388150 2005 WU_{197} 8 29.9 254.°56 4.°3/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.01	−20 45.9	2.260	3.165	9.9	20.9
8 9	22 49.63	−21 44.2	2.199	3.158	7.2	20.7
8 19	22 42.71	−22 41.0	2.164	3.151	4.9	20.6
8 29	22 34.89	−23 30.5	2.156	3.145	4.5	20.6
9 8	22 26.98	−24 7.4	2.175	3.138	6.5	20.7
9 18	22 19.78	−24 28.4	2.221	3.131	9.3	20.8
9 28	22 14.02	−24 32.1	2.291	3.124	12.0	21.0
10 8	22 10.21	−24 19.1	2.380	3.116	14.3	21.2

181417 2006 SO_{214} 8 29.9 267.°87 1.°2/29.2 18

7 30	23 0.86	−10 59.9	1.492	2.394	14.2	20.8
8 9	22 54.36	−11 13.7	1.424	2.385	10.1	20.5
8 19	22 45.49	−11 34.4	1.378	2.376	5.4	20.2
8 29	22 35.16	−11 56.7	1.358	2.367	1.2	19.9
9 8	22 24.61	−12 14.7	1.364	2.358	5.2	20.2
9 18	22 15.14	−12 23.6	1.395	2.349	10.1	20.4
9 28	22 7.86	−12 20.3	1.450	2.339	14.4	20.7
10 8	22 3.46	−12 3.8	1.524	2.330	18.0	20.9

95312 2002 CD_{103} 8 29.9 202.°89 1.°3/28.4 18

7 30	22 52.75	−10 2.5	2.348	3.241	10.0	19.9
8 9	22 47.96	−11 4.6	2.281	3.239	7.0	19.7
8 19	22 41.79	−12 13.5	2.240	3.237	3.6	19.4
8 29	22 34.82	−13 24.0	2.227	3.235	1.3	19.3
9 8	22 27.75	−14 30.8	2.243	3.233	4.0	19.5
9 18	22 21.28	−15 28.7	2.287	3.230	7.3	19.7
9 28	22 16.07	−16 14.2	2.357	3.227	10.3	19.9
10 8	22 12.60	−16 45.4	2.449	3.224	12.9	20.0

97191 1999 WD_{16} 8 29.9 16.°91 1.°4/28.9 18

7 30	22 55.17	−10 6.7	1.472	2.381	13.9	19.3
8 9	22 50.19	−10 48.5	1.419	2.384	9.7	19.1
8 19	22 43.16	−11 39.2	1.388	2.387	5.1	18.8
8 29	22 34.95	−12 32.2	1.382	2.390	1.4	18.6
9 8	22 26.69	−13 20.0	1.401	2.395	5.2	18.9
9 18	22 19.49	−13 56.6	1.445	2.399	9.7	19.1
9 28	22 14.31	−14 18.0	1.513	2.404	13.8	19.4
10 8	22 11.70	−14 22.8	1.600	2.410	17.1	19.6

448093 2008 JB_{37} 8 29.9 24.°06 13.°7/17.9 18

7 30	22 51.83	+30 59.0	1.789	2.470	20.6	19.7
8 9	22 47.82	+31 54.6	1.732	2.483	18.9	19.6
8 19	22 41.90	+32 14.6	1.689	2.496	17.1	19.5
8 29	22 34.83	+31 55.3	1.662	2.511	15.4	19.4
9 8	22 27.65	+30 57.1	1.654	2.526	14.2	19.4
9 18	22 21.37	+29 24.6	1.666	2.542	13.7	19.4
9 28	22 16.93	+27 26.4	1.699	2.559	14.1	19.5
10 8	22 14.89	+25 14.2	1.753	2.577	15.3	19.6

347516 1999 TT_{30} 8 29.9 346.°27 2.°4/28.6 18

7 30	22 55.22	−13 21.6	1.166	2.089	15.5	19.5
8 9	22 50.77	−13 34.4	1.105	2.076	11.0	19.2
8 19	22 43.71	−13 52.7	1.065	2.065	5.9	18.9
8 29	22 35.02	−14 10.0	1.047	2.055	2.4	18.6
9 8	22 26.12	−14 19.2	1.053	2.046	6.4	18.9
9 18	22 18.46	−14 15.2	1.081	2.039	11.6	19.1
9 28	22 13.28	−13 55.3	1.130	2.034	16.4	19.4
10 8	22 11.27	−13 19.3	1.196	2.030	20.3	19.6

289772 2005 JJ_{92} 8 29.9 42.°01 2.°4/31.5 17

7 30	22 59.84	− 3 24.8	1.262	2.156	16.8	20.0
8 9	22 53.69	− 3 11.8	1.211	2.164	12.3	19.7
8 19	22 45.10	− 3 14.5	1.181	2.172	7.3	19.5
8 29	22 35.14	− 3 29.8	1.174	2.181	2.8	19.2
9 8	22 25.18	− 3 52.1	1.192	2.190	4.8	19.4
9 18	22 16.55	− 4 15.4	1.234	2.199	9.7	19.7
9 28	22 10.36	− 4 34.0	1.299	2.209	14.2	20.0
10 8	22 7.19	− 4 43.6	1.383	2.220	17.9	20.3

439575 2014 DM_{98} 8 29.9 356.°43 0.°7/30.6 18 R

7 30	22 54.70	− 5 19.8	1.530	2.426	14.2	20.6
8 9	22 49.86	− 5 43.4	1.468	2.424	10.2	20.3
8 19	22 43.01	− 6 20.2	1.427	2.423	5.7	20.1
8 29	22 34.96	− 7 5.6	1.412	2.422	1.1	19.7
9 8	22 26.78	− 7 53.1	1.423	2.421	4.2	20.0
9 18	22 19.56	− 8 36.3	1.459	2.421	8.8	20.2
9 28	22 14.26	− 9 9.8	1.518	2.421	13.0	20.5
10 8	22 11.45	− 9 30.2	1.598	2.422	16.5	20.7

211295 2002 RR_{216} 8 29.9 310.°61 2.°8/27.6 18

7 30	22 55.77	−14 12.4	1.714	2.622	12.3	20.1
8 9	22 50.53	−14 58.2	1.649	2.613	8.6	19.9
8 19	22 43.35	−15 48.5	1.607	2.605	4.8	19.6
8 29	22 35.00	−16 36.8	1.592	2.597	2.8	19.5
9 8	22 26.49	−17 16.6	1.603	2.589	5.8	19.7
9 18	22 18.87	−17 42.8	1.639	2.581	9.8	19.9
9 28	22 13.05	−17 52.6	1.699	2.573	13.5	20.1
10 8	22 9.65	−17 45.4	1.779	2.566	16.6	20.3

349861 2009 DW_{41} 8 29.9 248.°41 0.°6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 53.95	− 3 26.8	2.189	3.065	11.4	21.8
8 9	22 48.99	− 4 26.6	2.102	3.049	8.2	21.6
8 19	22 42.46	− 5 40.2	2.040	3.032	4.6	21.4
8 29	22 34.92	− 7 3.0	2.005	3.014	0.9	21.0
9 8	22 27.13	− 8 28.9	2.000	2.996	3.4	21.2
9 18	22 19.89	− 9 51.3	2.023	2.978	7.3	21.4
9 28	22 13.98	−11 4.4	2.072	2.959	10.8	21.6
10 8	22 9.96	−12 4.1	2.145	2.940	13.8	21.8

516479 2005 UX_{31} 8 29.9 164.°08 4.°8/ 5.3 18

7 30	22 52.77	+10 41.2	2.669	3.469	11.8	21.7
8 9	22 47.84	+10 29.4	2.591	3.473	9.6	21.6
8 19	22 41.70	+10 0.3	2.537	3.476	7.3	21.5
8 29	22 34.85	+ 9 14.9	2.508	3.480	5.3	21.3
9 8	22 27.90	+ 8 16.2	2.506	3.482	4.9	21.3
9 18	22 21.50	+ 7 8.4	2.534	3.485	6.2	21.4
9 28	22 16.21	+ 5 56.7	2.588	3.487	8.4	21.6
10 8	22 12.46	+ 4 46.6	2.668	3.489	10.7	21.7

392206 2009 SR_{301} 8 29.9 289.°65 0.°7/31.4 17

7 30	22 46.92	− 3 22.6	4.313	5.177	6.5	21.5
8 9	22 43.41	− 3 47.3	4.230	5.169	4.7	21.4
8 19	22 39.21	− 4 17.8	4.175	5.162	2.7	21.3
8 29	22 34.62	− 4 52.3	4.148	5.155	0.9	21.1
9 8	22 29.97	− 5 28.7	4.151	5.148	1.8	21.2
9 18	22 25.59	− 6 4.9	4.183	5.141	3.8	21.3
9 28	22 21.83	− 6 38.5	4.244	5.134	5.7	21.4
10 8	22 18.95	− 7 7.8	4.330	5.126	7.3	21.6

351199 2004 DD_{56} 8 29.9 237.°60 1.°5/31.3 18

7 30	22 57.09	− 3 48.6	1.977	2.853	12.4	21.3
8 9	22 51.21	− 3 50.7	1.906	2.850	9.1	21.1
8 19	22 43.63	− 4 3.6	1.858	2.848	5.3	20.9
8 29	22 35.04	− 4 24.6	1.838	2.845	1.8	20.6
9 8	22 26.31	− 4 49.7	1.845	2.842	3.6	20.7
9 18	22 18.36	− 5 14.8	1.880	2.839	7.4	21.0
9 28	22 11.99	− 5 35.7	1.940	2.837	10.9	21.2
10 8	22 7.74	− 5 49.4	2.022	2.834	14.0	21.4

313958 2004 RT_{255} 8 30.0 11.°55 7.°6/21.4 18

7 30	22 50.25	−23 19.8	1.500	2.426	12.5	18.9
8 9	22 46.84	−25 42.4	1.466	2.430	9.5	18.7
8 19	22 41.42	−28 0.3	1.456	2.436	7.7	18.6
8 29	22 34.83	−30 0.8	1.471	2.442	8.4	18.7
9 8	22 28.17	−31 34.1	1.511	2.449	10.9	18.8
9 18	22 22.54	−32 35.0	1.573	2.458	13.9	19.0
9 28	22 18.85	−33 2.8	1.655	2.467	16.7	19.2
10 8	22 17.67	−33 0.7	1.753	2.477	19.0	19.5

401395 2013 CN_{44} 8 30.0 68.°89 0.°1/29.9 18

7 30	22 57.75	− 8 46.1	1.978	2.867	11.8	21.0
8 9	22 51.60	− 8 52.8	1.917	2.872	8.4	20.8
8 19	22 43.79	− 9 6.2	1.881	2.877	4.5	20.6
8 29	22 35.06	− 9 22.6	1.872	2.882	0.4	20.2
9 8	22 26.31	− 9 38.1	1.891	2.887	3.7	20.5
9 18	22 18.41	− 9 49.1	1.937	2.892	7.6	20.8
9 28	22 12.14	− 9 52.9	2.009	2.897	11.0	21.0
10 8	22 8.00	− 9 47.7	2.103	2.902	13.9	21.2

401508 2013 EM_{33} 8 30.0 129.°75 3.°2/26.4 18

7 30	22 56.76	−19 13.6	2.609	3.506	9.0	21.4
8 9	22 50.57	−19 54.3	2.562	3.518	6.4	21.3
8 19	22 43.12	−20 33.6	2.541	3.531	4.0	21.1
8 29	22 35.00	−21 6.9	2.549	3.543	3.3	21.1
9 8	22 26.92	−21 30.5	2.585	3.555	5.2	21.2
9 18	22 19.57	−21 42.2	2.650	3.566	7.7	21.4
9 28	22 13.54	−21 40.8	2.739	3.577	10.1	21.6
10 8	22 9.24	−21 26.9	2.851	3.588	12.1	21.8

184572 2005 QE_{91} 8 30.0 316.°13 0.°7/29.4 18

7 30	22 54.45	− 9 0.4	1.892	2.789	11.9	20.2
8 9	22 49.44	− 9 33.9	1.824	2.783	8.4	20.0
8 19	22 42.72	−10 15.7	1.779	2.776	4.4	19.8
8 29	22 34.97	−11 1.0	1.760	2.770	0.7	19.5
9 8	22 27.09	−11 44.2	1.769	2.764	4.2	19.7
9 18	22 19.96	−12 20.3	1.805	2.758	8.2	20.0
9 28	22 14.42	−12 45.4	1.865	2.753	11.8	20.2
10 8	22 11.02	−12 57.3	1.947	2.747	14.9	20.4

76078 2000 DP_{86} 8 30.0 290.°30 3.°8/26.6 18

7 30	22 56.41	−16 56.2	1.763	2.673	11.9	19.5
8 9	22 51.06	−17 51.1	1.692	2.656	8.5	19.2
8 19	22 43.70	−18 48.8	1.645	2.639	5.1	19.0
8 29	22 35.08	−19 41.9	1.623	2.623	4.0	18.9
9 8	22 26.22	−20 23.6	1.628	2.606	6.7	19.0
9 18	22 18.18	−20 48.8	1.659	2.590	10.5	19.2
9 28	22 11.94	−20 55.1	1.713	2.573	14.0	19.4
10 8	22 8.14	−20 42.4	1.786	2.557	17.1	19.6

514530 2016 XN_{21} 8 30.0 28°.65 5°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.97	+ 7 9.1	1.731	2.572	15.5	20.4
8 9	22 50.61	+ 7 34.7	1.666	2.575	12.4	20.2
8 19	22 43.38	+ 7 39.6	1.621	2.579	9.1	20.0
8 29	22 35.04	+ 7 23.9	1.600	2.584	6.5	19.9
9 8	22 26.57	+ 6 50.7	1.605	2.588	6.2	19.9
9 18	22 18.96	+ 6 5.4	1.636	2.593	8.5	20.0
9 28	22 13.10	+ 5 14.6	1.691	2.599	11.6	20.2
10 8	22 9.57	+ 4 25.2	1.767	2.604	14.6	20.4

394568 2007 VX_{22} 8 30.0 212°.72 2°.6/27.6 18

7 30	22 57.92	−15 27.7	2.190	3.087	10.5	21.7
8 9	22 51.70	−16 3.9	2.123	3.082	7.4	21.5
8 19	22 43.87	−16 42.1	2.081	3.076	4.2	21.3
8 29	22 35.09	−17 17.1	2.067	3.070	2.6	21.2
9 8	22 26.21	−17 44.4	2.082	3.064	5.1	21.3
9 18	22 18.08	−18 0.3	2.124	3.057	8.4	21.5
9 28	22 11.47	−18 3.0	2.191	3.050	11.4	21.7
10 8	22 6.89	−17 52.3	2.280	3.043	14.1	21.9

96868 1999 SH_{15} 8 30.0 296°.56 8°.7/ 5.9 18

7 30	22 56.12	+13 7.1	1.723	2.531	16.9	19.5
8 9	22 50.99	+13 53.6	1.637	2.516	14.3	19.3
8 19	22 43.75	+14 16.1	1.570	2.500	11.6	19.1
8 29	22 35.10	+14 11.8	1.526	2.484	9.4	18.9
9 8	22 26.02	+13 41.6	1.505	2.469	8.7	18.8
9 18	22 17.62	+12 49.5	1.509	2.453	10.2	18.9
9 28	22 10.96	+11 43.1	1.536	2.438	13.0	19.0
10 8	22 6.81	+10 31.4	1.585	2.423	16.0	19.2

268321 2005 RP_{45} 8 30.0 247°.65 0°.3/29.8 18

7 30	22 58.75	− 8 20.7	1.616	2.512	13.6	20.7
8 9	22 52.73	− 8 42.9	1.548	2.506	9.7	20.5
8 19	22 44.59	− 9 14.8	1.503	2.499	5.2	20.2
8 29	22 35.17	− 9 51.4	1.483	2.493	0.5	19.8
9 8	22 25.56	−10 26.6	1.491	2.487	4.5	20.1
9 18	22 16.90	−10 55.1	1.524	2.480	9.1	20.4
9 28	22 10.20	−11 12.7	1.581	2.473	13.3	20.6
10 8	22 6.09	−11 17.2	1.659	2.466	16.7	20.9

137528 1999 VP_{54} 8 30.0 12°.19 1°.6/31.1 18

7 30	22 54.08	− 3 24.4	1.085	1.994	17.7	18.8
8 9	22 49.93	− 3 48.6	1.034	1.996	12.9	18.5
8 19	22 43.24	− 4 33.0	1.003	1.999	7.4	18.2
8 29	22 35.04	− 5 31.5	0.994	2.003	2.0	17.9
9 8	22 26.76	− 6 35.0	1.008	2.008	5.0	18.2
9 18	22 19.80	− 7 33.9	1.045	2.014	10.5	18.5
9 28	22 15.33	− 8 20.3	1.103	2.021	15.4	18.8
10 8	22 13.95	− 8 49.2	1.179	2.029	19.5	19.1

107418 2001 DH_{10} 8 30.0 92°.63 3°.6/27.4 17

7 30	23 1.57	−15 35.0	1.479	2.386	13.9	19.9
8 9	22 54.56	−16 28.2	1.442	2.406	9.7	19.7
8 19	22 45.43	−17 23.0	1.429	2.426	5.5	19.5
8 29	22 35.24	−18 11.5	1.442	2.445	3.7	19.5
9 8	22 25.25	−18 46.7	1.481	2.464	6.7	19.7
9 18	22 16.63	−19 4.6	1.546	2.482	10.7	20.0
9 28	22 10.30	−19 4.0	1.633	2.501	14.2	20.3
10 8	22 6.71	−18 46.2	1.740	2.518	17.2	20.5

402393 2005 YM_{88} 8 30.0 150°.34 2°.8/ 2.0 18

7 30	22 54.35	+ 1 25.1	2.375	3.227	11.4	21.3
8 9	22 49.07	+ 1 23.7	2.303	3.229	8.7	21.1
8 19	22 42.42	+ 1 9.6	2.254	3.230	5.7	21.0
8 29	22 34.98	+ 0 44.7	2.233	3.232	3.2	20.8
9 8	22 27.44	+ 0 12.0	2.239	3.233	3.5	20.8
9 18	22 20.51	− 0 24.4	2.274	3.234	6.3	21.0
9 28	22 14.85	− 1 0.5	2.336	3.236	9.2	21.2
10 8	22 10.92	− 1 32.3	2.421	3.237	11.8	21.4

264243 2010 UH_{5} 8 30.0 55°.48 2°.6/27.6 18

7 30	22 55.91	−15 15.4	2.013	2.916	11.0	19.8
8 9	22 50.28	−15 51.8	1.963	2.925	7.7	19.6
8 19	22 43.09	−16 30.0	1.937	2.934	4.3	19.5
8 29	22 35.05	−17 4.7	1.939	2.943	2.7	19.4
9 8	22 27.03	−17 31.2	1.968	2.952	5.2	19.5
9 18	22 19.88	−17 46.1	2.023	2.961	8.5	19.8
9 28	22 14.32	−17 47.6	2.104	2.970	11.6	20.0
10 8	22 10.82	−17 35.6	2.205	2.979	14.1	20.2

396138 2013 DZ_{3} 8 30.0 304°.15 0°.1/30.2 18

7 30	22 54.15	− 6 14.6	1.976	2.864	11.9	21.3
8 9	22 49.16	− 6 50.2	1.908	2.862	8.4	21.1
8 19	22 42.56	− 7 36.2	1.865	2.860	4.6	20.8
8 29	22 35.01	− 8 28.0	1.849	2.858	0.5	20.5
9 8	22 27.34	− 9 20.1	1.860	2.856	3.7	20.8
9 18	22 20.41	−10 7.3	1.898	2.855	7.6	21.0
9 28	22 14.98	−10 45.2	1.962	2.853	11.1	21.2
10 8	22 11.58	−11 10.8	2.047	2.851	14.1	21.4

80178 1999 UX_{49} 8 30.0 284°.97 0°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.49	− 7 15.5	1.458	2.359	14.5	20.0
8 9	22 51.49	− 8 1.7	1.378	2.338	10.4	19.7
8 19	22 44.14	− 9 2.5	1.320	2.318	5.6	19.4
8 29	22 35.19	−10 11.8	1.287	2.297	0.6	19.0
9 8	22 25.82	−11 21.2	1.280	2.276	5.1	19.2
9 18	22 17.27	−12 22.5	1.297	2.254	10.3	19.5
9 28	22 10.77	−13 8.7	1.338	2.233	15.0	19.7
10 8	22 7.08	−13 36.4	1.398	2.212	18.9	19.9

257411 2009 TM_{18} 8 30.0 288°.21 2°.1/ 2.9 17

7 30	22 47.46	+ 3 22.6	4.345	5.176	7.0	20.0
8 9	22 43.81	+ 3 13.5	4.259	5.170	5.4	19.9
8 19	22 39.48	+ 2 56.4	4.199	5.164	3.7	19.7
8 29	22 34.74	+ 2 32.5	4.166	5.158	2.3	19.6
9 8	22 29.94	+ 2 3.4	4.163	5.152	2.3	19.6
9 18	22 25.41	+ 1 31.3	4.189	5.146	3.8	19.7
9 28	22 21.50	+ 0 58.3	4.243	5.140	5.5	19.8
10 8	22 18.46	+ 0 26.9	4.323	5.134	7.1	20.0

92912 2000 RP_{10} 8 30.0 313°.04 0°.7/30.6 18

7 30	22 54.18	− 5 1.8	1.429	2.329	14.8	18.7
8 9	22 49.89	− 5 29.6	1.346	2.304	10.8	18.4
8 19	22 43.29	− 6 13.5	1.284	2.280	6.1	18.1
8 29	22 35.12	− 7 9.0	1.247	2.256	1.1	17.7
9 8	22 26.50	− 8 8.9	1.234	2.233	4.6	17.9
9 18	22 18.67	− 9 5.4	1.246	2.210	9.8	18.1
9 28	22 12.82	− 9 51.2	1.281	2.187	14.6	18.4
10 8	22 9.76	−10 21.2	1.334	2.166	18.8	18.6

252909 2002 KV_{3} 8 30.0 117°.54 10°.8/10.3 18

7 30	22 55.39	+23 4.1	1.103	1.892	25.5	20.1
8 9	22 51.04	+21 57.5	1.038	1.900	21.9	19.8
8 19	22 43.94	+19 53.0	0.988	1.908	17.7	19.6
8 29	22 35.18	+16 49.4	0.957	1.915	13.5	19.4
9 8	22 26.26	+12 57.2	0.948	1.922	10.9	19.3
9 18	22 18.73	+ 8 37.9	0.965	1.929	11.9	19.4
9 28	22 13.87	+ 4 18.7	1.008	1.936	15.6	19.6
10 8	22 12.34	+ 0 23.3	1.073	1.942	19.7	19.9

507381 2012 EH 8 30.0 221°.73 3°.4/ 1.9 17

7 30	22 57.52	+ 2 4.1	1.572	2.438	15.5	22.7
8 9	22 51.97	+ 1 43.2	1.498	2.433	11.8	22.4
8 19	22 44.27	+ 1 1.5	1.446	2.427	7.7	22.2
8 29	22 35.23	+ 0 1.9	1.418	2.420	3.9	21.9
9 8	22 25.92	− 1 9.5	1.417	2.413	4.6	22.0
9 18	22 17.50	− 2 24.9	1.442	2.406	8.7	22.2
9 28	22 11.00	− 3 35.9	1.491	2.398	12.9	22.4
10 8	22 7.11	− 4 36.0	1.561	2.390	16.6	22.6

468736 2010 TV_{10} 8 30.0 319°.19 3°.2/27.6 18

7 30	22 54.57	−11 51.1	1.162	2.084	15.7	20.7
8 9	22 50.45	−13 4.5	1.099	2.071	11.0	20.4
8 19	22 43.68	−14 30.2	1.057	2.058	6.0	20.1
8 29	22 35.18	−15 58.0	1.039	2.045	3.3	19.9
9 8	22 26.36	−17 15.8	1.044	2.033	7.5	20.1
9 18	22 18.68	−18 14.1	1.072	2.022	12.7	20.3
9 28	22 13.46	−18 47.0	1.120	2.012	17.5	20.6
10 8	22 11.46	−18 53.5	1.184	2.002	21.5	20.8

74796 1999 SH_{14} 8 30.0 3°.93 2°.6/31.4 18

7 30	22 55.04	− 4 14.0	0.942	1.859	18.9	18.1
8 9	22 50.92	− 3 50.4	0.893	1.857	14.0	17.8
8 19	22 43.92	− 3 44.9	0.861	1.857	8.3	17.5
8 29	22 35.20	− 3 54.5	0.851	1.858	3.0	17.2
9 8	22 26.36	− 4 12.8	0.861	1.862	5.5	17.4
9 18	22 19.01	− 4 32.6	0.893	1.867	11.1	17.7
9 28	22 14.46	− 4 46.7	0.945	1.873	16.3	18.0
10 8	22 13.36	− 4 50.1	1.014	1.881	20.7	18.3

320101 2007 EB_{117} 8 30.0 38°.13 3°.2/26.7 18

7 30	22 54.33	−16 54.0	2.134	3.039	10.4	20.2
8 9	22 49.18	−17 43.0	2.081	3.043	7.3	20.0
8 19	22 42.54	−18 32.9	2.053	3.048	4.3	19.9
8 29	22 35.06	−19 18.1	2.053	3.052	3.3	19.8
9 8	22 27.56	−19 53.6	2.080	3.057	5.6	20.0
9 18	22 20.84	−20 16.0	2.133	3.062	8.6	20.2
9 28	22 15.59	−20 23.3	2.211	3.067	11.5	20.4
10 8	22 12.28	−20 15.7	2.310	3.073	13.9	20.6

478685 2012 TB_{311} 8 30.0 289°.76 2°.6/ 1.1 18

7 30	22 56.14	− 0 36.4	1.758	2.630	13.9	21.2
8 9	22 51.01	− 0 46.3	1.663	2.603	10.5	20.9
8 19	22 43.81	− 1 12.4	1.590	2.575	6.6	20.7
8 29	22 35.20	− 1 52.7	1.543	2.548	3.0	20.4
9 8	22 26.13	− 2 42.6	1.522	2.520	4.2	20.4
9 18	22 17.66	− 3 35.9	1.528	2.491	8.4	20.6
9 28	22 10.84	− 4 26.3	1.559	2.463	12.6	20.8
10 8	22 6.43	− 5 7.9	1.611	2.435	16.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211836 2004 FG_2			8 30.0 152°.94	0°.5/30.6 18		
	h m	° ′			°	m
7 30	22 54.74	− 4 48.9	2.412	3.287	10.5	21.5
8 9	22 49.31	− 5 27.4	2.348	3.294	7.5	21.3
8 19	22 42.56	− 6 15.2	2.309	3.301	4.2	21.1
8 29	22 35.07	− 7 8.5	2.298	3.307	0.8	20.8
9 8	22 27.52	− 8 2.8	2.317	3.313	3.0	21.0
9 18	22 20.60	− 8 53.6	2.364	3.319	6.4	21.3
9 28	22 14.96	− 9 37.0	2.437	3.324	9.4	21.5
10 8	22 11.03	−10 10.2	2.535	3.328	12.0	21.7
283817 2003 SP_{274}			8 30.0 317°.44	1°.4/28.9 18		
7 30	22 55.76	−10 21.1	1.656	2.559	12.9	20.8
8 9	22 50.59	−11 1.7	1.591	2.553	9.1	20.6
8 19	22 43.46	−11 50.5	1.550	2.548	4.8	20.3
8 29	22 35.16	−12 41.6	1.535	2.543	1.4	20.0
9 8	22 26.71	−13 28.2	1.546	2.539	4.9	20.3
9 18	22 19.15	−14 4.9	1.583	2.534	9.3	20.5
9 28	22 13.43	−14 27.4	1.643	2.530	13.2	20.8
10 8	22 10.14	−14 34.1	1.724	2.526	16.4	21.0
237279 2008 XB_7			8 30.0 301°.12	0°.8/30.7 18		
7 30	22 54.51	− 4 27.6	1.587	2.480	14.0	20.1
8 9	22 49.91	− 5 1.4	1.506	2.461	10.2	19.8
8 19	22 43.21	− 5 50.7	1.448	2.442	5.8	19.5
8 29	22 35.15	− 6 50.8	1.415	2.424	1.2	19.1
9 8	22 26.74	− 7 54.9	1.408	2.406	4.2	19.3
9 18	22 19.09	− 8 55.6	1.426	2.388	9.0	19.6
9 28	22 13.26	− 9 46.2	1.468	2.370	13.4	19.8
10 8	22 9.96	−10 22.2	1.531	2.353	17.2	20.0
216693 2004 NM_7			8 30.0 18°.82	2°.2/27.8 18		
7 30	22 50.19	− 9 42.6	1.451	2.367	13.6	19.4
8 9	22 46.72	−11 15.0	1.407	2.376	9.4	19.1
8 19	22 41.37	−12 57.8	1.386	2.386	4.9	18.9
8 29	22 34.96	−14 41.5	1.389	2.397	2.3	18.8
9 8	22 28.54	−16 16.0	1.419	2.409	5.8	19.0
9 18	22 23.10	−17 33.3	1.474	2.422	10.1	19.3
9 28	22 19.52	−18 28.4	1.551	2.436	13.9	19.6
10 8	22 18.28	−19 0.0	1.648	2.451	17.0	19.8
58593 1997 TD_2			8 30.0 220°.66	3°.4/ 2.3 18		
7 30	22 55.87	+ 3 12.2	1.891	2.745	13.9	20.5
8 9	22 50.53	+ 2 49.6	1.812	2.738	10.6	20.3
8 19	22 43.41	+ 2 8.2	1.756	2.732	7.1	20.0
8 29	22 35.17	+ 1 10.6	1.725	2.724	3.9	19.8
9 8	22 26.72	+ 0 1.7	1.722	2.717	4.2	19.8
9 18	22 18.97	− 1 11.7	1.746	2.709	7.6	20.0
9 28	22 12.82	− 2 22.9	1.796	2.700	11.3	20.2
10 8	22 8.84	− 3 25.6	1.869	2.692	14.5	20.4
381799 2009 UQ_{46}			8 30.0 334°.32	4°.0/27.5 18		
7 30	22 54.11	−14 58.8	1.068	1.999	16.0	19.6
8 9	22 50.35	−15 39.1	1.003	1.978	11.4	19.3
8 19	22 43.73	−16 25.8	0.958	1.958	6.5	19.0
8 29	22 35.21	−17 9.8	0.934	1.939	4.1	18.8
9 8	22 26.30	−17 40.9	0.933	1.922	8.1	18.9
9 18	22 18.60	−17 52.1	0.952	1.907	13.4	19.2
9 28	22 13.53	−17 39.7	0.991	1.893	18.4	19.4
10 8	22 11.92	−17 4.1	1.046	1.880	22.6	19.6
342071 2008 SU_{29}			8 30.0 39°.40	5°.8/26.9 16		
7 30	23 4.97	−22 41.0	1.353	2.264	14.8	20.0
8 9	22 57.17	−22 54.9	1.314	2.275	10.8	19.8
8 19	22 46.93	−23 1.5	1.297	2.287	7.1	19.6
8 29	22 35.50	−22 53.7	1.305	2.299	5.9	19.6
9 8	22 24.36	−22 27.2	1.338	2.312	8.4	19.7
9 18	22 14.89	−21 41.7	1.395	2.325	12.1	20.0
9 28	22 8.07	−20 39.3	1.475	2.339	15.7	20.2
10 8	22 4.38	−19 23.8	1.573	2.353	18.7	20.5
19931 1981 EF_3			8 30.0 173°.94	4°.8/ 2.8 18		
7 30	22 57.69	+ 4 27.9	1.510	2.368	16.5	19.5
8 9	22 52.10	+ 4 25.0	1.443	2.369	12.8	19.2
8 19	22 44.35	+ 3 59.5	1.397	2.370	8.8	19.0
8 29	22 35.27	+ 3 13.3	1.375	2.371	5.4	18.8
9 8	22 26.01	+ 2 11.7	1.378	2.371	5.4	18.8
9 18	22 17.73	+ 1 2.3	1.407	2.371	8.9	19.0
9 28	22 11.46	− 0 6.4	1.460	2.371	12.9	19.3
10 8	22 7.85	− 1 7.2	1.534	2.371	16.5	19.5
316754 1999 RN_{17}			8 30.0 14°.07	1°.3/30.7 18		
7 30	22 57.16	− 6 59.6	0.910	1.832	18.9	18.9
8 9	22 52.38	− 6 34.4	0.868	1.837	13.7	18.6
8 19	22 44.67	− 6 23.7	0.845	1.843	7.7	18.3
8 29	22 35.30	− 6 23.3	0.842	1.851	1.8	18.0
9 8	22 25.98	− 6 27.2	0.860	1.861	5.5	18.3
9 18	22 18.36	− 6 29.4	0.901	1.872	11.3	18.6
9 28	22 13.67	− 6 24.6	0.960	1.885	16.5	19.0
10 8	22 12.48	− 6 9.5	1.037	1.899	20.7	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
258005 2001 FC_{46}			8 30.0 179°.14	5°.1/ 6.9 18		
	h m	° ′			°	m
7 30	22 51.73	+14 19.3	2.863	3.637	11.7	20.5
8 9	22 47.12	+13 45.7	2.778	3.638	9.7	20.4
8 19	22 41.39	+12 52.8	2.715	3.638	7.6	20.2
8 29	22 34.99	+11 41.9	2.678	3.639	5.7	20.1
9 8	22 28.50	+10 16.2	2.669	3.639	5.1	20.1
9 18	22 22.50	+ 8 40.4	2.690	3.638	6.1	20.1
9 28	22 17.53	+ 7 0.5	2.739	3.638	8.1	20.3
10 8	22 14.00	+ 5 22.5	2.814	3.637	10.2	20.4
523781 2015 BV_{92}			8 30.0 228°.95	4°.1/31.8 18 C		
7 30	23 12.38	− 1 7.5	1.218	2.088	18.9	22.9
8 9	23 3.49	− 0 36.2	1.135	2.073	14.4	22.6
8 19	22 51.01	− 0 22.1	1.072	2.056	9.2	22.2
8 29	22 35.96	− 0 24.8	1.034	2.038	4.5	21.9
9 8	22 20.04	− 0 40.7	1.022	2.017	6.3	22.0
9 18	22 5.26	− 1 3.9	1.036	1.995	12.0	22.2
9 28	21 53.44	− 1 27.1	1.072	1.971	17.6	22.4
10 8	21 45.65	− 1 43.8	1.127	1.945	22.4	22.7
254324 2004 SP_3			8 30.0 29°.34	4°.5/26.5 18		
7 30	22 57.22	−19 48.3	1.697	2.608	12.2	19.5
8 9	22 51.44	−20 25.9	1.655	2.618	8.7	19.3
8 19	22 43.81	−21 1.0	1.637	2.629	5.5	19.1
8 29	22 35.21	−21 27.2	1.644	2.640	4.6	19.1
9 8	22 26.72	−21 39.4	1.677	2.651	7.0	19.3
9 18	22 19.33	−21 35.0	1.736	2.663	10.3	19.5
9 28	22 13.87	−21 13.6	1.817	2.676	13.4	19.7
10 8	22 10.80	−20 36.7	1.918	2.689	16.1	19.9
364096 2005 YB_{151}			8 30.0 230°.80	1°.8/28.1 18		
7 30	22 54.17	−12 53.1	2.401	3.297	9.7	21.6
8 9	22 49.00	−13 34.6	2.334	3.293	6.8	21.4
8 19	22 42.45	−14 20.1	2.292	3.288	3.6	21.2
8 29	22 35.09	−15 5.1	2.278	3.284	1.8	21.1
9 8	22 27.64	−15 44.9	2.292	3.279	4.2	21.3
9 18	22 20.81	−16 15.8	2.334	3.274	7.4	21.5
9 28	22 15.25	−16 35.2	2.402	3.269	10.3	21.6
10 8	22 11.45	−16 42.0	2.492	3.264	12.8	21.8
477421 2009 WY_{45}			8 30.0 327°.58	3°.3/ 1.1 18		
7 30	22 54.70	− 1 26.5	1.220	2.117	17.0	20.6
8 9	22 50.51	− 1 16.1	1.146	2.098	12.9	20.3
8 19	22 43.74	− 1 24.9	1.091	2.080	8.1	19.9
8 29	22 35.24	− 1 50.8	1.058	2.063	3.7	19.6
9 8	22 26.30	− 2 28.3	1.048	2.047	5.2	19.7
9 18	22 18.33	− 3 10.4	1.062	2.032	10.2	19.9
9 28	22 12.64	− 3 48.9	1.097	2.018	15.2	20.2
10 8	22 10.09	− 4 17.2	1.150	2.005	19.6	20.4
479011 2012 XG_{149}			8 30.0 236°.85	5°.9/23.5 18		
7 30	22 55.59	−22 38.1	1.905	2.815	11.2	20.8
8 9	22 50.39	−24 15.0	1.852	2.810	8.3	20.7
8 19	22 43.35	−25 49.4	1.824	2.806	6.2	20.5
8 29	22 35.20	−27 12.6	1.823	2.802	6.4	20.5
9 8	22 26.91	−28 17.2	1.849	2.797	8.6	20.7
9 18	22 19.46	−28 58.7	1.899	2.792	11.5	20.8
9 28	22 13.74	−29 15.7	1.972	2.788	14.3	21.0
10 8	22 10.31	−29 9.9	2.062	2.783	16.6	21.2
92602 2000 PO_{20}			8 30.0 287°.27	2°.1/28.4 18		
7 30	22 56.63	−11 40.8	1.602	2.507	13.1	19.1
8 9	22 51.40	−12 28.1	1.528	2.492	9.3	18.8
8 19	22 44.02	−13 23.5	1.478	2.477	5.0	18.5
8 29	22 35.27	−14 20.5	1.454	2.462	2.1	18.3
9 8	22 26.24	−15 11.5	1.456	2.446	5.6	18.5
9 18	22 18.08	−15 50.3	1.483	2.431	10.1	18.7
9 28	22 11.82	−16 12.6	1.534	2.416	14.2	18.9
10 8	22 8.15	−16 16.9	1.604	2.401	17.7	19.2
130948 2000 WM_{66}			8 30.0 260°.51	10°.3/19.7 18		
7 30	23 1.93	−35 49.4	1.818	2.704	12.8	20.1
8 9	22 55.16	−37 17.3	1.770	2.693	11.1	20.0
8 19	22 46.02	−38 30.0	1.746	2.681	10.3	19.9
8 29	22 35.46	−39 18.1	1.746	2.669	10.9	19.9
9 8	22 24.80	−39 35.5	1.769	2.657	12.6	20.0
9 18	22 15.33	−39 20.5	1.814	2.644	14.8	20.1
9 28	22 8.14	−38 35.7	1.878	2.632	17.1	20.3
10 8	22 3.87	−37 26.2	1.958	2.619	19.0	20.4
73234 2002 JX_{32}			8 30.1 41°.00	3°.1/27.1 18		
7 30	22 54.66	−16 1.9	1.937	2.844	11.1	19.3
8 9	22 49.50	−16 50.9	1.891	2.855	7.8	19.1
8 19	22 42.75	−17 41.3	1.870	2.866	4.5	18.9
8 29	22 35.15	−18 27.1	1.875	2.877	3.2	18.9
9 8	22 27.58	−19 3.0	1.908	2.889	5.6	19.1
9 18	22 20.89	−19 25.3	1.967	2.901	8.9	19.3
9 28	22 15.82	−19 32.1	2.050	2.913	12.0	19.5
10 8	22 12.81	−19 23.5	2.153	2.925	14.5	19.7

251937 1999 WN_8 8 30.1 9.°72 5.°8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.77	−23 44.8	1.734	2.644	12.1	18.9
8 9	22 51.91	−24 25.6	1.687	2.646	9.0	18.8
8 19	22 44.12	−25 0.6	1.664	2.648	6.4	18.6
8 29	22 35.28	−25 23.0	1.666	2.651	6.0	18.6
9 8	22 26.49	−25 27.6	1.693	2.655	8.2	18.7
9 18	22 18.80	−25 12.5	1.746	2.659	11.2	18.9
9 28	22 13.07	−24 38.0	1.820	2.663	14.1	19.1
10 8	22 9.80	−23 46.7	1.914	2.669	16.7	19.3

285022 2011 DF_{18} 8 30.1 24.°25 1.°3/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.51	− 9 17.6	1.276	2.188	15.3	20.1
8 9	22 50.70	−10 0.7	1.228	2.194	10.7	19.8
8 19	22 43.62	−10 54.7	1.202	2.201	5.6	19.6
8 29	22 35.25	−11 52.0	1.199	2.208	1.3	19.3
9 8	22 26.87	−12 44.2	1.221	2.216	5.5	19.6
9 18	22 19.72	−13 24.4	1.267	2.225	10.4	19.9
9 28	22 14.83	−13 47.9	1.335	2.235	14.7	20.2
10 8	22 12.74	−13 53.2	1.422	2.245	18.3	20.5

329738 2003 YF_{90} 8 30.1 241.°27 0.°0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.66	− 6 58.9	1.564	2.457	14.1	20.7
8 9	22 52.80	− 7 26.5	1.495	2.451	10.1	20.5
8 19	22 44.77	− 8 5.8	1.448	2.444	5.5	20.2
8 29	22 35.39	− 8 51.7	1.428	2.437	0.5	19.8
9 8	22 25.80	− 9 37.8	1.434	2.430	4.5	20.1
9 18	22 17.16	−10 17.6	1.465	2.423	9.3	20.4
9 28	22 10.51	−10 46.3	1.521	2.416	13.5	20.6
10 8	22 6.52	−11 0.9	1.597	2.408	17.1	20.8

252917 2002 LL_{63} 8 30.1 99.°92 0.°6/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.89	− 9 3.8	1.470	2.367	14.7	20.7
8 9	22 54.92	− 9 22.8	1.422	2.380	10.3	20.5
8 19	22 45.78	− 9 50.3	1.396	2.393	5.5	20.3
8 29	22 35.48	−10 21.0	1.397	2.406	0.7	20.0
9 8	22 25.25	−10 48.7	1.423	2.419	4.7	20.3
9 18	22 16.30	−11 8.5	1.476	2.432	9.4	20.6
9 28	22 9.60	−11 17.0	1.552	2.444	13.5	20.9
10 8	22 5.66	−11 12.8	1.649	2.456	16.8	21.1

10524 Maniewski 8 30.1 196.°61 4.°1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.47	−17 0.2	1.572	2.478	13.3	17.5
8 9	22 54.76	−17 56.3	1.514	2.476	9.5	17.3
8 19	22 45.79	−18 54.1	1.480	2.474	5.6	17.1
8 29	22 35.49	−19 45.5	1.472	2.472	4.3	17.0
9 8	22 25.08	−20 23.0	1.490	2.469	7.2	17.2
9 18	22 15.79	−20 42.0	1.534	2.465	11.2	17.4
9 28	22 8.68	−20 40.8	1.600	2.461	14.9	17.6
10 8	22 4.36	−20 20.6	1.686	2.456	18.0	17.8

481494 2007 DG_{47} 8 30.1 188.°15 0.°1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.59	− 6 18.3	2.968	3.844	8.7	21.8
8 9	22 47.70	− 7 15.9	2.895	3.843	6.2	21.6
8 19	22 41.72	− 8 21.3	2.847	3.842	3.3	21.4
8 29	22 35.09	− 9 30.5	2.830	3.840	0.3	21.2
9 8	22 28.37	−10 39.2	2.843	3.837	2.8	21.4
9 18	22 22.11	−11 43.3	2.885	3.834	5.7	21.6
9 28	22 16.83	−12 39.2	2.955	3.831	8.3	21.7
10 8	22 12.93	−13 24.6	3.050	3.827	10.6	21.9

275918 2001 TB_{178} 8 30.1 303.°39 0.°3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.17	− 8 28.1	1.450	2.351	14.5	20.4
8 9	22 52.66	− 8 41.6	1.376	2.336	10.4	20.1
8 19	22 44.80	− 9 5.3	1.324	2.321	5.7	19.8
8 29	22 35.40	− 9 34.5	1.296	2.306	0.5	19.4
9 8	22 25.68	−10 3.0	1.294	2.291	4.8	19.7
9 18	22 16.91	−10 25.2	1.318	2.277	9.9	19.9
9 28	22 10.25	−10 36.3	1.364	2.263	14.5	20.2
10 8	22 6.44	−10 33.9	1.429	2.249	18.3	20.4

118264 1998 FB_{105} 8 30.1 72.°11 1.°9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.38	− 1 59.1	2.011	2.880	12.5	19.5
8 9	22 51.25	− 2 7.2	1.966	2.905	9.2	19.3
8 19	22 43.64	− 2 27.1	1.944	2.930	5.5	19.1
8 29	22 35.28	− 2 55.9	1.949	2.955	2.2	19.0
9 8	22 27.01	− 3 29.2	1.982	2.979	3.4	19.1
9 18	22 19.64	− 4 2.7	2.043	3.004	6.8	19.4
9 28	22 13.86	− 4 32.1	2.131	3.028	10.0	19.6
10 8	22 10.09	− 4 54.3	2.240	3.053	12.8	19.8

260266 2004 SA_{35} 8 30.1 13.°13 1.°8/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.64	− 4 41.8	1.797	2.678	13.2	19.8
8 9	22 52.45	− 4 17.7	1.734	2.681	9.7	19.6
8 19	22 44.43	− 4 3.3	1.694	2.684	5.7	19.3
8 29	22 35.36	− 3 56.7	1.680	2.687	2.1	19.1
9 8	22 26.23	− 3 55.0	1.694	2.691	3.8	19.2
9 18	22 18.00	− 3 54.7	1.734	2.696	7.8	19.5
9 28	22 11.55	− 3 52.6	1.800	2.700	11.4	19.7
10 8	22 7.40	− 3 45.8	1.887	2.706	14.6	20.0

385195 1999 FW_{76} 8 30.1 248.°06 14.°1/24.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 22.07	−37 5.4	1.092	1.978	19.4	21.3
8 9	23 10.66	−37 54.5	1.041	1.968	16.5	21.0
8 19	22 54.78	−38 15.9	1.009	1.957	14.5	20.9
8 29	22 36.37	−37 53.5	0.998	1.946	14.4	20.9
9 8	22 18.21	−36 40.0	1.010	1.935	16.4	20.9
9 18	22 2.91	−34 39.9	1.043	1.923	19.7	21.1
9 28	21 52.17	−32 5.4	1.095	1.911	23.2	21.3
10 8	21 46.49	−29 10.9	1.162	1.899	26.3	21.5

335040 2004 RL_{34} 8 30.1 319.°46 1.°6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.75	−10 8.2	1.354	2.267	14.6	20.6
8 9	22 50.38	−10 50.3	1.281	2.248	10.3	20.3
8 19	22 43.62	−11 43.8	1.230	2.230	5.5	19.9
8 29	22 35.30	−12 41.7	1.203	2.212	1.6	19.6
9 8	22 26.62	−13 35.6	1.201	2.195	5.8	19.9
9 18	22 18.88	−14 17.9	1.222	2.178	10.9	20.1
9 28	22 13.28	−14 43.0	1.265	2.162	15.5	20.3
10 8	22 10.56	−14 48.7	1.327	2.147	19.4	20.6

405887 2006 FO_6 8 30.1 220.°64 1.°9/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.73	−14 43.1	2.555	3.447	9.3	21.4
8 9	22 50.73	−15 2.9	2.486	3.443	6.5	21.3
8 19	22 43.39	−15 24.3	2.443	3.439	3.6	21.1
8 29	22 35.27	−15 43.6	2.429	3.435	1.9	20.9
9 8	22 27.08	−15 57.3	2.444	3.430	4.1	21.1
9 18	22 19.53	−16 2.8	2.487	3.425	7.1	21.3
9 28	22 13.26	−15 58.6	2.557	3.420	9.9	21.5
10 8	22 8.72	−15 44.1	2.649	3.415	12.2	21.6

141675 2002 JO_{105} 8 30.1 61.°70 6.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.80	+ 9 31.4	1.248	2.096	19.8	19.4
8 9	22 52.21	+ 9 25.3	1.208	2.122	15.8	19.2
8 19	22 44.38	+ 8 47.7	1.187	2.147	11.5	19.0
8 29	22 35.37	+ 7 41.4	1.187	2.173	7.9	18.9
9 8	22 26.52	+ 6 14.3	1.212	2.199	7.1	18.9
9 18	22 19.04	+ 4 37.0	1.261	2.225	9.7	19.2
9 28	22 13.91	+ 3 0.9	1.333	2.251	13.3	19.5
10 8	22 11.62	+ 1 35.4	1.425	2.276	16.7	19.7

346987 2010 CN_{123} 8 30.1 63.°89 0.°6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.26	− 8 14.8	1.676	2.573	13.1	21.3
8 9	22 50.88	− 8 53.5	1.619	2.578	9.3	21.1
8 19	22 43.63	− 9 41.7	1.586	2.583	4.9	20.9
8 29	22 35.31	−10 34.0	1.579	2.588	0.7	20.6
9 8	22 26.94	−11 23.8	1.598	2.593	4.4	20.9
9 18	22 19.51	−12 5.4	1.644	2.598	8.7	21.1
9 28	22 13.90	−12 34.6	1.713	2.604	12.5	21.4
10 8	22 10.65	−12 49.2	1.804	2.609	15.7	21.6

362599 2010 WE_{35} 8 30.1 211.°60 4.°7/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.01	−23 0.8	2.441	3.343	9.3	21.0
8 9	22 49.65	−24 3.4	2.386	3.341	6.9	20.8
8 19	22 42.85	−25 2.9	2.357	3.338	5.0	20.7
8 29	22 35.24	−25 53.5	2.355	3.335	5.0	20.7
9 8	22 27.55	−26 30.5	2.381	3.332	6.7	20.8
9 18	22 20.54	−26 51.1	2.433	3.329	9.1	21.0
9 28	22 14.89	−26 54.2	2.509	3.326	11.5	21.1
10 8	22 11.07	−26 40.7	2.605	3.322	13.6	21.3

509165 2006 EV_6 8 30.1 208.°92 0.°0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.64	− 7 8.3	2.061	2.944	11.7	22.5
8 9	22 51.68	− 7 37.5	1.988	2.939	8.3	22.3
8 19	22 44.03	− 8 15.6	1.939	2.934	4.5	22.1
8 29	22 35.37	− 8 58.7	1.918	2.928	0.4	21.7
9 8	22 26.55	− 9 41.5	1.926	2.922	3.7	22.0
9 18	22 18.45	−10 19.4	1.961	2.915	7.6	22.2
9 28	22 11.88	−10 48.4	2.022	2.907	11.1	22.4
10 8	22 7.39	−11 6.1	2.105	2.899	14.1	22.6

230277 2001 XR_{124} 8 30.1 357.°91 6.°4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.20	−19 20.8	1.137	2.068	15.2	19.1
8 9	22 50.16	−20 41.6	1.092	2.064	11.0	18.8
8 19	22 43.51	−22 2.5	1.067	2.061	7.3	18.6
8 29	22 35.31	−23 11.7	1.065	2.060	6.8	18.6
9 8	22 27.04	−23 58.7	1.086	2.059	9.9	18.8
9 18	22 20.13	−24 17.8	1.128	2.060	14.1	19.0
9 28	22 15.74	−24 7.8	1.189	2.062	18.1	19.3
10 8	22 14.48	−23 31.7	1.266	2.065	21.4	19.5

246446 2007 VQ_{185} 8 30.1 39.°83 2.°4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.74	− 1 1.1	1.780	2.654	13.7	20.5
8 9	22 50.45	− 1 10.4	1.716	2.657	10.1	20.2
8 19	22 43.40	− 1 34.4	1.675	2.660	6.3	20.0
8 29	22 35.31	− 2 10.1	1.659	2.664	2.8	19.8
9 8	22 27.12	− 2 52.8	1.670	2.668	3.9	19.9
9 18	22 19.78	− 3 36.9	1.708	2.671	7.7	20.1
9 28	22 14.12	− 4 16.9	1.771	2.675	11.4	20.4
10 8	22 10.69	− 4 48.5	1.855	2.680	14.5	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
484991 2009 UG_{140}			8 30.1 298°.93	2°.8/ 2.4 18		
	h m	° ′			°	m
7 30	22 51.12	+ 3 15.3	2.257	3.109	12.0	20.5
8 9	22 47.04	+ 2 38.9	2.169	3.094	9.2	20.2
8 19	22 41.54	+ 1 45.5	2.103	3.079	6.1	20.0
8 29	22 35.13	+ 0 37.7	2.064	3.063	3.3	19.8
9 8	22 28.52	− 0 39.9	2.053	3.048	3.5	19.8
9 18	22 22.42	− 2 1.4	2.069	3.033	6.5	20.0
9 28	22 17.55	− 3 20.4	2.113	3.018	9.8	20.2
10 8	22 14.41	− 4 31.6	2.180	3.003	12.7	20.3
485251 2010 VB_{157}			8 30.1 323°.58	4°.9/ 3.6 17		
7 30	22 53.34	+ 5 45.5	1.888	2.734	14.2	21.6
8 9	22 48.83	+ 5 55.3	1.806	2.722	11.3	21.4
8 19	22 42.59	+ 5 46.1	1.745	2.710	8.1	21.1
8 29	22 35.24	+ 5 18.7	1.709	2.698	5.5	21.0
9 8	22 27.64	+ 4 36.2	1.699	2.687	5.3	20.9
9 18	22 20.69	+ 3 43.7	1.714	2.676	7.8	21.1
9 28	22 15.25	+ 2 47.6	1.755	2.665	11.1	21.2
10 8	22 11.92	+ 1 54.3	1.818	2.656	14.2	21.4
76622 2000 GY_{176}			8 30.1 277°.37	0°.6/29.4 18		
7 30	22 54.33	− 9 30.1	2.371	3.261	10.1	19.5
8 9	22 49.19	− 9 55.6	2.296	3.251	7.1	19.3
8 19	22 42.64	−10 27.1	2.245	3.241	3.8	19.1
8 29	22 35.24	−11 1.0	2.222	3.232	0.6	18.8
9 8	22 27.71	−11 33.2	2.228	3.222	3.5	19.0
9 18	22 20.76	−12 0.0	2.262	3.213	6.9	19.2
9 28	22 15.09	−12 18.3	2.322	3.203	10.0	19.4
10 8	22 11.17	−12 26.4	2.404	3.193	12.7	19.6
213539 2002 JU_{63}			8 30.1 62°.77	5°.0/26.7 17		
7 30	23 1.38	−17 7.0	1.189	2.108	15.7	19.6
8 9	22 54.74	−18 17.9	1.165	2.133	11.0	19.4
8 19	22 45.70	−19 28.1	1.163	2.159	6.6	19.2
8 29	22 35.52	−20 27.1	1.185	2.185	5.1	19.2
9 8	22 25.71	−21 6.7	1.231	2.210	8.2	19.4
9 18	22 17.58	−21 23.1	1.301	2.236	12.4	19.8
9 28	22 12.09	−21 16.3	1.392	2.262	16.1	20.1
10 8	22 9.66	−20 49.0	1.500	2.288	19.1	20.3
439133 2011 SY_{262}			8 30.1 247°.09	0°.9/29.2 18		
7 30	22 55.48	− 9 18.2	1.910	2.806	11.9	21.5
8 9	22 50.23	−10 0.0	1.845	2.803	8.3	21.2
8 19	22 43.28	−10 50.0	1.803	2.800	4.4	21.0
8 29	22 35.32	−11 42.9	1.788	2.797	0.9	20.7
9 8	22 27.23	−12 32.8	1.801	2.795	4.3	21.0
9 18	22 19.92	−13 14.5	1.841	2.792	8.2	21.2
9 28	22 14.20	−13 44.2	1.905	2.789	11.8	21.4
10 8	22 10.62	−13 59.8	1.991	2.786	14.8	21.6
358783 2008 DD_{83}			8 30.1 46°.93	3°.7/ 3.1 18		
7 30	22 52.49	+ 4 42.9	1.952	2.803	13.6	20.5
8 9	22 48.03	+ 4 16.0	1.890	2.812	10.5	20.3
8 19	22 42.05	+ 3 30.3	1.849	2.821	7.1	20.1
8 29	22 35.19	+ 2 28.5	1.835	2.831	4.2	20.0
9 8	22 28.28	+ 1 16.1	1.847	2.840	4.2	20.0
9 18	22 22.12	− 0 0.6	1.886	2.850	7.0	20.2
9 28	22 17.42	− 1 14.8	1.951	2.861	10.2	20.4
10 8	22 14.67	− 2 20.8	2.040	2.871	13.1	20.6
257731 1999 YG_{5}			8 30.1 148°.80	5°.8/24.1 17		
7 30	23 0.75	−23 59.9	2.092	2.991	10.9	20.8
8 9	22 53.81	−25 23.3	2.052	3.003	8.1	20.6
8 19	22 45.13	−26 41.6	2.037	3.015	6.1	20.5
8 29	22 35.50	−27 46.9	2.051	3.025	6.1	20.5
9 8	22 25.89	−28 33.7	2.091	3.035	8.0	20.7
9 18	22 17.24	−28 58.9	2.158	3.044	10.6	20.9
9 28	22 10.37	−29 2.5	2.248	3.052	13.1	21.0
10 8	22 5.76	−28 46.6	2.357	3.060	15.2	21.2
379150 2009 PK_{12}			8 30.1 1°.64	1°.9/28.8 18		
7 30	22 49.94	− 9 23.6	0.919	1.853	17.5	19.5
8 9	22 47.40	−10 16.3	0.873	1.850	12.3	19.2
8 19	22 42.13	−11 24.2	0.846	1.848	6.5	18.9
8 29	22 35.22	−12 37.3	0.839	1.848	1.9	18.6
9 8	22 28.21	−13 43.3	0.854	1.850	6.7	18.9
9 18	22 22.58	−14 32.3	0.889	1.854	12.5	19.2
9 28	22 19.60	−14 58.1	0.943	1.860	17.5	19.5
10 8	22 19.86	−14 58.9	1.013	1.868	21.7	19.8
404016 2012 CE_{13}			8 30.1 273°.34	0°.5/29.7 18		
7 30	22 56.56	− 9 35.8	2.229	3.117	10.7	21.2
8 9	22 50.83	− 9 48.5	2.155	3.109	7.6	21.0
8 19	22 43.56	−10 6.8	2.105	3.101	4.0	20.7
8 29	22 35.37	−10 27.5	2.084	3.093	0.5	20.4
9 8	22 27.04	−10 46.6	2.090	3.085	3.6	20.7
9 18	22 19.39	−11 0.7	2.125	3.077	7.2	20.9
9 28	22 13.13	−11 7.1	2.185	3.069	10.5	21.1
10 8	22 8.79	−11 4.2	2.268	3.061	13.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
307990 2004 RR_{12}			8 30.1 26°.50	5°.8/27.2 16		
	h m	° ′			°	m
7 30	23 3.36	−21 31.3	1.165	2.084	15.9	18.7
8 9	22 56.34	−21 43.8	1.129	2.094	11.5	18.5
8 19	22 46.66	−21 50.0	1.113	2.106	7.4	18.3
8 29	22 35.66	−21 42.2	1.121	2.118	5.9	18.2
9 8	22 24.96	−21 15.5	1.152	2.131	8.6	18.4
9 18	22 16.04	−20 29.3	1.207	2.146	12.8	18.7
9 28	22 9.97	−19 25.9	1.282	2.161	16.6	19.0
10 8	22 7.19	−18 9.1	1.376	2.177	19.9	19.3
318924 2005 UV_{86}			8 30.1 28°.86	0°.7/30.6 16		
7 30	22 54.46	− 4 50.1	1.073	1.986	17.5	20.6
8 9	22 50.15	− 5 25.0	1.036	2.000	12.5	20.3
8 19	22 43.41	− 6 17.7	1.017	2.015	6.9	20.1
8 29	22 35.35	− 7 20.5	1.021	2.031	1.2	19.8
9 8	22 27.39	− 8 23.8	1.048	2.048	5.0	20.1
9 18	22 20.85	− 9 18.6	1.098	2.066	10.3	20.4
9 28	22 16.78	− 9 58.4	1.170	2.085	15.0	20.8
10 8	22 15.66	−10 19.9	1.260	2.105	18.8	21.1
95949 2003 OX_{18}			8 30.1 331°.54	6°.8/ 5.8 18		
7 30	22 51.37	+11 9.1	1.852	2.673	15.4	18.9
8 9	22 47.52	+11 19.4	1.766	2.659	12.7	18.7
8 19	22 41.93	+11 6.2	1.701	2.645	9.9	18.5
8 29	22 35.23	+10 28.9	1.659	2.631	7.5	18.3
9 8	22 28.24	+ 9 30.4	1.642	2.619	6.8	18.3
9 18	22 21.89	+ 8 16.2	1.650	2.606	8.5	18.4
9 28	22 17.04	+ 6 54.1	1.682	2.595	11.4	18.5
10 8	22 14.33	+ 5 32.2	1.737	2.584	14.4	18.7
429490 2011 AH_{44}			8 30.1 108°.88	0°.7/29.4 17		
7 30	22 58.20	− 8 8.8	1.663	2.558	13.4	21.7
8 9	22 52.21	− 8 57.6	1.614	2.571	9.4	21.5
8 19	22 44.35	− 9 55.9	1.588	2.585	4.9	21.3
8 29	22 35.45	−10 57.6	1.588	2.597	0.8	21.0
9 8	22 26.58	−11 55.6	1.615	2.610	4.5	21.3
9 18	22 18.74	−12 44.0	1.670	2.622	8.8	21.6
9 28	22 12.80	−13 18.6	1.748	2.634	12.5	21.9
10 8	22 9.26	−13 37.6	1.847	2.646	15.6	22.1
215621 2003 SA_{214}			8 30.1 1°.75	9°.3/24.9 18		
7 30	22 56.63	−24 44.2	0.885	1.823	17.6	18.5
8 9	22 52.37	−25 41.5	0.848	1.820	13.3	18.2
8 19	22 44.86	−26 28.7	0.829	1.818	10.0	18.0
8 29	22 35.51	−26 52.6	0.830	1.818	9.6	18.0
9 8	22 26.24	−26 44.4	0.850	1.820	12.6	18.2
9 18	22 18.85	−26 2.4	0.890	1.824	16.7	18.4
9 28	22 14.65	−24 50.0	0.947	1.830	20.7	18.7
10 8	22 14.16	−23 14.1	1.019	1.837	24.2	19.0
438900 2009 WP_{45}			8 30.1 206°.45	7°.6/ 6.3 18		
7 30	22 57.28	+13 49.6	1.959	2.752	15.7	21.2
8 9	22 51.61	+14 12.1	1.879	2.748	13.2	21.0
8 19	22 44.12	+14 10.8	1.819	2.744	10.5	20.9
8 29	22 35.46	+13 44.6	1.782	2.740	8.3	20.7
9 8	22 26.54	+12 55.7	1.771	2.735	7.6	20.7
9 18	22 18.33	+11 49.0	1.786	2.730	9.0	20.7
9 28	22 11.71	+10 31.9	1.826	2.724	11.4	20.9
10 8	22 7.31	+ 9 12.6	1.889	2.718	14.1	21.1
69508 1997 ET_{2}			8 30.1 163°.30	1°.0/31.2 18		
7 30	22 54.62	− 1 58.4	2.128	2.998	11.9	19.3
8 9	22 49.48	− 2 58.9	2.060	3.003	8.6	19.1
8 19	22 42.84	− 4 13.2	2.017	3.007	4.9	18.9
8 29	22 35.32	− 5 36.7	2.002	3.010	1.3	18.7
9 8	22 27.70	− 7 2.9	2.016	3.013	3.3	18.8
9 18	22 20.77	− 8 25.4	2.058	3.016	7.0	19.1
9 28	22 15.23	− 9 38.4	2.127	3.018	10.4	19.3
10 8	22 11.59	−10 38.1	2.219	3.020	13.3	19.5
342860 2008 YL_{23}			8 30.1 323°.51	11°.0/ 5.6 18		
7 30	22 58.07	+13 39.2	1.475	2.289	19.0	19.9
8 9	22 52.85	+15 12.8	1.392	2.270	16.4	19.7
8 19	22 45.11	+16 22.6	1.327	2.251	13.7	19.5
8 29	22 35.58	+17 3.1	1.283	2.233	11.6	19.3
9 8	22 25.41	+17 12.1	1.262	2.216	11.1	19.2
9 18	22 15.97	+16 51.9	1.263	2.200	12.6	19.3
9 28	22 8.58	+16 9.4	1.286	2.184	15.2	19.4
10 8	22 4.16	+15 14.7	1.328	2.170	18.3	19.5
250583 2005 AF_{41}			8 30.1 243°.51	0°.6/30.6 17		
7 30	22 58.66	− 4 57.8	1.529	2.419	14.6	21.4
8 9	22 52.94	− 5 30.4	1.456	2.409	10.6	21.1
8 19	22 44.97	− 6 17.9	1.404	2.398	5.9	20.8
8 29	22 35.55	− 7 15.2	1.378	2.387	1.0	20.4
9 8	22 25.82	− 8 15.2	1.378	2.376	4.4	20.7
9 18	22 17.01	− 9 10.6	1.404	2.364	9.4	20.9
9 28	22 10.20	− 9 55.0	1.454	2.352	13.8	21.2
10 8	22 6.11	−10 24.6	1.525	2.340	17.6	21.4

347095 2010 GU_{140} 8 30.1 246°.83 1°.7/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.49	−11 58.7	1.847	2.746	12.0	21.3
8 9	22 51.73	−12 34.3	1.781	2.741	8.4	21.0
8 19	22 44.14	−13 15.5	1.739	2.736	4.5	20.8
8 29	22 35.45	−13 56.9	1.723	2.731	1.7	20.6
9 8	22 26.63	−14 32.9	1.735	2.725	4.9	20.8
9 18	22 18.64	−14 58.7	1.773	2.720	8.8	21.0
9 28	22 12.36	−15 11.5	1.836	2.714	12.4	21.2
10 8	22 8.37	−15 9.9	1.920	2.708	15.5	21.4

64324 2001 UG_{42} 8 30.1 335°.46 2°.3/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.69	− 0 3.4	1.897	2.767	13.1	19.7
8 9	22 49.00	− 0 27.3	1.826	2.765	9.8	19.5
8 19	22 42.65	− 1 6.7	1.778	2.762	6.1	19.2
8 29	22 35.31	− 1 58.6	1.756	2.760	2.7	19.0
9 8	22 27.81	− 2 57.8	1.761	2.758	3.7	19.1
9 18	22 21.04	− 3 58.2	1.792	2.756	7.3	19.3
9 28	22 15.80	− 4 53.9	1.849	2.755	10.9	19.5
10 8	22 12.62	− 5 40.1	1.929	2.753	14.1	19.7

224068 2005 NJ_{40} 8 30.1 339°.99 0°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.68	− 7 52.1	1.098	2.019	16.5	19.8
8 9	22 49.22	− 8 30.7	1.036	2.005	11.8	19.5
8 19	22 43.14	− 9 25.4	0.993	1.993	6.3	19.2
8 29	22 35.37	−10 28.6	0.972	1.982	0.8	18.8
9 8	22 27.29	−11 30.5	0.974	1.972	5.8	19.1
9 18	22 20.35	−12 21.7	0.998	1.963	11.5	19.4
9 28	22 15.86	−12 54.9	1.043	1.956	16.6	19.6
10 8	22 14.55	−13 6.9	1.104	1.950	20.9	19.9

520145 2014 BZ_{68} 8 30.1 214°.09 1°.8/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.61	− 2 57.4	1.938	2.810	12.8	21.9
8 9	22 52.46	− 2 58.1	1.865	2.806	9.4	21.7
8 19	22 44.52	− 3 10.4	1.815	2.803	5.6	21.5
8 29	22 35.50	− 3 32.0	1.792	2.799	2.1	21.3
9 8	22 26.32	− 3 58.6	1.797	2.794	3.7	21.4
9 18	22 17.91	− 4 26.1	1.830	2.790	7.5	21.6
9 28	22 11.13	− 4 50.0	1.888	2.785	11.2	21.8
10 8	22 6.55	− 5 6.8	1.968	2.780	14.3	22.0

322638 1998 SG_{97} 8 30.1 343°.76 0°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 50.21	− 3 57.4	1.603	2.500	13.6	19.7
8 9	22 46.82	− 4 40.8	1.530	2.487	9.9	19.4
8 19	22 41.59	− 5 40.1	1.480	2.475	5.6	19.2
8 29	22 35.21	− 6 50.2	1.455	2.464	1.1	18.8
9 8	22 28.61	− 8 4.0	1.456	2.455	4.0	19.0
9 18	22 22.78	− 9 13.7	1.482	2.446	8.5	19.3
9 28	22 18.62	−10 12.5	1.531	2.438	12.7	19.5
10 8	22 16.74	−10 55.6	1.602	2.432	16.2	19.7

210222 2007 RT_{89} 8 30.1 275°.63 0°.4/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.18	− 5 23.8	1.819	2.707	12.7	20.5
8 9	22 50.14	− 5 59.2	1.748	2.700	9.1	20.3
8 19	22 43.31	− 6 46.8	1.699	2.694	5.1	20.0
8 29	22 35.38	− 7 42.0	1.677	2.687	0.8	19.7
9 8	22 27.27	− 8 38.8	1.683	2.680	3.8	19.9
9 18	22 19.92	− 9 31.1	1.715	2.673	8.1	20.2
9 28	22 14.19	−10 13.7	1.771	2.667	11.9	20.4
10 8	22 10.68	−10 43.3	1.850	2.660	15.2	20.6

352470 2008 AJ_{130} 8 30.1 250°.36 1°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.93	−10 18.2	2.003	2.900	11.3	21.0
8 9	22 49.80	−11 4.1	1.938	2.897	7.9	20.8
8 19	22 43.06	−11 57.0	1.897	2.894	4.2	20.6
8 29	22 35.35	−12 51.7	1.883	2.892	1.3	20.4
9 8	22 27.53	−13 42.4	1.897	2.889	4.3	20.6
9 18	22 20.45	−14 24.3	1.939	2.887	8.1	20.8
9 28	22 14.88	−14 53.5	2.005	2.884	11.5	21.0
10 8	22 11.35	−15 8.5	2.092	2.881	14.4	21.2

515924 2015 QV_{4} 8 30.1 304°.26 0°.4/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.17	− 5 31.4	1.937	2.824	12.1	20.8
8 9	22 49.33	− 6 4.4	1.866	2.818	8.7	20.6
8 19	22 42.84	− 6 48.6	1.818	2.812	4.8	20.4
8 29	22 35.34	− 7 39.8	1.796	2.806	0.7	20.0
9 8	22 27.68	− 8 32.4	1.803	2.800	3.6	20.3
9 18	22 20.73	− 9 20.9	1.836	2.794	7.6	20.5
9 28	22 15.29	−10 0.7	1.894	2.789	11.3	20.7
10 8	22 11.91	−10 28.4	1.974	2.783	14.4	20.9

303149 2004 DY_{70} 8 30.1 204°.92 0°.6/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.45	− 4 23.4	2.100	2.979	11.6	21.2
8 9	22 49.41	− 5 3.5	2.029	2.978	8.4	21.0
8 19	22 42.83	− 5 55.2	1.983	2.975	4.7	20.8
8 29	22 35.34	− 6 54.2	1.964	2.973	0.9	20.5
9 8	22 27.71	− 7 55.0	1.973	2.971	3.3	20.7
9 18	22 20.76	− 8 52.3	2.010	2.968	7.1	20.9
9 28	22 15.22	− 9 41.2	2.073	2.965	10.6	21.1
10 8	22 11.61	−10 18.4	2.159	2.962	13.5	21.3

420577 2012 HU_{24} 8 30.1 157°.39 9°.9/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.32	+24 1.9	2.170	2.877	16.8	22.2
8 9	22 52.92	+24 25.5	2.096	2.887	14.8	22.0
8 19	22 44.77	+24 20.9	2.040	2.896	12.8	21.9
8 29	22 35.54	+23 46.1	2.006	2.904	11.0	21.8
9 8	22 26.16	+22 42.3	1.995	2.911	10.0	21.8
9 18	22 17.56	+21 14.4	2.010	2.917	10.2	21.8
9 28	22 10.59	+19 30.2	2.051	2.923	11.6	21.9
10 8	22 5.80	+17 39.1	2.115	2.927	13.4	22.0

444302 2005 VD_{66} 8 30.1 323°.73 4°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.57	+ 6 38.5	2.116	2.952	13.2	21.0
8 9	22 48.10	+ 6 19.6	2.040	2.951	10.4	20.9
8 19	22 42.14	+ 5 41.6	1.986	2.949	7.4	20.7
8 29	22 35.28	+ 4 46.4	1.958	2.947	4.8	20.5
9 8	22 28.27	+ 3 38.2	1.956	2.946	4.5	20.5
9 18	22 21.90	+ 2 22.9	1.982	2.944	6.9	20.6
9 28	22 16.88	+ 1 6.9	2.035	2.943	9.9	20.8
10 8	22 13.72	− 0 3.6	2.110	2.941	12.8	21.0

424563 2008 FM_{62} 8 30.1 20°.17 4°.0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 50.87	+ 4 45.7	1.130	2.015	19.0	20.0
8 9	22 47.68	+ 3 50.4	1.078	2.021	14.5	19.7
8 19	22 42.17	+ 2 23.1	1.045	2.027	9.5	19.5
8 29	22 35.28	+ 0 29.9	1.033	2.035	4.9	19.2
9 8	22 28.30	− 1 37.6	1.045	2.044	5.1	19.3
9 18	22 22.50	− 3 45.3	1.081	2.053	9.7	19.6
9 28	22 18.95	− 5 40.1	1.139	2.064	14.4	19.9
10 8	22 18.24	− 7 13.0	1.216	2.075	18.5	20.2

324955 2007 YE_{54} 8 30.1 146°.31 5°.3/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.32	−19 12.2	1.491	2.402	13.6	20.9
8 9	22 54.03	−20 22.9	1.443	2.406	9.7	20.6
8 19	22 45.47	−21 32.9	1.418	2.409	6.3	20.5
8 29	22 35.61	−22 33.0	1.418	2.412	5.5	20.4
9 8	22 25.73	−23 15.0	1.444	2.415	8.3	20.6
9 18	22 17.07	−23 34.7	1.495	2.418	12.0	20.8
9 28	22 10.65	−23 31.1	1.567	2.421	15.5	21.0
10 8	22 7.06	−23 6.3	1.658	2.423	18.5	21.3

373733 2002 TS_{14} 8 30.1 334°.29 3°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.15	−13 4.0	1.059	1.987	16.3	20.0
8 9	22 50.45	−13 44.9	0.995	1.969	11.5	19.7
8 19	22 43.90	−14 35.0	0.951	1.951	6.3	19.3
8 29	22 35.48	−15 25.5	0.928	1.935	3.2	19.1
9 8	22 26.68	−16 6.1	0.928	1.920	7.4	19.3
9 18	22 19.08	−16 28.9	0.949	1.907	13.0	19.5
9 28	22 14.11	−16 29.3	0.989	1.895	18.0	19.8
10 8	22 12.55	−16 6.7	1.046	1.884	22.3	20.0

35318 1997 BD_{1} 8 30.1 247°.06 8°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.22	+14 51.8	1.874	2.663	16.4	18.2
8 9	22 51.70	+15 31.1	1.792	2.656	14.0	18.0
8 19	22 44.24	+15 46.0	1.731	2.649	11.4	17.8
8 29	22 35.51	+15 34.5	1.691	2.642	9.3	17.7
9 8	22 26.47	+14 57.7	1.677	2.634	8.6	17.6
9 18	22 18.12	+14 0.0	1.687	2.626	9.8	17.7
9 28	22 11.43	+12 48.8	1.722	2.618	12.1	17.8
10 8	22 7.08	+11 32.6	1.779	2.610	14.8	18.0

132108 2002 CP_{215} 8 30.1 204°.70 0°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.77	− 6 51.3	1.926	2.812	12.2	21.3
8 9	22 51.18	− 7 31.1	1.856	2.810	8.7	21.1
8 19	22 43.85	− 8 21.1	1.811	2.806	4.7	20.8
8 29	22 35.47	− 9 16.7	1.793	2.803	0.4	20.5
9 8	22 26.94	−10 11.7	1.803	2.799	3.9	20.8
9 18	22 19.17	−11 0.8	1.840	2.794	8.0	21.0
9 28	22 13.01	−11 39.3	1.902	2.789	11.6	21.2
10 8	22 9.00	−12 4.6	1.986	2.784	14.7	21.4

331592 2001 TQ_{248} 8 30.1 40°.49 1°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.75	−10 51.7	1.782	2.683	12.3	20.9
8 9	22 50.47	−11 30.2	1.726	2.688	8.6	20.7
8 19	22 43.44	−12 15.3	1.695	2.693	4.5	20.5
8 29	22 35.42	−13 1.4	1.690	2.699	1.4	20.3
9 8	22 27.36	−13 42.5	1.712	2.704	4.6	20.5
9 18	22 20.20	−14 13.9	1.760	2.710	8.6	20.8
9 28	22 14.76	−14 32.2	1.833	2.716	12.2	21.0
10 8	22 11.55	−14 36.3	1.926	2.723	15.1	21.2

506545 2005 EX_{47} 8 30.1 180°.89 1°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.86	−12 17.6	2.295	3.182	10.5	21.9
8 9	22 53.08	−12 36.8	2.228	3.183	7.4	21.7
8 19	22 44.76	−12 59.4	2.188	3.184	3.9	21.5
8 29	22 35.56	−13 21.6	2.175	3.184	1.3	21.3
9 8	22 26.30	−13 39.3	2.193	3.183	4.0	21.5
9 18	22 17.78	−13 49.6	2.238	3.182	7.4	21.7
9 28	22 10.75	−13 50.4	2.310	3.181	10.5	21.9
10 8	22 5.69	−13 41.0	2.405	3.179	13.1	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308607 2005 WY_3			8 30.1 260°.58	1°.6/ 5.4 09 C		
	h m	° ′			°	m
7 30	22 43.95	+ 9 15.7	9.261	10.041	3.9	23.7
8 9	22 41.21	+ 9 3.7	9.148	10.017	3.1	23.6
8 19	22 38.15	+ 8 46.8	9.061	9.992	2.4	23.5
8 29	22 34.90	+ 8 25.5	9.002	9.968	1.8	23.5
9 8	22 31.62	+ 8 0.5	8.972	9.943	1.6	23.5
9 18	22 28.44	+ 7 32.7	8.972	9.918	2.1	23.5
9 28	22 25.53	+ 7 3.2	9.001	9.893	2.8	23.5
10 8	22 23.00	+ 6 33.1	9.058	9.867	3.6	23.6
469677 2004 XR_{65}			8 30.1 272°.02	8°.2/21.4 18		
7 30	22 59.59	−29 31.4	1.874	2.774	11.8	21.3
8 9	22 53.57	−31 2.8	1.810	2.752	9.6	21.1
8 19	22 45.32	−32 26.6	1.770	2.730	8.3	21.0
8 29	22 35.63	−33 33.2	1.755	2.708	8.8	21.0
9 8	22 25.64	−34 15.2	1.765	2.685	10.8	21.1
9 18	22 16.52	−34 28.7	1.799	2.661	13.5	21.2
9 28	22 9.37	−34 13.9	1.853	2.638	16.2	21.3
10 8	22 4.88	−33 34.0	1.924	2.614	18.5	21.5
79759 1998 TF_{23}			8 30.1 118°.74	1°.3/29.0 18		
7 30	22 59.81	−10 15.3	1.659	2.555	13.3	19.5
8 9	22 53.38	−10 56.2	1.608	2.567	9.3	19.3
8 19	22 45.02	−11 44.4	1.582	2.579	4.9	19.1
8 29	22 35.59	−12 33.8	1.582	2.590	1.3	18.8
9 8	22 26.19	−13 17.8	1.609	2.601	4.8	19.1
9 18	22 17.86	−13 51.3	1.662	2.612	9.0	19.4
9 28	22 11.50	−14 11.1	1.740	2.622	12.8	19.7
10 8	22 7.62	−14 16.0	1.838	2.632	15.9	19.9
352106 2007 BB_{17}			8 30.1 88°.33	5°.3/ 4.8 18		
7 30	22 57.60	+ 9 16.7	2.368	3.175	12.9	20.4
8 9	22 51.38	+ 9 40.0	2.311	3.197	10.4	20.3
8 19	22 43.80	+ 9 46.2	2.277	3.219	7.9	20.2
8 29	22 35.47	+ 9 35.7	2.269	3.241	5.8	20.1
9 8	22 27.15	+ 9 10.8	2.289	3.262	5.4	20.1
9 18	22 19.55	+ 8 35.5	2.336	3.284	6.9	20.2
9 28	22 13.33	+ 7 54.4	2.410	3.305	9.2	20.4
10 8	22 8.93	+ 7 12.8	2.508	3.325	11.4	20.6
156438 2002 AZ_{140}			8 30.1 76°.64	2°.7/ 1.3 17		
7 30	22 59.17	− 0 15.8	1.619	2.490	14.9	19.4
8 9	22 52.85	− 0 25.9	1.575	2.513	11.1	19.2
8 19	22 44.68	− 0 52.2	1.552	2.536	6.8	19.0
8 29	22 35.56	− 1 31.2	1.555	2.559	3.1	18.8
9 8	22 26.54	− 2 17.1	1.585	2.582	4.1	18.9
9 18	22 18.64	− 3 4.0	1.642	2.605	7.9	19.2
9 28	22 12.69	− 3 46.0	1.723	2.627	11.6	19.5
10 8	22 9.16	− 4 18.9	1.826	2.650	14.8	19.7
310350 2011 UY_{250}			8 30.1 286°.43	7°.1/22.6 18		
7 30	22 57.10	−27 35.0	1.969	2.873	11.2	20.8
8 9	22 51.53	−28 51.9	1.915	2.864	8.8	20.6
8 19	22 44.08	−30 1.8	1.886	2.855	7.2	20.5
8 29	22 35.51	−30 56.7	1.883	2.846	7.5	20.5
9 8	22 26.81	−31 30.5	1.905	2.837	9.4	20.6
9 18	22 19.01	−31 40.4	1.951	2.828	12.0	20.7
9 28	22 12.98	−31 26.2	2.019	2.820	14.5	20.9
10 8	22 9.30	−30 50.7	2.104	2.811	16.7	21.1
339342 2005 AE_1			8 30.1 337°.96	10°.2/19.1 18		
7 30	22 49.35	−25 14.1	1.173	2.108	14.4	18.5
8 9	22 46.99	−28 2.3	1.123	2.089	11.5	18.3
8 19	22 42.02	−30 48.2	1.095	2.071	10.2	18.1
8 29	22 35.31	−33 13.8	1.091	2.055	11.5	18.2
9 8	22 28.25	−35 4.3	1.108	2.040	14.6	18.3
9 18	22 22.30	−36 11.4	1.145	2.027	18.2	18.5
9 28	22 18.80	−36 33.7	1.198	2.015	21.5	18.7
10 8	22 18.53	−36 15.6	1.265	2.005	24.3	18.9
45331 2000 AZ_{76}			8 30.1 276°.00	2°.7/ 1.5 18		
7 30	22 55.65	+ 0 8.9	1.823	2.691	13.6	19.0
8 9	22 50.49	− 0 3.1	1.750	2.687	10.2	18.8
8 19	22 43.53	− 0 30.9	1.699	2.682	6.5	18.6
8 29	22 35.46	− 1 12.0	1.674	2.677	3.1	18.4
9 8	22 27.21	− 2 1.4	1.676	2.673	3.9	18.4
9 18	22 19.72	− 2 53.4	1.704	2.668	7.7	18.6
9 28	22 13.85	− 3 42.1	1.758	2.663	11.4	18.9
10 8	22 10.20	− 4 22.5	1.834	2.659	14.7	19.1
239087 2006 HY_{10}			8 30.1 73°.07	1°.9/28.3 18		
7 30	22 55.76	−10 53.2	1.682	2.585	12.7	20.4
8 9	22 50.54	−11 55.9	1.633	2.595	8.9	20.2
8 19	22 43.50	−13 5.9	1.608	2.606	4.7	20.0
8 29	22 35.45	−14 16.2	1.609	2.616	1.9	19.9
9 8	22 27.40	−15 19.2	1.637	2.627	5.2	20.1
9 18	22 20.31	−16 9.2	1.691	2.637	9.2	20.4
9 28	22 15.03	−16 42.5	1.769	2.648	12.8	20.6
10 8	22 12.06	−16 58.0	1.867	2.658	15.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
365987 2012 BM_{81}			8 30.1 228°.32	2°.3/27.3 18		
	h m	° ′			°	m
7 30	22 53.58	−13 38.1	2.403	3.302	9.6	21.2
8 9	22 48.71	−14 42.2	2.335	3.296	6.7	21.0
8 19	22 42.44	−15 50.7	2.293	3.289	3.7	20.8
8 29	22 35.35	−16 58.0	2.279	3.283	2.4	20.7
9 8	22 28.13	−17 58.8	2.294	3.276	4.7	20.9
9 18	22 21.49	−18 48.6	2.337	3.269	7.8	21.1
9 28	22 16.09	−19 24.3	2.405	3.262	10.6	21.2
10 8	22 12.44	−19 44.8	2.494	3.254	13.1	21.4
172948 2005 JR_{164}			8 30.1 152°.21	5°.7/ 5.7 18		
7 30	22 55.07	+11 38.8	2.305	3.103	13.5	21.0
8 9	22 49.76	+11 35.9	2.231	3.110	11.0	20.8
8 19	22 43.01	+11 12.9	2.180	3.116	8.5	20.6
8 29	22 35.41	+10 30.4	2.153	3.121	6.3	20.5
9 8	22 27.71	+ 9 31.6	2.153	3.127	5.7	20.5
9 18	22 20.64	+ 8 21.5	2.181	3.131	7.2	20.6
9 28	22 14.91	+ 7 6.2	2.235	3.136	9.5	20.8
10 8	22 10.99	+ 5 52.1	2.314	3.140	12.0	20.9
353690 2011 UK_{322}			8 30.1 235°.24	0°.8/29.3 18		
7 30	22 54.85	− 8 45.7	2.071	2.963	11.2	21.0
8 9	22 49.74	− 9 29.1	2.003	2.959	7.9	20.8
8 19	22 43.05	−10 20.7	1.959	2.955	4.2	20.6
8 29	22 35.42	−11 15.7	1.942	2.951	0.8	20.3
9 8	22 27.66	−12 8.3	1.953	2.947	3.9	20.6
9 18	22 20.59	−12 53.7	1.992	2.943	7.7	20.8
9 28	22 14.97	−13 28.0	2.056	2.938	11.1	21.0
10 8	22 11.33	−13 48.9	2.142	2.934	14.0	21.2
139218 2001 GP_{11}			8 30.1 81°.59	0°.4/29.8 18		
7 30	22 57.01	− 6 26.8	1.432	2.331	14.8	19.6
8 9	22 51.65	− 7 24.2	1.382	2.341	10.5	19.4
8 19	22 44.18	− 8 35.1	1.355	2.352	5.6	19.2
8 29	22 35.54	− 9 52.1	1.353	2.363	0.6	18.8
9 8	22 26.88	−11 6.4	1.377	2.373	4.7	19.2
9 18	22 19.35	−12 10.2	1.427	2.384	9.5	19.5
9 28	22 13.90	−12 58.0	1.500	2.395	13.7	19.8
10 8	22 11.08	−13 27.2	1.592	2.405	17.1	20.0
478922 2012 XL_4			8 30.1 277°.52	5°.1/25.1 18		
7 30	22 56.06	−19 44.3	1.787	2.698	11.7	21.5
8 9	22 50.90	−21 4.2	1.727	2.689	8.5	21.3
8 19	22 43.80	−22 24.4	1.690	2.680	5.7	21.1
8 29	22 35.50	−23 36.6	1.680	2.671	5.4	21.1
9 8	22 27.03	−24 33.2	1.697	2.661	7.8	21.2
9 18	22 19.41	−25 9.1	1.738	2.652	11.2	21.4
9 28	22 13.58	−25 22.3	1.802	2.643	14.3	21.6
10 8	22 10.14	−25 13.9	1.885	2.634	17.1	21.8
467492 2006 UR_{64}			8 30.1 9°.66	3°.4/28.3 16		
7 30	22 53.44	−13 40.0	0.844	1.784	18.0	20.3
8 9	22 50.00	−14 8.8	0.807	1.786	12.7	20.0
8 19	22 43.58	−14 44.3	0.788	1.790	6.9	19.8
8 29	22 35.48	−15 16.9	0.789	1.796	3.4	19.6
9 8	22 27.45	−15 37.0	0.810	1.805	7.7	19.9
9 18	22 21.11	−15 38.6	0.852	1.815	13.2	20.2
9 28	22 17.70	−15 19.3	0.912	1.828	18.1	20.5
10 8	22 17.74	−14 40.1	0.987	1.842	22.1	20.9
88120 2000 WF_{139}			8 30.1 7°.26	1°.5/31.5 18 R		
7 30	22 53.58	− 2 44.9	1.806	2.688	13.1	19.3
8 9	22 48.98	− 3 7.5	1.741	2.689	9.6	19.1
8 19	22 42.68	− 3 43.7	1.700	2.690	5.6	18.9
8 29	22 35.40	− 4 29.9	1.684	2.691	1.9	18.6
9 8	22 28.00	− 5 20.6	1.695	2.693	3.6	18.7
9 18	22 21.39	− 6 10.1	1.732	2.695	7.6	19.0
9 28	22 16.38	− 6 53.0	1.794	2.698	11.3	19.2
10 8	22 13.49	− 7 25.3	1.878	2.701	14.4	19.4
264043 2009 RV_6			8 30.1 350°.69	1°.9/31.5 18		
7 30	22 53.11	− 4 13.6	1.446	2.344	14.8	19.6
8 9	22 49.04	− 4 3.8	1.377	2.333	10.9	19.3
8 19	22 42.89	− 4 7.2	1.330	2.323	6.4	19.0
8 29	22 35.43	− 4 21.3	1.306	2.314	2.2	18.8
9 8	22 27.75	− 4 41.4	1.308	2.307	4.2	18.9
9 18	22 20.98	− 5 2.1	1.333	2.301	8.8	19.1
9 28	22 16.13	− 5 18.2	1.382	2.297	13.1	19.4
10 8	22 13.85	− 5 25.6	1.450	2.294	16.9	19.6
335043 2004 RC_{79}			8 30.1 8°.49	3°.3/28.4 18		
7 30	22 52.63	−14 33.6	0.859	1.800	17.7	19.2
8 9	22 49.36	−14 45.9	0.823	1.802	12.4	18.9
8 19	22 43.20	−15 2.7	0.806	1.808	6.8	18.6
8 29	22 35.45	−15 15.6	0.808	1.815	3.3	18.5
9 8	22 27.81	−15 16.8	0.831	1.826	7.4	18.7
9 18	22 21.83	−15 1.8	0.874	1.838	12.8	19.1
9 28	22 18.68	−14 29.1	0.936	1.853	17.6	19.4
10 8	22 18.87	−13 39.8	1.014	1.871	21.5	19.7

445264 2009 SU_{92} 8 30.1 294.°51 8.°9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.78	−37 22.6	2.250	3.118	11.4	20.1
8 9	22 57.53	−37 59.5	2.193	3.104	9.8	20.0
8 19	22 47.26	−38 21.1	2.160	3.089	8.9	19.9
8 29	22 35.88	−38 20.8	2.152	3.074	9.2	19.9
9 8	22 24.55	−37 54.9	2.169	3.059	10.5	20.0
9 18	22 14.36	−37 3.4	2.211	3.045	12.4	20.1
9 28	22 6.23	−35 49.0	2.275	3.030	14.4	20.2
10 8	22 0.70	−34 16.4	2.358	3.016	16.2	20.3

510681 2012 UJ_{51} 8 30.1 232.°42 2.°0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.51	−13 8.6	2.222	3.116	10.5	22.4
8 9	22 51.62	−13 52.6	2.146	3.104	7.4	22.2
8 19	22 44.10	−14 41.1	2.095	3.091	4.0	21.9
8 29	22 35.57	−15 29.0	2.072	3.078	2.0	21.8
9 8	22 26.86	−16 11.0	2.078	3.064	4.7	21.9
9 18	22 18.78	−16 43.0	2.111	3.050	8.1	22.1
9 28	22 12.14	−17 2.0	2.170	3.035	11.3	22.3
10 8	22 7.49	−17 7.1	2.251	3.020	14.1	22.5

481525 2007 HG_{53} 8 30.1 155.°26 6.°3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.22	−32 50.1	2.965	3.846	8.6	21.7
8 9	22 51.08	−33 53.7	2.928	3.853	7.1	21.6
8 19	22 43.65	−34 48.2	2.917	3.860	6.3	21.5
8 29	22 35.52	−35 28.7	2.934	3.866	6.6	21.6
9 8	22 27.39	−35 51.9	2.977	3.872	7.8	21.7
9 18	22 19.95	−35 56.6	3.045	3.877	9.4	21.8
9 28	22 13.83	−35 43.1	3.136	3.882	11.0	21.9
10 8	22 9.42	−35 13.4	3.246	3.887	12.4	22.0

38915 2000 SR_{189} 8 30.1 209.°03 5.°1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.64	+ 8 50.2	2.255	3.069	13.2	19.9
8 9	22 50.98	+ 8 48.5	2.170	3.063	10.7	19.7
8 19	22 43.76	+ 8 27.9	2.107	3.056	7.9	19.5
8 29	22 35.54	+ 7 49.2	2.069	3.049	5.6	19.4
9 8	22 27.11	+ 6 55.2	2.060	3.041	5.2	19.3
9 18	22 19.26	+ 5 50.9	2.078	3.032	7.2	19.4
9 28	22 12.77	+ 4 42.3	2.122	3.022	10.0	19.6
10 8	22 8.19	+ 3 35.6	2.191	3.012	12.7	19.7

75815 2000 BA_{6} 8 30.1 346.°07 8.°4/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.02	−27 47.5	1.229	2.142	15.8	17.1
8 9	22 57.91	−27 54.6	1.173	2.129	12.2	16.8
8 19	22 47.79	−27 47.4	1.137	2.118	9.2	16.6
8 29	22 35.95	−27 17.2	1.124	2.108	8.5	16.6
9 8	22 24.11	−26 19.1	1.134	2.099	10.8	16.7
9 18	22 13.97	−24 53.9	1.168	2.092	14.5	16.9
9 28	22 6.80	−23 6.6	1.222	2.086	18.3	17.1
10 8	22 3.21	−21 4.0	1.294	2.082	21.6	17.3

398335 2011 QD_{31} 8 30.1 265.°93 6.°5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.79	+ 9 53.8	1.978	2.794	14.8	20.8
8 9	22 51.33	+10 21.7	1.892	2.782	12.1	20.6
8 19	22 44.05	+10 29.4	1.827	2.770	9.4	20.4
8 29	22 35.58	+10 16.2	1.786	2.758	7.1	20.3
9 8	22 26.79	+ 9 43.8	1.771	2.746	6.6	20.2
9 18	22 18.63	+ 8 56.4	1.782	2.733	8.4	20.3
9 28	22 11.99	+ 8 0.4	1.819	2.721	11.3	20.5
10 8	22 7.53	+ 7 2.8	1.878	2.708	14.2	20.6

91197 1998 SD_{115} 8 30.1 298.°18 3.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 51.82	+ 4 17.9	2.212	3.059	12.4	19.5
8 9	22 47.59	+ 3 49.5	2.129	3.049	9.6	19.3
8 19	22 41.92	+ 3 3.7	2.068	3.040	6.5	19.1
8 29	22 35.36	+ 2 2.9	2.034	3.030	3.8	18.9
9 8	22 28.61	+ 0 51.4	2.027	3.021	3.8	18.9
9 18	22 22.42	− 0 25.0	2.048	3.011	6.6	19.0
9 28	22 17.50	− 1 40.2	2.095	3.002	9.7	19.2
10 8	22 14.35	− 2 48.4	2.166	2.993	12.6	19.4

280081 2002 CX_{284} 8 30.1 301.°77 1.°0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.76	− 4 55.0	1.640	2.527	13.9	20.8
8 9	22 52.12	− 5 7.6	1.573	2.524	10.1	20.5
8 19	22 44.48	− 5 32.6	1.529	2.522	5.7	20.3
8 29	22 35.62	− 6 6.1	1.510	2.519	1.4	20.0
9 8	22 26.60	− 6 42.7	1.518	2.517	4.0	20.2
9 18	22 18.50	− 7 16.9	1.553	2.514	8.5	20.4
9 28	22 12.26	− 7 43.7	1.611	2.512	12.5	20.7
10 8	22 8.50	− 7 59.6	1.691	2.510	16.0	20.9

352948 2009 BM_{13} 8 30.1 127.°58 5.°0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.05	+ 6 57.1	2.335	3.149	12.8	20.6
8 9	22 53.90	+ 7 31.9	2.269	3.163	10.2	20.4
8 19	22 45.24	+ 7 51.4	2.226	3.176	7.5	20.3
8 29	22 35.70	+ 7 55.4	2.211	3.189	5.4	20.2
9 8	22 26.09	+ 7 45.7	2.224	3.201	5.2	20.2
9 18	22 17.23	+ 7 25.7	2.265	3.213	7.1	20.3
9 28	22 9.82	+ 6 59.7	2.334	3.224	9.6	20.5
10 8	22 4.36	+ 6 32.4	2.426	3.235	12.0	20.7

377587 2005 NG_{85} 8 30.1 6.°87 2.°1/28.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 49.99	− 9 42.5	0.899	1.835	17.6	20.2
8 9	22 47.47	−10 37.5	0.858	1.835	12.4	19.9
8 19	22 42.24	−11 47.1	0.835	1.837	6.5	19.6
8 29	22 35.40	−13 0.4	0.832	1.841	2.1	19.4
9 8	22 28.52	−14 5.3	0.851	1.848	6.8	19.7
9 18	22 23.08	−14 52.1	0.891	1.856	12.5	20.0
9 28	22 20.28	−15 15.1	0.949	1.866	17.5	20.4
10 8	22 20.69	−15 13.2	1.023	1.878	21.5	20.7

213654 2002 RL_{209} 8 30.1 278.°63 2.°0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.65	− 0 10.8	1.913	2.783	13.0	21.0
8 9	22 49.10	− 0 50.7	1.830	2.770	9.7	20.8
8 19	22 42.83	− 1 47.6	1.771	2.757	5.9	20.5
8 29	22 35.48	− 2 57.9	1.738	2.743	2.4	20.3
9 8	22 27.87	− 4 15.6	1.732	2.730	3.6	20.3
9 18	22 20.89	− 5 33.8	1.753	2.716	7.5	20.5
9 28	22 15.41	− 6 45.8	1.800	2.703	11.3	20.7
10 8	22 12.01	− 7 46.1	1.869	2.689	14.6	20.9

221646 2007 BX_{58} 8 30.1 233.°43 0.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.69	− 5 8.7	1.857	2.739	12.8	21.6
8 9	22 52.00	− 5 45.0	1.778	2.728	9.2	21.3
8 19	22 44.42	− 6 33.8	1.724	2.717	5.2	21.1
8 29	22 35.65	− 7 30.7	1.696	2.705	0.8	20.7
9 8	22 26.62	− 8 29.5	1.696	2.693	3.8	21.0
9 18	22 18.32	− 9 24.3	1.723	2.680	8.2	21.2
9 28	22 11.67	−10 9.5	1.775	2.667	12.1	21.4
10 8	22 7.30	−10 41.8	1.849	2.653	15.4	21.6

215515 2002 UR_{53} 8 30.1 17.°67 3.°7/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.69	−16 4.5	1.714	2.625	12.2	20.2
8 9	22 50.59	−17 8.0	1.661	2.626	8.6	20.0
8 19	22 43.62	−18 14.2	1.632	2.627	5.0	19.8
8 29	22 35.57	−19 15.5	1.629	2.629	3.8	19.7
9 8	22 27.45	−20 4.9	1.652	2.631	6.5	19.9
9 18	22 20.27	−20 37.7	1.701	2.633	10.1	20.1
9 28	22 14.89	−20 51.3	1.772	2.636	13.5	20.3
10 8	22 11.85	−20 46.0	1.864	2.638	16.4	20.5

38178 1999 JA_{122} 8 30.1 53.°56 3.°3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.41	−13 40.8	1.465	2.378	13.7	18.8
8 9	22 51.23	−14 51.7	1.421	2.388	9.5	18.6
8 19	22 43.99	−16 7.7	1.401	2.399	5.3	18.4
8 29	22 35.61	−17 20.2	1.405	2.409	3.4	18.3
9 8	22 27.24	−18 20.6	1.436	2.421	6.5	18.5
9 18	22 20.02	−19 3.1	1.491	2.432	10.6	18.8
9 28	22 14.86	−19 24.9	1.569	2.443	14.3	19.0
10 8	22 12.28	−19 26.2	1.665	2.455	17.4	19.3

91844 1999 UR_{2} 8 30.1 50.°65 3.°7/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.97	+ 4 9.7	2.151	2.997	12.7	19.1
8 9	22 49.07	+ 4 4.6	2.082	3.000	9.9	18.9
8 19	22 42.72	+ 3 43.3	2.034	3.003	6.8	18.7
8 29	22 35.49	+ 3 7.7	2.013	3.007	4.2	18.6
9 8	22 28.16	+ 2 21.5	2.019	3.010	4.2	18.6
9 18	22 21.50	+ 1 29.4	2.052	3.014	6.7	18.8
9 28	22 16.19	+ 0 36.9	2.112	3.018	9.7	19.0
10 8	22 12.74	− 0 11.0	2.195	3.022	12.5	19.2

165205 2000 RL_{76} 8 30.1 258.°11 0.°1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.79	− 8 18.4	1.438	2.334	15.0	19.3
8 9	22 55.33	− 8 27.4	1.367	2.324	10.7	19.0
8 19	22 46.40	− 8 46.5	1.318	2.314	5.9	18.7
8 29	22 35.89	− 9 10.8	1.294	2.304	0.6	18.3
9 8	22 25.09	− 9 34.5	1.297	2.294	4.8	18.6
9 18	22 15.33	− 9 52.1	1.324	2.283	9.9	18.8
9 28	22 7.82	− 9 59.5	1.375	2.272	14.5	19.1
10 8	22 3.27	− 9 54.2	1.446	2.261	18.4	19.3

481316 2006 AR_{30} 8 30.1 296.°24 2.°4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.35	− 1 8.4	2.202	3.065	11.8	21.0
8 9	22 50.78	− 0 58.8	2.124	3.059	8.9	20.8
8 19	22 43.66	− 1 0.5	2.070	3.052	5.6	20.6
8 29	22 35.60	− 1 11.7	2.043	3.046	2.7	20.4
9 8	22 27.37	− 1 29.7	2.044	3.040	3.5	20.4
9 18	22 19.77	− 1 50.7	2.072	3.033	6.7	20.6
9 28	22 13.55	− 2 11.0	2.127	3.027	10.0	20.8
10 8	22 9.23	− 2 26.9	2.205	3.021	12.8	21.0

208146 2000 EL_{168} 8 30.1 200.°37 4.°1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.84	−19 53.3	2.321	3.222	9.8	21.1
8 9	22 51.09	−21 1.8	2.261	3.218	7.1	20.9
8 19	22 43.81	−22 9.7	2.227	3.214	4.7	20.8
8 29	22 35.61	−23 10.8	2.220	3.210	4.3	20.7
9 8	22 27.29	−23 59.6	2.242	3.205	6.3	20.9
9 18	22 19.67	−24 32.4	2.291	3.200	9.1	21.0
9 28	22 13.47	−24 47.5	2.364	3.194	11.7	21.2
10 8	22 9.20	−24 45.4	2.458	3.187	14.0	21.4

348330 2005 CG_{79} 8 30.1 334.°52 0.°3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.38	− 6 23.9	1.727	2.622	13.0	20.4
8 9	22 49.67	− 7 18.0	1.663	2.620	9.2	20.2
8 19	22 43.15	− 8 24.6	1.622	2.618	5.0	20.0
8 29	22 35.54	− 9 37.6	1.607	2.617	0.5	19.6
9 8	22 27.79	−10 49.7	1.619	2.615	4.2	19.9
9 18	22 20.86	−11 54.2	1.658	2.614	8.5	20.2
9 28	22 15.61	−12 45.4	1.721	2.613	12.3	20.4
10 8	22 12.62	−13 20.4	1.804	2.612	15.6	20.6

459527 2013 EW_{127} 8 30.1 98.°44 8.°8/11.5 18

7 30	22 57.84	+24 31.8	2.725	3.411	14.1	20.5
8 9	22 51.61	+25 17.9	2.664	3.434	12.5	20.5
8 19	22 44.01	+25 41.7	2.622	3.456	10.9	20.4
8 29	22 35.63	+25 41.6	2.603	3.478	9.6	20.3
9 8	22 27.17	+25 18.4	2.608	3.500	8.9	20.3
9 18	22 19.35	+24 35.0	2.637	3.521	9.0	20.3
9 28	22 12.82	+23 36.4	2.692	3.541	9.9	20.4
10 8	22 8.05	+22 28.9	2.770	3.562	11.1	20.6

80917 2000 DN_{67} 8 30.1 272.°69 0.°7/29.6 18

7 30	22 57.94	− 8 21.8	1.561	2.459	13.9	19.8
8 9	22 52.50	− 8 59.2	1.485	2.444	9.9	19.5
8 19	22 44.84	− 9 48.1	1.432	2.429	5.3	19.2
8 29	22 35.73	−10 42.6	1.404	2.414	0.8	18.9
9 8	22 26.29	−11 35.7	1.403	2.398	4.8	19.1
9 18	22 17.71	−12 20.4	1.427	2.383	9.7	19.4
9 28	22 11.08	−12 51.6	1.475	2.367	14.0	19.6
10 8	22 7.12	−13 6.6	1.543	2.351	17.7	19.8

241543 2010 EH_{127} 8 30.1 127.°82 1.°3/28.9 17

7 30	22 57.48	−10 35.5	2.019	2.912	11.4	21.6
8 9	22 51.56	−11 17.8	1.965	2.922	8.0	21.4
8 19	22 44.04	−12 6.0	1.936	2.932	4.2	21.1
8 29	22 35.63	−12 55.0	1.934	2.942	1.3	21.0
9 8	22 27.22	−13 39.3	1.960	2.951	4.3	21.2
9 18	22 19.64	−14 14.5	2.014	2.960	7.9	21.4
9 28	22 13.65	−14 37.7	2.093	2.969	11.2	21.7
10 8	22 9.72	−14 47.4	2.193	2.977	13.9	21.9

488952 2005 UR_{182} 8 30.1 340.°78 2.°7/31.9 18

7 30	22 51.69	− 1 56.6	1.089	1.997	17.7	20.9
8 9	22 48.61	− 2 2.5	1.021	1.980	13.3	20.6
8 19	22 42.94	− 2 30.3	0.973	1.966	8.1	20.3
8 29	22 35.54	− 3 16.6	0.945	1.952	3.2	19.9
9 8	22 27.76	− 4 13.8	0.940	1.940	5.1	20.0
9 18	22 21.04	− 5 12.6	0.956	1.930	10.6	20.3
9 28	22 16.71	− 6 3.4	0.993	1.921	15.8	20.6
10 8	22 15.57	− 6 39.3	1.048	1.914	20.3	20.8

23494 1991 SE_2 8 30.1 14.°18 0.°5/30.5 18

7 30	22 51.17	− 5 5.7	0.898	1.823	18.7	16.5
8 9	22 48.26	− 5 40.9	0.858	1.829	13.4	16.3
8 19	22 42.65	− 6 36.6	0.837	1.837	7.4	16.0
8 29	22 35.50	− 7 44.3	0.836	1.846	1.1	15.6
9 8	22 28.35	− 8 52.7	0.857	1.857	5.4	16.0
9 18	22 22.68	− 9 51.1	0.898	1.870	11.3	16.3
9 28	22 19.66	−10 31.7	0.959	1.885	16.4	16.7
10 8	22 19.82	−10 50.7	1.037	1.901	20.6	17.0

380286 2002 BG_{23} 8 30.1 212.°98 2.°2/31.7 18

7 30	23 3.06	− 3 8.3	1.947	2.812	13.1	21.0
8 9	22 55.69	− 2 45.8	1.869	2.807	9.7	20.7
8 19	22 46.39	− 2 33.3	1.816	2.801	5.9	20.5
8 29	22 35.89	− 2 29.5	1.790	2.795	2.5	20.3
9 8	22 25.19	− 2 31.6	1.793	2.789	3.9	20.4
9 18	22 15.31	− 2 36.3	1.825	2.783	7.7	20.6
9 28	22 7.16	− 2 40.1	1.882	2.776	11.4	20.8
10 8	22 1.36	− 2 39.8	1.962	2.768	14.6	21.0

26661 Kempelen 8 30.1 184.°55 0.°1/30.3 18

7 30	22 56.75	− 4 44.7	1.456	2.351	14.9	19.2
8 9	22 51.61	− 5 45.3	1.395	2.351	10.7	19.0
8 19	22 44.30	− 7 2.6	1.355	2.351	5.9	18.7
8 29	22 35.68	− 8 29.6	1.341	2.351	0.7	18.3
9 8	22 26.88	− 9 56.8	1.353	2.350	4.6	18.6
9 18	22 19.09	−11 15.6	1.391	2.350	9.5	18.9
9 28	22 13.33	−12 18.8	1.452	2.349	13.9	19.2
10 8	22 10.23	−13 2.7	1.533	2.348	17.5	19.4

269427 2009 SU_{134} 8 30.1 170.°16 0.°0/30.2 17

7 30	22 58.68	− 6 53.9	1.646	2.537	13.7	21.2
8 9	22 52.76	− 7 20.8	1.584	2.538	9.8	21.0
8 19	22 44.84	− 7 58.6	1.544	2.539	5.3	20.7
8 29	22 35.73	− 8 42.4	1.531	2.540	0.6	20.4
9 8	22 26.51	− 9 25.9	1.544	2.541	4.2	20.6
9 18	22 18.24	−10 3.6	1.584	2.541	8.7	20.9
9 28	22 11.87	−10 30.8	1.648	2.542	12.7	21.2
10 8	22 7.99	−10 45.0	1.733	2.542	16.1	21.4

447713 2007 EW_{132} 8 30.1 201.°37 1.°7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.68	−13 49.8	2.681	3.570	9.1	22.1
8 9	22 50.76	−14 16.1	2.611	3.567	6.3	21.9
8 19	22 43.55	−14 44.8	2.567	3.563	3.5	21.7
8 29	22 35.60	−15 12.0	2.553	3.559	1.7	21.6
9 8	22 27.56	−15 34.4	2.568	3.554	3.9	21.8
9 18	22 20.10	−15 49.0	2.611	3.549	6.8	21.9
9 28	22 13.86	−15 53.9	2.681	3.544	9.5	22.1
10 8	22 9.25	−15 48.6	2.774	3.538	11.8	22.3

299661 2006 OX_{20} 8 30.1 243.°04 0.°4/30.6 18

7 30	22 56.20	− 5 57.7	2.009	2.893	11.9	20.5
8 9	22 50.78	− 6 20.4	1.938	2.888	8.5	20.3
8 19	22 43.70	− 6 53.0	1.890	2.884	4.7	20.1
8 29	22 35.62	− 7 31.7	1.870	2.879	0.8	19.8
9 8	22 27.39	− 8 11.7	1.877	2.874	3.5	20.0
9 18	22 19.89	− 8 48.2	1.912	2.869	7.4	20.2
9 28	22 13.89	− 9 17.1	1.972	2.864	11.0	20.4
10 8	22 9.94	− 9 35.6	2.054	2.859	14.0	20.6

396722 2002 XV_{117} 8 30.1 265.°50 4.°1/25.9 18

7 30	22 56.28	−18 29.3	2.016	2.922	10.9	21.3
8 9	22 50.94	−19 34.1	1.948	2.909	7.8	21.1
8 19	22 43.84	−20 40.0	1.904	2.895	5.0	20.9
8 29	22 35.64	−21 40.3	1.887	2.882	4.3	20.9
9 8	22 27.24	−22 28.5	1.898	2.868	6.7	21.0
9 18	22 19.57	−23 0.2	1.935	2.855	9.9	21.2
9 28	22 13.48	−23 13.0	1.995	2.841	13.0	21.3
10 8	22 9.55	−23 7.2	2.076	2.827	15.6	21.5

52809 1998 QQ_{91} 8 30.1 342.°72 2.°0/28.7 18

7 30	22 49.05	− 8 6.6	0.859	1.795	18.2	17.0
8 9	22 47.13	− 9 19.2	0.804	1.781	12.9	16.6
8 19	22 42.27	−10 53.9	0.766	1.768	6.8	16.3
8 29	22 35.49	−12 39.2	0.748	1.757	2.0	15.9
9 8	22 28.34	−14 19.7	0.751	1.747	7.3	16.2
9 18	22 22.51	−15 41.1	0.773	1.740	13.6	16.5
9 28	22 19.46	−16 33.6	0.814	1.734	19.2	16.8
10 8	22 19.97	−16 53.8	0.869	1.730	23.9	17.1

388575 2007 RO_{57} 8 30.1 118.°14 4.°6/ 4.2 18

7 30	22 53.72	+ 7 49.5	1.892	2.727	14.6	20.3
8 9	22 49.09	+ 7 19.0	1.821	2.730	11.6	20.1
8 19	22 42.81	+ 6 26.0	1.771	2.733	8.2	19.9
8 29	22 35.54	+ 5 12.7	1.746	2.735	5.4	19.7
9 8	22 28.13	+ 3 44.5	1.748	2.738	4.9	19.7
9 18	22 21.46	+ 2 8.9	1.777	2.740	7.4	19.9
9 28	22 16.33	+ 0 34.1	1.832	2.743	10.7	20.1
10 8	22 13.26	− 0 52.7	1.911	2.745	13.8	20.3

18033 1999 NR_4 8 30.1 3.°77 4.°5/ 2.9 18

7 30	22 55.53	+ 3 37.5	1.791	2.647	14.4	17.5
8 9	22 50.45	+ 3 57.0	1.723	2.646	11.2	17.3
8 19	22 43.58	+ 3 59.2	1.676	2.647	7.8	17.1
8 29	22 35.62	+ 3 45.0	1.654	2.647	5.0	16.9
9 8	22 27.52	+ 3 17.5	1.658	2.648	5.0	16.9
9 18	22 20.20	+ 2 41.6	1.688	2.650	7.8	17.1
9 28	22 14.53	+ 2 3.1	1.743	2.652	11.2	17.3
10 8	22 11.09	+ 1 27.7	1.819	2.655	14.3	17.5

256638 2007 VR_{307} 8 30.1 54.°29 3.°4/ 1.4 17

7 30	22 59.73	− 0 26.0	1.369	2.249	16.6	20.6
8 9	22 53.81	− 0 17.6	1.309	2.252	12.5	20.4
8 19	22 45.53	− 0 27.4	1.269	2.254	7.9	20.1
8 29	22 35.84	− 0 53.1	1.254	2.257	3.8	19.9
9 8	22 26.00	− 1 29.2	1.263	2.260	4.9	20.0
9 18	22 17.29	− 2 9.3	1.297	2.263	9.3	20.3
9 28	22 10.82	− 2 46.4	1.355	2.266	13.7	20.5
10 8	22 7.24	− 3 14.9	1.433	2.270	17.4	20.8

363056 1999 VA_{129} 8 30.1 114.°82 3.°8/ 3.5 18

7 30	22 53.32	+ 5 23.2	2.275	3.112	12.4	20.8
8 9	22 48.60	+ 5 11.3	2.201	3.113	9.7	20.6
8 19	22 42.47	+ 4 42.9	2.149	3.114	6.8	20.4
8 29	22 35.52	+ 3 59.8	2.124	3.115	4.3	20.3
9 8	22 28.45	+ 3 5.6	2.126	3.116	4.2	20.3
9 18	22 21.98	+ 2 5.2	2.156	3.117	6.5	20.4
9 28	22 16.79	+ 1 4.1	2.212	3.118	9.4	20.6
10 8	22 13.35	+ 0 7.5	2.293	3.119	12.1	20.8

241458 2008 YQ_{142} 8 30.1 42.°88 6.°1/24.2 18

7 30	22 55.00	−20 37.5	1.552	2.470	12.7	19.3
8 9	22 50.25	−22 22.3	1.516	2.481	9.2	19.1
8 19	22 43.49	−24 4.7	1.503	2.491	6.6	19.0
8 29	22 35.62	−25 34.3	1.516	2.502	6.5	19.0
9 8	22 27.76	−26 42.7	1.555	2.513	9.0	19.2
9 18	22 20.98	−27 25.2	1.617	2.525	12.2	19.4
9 28	22 16.19	−27 40.9	1.700	2.537	15.3	19.6
10 8	22 13.91	−27 31.9	1.802	2.549	17.8	19.8

120010 2003 AV_5 8 30.2 287°.19 0°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.56	− 8 9.5	1.532	2.433	13.9	19.3
8 9	22 51.64	− 8 58.2	1.451	2.412	10.0	19.0
8 19	22 44.46	−10 0.1	1.393	2.391	5.4	18.7
8 29	22 35.76	−11 9.0	1.360	2.369	0.9	18.3
9 8	22 26.64	−12 16.8	1.353	2.348	5.1	18.5
9 18	22 18.30	−13 15.6	1.371	2.326	10.0	18.8
9 28	22 11.89	−13 59.2	1.412	2.305	14.5	19.0
10 8	22 8.17	−14 24.2	1.473	2.283	18.4	19.2

298224 2002 UC_{36} 8 30.2 302°.53 9°.3/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.86	−32 49.7	1.793	2.689	12.5	20.2
8 9	22 53.77	−34 8.0	1.744	2.679	10.4	20.0
8 19	22 45.46	−35 13.7	1.718	2.669	9.3	19.9
8 29	22 35.84	−35 57.8	1.717	2.659	9.8	19.9
9 8	22 26.13	−36 14.3	1.739	2.649	11.6	20.0
9 18	22 17.53	−36 1.3	1.784	2.639	14.0	20.2
9 28	22 11.07	−35 20.4	1.849	2.629	16.4	20.3
10 8	22 7.32	−34 16.2	1.930	2.620	18.5	20.5

219325 2000 HR_8 8 30.2 140°.91 3°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.25	−15 29.1	1.878	2.777	11.8	19.9
8 9	22 53.63	−16 23.8	1.828	2.788	8.3	19.7
8 19	22 45.22	−17 20.5	1.803	2.798	4.7	19.5
8 29	22 35.82	−18 12.7	1.806	2.808	3.2	19.4
9 8	22 26.44	−18 54.2	1.836	2.817	5.8	19.6
9 18	22 18.03	−19 21.1	1.893	2.825	9.3	19.9
9 28	22 11.44	−19 31.4	1.975	2.833	12.5	20.1
10 8	22 7.16	−19 25.5	2.077	2.840	15.2	20.3

52418 1994 GX_{10} 8 30.2 139°.11 3°.0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.09	−17 25.6	2.518	3.414	9.4	19.8
8 9	22 51.06	−18 14.8	2.468	3.426	6.6	19.6
8 19	22 43.72	−19 4.1	2.445	3.437	4.0	19.5
8 29	22 35.67	−19 48.4	2.450	3.448	3.1	19.4
9 8	22 27.62	−20 23.7	2.484	3.458	5.0	19.6
9 18	22 20.28	−20 46.9	2.546	3.468	7.7	19.8
9 28	22 14.26	−20 56.5	2.634	3.478	10.2	20.0
10 8	22 10.01	−20 52.8	2.743	3.486	12.4	20.1

344739 2003 UF_{198} 8 30.2 355°.65 0°.7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.80	− 4 35.0	1.331	2.235	15.4	19.9
8 9	22 48.96	− 5 11.7	1.270	2.230	11.1	19.7
8 19	22 42.94	− 6 5.2	1.231	2.227	6.2	19.4
8 29	22 35.60	− 7 9.6	1.215	2.225	1.2	19.0
9 8	22 28.08	− 8 16.7	1.224	2.223	4.5	19.3
9 18	22 21.57	− 9 18.1	1.257	2.223	9.5	19.6
9 28	22 17.11	−10 6.7	1.313	2.223	14.0	19.8
10 8	22 15.32	−10 38.4	1.387	2.225	17.8	20.1

442910 2013 CR_{20} 8 30.2 290°.06 1°.4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.38	−10 25.3	1.877	2.776	11.9	21.3
8 9	22 50.32	−11 10.2	1.809	2.770	8.3	21.1
8 19	22 43.52	−12 2.7	1.766	2.764	4.4	20.8
8 29	22 35.66	−12 57.2	1.749	2.758	1.4	20.6
9 8	22 27.64	−13 47.6	1.760	2.752	4.6	20.8
9 18	22 20.39	−14 28.6	1.797	2.746	8.5	21.1
9 28	22 14.74	−14 56.3	1.858	2.740	12.1	21.3
10 8	22 11.25	−15 9.0	1.941	2.734	15.1	21.5

434100 2002 GQ_{119} 8 30.2 99°.16 0°.7/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.64	− 7 29.2	1.853	2.744	12.4	21.7
8 9	22 51.04	− 8 33.3	1.807	2.762	8.7	21.5
8 19	22 43.80	− 9 46.8	1.784	2.781	4.6	21.3
8 29	22 35.68	−11 3.3	1.789	2.799	0.8	21.0
9 8	22 27.59	−12 15.8	1.822	2.817	4.1	21.3
9 18	22 20.42	−13 18.4	1.883	2.834	8.1	21.6
9 28	22 14.91	−14 6.8	1.969	2.851	11.5	21.9
10 8	22 11.53	−14 39.1	2.076	2.867	14.4	22.1

390280 2012 YT_8 8 30.2 247°.22 1°.3/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 47.59	−14 17.1	4.514	5.406	5.6	21.1
8 9	22 44.06	−14 59.6	4.445	5.402	3.9	21.0
8 19	22 39.86	−15 43.7	4.403	5.398	2.2	20.8
8 29	22 35.27	−16 27.1	4.391	5.394	1.3	20.8
9 8	22 30.63	−17 7.2	4.408	5.390	2.7	20.9
9 18	22 26.26	−17 42.0	4.455	5.386	4.4	21.0
9 28	22 22.50	−18 9.9	4.529	5.381	6.1	21.1
10 8	22 19.60	−18 30.0	4.628	5.377	7.6	21.2

27327 Lindaplante 8 30.2 75°.51 0°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.89	− 6 56.1	1.435	2.331	15.0	18.8
8 9	22 53.61	− 7 30.2	1.394	2.351	10.6	18.5
8 19	22 45.26	− 8 15.7	1.376	2.372	5.7	18.3
8 29	22 35.83	− 9 6.4	1.382	2.392	0.6	18.0
9 8	22 26.54	− 9 54.9	1.416	2.413	4.5	18.4
9 18	22 18.51	−10 35.2	1.474	2.433	9.1	18.7
9 28	22 12.66	−11 3.0	1.557	2.453	13.2	19.0
10 8	22 9.46	−11 16.1	1.659	2.473	16.5	19.2

467 Laura 8 30.2 293°.37 1°.0/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.35	− 5 10.0	2.001	2.882	12.1	15.3
8 9	22 50.96	− 5 17.9	1.923	2.871	8.8	15.1
8 19	22 43.86	− 5 35.8	1.869	2.861	5.0	14.9
8 29	22 35.71	− 6 0.7	1.842	2.850	1.3	14.6
9 8	22 27.36	− 6 28.5	1.842	2.840	3.5	14.7
9 18	22 19.69	− 6 54.8	1.869	2.830	7.4	15.0
9 28	22 13.53	− 7 15.7	1.922	2.819	11.0	15.2
10 8	22 9.44	− 7 28.0	1.998	2.809	14.1	15.3

477546 2010 FT_{29} 8 30.2 120°.90 4°.0/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.02	−18 32.0	1.884	2.788	11.6	21.3
8 9	22 52.81	−19 19.6	1.833	2.793	8.2	21.1
8 19	22 44.81	−20 6.5	1.807	2.799	5.1	20.9
8 29	22 35.82	−20 46.3	1.808	2.805	4.1	20.9
9 8	22 26.83	−21 13.4	1.835	2.810	6.5	21.1
9 18	22 18.81	−21 24.7	1.889	2.815	9.7	21.3
9 28	22 12.57	−21 18.9	1.967	2.820	12.8	21.5
10 8	22 8.62	−20 57.1	2.065	2.825	15.4	21.7

457937 2009 UL_{151} 8 30.2 343°.38 9°.5/ 6.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.14	+13 28.2	1.655	2.467	17.3	20.5
8 9	22 49.83	+14 36.8	1.575	2.452	14.8	20.3
8 19	22 43.46	+15 21.8	1.513	2.439	12.2	20.1
8 29	22 35.71	+15 39.9	1.473	2.426	10.2	19.9
9 8	22 27.56	+15 30.8	1.456	2.415	9.5	19.9
9 18	22 20.11	+14 57.9	1.463	2.404	10.7	19.9
9 28	22 14.41	+14 8.0	1.492	2.395	13.2	20.0
10 8	22 11.18	+13 9.8	1.541	2.388	15.9	20.2

374897 2006 WK_{108} 8 30.2 306°.67 1°.7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.18	− 3 18.0	1.328	2.224	16.0	20.5
8 9	22 51.60	− 3 35.6	1.251	2.205	11.8	20.2
8 19	22 44.55	− 4 11.4	1.194	2.187	7.0	19.9
8 29	22 35.83	− 5 1.3	1.160	2.169	2.1	19.5
9 8	22 26.66	− 5 58.4	1.151	2.151	4.6	19.7
9 18	22 18.39	− 6 54.5	1.167	2.133	10.0	19.9
9 28	22 12.27	− 7 41.7	1.204	2.117	14.9	20.2
10 8	22 9.11	− 8 14.5	1.261	2.100	19.2	20.4

39688 1996 RG_5 8 30.2 315°.66 4°.4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.30	−13 2.4	1.147	2.074	15.5	17.1
8 9	22 49.87	−14 40.8	1.079	2.052	11.0	16.8
8 19	22 43.74	−16 33.5	1.031	2.031	6.3	16.5
8 29	22 35.75	−18 28.1	1.007	2.010	4.6	16.3
9 8	22 27.27	−20 10.5	1.006	1.990	8.7	16.5
9 18	22 19.81	−21 29.0	1.027	1.971	13.9	16.7
9 28	22 14.78	−22 16.5	1.067	1.952	18.7	17.0
10 8	22 13.03	−22 31.8	1.124	1.935	22.8	17.2

21664 Konradzuse 8 30.2 253°.55 4°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.96	−19 40.8	2.014	2.915	11.1	18.9
8 9	22 53.62	−20 30.1	1.940	2.898	8.0	18.7
8 19	22 45.37	−21 19.0	1.891	2.880	5.2	18.5
8 29	22 35.91	−22 0.9	1.869	2.863	4.5	18.4
9 8	22 26.23	−22 29.9	1.874	2.844	6.8	18.5
9 18	22 17.30	−22 42.3	1.906	2.826	10.0	18.7
9 28	22 10.07	−22 36.4	1.963	2.806	13.2	18.9
10 8	22 5.14	−22 13.2	2.039	2.787	16.0	19.0

188783 2005 VB_{26} 8 30.2 178°.64 0°.4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.37	− 8 19.8	2.259	3.145	10.6	20.9
8 9	22 50.05	− 8 52.2	2.192	3.146	7.5	20.7
8 19	22 43.29	− 9 31.7	2.150	3.146	4.0	20.5
8 29	22 35.69	−10 14.5	2.137	3.146	0.5	20.2
9 8	22 28.00	−10 55.9	2.151	3.146	3.5	20.5
9 18	22 20.97	−11 31.7	2.194	3.146	7.0	20.7
9 28	22 15.28	−11 58.5	2.262	3.146	10.2	20.9
10 8	22 11.43	−12 14.4	2.353	3.145	12.9	21.1

139175 2001 FN_{132} 8 30.2 242°.53 2°.2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.38	−10 41.1	1.543	2.447	13.6	20.4
8 9	22 52.10	−11 50.4	1.477	2.440	9.6	20.1
8 19	22 44.65	−13 9.9	1.435	2.433	5.1	19.8
8 29	22 35.85	−14 31.8	1.418	2.426	2.2	19.6
9 8	22 26.80	−15 46.8	1.428	2.418	5.8	19.9
9 18	22 18.69	−16 47.5	1.464	2.410	10.3	20.1
9 28	22 12.55	−17 29.0	1.522	2.402	14.4	20.3
10 8	22 9.05	−17 49.5	1.600	2.393	17.9	20.5

146009 2000 CR_{76} 8 30.2 139°.19 1°.0/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.91	− 9 2.1	1.768	2.660	12.8	20.4
8 9	22 52.80	− 9 50.7	1.713	2.669	9.0	20.2
8 19	22 44.85	−10 47.8	1.681	2.678	4.8	20.0
8 29	22 35.86	−11 47.5	1.677	2.686	1.0	19.7
9 8	22 26.83	−12 43.0	1.701	2.694	4.5	20.0
9 18	22 18.75	−13 28.9	1.751	2.702	8.6	20.3
9 28	22 12.48	−14 1.1	1.827	2.709	12.3	20.5
10 8	22 8.55	−14 18.0	1.923	2.715	15.3	20.7

284804 2008 YH_{123} 8 30.2 305°.07 2°.2/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.78	− 1 30.9	1.697	2.575	14.0	20.8
8 9	22 50.80	− 1 44.6	1.623	2.567	10.4	20.6
8 19	22 43.89	− 2 13.9	1.572	2.559	6.4	20.3
8 29	22 35.78	− 2 55.6	1.545	2.551	2.6	20.1
9 8	22 27.43	− 3 44.5	1.545	2.544	3.9	20.1
9 18	22 19.87	− 4 34.5	1.572	2.536	8.1	20.4
9 28	22 14.04	− 5 19.4	1.623	2.529	12.1	20.6
10 8	22 10.56	− 5 54.5	1.695	2.522	15.6	20.8

257188 2008 KE_{11} 8 30.2 278°.23 3°.4/26.3 18

7 30	22 54.03	−16 37.7	2.167	3.072	10.2	20.2
8 9	22 49.23	−17 46.7	2.106	3.068	7.2	20.0
8 19	22 42.90	−18 57.9	2.070	3.064	4.4	19.8
8 29	22 35.66	−20 5.0	2.062	3.060	3.5	19.7
9 8	22 28.30	−21 2.0	2.081	3.055	5.8	19.9
9 18	22 21.62	−21 44.6	2.127	3.051	8.9	20.1
9 28	22 16.35	−22 10.0	2.197	3.047	11.8	20.2
10 8	22 12.98	−22 18.1	2.288	3.043	14.3	20.4

429699 2011 HX_{62} 8 30.2 94°.50 7°.8/23.4 18

7 30	23 1.45	−27 57.6	1.696	2.599	12.7	20.3
8 9	22 54.70	−29 13.4	1.664	2.612	9.9	20.1
8 19	22 45.87	−30 18.8	1.656	2.625	8.0	20.1
8 29	22 35.97	−31 5.2	1.673	2.637	8.2	20.1
9 8	22 26.20	−31 26.9	1.715	2.650	10.1	20.2
9 18	22 17.71	−31 22.5	1.781	2.662	12.7	20.4
9 28	22 11.40	−30 53.5	1.868	2.675	15.3	20.6
10 8	22 7.75	−30 4.0	1.972	2.686	17.5	20.8

2323 Zverev 8 30.2 244°.96 0°.9/29.1 18

7 30	22 55.23	−10 36.5	2.542	3.430	9.6	16.3
8 9	22 49.89	−11 6.3	2.464	3.419	6.7	16.1
8 19	22 43.21	−11 41.1	2.411	3.407	3.6	15.9
8 29	22 35.70	−12 17.3	2.387	3.396	0.9	15.7
9 8	22 28.04	−12 51.0	2.392	3.384	3.5	15.9
9 18	22 20.93	−13 18.5	2.425	3.372	6.7	16.1
9 28	22 15.00	−13 37.1	2.484	3.359	9.7	16.2
10 8	22 10.74	−13 45.3	2.567	3.347	12.2	16.4

252113 2000 WT_{35} 8 30.2 321°.31 0°.4/29.8 17

7 30	22 52.36	− 6 52.7	1.671	2.571	13.0	20.5
8 9	22 48.52	− 7 40.4	1.587	2.547	9.3	20.3
8 19	22 42.73	− 8 41.8	1.526	2.523	5.1	20.0
8 29	22 35.66	− 9 51.4	1.490	2.500	0.5	19.6
9 8	22 28.24	−11 1.9	1.480	2.477	4.4	19.8
9 18	22 21.49	−12 6.0	1.496	2.455	9.0	20.0
9 28	22 16.39	−12 57.2	1.536	2.434	13.2	20.2
10 8	22 13.63	−13 31.6	1.596	2.413	16.9	20.4

378643 2008 FT_{137} 8 30.2 76°.74 2°.5/ 1.2 17

7 30	22 58.18	− 0 19.0	1.468	2.346	15.8	20.7
8 9	22 52.46	− 0 43.7	1.420	2.363	11.7	20.5
8 19	22 44.71	− 1 26.9	1.393	2.380	7.1	20.3
8 29	22 35.86	− 2 23.8	1.391	2.397	3.0	20.1
9 8	22 27.04	− 3 27.4	1.416	2.414	4.2	20.2
9 18	22 19.36	− 4 30.2	1.465	2.431	8.5	20.5
9 28	22 13.73	− 5 25.2	1.540	2.447	12.5	20.8
10 8	22 10.68	− 6 7.7	1.635	2.464	16.0	21.1

34924 6109 *P–L* 8 30.2 61°.82 0°.1/30.1 18

7 30	22 58.84	− 7 35.8	1.499	2.396	14.4	18.3
8 9	22 52.95	− 7 57.8	1.448	2.406	10.2	18.1
8 19	22 44.99	− 8 30.3	1.420	2.416	5.5	17.8
8 29	22 35.89	− 9 7.9	1.417	2.426	0.6	17.5
9 8	22 26.80	− 9 44.3	1.440	2.437	4.4	17.8
9 18	22 18.83	−10 13.9	1.489	2.448	9.0	18.1
9 28	22 12.92	−10 32.8	1.561	2.459	13.1	18.4
10 8	22 9.62	−10 38.6	1.654	2.470	16.4	18.6

177778 2005 KX_{6} 8 30.2 42°.13 1°.1/30.9 17

7 30	22 56.93	− 3 56.8	1.114	2.019	17.6	19.4
8 9	22 51.93	− 4 30.9	1.077	2.037	12.7	19.2
8 19	22 44.53	− 5 23.2	1.060	2.056	7.1	18.9
8 29	22 35.83	− 6 26.5	1.066	2.075	1.6	18.6
9 8	22 27.28	− 7 31.1	1.096	2.095	4.8	18.9
9 18	22 20.18	− 8 28.4	1.149	2.116	10.0	19.3
9 28	22 15.54	− 9 11.6	1.224	2.137	14.6	19.6
10 8	22 13.87	− 9 37.3	1.317	2.159	18.4	19.9

126108 2001 YA_{110} 8 30.2 133°.61 1°.5/31.5 18

7 30	22 59.24	− 3 21.0	1.892	2.765	13.0	19.7
8 9	22 52.95	− 3 31.8	1.831	2.774	9.5	19.5
8 19	22 44.91	− 3 54.6	1.794	2.782	5.6	19.2
8 29	22 35.89	− 4 25.9	1.783	2.791	1.8	19.0
9 8	22 26.81	− 5 1.1	1.801	2.798	3.6	19.2
9 18	22 18.62	− 5 35.5	1.845	2.806	7.5	19.4
9 28	22 12.11	− 6 4.5	1.916	2.813	11.1	19.6
10 8	22 7.81	− 6 25.0	2.009	2.819	14.1	19.9

200451 2000 WN_{21} 8 30.2 329°.40 3°.0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.84	−13 6.6	1.287	2.206	14.7	19.5
8 9	22 50.68	−13 54.5	1.219	2.189	10.4	19.2
8 19	22 44.05	−14 50.8	1.173	2.172	5.7	18.9
8 29	22 35.82	−15 47.2	1.150	2.157	3.1	18.7
9 8	22 27.26	−16 34.7	1.152	2.142	6.8	18.9
9 18	22 19.71	−17 6.0	1.176	2.128	11.7	19.1
9 28	22 14.40	−17 16.9	1.222	2.115	16.2	19.3
10 8	22 12.07	−17 6.2	1.285	2.103	20.1	19.6

273354 2006 US_{89} 8 30.2 251°.87 1°.3/29.2 17

7 30	22 59.37	−10 1.8	1.631	2.529	13.4	21.4
8 9	22 53.48	−10 38.6	1.558	2.517	9.5	21.1
8 19	22 45.41	−11 24.3	1.508	2.505	5.1	20.8
8 29	22 35.96	−12 13.1	1.484	2.493	1.3	20.5
9 8	22 26.23	−12 58.3	1.486	2.480	5.0	20.8
9 18	22 17.38	−13 33.7	1.515	2.467	9.6	21.0
9 28	22 10.45	−13 55.3	1.568	2.454	13.7	21.2
10 8	22 6.14	−14 1.0	1.641	2.440	17.2	21.4

122593 2000 RS_{30} 8 30.2 322°.53 0°.2/30.3 18

7 30	23 1.59	− 8 58.8	1.450	2.347	14.8	19.3
8 9	22 55.20	− 8 42.1	1.380	2.337	10.6	19.0
8 19	22 46.39	− 8 32.7	1.332	2.327	5.9	18.7
8 29	22 36.07	− 8 27.3	1.308	2.318	0.7	18.3
9 8	22 25.49	− 8 21.8	1.311	2.309	4.6	18.6
9 18	22 15.98	− 8 12.6	1.340	2.301	9.6	18.9
9 28	22 8.68	− 7 56.6	1.392	2.293	14.1	19.1
10 8	22 4.29	− 7 32.1	1.464	2.286	17.9	19.4

128206 2003 SU_{58} 8 30.2 319°.94 4°.1/ 3.6 18

7 30	22 53.92	+ 5 30.1	2.292	3.127	12.4	19.5
8 9	22 49.07	+ 5 31.4	2.215	3.125	9.7	19.3
8 19	22 42.80	+ 5 16.9	2.161	3.124	6.9	19.2
8 29	22 35.68	+ 4 47.6	2.133	3.122	4.6	19.0
9 8	22 28.42	+ 4 6.7	2.132	3.120	4.4	19.0
9 18	22 21.74	+ 3 18.5	2.159	3.119	6.6	19.1
9 28	22 16.33	+ 2 28.0	2.212	3.117	9.4	19.3
10 8	22 12.69	+ 1 40.3	2.289	3.116	12.1	19.5

26442 Matfernandez 8 30.2 85°.99 1°.4/28.9 18

7 30	22 58.41	−11 20.3	1.836	2.732	12.2	18.4
8 9	22 52.36	−11 51.0	1.785	2.744	8.5	18.2
8 19	22 44.58	−12 27.1	1.759	2.756	4.5	18.0
8 29	22 35.87	−13 3.3	1.759	2.768	1.4	17.8
9 8	22 27.18	−13 34.5	1.787	2.780	4.5	18.1
9 18	22 19.45	−13 56.4	1.842	2.791	8.4	18.3
9 28	22 13.46	−14 6.4	1.922	2.803	11.8	18.6
10 8	22 9.71	−14 3.6	2.023	2.814	14.7	18.8

386373 2008 TV_{164} 8 30.2 260°.35 6°.5/ 5.2 18

7 30	22 55.89	+10 14.7	1.836	2.656	15.6	21.1
8 9	22 50.86	+10 24.7	1.753	2.647	12.8	20.9
8 19	22 43.95	+10 11.5	1.691	2.637	9.7	20.7
8 29	22 35.82	+ 9 34.9	1.652	2.628	7.2	20.5
9 8	22 27.39	+ 8 37.9	1.639	2.618	6.6	20.5
9 18	22 19.66	+ 7 26.2	1.652	2.608	8.5	20.6
9 28	22 13.53	+ 6 7.6	1.690	2.598	11.6	20.7
10 8	22 9.67	+ 4 50.3	1.750	2.588	14.7	20.9

363508 2003 UX_{47} 8 30.2 319°.90 6°.7/ 6.8 18

7 30	22 52.16	+13 31.1	2.176	2.972	14.2	20.0
8 9	22 47.98	+13 37.4	2.090	2.962	11.9	19.8
8 19	22 42.29	+13 21.7	2.025	2.953	9.5	19.6
8 29	22 35.64	+12 43.5	1.984	2.944	7.4	19.5
9 8	22 28.77	+11 45.3	1.967	2.935	6.7	19.4
9 18	22 22.46	+10 32.0	1.977	2.926	7.9	19.5
9 28	22 17.46	+ 9 10.1	2.013	2.918	10.2	19.6
10 8	22 14.32	+ 7 47.1	2.072	2.910	12.7	19.8

38861 2000 SB_{104} 8 30.2 271°.03 0°.1/30.1 18

7 30	22 57.91	− 7 26.4	1.745	2.636	13.0	19.6
8 9	22 52.35	− 7 52.1	1.666	2.621	9.3	19.3
8 19	22 44.78	− 8 28.3	1.611	2.606	5.1	19.0
8 29	22 35.92	− 9 10.5	1.581	2.591	0.5	18.7
9 8	22 26.76	− 9 52.7	1.579	2.576	4.2	18.9
9 18	22 18.36	−10 29.5	1.603	2.560	8.7	19.2
9 28	22 11.71	−10 56.2	1.652	2.544	12.8	19.4
10 8	22 7.47	−11 9.8	1.721	2.529	16.2	19.6

22799 1999 NH_{21} 8 30.2 351°.34 8°.5/24.3 18

7 30	22 52.27	−21 23.8	0.906	1.848	16.8	17.6
8 9	22 49.44	−22 55.9	0.862	1.838	12.5	17.3
8 19	22 43.56	−24 26.2	0.837	1.830	9.1	17.1
8 29	22 35.79	−25 39.5	0.832	1.823	9.0	17.1
9 8	22 27.84	−26 22.9	0.847	1.818	12.3	17.3
9 18	22 21.43	−26 30.1	0.880	1.815	16.8	17.5
9 28	22 17.95	−26 1.0	0.931	1.814	21.0	17.8
10 8	22 18.03	−25 0.5	0.996	1.815	24.6	18.0

488016 2015 UL_9 8 30.2 284.°94 4.°1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 52.19	+ 7 20.4	2.235	3.065	12.8	21.5
8 9	22 47.98	+ 6 51.2	2.142	3.049	10.2	21.3
8 19	22 42.29	+ 6 2.2	2.073	3.033	7.3	21.1
8 29	22 35.65	+ 4 55.1	2.029	3.017	4.8	20.9
9 8	22 28.77	+ 3 34.0	2.012	3.002	4.4	20.9
9 18	22 22.41	+ 2 4.9	2.023	2.986	6.7	21.0
9 28	22 17.29	+ 0 34.7	2.062	2.970	9.8	21.2
10 8	22 13.96	− 0 50.0	2.124	2.954	12.7	21.3

401209 2011 YO_{26} 8 30.2 162.°62 1.°8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.33	−13 2.8	2.919	3.811	8.4	21.3
8 9	22 48.39	−14 8.0	2.859	3.816	5.8	21.1
8 19	22 42.34	−15 16.6	2.825	3.821	3.2	21.0
8 29	22 35.65	−16 24.1	2.821	3.825	1.9	20.9
9 8	22 28.90	−17 26.0	2.847	3.829	3.9	21.0
9 18	22 22.64	−18 18.8	2.902	3.833	6.5	21.2
9 28	22 17.41	−18 59.7	2.984	3.836	8.9	21.4
10 8	22 13.62	−19 27.7	3.088	3.839	11.0	21.6

516750 2009 SO_{135} 8 30.2 324.°50 6.°1/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.89	−27 7.4	2.126	3.023	10.8	21.2
8 9	22 53.41	−27 42.9	2.069	3.017	8.3	21.1
8 19	22 45.18	−28 10.8	2.037	3.010	6.4	20.9
8 29	22 35.96	−28 25.2	2.032	3.004	6.3	20.9
9 8	22 26.73	−28 21.9	2.053	2.998	8.0	21.0
9 18	22 18.42	−27 59.4	2.099	2.993	10.5	21.2
9 28	22 11.84	−27 18.3	2.169	2.987	13.0	21.3
10 8	22 7.49	−26 21.2	2.259	2.982	15.3	21.5

384480 2010 CA_{42} 8 30.2 170.°01 0.°9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.47	− 8 26.2	2.143	3.030	11.1	21.8
8 9	22 50.92	− 9 24.5	2.079	3.034	7.8	21.6
8 19	22 43.83	−10 31.1	2.041	3.037	4.1	21.3
8 29	22 35.83	−11 40.7	2.030	3.040	0.9	21.1
9 8	22 27.73	−12 47.3	2.049	3.042	3.9	21.3
9 18	22 20.34	−13 45.5	2.095	3.043	7.6	21.6
9 28	22 14.39	−14 31.3	2.168	3.044	10.9	21.8
10 8	22 10.39	−15 2.6	2.262	3.045	13.6	22.0

482132 2010 RF_{100} 8 30.2 249.°11 1.°1/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.09	−11 20.9	2.426	3.314	10.0	22.4
8 9	22 51.29	−11 43.1	2.346	3.301	7.0	22.2
8 19	22 44.02	−12 9.8	2.291	3.287	3.8	21.9
8 29	22 35.85	−12 37.4	2.265	3.273	1.1	21.7
9 8	22 27.51	−13 1.8	2.268	3.259	3.7	21.9
9 18	22 19.75	−13 19.7	2.299	3.245	7.1	22.1
9 28	22 13.27	−13 28.6	2.356	3.230	10.2	22.3
10 8	22 8.59	−13 27.1	2.436	3.216	12.8	22.4

274753 2008 UD_{277} 8 30.2 239.°87 2.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.07	+ 3 31.6	2.708	3.549	10.5	21.0
8 9	22 47.61	+ 3 14.2	2.628	3.545	8.1	20.8
8 19	22 41.97	+ 2 43.7	2.572	3.542	5.5	20.6
8 29	22 35.63	+ 2 1.9	2.543	3.539	3.3	20.5
9 8	22 29.18	+ 1 12.0	2.542	3.535	3.3	20.5
9 18	22 23.20	+ 0 18.0	2.570	3.532	5.6	20.6
9 28	22 18.26	− 0 35.7	2.626	3.528	8.2	20.8
10 8	22 14.78	− 1 25.1	2.705	3.524	10.6	21.0

180820 2005 FH_{11} 8 30.2 1.°68 5.°2/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.85	−17 43.0	1.011	1.942	16.7	19.4
8 9	22 53.08	−18 19.9	0.966	1.939	11.9	19.1
8 19	22 45.39	−18 57.4	0.940	1.938	7.2	18.8
8 29	22 36.00	−19 25.5	0.936	1.938	5.3	18.7
9 8	22 26.58	−19 35.7	0.953	1.939	8.7	18.9
9 18	22 18.74	−19 23.6	0.992	1.942	13.6	19.2
9 28	22 13.75	−18 48.7	1.051	1.946	18.1	19.5
10 8	22 12.20	−17 53.8	1.125	1.952	21.8	19.8

215611 2003 SN_{90} 8 30.2 326.°27 1.°4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 51.52	− 7 10.2	1.067	1.989	16.8	19.4
8 9	22 48.68	− 8 23.2	0.998	1.969	12.0	19.1
8 19	22 43.15	− 9 57.9	0.949	1.950	6.4	18.7
8 29	22 35.79	−11 44.9	0.922	1.931	1.4	18.3
9 8	22 27.95	−13 30.8	0.918	1.914	6.5	18.6
9 18	22 21.15	−15 2.4	0.936	1.898	12.4	18.9
9 28	22 16.80	−16 9.6	0.973	1.883	17.8	19.1
10 8	22 15.75	−16 47.8	1.027	1.870	22.4	19.4

21842 1999 TH_{102} 8 30.2 71.°10 3.°9/25.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.44	−17 7.1	2.051	2.958	10.6	16.8
8 9	22 49.47	−18 40.4	2.015	2.977	7.5	16.6
8 19	22 43.01	−20 14.2	2.004	2.996	4.7	16.5
8 29	22 35.74	−21 40.8	2.021	3.016	4.1	16.5
9 8	22 28.49	−22 53.8	2.066	3.035	6.4	16.7
9 18	22 22.06	−23 48.7	2.138	3.054	9.3	16.9
9 28	22 17.15	−24 23.6	2.234	3.073	12.0	17.1
10 8	22 14.18	−24 38.8	2.349	3.092	14.2	17.3

69348 1993 UH_8 8 30.2 253.°87 1.°7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.20	− 9 0.5	1.433	2.338	14.5	19.7
8 9	22 52.11	−10 8.7	1.369	2.332	10.2	19.5
8 19	22 44.75	−11 29.7	1.327	2.325	5.4	19.2
8 29	22 35.95	−12 55.5	1.310	2.319	1.7	18.9
9 8	22 26.91	−14 16.2	1.319	2.312	5.6	19.2
9 18	22 18.85	−15 23.4	1.354	2.305	10.5	19.4
9 28	22 12.88	−16 11.3	1.411	2.298	14.8	19.7
10 8	22 9.67	−16 37.6	1.487	2.291	18.5	19.9

515495 2014 DV_{66} 8 30.2 271.°54 3.°6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.82	−16 25.0	1.846	2.749	11.8	22.1
8 9	22 53.04	−17 21.1	1.765	2.726	8.4	21.9
8 19	22 45.20	−18 20.9	1.709	2.703	5.0	21.6
8 29	22 36.01	−19 17.4	1.679	2.679	3.8	21.5
9 8	22 26.46	−20 3.3	1.676	2.655	6.5	21.6
9 18	22 17.63	−20 33.6	1.700	2.631	10.3	21.8
9 28	22 10.53	−20 45.0	1.747	2.606	13.9	22.0
10 8	22 5.85	−20 37.6	1.814	2.580	17.0	22.2

61796 2000 QM_{183} 8 30.2 302.°13 1.°3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.89	− 1 41.9	1.999	2.874	12.3	19.2
8 9	22 48.54	− 2 30.3	1.924	2.868	9.0	19.0
8 19	22 42.61	− 3 33.6	1.874	2.863	5.3	18.8
8 29	22 35.72	− 4 47.7	1.850	2.858	1.7	18.5
9 8	22 28.66	− 6 6.3	1.854	2.853	3.3	18.6
9 18	22 22.25	− 7 22.9	1.885	2.847	7.2	18.9
9 28	22 17.25	− 8 31.4	1.943	2.842	10.8	19.1
10 8	22 14.20	− 9 27.3	2.022	2.838	13.9	19.3

79689 1998 SK_{59} 8 30.2 5.°31 1.°9/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.44	−10 30.7	0.960	1.891	17.4	17.7
8 9	22 49.96	−11 3.7	0.916	1.890	12.2	17.4
8 19	22 43.71	−11 48.3	0.889	1.891	6.5	17.1
8 29	22 35.84	−12 35.9	0.884	1.893	1.9	16.8
9 8	22 27.89	−13 16.7	0.901	1.897	6.4	17.2
9 18	22 21.40	−13 42.9	0.938	1.903	12.1	17.5
9 28	22 17.57	−13 49.7	0.996	1.911	17.0	17.8
10 8	22 17.01	−13 36.1	1.070	1.920	21.1	18.1

253447 2003 RJ_{16} 8 30.2 300.°46 3.°3/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.21	+ 1 19.2	1.305	2.188	17.0	20.4
8 9	22 50.98	+ 0 55.7	1.228	2.172	13.0	20.1
8 19	22 44.28	+ 0 7.7	1.170	2.155	8.3	19.8
8 29	22 35.93	− 1 1.9	1.135	2.139	4.0	19.5
9 8	22 27.12	− 2 25.5	1.125	2.123	4.9	19.5
9 18	22 19.20	− 3 53.3	1.138	2.108	9.8	19.7
9 28	22 13.41	− 5 14.9	1.175	2.092	14.7	20.0
10 8	22 10.59	− 6 21.9	1.230	2.077	19.1	20.2

323623 2004 VM_{54} 8 30.2 296.°50 3.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.10	+ 2 26.6	2.186	3.035	12.4	20.3
8 9	22 50.75	+ 2 43.0	2.101	3.023	9.6	20.0
8 19	22 43.81	+ 2 45.8	2.040	3.011	6.6	19.8
8 29	22 35.87	+ 2 35.7	2.004	2.999	4.0	19.7
9 8	22 27.68	+ 2 15.4	1.996	2.987	4.2	19.7
9 18	22 20.07	+ 1 48.4	2.015	2.975	6.9	19.8
9 28	22 13.81	+ 1 19.2	2.060	2.963	10.1	20.0
10 8	22 9.47	+ 0 52.3	2.129	2.952	13.0	20.2

131147 2001 BD_{75} 8 30.2 284.°47 3.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.44	+ 4 48.9	1.857	2.707	14.2	19.5
8 9	22 49.97	+ 4 0.4	1.754	2.677	11.1	19.2
8 19	22 43.58	+ 2 47.7	1.673	2.647	7.5	19.0
8 29	22 35.85	+ 1 13.2	1.617	2.616	4.1	18.7
9 8	22 27.65	− 0 37.1	1.589	2.585	4.3	18.6
9 18	22 19.95	− 2 34.7	1.589	2.554	8.0	18.8
9 28	22 13.73	− 4 29.7	1.615	2.522	12.1	19.0
10 8	22 9.75	− 6 13.5	1.664	2.490	15.9	19.1

97208 1999 XK_{33} 8 30.2 162.°42 13.°1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.03	−30 43.3	1.143	2.060	16.3	19.0
8 9	22 55.66	−34 24.0	1.117	2.063	13.8	18.9
8 19	22 46.99	−37 47.7	1.116	2.066	13.2	18.9
8 29	22 36.22	−40 33.4	1.137	2.068	14.7	19.0
9 8	22 25.17	−42 27.7	1.180	2.070	17.4	19.2
9 18	22 15.74	−43 27.2	1.242	2.072	20.4	19.4
9 28	22 9.45	−43 37.0	1.319	2.073	23.0	19.6
10 8	22 7.03	−43 6.2	1.406	2.073	25.2	19.8

245584 2005 UG_{373} 8 30.2 15.°49 1.°4/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.02	− 4 21.7	1.018	1.928	18.5	19.9
8 9	22 53.15	− 4 36.2	0.968	1.929	13.5	19.6
8 19	22 45.45	− 5 10.0	0.936	1.932	7.7	19.3
8 29	22 36.05	− 5 57.2	0.926	1.935	1.9	19.0
9 8	22 26.51	− 6 49.1	0.939	1.939	5.2	19.2
9 18	22 18.42	− 7 36.3	0.974	1.943	11.0	19.6
9 28	22 13.07	− 8 11.3	1.029	1.948	16.2	19.9
10 8	22 11.12	− 8 29.7	1.102	1.954	20.5	20.2

514205 2015 MJ_{136} 8 30.2 1.°71 2.°9/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.20	−13 34.0	1.658	2.567	12.6	21.1
8 9	22 50.39	−14 34.1	1.602	2.567	8.8	20.9
8 19	22 43.68	−15 39.6	1.569	2.567	4.9	20.6
8 29	22 35.85	−16 43.3	1.562	2.567	2.9	20.5
9 8	22 27.92	−17 37.7	1.581	2.567	5.9	20.7
9 18	22 20.90	−18 17.4	1.626	2.568	9.8	20.9
9 28	22 15.69	−18 38.9	1.694	2.569	13.4	21.2
10 8	22 12.85	−18 41.9	1.782	2.570	16.5	21.4

345452 2006 EQ_{40} 8 30.2 55.°34 1.°1/31.0 16

7 30	22 58.37	− 4 55.4	1.539	2.428	14.5	20.8
8 9	22 52.57	− 5 8.0	1.490	2.442	10.5	20.6
8 19	22 44.81	− 5 33.1	1.463	2.456	5.9	20.3
8 29	22 35.97	− 6 6.5	1.462	2.470	1.4	20.1
9 8	22 27.16	− 6 42.2	1.486	2.485	4.0	20.3
9 18	22 19.45	− 7 14.8	1.537	2.500	8.4	20.6
9 28	22 13.73	− 7 39.5	1.612	2.515	12.4	20.9
10 8	22 10.50	− 7 53.3	1.707	2.530	15.7	21.1

130913 2000 VX_{62} 8 30.2 221.°94 11.°5/18.7 18

7 30	23 6.91	−41 53.8	1.947	2.807	13.3	19.7
8 9	22 58.80	−43 9.3	1.910	2.802	12.0	19.6
8 19	22 48.24	−44 4.5	1.896	2.797	11.5	19.5
8 29	22 36.35	−44 30.8	1.905	2.792	12.0	19.6
9 8	22 24.53	−44 23.8	1.937	2.787	13.4	19.6
9 18	22 14.16	−43 43.9	1.989	2.781	15.1	19.8
9 28	22 6.30	−42 35.0	2.061	2.775	16.9	19.9
10 8	22 1.48	−41 3.3	2.148	2.769	18.5	20.0

51590 2001 HF_{14} 8 30.2 140.°52 0.°4/29.9 18

7 30	23 0.18	− 7 49.2	1.660	2.550	13.6	19.9
8 9	22 53.84	− 8 22.0	1.603	2.558	9.6	19.7
8 19	22 45.52	− 9 4.8	1.569	2.565	5.2	19.5
8 29	22 36.06	− 9 51.9	1.562	2.572	0.6	19.1
9 8	22 26.56	−10 37.1	1.582	2.578	4.3	19.4
9 18	22 18.07	−11 14.7	1.629	2.584	8.7	19.7
9 28	22 11.51	−11 40.7	1.700	2.590	12.6	20.0
10 8	22 7.45	−11 53.0	1.792	2.595	15.9	20.2

316772 1999 TR_{72} 8 30.2 230.°02 2.°9/26.8 18

7 30	22 55.30	−17 4.0	2.517	3.415	9.3	21.4
8 9	22 50.00	−17 53.6	2.449	3.408	6.5	21.2
8 19	22 43.32	−18 44.4	2.407	3.400	3.9	21.0
8 29	22 35.83	−19 31.5	2.393	3.392	3.0	21.0
9 8	22 28.21	−20 10.2	2.408	3.384	5.1	21.1
9 18	22 21.18	−20 37.3	2.451	3.375	7.8	21.2
9 28	22 15.40	−20 50.6	2.519	3.367	10.5	21.4
10 8	22 11.34	−20 49.8	2.608	3.358	12.8	21.6

399149 2014 ES_{45} 8 30.2 97.°00 2.°7/27.7 17

7 30	22 57.73	−14 27.0	1.921	2.822	11.5	21.2
8 9	22 51.87	−15 16.2	1.873	2.834	8.0	21.0
8 19	22 44.35	−16 8.2	1.851	2.847	4.5	20.8
8 29	22 35.93	−16 56.9	1.855	2.859	2.7	20.7
9 8	22 27.54	−17 36.7	1.887	2.871	5.3	20.9
9 18	22 20.06	−18 3.6	1.945	2.883	8.8	21.1
9 28	22 14.25	−18 15.5	2.028	2.895	11.9	21.4
10 8	22 10.60	−18 12.2	2.132	2.906	14.6	21.6

309502 2007 VG_{312} 8 30.2 290.°55 3.°7/26.5 18

7 30	22 55.55	−16 37.5	1.896	2.803	11.3	20.7
8 9	22 50.55	−17 42.1	1.831	2.795	8.0	20.5
8 19	22 43.77	−18 49.4	1.791	2.786	4.8	20.3
8 29	22 35.89	−19 52.5	1.778	2.777	3.8	20.2
9 8	22 27.84	−20 44.5	1.791	2.768	6.4	20.4
9 18	22 20.57	−21 20.6	1.831	2.759	9.8	20.6
9 28	22 14.92	−21 38.2	1.894	2.750	13.1	20.7
10 8	22 11.47	−21 37.0	1.976	2.742	15.8	20.9

301807 2011 NQ_{2} 8 30.2 355.°91 1.°0/29.2 18

7 30	22 52.91	− 6 33.3	1.625	2.525	13.3	19.9
8 9	22 48.82	− 8 0.1	1.563	2.523	9.4	19.7
8 19	22 42.88	− 9 41.4	1.525	2.522	5.0	19.4
8 29	22 35.80	−11 29.2	1.512	2.522	1.0	19.2
9 8	22 28.56	−13 13.9	1.527	2.521	4.8	19.4
9 18	22 22.15	−14 46.5	1.568	2.521	9.2	19.7
9 28	22 17.46	−16 0.7	1.634	2.521	13.1	19.9
10 8	22 15.08	−16 53.1	1.719	2.522	16.4	20.2

378689 2008 KT_{4} 8 30.2 235.°45 1.°8/28.6 18

7 30	22 56.45	− 9 30.9	1.584	2.486	13.5	21.0
8 9	22 51.41	−10 43.2	1.521	2.483	9.5	20.7
8 19	22 44.32	−12 6.7	1.481	2.479	5.0	20.4
8 29	22 35.97	−13 33.4	1.467	2.475	1.8	20.2
9 8	22 27.42	−14 54.5	1.480	2.471	5.4	20.5
9 18	22 19.78	−16 2.3	1.518	2.467	9.8	20.7
9 28	22 14.03	−16 51.5	1.580	2.462	13.9	20.9
10 8	22 10.78	−17 20.1	1.662	2.458	17.2	21.2

301530 2009 FW_{38} 8 30.2 288.°99 1.°7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.15	−12 0.6	1.857	2.757	11.9	20.6
8 9	22 51.66	−12 34.2	1.790	2.750	8.4	20.3
8 19	22 44.37	−13 13.4	1.747	2.744	4.5	20.1
8 29	22 35.97	−13 53.0	1.730	2.737	1.7	19.9
9 8	22 27.43	−14 27.3	1.740	2.731	4.8	20.1
9 18	22 19.69	−14 51.7	1.777	2.725	8.7	20.3
9 28	22 13.61	−15 3.3	1.838	2.719	12.3	20.5
10 8	22 9.78	−15 0.8	1.921	2.712	15.3	20.7

55933 1998 FD_{73} 8 30.2 76.°36 1.°8/28.4 18

7 30	22 57.00	−12 0.3	2.064	2.959	11.1	19.7
8 9	22 51.17	−12 51.1	2.027	2.986	7.7	19.6
8 19	22 43.90	−13 45.9	2.016	3.012	4.1	19.4
8 29	22 35.91	−14 39.2	2.032	3.039	1.8	19.3
9 8	22 28.03	−15 25.6	2.076	3.065	4.4	19.5
9 18	22 21.04	−16 1.2	2.148	3.091	7.8	19.8
9 28	22 15.59	−16 23.7	2.245	3.116	10.8	20.0
10 8	22 12.10	−16 32.3	2.364	3.141	13.2	20.2

22734 Theojones 8 30.2 264.°59 0.°9/29.5 18

7 30	22 59.12	− 9 2.9	1.669	2.564	13.3	19.3
8 9	22 53.37	− 9 36.8	1.590	2.547	9.5	19.1
8 19	22 45.45	−10 20.6	1.533	2.530	5.1	18.8
8 29	22 36.12	−11 9.1	1.503	2.512	0.9	18.4
9 8	22 26.43	−11 55.5	1.499	2.494	4.7	18.7
9 18	22 17.53	−12 33.8	1.522	2.475	9.4	18.9
9 28	22 10.48	−12 59.3	1.568	2.457	13.6	19.1
10 8	22 6.00	−13 9.6	1.635	2.437	17.2	19.3

403960 2012 BH_{55} 8 30.2 192.°62 1.°7/28.4 18

7 30	22 56.06	−13 32.1	2.499	3.392	9.5	21.3
8 9	22 50.49	−14 1.6	2.434	3.391	6.7	21.1
8 19	22 43.58	−14 33.9	2.394	3.390	3.6	20.9
8 29	22 35.90	−15 5.1	2.382	3.389	1.7	20.8
9 8	22 28.14	−15 31.1	2.400	3.387	4.0	20.9
9 18	22 21.01	−15 48.9	2.445	3.386	7.1	21.1
9 28	22 15.14	−15 56.5	2.517	3.384	9.9	21.3
10 8	22 10.99	−15 53.0	2.611	3.382	12.3	21.5

518262 2016 WT_{15} 8 30.2 257.°43 4.°6/25.5 18

7 30	22 57.89	−20 49.9	2.131	3.033	10.5	21.9
8 9	22 52.13	−21 48.9	2.060	3.018	7.7	21.7
8 19	22 44.62	−22 47.0	2.015	3.002	5.2	21.5
8 29	22 36.02	−23 37.4	1.998	2.987	4.8	21.5
9 8	22 27.22	−24 14.5	2.007	2.970	6.9	21.6
9 18	22 19.13	−24 34.4	2.043	2.954	9.9	21.7
9 28	22 12.59	−24 35.6	2.103	2.938	12.8	21.9
10 8	22 8.18	−24 18.8	2.182	2.921	15.3	22.1

198382 2004 VM_{29} 8 30.2 24.°09 3.°6/ 2.2 17

7 30	22 54.32	+ 2 9.3	1.382	2.260	16.6	20.0
8 9	22 49.99	+ 1 49.2	1.325	2.265	12.6	19.7
8 19	22 43.57	+ 1 6.5	1.289	2.271	8.2	19.5
8 29	22 35.90	+ 0 5.0	1.276	2.278	4.2	19.3
9 8	22 28.14	− 1 7.9	1.288	2.286	4.7	19.3
9 18	22 21.41	− 2 23.7	1.325	2.294	8.7	19.6
9 28	22 16.69	− 3 33.7	1.385	2.303	12.9	19.9
10 8	22 14.56	− 4 31.2	1.466	2.312	16.6	20.1

50822 2000 FH_{35} 8 30.2 59.°42 0.°9/29.4 18

7 30	22 55.44	− 8 38.5	1.782	2.679	12.5	18.6
8 9	22 50.41	− 9 27.5	1.727	2.686	8.8	18.4
8 19	22 43.65	−10 25.4	1.696	2.693	4.6	18.2
8 29	22 35.91	−11 26.5	1.692	2.701	0.9	17.9
9 8	22 28.12	−12 24.2	1.714	2.709	4.3	18.2
9 18	22 21.20	−13 12.7	1.764	2.717	8.3	18.5
9 28	22 15.96	−13 47.9	1.837	2.724	11.9	18.7
10 8	22 12.89	−14 7.9	1.932	2.733	14.9	18.9

355127 2006 UN_{160} 8 30.2 48.°22 1.°5/28.8 18

7 30	22 55.55	−10 37.8	1.897	2.796	11.8	21.0
8 9	22 50.45	−11 24.1	1.838	2.798	8.2	20.8
8 19	22 43.67	−12 17.3	1.803	2.801	4.4	20.6
8 29	22 35.92	−13 11.7	1.795	2.803	1.5	20.4
9 8	22 28.09	−14 1.4	1.814	2.806	4.5	20.6
9 18	22 21.06	−14 41.4	1.860	2.809	8.3	20.9
9 28	22 15.63	−15 8.0	1.931	2.812	11.8	21.1
10 8	22 12.30	−15 19.9	2.022	2.814	14.7	21.3

246703 2009 AO_{33} 8 30.2 28.°42 0.°6/29.7 18

7 30	22 56.72	− 8 36.5	1.696	2.593	13.0	20.5
8 9	22 51.41	− 9 6.4	1.638	2.596	9.2	20.3
8 19	22 44.24	− 9 45.3	1.602	2.599	4.9	20.0
8 29	22 35.98	−10 28.0	1.593	2.602	0.7	19.7
9 8	22 27.65	−11 8.5	1.610	2.606	4.3	20.0
9 18	22 20.23	−11 41.6	1.653	2.609	8.5	20.3
9 28	22 14.59	−12 3.3	1.721	2.613	12.3	20.5
10 8	22 11.29	−12 11.6	1.809	2.617	15.5	20.7

126985 2002 FU_{28} 8 30.2 267°.15 2°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.76	−11 1.6	1.772	2.674	12.3	20.1
8 9	22 50.88	−12 17.3	1.697	2.659	8.6	19.9
8 19	22 44.06	−13 43.0	1.645	2.643	4.7	19.6
8 29	22 35.98	−15 11.1	1.620	2.627	2.3	19.4
9 8	22 27.60	−16 33.5	1.623	2.611	5.5	19.6
9 18	22 19.93	−17 42.6	1.652	2.594	9.7	19.8
9 28	22 13.94	−18 33.5	1.705	2.578	13.5	20.0
10 8	22 10.28	−19 3.9	1.779	2.561	16.7	20.2

24106 1999 VA_{12} 8 30.2 351°.04 7°.6/ 3.8 18

7 30	22 52.45	+ 4 51.2	0.965	1.857	20.8	17.1
8 9	22 49.45	+ 5 41.7	0.905	1.847	16.7	16.8
8 19	22 43.63	+ 6 3.8	0.862	1.838	12.2	16.5
8 29	22 35.95	+ 5 55.6	0.838	1.831	8.4	16.3
9 8	22 27.88	+ 5 20.7	0.834	1.826	8.0	16.3
9 18	22 21.01	+ 4 27.2	0.850	1.823	11.6	16.5
9 28	22 16.78	+ 3 26.6	0.885	1.821	16.2	16.7
10 8	22 15.99	+ 2 30.4	0.938	1.822	20.5	17.0

148173 2000 AT 8 30.2 37°.83 1°.4/31.2 17

7 30	22 57.63	− 4 3.7	1.153	2.056	17.3	18.8
8 9	22 52.48	− 4 20.6	1.112	2.071	12.5	18.6
8 19	22 44.93	− 4 54.7	1.091	2.086	7.2	18.3
8 29	22 36.07	− 5 40.3	1.093	2.102	1.9	18.0
9 8	22 27.29	− 6 29.3	1.119	2.118	4.7	18.3
9 18	22 19.90	− 7 13.8	1.168	2.136	9.8	18.6
9 28	22 14.95	− 7 47.5	1.239	2.154	14.4	18.9
10 8	22 12.96	− 8 6.6	1.330	2.172	18.2	19.2

121813 2000 AW_{226} 8 30.2 186°.78 0°.9/31.3 18

7 30	22 54.40	− 4 9.7	2.716	3.584	9.7	20.7
8 9	22 49.25	− 4 30.4	2.642	3.584	7.0	20.5
8 19	22 42.90	− 4 59.5	2.594	3.583	4.0	20.3
8 29	22 35.85	− 5 34.2	2.574	3.582	1.1	20.1
9 8	22 28.70	− 6 11.3	2.583	3.581	2.6	20.2
9 18	22 22.07	− 6 47.1	2.622	3.579	5.7	20.4
9 28	22 16.54	− 7 18.4	2.687	3.578	8.5	20.6
10 8	22 12.51	− 7 42.5	2.777	3.576	10.9	20.8

238266 2003 WV_{46} 8 30.2 320°.14 4°.6/26.2 18

7 30	22 57.63	−18 42.3	1.697	2.607	12.3	20.3
8 9	22 52.16	−19 42.0	1.640	2.603	8.8	20.0
8 19	22 44.69	−20 41.9	1.608	2.600	5.6	19.9
8 29	22 36.05	−21 34.3	1.601	2.597	4.7	19.8
9 8	22 27.30	−22 12.4	1.620	2.594	7.3	19.9
9 18	22 19.51	−22 31.8	1.665	2.591	10.8	20.2
9 28	22 13.62	−22 30.9	1.732	2.588	14.1	20.4
10 8	22 10.19	−22 10.7	1.818	2.585	17.0	20.6

12832 1997 CE_1 8 30.2 335°.56 5°.0/27.7 18

7 30	22 57.93	−17 47.9	0.986	1.917	16.9	16.2
8 9	22 53.56	−18 5.9	0.922	1.896	12.2	15.8
8 19	22 45.97	−18 24.3	0.878	1.876	7.4	15.5
8 29	22 36.22	−18 33.8	0.854	1.858	5.0	15.3
9 8	22 26.03	−18 25.9	0.851	1.841	8.7	15.5
9 18	22 17.22	−17 55.8	0.870	1.825	14.2	15.7
9 28	22 11.37	−17 2.8	0.907	1.812	19.3	16.0
10 8	22 9.32	−15 49.7	0.959	1.801	23.7	16.2

30204 Stevedoherty 8 30.2 208°.99 0°.3/29.9 18

7 30	22 57.76	− 6 53.4	1.775	2.664	12.9	19.0
8 9	22 52.18	− 7 40.5	1.706	2.660	9.2	18.8
8 19	22 44.70	− 8 39.2	1.661	2.656	5.0	18.5
8 29	22 36.06	− 9 43.8	1.642	2.652	0.5	18.2
9 8	22 27.23	−10 47.6	1.651	2.647	4.2	18.5
9 18	22 19.22	−11 44.1	1.687	2.641	8.5	18.7
9 28	22 12.93	−12 28.1	1.747	2.636	12.4	19.0
10 8	22 8.96	−12 57.0	1.829	2.630	15.7	19.2

444070 2004 RT_{241} 8 30.2 25°.56 0°.2/30.4 18

7 30	22 54.25	− 6 16.2	1.725	2.620	13.0	20.8
8 9	22 49.60	− 6 47.3	1.672	2.627	9.2	20.6
8 19	22 43.24	− 7 29.2	1.641	2.636	5.1	20.4
8 29	22 35.91	− 8 17.1	1.635	2.645	0.7	20.1
9 8	22 28.54	− 9 5.1	1.656	2.654	3.8	20.4
9 18	22 22.04	− 9 47.6	1.704	2.664	8.0	20.6
9 28	22 17.22	−10 20.0	1.776	2.675	11.6	20.9
10 8	22 14.57	−10 39.7	1.869	2.686	14.7	21.1

378037 2006 SE_{401} 8 30.2 344°.60 0°.6/30.6 16

7 30	22 52.48	− 6 6.6	0.977	1.899	17.9	21.0
8 9	22 49.47	− 6 20.8	0.916	1.885	13.0	20.6
8 19	22 43.65	− 6 53.3	0.874	1.873	7.3	20.3
8 29	22 35.98	− 7 38.1	0.852	1.862	1.2	19.9
9 8	22 27.95	− 8 26.4	0.852	1.852	5.4	20.1
9 18	22 21.14	− 9 8.8	0.873	1.845	11.5	20.4
9 28	22 16.96	− 9 37.3	0.913	1.839	17.0	20.7
10 8	22 16.17	− 9 47.1	0.970	1.835	21.6	21.0

206100 2002 RT_{180} 8 30.2 21°.20 0°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.09	− 6 13.2	1.261	2.170	15.7	19.5
8 9	22 49.89	− 6 45.9	1.217	2.180	11.2	19.3
8 19	22 43.52	− 7 32.7	1.194	2.191	6.1	19.1
8 29	22 35.94	− 8 27.1	1.194	2.203	0.7	18.7
9 8	22 28.38	− 9 21.0	1.218	2.217	4.6	19.1
9 18	22 22.00	−10 6.9	1.266	2.231	9.6	19.4
9 28	22 17.77	−10 39.4	1.337	2.247	13.9	19.7
10 8	22 16.21	−10 55.6	1.427	2.263	17.5	20.0

4079 Britten 8 30.2 198°.86 0°.9/29.1 18

7 30	22 54.42	−10 20.5	2.656	3.543	9.2	18.2
8 9	22 49.31	−10 57.9	2.586	3.541	6.5	18.0
8 19	22 42.96	−11 40.4	2.543	3.539	3.4	17.8
8 29	22 35.89	−12 24.2	2.527	3.536	0.9	17.6
9 8	22 28.71	−13 5.3	2.541	3.533	3.4	17.8
9 18	22 22.08	−13 40.1	2.583	3.529	6.4	18.0
9 28	22 16.58	−14 5.9	2.652	3.526	9.2	18.2
10 8	22 12.64	−14 21.0	2.744	3.522	11.6	18.3

474148 1998 SA_{16} 8 30.2 351°.32 1°.4/31.5 18

7 30	22 54.02	− 2 10.1	1.626	2.511	14.1	21.7
8 9	22 49.63	− 2 51.6	1.560	2.509	10.4	21.4
8 19	22 43.36	− 3 50.0	1.516	2.507	6.1	21.2
8 29	22 35.94	− 5 0.3	1.497	2.505	1.8	20.9
9 8	22 28.36	− 6 15.4	1.505	2.504	3.8	21.0
9 18	22 21.60	− 7 27.8	1.539	2.503	8.2	21.3
9 28	22 16.59	− 8 30.4	1.597	2.503	12.3	21.5
10 8	22 13.90	− 9 18.5	1.676	2.503	15.8	21.8

210882 2001 SE_{72} 8 30.2 341°.13 1°.8/31.6 18

7 30	22 46.13	− 0 53.6	0.840	1.765	19.8	19.1
8 9	22 45.18	− 1 46.1	0.777	1.746	14.8	18.8
8 19	22 41.43	− 3 13.1	0.732	1.729	8.8	18.4
8 29	22 35.76	− 5 7.8	0.705	1.714	2.6	18.0
9 8	22 29.64	− 7 15.9	0.699	1.701	5.5	18.1
9 18	22 24.69	− 9 19.8	0.712	1.690	12.2	18.4
9 28	22 22.43	−11 3.1	0.744	1.681	18.2	18.7
10 8	22 23.71	−12 15.7	0.791	1.675	23.4	19.0

2995 Taratuta 8 30.2 203°.31 1°.5/31.9 18

7 30	22 54.99	− 0 11.4	2.098	2.962	12.3	16.9
8 9	22 50.01	− 1 9.8	2.021	2.959	9.1	16.7
8 19	22 43.47	− 2 24.2	1.969	2.955	5.4	16.5
8 29	22 35.97	− 3 50.3	1.944	2.950	1.9	16.2
9 8	22 28.28	− 5 21.8	1.947	2.946	3.3	16.3
9 18	22 21.23	− 6 51.8	1.980	2.940	7.0	16.5
9 28	22 15.57	− 8 13.6	2.039	2.935	10.5	16.8
10 8	22 11.84	− 9 22.5	2.121	2.929	13.5	16.9

321692 2010 EV_{110} 8 30.2 298°.59 0°.7/29.6 18

7 30	22 55.26	− 7 30.3	1.692	2.589	13.1	20.1
8 9	22 50.49	− 8 23.8	1.625	2.583	9.3	19.8
8 19	22 43.83	− 9 29.0	1.581	2.578	5.0	19.6
8 29	22 36.01	−10 40.0	1.564	2.573	0.7	19.2
9 8	22 28.00	−11 49.2	1.573	2.568	4.4	19.5
9 18	22 20.80	−12 49.7	1.608	2.563	8.8	19.8
9 28	22 15.33	−13 36.3	1.667	2.558	12.7	20.0
10 8	22 12.19	−14 6.0	1.747	2.554	16.1	20.2

289242 2004 XO_{77} 8 30.2 301°.66 7°.4/21.2 18

7 30	22 56.24	−30 47.1	2.226	3.122	10.4	19.8
8 9	22 50.97	−32 9.5	2.179	3.117	8.5	19.6
8 19	22 43.99	−33 22.9	2.158	3.112	7.5	19.6
8 29	22 36.03	−34 20.2	2.162	3.107	7.9	19.6
9 8	22 27.97	−34 56.1	2.191	3.102	9.5	19.7
9 18	22 20.70	−35 8.3	2.245	3.097	11.6	19.8
9 28	22 15.03	−34 57.0	2.319	3.092	13.7	20.0
10 8	22 11.48	−34 24.9	2.412	3.087	15.5	20.1

159160 2004 XU_{178} 8 30.2 350°.43 7°.8/23.1 18

7 30	22 50.41	−20 22.6	1.125	2.061	14.8	17.9
8 9	22 47.80	−22 29.0	1.077	2.051	10.9	17.6
8 19	22 42.64	−24 36.7	1.052	2.042	8.1	17.4
8 29	22 35.89	−26 30.8	1.049	2.036	8.4	17.4
9 8	22 28.92	−27 57.7	1.068	2.030	11.6	17.6
9 18	22 23.15	−28 49.6	1.108	2.026	15.6	17.8
9 28	22 19.78	−29 4.3	1.166	2.024	19.4	18.0
10 8	22 19.47	−28 44.8	1.239	2.023	22.5	18.3

185299 2006 UT_{257} 8 30.2 147°.32 0°.9/29.5 17

7 30	23 0.42	− 9 8.6	1.773	2.663	12.9	21.4
8 9	22 53.96	− 9 48.7	1.716	2.672	9.1	21.2
8 19	22 45.62	−10 36.9	1.684	2.680	4.8	21.0
8 29	22 36.22	−11 27.7	1.678	2.687	0.9	20.7
9 8	22 26.76	−12 14.8	1.700	2.694	4.4	21.0
9 18	22 18.28	−12 53.0	1.750	2.701	8.6	21.3
9 28	22 11.63	−13 18.6	1.824	2.707	12.3	21.5
10 8	22 7.36	−13 29.9	1.919	2.712	15.3	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
223344 2003 QJ_{106}			8 30.2 328°.01		5°.5/ 5.5 18	
	h m	° ′			°	m
7 30	22 50.38	+10 16.0	1.903	2.729	14.9	19.4
8 9	22 46.98	+ 9 47.3	1.814	2.713	12.1	19.2
8 19	22 41.93	+ 8 53.2	1.745	2.698	9.0	19.0
8 29	22 35.82	+ 7 34.9	1.701	2.683	6.3	18.8
9 8	22 29.44	+ 5 57.1	1.682	2.668	5.6	18.7
9 18	22 23.66	+ 4 7.2	1.690	2.654	7.7	18.8
9 28	22 19.30	+ 2 14.3	1.724	2.641	10.9	19.0
10 8	22 16.94	+ 0 27.3	1.782	2.629	14.1	19.2
257823 2000 GN_{143}			8 30.2 106°.32		0°.8/29.5 17	
7 30	22 58.42	− 7 36.0	1.717	2.608	13.2	20.3
8 9	22 52.51	− 8 40.4	1.670	2.626	9.2	20.1
8 19	22 44.80	− 9 54.9	1.648	2.645	4.9	19.9
8 29	22 36.12	−11 12.5	1.653	2.662	0.9	19.7
9 8	22 27.48	−12 25.5	1.685	2.679	4.4	20.0
9 18	22 19.85	−13 27.8	1.745	2.696	8.5	20.2
9 28	22 14.03	−14 14.7	1.829	2.712	12.2	20.5
10 8	22 10.52	−14 44.6	1.934	2.728	15.2	20.8
96966 1999 TG_{188}			8 30.2 356°.27		2°.8/29.3 18	
7 30	23 3.20	−17 7.8	1.041	1.963	17.1	17.5
8 9	22 56.95	−16 22.1	0.986	1.955	12.3	17.2
8 19	22 47.62	−15 32.5	0.950	1.949	6.9	16.9
8 29	22 36.45	−14 34.8	0.937	1.944	2.8	16.6
9 8	22 25.22	−13 26.6	0.947	1.942	6.6	16.8
9 18	22 15.64	−12 8.5	0.980	1.942	12.1	17.1
9 28	22 9.08	−10 42.4	1.034	1.944	17.0	17.4
10 8	22 6.17	− 9 10.7	1.106	1.948	21.1	17.7
508001 2015 BL_{254}			8 30.2 221°.45		1°.0/31.2 17	
7 30	22 58.77	− 3 24.2	1.748	2.626	13.7	22.5
8 9	22 53.00	− 4 0.9	1.672	2.618	10.0	22.3
8 19	22 45.23	− 4 52.3	1.619	2.610	5.7	22.0
8 29	22 36.20	− 5 54.2	1.592	2.601	1.5	21.7
9 8	22 26.89	− 7 0.1	1.593	2.591	3.9	21.8
9 18	22 18.37	− 8 3.0	1.620	2.580	8.3	22.1
9 28	22 11.59	− 8 56.8	1.673	2.569	12.4	22.3
10 8	22 7.22	− 9 37.2	1.748	2.558	15.9	22.5
387028 2012 SP_{10}			8 30.2 263°.43		0°.8/28.9 15	
7 30	22 51.18	−12 52.2	4.420	5.303	5.9	20.6
8 9	22 46.66	−13 2.0	4.344	5.297	4.1	20.5
8 19	22 41.41	−13 13.4	4.295	5.291	2.2	20.3
8 29	22 35.76	−13 24.4	4.277	5.284	0.8	20.2
9 8	22 30.06	−13 33.3	4.288	5.278	2.3	20.3
9 18	22 24.67	−13 38.6	4.329	5.272	4.2	20.5
9 28	22 19.93	−13 39.0	4.399	5.265	6.0	20.6
10 8	22 16.12	−13 33.8	4.493	5.259	7.6	20.7
195077 2002 CR_{105}			8 30.2 210°.43		0°.1/30.2 18	
7 30	22 56.83	− 6 17.2	2.042	2.925	11.8	20.9
8 9	22 51.37	− 7 4.4	1.969	2.920	8.4	20.7
8 19	22 44.24	− 8 2.3	1.920	2.914	4.6	20.4
8 29	22 36.09	− 9 6.2	1.898	2.908	0.5	20.1
9 8	22 27.75	−10 10.1	1.905	2.901	3.7	20.4
9 18	22 20.10	−11 8.1	1.940	2.894	7.6	20.6
9 28	22 13.93	−11 55.7	2.001	2.887	11.2	20.8
10 8	22 9.79	−12 29.8	2.083	2.879	14.2	21.0
397247 2006 QQ_{9}			8 30.2 352°.04		1°.4/31.3 18	
7 30	22 56.35	− 4 50.7	1.476	2.371	14.8	20.0
8 9	22 51.46	− 4 47.8	1.411	2.365	10.8	19.8
8 19	22 44.44	− 4 57.7	1.368	2.361	6.3	19.5
8 29	22 36.12	− 5 17.2	1.349	2.357	1.8	19.2
9 8	22 27.62	− 5 41.1	1.355	2.355	4.1	19.4
9 18	22 20.07	− 6 4.2	1.387	2.353	8.8	19.7
9 28	22 14.50	− 6 21.3	1.442	2.352	13.1	19.9
10 8	22 11.52	− 6 28.8	1.516	2.351	16.7	20.2
298052 2002 QT_{39}			8 30.2 309°.43		0°.2/30.4 18	
7 30	22 54.89	− 5 52.8	1.607	2.502	13.7	20.4
8 9	22 50.53	− 6 26.9	1.518	2.474	10.0	20.1
8 19	22 44.05	− 7 15.4	1.451	2.446	5.6	19.8
8 29	22 36.09	− 8 13.7	1.409	2.418	0.7	19.4
9 8	22 27.67	− 9 15.0	1.393	2.391	4.3	19.6
9 18	22 19.90	−10 12.1	1.402	2.364	9.2	19.8
9 28	22 13.88	−10 58.3	1.435	2.337	13.7	20.0
10 8	22 10.39	−11 29.2	1.488	2.310	17.6	20.2
63889 2001 SK_{3}			8 30.2 36°.83		1°.3/29.0 18	
7 30	22 55.39	− 9 59.9	1.814	2.713	12.2	18.9
8 9	22 50.41	−10 46.2	1.757	2.717	8.5	18.7
8 19	22 43.72	−11 40.1	1.724	2.721	4.5	18.5
8 29	22 36.03	−12 35.9	1.717	2.726	1.3	18.2
9 8	22 28.27	−13 27.3	1.737	2.730	4.5	18.5
9 18	22 21.35	−14 9.1	1.784	2.735	8.4	18.7
9 28	22 16.08	−14 37.5	1.855	2.740	12.0	19.0
10 8	22 12.97	−14 50.8	1.947	2.745	15.0	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
253639 2003 UW_{112}			8 30.2 2°.43		7°.5/25.3 17	
	h m	° ′			°	m
7 30	22 54.48	−20 12.8	0.926	1.865	16.9	18.9
8 9	22 50.95	−21 34.0	0.887	1.862	12.3	18.6
8 19	22 44.41	−22 53.6	0.867	1.861	8.5	18.4
8 29	22 36.12	−23 57.7	0.867	1.862	7.9	18.4
9 8	22 27.77	−24 34.8	0.888	1.864	11.2	18.6
9 18	22 21.03	−24 39.4	0.929	1.868	15.7	18.9
9 28	22 17.19	−24 11.8	0.988	1.873	19.9	19.1
10 8	22 16.82	−23 16.3	1.061	1.880	23.4	19.4
98126 2000 SH_{23}			8 30.2 117°.43		5°.1/26.4 18	
7 30	23 1.45	−18 25.2	1.434	2.346	14.0	18.6
8 9	22 55.05	−19 35.6	1.390	2.354	10.0	18.4
8 19	22 46.34	−20 45.8	1.369	2.362	6.3	18.2
8 29	22 36.32	−21 46.2	1.374	2.370	5.3	18.2
9 8	22 26.33	−22 29.0	1.403	2.377	8.1	18.4
9 18	22 17.63	−22 49.4	1.457	2.384	11.9	18.6
9 28	22 11.25	−22 46.7	1.533	2.391	15.5	18.9
10 8	22 7.74	−22 22.9	1.627	2.398	18.5	19.1
42533 1995 SM_{19}			8 30.2 199°.22		4°.6/26.5 18	
7 30	23 1.78	−20 38.0	1.868	2.769	11.8	19.3
8 9	22 54.96	−21 15.8	1.811	2.768	8.6	19.1
8 19	22 46.19	−21 51.0	1.777	2.766	5.6	18.9
8 29	22 36.31	−22 17.1	1.771	2.764	4.7	18.9
9 8	22 26.39	−22 28.9	1.792	2.763	7.0	19.0
9 18	22 17.46	−22 23.7	1.839	2.760	10.2	19.2
9 28	22 10.43	−22 1.1	1.910	2.758	13.3	19.4
10 8	22 5.84	−21 22.7	2.001	2.756	16.0	19.6
288490 2004 FZ_{41}			8 30.2 253°.88		0°.9/29.2 18	
7 30	22 54.98	− 8 23.5	2.171	3.059	10.9	20.9
8 9	22 50.07	− 9 24.8	2.089	3.044	7.7	20.7
8 19	22 43.56	−10 35.8	2.032	3.028	4.1	20.4
8 29	22 36.04	−11 51.3	2.003	3.012	0.9	20.2
9 8	22 28.26	−13 5.0	2.003	2.995	4.0	20.4
9 18	22 21.05	−14 11.0	2.030	2.978	7.8	20.6
9 28	22 15.19	−15 4.6	2.084	2.961	11.2	20.7
10 8	22 11.23	−15 43.0	2.159	2.944	14.1	20.9
50606 2000 ES_{55}			8 30.2 33°.68		0°.0/30.1 18	
7 30	22 55.51	− 6 24.5	1.708	2.601	13.2	19.2
8 9	22 50.58	− 7 2.2	1.649	2.605	9.4	19.0
8 19	22 43.85	− 7 51.4	1.614	2.609	5.1	18.7
8 29	22 36.06	− 8 46.6	1.604	2.613	0.6	18.4
9 8	22 28.19	− 9 41.5	1.621	2.618	4.0	18.7
9 18	22 21.19	−10 30.1	1.664	2.623	8.2	19.0
9 28	22 15.92	−11 7.5	1.732	2.628	12.0	19.2
10 8	22 12.90	−11 31.0	1.821	2.634	15.2	19.4
268944 2007 DH_{39}			8 30.2 134°.28		0°.4/29.9 17	
7 30	22 57.90	− 6 46.4	1.994	2.878	12.0	22.2
8 9	22 52.01	− 7 43.2	1.939	2.891	8.5	22.0
8 19	22 44.52	− 8 49.8	1.909	2.904	4.5	21.8
8 29	22 36.13	−10 0.4	1.907	2.916	0.5	21.5
9 8	22 27.72	−11 8.8	1.933	2.928	3.8	21.8
9 18	22 20.13	−12 9.3	1.987	2.939	7.6	22.1
9 28	22 14.12	−12 57.5	2.067	2.950	11.0	22.3
10 8	22 10.16	−13 31.2	2.170	2.959	13.9	22.5
184672 2005 SL_{64}			8 30.2 207°.34		0°.6/29.7 18	
7 30	22 55.52	− 8 44.8	2.195	3.083	10.8	21.2
8 9	22 50.31	− 9 18.6	2.127	3.082	7.6	21.0
8 19	22 43.61	− 9 59.6	2.085	3.081	4.1	20.8
8 29	22 36.04	−10 43.7	2.070	3.079	0.6	20.5
9 8	22 28.35	−11 25.9	2.083	3.078	3.6	20.8
9 18	22 21.34	−12 2.0	2.124	3.076	7.2	21.0
9 28	22 15.69	−12 28.6	2.191	3.075	10.4	21.2
10 8	22 11.92	−12 43.6	2.280	3.073	13.2	21.4
239093 2006 HP_{38}			8 30.3 177°.10		5°.1/24.7 17	
7 30	22 59.87	−23 39.5	2.351	3.247	9.9	21.8
8 9	22 53.34	−24 43.8	2.299	3.249	7.4	21.6
8 19	22 45.23	−25 44.0	2.273	3.251	5.4	21.5
8 29	22 36.22	−26 34.0	2.274	3.252	5.3	21.5
9 8	22 27.15	−27 8.8	2.304	3.253	7.1	21.6
9 18	22 18.87	−27 25.6	2.360	3.253	9.5	21.8
9 28	22 12.11	−27 23.9	2.440	3.252	12.0	21.9
10 8	22 7.36	−27 5.2	2.541	3.250	14.1	22.1
213154 2000 PD_{28}			8 30.3 299°.95		6°.9/24.8 18	
7 30	22 58.36	−19 52.6	1.247	2.169	14.8	19.6
8 9	22 53.67	−21 26.7	1.172	2.140	11.0	19.3
8 19	22 46.06	−23 5.5	1.120	2.111	7.7	19.0
8 29	22 36.36	−24 36.1	1.091	2.082	7.4	18.9
9 8	22 26.00	−25 45.7	1.085	2.053	10.7	19.0
9 18	22 16.61	−26 25.4	1.101	2.024	15.3	19.2
9 28	22 9.72	−26 31.6	1.136	1.996	19.7	19.4
10 8	22 6.29	−26 6.3	1.187	1.968	23.5	19.6

316726 1998 HA_7 8 30.3 106°.63 5°.6/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.34	+12 41.4	1.679	2.490	17.2	20.9
8 9	22 51.83	+11 30.1	1.620	2.510	13.8	20.7
8 19	22 44.49	+ 9 48.0	1.581	2.531	10.0	20.6
8 29	22 36.14	+ 7 39.1	1.567	2.550	6.7	20.4
9 8	22 27.79	+ 5 12.6	1.582	2.569	5.7	20.4
9 18	22 20.44	+ 2 39.9	1.624	2.588	8.0	20.6
9 28	22 14.92	+ 0 12.9	1.694	2.605	11.4	20.8
10 8	22 11.74	− 1 58.8	1.789	2.622	14.6	21.1

506461 2002 FS 8 30.3 156°.05 2°.2/ 1.6 18

7 30	22 57.46	+ 0 17.9	2.249	3.103	11.9	21.7
8 9	22 51.61	− 0 7.0	2.181	3.111	8.9	21.6
8 19	22 44.29	− 0 45.3	2.138	3.119	5.6	21.4
8 29	22 36.12	− 1 34.1	2.122	3.126	2.6	21.2
9 8	22 27.87	− 2 28.9	2.135	3.132	3.3	21.2
9 18	22 20.31	− 3 24.7	2.177	3.137	6.5	21.5
9 28	22 14.12	− 4 16.6	2.245	3.142	9.6	21.7
10 8	22 9.80	− 5 0.6	2.338	3.147	12.4	21.9

479102 2013 AE_{153} 8 30.3 248°.52 1°.6/31.9 18

7 30	22 55.17	− 0 55.8	2.262	3.125	11.5	22.5
8 9	22 50.16	− 1 35.7	2.171	3.108	8.6	22.2
8 19	22 43.61	− 2 29.9	2.105	3.091	5.2	22.0
8 29	22 36.06	− 3 35.0	2.067	3.073	2.0	21.7
9 8	22 28.25	− 4 46.0	2.057	3.055	3.2	21.8
9 18	22 20.95	− 5 57.2	2.076	3.036	6.7	22.0
9 28	22 14.92	− 7 3.1	2.121	3.017	10.2	22.2
10 8	22 10.72	− 7 59.0	2.190	2.998	13.2	22.4

505839 2015 CA_{20} 8 30.3 113°.61 1°.0/29.6 17

7 30	23 1.51	−10 2.1	1.551	2.448	14.0	20.6
8 9	22 54.94	−10 23.1	1.496	2.455	9.9	20.4
8 19	22 46.26	−10 51.7	1.464	2.461	5.3	20.1
8 29	22 36.35	−11 22.5	1.458	2.468	1.0	19.8
9 8	22 26.42	−11 49.4	1.479	2.474	4.7	20.1
9 18	22 17.61	−12 7.7	1.525	2.480	9.3	20.4
9 28	22 10.90	−12 14.3	1.596	2.486	13.3	20.7
10 8	22 6.85	−12 7.9	1.687	2.492	16.6	20.9

317214 2002 CD_{60} 8 30.3 142°.45 0°.6/29.7 18

7 30	22 58.80	− 8 40.5	1.795	2.687	12.7	21.2
8 9	22 52.84	− 9 13.0	1.736	2.691	9.0	21.0
8 19	22 45.06	− 9 53.9	1.700	2.696	4.8	20.7
8 29	22 36.22	−10 38.2	1.691	2.700	0.7	20.4
9 8	22 27.31	−11 20.0	1.709	2.704	4.2	20.7
9 18	22 19.29	−11 54.3	1.754	2.708	8.3	21.0
9 28	22 13.03	−12 17.4	1.824	2.712	12.0	21.2
10 8	22 9.07	−12 27.4	1.916	2.715	15.1	21.4

476039 2007 RL_{280} 8 30.3 350°.17 11°.8/ 9.5 16

7 30	22 48.80	+16 54.1	1.206	2.032	21.8	20.5
8 9	22 46.59	+17 44.6	1.136	2.019	19.0	20.3
8 19	22 42.03	+17 58.2	1.082	2.008	15.9	20.1
8 29	22 35.90	+17 30.7	1.045	1.999	13.2	19.9
9 8	22 29.39	+16 23.0	1.028	1.992	11.8	19.8
9 18	22 23.80	+14 42.3	1.032	1.986	12.6	19.8
9 28	22 20.37	+12 41.3	1.056	1.983	15.1	19.9
10 8	22 19.89	+10 35.4	1.099	1.981	18.3	20.1

47985 2000 XV_{41} 8 30.3 166°.28 9°.1/10.2 18

7 30	23 1.87	+24 10.6	2.742	3.423	14.1	19.8
8 9	22 54.74	+25 6.1	2.662	3.430	12.6	19.6
8 19	22 46.04	+25 40.1	2.603	3.436	11.0	19.5
8 29	22 36.35	+25 50.1	2.566	3.441	9.7	19.5
9 8	22 26.41	+25 36.0	2.555	3.445	9.1	19.4
9 18	22 17.03	+25 0.0	2.569	3.448	9.4	19.5
9 28	22 8.96	+24 6.9	2.609	3.451	10.4	19.5
10 8	22 2.75	+23 3.2	2.672	3.453	11.8	19.6

137823 2000 AN_{14} 8 30.3 265°.95 1°.1/31.1 18

7 30	22 58.66	− 4 9.1	1.575	2.461	14.5	20.6
8 9	22 53.17	− 4 31.1	1.497	2.447	10.6	20.3
8 19	22 45.45	− 5 7.9	1.440	2.432	6.1	20.0
8 29	22 36.29	− 5 55.4	1.409	2.418	1.6	19.7
9 8	22 26.76	− 6 47.4	1.404	2.403	4.2	19.8
9 18	22 18.05	− 7 37.1	1.425	2.388	9.0	20.1
9 28	22 11.24	− 8 18.3	1.470	2.372	13.4	20.3
10 8	22 7.08	− 8 46.6	1.536	2.357	17.2	20.5

216675 2004 BV_{108} 8 30.3 155°.48 2°.7/27.7 18

7 30	22 59.02	−15 49.7	2.125	3.022	10.8	20.5
8 9	22 52.79	−16 24.1	2.068	3.026	7.6	20.3
8 19	22 44.96	−16 59.9	2.035	3.029	4.3	20.1
8 29	22 36.22	−17 31.9	2.030	3.033	2.7	20.0
9 8	22 27.44	−17 55.6	2.053	3.036	5.1	20.2
9 18	22 19.48	−18 7.7	2.104	3.038	8.4	20.4
9 28	22 13.08	−18 6.5	2.179	3.041	11.4	20.6
10 8	22 8.74	−17 52.1	2.276	3.043	14.0	20.8

172279 2002 TO_{121} 8 30.3 295°.63 1°.3/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.62	− 4 26.0	1.851	2.731	12.9	20.0
8 9	22 52.07	− 4 32.0	1.779	2.726	9.4	19.8
8 19	22 44.69	− 4 49.2	1.730	2.721	5.5	19.5
8 29	22 36.21	− 5 14.6	1.708	2.716	1.6	19.2
9 8	22 27.54	− 5 43.6	1.712	2.711	3.6	19.4
9 18	22 19.65	− 6 11.8	1.744	2.706	7.7	19.6
9 28	22 13.40	− 6 34.6	1.801	2.701	11.5	19.8
10 8	22 9.37	− 6 48.7	1.879	2.696	14.7	20.0

34373 2000 RT_{44} 8 30.3 31°.30 0°.6/29.9 18

7 30	23 3.27	−10 55.9	1.255	2.161	16.0	16.2
8 9	22 56.43	−10 37.0	1.210	2.172	11.3	16.0
8 19	22 47.12	−10 24.2	1.186	2.184	6.1	15.7
8 29	22 36.49	−10 13.6	1.187	2.196	0.8	15.4
9 8	22 25.98	−10 0.7	1.212	2.209	5.0	15.8
9 18	22 16.96	− 9 42.4	1.262	2.223	10.0	16.1
9 28	22 10.48	− 9 16.7	1.335	2.238	14.4	16.4
10 8	22 7.07	− 8 42.6	1.427	2.253	18.0	16.7

316851 2000 GT_{130} 8 30.3 207°.04 2°.3/ 1.7 18

7 30	22 54.59	+ 0 58.1	2.036	2.897	12.7	21.1
8 9	22 49.79	+ 0 21.9	1.962	2.895	9.5	20.9
8 19	22 43.42	− 0 30.5	1.912	2.894	6.0	20.7
8 29	22 36.08	− 1 35.7	1.888	2.892	2.8	20.5
9 8	22 28.59	− 2 48.2	1.892	2.889	3.4	20.5
9 18	22 21.76	− 4 1.7	1.923	2.887	6.9	20.7
9 28	22 16.34	− 5 10.2	1.981	2.884	10.4	20.9
10 8	22 12.88	− 6 8.6	2.062	2.882	13.5	21.1

366599 2002 XL_8 8 30.3 337°.88 4°.3/ 1.2 18

7 30	22 51.47	− 3 11.9	0.874	1.797	19.5	19.0
8 9	22 49.27	− 2 17.4	0.799	1.765	14.9	18.6
8 19	22 43.91	− 1 38.9	0.740	1.734	9.6	18.2
8 29	22 36.19	− 1 16.9	0.700	1.706	4.9	17.8
9 8	22 27.62	− 1 8.9	0.680	1.680	6.4	17.8
9 18	22 20.05	− 1 10.0	0.678	1.657	12.3	18.0
9 28	22 15.29	− 1 12.6	0.694	1.637	18.4	18.2
10 8	22 14.51	− 1 9.2	0.725	1.619	23.7	18.5

429402 2010 SZ_{38} 8 30.3 354°.53 0°.0/30.2 17

7 30	22 59.28	− 9 21.7	0.968	1.889	18.2	19.9
8 9	22 54.34	− 9 0.8	0.914	1.883	13.1	19.5
8 19	22 46.33	− 8 49.9	0.879	1.878	7.2	19.2
8 29	22 36.43	− 8 44.7	0.865	1.875	0.9	18.8
9 8	22 26.32	− 8 39.3	0.873	1.873	5.6	19.1
9 18	22 17.71	− 8 28.9	0.903	1.872	11.7	19.5
9 28	22 12.02	− 8 9.4	0.952	1.873	17.0	19.8
10 8	22 9.95	− 7 38.9	1.018	1.875	21.4	20.0

48036 2001 DA_{68} 8 30.3 141°.57 0°.0/30.1 18

7 30	23 1.28	− 7 22.2	1.597	2.487	14.1	19.8
8 9	22 54.78	− 7 44.4	1.539	2.493	10.1	19.6
8 19	22 46.19	− 8 16.9	1.504	2.499	5.5	19.3
8 29	22 36.40	− 8 54.6	1.495	2.504	0.6	19.0
9 8	22 26.54	− 9 31.6	1.513	2.510	4.3	19.3
9 18	22 17.73	−10 2.4	1.557	2.515	8.8	19.6
9 28	22 10.94	−10 22.9	1.626	2.519	12.9	19.8
10 8	22 6.75	−10 30.7	1.715	2.523	16.2	20.1

89194 2001 UZ_{77} 8 30.3 30°.08 4°.6/26.7 17

7 30	22 56.54	−15 51.4	1.250	2.172	14.8	18.7
8 9	22 51.79	−17 9.0	1.209	2.179	10.4	18.5
8 19	22 44.67	−18 30.0	1.190	2.187	6.2	18.3
8 29	22 36.22	−19 43.9	1.195	2.196	4.8	18.2
9 8	22 27.79	−20 41.0	1.224	2.206	8.0	18.4
9 18	22 20.64	−21 15.3	1.277	2.216	12.2	18.7
9 28	22 15.83	−21 24.7	1.350	2.226	16.1	19.0
10 8	22 13.90	−21 10.8	1.441	2.237	19.3	19.2

238233 2003 UZ_{203} 8 30.3 28°.89 7°.1/24.8 18

7 30	23 1.15	−25 41.1	1.595	2.502	13.1	19.7
8 9	22 54.75	−26 35.0	1.552	2.506	10.0	19.5
8 19	22 46.17	−27 20.8	1.531	2.510	7.6	19.4
8 29	22 36.39	−27 50.3	1.536	2.514	7.3	19.4
9 8	22 26.67	−27 57.8	1.565	2.518	9.4	19.5
9 18	22 18.20	−27 41.3	1.619	2.523	12.4	19.7
9 28	22 11.95	−27 2.0	1.694	2.528	15.4	19.9
10 8	22 8.43	−26 3.8	1.787	2.533	18.0	20.1

64465 2001 VX_{40} 8 30.3 72°.55 3°.8/27.6 18

7 30	23 1.11	−14 28.6	1.209	2.125	15.7	18.7
8 9	22 55.00	−15 31.6	1.171	2.138	11.0	18.5
8 19	22 46.39	−16 39.1	1.154	2.151	6.2	18.3
8 29	22 36.42	−17 41.0	1.161	2.165	3.9	18.2
9 8	22 26.55	−18 28.0	1.193	2.179	7.4	18.4
9 18	22 18.18	−18 54.8	1.248	2.192	11.9	18.7
9 28	22 12.37	−18 59.2	1.325	2.206	16.0	19.0
10 8	22 9.64	−18 42.7	1.419	2.220	19.4	19.3

97922 2000 QF_{96} 8 30.3 326°.64 2°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.52	−12 49.7	1.267	2.183	15.1	18.8
8 9	22 52.79	−13 10.6	1.195	2.163	10.8	18.5
8 19	22 45.44	−13 38.4	1.144	2.143	5.9	18.2
8 29	22 36.34	−14 6.3	1.117	2.125	2.3	17.9
9 8	22 26.84	−14 27.0	1.114	2.107	6.2	18.1
9 18	22 18.38	−14 34.6	1.134	2.090	11.4	18.4
9 28	22 12.25	−14 25.5	1.175	2.075	16.2	18.6
10 8	22 9.25	−13 58.8	1.234	2.060	20.3	18.8

435787 2008 UK_{344} 8 30.3 322°.44 6°.7/23.7 18

7 30	22 53.39	−19 35.2	1.380	2.304	13.5	19.9
8 9	22 49.73	−21 35.0	1.319	2.287	9.9	19.6
8 19	22 43.72	−23 38.7	1.281	2.270	7.1	19.4
8 29	22 36.15	−25 33.5	1.267	2.254	7.2	19.4
9 8	22 28.23	−27 7.2	1.278	2.239	10.2	19.5
9 18	22 21.26	−28 11.4	1.312	2.224	14.1	19.7
9 28	22 16.41	−28 42.9	1.365	2.211	17.8	19.9
10 8	22 14.42	−28 43.0	1.435	2.198	20.9	20.1

423747 2006 CX 8 30.3 168°.25 10°.2/26.5 18

7 30	23 31.34	−31 46.4	1.324	2.193	17.7	22.1
8 9	23 16.63	−32 23.5	1.275	2.202	14.1	21.9
8 19	22 58.15	−32 39.0	1.249	2.209	11.0	21.8
8 29	22 37.77	−32 20.6	1.250	2.215	10.3	21.8
9 8	22 17.98	−31 23.3	1.279	2.219	12.3	21.9
9 18	22 1.00	−29 51.5	1.334	2.221	15.8	22.1
9 28	21 48.26	−27 55.1	1.413	2.221	19.2	22.4
10 8	21 40.16	−25 45.0	1.509	2.220	22.1	22.6

424489 2008 DH_{28} 8 30.3 153°.46 4°.9/26.2 17

7 30	23 0.85	−18 39.7	1.622	2.529	12.9	21.7
8 9	22 54.52	−19 52.1	1.573	2.534	9.3	21.5
8 19	22 46.08	−21 4.5	1.548	2.539	5.9	21.3
8 29	22 36.41	−22 8.1	1.549	2.543	5.1	21.3
9 8	22 26.70	−22 55.3	1.576	2.547	7.7	21.5
9 18	22 18.10	−23 21.6	1.629	2.551	11.2	21.7
9 28	22 11.56	−23 25.8	1.704	2.554	14.6	21.9
10 8	22 7.67	−23 9.4	1.798	2.557	17.4	22.1

52133 6007 P–L 8 30.3 157°.44 2°.2/ 1.8 18

7 30	22 55.74	+ 0 45.9	2.353	3.206	11.5	19.8
8 9	22 50.39	+ 0 17.8	2.283	3.212	8.6	19.6
8 19	22 43.67	− 0 23.6	2.238	3.218	5.4	19.4
8 29	22 36.14	− 1 15.5	2.220	3.223	2.6	19.3
9 8	22 28.52	− 2 13.5	2.231	3.228	3.1	19.3
9 18	22 21.53	− 3 12.7	2.271	3.232	6.2	19.5
9 28	22 15.81	− 4 8.3	2.337	3.236	9.2	19.7
10 8	22 11.83	− 4 56.2	2.428	3.239	11.9	19.9

164000 2003 UH_{167} 8 30.3 312°.14 3°.9/ 2.2 18

7 30	22 55.80	+ 1 28.9	1.561	2.433	15.4	19.8
8 9	22 51.22	+ 1 35.1	1.476	2.412	11.9	19.6
8 19	22 44.48	+ 1 22.8	1.413	2.393	7.9	19.3
8 29	22 36.27	+ 0 53.0	1.373	2.373	4.4	19.1
9 8	22 27.63	+ 0 10.0	1.358	2.354	4.8	19.0
9 18	22 19.71	− 0 40.1	1.368	2.335	8.8	19.2
9 28	22 13.61	− 1 30.0	1.402	2.317	13.0	19.4
10 8	22 10.07	− 2 13.1	1.457	2.299	16.9	19.6

405487 2004 XH_{67} 8 30.3 267°.50 2°.4/27.6 18

7 30	22 55.10	−14 52.9	2.452	3.349	9.5	21.6
8 9	22 50.02	−15 37.7	2.375	3.334	6.7	21.4
8 19	22 43.52	−16 25.5	2.325	3.320	3.8	21.2
8 29	22 36.14	−17 11.5	2.302	3.305	2.4	21.1
9 8	22 28.59	−17 51.1	2.307	3.290	4.6	21.2
9 18	22 21.59	−18 20.5	2.341	3.275	7.7	21.4
9 28	22 15.82	−18 37.3	2.400	3.260	10.5	21.5
10 8	22 11.79	−18 40.4	2.480	3.244	13.0	21.7

508782 1999 VN_{211} 8 30.3 313°.75 6°.0/26.0 18

7 30	22 57.65	−18 34.4	1.190	2.114	15.2	21.1
8 9	22 53.20	−19 43.3	1.118	2.087	11.1	20.8
8 19	22 45.83	−20 56.4	1.067	2.061	7.2	20.5
8 29	22 36.45	−22 2.2	1.038	2.036	6.3	20.4
9 8	22 26.49	−22 49.4	1.033	2.010	9.7	20.5
9 18	22 17.58	−23 10.1	1.049	1.986	14.5	20.7
9 28	22 11.22	−23 1.3	1.085	1.962	19.1	20.9
10 8	22 8.31	−22 24.5	1.136	1.940	23.1	21.1

97105 1999 VP_{71} 8 30.3 174°.62 7°.4/23.1 18

7 30	23 1.20	−29 4.0	1.991	2.886	11.4	19.9
8 9	22 54.58	−30 13.6	1.946	2.888	9.1	19.8
8 19	22 46.05	−31 13.9	1.926	2.889	7.6	19.7
8 29	22 36.44	−31 57.3	1.931	2.890	7.7	19.7
9 8	22 26.81	−32 18.5	1.963	2.890	9.5	19.8
9 18	22 18.21	−32 15.6	2.019	2.890	11.9	20.0
9 28	22 11.50	−31 49.6	2.096	2.890	14.3	20.1
10 8	22 7.21	−31 3.6	2.192	2.890	16.3	20.3

111750 2002 CR_{113} 8 30.3 347°.46 5°.4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 51.68	−15 12.6	0.882	1.823	17.3	18.2
8 9	22 49.17	−16 31.9	0.832	1.811	12.3	17.9
8 19	22 43.65	−18 0.2	0.800	1.801	7.3	17.6
8 29	22 36.19	−19 23.6	0.789	1.792	5.7	17.5
9 8	22 28.45	−20 28.1	0.799	1.785	9.7	17.7
9 18	22 22.13	−21 4.0	0.827	1.780	15.1	18.0
9 28	22 18.66	−21 7.3	0.873	1.777	20.0	18.3
10 8	22 18.76	−20 39.4	0.934	1.776	24.1	18.5

482281 2011 SC_{213} 8 30.3 285°.90 2°.5/28.1 18

7 30	22 58.66	−14 33.5	1.930	2.829	11.6	21.4
8 9	22 52.93	−15 5.9	1.848	2.808	8.2	21.1
8 19	22 45.27	−15 41.9	1.791	2.787	4.6	20.9
8 29	22 36.38	−16 16.2	1.760	2.765	2.6	20.7
9 8	22 27.18	−16 43.2	1.757	2.743	5.3	20.9
9 18	22 18.67	−16 58.5	1.780	2.721	9.2	21.0
9 28	22 11.80	−16 59.6	1.828	2.699	12.8	21.2
10 8	22 7.20	−16 45.7	1.896	2.678	15.9	21.4

193492 2000 YH_{6} 8 30.3 248°.96 3°.3/27.1 18

7 30	22 58.97	−16 15.0	2.092	2.990	10.9	20.7
8 9	22 53.04	−17 10.6	2.013	2.972	7.7	20.4
8 19	22 45.29	−18 9.1	1.960	2.953	4.6	20.2
8 29	22 36.38	−19 4.5	1.934	2.934	3.4	20.1
9 8	22 27.19	−19 50.5	1.936	2.914	5.8	20.2
9 18	22 18.65	−20 22.5	1.965	2.894	9.3	20.4
9 28	22 11.65	−20 37.9	2.019	2.873	12.5	20.6
10 8	22 6.80	−20 36.2	2.094	2.851	15.3	20.7

145750 1995 VT_{13} 8 30.3 331°.37 2°.9/ 1.6 18

7 30	22 53.68	+ 0 29.9	1.225	2.116	17.3	19.8
8 9	22 50.01	+ 0 1.6	1.156	2.105	13.1	19.5
8 19	22 43.91	− 0 51.5	1.107	2.095	8.2	19.2
8 29	22 36.23	− 2 5.2	1.080	2.085	3.6	18.9
9 8	22 28.20	− 3 31.0	1.076	2.076	4.8	19.0
9 18	22 21.15	− 4 58.5	1.097	2.068	9.8	19.2
9 28	22 16.29	− 6 17.2	1.139	2.061	14.8	19.5
10 8	22 14.38	− 7 19.3	1.201	2.054	19.0	19.7

154938 Besserman 8 30.3 343°.43 0°.0/30.3 18

7 30	22 53.62	− 6 46.2	1.706	2.603	13.0	20.3
8 9	22 49.39	− 7 14.0	1.636	2.594	9.3	20.1
8 19	22 43.34	− 7 53.0	1.590	2.585	5.1	19.8
8 29	22 36.16	− 8 38.5	1.568	2.578	0.6	19.4
9 8	22 28.78	− 9 24.7	1.573	2.571	3.9	19.7
9 18	22 22.18	−10 5.8	1.604	2.565	8.3	19.9
9 28	22 17.24	−10 36.8	1.659	2.560	12.2	20.2
10 8	22 14.53	−10 54.7	1.734	2.555	15.5	20.4

103909 2000 DQ_{59} 8 30.3 298°.34 0°.2/30.5 18

7 30	22 57.54	− 6 12.0	1.403	2.302	15.1	19.9
8 9	22 52.66	− 6 38.6	1.324	2.282	11.0	19.6
8 19	22 45.36	− 7 20.0	1.266	2.262	6.1	19.3
8 29	22 36.41	− 8 11.0	1.233	2.242	0.8	18.8
9 8	22 27.00	− 9 4.5	1.224	2.222	4.7	19.1
9 18	22 18.44	− 9 52.8	1.240	2.203	10.0	19.3
9 28	22 11.95	−10 29.2	1.279	2.184	14.8	19.6
10 8	22 8.35	−10 49.7	1.337	2.165	18.9	19.8

293013 2006 WF_{43} 8 30.3 273°.22 0°.3/30.1 17

7 30	22 57.34	− 6 34.3	1.502	2.399	14.4	21.4
8 9	22 52.29	− 7 20.5	1.431	2.389	10.3	21.1
8 19	22 45.04	− 8 20.9	1.382	2.379	5.6	20.8
8 29	22 36.36	− 9 29.4	1.359	2.368	0.6	20.5
9 8	22 27.39	−10 38.0	1.361	2.358	4.6	20.7
9 18	22 19.31	−11 38.7	1.389	2.348	9.6	21.0
9 28	22 13.19	−12 25.4	1.440	2.337	14.0	21.2
10 8	22 9.73	−12 54.5	1.511	2.327	17.7	21.5

397848 2008 TV_{21} 8 30.3 202°.86 9°.7/20.9 18

7 30	23 6.74	−37 57.3	2.104	2.972	12.1	21.5
8 9	22 58.56	−39 0.6	2.061	2.969	10.5	21.4
8 19	22 48.22	−39 47.7	2.042	2.965	9.7	21.3
8 29	22 36.71	−40 10.8	2.048	2.961	10.1	21.4
9 8	22 25.26	−40 5.8	2.079	2.956	11.4	21.4
9 18	22 15.04	−39 32.3	2.132	2.952	13.3	21.6
9 28	22 7.02	−38 33.4	2.207	2.946	15.2	21.7
10 8	22 1.74	−37 14.1	2.298	2.940	16.9	21.8

185848 2000 DQ_{50} 8 30.3 99°.04 0°.4/30.7 17

7 30	22 59.14	− 4 53.1	1.621	2.507	14.1	20.9
8 9	22 53.16	− 5 35.9	1.573	2.524	10.1	20.7
8 19	22 45.29	− 6 31.7	1.548	2.541	5.6	20.5
8 29	22 36.38	− 7 34.5	1.548	2.558	0.9	20.2
9 8	22 27.50	− 8 37.3	1.576	2.574	4.0	20.5
9 18	22 19.67	− 9 33.5	1.631	2.590	8.4	20.8
9 28	22 13.76	−10 18.0	1.710	2.606	12.2	21.1
10 8	22 10.26	−10 47.9	1.811	2.621	15.4	21.3

459449 2012 *WO* 8 30.3 303°.30 6°.1/28.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 16.25	−22 29.0	0.997	1.907	18.8	20.2
8 9	23 6.89	−22 5.5	0.933	1.894	14.0	19.8
8 19	22 53.43	−21 29.7	0.889	1.881	8.9	19.5
8 29	22 37.37	−20 32.7	0.867	1.868	6.1	19.3
9 8	22 21.03	−19 10.0	0.870	1.856	9.4	19.5
9 18	22 6.78	−17 24.2	0.896	1.844	14.9	19.7
9 28	21 56.43	−15 22.2	0.943	1.833	20.2	20.0
10 8	21 50.74	−13 11.6	1.007	1.822	24.7	20.3

39621 1994 PU_4 8 30.3 86°.57 0°.4/29.9 18

7 30	22 55.28	− 7 40.7	2.088	2.977	11.3	19.6
8 9	22 50.21	− 8 20.5	2.030	2.984	8.0	19.4
8 19	22 43.63	− 9 8.6	1.995	2.991	4.3	19.2
8 29	22 36.21	−10 0.5	1.988	2.998	0.5	18.9
9 8	22 28.73	−10 50.8	2.009	3.005	3.6	19.1
9 18	22 21.97	−11 34.8	2.057	3.012	7.2	19.4
9 28	22 16.65	−12 8.7	2.131	3.019	10.5	19.6
10 8	22 13.23	−12 30.3	2.228	3.026	13.3	19.8

337988 2002 CF_{221} 8 30.3 138°.33 2°.3/28.4 16

7 30	23 2.70	−14 46.5	2.063	2.953	11.3	21.2
8 9	22 55.40	−15 9.2	2.009	2.965	8.0	21.0
8 19	22 46.42	−15 33.5	1.980	2.975	4.4	20.8
8 29	22 36.53	−15 54.6	1.980	2.985	2.3	20.7
9 8	22 26.68	−16 8.3	2.008	2.995	4.8	20.9
9 18	22 17.77	−16 11.7	2.065	3.004	8.2	21.1
9 28	22 10.58	−16 3.5	2.147	3.012	11.4	21.4
10 8	22 5.58	−15 43.7	2.251	3.020	14.0	21.6

364184 2006 PH_7 8 30.3 357°.57 2°.6/28.2 17

7 30	22 52.36	− 9 6.6	1.052	1.977	16.7	19.9
8 9	22 49.24	−10 37.0	1.001	1.973	11.7	19.6
8 19	22 43.54	−12 24.1	0.970	1.971	6.2	19.3
8 29	22 36.22	−14 16.0	0.961	1.969	2.6	19.1
9 8	22 28.70	−15 58.8	0.976	1.969	7.0	19.3
9 18	22 22.41	−17 20.7	1.013	1.970	12.5	19.6
9 28	22 18.58	−18 14.7	1.069	1.971	17.3	19.9
10 8	22 17.86	−18 39.0	1.143	1.974	21.3	20.2

215569 2003 FM_{25} 8 30.3 89°.82 0°.2/30.1 18

7 30	22 55.40	− 7 13.4	2.067	2.954	11.5	20.4
8 9	22 50.31	− 7 51.6	2.006	2.960	8.1	20.2
8 19	22 43.71	− 8 38.7	1.970	2.965	4.4	20.0
8 29	22 36.23	− 9 30.0	1.961	2.971	0.5	19.7
9 8	22 28.68	−10 20.3	1.980	2.977	3.5	20.0
9 18	22 21.86	−11 4.7	2.027	2.982	7.3	20.2
9 28	22 16.49	−11 39.4	2.099	2.988	10.6	20.5
10 8	22 13.04	−12 1.9	2.193	2.994	13.4	20.7

264057 2009 SA_{26} 8 30.3 328°.85 0°.4/30.9 15

7 30	22 49.13	− 5 39.5	3.859	4.730	7.0	21.1
8 9	22 45.40	− 6 0.1	3.781	4.725	5.0	21.0
8 19	22 40.88	− 6 26.1	3.729	4.720	2.8	20.8
8 29	22 35.91	− 6 55.3	3.705	4.714	0.6	20.6
9 8	22 30.86	− 7 25.6	3.712	4.709	1.9	20.7
9 18	22 26.14	− 7 54.7	3.747	4.704	4.2	20.9
9 28	22 22.10	− 8 20.3	3.811	4.700	6.3	21.0
10 8	22 19.06	− 8 40.6	3.899	4.695	8.1	21.2

315130 2007 EO_{98} 8 30.3 177°.23 1°.0/29.1 18

7 30	22 55.61	−10 48.2	2.671	3.557	9.2	22.0
8 9	22 50.21	−11 22.3	2.605	3.559	6.5	21.8
8 19	22 43.58	−12 1.0	2.564	3.560	3.4	21.6
8 29	22 36.23	−12 40.5	2.552	3.560	1.0	21.4
9 8	22 28.80	−13 16.9	2.569	3.561	3.4	21.6
9 18	22 21.93	−13 47.0	2.615	3.561	6.4	21.8
9 28	22 16.21	−14 8.1	2.688	3.560	9.1	22.0
10 8	22 12.06	−14 18.9	2.784	3.560	11.5	22.2

445835 2012 CN_{52} 8 30.3 295°.65 1°.9/ 1.1 18

7 30	22 56.48	− 2 17.6	2.162	3.029	11.8	20.8
8 9	22 51.11	− 2 17.1	2.085	3.023	8.8	20.6
8 19	22 44.18	− 2 27.6	2.032	3.017	5.4	20.4
8 29	22 36.30	− 2 47.0	2.005	3.011	2.3	20.2
9 8	22 28.25	− 3 11.8	2.007	3.005	3.3	20.2
9 18	22 20.83	− 3 38.1	2.036	2.998	6.7	20.4
9 28	22 14.79	− 4 2.0	2.092	2.993	10.1	20.6
10 8	22 10.66	− 4 20.0	2.170	2.987	13.0	20.8

512698 2016 UR_6 8 30.3 89°.57 1°.8/31.9 18

7 30	22 57.69	− 2 33.3	1.843	2.718	13.2	21.4
8 9	22 52.13	− 2 41.0	1.776	2.719	9.8	21.2
8 19	22 44.78	− 3 1.7	1.732	2.720	5.9	20.9
8 29	22 36.38	− 3 32.3	1.714	2.720	2.2	20.7
9 8	22 27.83	− 4 8.2	1.723	2.721	3.6	20.8
9 18	22 20.10	− 4 44.5	1.760	2.722	7.5	21.0
9 28	22 14.00	− 5 16.3	1.821	2.723	11.2	21.3
10 8	22 10.11	− 5 39.7	1.904	2.724	14.4	21.5

72558 2001 ER_5 8 30.3 81°.09 2°.2/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.19	−14 27.4	2.262	3.159	10.2	19.5
8 9	22 50.74	−15 6.2	2.211	3.170	7.1	19.4
8 19	22 43.89	−15 47.2	2.185	3.180	4.0	19.2
8 29	22 36.27	−16 25.8	2.187	3.191	2.3	19.1
9 8	22 28.65	−16 57.4	2.217	3.202	4.5	19.3
9 18	22 21.77	−17 18.8	2.275	3.213	7.6	19.5
9 28	22 16.28	−17 27.9	2.358	3.224	10.5	19.7
10 8	22 12.63	−17 24.3	2.462	3.234	12.9	19.9

186727 2004 CR 8 30.3 164°.49 2°.9/27.8 17

7 30	23 1.35	−14 39.0	1.856	2.753	12.1	20.9
8 9	22 54.70	−15 29.4	1.799	2.758	8.5	20.7
8 19	22 46.17	−16 22.9	1.767	2.763	4.8	20.5
8 29	22 36.56	−17 13.1	1.763	2.767	2.9	20.3
9 8	22 26.88	−17 53.8	1.786	2.770	5.6	20.5
9 18	22 18.16	−18 20.6	1.837	2.773	9.3	20.8
9 28	22 11.25	−18 31.3	1.912	2.775	12.7	21.0
10 8	22 6.70	−18 25.9	2.007	2.776	15.5	21.2

186797 2004 ED_{39} 8 30.3 116°.86 0°.9/29.5 17

7 30	22 59.46	− 8 30.2	1.653	2.547	13.5	21.2
8 9	22 53.44	− 9 19.3	1.602	2.559	9.5	21.0
8 19	22 45.50	−10 17.9	1.574	2.571	5.0	20.8
8 29	22 36.48	−11 19.5	1.573	2.582	1.0	20.5
9 8	22 27.44	−12 17.2	1.599	2.594	4.5	20.8
9 18	22 19.43	−13 4.8	1.651	2.604	8.8	21.1
9 28	22 13.32	−13 38.3	1.728	2.615	12.6	21.3
10 8	22 9.64	−13 55.9	1.826	2.625	15.8	21.6

443183 2014 DH_{29} 8 30.3 46°.68 1°.7/31.5 15

7 30	23 2.39	− 4 39.8	1.476	2.361	15.3	20.2
8 9	22 55.38	− 4 26.8	1.443	2.392	11.1	20.0
8 19	22 46.44	− 4 26.0	1.433	2.423	6.4	19.8
8 29	22 36.57	− 4 34.2	1.448	2.456	2.1	19.6
9 8	22 26.98	− 4 46.7	1.489	2.488	4.0	19.8
9 18	22 18.74	− 4 59.0	1.557	2.520	8.3	20.1
9 28	22 12.66	− 5 7.1	1.649	2.553	12.1	20.4
10 8	22 9.17	− 5 8.1	1.762	2.586	15.2	20.7

365995 2012 BO_{90} 8 30.3 284°.11 0°.7/31.2 18

7 30	22 53.01	− 3 0.6	2.159	3.035	11.5	20.7
8 9	22 48.72	− 3 53.8	2.078	3.024	8.4	20.5
8 19	22 42.93	− 5 0.4	2.022	3.013	4.8	20.2
8 29	22 36.20	− 6 16.2	1.993	3.001	1.1	20.0
9 8	22 29.27	− 7 35.4	1.992	2.990	3.2	20.1
9 18	22 22.89	− 8 51.8	2.019	2.979	6.9	20.3
9 28	22 17.81	− 9 59.6	2.072	2.967	10.4	20.5
10 8	22 14.54	−10 54.8	2.148	2.956	13.4	20.7

95649 2002 GX_{98} 8 30.3 261°.99 4°.7/ 4.9 18

7 30	22 53.13	+ 9 0.8	2.292	3.110	12.9	19.5
8 9	22 48.74	+ 8 41.0	2.207	3.103	10.4	19.3
8 19	22 42.92	+ 8 1.7	2.145	3.096	7.7	19.2
8 29	22 36.21	+ 7 4.1	2.107	3.089	5.3	19.0
9 8	22 29.32	+ 5 51.9	2.097	3.082	4.8	19.0
9 18	22 22.96	+ 4 30.6	2.115	3.075	6.7	19.1
9 28	22 17.84	+ 3 6.7	2.160	3.068	9.4	19.2
10 8	22 14.47	+ 1 46.5	2.229	3.061	12.2	19.4

94333 2001 KZ_{52} 8 30.3 285°.00 6°.7/24.1 18

7 30	23 2.81	−30 21.6	2.309	3.195	10.5	18.6
8 9	22 55.54	−30 54.0	2.254	3.190	8.4	18.5
8 19	22 46.55	−31 16.6	2.224	3.184	6.9	18.4
8 29	22 36.63	−31 23.7	2.220	3.179	6.9	18.4
9 8	22 26.72	−31 11.7	2.244	3.174	8.3	18.4
9 18	22 17.76	−30 39.9	2.293	3.168	10.5	18.6
9 28	22 10.53	−29 49.4	2.366	3.163	12.7	18.7
10 8	22 5.52	−28 43.3	2.459	3.158	14.7	18.9

72551 2001 EQ_1 8 30.3 253°.23 4°.4/25.1 18

7 30	22 54.97	−15 36.5	1.804	2.713	11.7	19.1
8 9	22 50.40	−17 43.0	1.744	2.708	8.3	18.8
8 19	22 43.96	−19 55.5	1.710	2.703	5.2	18.7
8 29	22 36.35	−22 3.6	1.703	2.698	4.7	18.6
9 8	22 28.49	−23 57.2	1.725	2.692	7.5	18.8
9 18	22 21.39	−25 28.7	1.773	2.687	11.0	19.0
9 28	22 15.94	−26 33.9	1.844	2.681	14.2	19.2
10 8	22 12.76	−27 12.5	1.934	2.676	16.9	19.4

397545 2007 TA_{318} 8 30.3 210°.86 3°.4/ 3.0 18

7 30	22 55.61	+ 4 6.3	2.225	3.066	12.5	21.6
8 9	22 50.50	+ 3 49.3	2.145	3.062	9.7	21.4
8 19	22 43.88	+ 3 16.0	2.088	3.057	6.6	21.2
8 29	22 36.33	+ 2 28.3	2.057	3.052	3.9	21.1
9 8	22 28.60	+ 1 30.1	2.054	3.047	3.9	21.0
9 18	22 21.46	+ 0 26.6	2.080	3.042	6.6	21.2
9 28	22 15.64	− 0 36.5	2.131	3.036	9.7	21.4
10 8	22 11.66	− 1 33.9	2.207	3.029	12.6	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
332920 2011 CW_5			8 30.3 291°30	2°7/27.9 17		
	h m	° ′			°	m
7 30	22 56.42	−11 22.8	1.434	2.344	14.1	20.8
8 9	22 51.78	−12 39.2	1.367	2.333	9.9	20.6
8 19	22 44.85	−14 6.5	1.324	2.322	5.4	20.3
8 29	22 36.46	−15 35.9	1.305	2.311	2.8	20.1
9 8	22 27.77	−16 57.2	1.312	2.301	6.4	20.3
9 18	22 20.00	−18 2.0	1.344	2.290	11.1	20.5
9 28	22 14.28	−18 44.9	1.398	2.280	15.3	20.8
10 8	22 11.32	−19 4.4	1.470	2.270	18.9	21.0
38107 1999 JZ_{23}			8 30.3 9°76	5°6/27.1 18		
7 30	23 0.31	−18 38.1	1.051	1.977	16.6	18.0
8 9	22 54.93	−19 22.4	1.007	1.978	11.9	17.7
8 19	22 46.63	−20 6.0	0.984	1.980	7.4	17.5
8 29	22 36.66	−20 38.5	0.982	1.982	5.8	17.4
9 8	22 26.69	−20 51.5	1.003	1.986	9.0	17.6
9 18	22 18.33	−20 40.7	1.046	1.991	13.6	17.9
9 28	22 12.82	−20 6.2	1.108	1.996	18.0	18.2
10 8	22 10.76	−19 11.2	1.187	2.002	21.6	18.4
482762 2013 GM_{52}			8 30.3 201°12	6°8/22.8 18		
7 30	23 0.57	−31 15.6	2.446	3.332	10.0	21.4
8 9	22 53.93	−32 8.8	2.398	3.330	8.1	21.3
8 19	22 45.69	−32 52.6	2.374	3.328	6.9	21.2
8 29	22 36.55	−33 21.1	2.377	3.325	7.1	21.2
9 8	22 27.39	−33 30.3	2.406	3.322	8.5	21.3
9 18	22 19.08	−33 18.9	2.461	3.319	10.5	21.4
9 28	22 12.35	−32 47.7	2.538	3.315	12.5	21.6
10 8	22 7.70	−31 59.3	2.635	3.312	14.3	21.7
481498 2007 DM_{89}			8 30.3 130°72	0°0/30.2 18		
7 30	22 55.76	− 7 7.3	2.532	3.411	9.9	21.9
8 9	22 50.35	− 7 35.2	2.471	3.420	7.1	21.8
8 19	22 43.69	− 8 10.0	2.436	3.429	3.8	21.6
8 29	22 36.32	− 8 48.3	2.429	3.438	0.5	21.3
9 8	22 28.91	− 9 26.2	2.450	3.447	2.9	21.5
9 18	22 22.11	−10 0.0	2.501	3.455	6.1	21.8
9 28	22 16.52	−10 26.8	2.578	3.463	9.0	22.0
10 8	22 12.56	−10 44.5	2.679	3.471	11.5	22.1
101459 1998 WD_7			8 30.3 276°98	1°5/29.1 18		
7 30	22 59.17	−10 26.2	1.599	2.498	13.5	20.2
8 9	22 53.65	−11 5.7	1.519	2.479	9.6	19.9
8 19	22 45.88	−11 54.7	1.462	2.459	5.2	19.6
8 29	22 36.60	−12 47.0	1.430	2.439	1.5	19.3
9 8	22 26.92	−13 35.5	1.425	2.419	5.2	19.5
9 18	22 18.04	−14 13.6	1.446	2.398	9.9	19.7
9 28	22 11.06	−14 36.7	1.491	2.378	14.2	20.0
10 8	22 6.75	−14 42.8	1.555	2.357	17.9	20.2
282571 2005 AX_{34}			8 30.3 260°34	5°8/24.2 18		
7 30	22 56.47	−21 5.2	1.776	2.687	11.8	20.0
8 9	22 51.49	−22 45.8	1.722	2.683	8.7	19.8
8 19	22 44.55	−24 25.7	1.693	2.678	6.2	19.7
8 29	22 36.43	−25 55.4	1.691	2.674	6.2	19.7
9 8	22 28.13	−27 6.5	1.714	2.670	8.6	19.8
9 18	22 20.69	−27 54.0	1.763	2.665	11.7	20.0
9 28	22 15.05	−28 15.9	1.833	2.661	14.7	20.2
10 8	22 11.78	−28 13.7	1.922	2.656	17.2	20.3
452721 2005 YT_{215}			8 30.3 344°01	7°6/21.6 17		
7 30	22 51.86	−24 6.8	1.591	2.513	12.2	20.4
8 9	22 48.46	−26 14.1	1.541	2.502	9.4	20.3
8 19	22 43.00	−28 18.6	1.514	2.492	7.7	20.1
8 29	22 36.25	−30 8.7	1.513	2.483	8.3	20.1
9 8	22 29.27	−31 34.3	1.536	2.474	10.8	20.3
9 18	22 23.17	−32 29.8	1.581	2.467	13.8	20.4
9 28	22 18.93	−32 53.5	1.647	2.461	16.7	20.6
10 8	22 17.21	−32 47.6	1.729	2.455	19.2	20.8
94493 2001 UB_{42}			8 30.3 168°94	1°5/29.2 18		
7 30	23 1.39	− 9 43.4	1.537	2.434	14.1	19.8
8 9	22 55.05	−10 33.3	1.479	2.437	10.0	19.5
8 19	22 46.51	−11 32.7	1.443	2.440	5.3	19.3
8 29	22 36.67	−12 34.6	1.434	2.443	1.5	19.0
9 8	22 26.70	−13 31.1	1.451	2.444	5.1	19.3
9 18	22 17.79	−14 15.9	1.495	2.446	9.7	19.6
9 28	22 10.97	−14 44.7	1.562	2.446	13.8	19.8
10 8	22 6.85	−14 56.0	1.649	2.446	17.2	20.0
97253 1999 XT_{108}			8 30.3 326°79	1°2/29.5 18		
7 30	22 56.92	−10 7.6	1.437	2.344	14.3	18.8
8 9	22 52.12	−10 31.7	1.367	2.330	10.2	18.6
8 19	22 45.05	−11 4.9	1.318	2.316	5.5	18.3
8 29	22 36.51	−11 41.7	1.294	2.304	1.2	17.9
9 8	22 27.67	−12 15.1	1.296	2.291	5.1	18.2
9 18	22 19.77	−12 39.4	1.322	2.280	10.0	18.4
9 28	22 13.91	−12 50.0	1.370	2.269	14.4	18.7
10 8	22 10.80	−12 45.1	1.438	2.259	18.2	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
190267 2007 VL_6			8 30.3 308°48	0°1/30.5 17		
	h m	° ′			°	m
7 30	22 48.97	− 7 8.3	4.151	5.026	6.5	20.6
8 9	22 45.27	− 7 30.9	4.074	5.021	4.6	20.5
8 19	22 40.84	− 7 57.8	4.024	5.017	2.5	20.3
8 29	22 36.00	− 8 27.1	4.003	5.012	0.3	20.1
9 8	22 31.09	− 8 56.7	4.011	5.008	1.9	20.2
9 18	22 26.48	− 9 24.3	4.049	5.004	4.0	20.4
9 28	22 22.51	− 9 48.2	4.115	5.000	6.0	20.5
10 8	22 19.47	−10 6.6	4.206	4.995	7.7	20.7
489542 2007 RM_{220}			8 30.3 266°00	3°8/27.3 18		
7 30	23 1.93	−18 43.8	1.947	2.845	11.5	21.1
8 9	22 55.24	−19 11.0	1.874	2.831	8.3	20.9
8 19	22 46.57	−19 37.5	1.825	2.816	5.1	20.7
8 29	22 36.70	−19 57.3	1.803	2.801	3.8	20.6
9 8	22 26.62	−20 5.6	1.808	2.786	6.2	20.7
9 18	22 17.36	−19 59.2	1.841	2.771	9.7	20.9
9 28	22 9.88	−19 37.1	1.898	2.755	13.0	21.1
10 8	22 4.78	−19 0.3	1.976	2.740	15.9	21.2
523027 2016 PW_{124}			8 30.3 173°79	3°0/ 2.7 18		
7 30	22 54.81	+ 3 39.1	2.080	2.928	13.0	21.5
8 9	22 49.99	+ 2 59.0	2.007	2.930	9.9	21.3
8 19	22 43.63	+ 2 0.9	1.957	2.931	6.6	21.1
8 29	22 36.34	+ 0 47.9	1.933	2.932	3.5	20.9
9 8	22 28.91	− 0 34.5	1.937	2.932	3.7	20.9
9 18	22 22.13	− 1 59.8	1.969	2.933	6.8	21.1
9 28	22 16.75	− 3 21.2	2.028	2.933	10.1	21.3
10 8	22 13.27	− 4 33.1	2.110	2.933	13.1	21.5
53395 1999 JZ_{102}			8 30.3 91°82	1°4/28.9 18		
7 30	22 55.39	−10 5.7	2.019	2.914	11.3	19.4
8 9	22 50.38	−11 1.7	1.963	2.922	7.9	19.3
8 19	22 43.81	−12 4.6	1.932	2.929	4.2	19.0
8 29	22 36.36	−13 8.9	1.929	2.937	1.4	18.9
9 8	22 28.86	−14 8.4	1.953	2.945	4.3	19.1
9 18	22 22.11	−14 58.1	2.004	2.952	7.9	19.3
9 28	22 16.84	−15 34.4	2.081	2.959	11.2	19.5
10 8	22 13.54	−15 55.6	2.179	2.967	13.9	19.7
513459 2009 AP_{30}			8 30.3 328°10	3°1/ 1.7 18		
7 30	22 56.83	− 0 13.9	1.559	2.435	15.1	21.3
8 9	22 51.90	− 0 9.3	1.487	2.427	11.4	21.1
8 19	22 44.87	− 0 21.6	1.435	2.419	7.3	20.8
8 29	22 36.51	− 0 48.6	1.408	2.411	3.6	20.6
9 8	22 27.87	− 1 25.7	1.407	2.404	4.4	20.6
9 18	22 20.08	− 2 7.1	1.431	2.398	8.5	20.9
9 28	22 14.15	− 2 46.2	1.479	2.391	12.6	21.1
10 8	22 10.75	− 3 17.7	1.547	2.386	16.3	21.3
20613 Chibaken			8 30.3 353°26	3°0/27.1 18		
7 30	22 52.92	−13 14.8	1.822	2.731	11.6	17.8
8 9	22 48.86	−14 38.3	1.763	2.728	8.1	17.6
8 19	22 43.09	−16 8.3	1.729	2.726	4.6	17.4
8 29	22 36.29	−17 36.9	1.721	2.724	3.1	17.3
9 8	22 29.34	−18 56.2	1.740	2.723	5.9	17.4
9 18	22 23.15	−19 59.9	1.786	2.722	9.5	17.7
9 28	22 18.53	−20 44.0	1.855	2.722	12.8	17.9
10 8	22 16.02	−21 7.6	1.944	2.721	15.7	18.1
184911 2005 UP_{365}			8 30.3 9°55	2°1/28.4 18		
7 30	22 54.55	−12 1.9	1.682	2.589	12.5	19.7
8 9	22 50.05	−12 51.8	1.626	2.591	8.8	19.5
8 19	22 43.74	−13 48.1	1.595	2.593	4.7	19.3
8 29	22 36.36	−14 44.3	1.589	2.596	2.2	19.1
9 8	22 28.91	−15 33.6	1.609	2.599	5.2	19.3
9 18	22 22.33	−16 10.7	1.655	2.603	9.2	19.6
9 28	22 17.48	−16 32.0	1.724	2.608	12.8	19.8
10 8	22 14.89	−16 36.6	1.813	2.613	15.8	20.0
446214 2013 GD_{50}			8 30.3 158°87	2°8/ 3.3 18		
7 30	22 53.31	+ 4 52.5	2.817	3.647	10.5	21.8
8 9	22 48.59	+ 4 16.5	2.742	3.652	8.1	21.7
8 19	22 42.74	+ 3 26.5	2.691	3.658	5.5	21.5
8 29	22 36.24	+ 2 24.9	2.668	3.662	3.3	21.4
9 8	22 29.66	+ 1 15.3	2.674	3.667	3.2	21.4
9 18	22 23.56	+ 0 2.4	2.710	3.671	5.3	21.5
9 28	22 18.49	− 1 9.1	2.774	3.675	7.9	21.7
10 8	22 14.84	− 2 14.9	2.863	3.678	10.2	21.9
69542 1997 HL_{10}			8 30.3 254°57	0°7/30.9 18		
7 30	22 56.45	− 4 37.9	1.851	2.734	12.8	19.5
8 9	22 51.35	− 5 11.1	1.779	2.729	9.3	19.2
8 19	22 44.46	− 5 56.9	1.731	2.723	5.2	19.0
8 29	22 36.47	− 6 50.9	1.708	2.717	1.1	18.7
9 8	22 28.29	− 7 47.3	1.713	2.711	3.6	18.9
9 18	22 20.84	− 8 40.1	1.745	2.705	7.8	19.1
9 28	22 14.98	− 9 24.2	1.802	2.699	11.6	19.3
10 8	22 11.30	− 9 55.9	1.881	2.693	14.8	19.6

96448 1998 FS_{135} 8 30.3 105°.83 5°.6/26.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.23	−22 52.2	1.764	2.665	12.4	19.5
8 9	22 56.07	−23 36.4	1.721	2.675	9.1	19.3
8 19	22 46.94	−24 15.3	1.702	2.686	6.3	19.2
8 29	22 36.76	−24 41.7	1.709	2.696	5.7	19.2
9 8	22 26.67	−24 50.7	1.743	2.706	7.8	19.3
9 18	22 17.77	−24 40.1	1.802	2.716	10.9	19.5
9 28	22 10.93	−24 10.7	1.885	2.725	13.8	19.7
10 8	22 6.64	−23 24.9	1.987	2.734	16.4	20.0

97293 1999 XG_{175} 8 30.3 163°.62 6°.3/21.6 18

7 30	22 56.26	−29 50.9	2.666	3.558	9.0	19.4
8 9	22 50.85	−31 11.8	2.624	3.561	7.3	19.3
8 19	22 44.04	−32 25.2	2.609	3.563	6.3	19.2
8 29	22 36.42	−33 25.2	2.620	3.566	6.6	19.3
9 8	22 28.73	−34 7.4	2.659	3.568	8.1	19.4
9 18	22 21.70	−34 29.6	2.722	3.571	9.9	19.5
9 28	22 15.99	−34 31.7	2.808	3.572	11.7	19.6
10 8	22 12.07	−34 15.5	2.912	3.574	13.3	19.8

332104 2005 UE_{220} 8 30.3 41°.50 4°.8/ 3.1 16

7 30	22 57.38	+ 4 5.4	1.428	2.292	17.0	20.6
8 9	22 52.30	+ 4 8.6	1.369	2.298	13.2	20.4
8 19	22 45.07	+ 3 49.1	1.331	2.304	9.0	20.1
8 29	22 36.56	+ 3 8.8	1.315	2.311	5.5	20.0
9 8	22 27.91	+ 2 13.3	1.325	2.319	5.4	20.0
9 18	22 20.30	+ 1 10.0	1.359	2.326	8.8	20.2
9 28	22 14.72	+ 0 7.5	1.418	2.334	12.8	20.5
10 8	22 11.79	− 0 47.2	1.497	2.342	16.3	20.7

507164 2010 BE_{33} 8 30.3 185°.30 10°.0/11.9 18

7 30	23 1.71	+28 0.3	2.787	3.433	14.5	22.4
8 9	22 54.83	+28 59.1	2.701	3.434	13.2	22.3
8 19	22 46.31	+29 35.6	2.634	3.433	11.9	22.2
8 29	22 36.71	+29 46.5	2.589	3.432	10.7	22.1
9 8	22 26.80	+29 31.2	2.567	3.429	10.1	22.1
9 18	22 17.40	+28 51.5	2.569	3.426	10.1	22.1
9 28	22 9.28	+27 52.1	2.596	3.423	10.9	22.1
10 8	22 3.05	+26 39.6	2.646	3.418	12.1	22.2

211311 2002 SN_{34} 8 30.3 316°.24 5°.0/27.0 17

7 30	23 0.28	−18 2.8	1.298	2.215	14.8	19.7
8 9	22 54.76	−18 49.9	1.237	2.203	10.7	19.5
8 19	22 46.59	−19 38.4	1.197	2.192	6.6	19.2
8 29	22 36.76	−20 19.0	1.182	2.181	5.1	19.1
9 8	22 26.67	−20 43.4	1.190	2.171	8.2	19.2
9 18	22 17.77	−20 46.4	1.222	2.161	12.6	19.5
9 28	22 11.31	−20 26.7	1.275	2.152	16.8	19.7
10 8	22 8.01	−19 46.0	1.345	2.143	20.4	19.9

428640 2008 FG_{129} 8 30.3 56°.85 6°.0/26.2 17

7 30	23 1.55	−20 21.6	1.293	2.210	14.8	20.6
8 9	22 55.24	−21 27.4	1.264	2.228	10.7	20.4
8 19	22 46.58	−22 29.3	1.257	2.248	7.1	20.3
8 29	22 36.72	−23 17.5	1.274	2.267	6.2	20.3
9 8	22 27.10	−23 44.7	1.315	2.287	8.8	20.5
9 18	22 18.99	−23 48.0	1.380	2.307	12.5	20.8
9 28	22 13.37	−23 27.9	1.466	2.327	16.0	21.0
10 8	22 10.69	−22 47.8	1.570	2.347	18.8	21.3

212966 2009 BF_{102} 8 30.3 257°.29 1°.4/29.1 18

7 30	22 59.14	−11 38.1	1.976	2.869	11.6	20.9
8 9	22 53.21	−12 3.1	1.901	2.858	8.2	20.6
8 19	22 45.48	−12 33.4	1.851	2.847	4.5	20.4
8 29	22 36.62	−13 4.6	1.827	2.835	1.4	20.2
9 8	22 27.55	−13 31.4	1.831	2.823	4.4	20.4
9 18	22 19.21	−13 50.0	1.863	2.811	8.3	20.6
9 28	22 12.47	−13 57.2	1.919	2.799	11.9	20.8
10 8	22 7.91	−13 51.8	1.997	2.787	14.9	21.0

401775 2014 DK_{31} 8 30.3 143°.18 0°.7/31.1 18

7 30	22 56.10	− 3 51.6	2.008	2.885	12.2	21.2
8 9	22 50.92	− 4 34.6	1.944	2.890	8.8	21.0
8 19	22 44.15	− 5 29.9	1.904	2.895	5.0	20.8
8 29	22 36.46	− 6 32.8	1.891	2.900	1.1	20.6
9 8	22 28.66	− 7 37.7	1.906	2.904	3.3	20.7
9 18	22 21.59	− 8 38.6	1.949	2.908	7.2	21.0
9 28	22 16.00	− 9 30.6	2.018	2.912	10.7	21.2
10 8	22 12.40	−10 10.3	2.109	2.916	13.6	21.4

193597 2001 BO_{63} 8 30.3 227°.29 0°.3/30.6 18

7 30	22 56.50	− 4 59.4	2.163	3.039	11.5	20.7
8 9	22 51.23	− 5 47.3	2.082	3.029	8.2	20.5
8 19	22 44.37	− 6 46.9	2.026	3.019	4.6	20.2
8 29	22 36.49	− 7 53.7	1.998	3.007	0.7	19.9
9 8	22 28.39	− 9 2.0	1.998	2.996	3.4	20.1
9 18	22 20.88	−10 6.1	2.027	2.983	7.2	20.3
9 28	22 14.74	−11 1.0	2.082	2.970	10.7	20.5
10 8	22 10.52	−11 43.2	2.160	2.957	13.7	20.7

145389 2005 NH_{31} 8 30.3 186°.59 0°.9/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.49	− 8 11.6	1.672	2.566	13.3	21.1
8 9	22 52.92	− 9 5.9	1.609	2.566	9.4	20.9
8 19	22 45.37	−10 11.1	1.569	2.566	5.1	20.6
8 29	22 36.61	−11 20.8	1.556	2.565	1.0	20.4
9 8	22 27.69	−12 27.4	1.569	2.564	4.6	20.6
9 18	22 19.66	−13 24.1	1.609	2.562	9.0	20.9
9 28	22 13.47	−14 6.1	1.674	2.561	12.9	21.1
10 8	22 9.70	−14 31.0	1.759	2.559	16.2	21.3

356864 2011 WW_{64} 8 30.3 237°.48 1°.0/28.3 16

7 30	22 49.05	−13 34.5	4.718	5.606	5.5	21.6
8 9	22 45.28	−14 0.0	4.645	5.600	3.8	21.4
8 19	22 40.86	−14 27.1	4.599	5.594	2.1	21.3
8 29	22 36.06	−14 53.6	4.583	5.589	1.0	21.2
9 8	22 31.22	−15 17.7	4.596	5.583	2.3	21.3
9 18	22 26.63	−15 37.7	4.639	5.577	4.1	21.4
9 28	22 22.63	−15 52.1	4.710	5.571	5.7	21.6
10 8	22 19.46	−16 0.1	4.805	5.564	7.2	21.7

145714 1992 DK_{7} 8 30.3 234°.15 0°.4/30.0 18

7 30	22 58.40	− 6 55.6	1.908	2.793	12.4	20.5
8 9	22 52.78	− 7 43.7	1.828	2.780	8.9	20.2
8 19	22 45.30	− 8 43.2	1.773	2.768	4.8	20.0
8 29	22 36.62	− 9 48.9	1.744	2.754	0.6	19.6
9 8	22 27.64	−10 54.4	1.744	2.740	4.0	19.9
9 18	22 19.35	−11 53.4	1.771	2.725	8.3	20.1
9 28	22 12.65	−12 40.6	1.824	2.710	12.1	20.3
10 8	22 8.17	−13 13.0	1.898	2.694	15.4	20.5

84504 2002 TL_{286} 8 30.3 335°.06 0°.3/30.5 18

7 30	22 55.57	− 7 5.9	1.093	2.008	17.0	18.9
8 9	22 51.71	− 7 14.4	1.025	1.991	12.4	18.6
8 19	22 45.09	− 7 37.7	0.978	1.976	6.9	18.2
8 29	22 36.61	− 8 10.8	0.951	1.961	1.0	17.8
9 8	22 27.70	− 8 45.9	0.948	1.948	5.2	18.1
9 18	22 19.89	− 9 15.4	0.966	1.935	11.1	18.4
9 28	22 14.58	− 9 32.6	1.005	1.925	16.4	18.6
10 8	22 12.60	− 9 33.6	1.061	1.916	20.9	18.9

201444 2003 EZ_{44} 8 30.3 126°.66 2°.2/31.9 17

7 30	23 2.11	− 1 39.8	1.443	2.320	16.1	21.0
8 9	22 55.61	− 1 54.5	1.387	2.331	11.9	20.8
8 19	22 46.86	− 2 26.4	1.353	2.341	7.1	20.5
8 29	22 36.80	− 3 11.4	1.344	2.351	2.7	20.3
9 8	22 26.68	− 4 2.9	1.361	2.360	4.3	20.4
9 18	22 17.72	− 4 53.8	1.404	2.369	8.9	20.7
9 28	22 10.94	− 5 37.6	1.472	2.377	13.2	21.0
10 8	22 6.96	− 6 9.7	1.559	2.385	16.8	21.2

364624 2007 TZ_{15} 8 30.3 350°.48 2°.8/ 1.2 18

7 30	22 52.23	− 1 0.2	0.945	1.857	19.4	20.1
8 9	22 49.45	− 1 19.5	0.888	1.848	14.5	19.8
8 19	22 43.86	− 2 5.5	0.848	1.842	8.9	19.5
8 29	22 36.46	− 3 13.4	0.829	1.836	3.5	19.1
9 8	22 28.74	− 4 33.0	0.831	1.832	5.2	19.2
9 18	22 22.26	− 5 52.3	0.854	1.830	11.0	19.6
9 28	22 18.40	− 6 59.5	0.897	1.829	16.5	19.9
10 8	22 17.92	− 7 47.1	0.956	1.829	21.2	20.2

285828 2001 DO_{42} 8 30.3 198°.87 0°.4/30.8 18

7 30	22 58.87	− 5 57.1	2.314	3.187	11.0	21.6
8 9	22 52.77	− 6 18.0	2.238	3.183	7.9	21.4
8 19	22 45.14	− 6 47.4	2.188	3.179	4.4	21.2
8 29	22 36.60	− 7 22.1	2.165	3.175	0.8	20.9
9 8	22 27.90	− 7 57.9	2.172	3.169	3.1	21.1
9 18	22 19.83	− 8 30.7	2.208	3.163	6.7	21.3
9 28	22 13.12	− 8 57.2	2.270	3.157	10.0	21.5
10 8	22 8.28	− 9 14.6	2.355	3.150	12.8	21.7

162064 1997 GT_{4} 8 30.3 23°.54 2°.8/28.3 18

7 30	22 59.25	−14 22.4	1.513	2.422	13.6	19.5
8 9	22 53.53	−14 53.1	1.462	2.425	9.6	19.3
8 19	22 45.70	−15 27.3	1.432	2.430	5.3	19.0
8 29	22 36.66	−15 58.5	1.429	2.434	2.8	18.9
9 8	22 27.59	−16 20.5	1.450	2.439	5.9	19.1
9 18	22 19.64	−16 29.2	1.497	2.445	10.0	19.4
9 28	22 13.75	−16 22.3	1.567	2.451	13.9	19.6
10 8	22 10.48	−16 0.2	1.657	2.457	17.1	19.9

435611 2008 SK_{71} 8 30.3 320°.74 8°.1/24.8 18

7 30	23 4.28	−27 47.7	1.509	2.413	13.9	20.5
8 9	22 57.35	−28 32.3	1.454	2.404	10.9	20.3
8 19	22 47.88	−29 6.5	1.422	2.396	8.5	20.1
8 29	22 36.93	−29 21.3	1.415	2.388	8.3	20.1
9 8	22 25.92	−29 10.6	1.431	2.381	10.4	20.2
9 18	22 16.25	−28 33.0	1.471	2.374	13.6	20.4
9 28	22 9.04	−27 30.7	1.533	2.367	16.7	20.6
10 8	22 4.90	−26 8.6	1.612	2.361	19.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
468015 2013 BB_{54}			8 30.3 277°.28		2°.0/26.6 17	
	h m	° ′			°	m
7 30	22 49.33	−18 5.6	4.362	5.256	5.7	21.6
8 9	22 45.55	−18 40.8	4.293	5.249	4.1	21.4
8 19	22 41.03	−19 15.9	4.252	5.242	2.5	21.3
8 29	22 36.10	−19 48.6	4.239	5.236	2.0	21.3
9 8	22 31.11	−20 16.5	4.257	5.229	3.2	21.4
9 18	22 26.42	−20 37.8	4.303	5.222	4.9	21.5
9 28	22 22.37	−20 51.2	4.375	5.215	6.6	21.6
10 8	22 19.24	−20 56.2	4.471	5.208	8.0	21.7
14400 Baudot			8 30.4 247°.10		1°.6/31.9 18	
7 30	22 56.63	− 1 32.5	2.234	3.097	11.7	19.6
8 9	22 51.35	− 2 2.2	2.143	3.080	8.7	19.4
8 19	22 44.46	− 2 45.2	2.077	3.063	5.2	19.2
8 29	22 36.55	− 3 38.4	2.038	3.045	2.0	18.9
9 8	22 28.34	− 4 37.4	2.028	3.026	3.2	19.0
9 18	22 20.66	− 5 36.8	2.046	3.007	6.8	19.2
9 28	22 14.28	− 6 31.3	2.091	2.987	10.3	19.3
10 8	22 9.78	− 7 16.8	2.159	2.967	13.3	19.5
152821 1999 UJ_{29}			8 30.4 300°.34		1°.2/29.1 18	
7 30	22 55.07	−10 17.7	2.072	2.967	11.1	20.7
8 9	22 50.25	−10 58.2	2.000	2.958	7.8	20.5
8 19	22 43.85	−11 45.8	1.953	2.950	4.2	20.3
8 29	22 36.47	−12 35.5	1.932	2.941	1.2	20.0
9 8	22 28.91	−13 22.0	1.940	2.933	4.1	20.2
9 18	22 22.00	−14 0.5	1.974	2.924	7.8	20.5
9 28	22 16.52	−14 27.3	2.034	2.916	11.2	20.7
10 8	22 12.99	−14 40.6	2.115	2.908	14.1	20.8
145841 1998 YH_{20}			8 30.4 276°.26		0°.3/30.7 17	
7 30	22 52.48	− 6 20.5	3.260	4.133	8.1	21.1
8 9	22 47.99	− 6 42.0	3.168	4.114	5.8	20.9
8 19	22 42.47	− 7 9.8	3.102	4.094	3.2	20.7
8 29	22 36.30	− 7 41.4	3.065	4.075	0.5	20.5
9 8	22 29.99	− 8 14.1	3.057	4.055	2.3	20.6
9 18	22 24.02	− 8 44.9	3.079	4.035	5.1	20.8
9 28	22 18.89	− 9 11.2	3.128	4.014	7.6	20.9
10 8	22 15.00	− 9 30.9	3.202	3.994	9.8	21.1
335827 2007 LJ_{5}			8 30.4 148°.84		2°.0/ 1.3 18	
7 30	22 57.31	− 0 40.4	1.821	2.690	13.6	20.6
8 9	22 51.94	− 1 9.9	1.756	2.695	10.1	20.4
8 19	22 44.79	− 1 55.2	1.713	2.698	6.2	20.2
8 29	22 36.59	− 2 52.5	1.697	2.702	2.5	20.0
9 8	22 28.26	− 3 55.9	1.707	2.706	3.6	20.1
9 18	22 20.73	− 4 59.0	1.745	2.709	7.5	20.3
9 28	22 14.85	− 5 55.8	1.809	2.712	11.3	20.5
10 8	22 11.16	− 6 41.6	1.894	2.714	14.5	20.8
222927 2002 LN_{53}			8 30.4 42°.88		8°.7/10.9 17	
7 30	22 53.02	+20 39.9	1.976	2.728	16.9	19.6
8 9	22 48.81	+20 40.0	1.917	2.747	14.6	19.4
8 19	22 43.03	+20 11.3	1.876	2.765	12.2	19.3
8 29	22 36.37	+19 13.3	1.856	2.785	10.0	19.2
9 8	22 29.67	+17 49.8	1.860	2.804	8.8	19.2
9 18	22 23.75	+16 6.9	1.889	2.824	9.1	19.2
9 28	22 19.34	+14 13.5	1.944	2.844	10.7	19.4
10 8	22 16.91	+12 19.0	2.022	2.865	12.8	19.6
319618 2006 SG_{280}			8 30.4 6°.77		3°.7/27.8 18	
7 30	22 53.60	−12 41.2	0.972	1.905	17.0	18.9
8 9	22 50.29	−13 48.3	0.929	1.905	11.9	18.7
8 19	22 44.23	−15 5.1	0.905	1.906	6.6	18.4
8 29	22 36.53	−16 20.2	0.903	1.909	3.8	18.2
9 8	22 28.74	−17 21.7	0.922	1.914	7.8	18.5
9 18	22 22.37	−18 1.0	0.963	1.919	13.0	18.8
9 28	22 18.63	−18 14.0	1.023	1.927	17.7	19.1
10 8	22 18.13	−18 1.3	1.098	1.935	21.6	19.4
384721 2011 HC_{101}			8 30.4 117°.63		8°.7/21.1 18	
7 30	23 0.63	−30 46.6	1.850	2.748	12.1	20.2
8 9	22 54.39	−32 34.1	1.822	2.760	9.9	20.0
8 19	22 46.14	−34 9.5	1.818	2.772	8.7	20.0
8 29	22 36.76	−35 23.6	1.840	2.783	9.2	20.1
9 8	22 27.39	−36 10.3	1.887	2.794	10.9	20.2
9 18	22 19.14	−36 27.6	1.957	2.805	13.2	20.4
9 28	22 12.90	−36 17.2	2.046	2.815	15.4	20.5
10 8	22 9.21	−35 43.1	2.153	2.825	17.2	20.7
448634 2010 VF_{46}			8 30.4 59°.88		8°.8/10.3 18	
7 30	22 54.84	+20 46.7	2.257	2.995	15.4	20.8
8 9	22 50.05	+21 15.8	2.185	3.001	13.5	20.7
8 19	22 43.73	+21 20.4	2.131	3.008	11.5	20.5
8 29	22 36.48	+20 58.9	2.100	3.014	9.8	20.4
9 8	22 29.08	+20 12.8	2.091	3.021	8.9	20.4
9 18	22 22.30	+19 6.1	2.108	3.028	9.2	20.4
9 28	22 16.90	+17 45.1	2.150	3.035	10.6	20.5
10 8	22 13.39	+16 17.7	2.215	3.042	12.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
450253 2003 UO_{335}			8 30.4 268°.82		0°.6/31.1 17	
	h m	° ′			°	m
7 30	22 54.07	− 4 38.1	2.449	3.324	10.4	21.8
8 9	22 49.39	− 5 9.6	2.365	3.310	7.5	21.6
8 19	22 43.34	− 5 51.0	2.306	3.297	4.3	21.4
8 29	22 36.44	− 6 38.9	2.275	3.284	1.0	21.1
9 8	22 29.35	− 7 29.1	2.272	3.270	2.9	21.3
9 18	22 22.75	− 8 17.3	2.298	3.257	6.3	21.5
9 28	22 17.31	− 8 59.2	2.351	3.243	9.5	21.6
10 8	22 13.52	− 9 31.8	2.426	3.229	12.2	21.8
130673 2000 SU_{114}			8 30.4 283°.74		0°.9/31.2 18	
7 30	22 57.02	− 3 42.9	1.753	2.635	13.4	20.7
8 9	22 52.08	− 4 18.7	1.660	2.608	9.9	20.4
8 19	22 45.09	− 5 10.2	1.590	2.581	5.7	20.1
8 29	22 36.67	− 6 13.3	1.545	2.554	1.4	19.8
9 8	22 27.79	− 7 21.7	1.528	2.527	3.9	19.9
9 18	22 19.48	− 8 28.3	1.537	2.499	8.6	20.1
9 28	22 12.80	− 9 26.2	1.571	2.471	12.9	20.3
10 8	22 8.51	−10 10.4	1.626	2.442	16.6	20.5
220551 2004 GX_{20}			8 30.4 198°.47		2°.5/ 1.6 17	
7 30	22 57.68	+ 0 35.0	1.717	2.583	14.4	20.4
8 9	22 52.36	+ 0 4.0	1.645	2.582	10.8	20.2
8 19	22 45.12	− 0 45.3	1.597	2.580	6.8	20.0
8 29	22 36.68	− 1 49.2	1.573	2.578	3.0	19.7
9 8	22 28.03	− 3 1.5	1.577	2.575	3.9	19.8
9 18	22 20.19	− 4 14.8	1.607	2.572	7.9	20.0
9 28	22 14.08	− 5 22.0	1.663	2.569	11.9	20.3
10 8	22 10.31	− 6 17.6	1.741	2.565	15.3	20.5
119781 2002 AF_{49}			8 30.4 97°.19		1°.6/ 1.1 18	
7 30	22 56.25	− 1 43.6	2.275	3.139	11.5	20.1
8 9	22 50.84	− 2 4.6	2.218	3.155	8.4	19.9
8 19	22 44.06	− 2 37.0	2.186	3.171	5.1	19.7
8 29	22 36.54	− 3 17.6	2.180	3.186	2.0	19.5
9 8	22 29.00	− 4 2.3	2.204	3.201	3.0	19.6
9 18	22 22.16	− 4 46.5	2.255	3.217	6.2	19.9
9 28	22 16.65	− 5 26.2	2.333	3.231	9.3	20.1
10 8	22 12.91	− 5 58.1	2.435	3.246	11.9	20.3
301355 2009 CQ_{28}			8 30.4 273°.94		0°.8/29.7 18	
7 30	22 58.18	− 9 33.0	1.856	2.748	12.3	21.1
8 9	22 52.62	− 9 58.5	1.786	2.742	8.7	20.8
8 19	22 45.22	−10 31.4	1.740	2.736	4.7	20.6
8 29	22 36.70	−11 7.4	1.720	2.730	0.9	20.3
9 8	22 28.00	−11 40.8	1.728	2.723	4.1	20.5
9 18	22 20.08	−12 7.3	1.763	2.717	8.3	20.8
9 28	22 13.82	−12 23.0	1.822	2.711	12.0	21.0
10 8	22 9.80	−12 26.2	1.903	2.704	15.1	21.2
301761 2010 JL_{43}			8 30.4 359°.52		12°.4/19.8 18	
7 30	22 58.19	−35 33.8	1.313	2.220	15.3	19.3
8 9	22 53.38	−37 7.2	1.281	2.216	13.3	19.1
8 19	22 45.84	−38 20.8	1.269	2.214	12.4	19.1
8 29	22 36.76	−39 3.0	1.279	2.213	13.1	19.1
9 8	22 27.72	−39 7.3	1.309	2.214	15.0	19.2
9 18	22 20.21	−38 33.2	1.358	2.215	17.4	19.4
9 28	22 15.36	−37 24.8	1.425	2.218	19.8	19.6
10 8	22 13.71	−35 49.4	1.506	2.222	22.0	19.8
395661 2011 WZ_{79}			8 30.4 299°.97		1°.7/28.7 18	
7 30	22 55.96	−11 19.7	1.916	2.814	11.7	20.9
8 9	22 51.01	−12 5.3	1.848	2.808	8.2	20.6
8 19	22 44.33	−12 57.5	1.804	2.801	4.4	20.4
8 29	22 36.59	−13 50.9	1.787	2.795	1.7	20.2
9 8	22 28.69	−14 39.4	1.798	2.789	4.6	20.4
9 18	22 21.52	−15 17.8	1.835	2.782	8.5	20.6
9 28	22 15.91	−15 42.7	1.896	2.776	12.0	20.8
10 8	22 12.41	−15 52.4	1.979	2.770	15.0	21.0
253793 2003 WH_{192}			8 30.4 306°.62		2°.9/28.4 18	
7 30	22 58.70	−12 53.1	1.262	2.177	15.3	20.2
8 9	22 53.86	−13 36.3	1.188	2.155	10.9	19.9
8 19	22 46.29	−14 28.3	1.135	2.134	6.1	19.6
8 29	22 36.86	−15 21.2	1.106	2.112	3.0	19.3
9 8	22 26.93	−16 5.7	1.100	2.092	6.8	19.5
9 18	22 17.98	−16 34.2	1.118	2.071	12.0	19.8
9 28	22 11.38	−16 42.2	1.158	2.051	16.9	20.0
10 8	22 8.01	−16 28.6	1.214	2.032	21.0	20.2
339389 2005 BB_{13}			8 30.4 275°.48		2°.0/28.6 18	
7 30	22 57.54	−11 29.5	1.814	2.713	12.2	21.3
8 9	22 52.34	−12 20.1	1.734	2.694	8.7	21.0
8 19	22 45.17	−13 18.7	1.678	2.675	4.7	20.8
8 29	22 36.71	−14 19.2	1.649	2.656	2.0	20.5
9 8	22 27.92	−15 14.7	1.647	2.637	5.1	20.7
9 18	22 19.83	−15 59.2	1.671	2.617	9.3	20.9
9 28	22 13.39	−16 28.5	1.719	2.598	13.1	21.1
10 8	22 9.28	−16 40.6	1.788	2.578	16.4	21.3

512923 2016 XA_{14} 8 30.4 79°.25 10°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.12	−41 28.5	2.221	3.086	11.6	20.4
8 9	22 53.37	−43 22.4	2.204	3.094	10.7	20.3
8 19	22 45.63	−44 58.0	2.211	3.102	10.5	20.3
8 29	22 36.76	−46 7.7	2.242	3.110	11.2	20.4
9 8	22 27.83	−46 47.2	2.295	3.118	12.5	20.5
9 18	22 19.91	−46 56.0	2.369	3.127	13.9	20.6
9 28	22 13.90	−46 36.4	2.460	3.135	15.3	20.8
10 8	22 10.35	−45 53.1	2.565	3.143	16.5	20.9

401458 2013 CM_{162} 8 30.4 63°.19 0°.9/31.6 18

7 30	22 53.93	− 0 5.9	2.067	2.933	12.4	20.0
8 9	22 49.28	− 1 41.7	2.019	2.958	8.9	19.8
8 19	22 43.25	− 3 32.6	1.996	2.984	5.1	19.6
8 29	22 36.48	− 5 32.0	2.001	3.009	1.4	19.4
9 8	22 29.72	− 7 31.9	2.036	3.035	3.1	19.6
9 18	22 23.71	− 9 24.4	2.101	3.060	6.8	19.8
9 28	22 19.09	−11 3.2	2.193	3.086	10.0	20.1
10 8	22 16.29	−12 24.5	2.308	3.111	12.8	20.3

382601 2002 EK_{124} 8 30.4 115°.77 1°.3/31.6 16

7 30	22 57.58	− 2 44.4	1.814	2.690	13.3	21.9
8 9	22 52.12	− 3 16.6	1.754	2.698	9.7	21.7
8 19	22 44.91	− 4 2.6	1.717	2.707	5.7	21.5
8 29	22 36.69	− 4 58.0	1.707	2.715	1.7	21.2
9 8	22 28.40	− 5 57.0	1.724	2.723	3.5	21.4
9 18	22 20.94	− 6 53.5	1.768	2.730	7.6	21.7
9 28	22 15.15	− 7 41.9	1.838	2.738	11.3	21.9
10 8	22 11.55	− 8 18.7	1.929	2.745	14.4	22.1

259587 2003 UX_{229} 8 30.4 292°.19 1°.1/31.1 18

7 30	22 59.12	− 4 44.2	1.363	2.257	15.8	20.8
8 9	22 53.95	− 4 58.6	1.286	2.241	11.6	20.5
8 19	22 46.27	− 5 28.6	1.231	2.224	6.7	20.2
8 29	22 36.89	− 6 10.1	1.199	2.207	1.6	19.8
9 8	22 27.06	− 6 56.4	1.192	2.191	4.5	20.0
9 18	22 18.12	− 7 40.3	1.209	2.175	9.9	20.2
9 28	22 11.34	− 8 14.9	1.250	2.158	14.8	20.5
10 8	22 7.54	− 8 35.6	1.309	2.142	18.9	20.7

146151 2000 SD_{142} 8 30.4 294°.86 3°.2/ 2.2 18

7 30	22 56.91	+ 1 10.8	2.057	2.913	12.8	19.7
8 9	22 51.62	+ 1 18.8	1.978	2.906	9.8	19.5
8 19	22 44.67	+ 1 12.8	1.922	2.898	6.5	19.3
8 29	22 36.68	+ 0 54.3	1.892	2.891	3.6	19.1
9 8	22 28.48	+ 0 26.5	1.889	2.884	3.9	19.1
9 18	22 20.91	− 0 6.4	1.913	2.876	7.0	19.3
9 28	22 14.77	− 0 39.5	1.964	2.869	10.4	19.5
10 8	22 10.63	− 1 8.5	2.037	2.862	13.4	19.7

179115 2001 SP_{243} 8 30.4 224°.27 3°.7/ 3.7 18

7 30	22 54.25	+ 5 57.3	2.265	3.098	12.6	20.7
8 9	22 49.61	+ 5 28.4	2.183	3.093	9.8	20.5
8 19	22 43.52	+ 4 41.4	2.123	3.088	6.9	20.3
8 29	22 36.54	+ 3 38.4	2.090	3.082	4.3	20.1
9 8	22 29.37	+ 2 23.7	2.085	3.077	4.0	20.1
9 18	22 22.76	+ 1 3.0	2.108	3.070	6.5	20.2
9 28	22 17.40	− 0 17.2	2.158	3.064	9.5	20.4
10 8	22 13.81	− 1 31.2	2.231	3.058	12.3	20.6

328903 2010 TW_{28} 8 30.4 224°.57 0°.2/30.6 17

7 30	23 0.75	− 6 21.6	1.484	2.375	14.9	21.5
8 9	22 54.81	− 6 45.7	1.417	2.372	10.7	21.2
8 19	22 46.59	− 7 22.4	1.373	2.368	6.0	20.9
8 29	22 36.93	− 8 6.9	1.354	2.364	0.9	20.6
9 8	22 27.05	− 8 52.2	1.361	2.359	4.4	20.8
9 18	22 18.16	− 9 31.9	1.394	2.355	9.3	21.1
9 28	22 11.35	−10 0.8	1.450	2.350	13.7	21.4
10 8	22 7.31	−10 15.6	1.527	2.345	17.4	21.6

414390 2008 YM_{48} 8 30.4 145°.32 1°.6/29.1 17

7 30	23 1.34	− 9 57.4	1.436	2.337	14.7	21.2
8 9	22 55.18	−10 48.6	1.382	2.342	10.4	20.9
8 19	22 46.74	−11 49.4	1.350	2.348	5.6	20.7
8 29	22 36.95	−12 52.3	1.344	2.353	1.6	20.4
9 8	22 27.06	−13 49.1	1.364	2.357	5.4	20.7
9 18	22 18.32	−14 33.0	1.409	2.361	10.1	21.0
9 28	22 11.79	−14 59.9	1.478	2.365	14.3	21.2
10 8	22 8.05	−15 8.5	1.566	2.368	17.8	21.5

212886 2007 VC_{270} 8 30.4 259°.47 4°.0/27.6 18

7 30	23 1.36	−15 42.1	1.376	2.287	14.5	20.3
8 9	22 55.40	−16 35.1	1.319	2.283	10.3	20.1
8 19	22 46.95	−17 31.8	1.284	2.280	6.0	19.8
8 29	22 36.99	−18 23.6	1.273	2.276	4.1	19.7
9 8	22 26.86	−19 2.2	1.288	2.272	7.2	19.9
9 18	22 17.90	−19 21.9	1.328	2.269	11.6	20.1
9 28	22 11.28	−19 20.6	1.389	2.265	15.7	20.3
10 8	22 7.64	−18 59.0	1.468	2.261	19.2	20.6

11812 Dongqiao 8 30.4 32°.17 0°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.71	− 9 51.2	1.850	2.743	12.3	18.2
8 9	22 52.88	− 9 58.3	1.794	2.750	8.7	18.0
8 19	22 45.32	−10 11.5	1.761	2.757	4.7	17.7
8 29	22 36.78	−10 27.0	1.754	2.764	0.7	17.5
9 8	22 28.21	−10 40.4	1.775	2.772	3.9	17.7
9 18	22 20.54	−10 48.1	1.823	2.780	7.9	18.0
9 28	22 14.56	−10 47.6	1.896	2.788	11.4	18.2
10 8	22 10.77	−10 37.4	1.990	2.796	14.4	18.4

373678 2002 QG_{127} 8 30.4 325°.89 2°.4/28.9 15

7 30	23 1.86	−13 25.7	1.276	2.187	15.4	20.7
8 9	22 55.92	−13 40.0	1.214	2.178	11.0	20.4
8 19	22 47.31	−13 59.3	1.173	2.171	6.1	20.1
8 29	22 37.05	−14 17.0	1.155	2.163	2.4	19.9
9 8	22 26.54	−14 26.5	1.163	2.156	6.1	20.1
9 18	22 17.26	−14 23.1	1.195	2.150	11.2	20.3
9 28	22 10.44	−14 4.5	1.248	2.144	15.8	20.6
10 8	22 6.79	−13 30.7	1.320	2.138	19.6	20.8

305095 2007 VR_{30} 8 30.4 348°.45 0°.1/30.3 18

7 30	22 58.65	− 8 8.9	1.736	2.628	13.0	20.7
8 9	22 53.02	− 8 23.6	1.671	2.626	9.3	20.4
8 19	22 45.48	− 8 47.0	1.630	2.625	5.1	20.2
8 29	22 36.81	− 9 14.8	1.615	2.624	0.6	19.8
9 8	22 28.00	− 9 41.9	1.626	2.623	4.0	20.1
9 18	22 20.06	−10 3.8	1.664	2.623	8.3	20.4
9 28	22 13.89	−10 16.6	1.727	2.622	12.1	20.6
10 8	22 10.07	−10 18.2	1.810	2.622	15.4	20.8

329331 2000 WH_{67} 8 30.4 307°.25 23°.4/ 3.5 17

7 30	23 8.73	−52 34.8	0.934	1.802	23.5	20.3
8 9	23 3.35	−55 41.0	0.922	1.791	23.5	20.3
8 19	22 52.33	−57 58.7	0.925	1.780	24.4	20.3
8 29	22 37.68	−59 9.8	0.941	1.769	25.9	20.4
9 8	22 22.91	−59 7.7	0.968	1.759	27.6	20.5
9 18	22 11.43	−57 57.4	1.004	1.750	29.5	20.6
9 28	22 5.34	−55 50.7	1.049	1.741	31.1	20.7
10 8	22 4.97	−53 1.9	1.101	1.732	32.6	20.9

31927 2000 GT_{78} 8 30.4 223°.98 2°.4/28.8 18

7 30	23 1.61	−11 47.8	1.321	2.228	15.3	19.8
8 9	22 55.63	−12 32.2	1.263	2.226	10.8	19.5
8 19	22 47.11	−13 24.9	1.226	2.224	5.9	19.2
8 29	22 37.03	−14 18.1	1.214	2.222	2.4	19.0
9 8	22 26.76	−15 3.3	1.227	2.219	6.1	19.3
9 18	22 17.69	−15 33.8	1.265	2.217	11.0	19.5
9 28	22 10.99	−15 46.1	1.325	2.214	15.5	19.8
10 8	22 7.34	−15 39.3	1.403	2.211	19.2	20.0

484893 2009 QP_{59} 8 30.4 328°.40 9°.7/ 4.5 17

7 30	23 2.82	+12 4.7	1.788	2.589	16.7	20.2
8 9	22 56.39	+13 51.8	1.696	2.567	14.3	20.0
8 19	22 47.61	+15 21.7	1.626	2.546	11.9	19.8
8 29	22 37.13	+16 29.1	1.579	2.526	10.1	19.7
9 8	22 25.97	+17 11.5	1.558	2.507	9.8	19.6
9 18	22 15.35	+17 29.0	1.561	2.488	11.3	19.6
9 28	22 6.47	+17 26.1	1.588	2.471	13.8	19.8
10 8	22 0.20	+17 9.8	1.636	2.454	16.5	19.9

403195 2008 LN_{12} 8 30.4 347°.36 0°.0/30.3 17

7 30	22 52.85	− 5 52.1	1.886	2.778	12.2	21.1
8 9	22 48.83	− 6 37.3	1.818	2.772	8.7	20.9
8 19	22 43.19	− 7 34.2	1.773	2.768	4.8	20.7
8 29	22 36.55	− 8 37.9	1.754	2.763	0.6	20.3
9 8	22 29.74	− 9 42.2	1.762	2.760	3.6	20.6
9 18	22 23.62	−10 41.0	1.797	2.756	7.7	20.8
9 28	22 18.97	−11 29.1	1.856	2.754	11.3	21.0
10 8	22 16.33	−12 3.3	1.937	2.751	14.4	21.2

233433 2006 HY_{54} 8 30.4 110°.97 0°.2/30.2 16

7 30	22 56.02	− 5 25.5	1.898	2.783	12.4	20.3
8 9	22 50.97	− 6 34.3	1.842	2.794	8.8	20.1
8 19	22 44.30	− 7 55.2	1.810	2.805	4.8	19.8
8 29	22 36.68	− 9 21.8	1.806	2.815	0.5	19.5
9 8	22 29.00	−10 46.8	1.829	2.826	3.8	19.8
9 18	22 22.12	−12 3.5	1.881	2.836	7.8	20.1
9 28	22 16.79	−13 6.7	1.958	2.846	11.3	20.3
10 8	22 13.52	−13 53.3	2.057	2.856	14.2	20.6

371906 2008 CT_{201} 8 30.4 223°.80 3°.4/27.9 17

7 30	23 2.54	−15 32.0	1.535	2.439	13.7	21.5
8 9	22 56.05	−16 11.2	1.474	2.436	9.7	21.2
8 19	22 47.25	−16 53.2	1.436	2.432	5.6	21.0
8 29	22 37.06	−17 31.0	1.424	2.428	3.4	20.8
9 8	22 26.71	−17 57.5	1.438	2.424	6.4	21.0
9 18	22 17.45	−18 8.3	1.478	2.419	10.7	21.2
9 28	22 10.34	−18 1.5	1.540	2.414	14.6	21.5
10 8	22 6.04	−17 37.5	1.622	2.410	17.9	21.7

469604 2004 GK_{13} 8 30.4 67°.65 0°.5/30.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.43	− 9 33.1	1.394	2.289	15.4	21.0
8 9	22 57.77	− 9 39.3	1.360	2.317	10.9	20.8
8 19	22 47.97	− 9 53.2	1.348	2.344	5.8	20.6
8 29	22 37.12	−10 9.6	1.362	2.372	0.8	20.3
9 8	22 26.56	−10 23.2	1.402	2.399	4.6	20.6
9 18	22 17.49	−10 29.7	1.468	2.426	9.2	21.0
9 28	22 10.80	−10 26.7	1.558	2.453	13.2	21.3
10 8	22 6.95	−10 13.0	1.668	2.480	16.5	21.6

497231 2005 CY_{30} 8 30.4 123°.75 1°.0/29.7 17

7 30	23 2.33	− 9 28.1	1.523	2.418	14.3	21.3
8 9	22 55.75	−10 0.1	1.471	2.428	10.1	21.1
8 19	22 47.00	−10 40.8	1.441	2.437	5.4	20.9
8 29	22 37.04	−11 24.0	1.437	2.446	1.1	20.6
9 8	22 27.04	−12 3.1	1.460	2.455	4.8	20.9
9 18	22 18.19	−12 32.6	1.509	2.464	9.3	21.2
9 28	22 11.46	−12 48.8	1.582	2.472	13.4	21.4
10 8	22 7.43	−12 50.6	1.675	2.479	16.7	21.7

184580 2005 QD_{106} 8 30.4 328°.65 3°.7/27.1 18

7 30	22 58.04	−17 45.5	1.891	2.796	11.5	19.2
8 9	22 52.52	−18 27.4	1.831	2.792	8.2	19.0
8 19	22 45.20	−19 9.8	1.795	2.788	5.0	18.8
8 29	22 36.81	−19 46.5	1.785	2.784	3.8	18.7
9 8	22 28.32	−20 12.1	1.802	2.781	6.2	18.9
9 18	22 20.67	−20 22.8	1.846	2.777	9.5	19.1
9 28	22 14.71	−20 17.1	1.912	2.774	12.7	19.3
10 8	22 10.98	−19 55.5	2.000	2.771	15.5	19.5

193224 2000 RK_{45} 8 30.4 318°.39 4°.8/ 3.1 18

7 30	22 53.19	+ 4 4.3	1.343	2.217	17.2	20.2
8 9	22 49.88	+ 3 56.1	1.251	2.186	13.6	19.9
8 19	22 44.18	+ 3 21.6	1.178	2.155	9.4	19.5
8 29	22 36.73	+ 2 21.2	1.127	2.125	5.6	19.2
9 8	22 28.63	+ 1 0.0	1.099	2.096	5.6	19.2
9 18	22 21.18	− 0 33.2	1.095	2.067	9.8	19.3
9 28	22 15.68	− 2 7.0	1.114	2.039	14.6	19.5
10 8	22 13.09	− 3 30.9	1.152	2.012	19.2	19.7

512889 2016 WZ_{27} 8 30.4 309°.45 3°.9/26.5 18

7 30	22 55.82	−16 39.3	1.862	2.770	11.5	20.8
8 9	22 51.01	−17 51.4	1.802	2.765	8.2	20.6
8 19	22 44.40	−19 6.3	1.767	2.760	5.0	20.4
8 29	22 36.72	−20 16.5	1.758	2.756	4.0	20.3
9 8	22 28.88	−21 15.0	1.776	2.751	6.5	20.4
9 18	22 21.81	−21 56.7	1.819	2.747	9.9	20.6
9 28	22 16.38	−22 18.7	1.886	2.743	13.1	20.8
10 8	22 13.15	−22 21.1	1.973	2.738	15.9	21.0

140831 2001 UV_{174} 8 30.4 39°.57 0°.4/30.8 18

7 30	22 56.43	− 5 43.2	1.743	2.632	13.2	19.1
8 9	22 51.38	− 6 10.3	1.686	2.638	9.4	18.9
8 19	22 44.57	− 6 48.6	1.652	2.646	5.3	18.6
8 29	22 36.74	− 7 33.6	1.644	2.653	0.9	18.3
9 8	22 28.84	− 8 19.6	1.662	2.661	3.7	18.6
9 18	22 21.80	− 9 0.9	1.708	2.669	7.9	18.9
9 28	22 16.46	− 9 33.0	1.777	2.677	11.6	19.1
10 8	22 13.33	− 9 53.1	1.869	2.686	14.8	19.3

255230 2005 UZ_{432} 8 30.4 162°.59 3°.8/ 3.8 18

7 30	22 54.62	+ 5 41.9	2.366	3.197	12.2	21.2
8 9	22 49.80	+ 5 29.5	2.291	3.199	9.5	21.1
8 19	22 43.62	+ 5 0.9	2.238	3.201	6.7	20.9
8 29	22 36.62	+ 4 17.9	2.212	3.202	4.3	20.7
9 8	22 29.49	+ 3 23.9	2.214	3.203	4.1	20.7
9 18	22 22.93	+ 2 23.7	2.243	3.205	6.3	20.9
9 28	22 17.58	+ 1 22.5	2.300	3.206	9.1	21.0
10 8	22 13.94	+ 0 25.5	2.380	3.206	11.7	21.2

405817 2006 BQ_{100} 8 30.4 265°.55 1°.1/31.9 18

7 30	22 53.52	− 0 18.2	2.517	3.375	10.7	21.0
8 9	22 49.08	− 1 31.3	2.420	3.355	7.9	20.8
8 19	22 43.28	− 2 59.7	2.350	3.335	4.7	20.6
8 29	22 36.60	− 4 39.6	2.307	3.315	1.5	20.3
9 8	22 29.65	− 6 24.9	2.296	3.294	2.8	20.4
9 18	22 23.13	− 8 9.2	2.314	3.273	6.2	20.6
9 28	22 17.68	− 9 46.2	2.360	3.251	9.5	20.8
10 8	22 13.83	−11 10.9	2.431	3.230	12.3	20.9

186502 2002 UL_{6} 8 30.4 293°.68 3°.5/27.5 18

7 30	22 57.22	−13 16.7	1.425	2.337	14.0	20.0
8 9	22 52.49	−14 33.0	1.360	2.326	9.9	19.7
8 19	22 45.43	−15 58.1	1.318	2.315	5.6	19.5
8 29	22 36.87	−17 22.4	1.301	2.305	3.6	19.3
9 8	22 28.02	−18 36.2	1.309	2.294	6.9	19.5
9 18	22 20.12	−19 31.5	1.342	2.284	11.4	19.7
9 28	22 14.30	−20 3.8	1.397	2.274	15.6	20.0
10 8	22 11.27	−20 12.4	1.469	2.264	19.1	20.2

22917 1999 TA_{77} 8 30.4 115°.98 0°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.43	− 6 14.7	1.662	2.547	13.9	19.2
8 9	22 54.92	− 6 50.1	1.612	2.563	9.9	19.0
8 19	22 46.48	− 7 36.6	1.586	2.579	5.4	18.8
8 29	22 36.99	− 8 28.8	1.585	2.595	0.7	18.5
9 8	22 27.51	− 9 20.0	1.612	2.610	4.0	18.8
9 18	22 19.09	−10 4.6	1.666	2.624	8.4	19.1
9 28	22 12.60	−10 38.0	1.745	2.638	12.2	19.3
10 8	22 8.57	−10 57.9	1.845	2.651	15.4	19.6

289304 2005 AW_{10} 8 30.4 135°.93 10°.0/ 7.5 18

7 30	23 8.27	+18 7.1	1.943	2.690	17.3	20.4
8 9	22 59.86	+19 26.6	1.878	2.705	15.0	20.3
8 19	22 49.28	+20 21.1	1.834	2.719	12.6	20.1
8 29	22 37.36	+20 46.9	1.813	2.733	10.7	20.1
9 8	22 25.20	+20 43.8	1.817	2.746	10.0	20.0
9 18	22 13.96	+20 15.2	1.848	2.758	10.8	20.1
9 28	22 4.67	+19 28.0	1.903	2.769	12.6	20.3
10 8	21 57.97	+18 30.8	1.981	2.780	14.7	20.4

46939 1998 SM_{73} 8 30.4 241°.52 0°.4/30.8 18

7 30	22 56.07	− 4 54.5	2.060	2.940	11.8	19.3
8 9	22 51.07	− 5 37.7	1.982	2.931	8.5	19.1
8 19	22 44.42	− 6 32.8	1.929	2.921	4.8	18.9
8 29	22 36.75	− 7 35.5	1.902	2.911	0.8	18.6
9 8	22 28.86	− 8 39.9	1.903	2.901	3.4	18.7
9 18	22 21.58	− 9 40.4	1.933	2.891	7.3	19.0
9 28	22 15.72	−10 31.7	1.988	2.880	10.9	19.2
10 8	22 11.84	−11 10.4	2.066	2.870	14.0	19.4

322669 1999 TD_{111} 8 30.4 316°.27 0°.2/30.3 17

7 30	22 59.63	− 9 26.5	1.808	2.699	12.6	20.2
8 9	22 53.88	− 9 19.2	1.721	2.676	9.1	19.9
8 19	22 46.10	− 9 18.1	1.658	2.653	5.0	19.6
8 29	22 36.97	− 9 19.9	1.621	2.631	0.6	19.3
9 8	22 27.48	− 9 20.7	1.612	2.609	4.0	19.5
9 18	22 18.69	− 9 17.3	1.629	2.587	8.4	19.7
9 28	22 11.59	− 9 6.6	1.671	2.566	12.5	19.9
10 8	22 6.88	− 8 46.8	1.734	2.546	15.9	20.1

199634 2006 GA_{4} 8 30.4 237°.03 0°.3/30.7 18

7 30	22 58.48	− 6 7.9	1.746	2.633	13.2	20.2
8 9	22 52.94	− 6 31.5	1.679	2.631	9.5	20.0
8 19	22 45.49	− 7 6.2	1.635	2.628	5.3	19.7
8 29	22 36.89	− 7 47.6	1.617	2.626	0.9	19.4
9 8	22 28.10	− 8 30.1	1.626	2.624	3.8	19.6
9 18	22 20.15	− 9 8.2	1.661	2.621	8.2	19.9
9 28	22 13.94	− 9 37.3	1.721	2.618	12.1	20.1
10 8	22 10.06	− 9 54.4	1.803	2.616	15.4	20.3

353772 2012 HM_{23} 8 30.4 82°.21 2°.5/28.5 17

7 30	23 1.09	−12 9.3	1.422	2.327	14.5	20.7
8 9	22 54.88	−13 5.2	1.383	2.345	10.1	20.5
8 19	22 46.52	−14 7.1	1.366	2.363	5.5	20.3
8 29	22 37.00	−15 7.0	1.374	2.381	2.5	20.1
9 8	22 27.59	−15 57.1	1.409	2.399	5.8	20.4
9 18	22 19.44	−16 31.8	1.469	2.417	10.2	20.7
9 28	22 13.51	−16 48.2	1.552	2.434	14.0	21.0
10 8	22 10.29	−16 46.5	1.654	2.451	17.2	21.2

447295 2005 WQ_{66} 8 30.4 272°.63 3°.6/ 3.2 18

7 30	22 54.84	+ 4 12.8	2.230	3.071	12.5	21.0
8 9	22 50.10	+ 4 5.0	2.147	3.063	9.7	20.8
8 19	22 43.86	+ 3 41.1	2.087	3.055	6.7	20.6
8 29	22 36.69	+ 3 2.8	2.052	3.046	4.1	20.5
9 8	22 29.31	+ 2 13.6	2.046	3.038	4.0	20.4
9 18	22 22.48	+ 1 18.1	2.066	3.029	6.6	20.6
9 28	22 16.92	+ 0 21.8	2.114	3.021	9.7	20.8
10 8	22 13.18	− 0 30.1	2.184	3.012	12.5	20.9

199403 2006 CM_{9} 8 30.4 359°.49 12°.7/19.2 18

7 30	22 54.54	−32 24.2	1.117	2.041	16.0	18.1
8 9	22 51.12	−34 28.5	1.087	2.037	13.6	17.9
8 19	22 44.82	−36 15.0	1.076	2.034	12.7	17.9
8 29	22 36.81	−37 29.0	1.086	2.033	13.6	17.9
9 8	22 28.74	−38 1.5	1.116	2.034	15.8	18.0
9 18	22 22.20	−37 50.6	1.163	2.036	18.7	18.2
9 28	22 18.41	−37 0.1	1.227	2.039	21.4	18.4
10 8	22 17.94	−35 37.5	1.305	2.044	23.7	18.6

70571 1999 TQ_{156} 8 30.4 166°.95 5°.9/ 4.9 18

7 30	22 59.35	+ 9 14.2	2.099	2.911	14.2	19.3
8 9	22 53.34	+ 9 38.3	2.025	2.914	11.5	19.2
8 19	22 45.65	+ 9 43.6	1.972	2.916	8.7	19.0
8 29	22 36.92	+ 9 29.7	1.945	2.918	6.4	18.9
9 8	22 28.00	+ 8 59.0	1.944	2.920	6.0	18.8
9 18	22 19.76	+ 8 15.7	1.970	2.922	7.7	19.0
9 28	22 13.02	+ 7 25.6	2.023	2.923	10.4	19.1
10 8	22 8.33	+ 6 34.9	2.098	2.924	13.1	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
448657 2010 VA_{132}			8 30.4	11°.33	7°.1/ 7.3	15
	h m	° ′			°	m
7 30	22 53.28	+13 52.8	1.935	2.735	15.6	20.8
8 9	22 49.16	+13 55.2	1.862	2.736	13.1	20.6
8 19	22 43.40	+13 32.7	1.809	2.738	10.3	20.4
8 29	22 36.64	+12 45.2	1.778	2.740	8.0	20.3
9 8	22 29.71	+11 36.1	1.773	2.743	7.1	20.3
9 18	22 23.46	+10 11.4	1.793	2.746	8.3	20.3
9 28	22 18.69	+ 8 39.0	1.839	2.749	10.7	20.5
10 8	22 15.93	+ 7 7.2	1.907	2.753	13.3	20.7
25358 Boskovice			8 30.4	239°.61	1°.8/28.9	18
7 30	23 1.03	−11 15.1	1.686	2.582	13.1	19.6
8 9	22 54.94	−11 56.1	1.612	2.570	9.3	19.3
8 19	22 46.69	−12 44.7	1.562	2.559	5.1	19.0
8 29	22 37.07	−13 35.0	1.538	2.546	1.8	18.8
9 8	22 27.15	−14 20.0	1.542	2.534	5.1	19.0
9 18	22 18.07	−14 53.9	1.572	2.520	9.5	19.2
9 28	22 10.87	−15 13.0	1.626	2.507	13.6	19.4
10 8	22 6.24	−15 15.8	1.700	2.492	17.0	19.6
246621 2008 WG_{39}			8 30.4	298°.92	1°.1/31.3	18
7 30	22 56.78	− 3 44.6	1.686	2.570	13.8	21.0
8 9	22 51.82	− 4 13.3	1.616	2.565	10.1	20.7
8 19	22 44.93	− 4 56.3	1.569	2.560	5.8	20.5
8 29	22 36.84	− 5 49.2	1.547	2.555	1.5	20.2
9 8	22 28.54	− 6 45.9	1.552	2.551	3.8	20.3
9 18	22 21.05	− 7 39.9	1.583	2.546	8.2	20.6
9 28	22 15.28	− 8 25.4	1.638	2.542	12.2	20.8
10 8	22 11.85	− 8 58.2	1.715	2.537	15.6	21.0
480382 2015 KJ_{44}			8 30.4	139°.39	2°.7/28.0	16
7 30	22 59.01	−13 54.1	1.809	2.710	12.2	21.3
8 9	22 53.23	−14 44.7	1.753	2.714	8.5	21.1
8 19	22 45.61	−15 39.3	1.722	2.718	4.8	20.9
8 29	22 36.92	−16 31.6	1.717	2.721	2.7	20.7
9 8	22 28.16	−17 15.2	1.739	2.725	5.5	20.9
9 18	22 20.30	−17 45.5	1.788	2.728	9.2	21.2
9 28	22 14.19	−17 59.8	1.861	2.732	12.6	21.4
10 8	22 10.38	−17 57.8	1.954	2.735	15.5	21.6
146676 2001 UG_{216}			8 30.4	284°.13	2°.7/27.8	18
7 30	22 56.64	−14 8.2	1.942	2.844	11.4	20.4
8 9	22 51.56	−14 59.8	1.874	2.835	8.0	20.2
8 19	22 44.73	−15 56.0	1.830	2.826	4.5	20.0
8 29	22 36.82	−16 50.5	1.813	2.817	2.7	19.8
9 8	22 28.72	−17 37.3	1.823	2.808	5.4	20.0
9 18	22 21.35	−18 11.4	1.860	2.799	9.0	20.2
9 28	22 15.54	−18 29.9	1.921	2.790	12.3	20.4
10 8	22 11.87	−18 31.9	2.002	2.782	15.2	20.6
188137 2002 CU_{246}			8 30.4	131°.88	0°.2/30.7	18
7 30	22 54.12	− 4 28.9	2.452	3.327	10.4	21.1
8 9	22 49.39	− 5 28.0	2.389	3.335	7.4	20.9
8 19	22 43.38	− 6 37.1	2.351	3.343	4.1	20.7
8 29	22 36.64	− 7 51.8	2.342	3.351	0.6	20.5
9 8	22 29.83	− 9 6.8	2.361	3.359	2.9	20.7
9 18	22 23.59	−10 17.0	2.410	3.366	6.2	20.9
9 28	22 18.54	−11 18.0	2.486	3.373	9.2	21.1
10 8	22 15.09	−12 6.8	2.585	3.380	11.8	21.3
511006 2013 OZ_{7}			8 30.4	13°.00	5°.4/ 3.0	17
7 30	22 48.32	+ 2 6.0	0.725	1.648	22.4	19.7
8 9	22 46.91	+ 2 19.4	0.692	1.654	17.2	19.4
8 19	22 42.58	+ 1 59.0	0.674	1.663	11.5	19.2
8 29	22 36.55	+ 1 8.8	0.672	1.675	6.4	18.9
9 8	22 30.50	− 0 0.6	0.690	1.690	6.3	19.0
9 18	22 26.01	− 1 15.7	0.726	1.708	11.1	19.4
9 28	22 24.30	− 2 23.3	0.781	1.728	16.3	19.7
10 8	22 25.89	− 3 13.9	0.852	1.750	20.7	20.1
106998 2000 YA_{109}			8 30.4	356°.97	7°.1/25.1	18
7 30	22 55.09	−19 1.6	1.025	1.959	16.2	18.1
8 9	22 51.49	−20 40.3	0.981	1.955	11.7	17.8
8 19	22 45.05	−22 20.6	0.958	1.952	8.0	17.6
8 29	22 36.88	−23 48.2	0.956	1.950	7.5	17.6
9 8	22 28.55	−24 50.7	0.976	1.949	10.8	17.8
9 18	22 21.63	−25 20.8	1.016	1.950	15.2	18.0
9 28	22 17.39	−25 17.3	1.075	1.952	19.3	18.3
10 8	22 16.48	−24 43.6	1.149	1.954	22.8	18.5
374015 2004 DW_{13}			8 30.4	249°.47	4°.4/27.2	18
7 30	23 3.83	−18 36.6	1.671	2.572	12.9	21.6
8 9	22 57.01	−19 18.0	1.600	2.559	9.4	21.4
8 19	22 47.86	−19 59.5	1.553	2.545	5.8	21.1
8 29	22 37.24	−20 33.7	1.532	2.530	4.5	21.0
9 8	22 26.34	−20 54.0	1.538	2.515	7.1	21.2
9 18	22 16.41	−20 56.1	1.570	2.500	11.0	21.4
9 28	22 8.55	−20 39.0	1.625	2.485	14.7	21.6
10 8	22 3.44	−20 4.0	1.699	2.469	17.9	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
82453 2001 OD_{11}			8 30.4	29°.47	2°.8/28.3	18
	h m	° ′			°	m
7 30	22 59.74	−15 13.0	1.686	2.590	12.7	19.2
8 9	22 53.81	−15 39.9	1.633	2.595	9.0	18.9
8 19	22 45.95	−16 9.0	1.603	2.599	5.1	18.7
8 29	22 36.99	−16 34.4	1.600	2.604	2.9	18.6
9 8	22 28.00	−16 50.8	1.622	2.610	5.6	18.8
9 18	22 20.02	−16 54.6	1.671	2.615	9.4	19.0
9 28	22 13.94	−16 44.2	1.743	2.621	13.0	19.3
10 8	22 10.30	−16 19.7	1.836	2.627	16.0	19.5
305893 2009 FR_{24}			8 30.4	282°.81	1°.6/28.9	18
7 30	22 55.78	−10 17.3	1.881	2.779	11.9	20.3
8 9	22 50.98	−11 13.7	1.813	2.773	8.4	20.1
8 19	22 44.43	−12 18.5	1.770	2.767	4.5	19.8
8 29	22 36.81	−13 25.5	1.752	2.760	1.6	19.6
9 8	22 29.00	−14 28.0	1.763	2.754	4.6	19.8
9 18	22 21.91	−15 20.3	1.800	2.748	8.6	20.1
9 28	22 16.38	−15 57.9	1.861	2.742	12.1	20.3
10 8	22 12.99	−16 19.0	1.944	2.736	15.2	20.5
394064 2005 XS_{54}			8 30.4	357°.40	12°.2/20.8	15
7 30	22 49.67	−30 52.6	1.002	1.938	16.2	19.6
8 9	22 47.79	−32 23.2	0.966	1.927	13.6	19.4
8 19	22 43.06	−33 37.1	0.948	1.919	12.2	19.3
8 29	22 36.64	−34 20.6	0.950	1.913	12.9	19.4
9 8	22 30.14	−34 24.9	0.970	1.911	15.3	19.5
9 18	22 25.11	−33 48.1	1.009	1.911	18.3	19.7
9 28	22 22.75	−32 33.7	1.063	1.914	21.4	19.9
10 8	22 23.59	−30 49.2	1.132	1.921	24.0	20.1
71091 1999 XN_{133}			8 30.4	58°.65	8°.1/23.7	18
7 30	23 1.89	−28 40.4	1.649	2.552	13.0	18.0
8 9	22 55.41	−29 48.0	1.617	2.563	10.2	17.8
8 19	22 46.81	−30 44.3	1.607	2.575	8.4	17.8
8 29	22 37.10	−31 21.1	1.623	2.587	8.4	17.8
9 8	22 27.51	−31 32.9	1.663	2.599	10.3	17.9
9 18	22 19.22	−31 18.5	1.726	2.611	12.9	18.1
9 28	22 13.12	−30 39.7	1.810	2.623	15.5	18.3
10 8	22 9.70	−29 40.9	1.912	2.635	17.7	18.5
254920 2005 SG_{116}			8 30.4	238°.07	2°.9/ 2.7	18
7 30	22 54.31	+ 3 5.4	2.281	3.128	12.0	21.1
8 9	22 49.70	+ 2 38.0	2.201	3.122	9.2	20.9
8 19	22 43.65	+ 1 54.9	2.143	3.117	6.1	20.7
8 29	22 36.72	+ 0 58.3	2.112	3.111	3.4	20.5
9 8	22 29.61	− 0 7.4	2.110	3.105	3.5	20.5
9 18	22 23.05	− 1 16.8	2.135	3.099	6.3	20.7
9 28	22 17.73	− 2 24.2	2.187	3.093	9.5	20.9
10 8	22 14.16	− 3 24.6	2.263	3.086	12.3	21.1
145821 1998 TK_{12}			8 30.4	228°.86	2°.5/28.5	17
7 30	23 0.34	−12 58.5	1.624	2.525	13.2	20.3
8 9	22 54.44	−13 43.2	1.560	2.521	9.4	20.1
8 19	22 46.41	−14 33.8	1.520	2.517	5.2	19.8
8 29	22 37.08	−15 23.4	1.506	2.512	2.5	19.7
9 8	22 27.56	−16 5.1	1.519	2.508	5.6	19.9
9 18	22 18.99	−16 33.6	1.557	2.503	9.9	20.1
9 28	22 12.38	−16 45.6	1.619	2.498	13.8	20.3
10 8	22 8.35	−16 40.5	1.701	2.492	17.0	20.5
62383 2000 SS_{156}			8 30.4	272°.16	2°.7/ 2.4	18
7 30	22 54.02	+ 2 18.8	2.173	3.026	12.3	19.3
8 9	22 49.56	+ 1 48.3	2.091	3.018	9.4	19.1
8 19	22 43.61	+ 1 1.6	2.032	3.009	6.1	18.9
8 29	22 36.72	+ 0 1.3	2.000	3.001	3.2	18.7
9 8	22 29.63	− 1 7.8	1.996	2.992	3.5	18.7
9 18	22 23.10	− 2 20.1	2.019	2.984	6.6	18.9
9 28	22 17.86	− 3 29.4	2.069	2.975	9.9	19.1
10 8	22 14.43	− 4 30.7	2.143	2.967	12.9	19.3
102919 1999 XC_{26}			8 30.4	320°.66	2°.1/29.0	18
7 30	22 55.47	−10 21.0	1.121	2.041	16.3	19.1
8 9	22 51.87	−11 5.8	1.045	2.015	11.7	18.7
8 19	22 45.43	−12 4.9	0.990	1.989	6.4	18.4
8 29	22 37.00	−13 10.4	0.956	1.965	2.1	18.0
9 8	22 27.93	−14 11.6	0.945	1.941	6.6	18.2
9 18	22 19.82	−14 58.8	0.957	1.918	12.4	18.5
9 28	22 14.15	−15 24.9	0.988	1.896	17.8	18.7
10 8	22 11.88	−15 26.9	1.035	1.875	22.4	18.9
251715 1997 GA_{10}			8 30.4	73°.01	2°.1/28.4	18
7 30	22 58.35	−13 45.4	2.070	2.966	11.1	20.3
8 9	22 52.46	−14 20.2	2.026	2.985	7.7	20.2
8 19	22 45.07	−14 57.7	2.008	3.004	4.2	20.0
8 29	22 36.90	−15 32.9	2.017	3.023	2.1	19.9
9 8	22 28.78	−16 1.1	2.054	3.041	4.6	20.1
9 18	22 21.53	−16 19.1	2.118	3.060	7.9	20.3
9 28	22 15.84	−16 24.9	2.207	3.079	10.9	20.5
10 8	22 12.13	−16 18.1	2.318	3.097	13.4	20.8

396276 2014 CO_{21} 8 30.4 223°.87 0°.4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.11	− 5 51.5	2.132	3.008	11.6	21.5
8 9	22 53.21	− 6 15.2	2.052	2.998	8.4	21.3
8 19	22 45.63	− 6 48.5	1.997	2.989	4.7	21.1
8 29	22 36.99	− 7 27.9	1.969	2.978	0.8	20.8
9 8	22 28.12	− 8 8.8	1.970	2.967	3.3	21.0
9 18	22 19.89	− 8 46.5	1.999	2.956	7.2	21.2
9 28	22 13.11	− 9 16.9	2.054	2.944	10.7	21.4
10 8	22 8.33	− 9 37.2	2.132	2.931	13.8	21.6

447395 2006 BG_{112} 8 30.4 267°.94 0°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.33	− 9 49.4	2.336	3.225	10.2	21.9
8 9	22 50.41	−10 27.1	2.259	3.214	7.2	21.7
8 19	22 44.05	−11 11.2	2.207	3.203	3.9	21.5
8 29	22 36.79	−11 57.8	2.183	3.192	1.0	21.3
9 8	22 29.35	−12 42.0	2.187	3.181	3.6	21.5
9 18	22 22.46	−13 19.7	2.219	3.169	7.1	21.7
9 28	22 16.83	−13 47.4	2.277	3.158	10.2	21.8
10 8	22 12.96	−14 3.2	2.358	3.146	12.9	22.0

387967 2005 HQ_{1} 8 30.4 97°.45 2°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.36	−13 20.1	1.888	2.787	11.8	21.2
8 9	22 52.71	−14 1.5	1.832	2.791	8.3	21.0
8 19	22 45.33	−14 47.1	1.800	2.796	4.6	20.8
8 29	22 36.95	−15 31.1	1.795	2.801	2.3	20.7
9 8	22 28.51	−16 7.8	1.818	2.806	5.0	20.9
9 18	22 20.93	−16 33.1	1.867	2.810	8.6	21.1
9 28	22 15.01	−16 44.2	1.941	2.815	12.0	21.3
10 8	22 11.27	−16 40.8	2.035	2.820	14.8	21.5

135549 2002 ET_{28} 8 30.4 54°.20 0°.0/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.70	− 6 37.9	1.108	2.014	17.7	19.9
8 9	22 55.61	− 7 5.6	1.076	2.037	12.5	19.6
8 19	22 47.02	− 7 47.4	1.064	2.060	6.8	19.4
8 29	22 37.15	− 8 35.9	1.075	2.084	0.9	19.1
9 8	22 27.52	− 9 22.4	1.110	2.109	4.9	19.5
9 18	22 19.48	− 9 59.8	1.169	2.133	10.2	19.8
9 28	22 14.07	−10 23.2	1.249	2.158	14.8	20.2
10 8	22 11.73	−10 30.5	1.349	2.182	18.5	20.5

42201 2001 DH_{29} 8 30.4 268°.09 1°.6/ 2.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 48.93	+ 1 23.2	4.531	5.368	6.7	19.8
8 9	22 45.34	+ 1 9.5	4.439	5.357	5.1	19.7
8 19	22 41.08	+ 0 48.7	4.373	5.345	3.3	19.6
8 29	22 36.42	+ 0 22.0	4.336	5.334	1.9	19.4
9 8	22 31.67	− 0 8.8	4.328	5.322	2.0	19.4
9 18	22 27.16	− 0 41.7	4.350	5.311	3.5	19.6
9 28	22 23.22	− 1 14.5	4.401	5.299	5.3	19.7
10 8	22 20.11	− 1 45.2	4.477	5.288	6.9	19.8

424625 2008 JF_{38} 8 30.4 59°.48 3°.3/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.02	−13 44.7	1.386	2.297	14.4	20.9
8 9	22 53.57	−14 49.0	1.343	2.308	10.1	20.7
8 19	22 45.92	−15 58.5	1.322	2.319	5.6	20.5
8 29	22 37.03	−17 4.3	1.326	2.331	3.4	20.4
9 8	22 28.15	−17 58.0	1.356	2.342	6.6	20.6
9 18	22 20.47	−18 33.7	1.410	2.354	10.8	20.9
9 28	22 14.99	−18 48.7	1.486	2.366	14.7	21.2
10 8	22 12.23	−18 43.4	1.581	2.378	17.9	21.4

447584 2006 TO_{123} 8 30.4 18°.04 6°.3/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.96	−23 11.9	1.586	2.498	12.9	20.4
8 9	22 53.43	−24 8.4	1.542	2.501	9.6	20.3
8 19	22 45.80	−24 59.7	1.521	2.506	6.9	20.1
8 29	22 37.01	−25 37.6	1.526	2.511	6.5	20.1
9 8	22 28.23	−25 56.0	1.555	2.516	8.7	20.3
9 18	22 20.59	−25 52.1	1.608	2.522	11.9	20.5
9 28	22 15.01	−25 26.1	1.683	2.529	14.9	20.7
10 8	22 12.02	−24 40.7	1.776	2.536	17.6	20.9

127520 2002 UQ_{29} 8 30.4 213°.46 18°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 14.10	−47 30.1	1.208	2.069	19.6	19.5
8 9	23 5.94	−49 59.6	1.188	2.066	18.7	19.4
8 19	22 53.30	−51 53.2	1.187	2.061	18.8	19.4
8 29	22 37.98	−52 55.1	1.203	2.056	19.8	19.5
9 8	22 22.67	−52 58.4	1.236	2.050	21.5	19.6
9 18	22 9.97	−52 6.1	1.283	2.044	23.4	19.7
9 28	22 1.66	−50 27.9	1.343	2.038	25.2	19.8
10 8	21 58.24	−48 16.1	1.413	2.030	26.8	20.0

403666 2010 TP_{158} 8 30.4 229°.29 3°.5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.85	−19 21.9	2.497	3.393	9.4	21.6
8 9	22 52.13	−20 6.4	2.429	3.385	6.8	21.4
8 19	22 44.96	−20 50.2	2.387	3.376	4.3	21.2
8 29	22 36.92	−21 28.5	2.374	3.367	3.6	21.2
9 8	22 28.74	−21 56.7	2.388	3.358	5.5	21.3
9 18	22 21.19	−22 12.0	2.430	3.349	8.2	21.4
9 28	22 14.93	−22 12.7	2.497	3.339	10.8	21.6
10 8	22 10.47	−21 59.3	2.586	3.328	13.1	21.7

220682 2004 RY_{220} 8 30.4 336°.52 2°.2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.76	− 3 22.8	1.937	2.809	12.8	19.8
8 9	22 53.77	− 2 56.0	1.862	2.802	9.5	19.6
8 19	22 45.97	− 2 39.0	1.809	2.795	5.9	19.4
8 29	22 37.06	− 2 30.5	1.784	2.789	2.5	19.2
9 8	22 27.93	− 2 27.8	1.786	2.783	3.7	19.2
9 18	22 19.55	− 2 28.1	1.815	2.777	7.4	19.4
9 28	22 12.75	− 2 27.8	1.870	2.772	11.0	19.7
10 8	22 8.14	− 2 23.9	1.947	2.768	14.1	19.9

430009 2013 QU_{81} 8 30.4 305°.53 1°.0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.57	−10 52.7	1.275	2.180	15.8	21.1
8 9	22 56.75	−10 51.7	1.195	2.157	11.4	20.8
8 19	22 48.06	−10 58.2	1.136	2.134	6.3	20.4
8 29	22 37.36	−11 6.9	1.101	2.111	1.2	20.0
9 8	22 26.06	−11 11.9	1.091	2.088	5.5	20.2
9 18	22 15.73	−11 8.1	1.105	2.066	11.2	20.5
9 28	22 7.84	−10 52.0	1.140	2.044	16.3	20.7
10 8	22 3.29	−10 22.1	1.194	2.023	20.7	20.9

85804 1998 WQ_{5} 8 30.4 132°.22 18°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 18.94	+32 51.0	1.497	2.143	25.2	19.0
8 9	23 8.44	+35 2.6	1.448	2.169	23.2	18.9
8 19	22 54.45	+36 32.6	1.414	2.193	21.1	18.8
8 29	22 38.17	+37 11.2	1.396	2.215	19.3	18.7
9 8	22 21.46	+36 55.0	1.398	2.235	18.2	18.7
9 18	22 6.32	+35 48.4	1.419	2.254	18.0	18.8
9 28	21 54.40	+34 3.8	1.460	2.270	18.7	18.9
10 8	21 46.58	+31 57.7	1.520	2.284	19.9	19.0

515958 2015 RB_{79} 8 30.4 291°.44 0°.3/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.08	− 5 36.2	2.085	2.967	11.6	21.7
8 9	22 50.39	− 6 9.1	2.007	2.957	8.3	21.4
8 19	22 44.11	− 6 52.7	1.953	2.946	4.7	21.2
8 29	22 36.83	− 7 42.9	1.926	2.936	0.8	20.9
9 8	22 29.35	− 8 34.7	1.927	2.925	3.3	21.1
9 18	22 22.47	− 9 22.9	1.956	2.915	7.2	21.3
9 28	22 16.96	−10 2.9	2.010	2.905	10.7	21.5
10 8	22 13.38	−10 31.6	2.086	2.894	13.7	21.7

301480 2009 DH_{133} 8 30.4 208°.17 1°.0/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.13	− 3 30.2	2.003	2.879	12.3	20.9
8 9	22 51.12	− 4 4.3	1.933	2.878	8.9	20.7
8 19	22 44.49	− 4 50.9	1.886	2.876	5.2	20.5
8 29	22 36.88	− 5 46.0	1.866	2.875	1.4	20.2
9 8	22 29.11	− 6 44.2	1.874	2.873	3.3	20.4
9 18	22 22.02	− 7 39.8	1.910	2.871	7.2	20.6
9 28	22 16.39	− 8 27.9	1.971	2.869	10.7	20.8
10 8	22 12.76	− 9 4.7	2.055	2.867	13.8	21.0

80511 2000 AK_{57} 8 30.4 226°.38 2°.3/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.97	−12 15.7	1.813	2.710	12.3	21.1
8 9	22 54.09	−13 12.5	1.742	2.700	8.7	20.9
8 19	22 46.23	−14 16.3	1.694	2.690	4.8	20.6
8 29	22 37.12	−15 20.5	1.674	2.680	2.3	20.4
9 8	22 27.74	−16 17.8	1.681	2.669	5.3	20.6
9 18	22 19.14	−17 2.5	1.715	2.657	9.4	20.8
9 28	22 12.29	−17 30.8	1.773	2.645	13.1	21.0
10 8	22 7.80	−17 41.4	1.852	2.633	16.2	21.2

390191 2012 WT_{22} 8 30.4 301°.08 3°.8/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.77	−16 51.1	1.720	2.626	12.4	20.5
8 9	22 53.26	−17 41.4	1.659	2.621	8.8	20.3
8 19	22 45.76	−18 33.6	1.621	2.615	5.3	20.1
8 29	22 37.05	−19 20.7	1.610	2.610	3.9	20.0
9 8	22 28.19	−19 56.1	1.625	2.605	6.5	20.1
9 18	22 20.23	−20 15.3	1.666	2.600	10.2	20.3
9 28	22 14.12	−20 16.2	1.730	2.595	13.7	20.5
10 8	22 10.44	−19 59.2	1.813	2.591	16.6	20.7

353742 2011 YE_{28} 8 30.4 236°.72 3°.9/ 7.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 50.25	+14 20.5	4.804	5.554	7.6	20.9
8 9	22 46.27	+14 33.8	4.712	5.549	6.4	20.8
8 19	22 41.60	+14 36.9	4.643	5.543	5.2	20.7
8 29	22 36.51	+14 30.0	4.599	5.538	4.2	20.6
9 8	22 31.34	+14 13.8	4.584	5.532	3.9	20.6
9 18	22 26.40	+13 50.0	4.597	5.527	4.3	20.6
9 28	22 22.02	+13 20.5	4.638	5.521	5.4	20.7
10 8	22 18.48	+12 47.9	4.704	5.515	6.6	20.8

487137 2014 OJ_{202} 8 30.4 269°.93 1°.4/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.51	− 3 45.8	2.394	3.261	10.9	21.5
8 9	22 51.97	− 3 46.7	2.307	3.246	8.0	21.3
8 19	22 44.93	− 3 56.8	2.244	3.231	4.8	21.1
8 29	22 36.95	− 4 13.8	2.209	3.216	1.7	20.9
9 8	22 28.74	− 4 34.7	2.202	3.200	3.0	20.9
9 18	22 21.04	− 4 56.0	2.224	3.185	6.4	21.1
9 28	22 14.59	− 5 14.3	2.273	3.169	9.6	21.3
10 8	22 9.90	− 5 26.8	2.345	3.154	12.4	21.5

447129 2004 VL_{45} 8 30.4 237.°98 7.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.21	+22 15.8	2.914	3.621	12.9	21.3
8 9	22 49.52	+22 25.0	2.815	3.608	11.4	21.1
8 19	22 43.55	+22 13.4	2.736	3.596	9.8	21.0
8 29	22 36.77	+21 39.7	2.680	3.583	8.4	20.9
9 8	22 29.77	+20 44.9	2.649	3.570	7.6	20.8
9 18	22 23.19	+19 32.1	2.644	3.556	7.9	20.8
9 28	22 17.63	+18 6.1	2.665	3.543	9.0	20.9
10 8	22 13.58	+16 33.4	2.712	3.528	10.7	21.0

215017 2008 XD_{49} 8 30.4 271.°95 6.°1/ 3.4 18

7 30	23 3.86	+ 5 47.1	1.865	2.694	15.0	20.4
8 9	22 56.90	+ 6 48.4	1.781	2.684	12.1	20.2
8 19	22 47.83	+ 7 33.9	1.720	2.674	9.0	20.0
8 29	22 37.34	+ 8 2.1	1.684	2.664	6.5	19.9
9 8	22 26.45	+ 8 13.2	1.675	2.654	6.4	19.8
9 18	22 16.26	+ 8 9.9	1.693	2.644	8.8	20.0
9 28	22 7.80	+ 7 56.9	1.737	2.634	12.0	20.1
10 8	22 1.80	+ 7 40.0	1.802	2.623	15.0	20.3

69339 1993 TF_{11} 8 30.4 294.°53 2.°8/ 1.4 18

7 30	22 57.94	− 0 41.1	1.336	2.221	16.6	19.5
8 9	22 53.25	− 0 53.4	1.258	2.204	12.6	19.2
8 19	22 46.04	− 1 26.3	1.199	2.186	7.9	18.9
8 29	22 37.12	− 2 17.1	1.164	2.169	3.4	18.5
9 8	22 27.69	− 3 19.1	1.153	2.152	4.7	18.6
9 18	22 19.12	− 4 24.0	1.166	2.135	9.7	18.8
9 28	22 12.68	− 5 23.0	1.203	2.119	14.6	19.1
10 8	22 9.20	− 6 9.2	1.258	2.102	18.9	19.3

178850 2001 JT_{9} 8 30.4 155.°87 2.°9/27.7 18

7 30	23 0.79	−14 1.8	1.820	2.718	12.2	20.6
8 9	22 54.51	−15 6.5	1.766	2.725	8.6	20.4
8 19	22 46.36	−16 15.5	1.737	2.732	4.9	20.2
8 29	22 37.13	−17 21.5	1.735	2.738	3.0	20.1
9 8	22 27.82	−18 17.6	1.760	2.744	5.7	20.3
9 18	22 19.43	−18 58.6	1.813	2.748	9.4	20.5
9 28	22 12.85	−19 21.8	1.889	2.753	12.8	20.7
10 8	22 8.61	−19 27.1	1.987	2.756	15.7	20.9

330387 2006 XK_{47} 8 30.4 299.°51 6.°3/25.0 18

7 30	22 57.82	−19 29.0	1.363	2.282	14.1	20.0
8 9	22 53.19	−21 3.8	1.299	2.265	10.3	19.7
8 19	22 46.00	−22 41.6	1.256	2.247	7.1	19.5
8 29	22 37.11	−24 10.8	1.239	2.230	6.7	19.4
9 8	22 27.82	−25 20.2	1.245	2.212	9.7	19.5
9 18	22 19.51	−26 2.4	1.274	2.196	13.8	19.7
9 28	22 13.46	−26 14.5	1.324	2.179	17.7	19.9
10 8	22 10.45	−25 58.2	1.390	2.163	21.0	20.1

283109 2008 UK_{280} 8 30.4 319.°53 8.°5/21.9 18

7 30	22 55.36	−24 29.2	1.392	2.314	13.6	19.7
8 9	22 51.44	−26 32.2	1.335	2.296	10.6	19.5
8 19	22 45.03	−28 33.0	1.300	2.278	8.6	19.3
8 29	22 36.98	−30 18.3	1.289	2.261	9.2	19.3
9 8	22 28.56	−31 36.5	1.302	2.245	11.9	19.5
9 18	22 21.13	−32 21.1	1.337	2.230	15.4	19.6
9 28	22 15.91	−32 30.4	1.390	2.215	18.7	19.8
10 8	22 13.67	−32 7.6	1.459	2.200	21.5	20.0

257739 2000 AU_{54} 8 30.4 241.°04 2.°3/ 2.1 18

7 30	22 56.26	+ 0 31.4	2.676	3.524	10.4	20.5
8 9	22 50.95	+ 0 28.9	2.588	3.512	7.9	20.4
8 19	22 44.33	+ 0 15.5	2.524	3.500	5.2	20.2
8 29	22 36.89	− 0 7.2	2.488	3.488	2.7	20.0
9 8	22 29.25	− 0 36.6	2.480	3.475	3.1	20.0
9 18	22 22.07	− 1 9.3	2.502	3.462	5.7	20.1
9 28	22 15.97	− 1 41.6	2.551	3.449	8.6	20.3
10 8	22 11.43	− 2 10.0	2.624	3.436	11.1	20.5

316548 2010 XR_{72} 8 30.4 351.°45 7.°7/21.4 18

7 30	22 55.85	−28 52.4	1.953	2.858	11.2	19.3
8 9	22 51.13	−30 29.8	1.910	2.855	9.0	19.2
8 19	22 44.57	−31 58.9	1.892	2.853	7.8	19.1
8 29	22 36.91	−33 11.3	1.898	2.851	8.2	19.1
9 8	22 29.15	−34 0.5	1.930	2.850	10.1	19.3
9 18	22 22.23	−34 23.6	1.985	2.849	12.4	19.4
9 28	22 17.03	−34 20.6	2.061	2.848	14.7	19.6
10 8	22 14.09	−33 54.2	2.154	2.848	16.7	19.7

30405 2000 KE_{52} 8 30.4 232.°44 2.°9/28.2 18

7 30	23 1.00	−12 27.2	1.424	2.329	14.5	19.0
8 9	22 55.22	−13 30.4	1.360	2.322	10.2	18.8
8 19	22 47.01	−14 42.1	1.318	2.315	5.7	18.5
8 29	22 37.25	−15 53.8	1.302	2.308	2.9	18.3
9 8	22 27.19	−16 56.2	1.311	2.300	6.4	18.5
9 18	22 18.18	−17 42.1	1.346	2.291	11.1	18.7
9 28	22 11.36	−18 7.2	1.402	2.282	15.4	19.0
10 8	22 7.45	−18 10.9	1.478	2.273	19.0	19.2

66178 1998 WL_{13} 8 30.4 336.°30 6.°5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.74	+10 58.2	2.035	2.847	14.6	18.3
8 9	22 50.23	+11 22.8	1.955	2.839	12.1	18.1
8 19	22 44.07	+11 26.8	1.895	2.832	9.4	18.0
8 29	22 36.86	+11 9.8	1.858	2.826	7.2	17.8
9 8	22 29.41	+10 33.6	1.847	2.820	6.6	17.8
9 18	22 22.55	+ 9 42.7	1.862	2.814	8.0	17.9
9 28	22 17.09	+ 8 43.2	1.902	2.809	10.6	18.0
10 8	22 13.62	+ 7 42.0	1.965	2.804	13.3	18.2

263719 2008 HA_{46} 8 30.4 313.°76 5.°2/24.9 18

7 30	22 57.15	−22 41.2	2.099	3.003	10.6	20.3
8 9	22 51.85	−23 43.6	2.044	3.000	7.8	20.1
8 19	22 44.89	−24 42.9	2.014	2.997	5.7	20.0
8 29	22 36.96	−25 32.4	2.011	2.994	5.4	19.9
9 8	22 28.92	−26 6.7	2.035	2.991	7.3	20.1
9 18	22 21.67	−26 22.5	2.084	2.989	10.0	20.2
9 28	22 15.96	−26 19.0	2.156	2.986	12.7	20.4
10 8	22 12.33	−25 57.3	2.248	2.984	15.0	20.6

511115 2013 WQ_{26} 8 30.4 336.°70 2.°1/29.2 18

7 30	22 57.44	−11 40.9	1.127	2.047	16.3	20.5
8 9	22 53.11	−12 5.3	1.064	2.033	11.6	20.2
8 19	22 46.02	−12 38.9	1.021	2.021	6.3	19.9
8 29	22 37.13	−13 14.4	1.000	2.009	2.1	19.6
9 8	22 27.89	−13 43.3	1.003	1.999	6.2	19.8
9 18	22 19.83	−13 59.0	1.028	1.989	11.7	20.1
9 28	22 14.28	−13 57.0	1.073	1.981	16.7	20.3
10 8	22 12.01	−13 36.4	1.136	1.974	20.9	20.6

130053 1999 VW_{171} 8 30.4 83.°46 17.°9/14.5 17

7 30	23 1.89	+27 11.2	1.158	1.907	26.7	19.5
8 9	22 56.54	+29 0.8	1.104	1.912	24.3	19.4
8 19	22 48.05	+30 6.8	1.062	1.917	21.9	19.2
8 29	22 37.41	+30 19.7	1.034	1.923	19.6	19.1
9 8	22 26.25	+29 36.9	1.023	1.928	18.2	19.0
9 18	22 16.38	+28 3.2	1.030	1.933	18.0	19.0
9 28	22 9.37	+25 52.1	1.055	1.939	19.0	19.1
10 8	22 6.13	+23 21.9	1.098	1.944	21.0	19.3

385833 2006 HJ_{31} 8 30.4 165.°97 4.°5/ 4.7 18

7 30	22 56.76	+ 8 40.6	2.296	3.109	13.1	21.7
8 9	22 51.41	+ 8 19.1	2.220	3.114	10.4	21.6
8 19	22 44.61	+ 7 38.4	2.167	3.119	7.6	21.4
8 29	22 36.93	+ 6 40.3	2.140	3.123	5.2	21.3
9 8	22 29.12	+ 5 28.7	2.141	3.126	4.7	21.2
9 18	22 21.92	+ 4 9.0	2.170	3.129	6.6	21.4
9 28	22 16.04	+ 2 47.9	2.226	3.131	9.4	21.5
10 8	22 11.96	+ 1 31.2	2.308	3.132	12.0	21.7

238903 2005 YA_{185} 8 30.5 298.°66 1.°4/31.6 18

7 30	22 55.83	− 2 27.2	1.523	2.409	14.8	20.3
8 9	22 51.49	− 3 4.7	1.442	2.391	11.0	20.0
8 19	22 44.98	− 4 1.0	1.382	2.373	6.5	19.7
8 29	22 37.01	− 5 11.4	1.347	2.355	1.9	19.3
9 8	22 28.62	− 6 28.6	1.338	2.338	4.1	19.4
9 18	22 20.98	− 7 44.2	1.354	2.320	9.0	19.7
9 28	22 15.17	− 8 50.1	1.395	2.303	13.6	19.9
10 8	22 11.95	− 9 40.7	1.455	2.286	17.5	20.1

80618 2000 AO_{175} 8 30.5 168.°57 2.°3/ 1.7 18

7 30	22 58.92	+ 0 30.1	1.878	2.738	13.7	19.6
8 9	22 53.18	− 0 2.5	1.809	2.742	10.2	19.4
8 19	22 45.67	− 0 51.8	1.763	2.745	6.4	19.2
8 29	22 37.08	− 1 54.0	1.744	2.748	2.8	19.0
9 8	22 28.33	− 3 3.3	1.753	2.751	3.6	19.1
9 18	22 20.37	− 4 13.3	1.789	2.752	7.4	19.3
9 28	22 14.03	− 5 17.4	1.851	2.753	11.1	19.5
10 8	22 9.87	− 6 10.7	1.936	2.754	14.3	19.7

353149 2009 HS_{34} 8 30.5 85.°40 5.°0/25.8 18

7 30	22 59.08	−21 20.9	1.929	2.833	11.3	20.5
8 9	22 53.28	−22 16.8	1.879	2.836	8.3	20.3
8 19	22 45.69	−23 10.1	1.853	2.839	5.7	20.2
8 29	22 37.09	−23 53.7	1.854	2.842	5.1	20.1
9 8	22 28.44	−24 22.2	1.881	2.846	7.2	20.3
9 18	22 20.70	−24 32.5	1.934	2.849	10.2	20.5
9 28	22 14.69	−24 23.7	2.011	2.852	13.1	20.7
10 8	22 10.92	−23 57.4	2.107	2.855	15.5	20.8

147866 2005 VG_{76} 8 30.5 257.°48 1.°6/ 1.0 18

7 30	22 57.42	− 2 51.1	2.279	3.145	11.4	20.2
8 9	22 51.95	− 2 55.1	2.197	3.135	8.4	20.0
8 19	22 44.96	− 3 9.5	2.140	3.126	5.1	19.8
8 29	22 37.02	− 3 32.0	2.110	3.116	2.0	19.5
9 8	22 28.87	− 3 59.1	2.108	3.106	3.1	19.6
9 18	22 21.29	− 4 27.0	2.134	3.096	6.5	19.8
9 28	22 15.01	− 4 52.0	2.187	3.085	9.8	20.0
10 8	22 10.57	− 5 10.6	2.263	3.075	12.7	20.2

21384 1998 EB_{10} 8 30.5 18°.11 3°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.70	− 1 36.0	0.886	1.798	20.4	17.0
8 9	22 52.66	− 1 6.6	0.847	1.806	15.3	16.8
8 19	22 45.72	− 1 0.2	0.825	1.816	9.6	16.5
8 29	22 37.11	− 1 14.0	0.823	1.828	4.6	16.3
9 8	22 28.51	− 1 41.2	0.841	1.841	5.6	16.4
9 18	22 21.50	− 2 13.2	0.881	1.857	10.8	16.7
9 28	22 17.31	− 2 41.5	0.941	1.874	15.8	17.1
10 8	22 16.53	− 2 59.5	1.017	1.892	20.1	17.4

166436 2002 PA_{33} 8 30.5 25°.19 3°.0/ 1.7 18

7 30	22 58.59	− 0 57.7	1.514	2.392	15.4	19.2
8 9	22 53.21	− 0 45.5	1.456	2.397	11.6	19.0
8 19	22 45.78	− 0 49.2	1.419	2.404	7.3	18.8
8 29	22 37.12	− 1 6.6	1.407	2.411	3.5	18.6
9 8	22 28.36	− 1 33.1	1.420	2.418	4.3	18.7
9 18	22 20.60	− 2 3.2	1.459	2.426	8.3	18.9
9 28	22 14.80	− 2 31.2	1.522	2.435	12.3	19.2
10 8	22 11.53	− 2 52.2	1.605	2.444	15.8	19.4

3345 Tarkovskij 8 30.5 211°.98 5°.1/ 3.7 18 R

7 30	23 2.13	+ 6 19.9	2.093	2.915	13.9	16.7
8 9	22 55.47	+ 6 47.9	2.008	2.908	11.1	16.5
8 19	22 46.98	+ 6 59.5	1.946	2.901	8.1	16.3
8 29	22 37.29	+ 6 54.2	1.910	2.893	5.6	16.2
9 8	22 27.31	+ 6 34.1	1.902	2.885	5.4	16.1
9 18	22 17.96	+ 6 2.8	1.922	2.876	7.7	16.3
9 28	22 10.13	+ 5 25.7	1.968	2.866	10.7	16.4
10 8	22 4.45	+ 4 48.4	2.037	2.856	13.6	16.6

441746 2009 BJ_{141} 8 30.5 138°.43 2°.7/27.4 18

7 30	22 56.50	−13 31.7	2.157	3.054	10.6	21.6
8 9	22 51.29	−14 50.4	2.103	3.062	7.4	21.4
8 19	22 44.57	−16 13.3	2.075	3.070	4.2	21.2
8 29	22 36.97	−17 34.0	2.075	3.078	2.7	21.1
9 8	22 29.28	−18 46.0	2.104	3.085	5.1	21.3
9 18	22 22.31	−19 44.2	2.160	3.092	8.3	21.5
9 28	22 16.76	−20 25.6	2.242	3.099	11.3	21.7
10 8	22 13.12	−20 49.4	2.345	3.105	13.8	21.9

9758 Dainty 8 30.5 189°.50 2°.7/ 2.4 18

7 30	22 57.82	+ 1 59.1	2.511	3.352	11.2	19.2
8 9	22 52.09	+ 1 50.2	2.432	3.351	8.6	19.0
8 19	22 44.98	+ 1 28.5	2.376	3.349	5.7	18.9
8 29	22 37.03	+ 0 55.8	2.349	3.347	3.1	18.7
9 8	22 28.92	+ 0 15.4	2.350	3.344	3.3	18.7
9 18	22 21.35	− 0 28.8	2.380	3.341	6.0	18.9
9 28	22 15.00	− 1 12.3	2.438	3.337	8.9	19.1
10 8	22 10.32	− 1 51.3	2.520	3.332	11.5	19.2

107765 2001 FP_{40} 8 30.5 236°.98 3°.7/27.6 18

7 30	23 2.76	−18 25.5	1.889	2.787	11.9	19.2
8 9	22 55.97	−18 51.8	1.825	2.782	8.5	19.0
8 19	22 47.22	−19 17.2	1.785	2.777	5.2	18.8
8 29	22 37.32	−19 36.0	1.772	2.771	3.8	18.7
9 8	22 27.30	−19 43.2	1.787	2.766	6.1	18.8
9 18	22 18.21	−19 36.1	1.828	2.760	9.6	19.0
9 28	22 10.94	−19 13.8	1.894	2.755	12.9	19.2
10 8	22 6.09	−18 37.2	1.980	2.749	15.7	19.4

273478 2006 YN_{16} 8 30.5 238°.94 1°.0/29.7 18

7 30	22 59.78	− 8 54.2	1.762	2.653	12.9	21.7
8 9	22 54.03	− 9 35.8	1.687	2.643	9.2	21.5
8 19	22 46.27	−10 27.2	1.635	2.631	5.0	21.2
8 29	22 37.21	−11 22.9	1.610	2.619	1.0	20.9
9 8	22 27.86	−12 16.2	1.612	2.607	4.5	21.1
9 18	22 19.28	−13 1.0	1.641	2.594	8.9	21.3
9 28	22 12.44	−13 32.8	1.695	2.581	12.8	21.6
10 8	22 8.02	−13 49.3	1.770	2.568	16.2	21.8

148381 2000 SC_{309} 8 30.5 316°.58 2°.1/28.8 18

7 30	22 59.73	−14 10.0	1.900	2.798	11.8	19.2
8 9	22 53.81	−14 25.0	1.830	2.789	8.4	19.0
8 19	22 46.05	−14 42.6	1.785	2.781	4.6	18.8
8 29	22 37.17	−14 58.3	1.766	2.773	2.1	18.6
9 8	22 28.13	−15 7.6	1.775	2.765	4.8	18.8
9 18	22 19.90	−15 7.0	1.810	2.757	8.6	19.0
9 28	22 13.35	−14 54.8	1.870	2.750	12.2	19.2
10 8	22 9.05	−14 30.4	1.952	2.743	15.2	19.4

510971 2013 GR_{98} 8 30.5 136°.91 4°.0/25.5 18

7 30	22 57.92	−22 14.2	2.709	3.604	8.8	21.7
8 9	22 52.03	−23 4.7	2.663	3.614	6.5	21.6
8 19	22 44.87	−23 52.1	2.643	3.625	4.5	21.5
8 29	22 37.02	−24 31.6	2.651	3.635	4.2	21.5
9 8	22 29.17	−24 59.5	2.688	3.645	5.8	21.6
9 18	22 21.97	−25 13.4	2.752	3.654	8.0	21.8
9 28	22 16.04	−25 12.7	2.841	3.663	10.2	21.9
10 8	22 11.77	−24 58.1	2.951	3.672	12.1	22.1

465029 2006 KJ_{59} 8 30.5 103°.82 4°.0/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.22	−14 40.2	1.403	2.312	14.4	21.4
8 9	22 55.17	−16 4.0	1.362	2.326	10.1	21.2
8 19	22 46.85	−17 31.9	1.345	2.340	5.9	21.0
8 29	22 37.28	−18 53.9	1.353	2.354	4.1	20.9
9 8	22 27.74	−20 0.6	1.386	2.368	7.2	21.1
9 18	22 19.46	−20 46.0	1.445	2.381	11.3	21.4
9 28	22 13.43	−21 7.8	1.526	2.394	15.1	21.6
10 8	22 10.20	−21 7.1	1.625	2.406	18.1	21.9

262527 2006 UN_{327} 8 30.5 224°.88 1°.4/29.0 18

7 30	22 56.22	−10 42.1	2.194	3.086	10.7	21.0
8 9	22 51.13	−11 28.3	2.126	3.082	7.5	20.8
8 19	22 44.52	−12 20.7	2.082	3.078	4.0	20.6
8 29	22 36.99	−13 14.6	2.066	3.074	1.4	20.4
9 8	22 29.32	−14 4.6	2.078	3.070	4.1	20.6
9 18	22 22.28	−14 46.1	2.118	3.065	7.6	20.8
9 28	22 16.60	−15 15.6	2.183	3.060	10.8	21.0
10 8	22 12.80	−15 31.7	2.271	3.056	13.5	21.2

514282 2015 RL_{216} 8 30.5 225°.28 3°.9/26.6 18

7 30	22 59.18	−20 32.5	2.337	3.234	9.9	21.0
8 9	22 53.13	−21 7.3	2.276	3.231	7.2	20.9
8 19	22 45.57	−21 40.0	2.241	3.228	4.7	20.7
8 29	22 37.13	−22 5.6	2.233	3.226	4.0	20.7
9 8	22 28.61	−22 20.0	2.253	3.223	5.8	20.8
9 18	22 20.82	−22 20.7	2.300	3.219	8.6	20.9
9 28	22 14.47	−22 6.8	2.373	3.216	11.2	21.1
10 8	22 10.05	−21 39.1	2.466	3.213	13.5	21.3

163826 2003 SK_{6} 8 30.5 303°.40 8°.1/24.9 18

7 30	23 6.79	−28 4.0	1.601	2.499	13.6	19.1
8 9	22 59.53	−28 43.5	1.523	2.469	10.8	18.9
8 19	22 49.51	−29 13.4	1.468	2.440	8.5	18.7
8 29	22 37.67	−29 24.4	1.437	2.411	8.3	18.6
9 8	22 25.40	−29 9.5	1.432	2.382	10.5	18.6
9 18	22 14.21	−28 26.1	1.451	2.353	13.8	18.8
9 28	22 5.41	−27 16.1	1.491	2.324	17.2	18.9
10 8	21 59.81	−25 44.3	1.550	2.295	20.3	19.1

437036 2012 TU_{309} 8 30.5 356°.99 0°.0/30.3 18

7 30	22 56.83	− 7 33.3	1.257	2.165	15.8	20.4
8 9	22 52.35	− 7 46.8	1.199	2.161	11.4	20.2
8 19	22 45.48	− 8 12.7	1.161	2.158	6.3	19.9
8 29	22 37.13	− 8 45.7	1.147	2.156	0.8	19.5
9 8	22 28.59	− 9 18.9	1.157	2.156	4.7	19.8
9 18	22 21.17	− 9 45.7	1.190	2.156	9.9	20.1
9 28	22 15.97	−10 1.0	1.245	2.157	14.6	20.4
10 8	22 13.66	−10 1.8	1.320	2.160	18.5	20.6

35992 1999 NF_{12} 8 30.5 350°.98 0°.6/29.9 18 R

7 30	22 54.97	− 8 6.6	1.851	2.745	12.2	18.8
8 9	22 50.45	− 8 48.7	1.786	2.743	8.7	18.5
8 19	22 44.22	− 9 40.4	1.744	2.741	4.7	18.3
8 29	22 36.96	−10 36.5	1.729	2.739	0.7	18.0
9 8	22 29.56	−11 30.8	1.741	2.737	4.0	18.3
9 18	22 22.90	−12 17.7	1.780	2.736	8.0	18.5
9 28	22 17.78	−12 52.9	1.843	2.735	11.6	18.7
10 8	22 14.76	−13 13.8	1.927	2.735	14.7	18.9

283052 2008 GA_{38} 8 30.5 326°.29 6°.1/24.4 18

7 30	22 58.13	−25 7.2	1.991	2.895	11.1	20.0
8 9	22 52.68	−26 7.9	1.937	2.890	8.4	19.8
8 19	22 45.42	−27 3.3	1.908	2.885	6.5	19.7
8 29	22 37.12	−27 46.2	1.904	2.880	6.4	19.7
9 8	22 28.71	−28 11.3	1.927	2.875	8.3	19.8
9 18	22 21.16	−28 15.6	1.974	2.871	10.9	20.0
9 28	22 15.29	−27 58.8	2.044	2.867	13.6	20.1
10 8	22 11.65	−27 23.1	2.133	2.863	15.9	20.3

483382 2016 TZ_{16} 8 30.5 21°.43 2°.4/29.3 17

7 30	23 3.86	−15 4.0	1.284	2.194	15.4	19.8
8 9	22 57.13	−14 50.7	1.238	2.202	10.9	19.6
8 19	22 47.94	−14 38.6	1.214	2.212	6.0	19.3
8 29	22 37.44	−14 22.8	1.215	2.222	2.4	19.1
9 8	22 27.04	−13 59.2	1.240	2.234	5.7	19.4
9 18	22 18.11	−13 25.8	1.290	2.246	10.4	19.7
9 28	22 11.69	−12 42.2	1.363	2.260	14.6	20.0
10 8	22 8.31	−11 49.1	1.455	2.274	18.1	20.2

71413 2000 AQ_{185} 8 30.5 237°.80 3°.0/ 2.8 18

7 30	22 55.67	+ 3 44.5	2.087	2.933	13.0	18.8
8 9	22 50.88	+ 3 5.7	2.001	2.923	10.0	18.6
8 19	22 44.46	+ 2 8.2	1.939	2.912	6.7	18.4
8 29	22 37.00	+ 0 54.6	1.902	2.901	3.6	18.2
9 8	22 29.29	− 0 29.6	1.893	2.889	3.7	18.1
9 18	22 22.15	− 1 58.0	1.913	2.878	6.9	18.3
9 28	22 16.37	− 3 23.3	1.960	2.865	10.4	18.5
10 8	22 12.53	− 4 39.4	2.030	2.853	13.5	18.7

360978 2005 UK_{270} 8 30.5 207°.60 0°.6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.43	− 4 29.8	2.337	3.211	10.8	22.1
8 9	22 50.48	− 5 2.8	2.264	3.209	7.8	21.9
8 19	22 44.14	− 5 45.9	2.216	3.206	4.5	21.6
8 29	22 36.96	− 6 35.5	2.195	3.204	1.0	21.4
9 8	22 29.63	− 7 27.0	2.202	3.201	2.9	21.5
9 18	22 22.87	− 8 16.0	2.238	3.197	6.4	21.8
9 28	22 17.36	− 8 58.2	2.301	3.194	9.6	22.0
10 8	22 13.57	− 9 30.5	2.386	3.191	12.3	22.1

480669 2015 OG_{71} 8 30.5 88°.44 2°.7/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.62	+ 0 3.4	1.939	2.800	13.3	20.6
8 9	22 52.88	+ 0 2.8	1.878	2.810	10.0	20.5
8 19	22 45.48	− 0 11.9	1.840	2.821	6.4	20.3
8 29	22 37.13	− 0 38.3	1.829	2.831	3.2	20.1
9 8	22 28.70	− 1 12.4	1.845	2.841	3.7	20.1
9 18	22 21.08	− 1 49.3	1.888	2.852	7.0	20.4
9 28	22 15.04	− 2 24.1	1.957	2.862	10.4	20.6
10 8	22 11.09	− 2 52.8	2.049	2.872	13.4	20.8

368457 2003 SP_{49} 8 30.5 356°.91 6°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.53	+11 26.3	1.619	2.445	17.1	20.2
8 9	22 49.66	+11 3.2	1.546	2.444	13.9	20.0
8 19	22 43.89	+10 10.9	1.493	2.443	10.5	19.8
8 29	22 36.93	+ 8 50.8	1.463	2.442	7.5	19.6
9 8	22 29.75	+ 7 8.4	1.457	2.442	6.5	19.5
9 18	22 23.36	+ 5 12.8	1.477	2.442	8.5	19.7
9 28	22 18.67	+ 3 14.6	1.522	2.442	11.8	19.9
10 8	22 16.31	+ 1 24.1	1.590	2.443	15.2	20.1

519638 2012 UZ_{182} 8 30.5 180°.53 2°.2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.72	−12 23.1	1.852	2.751	12.0	21.3
8 9	22 52.40	−13 17.1	1.792	2.752	8.4	21.0
8 19	22 45.28	−14 17.1	1.755	2.752	4.6	20.8
8 29	22 37.11	−15 16.6	1.746	2.752	2.2	20.7
9 8	22 28.80	−16 9.1	1.763	2.752	5.1	20.9
9 18	22 21.31	−16 49.5	1.808	2.752	8.9	21.1
9 28	22 15.47	−17 14.4	1.876	2.751	12.3	21.3
10 8	22 11.83	−17 22.7	1.966	2.751	15.3	21.5

169489 2002 CJ_{169} 8 30.5 121°.25 2°.0/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.80	−12 10.7	1.537	2.433	14.2	19.8
8 9	22 57.54	−12 41.2	1.489	2.447	10.0	19.6
8 19	22 48.10	−13 17.1	1.464	2.460	5.4	19.3
8 29	22 37.47	−13 51.9	1.464	2.472	2.0	19.1
9 8	22 26.87	−14 19.4	1.492	2.484	5.3	19.4
9 18	22 17.52	−14 35.1	1.547	2.496	9.6	19.7
9 28	22 10.36	−14 36.8	1.625	2.507	13.5	19.9
10 8	22 5.95	−14 24.2	1.723	2.517	16.7	20.2

328119 2008 AK_{73} 8 30.5 197°.04 1°.1/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.73	− 3 55.4	1.687	2.566	14.1	21.9
8 9	22 54.70	− 4 19.6	1.618	2.564	10.3	21.6
8 19	22 46.63	− 4 57.6	1.571	2.561	6.0	21.4
8 29	22 37.30	− 5 45.2	1.550	2.559	1.6	21.1
9 8	22 27.74	− 6 36.3	1.557	2.555	3.8	21.3
9 18	22 19.05	− 7 24.7	1.590	2.552	8.3	21.5
9 28	22 12.19	− 8 4.9	1.648	2.547	12.4	21.8
10 8	22 7.81	− 8 33.1	1.728	2.543	15.9	22.0

358462 2007 FJ_{16} 8 30.5 94°.94 0°.2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.83	− 6 4.6	2.272	3.152	10.9	21.2
8 9	22 50.71	− 6 37.2	2.214	3.162	7.8	21.0
8 19	22 44.23	− 7 18.4	2.180	3.173	4.3	20.8
8 29	22 36.97	− 8 4.4	2.174	3.183	0.7	20.5
9 8	22 29.66	− 8 50.5	2.196	3.194	3.0	20.7
9 18	22 23.02	− 9 32.4	2.246	3.204	6.5	21.0
9 28	22 17.69	−10 6.4	2.323	3.214	9.6	21.2
10 8	22 14.11	−10 30.2	2.422	3.224	12.3	21.4

242150 2003 CW_{9} 8 30.5 136°.35 1°.0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.44	− 2 22.3	2.344	3.211	11.1	21.2
8 9	22 50.44	− 3 5.7	2.280	3.219	8.1	21.0
8 19	22 44.09	− 4 0.6	2.240	3.227	4.7	20.8
8 29	22 36.96	− 5 3.3	2.228	3.235	1.4	20.6
9 8	22 29.75	− 6 8.7	2.244	3.243	2.8	20.7
9 18	22 23.15	− 7 11.8	2.290	3.250	6.2	20.9
9 28	22 17.80	− 8 7.9	2.362	3.257	9.3	21.1
10 8	22 14.16	− 8 53.8	2.458	3.264	12.0	21.3

385844 2006 JF_{52} 8 30.5 116°.01 8°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.57	−31 12.7	1.879	2.773	12.1	20.5
8 9	22 55.19	−32 38.2	1.845	2.781	9.9	20.4
8 19	22 46.81	−33 51.8	1.835	2.789	8.6	20.3
8 29	22 37.31	−34 45.0	1.851	2.796	8.9	20.4
9 8	22 27.83	−35 12.5	1.891	2.804	10.6	20.5
9 18	22 19.47	−35 12.6	1.954	2.811	12.9	20.7
9 28	22 13.11	−34 46.9	2.038	2.818	15.1	20.8
10 8	22 9.28	−33 59.4	2.140	2.825	17.0	21.0

469921 2005 YZ_{169} 8 30.5 51°.02 4°.3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.38	−14 44.3	1.458	2.372	13.6	20.2
8 9	22 51.74	−16 25.0	1.415	2.381	9.6	20.0
8 19	22 45.02	−18 10.5	1.395	2.391	5.7	19.8
8 29	22 37.09	−19 50.4	1.401	2.401	4.4	19.7
9 8	22 29.10	−21 14.5	1.433	2.411	7.4	19.9
9 18	22 22.18	−22 16.3	1.489	2.421	11.3	20.2
9 28	22 17.27	−22 52.5	1.567	2.432	14.9	20.4
10 8	22 14.91	−23 3.8	1.664	2.443	17.9	20.7

178149 2006 TO_{91} 8 30.5 338°.75 3°.5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.62	+ 3 29.0	1.997	2.846	13.4	20.3
8 9	22 50.83	+ 3 17.8	1.924	2.846	10.3	20.2
8 19	22 44.42	+ 2 49.5	1.873	2.845	7.0	20.0
8 29	22 37.02	+ 2 6.0	1.848	2.844	4.1	19.8
9 8	22 29.45	+ 1 11.7	1.849	2.844	4.1	19.8
9 18	22 22.54	+ 0 12.1	1.878	2.843	7.0	20.0
9 28	22 17.08	− 0 46.7	1.933	2.843	10.3	20.2
10 8	22 13.59	− 1 39.3	2.011	2.842	13.3	20.4

378247 2007 CK_{61} 8 30.5 209°.79 1°.4/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.79	− 2 25.1	1.875	2.746	13.2	21.5
8 9	22 53.20	− 2 56.1	1.800	2.741	9.7	21.3
8 19	22 45.78	− 3 41.4	1.748	2.736	5.8	21.1
8 29	22 37.20	− 4 37.3	1.723	2.731	1.9	20.8
9 8	22 28.40	− 5 37.9	1.726	2.724	3.5	20.9
9 18	22 20.32	− 6 37.1	1.756	2.718	7.6	21.1
9 28	22 13.85	− 7 29.1	1.812	2.711	11.5	21.4
10 8	22 9.58	− 8 9.8	1.890	2.703	14.7	21.6

482730 2013 EA_{84} 8 30.5 162°.32 0°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.13	− 5 22.2	2.150	3.032	11.3	21.1
8 9	22 49.67	− 6 25.1	2.082	3.032	8.1	20.9
8 19	22 43.74	− 7 39.2	2.039	3.033	4.4	20.6
8 29	22 36.93	− 8 59.5	2.024	3.033	0.5	20.3
9 8	22 29.98	−10 19.7	2.037	3.034	3.4	20.6
9 18	22 23.65	−11 33.6	2.078	3.034	7.1	20.8
9 28	22 18.64	−12 36.4	2.145	3.034	10.4	21.0
10 8	22 15.45	−13 24.7	2.235	3.034	13.2	21.2

436184 2009 WH_{41} 8 30.5 313°.70 11°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.02	−32 43.2	1.438	2.342	14.4	20.4
8 9	22 55.51	−34 27.6	1.393	2.332	12.2	20.3
8 19	22 47.29	−35 57.9	1.370	2.322	11.1	20.2
8 29	22 37.40	−37 2.0	1.370	2.312	11.7	20.2
9 8	22 27.33	−37 31.5	1.392	2.303	13.8	20.3
9 18	22 18.55	−37 24.0	1.435	2.294	16.5	20.5
9 28	22 12.31	−36 41.8	1.495	2.286	19.2	20.6
10 8	22 9.28	−35 31.0	1.571	2.277	21.5	20.8

94125 2000 YU_{111} 8 30.5 320°.34 5°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.01	+ 2 18.9	1.445	2.311	16.7	18.7
8 9	22 54.67	+ 3 8.5	1.363	2.293	13.1	18.4
8 19	22 46.87	+ 3 41.2	1.302	2.275	9.2	18.2
8 29	22 37.38	+ 3 56.0	1.264	2.258	6.0	17.9
9 8	22 27.36	+ 3 54.3	1.251	2.242	6.1	17.9
9 18	22 18.13	+ 3 40.2	1.262	2.226	9.7	18.1
9 28	22 10.94	+ 3 19.8	1.296	2.211	13.8	18.3
10 8	22 6.62	+ 2 59.7	1.350	2.197	17.7	18.5

401803 2014 HB_{156} 8 30.5 170°.30 2°.5/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.44	−13 43.8	2.021	2.919	11.2	20.9
8 9	22 52.08	−14 35.5	1.961	2.920	7.8	20.7
8 19	22 45.08	−15 31.2	1.925	2.921	4.4	20.5
8 29	22 37.11	−16 25.2	1.917	2.922	2.5	20.4
9 8	22 29.03	−17 11.7	1.937	2.922	5.0	20.6
9 18	22 21.71	−17 46.1	1.983	2.923	8.5	20.8
9 28	22 15.91	−18 5.8	2.054	2.923	11.7	21.0
10 8	22 12.16	−18 10.0	2.147	2.923	14.4	21.2

242310 2003 WN_{97} 8 30.5 219°.04 3°.1/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.66	−15 16.2	2.033	2.933	11.0	20.7
8 9	22 52.31	−16 19.8	1.969	2.928	7.8	20.5
8 19	22 45.24	−17 26.9	1.929	2.923	4.6	20.3
8 29	22 37.14	−18 31.1	1.917	2.918	3.2	20.2
9 8	22 28.87	−19 25.9	1.932	2.912	5.6	20.3
9 18	22 21.32	−20 6.7	1.975	2.906	9.0	20.5
9 28	22 15.29	−20 30.5	2.042	2.900	12.2	20.7
10 8	22 11.35	−20 36.9	2.129	2.894	14.9	20.9

101565 1999 AD_{21} 8 30.5 265°.46 1°.1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.71	−10 0.3	1.610	2.506	13.6	18.7
8 9	22 54.83	−10 25.2	1.539	2.497	9.7	18.5
8 19	22 46.78	−10 58.3	1.492	2.488	5.3	18.2
8 29	22 37.36	−11 34.4	1.470	2.479	1.1	17.9
9 8	22 27.67	−12 7.2	1.475	2.470	4.7	18.1
9 18	22 18.88	−12 31.5	1.505	2.461	9.3	18.4
9 28	22 12.02	−12 43.4	1.560	2.451	13.4	18.6
10 8	22 7.77	−12 41.0	1.635	2.442	17.0	18.8

330295 2006 TQ_{38} 8 30.5 280°.12 3°.6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.28	+ 2 27.9	1.491	2.359	16.1	20.6
8 9	22 52.54	+ 2 9.2	1.416	2.350	12.4	20.4
8 19	22 45.61	+ 1 28.1	1.361	2.340	8.2	20.1
8 29	22 37.22	+ 0 27.5	1.330	2.331	4.3	19.8
9 8	22 28.49	− 0 46.6	1.324	2.322	4.6	19.8
9 18	22 20.58	− 2 5.8	1.344	2.312	8.8	20.1
9 28	22 14.58	− 3 21.1	1.388	2.303	13.1	20.3
10 8	22 11.22	− 4 25.2	1.452	2.293	17.0	20.5

272180 2005 OS_{31} 8 30.5 313°.77 1°.8/31.9 18

7 30	22 55.41	− 2 2.4	1.323	2.216	16.2	20.4
8 9	22 51.49	− 2 31.6	1.245	2.197	12.1	20.1
8 19	22 45.16	− 3 21.6	1.187	2.178	7.3	19.8
8 29	22 37.18	− 4 28.2	1.152	2.160	2.4	19.4
9 8	22 28.72	− 5 43.7	1.142	2.142	4.4	19.5
9 18	22 21.09	− 6 58.7	1.156	2.125	9.7	19.8
9 28	22 15.52	− 8 4.1	1.192	2.108	14.7	20.0
10 8	22 12.84	− 8 53.1	1.248	2.093	19.0	20.3

428170 2006 SO_{395} 8 30.5 204°.92 0°.4/30.9 17

7 30	22 59.75	− 4 57.2	1.817	2.697	13.2	22.5
8 9	22 53.95	− 5 37.4	1.745	2.693	9.5	22.3
8 19	22 46.23	− 6 30.5	1.696	2.688	5.4	22.0
8 29	22 37.31	− 7 31.6	1.673	2.683	0.9	21.7
9 8	22 28.15	− 8 34.3	1.679	2.677	3.7	21.9
9 18	22 19.77	− 9 32.4	1.712	2.670	8.1	22.2
9 28	22 13.07	−10 20.2	1.770	2.663	12.0	22.4
10 8	22 8.68	−10 54.4	1.850	2.655	15.3	22.6

133199 2003 QJ_{62} 8 30.5 311°.53 3°.4/ 3.8 18

7 30	22 52.22	+ 6 7.8	2.224	3.061	12.6	19.1
8 9	22 48.36	+ 5 22.5	2.139	3.052	9.9	18.9
8 19	22 43.07	+ 4 17.5	2.077	3.043	6.9	18.7
8 29	22 36.90	+ 2 55.5	2.040	3.034	4.1	18.5
9 8	22 30.52	+ 1 21.5	2.032	3.026	3.8	18.5
9 18	22 24.67	− 0 17.7	2.052	3.017	6.4	18.6
9 28	22 20.04	− 1 55.1	2.099	3.009	9.5	18.8
10 8	22 17.13	− 3 24.2	2.170	3.001	12.5	19.0

509956 2009 SF_{133} 8 30.5 353°.59 3°.6/28.3 18

7 30	22 53.44	−13 29.9	0.943	1.878	17.1	20.1
8 9	22 50.53	−14 10.2	0.892	1.869	12.2	19.8
8 19	22 44.74	−14 58.9	0.860	1.861	6.8	19.5
8 29	22 37.14	−15 46.3	0.848	1.855	3.6	19.3
9 8	22 29.30	−16 21.8	0.858	1.851	7.6	19.5
9 18	22 22.81	−16 37.8	0.888	1.850	13.0	19.8
9 28	22 19.01	−16 30.6	0.936	1.850	18.0	20.1
10 8	22 18.59	−16 0.3	1.001	1.852	22.2	20.4

106665 2000 WA_{146} 8 30.5 349°.89 5°.0/25.4 18

7 30	22 54.94	−19 2.4	1.747	2.660	11.8	18.9
8 9	22 50.60	−20 27.0	1.693	2.656	8.5	18.7
8 19	22 44.40	−21 52.4	1.663	2.653	5.7	18.5
8 29	22 37.08	−23 10.0	1.659	2.651	5.2	18.4
9 8	22 29.61	−24 12.1	1.681	2.648	7.7	18.6
9 18	22 22.96	−24 53.6	1.728	2.647	10.9	18.8
9 28	22 18.03	−25 12.1	1.797	2.645	14.1	19.0
10 8	22 15.38	−25 8.5	1.885	2.644	16.7	19.2

123945 2001 EM_{21} 8 30.5 142°.18 1°.2/31.9 18

7 30	22 55.91	− 2 58.5	2.627	3.490	10.1	20.2
8 9	22 50.67	− 3 17.8	2.560	3.497	7.4	20.0
8 19	22 44.21	− 3 46.3	2.517	3.504	4.4	19.8
8 29	22 37.05	− 4 21.4	2.503	3.510	1.5	19.6
9 8	22 29.81	− 4 59.5	2.518	3.516	2.6	19.7
9 18	22 23.12	− 5 37.0	2.562	3.522	5.6	19.9
9 28	22 17.57	− 6 10.5	2.633	3.528	8.5	20.1
10 8	22 13.57	− 6 37.1	2.728	3.533	10.9	20.3

239791 2010 EW_{33} 8 30.5 149°.42 1°.3/29.3 18

7 30	22 59.42	−10 41.2	1.937	2.829	11.9	21.1
8 9	22 53.53	−11 15.9	1.877	2.833	8.4	20.9
8 19	22 45.90	−11 56.7	1.841	2.837	4.5	20.7
8 29	22 37.28	−12 38.7	1.832	2.841	1.3	20.5
9 8	22 28.56	−13 16.5	1.851	2.844	4.2	20.7
9 18	22 20.66	−13 45.5	1.898	2.848	8.1	20.9
9 28	22 14.40	−14 2.7	1.969	2.851	11.5	21.2
10 8	22 10.28	−14 6.8	2.062	2.853	14.4	21.4

477149 2009 DT_{76} 8 30.5 201°.23 0°.7/29.8 18

7 30	22 59.50	− 9 42.8	2.361	3.242	10.5	21.6
8 9	22 53.39	−10 6.0	2.288	3.238	7.4	21.4
8 19	22 45.78	−10 34.8	2.240	3.234	4.0	21.2
8 29	22 37.27	−11 5.6	2.220	3.230	0.7	20.9
9 8	22 28.61	−11 34.2	2.230	3.224	3.4	21.1
9 18	22 20.58	−11 57.2	2.268	3.219	6.9	21.3
9 28	22 13.89	−12 11.6	2.333	3.213	10.1	21.5
10 8	22 9.05	−12 16.0	2.421	3.206	12.7	21.7

96891 1999 TC_{37} 8 30.5 140°.46 7°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.26	−28 42.1	1.939	2.835	11.7	18.5
8 9	22 55.63	−29 52.5	1.898	2.841	9.2	18.4
8 19	22 47.07	−30 53.5	1.882	2.846	7.6	18.3
8 29	22 37.43	−31 37.4	1.891	2.851	7.7	18.3
9 8	22 27.80	−31 59.0	1.927	2.857	9.5	18.4
9 18	22 19.22	−31 56.2	1.986	2.861	11.9	18.6
9 28	22 12.58	−31 30.2	2.068	2.866	14.3	18.8
10 8	22 8.37	−30 44.3	2.167	2.870	16.4	18.9

202297 2005 CH_{43} 8 30.5 110°.86 0°.1/30.6 18

7 30	22 58.56	− 6 36.2	1.835	2.721	12.8	20.4
8 9	22 52.99	− 7 1.9	1.774	2.725	9.1	20.2
8 19	22 45.64	− 7 37.7	1.736	2.729	5.1	20.0
8 29	22 37.26	− 8 19.0	1.724	2.733	0.7	19.7
9 8	22 28.76	− 9 0.6	1.740	2.737	3.7	19.9
9 18	22 21.10	− 9 37.2	1.782	2.741	7.8	20.2
9 28	22 15.10	−10 4.7	1.850	2.745	11.5	20.4
10 8	22 11.29	−10 20.5	1.940	2.749	14.6	20.7

334400 2002 CL_{264} 8 30.5 240°.67 0°.6/29.9 18

7 30	22 57.94	− 7 29.1	1.890	2.778	12.3	21.8
8 9	22 52.66	− 8 18.7	1.814	2.767	8.8	21.6
8 19	22 45.55	− 9 19.2	1.761	2.756	4.8	21.3
8 29	22 37.26	−10 25.3	1.735	2.745	0.7	21.0
9 8	22 28.70	−11 30.5	1.737	2.733	4.0	21.3
9 18	22 20.82	−12 28.4	1.766	2.721	8.2	21.5
9 28	22 14.52	−13 14.0	1.821	2.708	12.0	21.7
10 8	22 10.41	−13 44.4	1.897	2.695	15.3	21.9

310639 2002 CE_{173} 8 30.5 129°.74 2°.5/28.5 17

7 30	23 2.42	−12 17.0	1.598	2.496	13.6	21.4
8 9	22 55.87	−13 16.4	1.550	2.509	9.6	21.2
8 19	22 47.25	−14 21.8	1.526	2.522	5.2	21.0
8 29	22 37.47	−15 25.5	1.528	2.534	2.5	20.8
9 8	22 27.68	−16 20.0	1.557	2.545	5.6	21.0
9 18	22 19.00	−16 59.8	1.612	2.556	9.7	21.3
9 28	22 12.37	−17 21.8	1.691	2.566	13.5	21.6
10 8	22 8.33	−17 25.8	1.791	2.576	16.5	21.8

20426 Fridlund 8 30.5 74°.33 7°.5/21.3 18

7 30	22 57.46	−30 17.7	2.152	3.049	10.7	17.9
8 9	22 52.13	−31 52.9	2.123	3.061	8.7	17.8
8 19	22 45.13	−33 18.1	2.118	3.073	7.6	17.7
8 29	22 37.19	−34 25.8	2.140	3.085	8.0	17.8
9 8	22 29.24	−35 10.9	2.187	3.097	9.6	17.9
9 18	22 22.16	−35 31.3	2.258	3.109	11.6	18.0
9 28	22 16.72	−35 27.6	2.350	3.121	13.6	18.2
10 8	22 13.39	−35 2.6	2.460	3.132	15.3	18.4

45012 1999 VY_{222} 8 30.5 225°.85 1°.3/29.0 18

7 30	22 56.16	− 8 36.4	2.109	2.998	11.2	19.2
8 9	22 51.25	− 9 53.3	2.034	2.990	7.9	19.0
8 19	22 44.71	−11 20.2	1.985	2.981	4.2	18.7
8 29	22 37.15	−12 51.1	1.964	2.972	1.3	18.5
9 8	22 29.37	−14 18.8	1.972	2.963	4.2	18.7
9 18	22 22.18	−15 36.8	2.007	2.953	8.0	18.9
9 28	22 16.38	−16 40.1	2.069	2.943	11.4	19.1
10 8	22 12.52	−17 26.0	2.152	2.933	14.3	19.3

296506 2009 KL_{3} 8 30.5 7°.09 7°.3/25.5 17

7 30	22 58.34	−20 39.4	1.076	2.004	16.1	19.8
8 9	22 53.80	−22 1.6	1.035	2.004	11.8	19.6
8 19	22 46.43	−23 21.7	1.014	2.005	8.2	19.4
8 29	22 37.38	−24 27.0	1.015	2.007	7.6	19.4
9 8	22 28.26	−25 6.9	1.038	2.010	10.6	19.6
9 18	22 20.63	−25 16.3	1.083	2.014	14.7	19.8
9 28	22 15.71	−24 55.4	1.146	2.018	18.7	20.1
10 8	22 14.11	−24 8.2	1.225	2.024	22.0	20.3

328155 2008 CW_{129} 8 30.5 152°.94 0°.3/30.8 17

7 30	22 59.16	− 4 45.3	1.622	2.507	14.2	21.6
8 9	22 53.62	− 5 34.3	1.561	2.512	10.2	21.3
8 19	22 46.08	− 6 37.6	1.523	2.516	5.7	21.1
8 29	22 37.34	− 7 49.2	1.511	2.520	0.9	20.7
9 8	22 28.45	− 9 1.6	1.526	2.524	4.0	21.0
9 18	22 20.48	−10 7.4	1.567	2.527	8.6	21.3
9 28	22 14.37	−11 0.8	1.633	2.530	12.6	21.5
10 8	22 10.72	−11 38.1	1.720	2.532	16.0	21.8

4800 Veveri 8 30.5 342°.65 2°.1/ 1.8 18

7 30	22 53.21	+ 0 35.4	1.861	2.730	13.3	16.1
8 9	22 49.26	− 0 7.2	1.788	2.725	10.0	15.9
8 19	22 43.65	− 1 7.6	1.737	2.721	6.2	15.7
8 29	22 37.03	− 2 21.8	1.712	2.717	2.7	15.4
9 8	22 30.21	− 3 43.4	1.715	2.714	3.4	15.5
9 18	22 24.05	− 5 5.3	1.744	2.711	7.2	15.7
9 28	22 19.36	− 6 20.6	1.799	2.708	11.0	15.9
10 8	22 16.69	− 7 23.7	1.876	2.706	14.2	16.1

468045 2013 QB_{85} 8 30.5 357.°36 3.°0/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 43.93	− 0 23.6	0.743	1.675	20.8	19.6
8 9	22 43.98	− 0 47.1	0.694	1.665	15.7	19.3
8 19	22 41.26	− 1 43.7	0.661	1.657	9.8	18.9
8 29	22 36.72	− 3 7.4	0.646	1.653	3.9	18.6
9 8	22 31.91	− 4 45.3	0.649	1.652	5.3	18.7
9 18	22 28.39	− 6 21.6	0.671	1.654	11.4	19.0
9 28	22 27.52	− 7 41.5	0.710	1.658	17.2	19.4
10 8	22 29.99	− 8 35.7	0.766	1.666	22.1	19.7

398097 2009 RV_{75} 8 30.5 6.°65 4.°1/ 3.3 18

7 30	22 56.34	+ 3 49.5	2.039	2.884	13.3	20.1
8 9	22 51.34	+ 4 2.4	1.967	2.885	10.4	19.9
8 19	22 44.74	+ 3 59.5	1.918	2.885	7.2	19.7
8 29	22 37.17	+ 3 41.8	1.894	2.886	4.6	19.6
9 8	22 29.44	+ 3 12.5	1.897	2.888	4.5	19.6
9 18	22 22.37	+ 2 35.7	1.927	2.889	7.0	19.7
9 28	22 16.73	+ 1 56.7	1.982	2.891	10.1	19.9
10 8	22 13.05	+ 1 20.5	2.061	2.893	13.0	20.1

494455 2016 UB_{146} 8 30.5 291.°90 0.°1/30.4 18

7 30	22 57.75	− 7 25.1	1.829	2.718	12.6	21.0
8 9	22 52.54	− 7 49.6	1.756	2.709	9.1	20.8
8 19	22 45.49	− 8 23.9	1.706	2.701	5.0	20.5
8 29	22 37.28	− 9 3.5	1.683	2.692	0.6	20.2
9 8	22 28.85	− 9 43.2	1.686	2.684	3.8	20.4
9 18	22 21.15	−10 17.7	1.717	2.676	8.1	20.7
9 28	22 15.07	−10 42.7	1.772	2.667	11.9	20.9
10 8	22 11.23	−10 55.6	1.849	2.659	15.1	21.1

402800 2007 DY_{62} 8 30.5 122.°51 1.°6/28.6 18

7 30	22 56.53	−12 22.1	2.618	3.506	9.3	22.3
8 9	22 51.10	−13 5.0	2.565	3.520	6.5	22.2
8 19	22 44.45	−13 51.2	2.538	3.534	3.5	22.0
8 29	22 37.13	−14 36.7	2.540	3.547	1.6	21.9
9 8	22 29.78	−15 17.2	2.571	3.559	3.7	22.1
9 18	22 23.05	−15 49.5	2.631	3.572	6.6	22.3
9 28	22 17.51	−16 11.3	2.717	3.584	9.2	22.5
10 8	22 13.57	−16 21.5	2.825	3.595	11.5	22.6

329217 2012 DM_{77} 8 30.5 61.°63 3.°5/27.9 17

7 30	23 0.56	−13 23.0	1.259	2.172	15.4	20.0
8 9	22 54.79	−14 34.7	1.228	2.194	10.8	19.8
8 19	22 46.71	−15 51.3	1.218	2.215	6.0	19.6
8 29	22 37.43	−17 3.0	1.233	2.237	3.5	19.5
9 8	22 28.31	−18 0.6	1.272	2.259	6.8	19.8
9 18	22 20.60	−18 38.2	1.336	2.281	11.2	20.1
9 28	22 15.27	−18 53.7	1.422	2.303	15.1	20.4
10 8	22 12.80	−18 48.0	1.526	2.325	18.3	20.7

220982 2005 NR_{11} 8 30.5 7.°12 5.°9/ 3.3 16

7 30	22 52.28	+ 2 38.9	0.896	1.800	20.9	19.0
8 9	22 49.66	+ 3 9.5	0.849	1.800	16.3	18.7
8 19	22 44.25	+ 3 11.0	0.819	1.803	11.2	18.4
8 29	22 37.14	+ 2 44.7	0.808	1.808	6.8	18.2
9 8	22 29.84	+ 1 57.2	0.817	1.815	6.6	18.3
9 18	22 23.90	+ 0 58.7	0.846	1.824	10.8	18.5
9 28	22 20.59	+ 0 0.7	0.895	1.835	15.6	18.8
10 8	22 20.57	− 0 47.1	0.961	1.848	19.9	19.1

473234 2015 LA 8 30.5 356.°74 4.°4/ 4.9 16

7 30	22 50.58	+13 35.9	1.296	2.131	20.0	19.6
8 9	22 47.98	+11 2.5	1.216	2.126	16.0	19.3
8 19	22 43.19	+ 7 37.1	1.157	2.123	11.1	19.0
8 29	22 37.00	+ 3 27.3	1.124	2.120	6.1	18.8
9 8	22 30.53	− 1 8.4	1.120	2.119	4.8	18.7
9 18	22 24.96	− 5 45.0	1.146	2.119	9.2	18.9
9 28	22 21.38	− 9 58.2	1.201	2.121	14.3	19.2
10 8	22 20.47	−13 31.7	1.280	2.123	18.7	19.5

76268 2000 EU_{105} 8 30.5 241.°94 1.°8/28.6 18

7 30	22 55.76	−10 8.8	2.050	2.944	11.2	19.4
8 9	22 51.01	−11 23.6	1.978	2.936	7.9	19.2
8 19	22 44.61	−12 47.2	1.931	2.927	4.3	18.9
8 29	22 37.19	−14 13.3	1.911	2.919	1.8	18.8
9 8	22 29.54	−15 34.8	1.920	2.910	4.6	18.9
9 18	22 22.51	−16 45.2	1.957	2.900	8.3	19.1
9 28	22 16.90	−17 40.1	2.019	2.891	11.7	19.3
10 8	22 13.27	−18 17.2	2.102	2.881	14.6	19.5

261389 2005 UK_{402} 8 30.5 191.°56 3.°5/26.2 18

7 30	22 57.81	−20 27.8	2.802	3.695	8.6	21.9
8 9	22 52.05	−21 13.9	2.740	3.693	6.2	21.7
8 19	22 45.01	−21 58.5	2.705	3.691	4.1	21.6
8 29	22 37.23	−22 37.0	2.698	3.688	3.6	21.5
9 8	22 29.36	−23 5.7	2.721	3.685	5.3	21.6
9 18	22 22.06	−23 21.9	2.771	3.682	7.6	21.8
9 28	22 15.94	−23 24.5	2.847	3.678	9.9	21.9
10 8	22 11.43	−23 13.8	2.944	3.674	11.9	22.1

185462 2007 BH_4 8 30.5 127.°12 4.°7/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.86	−21 9.6	2.206	3.108	10.2	20.1
8 9	22 51.64	−22 19.1	2.155	3.112	7.4	20.0
8 19	22 44.88	−23 26.6	2.130	3.115	5.2	19.8
8 29	22 37.22	−24 25.7	2.132	3.118	4.9	19.8
9 8	22 29.49	−25 10.9	2.161	3.121	6.8	20.0
9 18	22 22.48	−25 38.8	2.217	3.124	9.4	20.1
9 28	22 16.93	−25 48.1	2.296	3.127	12.0	20.3
10 8	22 13.32	−25 39.6	2.395	3.129	14.2	20.5

43950 1997 BG_1 8 30.5 148.°65 0.°8/29.6 18

7 30	22 57.97	− 8 16.1	2.269	3.150	10.8	19.8
8 9	22 52.32	− 9 12.6	2.209	3.160	7.6	19.7
8 19	22 45.21	−10 16.9	2.175	3.170	4.1	19.5
8 29	22 37.28	−11 23.8	2.170	3.179	0.8	19.2
9 8	22 29.27	−12 27.8	2.194	3.187	3.6	19.5
9 18	22 21.94	−13 23.9	2.246	3.195	7.1	19.7
9 28	22 15.98	−14 8.4	2.325	3.202	10.2	19.9
10 8	22 11.85	−14 39.3	2.426	3.209	12.8	20.1

328172 2008 CJ_{215} 8 30.5 140.°22 2.°7/28.3 17

7 30	23 0.47	−12 29.5	1.610	2.511	13.4	21.1
8 9	22 54.58	−13 33.3	1.557	2.517	9.4	20.9
8 19	22 46.62	−14 43.4	1.527	2.524	5.2	20.7
8 29	22 37.47	−15 52.3	1.524	2.530	2.7	20.5
9 8	22 28.23	−16 51.8	1.548	2.536	5.7	20.7
9 18	22 20.01	−17 36.3	1.598	2.541	9.9	21.0
9 28	22 13.74	−18 2.3	1.671	2.546	13.6	21.2
10 8	22 10.01	−18 9.3	1.764	2.550	16.7	21.5

39482 1981 DD_2 8 30.5 180.°03 3.°2/ 3.1 18

7 30	22 56.20	+ 3 34.7	2.452	3.290	11.6	20.0
8 9	22 51.04	+ 3 29.7	2.376	3.290	9.0	19.9
8 19	22 44.53	+ 3 10.9	2.323	3.291	6.1	19.7
8 29	22 37.20	+ 2 39.6	2.297	3.291	3.7	19.5
9 8	22 29.72	+ 1 59.2	2.298	3.291	3.7	19.5
9 18	22 22.79	+ 1 13.6	2.329	3.290	6.1	19.7
9 28	22 17.05	+ 0 27.5	2.386	3.290	8.9	19.9
10 8	22 12.99	− 0 14.9	2.467	3.289	11.5	20.1

451597 2012 CP_9 8 30.5 120.°81 1.°2/31.8 18

7 30	22 57.22	− 3 49.1	2.344	3.212	11.0	21.7
8 9	22 51.77	− 3 56.1	2.275	3.216	8.0	21.5
8 19	22 44.92	− 4 12.5	2.231	3.219	4.8	21.3
8 29	22 37.24	− 4 35.7	2.215	3.222	1.6	21.1
9 8	22 29.47	− 5 2.1	2.226	3.225	2.9	21.2
9 18	22 22.32	− 5 28.2	2.267	3.228	6.2	21.4
9 28	22 16.45	− 5 50.4	2.333	3.231	9.3	21.6
10 8	22 12.33	− 6 6.1	2.423	3.233	12.0	21.8

157365 2004 TV_{118} 8 30.5 242.°20 8.°1/20.0 18

7 30	23 0.14	−36 3.7	2.504	3.379	10.1	20.2
8 9	22 54.03	−37 15.4	2.458	3.372	8.8	20.1
8 19	22 46.22	−38 15.4	2.436	3.364	8.1	20.0
8 29	22 37.42	−38 57.1	2.440	3.356	8.6	20.1
9 8	22 28.52	−39 16.4	2.469	3.347	9.9	20.1
9 18	22 20.41	−39 11.9	2.522	3.339	11.6	20.2
9 28	22 13.89	−38 44.5	2.595	3.330	13.3	20.4
10 8	22 9.48	−37 57.3	2.685	3.322	14.8	20.5

364601 2007 RL_{206} 8 30.5 46.°83 1.°0/31.2 17

7 30	22 57.83	− 2 59.3	1.051	1.956	18.5	20.3
8 9	22 53.23	− 3 50.7	1.011	1.970	13.4	20.1
8 19	22 46.04	− 5 3.6	0.990	1.985	7.6	19.8
8 29	22 37.39	− 6 29.4	0.991	2.000	1.7	19.5
9 8	22 28.77	− 7 56.6	1.016	2.017	4.8	19.8
9 18	22 21.58	− 9 14.3	1.064	2.033	10.4	20.1
9 28	22 16.94	−10 14.4	1.134	2.050	15.3	20.5
10 8	22 15.38	−10 52.8	1.222	2.068	19.3	20.8

374773 2006 SM_{352} 8 30.5 26.°90 0.°0/30.6 17

7 30	23 2.06	− 8 14.6	1.166	2.072	16.9	20.1
8 9	22 56.18	− 8 11.3	1.116	2.077	12.2	19.9
8 19	22 47.67	− 8 19.1	1.087	2.084	6.7	19.6
8 29	22 37.62	− 8 33.0	1.082	2.091	0.9	19.2
9 8	22 27.53	− 8 46.8	1.100	2.099	4.9	19.5
9 18	22 18.84	− 8 55.1	1.142	2.108	10.3	19.9
9 28	22 12.71	− 8 53.8	1.206	2.117	15.0	20.2
10 8	22 9.75	− 8 40.7	1.289	2.127	18.9	20.5

480734 2016 NC_4 8 30.5 8.°43 2.°7/28.5 17

7 30	22 53.95	−10 47.3	1.080	2.005	16.4	20.1
8 9	22 50.57	−11 52.7	1.034	2.006	11.5	19.8
8 19	22 44.66	−13 9.9	1.008	2.008	6.2	19.5
8 29	22 37.23	−14 28.7	1.004	2.012	2.7	19.3
9 8	22 29.68	−15 37.7	1.024	2.017	6.7	19.6
9 18	22 23.39	−16 28.2	1.065	2.024	11.8	19.9
9 28	22 19.50	−16 55.1	1.127	2.031	16.4	20.2
10 8	22 18.61	−16 57.7	1.206	2.040	20.2	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
173415 2000 EA_{119}			8 30.5 174.°72	3.°5/26.6 18		
	h m	° ′			°	m
7 30	22 58.22	−17 38.4	2.300	3.197	10.1	20.4
8 9	22 52.56	−18 43.3	2.242	3.199	7.2	20.2
8 19	22 45.38	−19 49.0	2.210	3.201	4.5	20.0
8 29	22 37.32	−20 49.6	2.206	3.202	3.6	20.0
9 8	22 29.15	−21 39.6	2.231	3.203	5.7	20.1
9 18	22 21.66	−22 15.1	2.283	3.204	8.6	20.3
9 28	22 15.57	−22 34.3	2.360	3.204	11.3	20.5
10 8	22 11.38	−22 37.0	2.458	3.203	13.6	20.7
254114 2004 NX_{28}			8 30.5 51.°65	4.°7/ 4.0 18		
7 30	22 56.95	+ 5 48.1	1.954	2.792	14.1	20.0
8 9	22 51.79	+ 5 59.0	1.891	2.801	11.1	19.8
8 19	22 45.01	+ 5 51.7	1.850	2.811	7.9	19.6
8 29	22 37.27	+ 5 27.5	1.834	2.822	5.3	19.5
9 8	22 29.43	+ 4 49.7	1.844	2.832	5.0	19.5
9 18	22 22.34	+ 4 3.3	1.881	2.843	7.2	19.7
9 28	22 16.76	+ 3 14.1	1.944	2.853	10.2	19.9
10 8	22 13.22	+ 2 28.0	2.029	2.864	13.1	20.1
491845 2013 AD_{67}			8 30.5 336.°84	0.°4/30.8 16		
7 30	22 54.72	− 7 16.9	1.131	2.046	16.6	20.4
8 9	22 51.35	− 7 15.6	1.056	2.022	12.2	20.1
8 19	22 45.29	− 7 27.7	1.001	1.998	6.9	19.7
8 29	22 37.35	− 7 49.1	0.967	1.977	1.2	19.3
9 8	22 28.86	− 8 13.3	0.956	1.956	5.0	19.5
9 18	22 21.32	− 8 33.1	0.967	1.938	10.9	19.7
9 28	22 16.13	− 8 42.5	0.999	1.921	16.2	20.0
10 8	22 14.19	− 8 37.3	1.047	1.907	20.8	20.2
319409 2006 HP_{18}			8 30.5 85.°13	2.°7/27.9 17		
7 30	22 59.57	−13 28.8	1.804	2.704	12.3	21.0
8 9	22 53.61	−14 34.1	1.767	2.727	8.5	20.8
8 19	22 45.94	−15 42.9	1.755	2.751	4.7	20.6
8 29	22 37.38	−16 48.1	1.770	2.774	2.8	20.5
9 8	22 28.91	−17 43.2	1.812	2.797	5.4	20.8
9 18	22 21.43	−18 23.6	1.881	2.819	8.9	21.0
9 28	22 15.72	−18 46.9	1.974	2.841	12.2	21.3
10 8	22 12.23	−18 53.2	2.087	2.863	14.8	21.5
402524 2006 ES_{13}			8 30.5 264.°68	1.°4/29.1 18		
7 30	22 58.53	−12 48.5	2.401	3.290	10.0	20.7
8 9	22 52.73	−13 4.4	2.327	3.282	7.1	20.5
8 19	22 45.48	−13 23.5	2.279	3.274	3.9	20.3
8 29	22 37.34	−13 42.0	2.258	3.266	1.4	20.1
9 8	22 29.06	−13 56.4	2.267	3.258	3.8	20.3
9 18	22 21.39	−14 3.6	2.303	3.250	7.1	20.5
9 28	22 15.03	−14 1.7	2.366	3.241	10.1	20.7
10 8	22 10.47	−13 49.8	2.451	3.233	12.7	20.8
505108 2012 DV_{10}			8 30.5 42.°36	2.°8/28.4 17		
7 30	22 58.08	−11 11.7	1.182	2.098	16.0	20.7
8 9	22 53.32	−12 24.6	1.140	2.108	11.2	20.5
8 19	22 46.09	−13 47.4	1.118	2.117	6.1	20.2
8 29	22 37.45	−15 9.7	1.120	2.127	2.9	20.1
9 8	22 28.77	−16 20.8	1.147	2.138	6.6	20.3
9 18	22 21.40	−17 12.9	1.197	2.149	11.5	20.7
9 28	22 16.43	−17 41.7	1.268	2.161	15.8	20.9
10 8	22 14.41	−17 47.1	1.357	2.172	19.4	21.2
286572 2002 CX_{207}			8 30.5 125.°03	0.°9/29.8 17		
7 30	23 2.32	−10 13.0	1.908	2.795	12.3	20.5
8 9	22 55.58	−10 32.0	1.853	2.806	8.7	20.3
8 19	22 47.08	−10 56.8	1.822	2.817	4.7	20.1
8 29	22 37.60	−11 23.1	1.818	2.827	1.0	19.8
9 8	22 28.10	−11 46.1	1.843	2.838	4.0	20.1
9 18	22 19.52	−12 1.9	1.895	2.847	7.9	20.3
9 28	22 12.69	−12 8.0	1.973	2.857	11.4	20.6
10 8	22 8.10	−12 3.2	2.072	2.866	14.3	20.8
314505 2005 XV_{2}			8 30.5 224.°06	4.°4/ 4.9 18		
7 30	22 56.03	+ 8 50.3	2.827	3.629	11.2	21.6
8 9	22 50.88	+ 8 53.8	2.734	3.619	9.0	21.5
8 19	22 44.47	+ 8 42.5	2.665	3.609	6.8	21.3
8 29	22 37.27	+ 8 16.8	2.623	3.598	4.9	21.2
9 8	22 29.86	+ 7 38.7	2.608	3.587	4.5	21.1
9 18	22 22.87	+ 6 51.7	2.622	3.575	6.0	21.2
9 28	22 16.90	+ 5 59.9	2.664	3.563	8.2	21.4
10 8	22 12.40	+ 5 8.1	2.731	3.551	10.5	21.5
336289 2008 SB_{282}			8 30.5 297.°59	0.°0/30.4 18	R	
7 30	22 55.29	− 4 50.7	1.599	2.492	13.9	20.2
8 9	22 51.13	− 5 52.0	1.520	2.475	10.1	19.9
8 19	22 44.92	− 7 10.3	1.463	2.458	5.6	19.6
8 29	22 37.34	− 8 39.5	1.432	2.441	0.8	19.2
9 8	22 29.40	−10 11.2	1.427	2.425	4.2	19.5
9 18	22 22.16	−11 36.4	1.448	2.408	9.1	19.7
9 28	22 16.65	−12 47.4	1.493	2.392	13.4	19.9
10 8	22 13.58	−13 39.7	1.558	2.376	17.1	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
478631 2012 TN_{189}			8 30.5 305.°10	3.°5/ 2.7 18		
	h m	° ′			°	m
7 30	22 55.12	+ 3 2.3	1.600	2.464	15.4	21.5
8 9	22 50.99	+ 2 36.7	1.518	2.450	11.9	21.3
8 19	22 44.83	+ 1 48.9	1.458	2.437	7.9	21.0
8 29	22 37.33	+ 0 41.4	1.422	2.423	4.2	20.8
9 8	22 29.48	− 0 39.7	1.412	2.410	4.4	20.7
9 18	22 22.33	− 2 6.2	1.428	2.396	8.3	20.9
9 28	22 16.90	− 3 29.3	1.468	2.384	12.5	21.2
10 8	22 13.89	− 4 41.3	1.529	2.371	16.2	21.4
41966 2000 XU_{37}			8 30.5 292.°02	9.°4/22.5 18		
7 30	23 3.88	−31 58.0	1.674	2.569	13.3	18.2
8 9	22 57.28	−33 8.1	1.623	2.559	10.9	18.1
8 19	22 48.25	−34 5.5	1.595	2.550	9.5	18.0
8 29	22 37.78	−34 40.8	1.591	2.540	9.8	18.0
9 8	22 27.19	−34 47.6	1.611	2.531	11.6	18.1
9 18	22 17.81	−34 24.1	1.653	2.522	14.2	18.2
9 28	22 10.72	−33 32.5	1.716	2.512	16.8	18.4
10 8	22 6.55	−32 17.9	1.796	2.503	19.2	18.5
291013 2005 YY_{6}			8 30.5 264.°00	0.°0/30.5 18		
7 30	22 56.02	− 6 41.7	2.363	3.242	10.5	21.5
8 9	22 51.05	− 7 11.2	2.280	3.229	7.6	21.3
8 19	22 44.63	− 7 49.3	2.222	3.215	4.2	21.0
8 29	22 37.30	− 8 32.4	2.191	3.201	0.6	20.7
9 8	22 29.75	− 9 16.2	2.190	3.187	3.1	20.9
9 18	22 22.71	− 9 56.4	2.216	3.173	6.6	21.1
9 28	22 16.89	−10 29.1	2.268	3.158	9.9	21.3
10 8	22 12.81	−10 51.8	2.344	3.144	12.7	21.5
366037 2012 BZ_{149}			8 30.5 267.°21	0.°5/31.2 18		
7 30	22 53.97	− 3 37.7	2.267	3.142	11.1	20.9
8 9	22 49.62	− 4 30.1	2.190	3.135	8.0	20.6
8 19	22 43.85	− 5 34.7	2.137	3.128	4.6	20.4
8 29	22 37.19	− 6 47.3	2.111	3.120	1.0	20.1
9 8	22 30.35	− 8 2.3	2.115	3.113	3.0	20.3
9 18	22 24.05	− 9 13.9	2.146	3.106	6.6	20.5
9 28	22 18.97	−10 17.0	2.205	3.099	9.9	20.7
10 8	22 15.63	−11 8.0	2.286	3.092	12.8	20.9
135905 2002 TR_{90}			8 30.5 310.°87	0.°0/30.5 18		
7 30	22 58.63	− 7 49.8	1.748	2.639	13.0	19.5
8 9	22 53.28	− 8 4.5	1.676	2.630	9.4	19.2
8 19	22 45.99	− 8 28.4	1.627	2.622	5.2	19.0
8 29	22 37.49	− 8 57.4	1.604	2.613	0.7	18.6
9 8	22 28.75	− 9 26.3	1.607	2.605	3.9	18.9
9 18	22 20.80	− 9 50.4	1.637	2.597	8.3	19.1
9 28	22 14.56	−10 5.5	1.692	2.590	12.2	19.3
10 8	22 10.65	−10 9.3	1.768	2.582	15.6	19.6
149361 2002 XH_{36}			8 30.5 271.°12	1.°3/29.6 18		
7 30	23 1.44	−10 35.5	1.580	2.477	13.8	19.9
8 9	22 55.51	−10 59.0	1.508	2.466	9.9	19.6
8 19	22 47.32	−11 30.3	1.458	2.454	5.4	19.3
8 29	22 37.67	−12 3.9	1.433	2.442	1.3	19.0
9 8	22 27.72	−12 33.7	1.435	2.430	4.9	19.2
9 18	22 18.65	−12 54.4	1.463	2.418	9.5	19.5
9 28	22 11.57	−13 2.1	1.515	2.406	13.8	19.7
10 8	22 7.16	−12 55.4	1.587	2.394	17.4	19.9
39829 1998 BS_{4}			8 30.5 20.°86	4.°9/ 2.6 18	R	
7 30	22 59.43	+ 1 29.6	1.094	1.981	19.3	18.4
8 9	22 54.50	+ 1 57.1	1.042	1.986	14.8	18.1
8 19	22 46.88	+ 2 1.0	1.009	1.991	9.9	17.9
8 29	22 37.63	+ 1 42.9	0.998	1.998	5.6	17.7
9 8	22 28.21	+ 1 8.2	1.008	2.005	5.9	17.7
9 18	22 20.11	+ 0 24.9	1.042	2.014	10.2	18.0
9 28	22 14.57	− 0 18.1	1.097	2.023	14.8	18.3
10 8	22 12.24	− 0 53.3	1.171	2.032	18.9	18.5
144084 2004 BX_{51}			8 30.5 261.°37	0.°8/31.2 18		
7 30	23 0.05	− 4 37.6	1.619	2.503	14.3	20.8
8 9	22 54.56	− 5 4.4	1.538	2.487	10.5	20.6
8 19	22 46.84	− 5 45.5	1.478	2.470	6.0	20.3
8 29	22 37.64	− 6 36.9	1.445	2.453	1.3	19.9
9 8	22 28.03	− 7 32.1	1.437	2.436	4.0	20.1
9 18	22 19.16	− 8 24.2	1.457	2.419	8.9	20.3
9 28	22 12.13	− 9 7.1	1.500	2.401	13.3	20.6
10 8	22 7.68	− 9 36.5	1.564	2.383	17.1	20.8
188982 2008 FK_{63}			8 30.6 71.°99	0.°3/30.3 17		
7 30	22 57.70	− 5 34.0	1.436	2.332	15.0	20.6
8 9	22 52.79	− 6 35.8	1.383	2.339	10.7	20.3
8 19	22 45.76	− 7 52.7	1.351	2.347	5.9	20.1
8 29	22 37.48	− 9 17.3	1.345	2.355	0.7	19.7
9 8	22 29.09	−10 40.4	1.365	2.363	4.5	20.0
9 18	22 21.73	−11 53.4	1.410	2.370	9.3	20.3
9 28	22 16.38	−12 50.2	1.479	2.378	13.5	20.6
10 8	22 13.62	−13 27.5	1.568	2.386	17.0	20.9

272385 2005 SM_{254} 8 30.6 306°.23 1°.9/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.36	−10 6.3	1.366	2.274	14.8	20.1
8 9	22 52.98	−10 57.3	1.288	2.252	10.6	19.8
8 19	22 46.12	−12 0.8	1.232	2.230	5.8	19.5
8 29	22 37.57	−13 9.5	1.200	2.208	1.9	19.1
9 8	22 28.51	−14 14.4	1.193	2.187	5.8	19.3
9 18	22 20.28	−15 6.8	1.210	2.166	11.0	19.6
9 28	22 14.14	−15 40.5	1.249	2.145	15.7	19.8
10 8	22 10.93	−15 53.0	1.306	2.125	19.8	20.0

5152 Labs 8 30.6 331°.27 0°.3/30.4 18

7 30	23 3.13	−10 29.8	1.382	2.282	15.2	16.4
8 9	22 56.98	−10 5.3	1.309	2.268	11.0	16.1
8 19	22 48.26	− 9 46.0	1.258	2.254	6.1	15.8
8 29	22 37.86	− 9 28.7	1.232	2.241	0.8	15.4
9 8	22 27.11	− 9 9.7	1.231	2.229	4.7	15.7
9 18	22 17.40	− 8 45.8	1.255	2.218	9.9	16.0
9 28	22 9.97	− 8 14.8	1.303	2.208	14.6	16.2
10 8	22 5.57	− 7 35.6	1.370	2.198	18.5	16.4

295619 2008 SJ_{218} 8 30.6 344°.03 0°.7/31.0 18

7 30	23 0.96	− 7 28.1	1.359	2.257	15.5	19.2
8 9	22 55.36	− 7 11.7	1.293	2.250	11.3	18.9
8 19	22 47.32	− 7 5.2	1.249	2.243	6.4	18.6
8 29	22 37.73	− 7 5.2	1.228	2.237	1.3	18.3
9 8	22 27.88	− 7 7.3	1.233	2.232	4.4	18.5
9 18	22 19.10	− 7 7.1	1.262	2.228	9.5	18.8
9 28	22 12.53	− 7 0.6	1.314	2.224	14.1	19.0
10 8	22 8.88	− 6 45.3	1.386	2.222	18.0	19.3

428672 2008 HV_{8} 8 30.6 205°.64 5°.4/25.3 17

7 30	23 1.35	−20 39.6	1.868	2.770	11.8	21.8
8 9	22 55.22	−22 3.8	1.809	2.765	8.6	21.6
8 19	22 47.08	−23 27.4	1.774	2.760	6.0	21.4
8 29	22 37.69	−24 41.7	1.767	2.754	5.6	21.4
9 8	22 28.10	−25 39.3	1.787	2.747	7.9	21.5
9 18	22 19.35	−26 15.4	1.832	2.740	11.1	21.7
9 28	22 12.41	−26 28.4	1.901	2.732	14.1	21.9
10 8	22 7.90	−26 19.7	1.988	2.723	16.7	22.1

224195 2005 RR_{16} 8 30.6 349°.02 6°.6/25.8 18

7 30	22 57.92	−20 1.8	1.172	2.097	15.3	19.1
8 9	22 53.50	−21 15.7	1.123	2.091	11.2	18.8
8 19	22 46.38	−22 29.2	1.094	2.086	7.6	18.6
8 29	22 37.61	−23 30.7	1.088	2.081	6.9	18.6
9 8	22 28.65	−24 10.2	1.104	2.078	9.8	18.7
9 18	22 20.99	−24 22.1	1.143	2.075	14.0	19.0
9 28	22 15.84	−24 5.5	1.201	2.074	17.9	19.2
10 8	22 13.87	−23 23.4	1.275	2.073	21.3	19.5

447688 2007 BX_{39} 8 30.6 64°.38 1°.9/ 1.3 18

7 30	22 58.54	− 2 18.9	2.046	2.913	12.4	20.8
8 9	22 52.86	− 2 17.5	1.986	2.923	9.2	20.6
8 19	22 45.62	− 2 27.5	1.950	2.934	5.6	20.4
8 29	22 37.49	− 2 46.4	1.940	2.945	2.3	20.2
9 8	22 29.30	− 3 10.5	1.958	2.956	3.3	20.3
9 18	22 21.88	− 3 35.8	2.003	2.967	6.7	20.6
9 28	22 15.94	− 3 58.4	2.075	2.978	10.0	20.8
10 8	22 11.99	− 4 14.8	2.170	2.989	12.9	21.0

153210 2000 XQ_{14} 8 30.6 225°.96 4°.0/25.8 18

7 30	22 56.67	−19 40.6	2.383	3.283	9.6	20.4
8 9	22 51.52	−20 44.5	2.321	3.277	7.0	20.2
8 19	22 44.91	−21 48.0	2.284	3.272	4.6	20.1
8 29	22 37.40	−22 45.5	2.276	3.267	4.1	20.0
9 8	22 29.76	−23 31.5	2.295	3.261	6.0	20.1
9 18	22 22.73	−24 2.6	2.342	3.255	8.7	20.3
9 28	22 17.01	−24 16.9	2.413	3.249	11.3	20.5
10 8	22 13.11	−24 14.5	2.504	3.243	13.6	20.6

514007 2014 JR_{47} 8 30.6 74°.31 0°.9/29.6 18

7 30	22 55.71	− 8 23.1	2.017	2.907	11.5	21.5
8 9	22 50.90	− 9 18.7	1.962	2.917	8.1	21.4
8 19	22 44.57	−10 22.6	1.932	2.927	4.4	21.1
8 29	22 37.35	−11 29.5	1.928	2.938	0.9	20.9
9 8	22 30.08	−12 33.0	1.953	2.948	3.8	21.2
9 18	22 23.54	−13 27.9	2.006	2.958	7.5	21.4
9 28	22 18.45	−14 10.3	2.083	2.968	10.8	21.6
10 8	22 15.28	−14 37.9	2.183	2.978	13.6	21.8

93482 2000 TO_{21} 8 30.6 339°.45 12°.2/21.1 18

7 30	23 1.15	−33 45.2	1.241	2.151	15.9	18.9
8 9	22 56.00	−35 12.0	1.197	2.138	13.5	18.7
8 19	22 47.83	−36 21.6	1.172	2.127	12.3	18.6
8 29	22 37.82	−37 1.0	1.169	2.116	12.8	18.6
9 8	22 27.66	−37 2.2	1.186	2.106	14.9	18.7
9 18	22 19.03	−36 23.4	1.223	2.098	17.8	18.9
9 28	22 13.25	−35 8.7	1.277	2.091	20.6	19.1
10 8	22 10.97	−33 25.6	1.346	2.084	23.2	19.2

470586 2008 JP_{23} 8 30.6 102°.32 3°.7/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.19	+ 3 19.9	1.584	2.443	15.8	21.5
8 9	22 53.04	+ 2 56.6	1.522	2.450	12.1	21.3
8 19	22 45.89	+ 2 11.9	1.481	2.458	8.0	21.1
8 29	22 37.55	+ 1 9.1	1.465	2.465	4.3	20.9
9 8	22 29.07	− 0 5.4	1.475	2.472	4.4	20.9
9 18	22 21.51	− 1 23.8	1.512	2.479	8.1	21.1
9 28	22 15.79	− 2 37.8	1.573	2.486	12.0	21.4
10 8	22 12.51	− 3 41.0	1.655	2.492	15.4	21.6

41713 2000 UG_{72} 8 30.6 318°.36 4°.2/27.9 18

7 30	23 2.47	−16 14.8	1.272	2.185	15.3	18.6
8 9	22 56.60	−16 56.2	1.215	2.180	10.9	18.3
8 19	22 48.06	−17 40.5	1.179	2.175	6.5	18.0
8 29	22 37.86	−18 19.1	1.167	2.170	4.2	17.9
9 8	22 27.46	−18 43.6	1.179	2.165	7.4	18.1
9 18	22 18.31	−18 49.2	1.215	2.161	12.1	18.3
9 28	22 11.64	−18 33.8	1.273	2.157	16.4	18.6
10 8	22 8.15	−17 59.0	1.348	2.153	20.0	18.8

480389 2015 KW_{49} 8 30.6 352°.15 1°.3/31.7 18

7 30	22 56.78	− 3 14.1	1.554	2.440	14.6	20.8
8 9	22 52.12	− 3 39.3	1.488	2.438	10.7	20.6
8 19	22 45.44	− 4 20.1	1.445	2.436	6.3	20.3
8 29	22 37.50	− 5 12.0	1.426	2.435	1.9	20.0
9 8	22 29.36	− 6 8.5	1.434	2.433	3.8	20.2
9 18	22 22.09	− 7 2.8	1.467	2.433	8.4	20.4
9 28	22 16.65	− 7 48.4	1.524	2.432	12.6	20.7
10 8	22 13.66	− 8 21.1	1.601	2.432	16.1	20.9

350528 2000 FB_{53} 8 30.6 35°.93 2°.9/28.1 18

7 30	23 0.38	−15 40.3	1.857	2.757	11.9	20.7
8 9	22 54.38	−16 12.1	1.798	2.757	8.5	20.5
8 19	22 46.55	−16 45.8	1.763	2.758	4.9	20.2
8 29	22 37.64	−17 15.6	1.755	2.759	2.9	20.1
9 8	22 28.65	−17 36.4	1.774	2.759	5.5	20.3
9 18	22 20.54	−17 44.7	1.820	2.760	9.1	20.5
9 28	22 14.17	−17 38.5	1.890	2.761	12.4	20.7
10 8	22 10.08	−17 18.1	1.980	2.762	15.3	20.9

311475 2005 UW_{500} 8 30.6 331°.54 4°.3/26.2 18

7 30	22 54.69	−16 51.8	1.754	2.666	11.8	20.0
8 9	22 50.56	−18 11.2	1.692	2.656	8.5	19.7
8 19	22 44.55	−19 34.2	1.653	2.647	5.3	19.5
8 29	22 37.38	−20 52.5	1.641	2.638	4.4	19.5
9 8	22 29.99	−21 58.3	1.654	2.629	7.0	19.6
9 18	22 23.36	−22 45.6	1.693	2.621	10.5	19.8
9 28	22 18.39	−23 11.4	1.754	2.613	13.8	20.0
10 8	22 15.68	−23 15.5	1.835	2.606	16.7	20.2

83912 2001 VH_{1} 8 30.6 310°.52 6°.6/24.0 18

7 30	22 57.54	−23 55.5	1.781	2.690	11.8	18.4
8 9	22 52.64	−25 16.2	1.721	2.677	9.0	18.2
8 19	22 45.72	−26 33.5	1.686	2.665	6.9	18.1
8 29	22 37.54	−27 38.7	1.675	2.653	6.9	18.1
9 8	22 29.14	−28 24.3	1.691	2.641	9.1	18.2
9 18	22 21.57	−28 46.2	1.730	2.630	12.0	18.3
9 28	22 15.80	−28 43.2	1.791	2.619	15.0	18.5
10 8	22 12.47	−28 17.2	1.870	2.608	17.6	18.7

287365 2002 UA_{62} 8 30.6 249°.21 3°.9/ 3.6 18

7 30	22 56.23	+ 5 4.0	2.059	2.898	13.4	21.1
8 9	22 51.42	+ 4 47.4	1.974	2.889	10.5	20.8
8 19	22 44.96	+ 4 12.2	1.912	2.879	7.3	20.6
8 29	22 37.44	+ 3 20.2	1.876	2.869	4.5	20.4
9 8	22 29.66	+ 2 15.6	1.867	2.859	4.3	20.4
9 18	22 22.46	+ 1 4.1	1.885	2.849	7.0	20.6
9 28	22 16.65	− 0 7.7	1.930	2.839	10.3	20.8
10 8	22 12.80	− 1 13.5	1.998	2.828	13.4	20.9

188925 2007 BM_{76} 8 30.6 119°.24 3°.0/26.9 18

7 30	22 55.55	−15 24.4	2.276	3.176	10.0	20.2
8 9	22 50.72	−16 35.9	2.222	3.181	7.1	20.1
8 19	22 44.46	−17 50.1	2.193	3.186	4.2	19.9
8 29	22 37.36	−19 0.8	2.192	3.192	3.1	19.8
9 8	22 30.17	−20 2.4	2.219	3.197	5.2	20.0
9 18	22 23.64	−20 50.6	2.274	3.202	8.2	20.2
9 28	22 18.42	−21 22.6	2.353	3.207	11.0	20.4
10 8	22 15.00	−21 37.9	2.454	3.211	13.3	20.6

33309 1998 KY_{53} 8 30.6 37°.87 4°.2/26.0 18

7 30	22 55.82	−17 57.8	1.958	2.865	11.1	17.9
8 9	22 51.11	−19 15.3	1.908	2.869	7.9	17.7
8 19	22 44.74	−20 33.7	1.882	2.873	5.0	17.6
8 29	22 37.40	−21 45.7	1.883	2.878	4.4	17.6
9 8	22 29.97	−22 44.6	1.912	2.882	6.6	17.7
9 18	22 23.32	−23 26.0	1.966	2.887	9.7	17.9
9 28	22 18.22	−23 47.7	2.043	2.892	12.6	18.1
10 8	22 15.17	−23 49.9	2.141	2.897	15.1	18.3

355683 2008 FE_7 8 30.6 85°.61 0°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.79	− 4 18.6	2.096	2.975	11.7	20.3
8 9	22 50.25	− 5 14.8	2.034	2.981	8.4	20.1
8 19	22 44.22	− 6 22.9	1.995	2.987	4.7	19.9
8 29	22 37.33	− 7 37.8	1.984	2.993	0.8	19.6
9 8	22 30.34	− 8 53.4	2.001	2.999	3.2	19.8
9 18	22 24.00	−10 3.9	2.046	3.005	6.9	20.1
9 28	22 19.02	−11 4.1	2.117	3.011	10.3	20.3
10 8	22 15.88	−11 50.7	2.211	3.017	13.1	20.5

186751 2004 CZ_{69} 8 30.6 243°.37 4°.8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.91	−17 49.5	1.545	2.453	13.4	20.4
8 9	22 55.17	−18 57.1	1.486	2.448	9.6	20.1
8 19	22 47.17	−20 6.5	1.451	2.443	6.1	19.9
8 29	22 37.76	−21 9.0	1.441	2.438	4.9	19.8
9 8	22 28.14	−21 56.1	1.457	2.432	7.6	20.0
9 18	22 19.54	−22 22.8	1.497	2.427	11.5	20.2
9 28	22 13.02	−22 26.8	1.560	2.421	15.2	20.4
10 8	22 9.23	−22 9.4	1.641	2.415	18.3	20.6

68100 2000 YV_{120} 8 30.6 4°.91 4°.7/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.34	−15 49.9	0.999	1.928	17.0	18.3
8 9	22 53.98	−16 39.9	0.954	1.927	12.1	18.1
8 19	22 46.72	−17 34.0	0.929	1.927	7.1	17.8
8 29	22 37.71	−18 21.6	0.925	1.929	4.8	17.7
9 8	22 28.60	−18 52.7	0.943	1.931	8.3	17.9
9 18	22 20.97	−19 1.3	0.983	1.935	13.3	18.2
9 28	22 16.12	−18 45.4	1.041	1.940	17.9	18.5
10 8	22 14.67	−18 7.0	1.116	1.946	21.7	18.7

342187 2008 SM_{198} 8 30.6 214°.28 1°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.76	−11 14.6	2.048	2.939	11.4	21.7
8 9	22 53.19	−12 4.2	1.977	2.934	8.0	21.5
8 19	22 45.93	−13 0.4	1.932	2.928	4.4	21.2
8 29	22 37.61	−13 57.6	1.914	2.921	1.7	21.1
9 8	22 29.09	−14 50.0	1.924	2.915	4.5	21.2
9 18	22 21.26	−15 32.5	1.962	2.907	8.2	21.5
9 28	22 14.93	−16 1.6	2.025	2.900	11.6	21.7
10 8	22 10.67	−16 15.7	2.109	2.892	14.4	21.8

43285 2000 ED_{156} 8 30.6 177°.22 3°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.97	+ 2 6.9	1.799	2.653	14.4	19.6
8 9	22 54.20	+ 1 57.8	1.728	2.654	11.0	19.4
8 19	22 46.53	+ 1 31.1	1.679	2.655	7.3	19.2
8 29	22 37.69	+ 0 49.2	1.656	2.656	3.9	19.0
9 8	22 28.65	− 0 3.2	1.660	2.656	4.2	19.0
9 18	22 20.40	− 1 0.1	1.692	2.656	7.6	19.2
9 28	22 13.84	− 1 54.9	1.748	2.655	11.3	19.4
10 8	22 9.57	− 2 42.2	1.827	2.654	14.6	19.6

468029 2013 PS_5 8 30.6 63°.58 1°.6/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.96	− 3 9.0	1.236	2.127	17.3	21.0
8 9	22 55.88	− 3 29.4	1.198	2.149	12.6	20.8
8 19	22 47.47	− 4 7.1	1.180	2.171	7.3	20.6
8 29	22 37.80	− 4 56.4	1.185	2.193	2.2	20.3
9 8	22 28.27	− 5 49.2	1.216	2.216	4.3	20.5
9 18	22 20.12	− 6 38.0	1.271	2.238	9.3	20.9
9 28	22 14.38	− 7 16.5	1.349	2.261	13.7	21.2
10 8	22 11.53	− 7 41.0	1.447	2.283	17.3	21.5

343922 2011 KA_3 8 30.6 85°.76 4°.8/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.50	+ 5 15.4	1.710	2.554	15.5	20.6
8 9	22 53.83	+ 5 21.0	1.651	2.567	12.1	20.4
8 19	22 46.29	+ 5 6.4	1.614	2.580	8.5	20.2
8 29	22 37.66	+ 4 33.1	1.601	2.593	5.4	20.0
9 8	22 28.94	+ 3 45.6	1.615	2.605	5.1	20.0
9 18	22 21.13	+ 2 49.9	1.654	2.618	7.9	20.2
9 28	22 15.09	+ 1 53.2	1.719	2.630	11.3	20.5
10 8	22 11.37	+ 1 1.5	1.806	2.643	14.4	20.7

205148 1999 XR_{89} 8 30.6 313°.23 8°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.27	+10 42.9	1.639	2.461	17.1	19.5
8 9	22 53.38	+11 33.4	1.554	2.445	14.3	19.3
8 19	22 46.29	+12 1.3	1.488	2.429	11.3	19.1
8 29	22 37.69	+12 4.0	1.445	2.413	8.8	18.9
9 8	22 28.61	+11 42.2	1.426	2.398	8.2	18.8
9 18	22 20.18	+11 0.0	1.431	2.384	10.0	18.9
9 28	22 13.52	+10 4.6	1.460	2.370	13.0	19.1
10 8	22 9.41	+ 9 4.8	1.510	2.356	16.2	19.2

454451 2014 OM_{39} 8 30.6 327°.42 1°.3/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.05	−10 27.8	1.911	2.809	11.7	21.4
8 9	22 50.69	−11 5.8	1.837	2.796	8.3	21.1
8 19	22 44.60	−11 51.4	1.786	2.783	4.5	20.9
8 29	22 37.44	−12 39.5	1.762	2.770	1.3	20.6
9 8	22 30.04	−13 24.3	1.765	2.758	4.3	20.8
9 18	22 23.31	−14 0.7	1.794	2.747	8.2	21.0
9 28	22 18.06	−14 24.7	1.847	2.736	11.8	21.2
10 8	22 14.87	−14 34.4	1.922	2.725	14.9	21.4

227043 2005 BF_{18} 8 30.6 325°.55 8°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.44	−28 1.8	1.823	2.733	11.6	19.1
8 9	22 50.56	−29 59.8	1.764	2.713	9.4	18.9
8 19	22 44.66	−31 52.5	1.731	2.694	8.2	18.8
8 29	22 37.46	−33 29.4	1.722	2.676	8.9	18.8
9 8	22 29.93	−34 42.1	1.739	2.658	11.0	18.9
9 18	22 23.14	−35 25.6	1.778	2.641	13.6	19.0
9 28	22 18.08	−35 38.9	1.837	2.624	16.2	19.2
10 8	22 15.44	−35 24.3	1.912	2.609	18.5	19.3

461221 2015 VC_{140} 8 30.6 259°.44 1°.9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.41	+ 0 8.8	2.566	3.420	10.6	21.9
8 9	22 49.88	− 0 17.7	2.478	3.408	8.0	21.7
8 19	22 44.03	− 0 56.4	2.415	3.395	5.1	21.5
8 29	22 37.36	− 1 45.1	2.379	3.382	2.3	21.3
9 8	22 30.49	− 2 40.0	2.371	3.369	2.8	21.3
9 18	22 24.07	− 3 36.7	2.392	3.356	5.8	21.5
9 28	22 18.72	− 4 30.5	2.441	3.342	8.8	21.7
10 8	22 14.93	− 5 17.6	2.513	3.329	11.5	21.8

188668 2005 SW_{134} 8 30.6 59°.07 1°.4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.76	− 2 10.8	2.043	2.914	12.3	20.4
8 9	22 50.99	− 2 39.5	1.978	2.918	9.0	20.2
8 19	22 44.68	− 3 21.0	1.936	2.923	5.4	20.0
8 29	22 37.46	− 4 11.9	1.921	2.928	1.9	19.8
9 8	22 30.13	− 5 6.9	1.933	2.932	3.1	19.9
9 18	22 23.47	− 6 0.7	1.973	2.937	6.8	20.1
9 28	22 18.23	− 6 48.5	2.039	2.942	10.2	20.3
10 8	22 14.89	− 7 26.3	2.128	2.947	13.1	20.6

225925 2002 AG_{131} 8 30.6 146°.54 11°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.85	+27 9.4	2.319	2.988	16.7	20.3
8 9	22 56.16	+28 16.9	2.247	2.998	15.1	20.2
8 19	22 47.62	+28 58.5	2.193	3.007	13.5	20.1
8 29	22 37.88	+29 10.4	2.160	3.016	12.1	20.0
9 8	22 27.86	+28 52.2	2.149	3.024	11.2	20.0
9 18	22 18.50	+28 6.4	2.161	3.031	11.3	20.0
9 28	22 10.70	+26 58.9	2.197	3.038	12.1	20.1
10 8	22 5.07	+25 37.9	2.255	3.044	13.4	20.2

325892 2010 UD_{16} 8 30.6 335°.19 7°.3/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.55	−20 19.8	0.971	1.904	16.9	19.6
8 9	22 53.84	−21 18.8	0.913	1.886	12.5	19.3
8 19	22 46.90	−22 17.8	0.874	1.868	8.5	19.0
8 29	22 37.82	−23 3.9	0.856	1.852	7.5	18.9
9 8	22 28.30	−23 25.8	0.858	1.838	10.8	19.1
9 18	22 20.15	−23 17.1	0.880	1.824	15.6	19.3
9 28	22 14.92	−22 36.8	0.921	1.813	20.3	19.5
10 8	22 13.43	−21 29.1	0.975	1.803	24.3	19.8

298556 2003 WM_{188} 8 30.6 204°.38 10°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.82	+26 3.9	2.550	3.225	15.2	20.5
8 9	22 53.93	+26 56.3	2.462	3.220	13.7	20.4
8 19	22 46.38	+27 25.4	2.393	3.215	12.2	20.3
8 29	22 37.73	+27 28.1	2.344	3.210	10.9	20.2
9 8	22 28.75	+27 3.9	2.319	3.204	10.1	20.1
9 18	22 20.26	+26 15.0	2.318	3.198	10.2	20.1
9 28	22 13.07	+25 6.5	2.341	3.191	11.2	20.2
10 8	22 7.79	+23 45.6	2.387	3.183	12.6	20.3

131480 2001 RY_{101} 8 30.6 337°.50 1°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.55	− 8 28.7	2.252	3.144	10.5	19.3
8 9	22 48.68	− 9 44.6	2.183	3.139	7.4	19.1
8 19	22 43.42	−11 9.6	2.138	3.135	3.9	18.9
8 29	22 37.31	−12 38.2	2.122	3.130	1.2	18.7
9 8	22 31.03	−14 3.9	2.134	3.126	3.9	18.9
9 18	22 25.30	−15 20.6	2.174	3.122	7.3	19.1
9 28	22 20.78	−16 23.8	2.240	3.119	10.5	19.3
10 8	22 17.96	−17 10.8	2.329	3.116	13.1	19.5

428644 2008 GW_5 8 30.6 53°.44 8°.2/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.11	−25 43.2	1.315	2.227	15.0	20.3
8 9	22 57.54	−26 49.7	1.283	2.239	11.4	20.1
8 19	22 48.44	−27 46.3	1.272	2.251	8.7	20.0
8 29	22 37.99	−28 23.0	1.285	2.264	8.4	20.0
9 8	22 27.70	−28 33.1	1.322	2.276	10.6	20.2
9 18	22 18.97	−28 14.9	1.381	2.289	13.9	20.4
9 28	22 12.84	−27 30.9	1.460	2.303	17.0	20.6
10 8	22 9.81	−26 26.0	1.557	2.316	19.7	20.9

266971 2010 VE_{100} 8 30.6 272°.54 4°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.36	+ 6 41.4	2.279	3.106	12.7	20.3
8 9	22 50.65	+ 6 38.1	2.202	3.105	10.1	20.1
8 19	22 44.49	+ 6 17.8	2.147	3.105	7.3	20.0
8 29	22 37.46	+ 5 41.6	2.119	3.105	4.9	19.8
9 8	22 30.26	+ 4 52.9	2.117	3.104	4.5	19.8
9 18	22 23.63	+ 3 56.2	2.143	3.104	6.5	19.9
9 28	22 18.25	+ 2 57.1	2.196	3.104	9.3	20.1
10 8	22 14.63	+ 2 0.8	2.272	3.103	12.0	20.3

117908 4104 *P–L* 8 30.6 326°.25 4°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.69	+ 2 57.7	1.250	2.129	17.9	19.0
8 9	22 51.86	+ 2 44.8	1.179	2.118	13.9	18.7
8 19	22 45.57	+ 2 5.7	1.127	2.108	9.3	18.4
8 29	22 37.65	+ 1 3.0	1.097	2.098	5.1	18.1
9 8	22 29.32	− 0 16.4	1.091	2.089	5.2	18.1
9 18	22 21.92	− 1 42.7	1.108	2.081	9.6	18.3
9 28	22 16.67	− 3 4.9	1.148	2.073	14.4	18.6
10 8	22 14.36	− 4 14.3	1.207	2.066	18.6	18.8

476757 2008 UB_{73} 8 30.6 272°.48 2°.2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.25	−13 6.9	2.015	2.906	11.5	22.1
8 9	22 55.25	−13 46.5	1.921	2.877	8.2	21.9
8 19	22 47.26	−14 31.7	1.853	2.847	4.6	21.6
8 29	22 37.90	−15 17.2	1.811	2.817	2.2	21.4
9 8	22 28.10	−15 57.0	1.798	2.786	5.0	21.5
9 18	22 18.84	−16 26.2	1.812	2.755	8.9	21.7
9 28	22 11.10	−16 41.2	1.852	2.723	12.7	21.9
10 8	22 5.61	−16 40.7	1.912	2.690	15.9	22.0

344136 2000 CF_{24} 8 30.6 181°.10 1°.5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.50	− 1 47.3	2.712	3.565	10.2	22.5
8 9	22 52.65	− 2 6.0	2.636	3.566	7.5	22.3
8 19	22 45.53	− 2 34.5	2.584	3.567	4.6	22.1
8 29	22 37.64	− 3 10.4	2.561	3.567	1.8	21.9
9 8	22 29.62	− 3 50.4	2.568	3.566	2.7	22.0
9 18	22 22.12	− 4 30.7	2.605	3.565	5.6	22.2
9 28	22 15.74	− 5 7.7	2.669	3.563	8.4	22.4
10 8	22 10.94	− 5 38.4	2.758	3.560	10.9	22.5

258007 2001 FR_{58} 8 30.6 149°.65 4°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.71	+12 21.8	2.920	3.700	11.3	21.1
8 9	22 49.92	+12 10.2	2.843	3.708	9.3	20.9
8 19	22 44.00	+11 41.9	2.788	3.715	7.2	20.8
8 29	22 37.43	+10 57.7	2.759	3.722	5.4	20.7
9 8	22 30.76	+10 0.4	2.758	3.729	4.8	20.7
9 18	22 24.56	+ 8 53.6	2.786	3.735	5.8	20.7
9 28	22 19.36	+ 7 42.3	2.841	3.741	7.7	20.9
10 8	22 15.56	+ 6 31.4	2.922	3.747	9.8	21.0

359445 2010 MH_{96} 8 30.6 239°.28 1°.4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.40	− 1 44.3	2.244	3.110	11.5	21.2
8 9	22 50.71	− 2 18.2	2.167	3.105	8.5	21.0
8 19	22 44.57	− 3 4.8	2.114	3.100	5.1	20.8
8 29	22 37.52	− 4 0.8	2.088	3.095	1.8	20.6
9 8	22 30.29	− 5 1.4	2.091	3.090	3.0	20.7
9 18	22 23.63	− 6 1.5	2.121	3.084	6.4	20.9
9 28	22 18.22	− 6 55.9	2.178	3.079	9.7	21.1
10 8	22 14.59	− 7 40.9	2.258	3.073	12.6	21.3

130933 2000 WL_{31} 8 30.6 278°.98 4°.0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.91	−15 48.4	1.674	2.582	12.6	19.4
8 9	22 52.94	−17 5.1	1.614	2.577	8.9	19.2
8 19	22 45.95	−18 26.0	1.578	2.572	5.4	19.0
8 29	22 37.72	−19 42.8	1.568	2.567	4.1	18.9
9 8	22 29.28	−20 47.1	1.584	2.563	6.8	19.1
9 18	22 21.70	−21 33.2	1.626	2.558	10.6	19.3
9 28	22 15.94	−21 57.7	1.691	2.553	14.1	19.5
10 8	22 12.61	−22 0.8	1.775	2.549	17.1	19.7

237399 1998 HR_{118} 8 30.6 116°.41 3°.6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.30	−15 55.8	1.981	2.880	11.3	20.4
8 9	22 53.52	−17 20.8	1.938	2.897	8.0	20.2
8 19	22 46.08	−18 47.6	1.921	2.914	4.8	20.1
8 29	22 37.72	−20 8.7	1.932	2.930	3.7	20.0
9 8	22 29.35	−21 17.2	1.971	2.946	6.1	20.2
9 18	22 21.84	−22 8.4	2.037	2.961	9.2	20.4
9 28	22 15.94	−22 40.2	2.127	2.976	12.2	20.6
10 8	22 12.16	−22 52.7	2.238	2.990	14.6	20.8

217376 2004 TB_{357} 8 30.6 320°.22 5°.9/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.47	−23 36.6	1.996	2.903	10.9	19.7
8 9	22 51.72	−24 54.5	1.939	2.895	8.2	19.5
8 19	22 45.21	−26 9.2	1.907	2.887	6.2	19.4
8 29	22 37.61	−27 13.1	1.901	2.879	6.2	19.4
9 8	22 29.85	−27 59.7	1.921	2.871	8.2	19.5
9 18	22 22.84	−28 25.2	1.966	2.864	10.9	19.6
9 28	22 17.41	−28 28.4	2.034	2.857	13.6	19.8
10 8	22 14.13	−28 10.7	2.120	2.851	15.9	20.0

211729 2003 YS_{91} 8 30.6 310°.44 0°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.75	− 4 45.2	1.558	2.450	14.2	19.9
8 9	22 51.76	− 5 27.6	1.462	2.416	10.5	19.6
8 19	22 45.54	− 6 27.5	1.387	2.381	6.0	19.3
8 29	22 37.70	− 7 40.3	1.338	2.347	1.1	18.8
9 8	22 29.25	− 8 58.5	1.314	2.313	4.3	19.0
9 18	22 21.34	−10 13.6	1.316	2.280	9.4	19.2
9 28	22 15.17	−11 17.4	1.341	2.246	14.2	19.4
10 8	22 11.59	−12 4.2	1.386	2.214	18.4	19.6

444301 2005 VO_{51} 8 30.6 276°.09 0°.9/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.60	− 4 4.2	2.213	3.086	11.4	22.6
8 9	22 51.66	− 4 26.4	2.126	3.069	8.4	22.4
8 19	22 45.15	− 4 59.6	2.063	3.052	4.9	22.1
8 29	22 37.62	− 5 40.6	2.027	3.035	1.4	21.8
9 8	22 29.82	− 6 25.1	2.019	3.018	3.1	21.9
9 18	22 22.54	− 7 8.5	2.039	3.001	6.8	22.1
9 28	22 16.54	− 7 46.2	2.085	2.983	10.2	22.3
10 8	22 12.40	− 8 14.8	2.155	2.966	13.3	22.5

379573 2011 BB_{33} 8 30.6 163°.86 0°.6/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.79	− 5 1.5	1.756	2.635	13.5	21.4
8 9	22 54.81	− 5 27.1	1.691	2.639	9.8	21.2
8 19	22 46.92	− 6 4.7	1.650	2.642	5.6	20.9
8 29	22 37.86	− 6 50.0	1.635	2.644	1.2	20.7
9 8	22 28.66	− 7 37.2	1.648	2.647	3.7	20.8
9 18	22 20.31	− 8 20.5	1.688	2.648	8.0	21.1
9 28	22 13.73	− 8 55.1	1.752	2.650	11.9	21.4
10 8	22 9.50	− 9 17.9	1.839	2.651	15.1	21.6

322590 2012 BM_{15} 8 30.6 159°.60 1°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.07	−11 46.5	2.627	3.515	9.3	21.2
8 9	22 50.96	−12 30.9	2.564	3.519	6.5	21.1
8 19	22 44.61	−13 19.5	2.527	3.523	3.5	20.9
8 29	22 37.53	−14 8.1	2.519	3.526	1.4	20.7
9 8	22 30.37	−14 52.5	2.540	3.529	3.6	20.9
9 18	22 23.75	−15 29.1	2.589	3.532	6.6	21.1
9 28	22 18.29	−15 55.3	2.665	3.535	9.3	21.3
10 8	22 14.39	−16 9.8	2.763	3.537	11.6	21.5

504341 2007 TM_{214} 8 30.6 323°.70 4°.0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.25	−15 48.4	1.131	2.050	16.3	20.5
8 9	22 56.83	−16 16.7	1.070	2.038	11.8	20.2
8 19	22 48.43	−16 48.6	1.029	2.026	6.8	19.9
8 29	22 38.10	−17 15.3	1.010	2.015	4.0	19.7
9 8	22 27.42	−17 28.6	1.015	2.005	7.6	19.9
9 18	22 18.03	−17 22.9	1.043	1.995	12.7	20.1
9 28	22 11.35	−16 56.5	1.090	1.986	17.5	20.4
10 8	22 8.15	−16 10.8	1.155	1.978	21.6	20.6

97808 2000 OZ_{18} 8 30.6 314°.98 2°.0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.80	− 2 35.7	1.267	2.158	16.9	19.1
8 9	22 54.75	− 2 49.5	1.202	2.153	12.6	18.8
8 19	22 47.15	− 3 22.0	1.158	2.148	7.6	18.5
8 29	22 37.92	− 4 9.0	1.136	2.143	2.6	18.2
9 8	22 28.37	− 5 3.5	1.139	2.139	4.5	18.3
9 18	22 19.88	− 5 57.0	1.166	2.135	9.7	18.6
9 28	22 13.66	− 6 42.1	1.216	2.131	14.6	18.9
10 8	22 10.47	− 7 13.3	1.285	2.127	18.7	19.1

58810 1998 FR_{136} 8 30.6 287°.42 3°.6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.59	+ 2 58.1	1.674	2.534	15.0	19.2
8 9	22 52.06	+ 2 39.0	1.592	2.521	11.6	18.9
8 19	22 45.54	+ 1 59.1	1.532	2.508	7.8	18.7
8 29	22 37.69	+ 1 0.7	1.496	2.495	4.2	18.4
9 8	22 29.50	− 0 10.8	1.486	2.482	4.4	18.4
9 18	22 21.99	− 1 28.0	1.502	2.470	8.1	18.6
9 28	22 16.15	− 2 42.8	1.543	2.457	12.1	18.8
10 8	22 12.68	− 3 48.1	1.606	2.444	15.8	19.0

76211 2000 ED_{63} 8 30.6 334°.57 0°.5/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.01	− 4 26.7	1.778	2.663	13.1	19.4
8 9	22 51.44	− 5 9.5	1.711	2.661	9.5	19.2
8 19	22 45.08	− 6 5.8	1.666	2.658	5.4	19.0
8 29	22 37.63	− 7 10.8	1.647	2.656	1.1	18.7
9 8	22 29.98	− 8 17.8	1.655	2.654	3.6	18.9
9 18	22 23.07	− 9 20.3	1.690	2.652	7.8	19.1
9 28	22 17.75	−10 12.4	1.750	2.650	11.7	19.3
10 8	22 14.61	−10 50.5	1.831	2.649	15.0	19.6

261554 2005 WQ_{152} 8 30.6 241°.03 0°.6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.68	− 8 50.9	2.440	3.323	10.1	21.9
8 9	22 51.56	− 9 23.6	2.362	3.314	7.2	21.7
8 19	22 45.02	−10 3.1	2.310	3.304	3.9	21.5
8 29	22 37.61	−10 45.5	2.285	3.294	0.7	21.2
9 8	22 30.03	−11 26.5	2.289	3.284	3.3	21.4
9 18	22 22.97	−12 2.2	2.321	3.274	6.7	21.6
9 28	22 17.11	−12 29.3	2.380	3.263	9.7	21.8
10 8	22 12.96	−12 45.6	2.462	3.253	12.4	22.0

379571 2011 BH_{25} 8 30.6 168°.93 0°.9/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.94	− 8 57.9	1.852	2.739	12.6	21.7
8 9	22 54.85	− 9 39.6	1.790	2.743	8.9	21.5
8 19	22 46.92	−10 29.7	1.751	2.746	4.8	21.2
8 29	22 37.89	−11 22.9	1.740	2.749	1.0	21.0
9 8	22 28.72	−12 12.9	1.756	2.751	4.2	21.2
9 18	22 20.38	−12 54.5	1.800	2.752	8.2	21.4
9 28	22 13.76	−13 23.7	1.869	2.753	11.9	21.7
10 8	22 9.39	−13 38.6	1.959	2.753	15.0	21.9

300541 2007 TW_{255} 8 30.6 297°.05 1°.1/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.17	− 4 7.6	1.794	2.674	13.3	21.0
8 9	22 53.00	− 4 23.6	1.722	2.668	9.7	20.7
8 19	22 45.96	− 4 52.1	1.672	2.662	5.7	20.5
8 29	22 37.76	− 5 29.5	1.648	2.656	1.6	20.2
9 8	22 29.33	− 6 10.6	1.651	2.651	3.5	20.3
9 18	22 21.65	− 6 50.2	1.681	2.645	7.7	20.6
9 28	22 15.60	− 7 23.2	1.736	2.640	11.6	20.8
10 8	22 11.79	− 7 45.9	1.813	2.634	15.0	21.0

93604 2000 UP_{58} 8 30.6 237°.23 0°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.09	− 5 56.4	1.929	2.808	12.5	20.2
8 9	22 54.31	− 6 17.2	1.851	2.799	9.1	20.0
8 19	22 46.68	− 6 48.5	1.797	2.789	5.2	19.7
8 29	22 37.88	− 7 26.4	1.769	2.778	1.0	19.4
9 8	22 28.81	− 8 5.9	1.769	2.768	3.5	19.6
9 18	22 20.42	− 8 42.1	1.797	2.756	7.7	19.8
9 28	22 13.62	− 9 10.4	1.850	2.745	11.5	20.0
10 8	22 9.00	− 9 28.0	1.925	2.733	14.7	20.2

170796 2004 DA_{20} 8 30.6 217°.99 4°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.21	+ 8 21.3	2.128	2.948	13.7	20.8
8 9	22 51.40	+ 8 11.2	2.047	2.945	11.0	20.6
8 19	22 45.02	+ 7 41.3	1.988	2.941	8.1	20.4
8 29	22 37.64	+ 6 52.6	1.955	2.938	5.6	20.2
9 8	22 30.05	+ 5 48.8	1.948	2.934	5.0	20.2
9 18	22 23.04	+ 4 35.5	1.969	2.929	7.0	20.3
9 28	22 17.39	+ 3 19.2	2.016	2.925	9.9	20.5
10 8	22 13.64	+ 2 6.5	2.087	2.921	12.8	20.7

89092 2001 TY_{188} 8 30.6 358°.86 0°.0/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.33	− 8 31.0	0.862	1.789	19.1	18.7
8 9	22 53.62	− 8 28.0	0.813	1.785	13.8	18.4
8 19	22 46.75	− 8 39.0	0.782	1.781	7.7	18.1
8 29	22 37.90	− 8 58.0	0.770	1.780	1.1	17.6
9 8	22 28.81	− 9 16.9	0.779	1.780	5.7	18.0
9 18	22 21.23	− 9 28.2	0.809	1.782	12.0	18.3
9 28	22 16.61	− 9 26.3	0.857	1.786	17.5	18.6
10 8	22 15.66	− 9 8.6	0.921	1.791	22.1	19.0

12494 Doughamilton 8 30.6 34°.59 7°.5/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.82	−11 55.7	0.937	1.867	17.7	16.7
8 9	22 52.55	−16 12.6	0.894	1.869	12.3	16.5
8 19	22 46.21	−20 49.1	0.875	1.871	8.0	16.2
8 29	22 37.84	−25 15.8	0.882	1.873	8.5	16.3
9 8	22 29.07	−29 4.0	0.914	1.876	13.1	16.5
9 18	22 21.65	−31 56.2	0.968	1.878	18.1	16.8
9 28	22 17.08	−33 47.9	1.040	1.881	22.4	17.1
10 8	22 16.15	−34 44.9	1.126	1.884	25.8	17.4

59925 1999 RR_{172} 8 30.6 301°.96 1°.6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.52	− 9 57.4	2.015	2.911	11.3	18.8
8 9	22 50.30	−11 5.3	1.941	2.900	8.0	18.6
8 19	22 44.45	−12 22.3	1.892	2.888	4.3	18.4
8 29	22 37.57	−13 42.3	1.869	2.877	1.6	18.2
9 8	22 30.45	−14 58.4	1.875	2.866	4.5	18.3
9 18	22 23.93	−16 4.4	1.907	2.855	8.2	18.6
9 28	22 18.81	−16 55.5	1.965	2.844	11.7	18.7
10 8	22 15.64	−17 29.4	2.044	2.833	14.6	18.9

161842 2007 AV_{7} 8 30.6 194°.43 3°.4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.75	−17 18.3	2.572	3.469	9.1	20.1
8 9	22 50.87	−18 39.4	2.510	3.467	6.5	19.9
8 19	22 44.64	−20 2.2	2.475	3.465	4.1	19.7
8 29	22 37.59	−21 20.8	2.468	3.462	3.5	19.7
9 8	22 30.39	−22 29.7	2.491	3.460	5.4	19.8
9 18	22 23.73	−23 24.6	2.542	3.456	8.0	20.0
9 28	22 18.24	−24 3.1	2.617	3.453	10.6	20.1
10 8	22 14.39	−24 24.7	2.715	3.449	12.7	20.3

380272 2002 AC_{11} 8 30.6 216°.03 3°.4/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.19	−15 32.5	2.058	2.955	11.0	20.7
8 9	22 53.61	−16 45.2	1.990	2.948	7.8	20.5
8 19	22 46.27	−18 1.7	1.947	2.940	4.7	20.3
8 29	22 37.83	−19 15.1	1.932	2.932	3.4	20.2
9 8	22 29.17	−20 18.6	1.945	2.923	5.9	20.3
9 18	22 21.19	−21 7.1	1.986	2.914	9.2	20.5
9 28	22 14.73	−21 37.5	2.051	2.904	12.4	20.7
10 8	22 10.37	−21 49.4	2.136	2.893	15.1	20.9

111260 2001 XR_{24} 8 30.6 221°.17 0°.2/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.95	− 6 48.4	1.449	2.340	15.2	20.0
8 9	22 56.78	− 7 6.2	1.382	2.336	11.0	19.7
8 19	22 48.20	− 7 36.1	1.338	2.332	6.2	19.5
8 29	22 38.12	− 8 13.2	1.318	2.328	1.0	19.1
9 8	22 27.76	− 8 51.1	1.325	2.323	4.4	19.3
9 18	22 18.42	− 9 23.4	1.357	2.318	9.4	19.6
9 28	22 11.23	− 9 45.2	1.412	2.313	13.9	19.9
10 8	22 6.90	− 9 53.5	1.488	2.308	17.7	20.1

359728 2011 UT_{29} 8 30.6 164°.14 0°.6/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.81	− 7 16.6	1.377	2.273	15.5	21.0
8 9	22 55.97	− 8 1.4	1.318	2.275	11.1	20.8
8 19	22 47.74	− 8 59.5	1.282	2.277	6.1	20.5
8 29	22 38.05	−10 4.1	1.270	2.279	0.9	20.1
9 8	22 28.16	−11 6.5	1.284	2.281	4.8	20.4
9 18	22 19.38	−11 59.2	1.323	2.282	9.9	20.7
9 28	22 12.81	−12 36.4	1.385	2.283	14.4	21.0
10 8	22 9.13	−12 55.7	1.467	2.283	18.1	21.3

436084 2009 SH_{177} 8 30.6 282°.10 2°.2/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 49.25	+ 4 58.1	4.396	5.214	7.2	21.4
8 9	22 45.84	+ 4 39.2	4.299	5.200	5.6	21.3
8 19	22 41.73	+ 4 11.5	4.228	5.187	4.0	21.2
8 29	22 37.19	+ 3 36.1	4.184	5.173	2.5	21.1
9 8	22 32.55	+ 2 54.8	4.170	5.159	2.4	21.0
9 18	22 28.15	+ 2 9.9	4.185	5.146	3.7	21.1
9 28	22 24.32	+ 1 23.9	4.229	5.132	5.4	21.2
10 8	22 21.33	+ 0 39.5	4.300	5.118	7.0	21.3

112365 2002 NS_{18} 8 30.6 45°.79 0°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.00	− 3 39.0	1.200	2.101	17.0	18.9
8 9	22 52.61	− 4 43.0	1.155	2.113	12.2	18.7
8 19	22 45.87	− 6 6.5	1.130	2.125	6.8	18.4
8 29	22 37.78	− 7 40.9	1.129	2.138	1.2	18.1
9 8	22 29.63	− 9 15.1	1.152	2.152	4.6	18.4
9 18	22 22.69	−10 38.8	1.200	2.165	9.9	18.7
9 28	22 18.02	−11 44.3	1.269	2.180	14.5	19.0
10 8	22 16.17	−12 27.8	1.358	2.194	18.3	19.3

316273 2010 PL_{42} 8 30.6 295°.74 2°.0/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.13	− 2 10.0	2.067	2.934	12.3	20.5
8 9	22 52.88	− 2 6.5	1.979	2.917	9.2	20.2
8 19	22 45.90	− 2 14.6	1.915	2.899	5.7	20.0
8 29	22 37.80	− 2 32.3	1.877	2.882	2.5	19.7
9 8	22 29.38	− 2 56.3	1.866	2.864	3.4	19.8
9 18	22 21.52	− 3 22.5	1.883	2.847	7.0	20.0
9 28	22 15.06	− 3 46.6	1.926	2.830	10.6	20.2
10 8	22 10.61	− 4 4.8	1.991	2.813	13.8	20.3

205147 1999 XR_{53} 8 30.6 326°.10 5°.1/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.87	−16 53.8	1.300	2.222	14.4	19.6
8 9	22 52.13	−18 0.9	1.228	2.197	10.4	19.3
8 19	22 45.84	−19 13.8	1.176	2.172	6.5	19.0
8 29	22 37.81	−20 22.5	1.148	2.148	5.2	18.9
9 8	22 29.28	−21 16.7	1.144	2.125	8.4	19.0
9 18	22 21.65	−21 48.6	1.162	2.103	13.0	19.2
9 28	22 16.21	−21 54.3	1.201	2.082	17.3	19.4
10 8	22 13.79	−21 34.0	1.256	2.063	21.1	19.6

510970 2013 GE_{98} 8 30.6 113°.98 3°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.55	−18 32.8	2.557	3.450	9.3	22.0
8 9	22 52.72	−19 17.2	2.511	3.465	6.6	21.9
8 19	22 45.59	−20 0.6	2.491	3.480	4.1	21.8
8 29	22 37.76	−20 38.5	2.499	3.495	3.3	21.7
9 8	22 29.94	−21 6.9	2.536	3.509	5.0	21.9
9 18	22 22.80	−21 23.2	2.601	3.523	7.6	22.1
9 28	22 16.96	−21 26.3	2.691	3.536	10.0	22.2
10 8	22 12.82	−21 16.3	2.803	3.549	12.1	22.4

280938 2006 BG_{73} 8 30.6 49°.98 1°.8/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.77	−11 21.7	1.364	2.268	15.1	20.1
8 9	22 55.64	−11 51.8	1.330	2.292	10.6	19.9
8 19	22 47.37	−12 28.3	1.318	2.316	5.7	19.7
8 29	22 38.01	−13 4.5	1.331	2.340	1.8	19.5
9 8	22 28.83	−13 33.7	1.370	2.364	5.2	19.8
9 18	22 20.99	−13 51.2	1.434	2.389	9.6	20.1
9 28	22 15.39	−13 54.6	1.520	2.414	13.6	20.4
10 8	22 12.48	−13 43.4	1.627	2.440	16.8	20.7

134761 2000 CN_{77} 8 30.6 90°.88 1°.1/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.96	−11 46.2	1.510	2.402	14.6	19.7
8 9	22 59.46	−11 37.3	1.450	2.405	10.4	19.5
8 19	22 49.60	−11 32.9	1.413	2.408	5.7	19.2
8 29	22 38.35	−11 28.7	1.402	2.411	1.2	18.9
9 8	22 27.02	−11 20.4	1.417	2.413	4.7	19.2
9 18	22 16.87	−11 5.1	1.460	2.416	9.4	19.5
9 28	22 9.00	−10 40.9	1.526	2.419	13.6	19.7
10 8	22 4.01	−10 7.4	1.613	2.422	17.1	20.0

135589 2002 GO_{112} 8 30.6 12°.31 6°.0/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.53	−16 39.9	0.959	1.894	16.9	18.3
8 9	22 52.09	−18 6.7	0.922	1.897	12.1	18.0
8 19	22 45.79	−19 37.3	0.904	1.901	7.5	17.8
8 29	22 37.82	−20 58.1	0.907	1.906	6.2	17.8
9 8	22 29.78	−21 56.7	0.931	1.913	9.6	18.0
9 18	22 23.22	−22 26.0	0.976	1.922	14.3	18.3
9 28	22 19.37	−22 24.4	1.040	1.931	18.6	18.6
10 8	22 18.80	−21 54.6	1.119	1.942	22.2	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
119918 2002 EX_{84}			8 30.6	57°.33	0°.7/29.7	18
	h m	° ′			°	m
7 30	22 53.54	− 9 17.6	2.763	3.648	9.0	19.5
8 9	22 49.12	− 9 55.4	2.709	3.662	6.3	19.4
8 19	22 43.61	−10 38.4	2.681	3.675	3.4	19.2
8 29	22 37.50	−11 23.0	2.680	3.689	0.7	19.0
9 8	22 31.35	−12 5.4	2.709	3.703	2.9	19.2
9 18	22 25.72	−12 42.1	2.766	3.717	5.8	19.4
9 28	22 21.14	−13 10.6	2.849	3.731	8.4	19.6
10 8	22 17.96	−13 29.3	2.957	3.745	10.6	19.8
505104 2012 CP_{12}			8 30.6	151°.01	0°.6/30.2	17
7 30	23 3.11	− 8 20.3	1.588	2.477	14.2	22.3
8 9	22 56.63	− 8 51.7	1.530	2.484	10.1	22.1
8 19	22 48.02	− 9 33.0	1.494	2.489	5.5	21.8
8 29	22 38.14	−10 18.4	1.485	2.495	0.9	21.5
9 8	22 28.15	−11 1.3	1.503	2.499	4.4	21.8
9 18	22 19.19	−11 36.0	1.547	2.504	9.0	22.0
9 28	22 12.25	−11 58.5	1.616	2.508	13.0	22.3
10 8	22 7.92	−12 6.7	1.705	2.511	16.4	22.5
314530 2005 YR_{27}			8 30.6	149°.93	0°.7/31.5	18
7 30	22 56.60	− 4 36.7	2.632	3.499	10.0	21.1
8 9	22 51.37	− 4 56.8	2.564	3.504	7.2	20.9
8 19	22 44.89	− 5 25.1	2.521	3.510	4.2	20.7
8 29	22 37.69	− 5 58.9	2.506	3.514	1.1	20.5
9 8	22 30.41	− 6 34.5	2.520	3.519	2.6	20.6
9 18	22 23.66	− 7 8.5	2.564	3.523	5.7	20.8
9 28	22 18.05	− 7 37.6	2.634	3.527	8.5	21.0
10 8	22 13.98	− 7 59.3	2.728	3.531	11.0	21.2
34378 2000 RV_{54}			8 30.6	15°.83	1°.5/31.8	18
7 30	22 59.44	− 4 25.7	1.821	2.699	13.2	17.6
8 9	22 53.83	− 4 17.9	1.757	2.702	9.7	17.4
8 19	22 46.41	− 4 20.7	1.716	2.704	5.7	17.2
8 29	22 37.92	− 4 31.6	1.700	2.707	1.9	16.9
9 8	22 29.30	− 4 46.7	1.712	2.711	3.5	17.1
9 18	22 21.50	− 5 1.9	1.750	2.715	7.4	17.3
9 28	22 15.35	− 5 13.5	1.814	2.719	11.1	17.6
10 8	22 11.43	− 5 18.2	1.900	2.723	14.3	17.8
231899 2000 WX_{156}			8 30.6	268°.25	6°.0/25.5	18
7 30	23 1.71	−22 41.5	1.750	2.653	12.3	19.9
8 9	22 55.72	−23 42.4	1.687	2.643	9.2	19.7
8 19	22 47.57	−24 40.1	1.648	2.632	6.6	19.5
8 29	22 38.09	−25 26.5	1.635	2.620	6.2	19.4
9 8	22 28.39	−25 54.8	1.648	2.609	8.4	19.5
9 18	22 19.61	−26 1.2	1.686	2.598	11.6	19.7
9 28	22 12.76	−25 45.0	1.747	2.587	14.8	19.9
10 8	22 8.49	−25 8.4	1.826	2.575	17.5	20.1
504325 2007 RL_{287}			8 30.6	294°.08	1°.4/31.7	17
7 30	22 58.12	− 2 28.4	1.289	2.181	16.6	21.4
8 9	22 53.62	− 3 6.5	1.219	2.171	12.3	21.2
8 19	22 46.62	− 4 5.5	1.170	2.162	7.3	20.8
8 29	22 37.98	− 5 20.1	1.144	2.152	2.1	20.5
9 8	22 28.94	− 6 41.4	1.142	2.142	4.4	20.6
9 18	22 20.84	− 7 59.6	1.165	2.133	9.8	20.9
9 28	22 14.92	− 9 5.6	1.210	2.124	14.8	21.2
10 8	22 11.95	− 9 53.6	1.275	2.115	19.0	21.4
397595 2007 VS_{54}			8 30.6	284°.02	3°.5/ 2.9	18
7 30	22 57.14	+ 3 32.6	2.000	2.847	13.5	21.9
8 9	22 52.37	+ 3 16.2	1.898	2.818	10.5	21.6
8 19	22 45.76	+ 2 41.4	1.817	2.789	7.2	21.4
8 29	22 37.86	+ 1 49.4	1.762	2.760	4.1	21.1
9 8	22 29.49	+ 0 44.3	1.735	2.730	4.1	21.1
9 18	22 21.57	− 0 28.1	1.735	2.700	7.4	21.2
9 28	22 15.02	− 1 40.7	1.760	2.669	11.2	21.4
10 8	22 10.55	− 2 47.1	1.809	2.638	14.7	21.5
214998 2008 CT_{77}			8 30.6	285°.15	2°.7/27.9	18
7 30	22 56.61	−13 36.6	1.955	2.856	11.4	20.4
8 9	22 51.84	−14 38.8	1.888	2.848	8.0	20.2
8 19	22 45.34	−15 46.4	1.845	2.841	4.5	20.0
8 29	22 37.78	−16 52.9	1.830	2.834	2.7	19.9
9 8	22 30.02	−17 51.7	1.842	2.826	5.3	20.0
9 18	22 22.95	−18 37.4	1.880	2.819	8.9	20.2
9 28	22 17.38	−19 6.7	1.943	2.812	12.2	20.4
10 8	22 13.90	−19 18.4	2.026	2.805	15.1	20.6
261744 2006 AS_{105}			8 30.6	346°.51	0°.9/29.8	18
7 30	22 54.55	− 8 58.1	1.667	2.569	12.9	19.9
8 9	22 50.57	− 9 34.8	1.599	2.560	9.2	19.7
8 19	22 44.72	−10 21.2	1.555	2.552	5.0	19.4
8 29	22 37.71	−11 12.0	1.535	2.544	1.0	19.1
9 8	22 30.48	−12 0.6	1.542	2.538	4.3	19.3
9 18	22 24.01	−12 41.0	1.574	2.532	8.6	19.6
9 28	22 19.21	−13 8.7	1.629	2.528	12.6	19.8
10 8	22 16.66	−13 21.1	1.705	2.524	15.9	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
198110 Heathrhoades			8 30.6	305°.22	2°.7/ 1.8	18
	h m	° ′			°	m
7 30	22 56.79	− 0 16.1	1.535	2.413	15.3	19.9
8 9	22 52.50	− 0 31.1	1.448	2.389	11.6	19.6
8 19	22 45.98	− 1 5.3	1.381	2.366	7.4	19.3
8 29	22 37.91	− 1 56.2	1.338	2.343	3.3	19.0
9 8	22 29.34	− 2 58.1	1.320	2.320	4.2	19.0
9 18	22 21.42	− 4 3.7	1.328	2.297	8.8	19.2
9 28	22 15.28	− 5 4.8	1.360	2.275	13.3	19.4
10 8	22 11.75	− 5 54.8	1.412	2.253	17.4	19.6
140778 2001 UA_{133}			8 30.6	302°.17	0°.6/31.2	18
7 30	22 57.01	− 5 9.7	1.912	2.794	12.5	20.8
8 9	22 52.13	− 5 35.8	1.839	2.787	9.1	20.6
8 19	22 45.51	− 6 13.2	1.789	2.781	5.2	20.3
8 29	22 37.82	− 6 58.0	1.766	2.775	1.1	20.0
9 8	22 29.92	− 7 45.1	1.770	2.769	3.4	20.2
9 18	22 22.69	− 8 29.0	1.801	2.763	7.5	20.4
9 28	22 16.98	− 9 4.9	1.857	2.757	11.2	20.6
10 8	22 13.35	− 9 29.7	1.935	2.751	14.4	20.8
372833 2010 UE_{73}			8 30.7	293°.04	4°.8/26.9	18
7 30	23 0.15	−16 23.1	1.339	2.253	14.6	20.7
8 9	22 55.17	−17 33.1	1.269	2.235	10.5	20.4
8 19	22 47.55	−18 48.7	1.222	2.217	6.5	20.2
8 29	22 38.15	−20 0.2	1.199	2.199	4.9	20.0
9 8	22 28.29	−20 57.1	1.200	2.181	8.1	20.2
9 18	22 19.41	−21 31.9	1.225	2.164	12.7	20.4
9 28	22 12.80	−21 41.3	1.271	2.146	17.0	20.6
10 8	22 9.28	−21 25.6	1.335	2.129	20.7	20.8
412359 2013 LN_{20}			8 30.7	107°.34	3°.8/28.0	17
7 30	23 4.18	−15 0.6	1.324	2.231	15.2	20.7
8 9	22 57.67	−15 56.4	1.279	2.241	10.8	20.5
8 19	22 48.68	−16 55.8	1.256	2.251	6.2	20.2
8 29	22 38.29	−17 49.9	1.258	2.261	3.9	20.1
9 8	22 27.89	−18 30.3	1.285	2.271	7.0	20.3
9 18	22 18.83	−18 51.8	1.337	2.280	11.4	20.6
9 28	22 12.22	−18 52.5	1.410	2.289	15.4	20.9
10 8	22 8.62	−18 33.5	1.503	2.297	18.8	21.2
249537 2010 GK_{157}			8 30.7	173°.26	1°.4/ 1.1	18
7 30	22 58.55	− 2 14.6	2.122	2.987	12.1	21.3
8 9	22 53.04	− 2 39.5	2.052	2.990	8.9	21.1
8 19	22 45.95	− 3 16.7	2.006	2.991	5.4	20.9
8 29	22 37.90	− 4 3.0	1.986	2.993	1.9	20.7
9 8	22 29.70	− 4 53.5	1.995	2.994	3.1	20.8
9 18	22 22.17	− 5 43.4	2.032	2.994	6.7	21.0
9 28	22 16.05	− 6 27.7	2.095	2.995	10.1	21.2
10 8	22 11.86	− 7 3.0	2.182	2.994	13.1	21.4
226377 2003 KC_{30}			8 30.7	138°.90	1°.8/28.9	18
7 30	22 59.70	−10 53.9	1.942	2.834	11.9	20.6
8 9	22 53.91	−11 54.0	1.888	2.844	8.3	20.4
8 19	22 46.43	−13 0.6	1.858	2.853	4.5	20.2
8 29	22 37.97	−14 7.6	1.855	2.862	1.8	20.0
9 8	22 29.43	−15 8.4	1.881	2.871	4.6	20.3
9 18	22 21.71	−15 57.8	1.934	2.879	8.3	20.5
9 28	22 15.60	−16 32.2	2.012	2.887	11.6	20.7
10 8	22 11.61	−16 50.6	2.112	2.894	14.4	20.9
33518 Stoetzer			8 30.7	262°.43	0°.4/30.9	18
7 30	23 1.74	− 6 1.0	1.367	2.261	15.8	18.4
8 9	22 56.06	− 6 20.5	1.302	2.256	11.5	18.1
8 19	22 47.92	− 6 53.9	1.257	2.251	6.5	17.9
8 29	22 38.21	− 7 36.1	1.237	2.247	1.2	17.5
9 8	22 28.20	− 8 20.2	1.243	2.242	4.4	17.7
9 18	22 19.22	− 8 59.1	1.273	2.237	9.7	18.0
9 28	22 12.46	− 9 27.2	1.326	2.232	14.3	18.3
10 8	22 8.61	− 9 40.8	1.399	2.227	18.2	18.5
430104 2013 SH_{84}			8 30.7	356°.06	7°.2/26.1	15
7 30	23 0.46	−21 35.3	1.111	2.035	16.0	19.7
8 9	22 55.53	−22 33.4	1.064	2.031	11.9	19.5
8 19	22 47.72	−23 27.9	1.038	2.028	8.2	19.3
8 29	22 38.18	−24 7.4	1.034	2.026	7.3	19.2
9 8	22 28.52	−24 23.0	1.052	2.025	10.2	19.4
9 18	22 20.32	−24 10.7	1.091	2.026	14.3	19.6
9 28	22 14.84	−23 31.1	1.150	2.027	18.3	19.9
10 8	22 12.71	−22 28.4	1.226	2.029	21.7	20.1
179512 2002 CR_{143}			8 30.7	354°.55	1°.5/29.1	18
7 30	22 54.51	− 8 59.6	1.853	2.750	12.1	19.5
8 9	22 50.38	−10 10.7	1.790	2.749	8.5	19.2
8 19	22 44.57	−11 31.7	1.751	2.747	4.6	19.0
8 29	22 37.73	−12 56.2	1.738	2.746	1.5	18.8
9 8	22 30.71	−14 16.4	1.753	2.746	4.5	19.0
9 18	22 24.41	−15 25.7	1.795	2.745	8.4	19.2
9 28	22 19.61	−16 19.2	1.861	2.745	12.0	19.5
10 8	22 16.86	−16 54.5	1.948	2.745	15.0	19.7

148050 1998 SG_{103} 8 30.7 294.°60 0.°8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.13	− 3 25.0	1.459	2.349	15.2	20.2
8 9	22 52.85	− 4 10.2	1.374	2.325	11.2	19.9
8 19	22 46.24	− 5 14.9	1.310	2.302	6.5	19.6
8 29	22 38.01	− 6 34.1	1.270	2.279	1.5	19.2
9 8	22 29.23	− 7 59.6	1.256	2.256	4.3	19.3
9 18	22 21.15	− 9 21.9	1.268	2.233	9.5	19.6
9 28	22 14.96	−10 32.3	1.303	2.210	14.4	19.8
10 8	22 11.50	−11 24.9	1.357	2.188	18.5	20.0

276873 2004 RV_{222} 8 30.7 290.°49 0.°9/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.94	−11 34.2	2.549	3.423	10.0	20.7
8 9	22 56.97	−11 39.3	2.435	3.382	7.2	20.4
8 19	22 48.25	−11 47.9	2.347	3.340	4.0	20.1
8 29	22 38.30	−11 56.8	2.289	3.297	1.0	19.8
9 8	22 27.87	−12 2.6	2.261	3.254	3.5	20.0
9 18	22 17.80	−12 2.6	2.263	3.210	7.1	20.1
9 28	22 8.93	−11 54.5	2.293	3.166	10.5	20.3
10 8	22 1.91	−11 37.1	2.346	3.120	13.4	20.4

339145 2004 TA_6 8 30.7 276.°35 5.°0/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.44	+ 8 48.9	1.758	2.590	15.7	21.2
8 9	22 51.26	+ 8 12.1	1.671	2.577	12.6	21.0
8 19	22 45.19	+ 7 8.7	1.604	2.564	9.1	20.8
8 29	22 37.86	+ 5 40.2	1.562	2.550	5.9	20.6
9 8	22 30.18	+ 3 52.5	1.546	2.537	5.2	20.5
9 18	22 23.13	+ 1 54.1	1.557	2.524	7.9	20.6
9 28	22 17.66	− 0 4.5	1.594	2.511	11.6	20.8
10 8	22 14.43	− 1 54.1	1.654	2.497	15.2	21.0

469389 2001 SF_{320} 8 30.7 358.°84 1.°5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.58	− 9 16.3	1.120	2.039	16.4	20.1
8 9	22 51.93	−10 0.0	1.067	2.035	11.7	19.8
8 19	22 45.73	−10 56.9	1.034	2.033	6.4	19.5
8 29	22 37.94	−11 58.7	1.023	2.032	1.6	19.2
9 8	22 29.93	−12 55.8	1.035	2.032	5.7	19.5
9 18	22 23.10	−13 39.6	1.069	2.033	11.1	19.8
9 28	22 18.63	−14 4.4	1.125	2.036	15.9	20.1
10 8	22 17.19	−14 8.2	1.198	2.039	19.9	20.3

511647 2015 BM_{252} 8 30.7 69.°86 3.°3/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.20	+ 0 15.4	1.439	2.312	16.4	20.8
8 9	22 55.42	+ 0 17.2	1.384	2.322	12.4	20.6
8 19	22 47.44	+ 0 0.5	1.350	2.333	7.9	20.4
8 29	22 38.18	− 0 31.9	1.340	2.343	3.9	20.1
9 8	22 28.82	− 1 14.3	1.356	2.354	4.5	20.2
9 18	22 20.54	− 2 0.2	1.397	2.365	8.6	20.5
9 28	22 14.34	− 2 42.6	1.462	2.376	12.7	20.8
10 8	22 10.83	− 3 16.2	1.548	2.386	16.3	21.0

126598 2002 CC_{134} 8 30.7 13.°50 0.°4/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 50.94	− 3 52.8	1.104	2.018	17.1	17.5
8 9	22 48.52	− 5 23.1	1.058	2.023	12.2	17.3
8 19	22 43.78	− 7 15.4	1.032	2.030	6.7	17.0
8 29	22 37.66	− 9 19.2	1.028	2.038	0.9	16.6
9 8	22 31.40	−11 20.5	1.048	2.047	5.1	17.0
9 18	22 26.26	−13 6.7	1.092	2.059	10.5	17.3
9 28	22 23.28	−14 28.7	1.157	2.071	15.3	17.6
10 8	22 23.04	−15 22.4	1.241	2.085	19.1	17.9

285527 2000 FJ_{52} 8 30.7 108.°00 0.°1/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.59	− 6 18.6	2.509	3.385	10.1	21.8
8 9	22 50.74	− 6 49.1	2.444	3.391	7.2	21.6
8 19	22 44.62	− 7 27.4	2.405	3.397	4.0	21.4
8 29	22 37.77	− 8 10.0	2.393	3.403	0.6	21.2
9 8	22 30.83	− 8 52.9	2.411	3.409	2.8	21.4
9 18	22 24.46	− 9 32.1	2.457	3.414	6.0	21.6
9 28	22 19.24	−10 4.4	2.529	3.420	8.9	21.8
10 8	22 15.62	−10 27.4	2.625	3.426	11.4	22.0

23059 Paulpaino 8 30.7 51.°29 1.°0/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.49	− 4 36.2	1.173	2.071	17.5	17.4
8 9	22 55.78	− 4 55.4	1.135	2.091	12.6	17.2
8 19	22 47.64	− 5 30.7	1.118	2.111	7.2	17.0
8 29	22 38.20	− 6 16.1	1.123	2.132	1.7	16.7
9 8	22 28.86	− 7 3.6	1.153	2.153	4.4	17.0
9 18	22 20.95	− 7 45.6	1.207	2.175	9.6	17.3
9 28	22 15.49	− 8 16.4	1.283	2.196	14.1	17.7
10 8	22 12.99	− 8 32.6	1.379	2.218	17.8	18.0

476298 2007 VQ_{325} 8 30.7 285.°45 1.°6/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.94	−11 45.7	1.932	2.823	12.0	21.5
8 9	22 55.17	−12 12.0	1.839	2.795	8.6	21.2
8 19	22 47.37	−12 44.4	1.771	2.766	4.7	21.0
8 29	22 38.20	−13 18.2	1.729	2.737	1.6	20.7
9 8	22 28.58	−13 47.9	1.715	2.708	4.6	20.8
9 18	22 19.53	−14 8.9	1.728	2.678	8.7	21.0
9 28	22 12.04	−14 17.5	1.767	2.648	12.6	21.2
10 8	22 6.84	−14 12.3	1.826	2.618	16.0	21.4

444358 2005 XB_{21} 8 30.7 155.°88 5.°0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.82	+ 9 11.2	2.296	3.108	13.1	21.0
8 9	22 51.07	+ 9 8.9	2.219	3.109	10.6	20.9
8 19	22 44.89	+ 8 48.1	2.164	3.110	7.9	20.7
8 29	22 37.82	+ 8 9.7	2.134	3.112	5.6	20.6
9 8	22 30.59	+ 7 16.6	2.131	3.113	5.1	20.5
9 18	22 23.92	+ 6 13.7	2.156	3.114	6.7	20.6
9 28	22 18.50	+ 5 6.8	2.207	3.114	9.3	20.8
10 8	22 14.83	+ 4 1.7	2.282	3.115	11.9	21.0

42445 3123 T_{-3} 8 30.7 82.°62 1.°9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.15	+ 0 4.6	2.202	3.062	11.9	19.2
8 9	22 50.58	− 0 29.3	2.135	3.068	8.9	19.0
8 19	22 44.60	− 1 17.1	2.091	3.073	5.5	18.8
8 29	22 37.78	− 2 15.4	2.074	3.079	2.4	18.6
9 8	22 30.84	− 3 19.5	2.085	3.084	3.0	18.6
9 18	22 24.51	− 4 23.8	2.125	3.090	6.3	18.9
9 28	22 19.47	− 5 23.1	2.190	3.095	9.5	19.1
10 8	22 16.18	− 6 13.3	2.280	3.101	12.3	19.3

378207 2007 AH_1 8 30.7 163.°51 0.°7/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.38	− 8 0.1	1.864	2.749	12.6	21.6
8 9	22 54.52	− 8 46.1	1.802	2.754	9.0	21.4
8 19	22 46.86	− 9 41.6	1.763	2.758	4.9	21.1
8 29	22 38.11	−10 41.0	1.752	2.762	0.8	20.9
9 8	22 29.23	−11 38.1	1.769	2.765	4.0	21.1
9 18	22 21.16	−12 27.1	1.813	2.767	8.1	21.4
9 28	22 14.75	−13 3.8	1.883	2.769	11.7	21.6
10 8	22 10.56	−13 25.9	1.974	2.771	14.8	21.8

295635 2008 SN_{253} 8 30.7 259.°99 3.°8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.27	−17 9.9	1.754	2.656	12.4	21.1
8 9	22 55.36	−17 55.1	1.690	2.649	8.9	20.9
8 19	22 47.41	−18 41.7	1.649	2.642	5.4	20.6
8 29	22 38.20	−19 23.0	1.634	2.635	3.9	20.5
9 8	22 28.80	−19 52.6	1.647	2.627	6.4	20.7
9 18	22 20.27	−20 6.3	1.685	2.620	10.1	20.9
9 28	22 13.58	−20 2.2	1.747	2.612	13.6	21.1
10 8	22 9.35	−19 40.8	1.828	2.605	16.6	21.3

71437 2000 AE_{209} 8 30.7 180.°80 0.°2/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.07	− 7 36.7	2.681	3.558	9.5	20.2
8 9	22 51.04	− 8 7.9	2.610	3.558	6.8	20.0
8 19	22 44.79	− 8 45.7	2.565	3.558	3.7	19.9
8 29	22 37.81	− 9 26.7	2.549	3.558	0.5	19.6
9 8	22 30.72	−10 7.2	2.561	3.558	2.8	19.8
9 18	22 24.14	−10 43.6	2.603	3.558	5.9	20.0
9 28	22 18.65	−11 12.8	2.671	3.557	8.7	20.2
10 8	22 14.68	−11 32.7	2.764	3.556	11.1	20.4

254402 2004 TQ_{288} 8 30.7 281.°64 0.°4/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.62	− 5 39.2	2.211	3.089	11.2	21.1
8 9	22 51.69	− 6 2.4	2.136	3.083	8.1	20.9
8 19	22 45.26	− 6 35.0	2.085	3.076	4.6	20.6
8 29	22 37.89	− 7 13.5	2.060	3.069	0.9	20.4
9 8	22 30.34	− 7 53.7	2.064	3.063	3.0	20.5
9 18	22 23.37	− 8 31.1	2.096	3.056	6.7	20.7
9 28	22 17.71	− 9 1.8	2.154	3.050	10.0	20.9
10 8	22 13.87	− 9 22.9	2.234	3.043	12.9	21.1

261881 2006 HR_5 8 30.7 337.°39 14.°3/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.69	−26 52.0	0.850	1.792	17.6	18.9
8 9	22 51.65	−31 41.3	0.821	1.785	14.9	18.8
8 19	22 46.09	−36 20.2	0.815	1.779	14.6	18.7
8 29	22 38.07	−40 16.9	0.830	1.774	17.0	18.8
9 8	22 29.47	−43 9.4	0.865	1.769	20.7	19.0
9 18	22 22.41	−44 50.6	0.916	1.765	24.4	19.3
9 28	22 18.66	−45 25.4	0.979	1.762	27.5	19.5
10 8	22 19.09	−45 5.3	1.051	1.760	30.0	19.7

304241 2006 RS_{26} 8 30.7 245.°96 0.°9/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.17	− 3 12.6	2.058	2.932	12.1	21.6
8 9	22 51.47	− 3 53.2	1.984	2.927	8.8	21.4
8 19	22 45.17	− 4 46.8	1.933	2.923	5.1	21.2
8 29	22 37.89	− 5 49.2	1.910	2.918	1.4	20.9
9 8	22 30.41	− 6 54.8	1.914	2.913	3.1	21.0
9 18	22 23.55	− 7 58.0	1.946	2.908	7.0	21.3
9 28	22 18.06	− 8 53.2	2.004	2.903	10.5	21.5
10 8	22 14.50	− 9 36.8	2.085	2.898	13.6	21.7

393719 2004 VS_{28} 8 30.7 327.°72 24.°7/ 6.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 19.03	−56 43.5	0.970	1.810	24.9	20.1
8 9	23 11.23	−58 51.1	0.956	1.800	24.7	20.0
8 19	22 57.19	−60 8.1	0.953	1.790	25.2	20.0
8 29	22 39.62	−60 17.9	0.963	1.781	26.1	20.1
9 8	22 22.66	−59 14.9	0.984	1.773	27.4	20.1
9 18	22 9.84	−57 5.6	1.016	1.766	28.9	20.2
9 28	22 2.93	−54 3.8	1.058	1.760	30.4	20.4
10 8	22 1.88	−50 25.2	1.109	1.754	31.7	20.5

112826 2002 QQ_9 8 30.7 330°.69 0°.2/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.71	− 5 32.5	1.159	2.068	16.8	18.7
8 9	22 52.15	− 6 7.6	1.091	2.053	12.2	18.4
8 19	22 45.97	− 7 1.2	1.043	2.040	6.9	18.1
8 29	22 38.04	− 8 7.2	1.017	2.027	1.1	17.6
9 8	22 29.68	− 9 16.3	1.015	2.015	4.9	17.9
9 18	22 22.30	−10 18.5	1.035	2.003	10.7	18.2
9 28	22 17.22	−11 5.6	1.076	1.993	15.8	18.4
10 8	22 15.24	−11 32.7	1.135	1.984	20.2	18.7

488354 2016 WH_{17} 8 30.7 282°.78 1°.0/31.7 17

7 30	22 56.88	− 2 33.3	1.973	2.846	12.6	22.0
8 9	22 52.22	− 3 16.6	1.876	2.819	9.3	21.7
8 19	22 45.74	− 4 15.4	1.803	2.791	5.5	21.5
8 29	22 38.01	− 5 26.1	1.755	2.764	1.6	21.1
9 8	22 29.83	− 6 42.8	1.736	2.735	3.4	21.2
9 18	22 22.14	− 7 58.7	1.745	2.707	7.6	21.4
9 28	22 15.83	− 9 7.1	1.779	2.678	11.6	21.6
10 8	22 11.61	−10 2.8	1.835	2.649	15.1	21.8

295503 2008 RE_{55} 8 30.7 274°.06 1°.3/ 2.2 17

7 30	22 49.66	− 0 16.4	4.462	5.306	6.6	21.2
8 9	22 46.17	− 0 34.2	4.375	5.299	5.0	21.0
8 19	22 42.00	− 0 58.7	4.315	5.292	3.2	20.9
8 29	22 37.43	− 1 28.4	4.284	5.285	1.5	20.8
9 8	22 32.78	− 2 1.5	4.281	5.278	1.8	20.8
9 18	22 28.38	− 2 35.8	4.309	5.271	3.5	20.9
9 28	22 24.55	− 3 9.2	4.365	5.264	5.3	21.0
10 8	22 21.55	− 3 39.5	4.447	5.257	6.9	21.2

390423 2013 YM_{34} 8 30.7 138°.65 4°.9/ 3.6 18

7 30	23 1.69	+ 4 42.9	1.821	2.660	14.9	20.6
8 9	22 55.55	+ 5 8.7	1.751	2.664	11.7	20.4
8 19	22 47.49	+ 5 16.9	1.704	2.667	8.3	20.2
8 29	22 38.25	+ 5 7.7	1.681	2.671	5.5	20.0
9 8	22 28.81	+ 4 44.0	1.685	2.674	5.3	20.0
9 18	22 20.16	+ 4 10.4	1.716	2.677	7.9	20.2
9 28	22 13.22	+ 3 32.7	1.772	2.680	11.2	20.4
10 8	22 8.59	+ 2 56.8	1.851	2.682	14.3	20.6

321538 2009 SR_{272} 8 30.7 93°.87 4°.7/ 3.7 18

7 30	23 2.80	+ 5 18.1	2.345	3.164	12.6	20.2
8 9	22 55.98	+ 6 3.9	2.272	3.171	10.0	20.0
8 19	22 47.60	+ 6 36.1	2.224	3.177	7.3	19.9
8 29	22 38.26	+ 6 54.3	2.202	3.184	5.1	19.8
9 8	22 28.77	+ 6 59.9	2.209	3.190	4.9	19.8
9 18	22 19.92	+ 6 55.2	2.244	3.196	6.9	19.9
9 28	22 12.46	+ 6 44.1	2.307	3.203	9.5	20.1
10 8	22 6.91	+ 6 30.7	2.393	3.209	12.0	20.3

80359 1999 XO_{126} 8 30.7 262°.89 0°.6/31.2 18

7 30	23 1.49	− 5 25.2	1.654	2.537	14.1	20.3
8 9	22 55.77	− 5 46.3	1.569	2.518	10.3	20.0
8 19	22 47.81	− 6 20.4	1.507	2.499	5.9	19.7
8 29	22 38.33	− 7 3.6	1.471	2.480	1.2	19.4
9 8	22 28.38	− 7 49.8	1.461	2.460	4.0	19.5
9 18	22 19.14	− 8 32.9	1.478	2.440	8.8	19.8
9 28	22 11.72	− 9 7.0	1.520	2.419	13.2	20.0
10 8	22 6.87	− 9 28.5	1.582	2.398	17.0	20.2

349810 2009 BR_{131} 8 30.7 159°.58 3°.6/26.7 18

7 30	22 58.64	−17 13.1	2.212	3.110	10.4	21.4
8 9	22 53.11	−18 21.3	2.158	3.115	7.4	21.2
8 19	22 46.03	−19 30.7	2.128	3.119	4.6	21.0
8 29	22 38.03	−20 35.1	2.127	3.123	3.7	21.0
9 8	22 29.94	−21 28.6	2.154	3.127	5.7	21.1
9 18	22 22.55	−22 7.1	2.208	3.130	8.7	21.3
9 28	22 16.59	−22 28.7	2.286	3.133	11.5	21.5
10 8	22 12.56	−22 33.2	2.386	3.136	13.9	21.7

214013 2004 CZ_{94} 8 30.7 192°.17 0°.0/30.5 18

7 30	22 56.86	− 5 37.4	2.369	3.244	10.7	21.6
8 9	22 51.78	− 6 27.5	2.296	3.242	7.7	21.4
8 19	22 45.29	− 7 27.5	2.248	3.240	4.3	21.2
8 29	22 37.93	− 8 33.0	2.229	3.238	0.6	20.9
9 8	22 30.42	− 9 38.9	2.238	3.235	3.0	21.1
9 18	22 23.45	−10 40.0	2.276	3.232	6.5	21.3
9 28	22 17.72	−11 32.1	2.341	3.228	9.7	21.5
10 8	22 13.71	−12 12.1	2.429	3.224	12.4	21.7

240658 2005 EX_5 8 30.7 117°.35 0°.6/31.4 18

7 30	22 56.38	− 2 33.3	2.005	2.877	12.4	20.3
8 9	22 51.57	− 3 40.1	1.943	2.887	9.0	20.2
8 19	22 45.20	− 5 0.9	1.906	2.896	5.2	19.9
8 29	22 37.92	− 6 30.4	1.896	2.905	1.2	19.7
9 8	22 30.53	− 8 1.4	1.915	2.914	3.2	19.9
9 18	22 23.84	− 9 27.2	1.962	2.923	7.1	20.1
9 28	22 18.58	−10 41.7	2.036	2.931	10.6	20.3
10 8	22 15.26	−11 41.1	2.132	2.939	13.5	20.6

133982 2004 TX_{268} 8 30.7 244°.69 3°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.38	−20 18.4	2.663	3.556	9.0	20.9
8 9	22 52.82	−21 4.3	2.589	3.543	6.5	20.7
8 19	22 45.85	−21 49.3	2.542	3.529	4.4	20.6
8 29	22 38.02	−22 28.5	2.523	3.514	3.8	20.5
9 8	22 30.02	−22 57.7	2.533	3.499	5.5	20.6
9 18	22 22.54	−23 14.0	2.570	3.484	8.0	20.7
9 28	22 16.27	−23 15.8	2.633	3.469	10.5	20.9
10 8	22 11.68	−23 3.3	2.717	3.453	12.7	21.0

74113 1998 QZ_{42} 8 30.7 354°.66 1°.8/29.2 18

7 30	22 54.41	− 9 22.7	1.313	2.226	14.9	18.4
8 9	22 50.87	−10 20.9	1.255	2.221	10.6	18.1
8 19	22 45.09	−11 31.5	1.218	2.217	5.7	17.8
8 29	22 37.92	−12 46.5	1.205	2.214	1.8	17.6
9 8	22 30.52	−13 56.4	1.217	2.212	5.5	17.8
9 18	22 24.10	−14 52.8	1.252	2.211	10.4	18.1
9 28	22 19.71	−15 30.2	1.309	2.211	14.8	18.3
10 8	22 18.01	−15 46.2	1.385	2.212	18.4	18.6

398230 2010 QQ_1 8 30.7 344°.45 9°.7/21.8 18

7 30	22 57.69	−30 32.6	1.507	2.417	13.5	19.3
8 9	22 53.24	−31 55.4	1.459	2.405	11.1	19.1
8 19	22 46.40	−33 6.9	1.432	2.394	9.8	19.0
8 29	22 38.11	−33 56.7	1.428	2.383	10.2	19.0
9 8	22 29.64	−34 17.5	1.447	2.374	12.2	19.1
9 18	22 22.27	−34 6.4	1.487	2.366	14.9	19.3
9 28	22 17.10	−33 24.8	1.546	2.359	17.6	19.4
10 8	22 14.76	−32 17.2	1.621	2.353	20.1	19.6

433328 2013 QY_{79} 8 30.7 289°.14 4°.2/ 2.8 17

7 30	22 59.00	+ 2 32.9	1.436	2.303	16.7	21.0
8 9	22 54.21	+ 2 33.2	1.355	2.288	13.0	20.7
8 19	22 47.04	+ 2 11.7	1.295	2.272	8.8	20.4
8 29	22 38.23	+ 1 29.8	1.258	2.257	4.9	20.2
9 8	22 28.94	+ 0 32.5	1.245	2.242	5.1	20.2
9 18	22 20.41	− 0 32.8	1.258	2.227	9.1	20.3
9 28	22 13.86	− 1 37.3	1.293	2.211	13.6	20.6
10 8	22 10.11	− 2 33.2	1.350	2.196	17.7	20.8

158345 2001 XE_{67} 8 30.7 242°.29 3°.0/ 2.2 18 R

7 30	22 59.76	+ 0 45.0	1.795	2.655	14.2	19.4
8 9	22 54.28	+ 0 41.4	1.717	2.648	10.8	19.2
8 19	22 46.86	+ 0 21.5	1.662	2.641	7.0	18.9
8 29	22 38.19	− 0 12.6	1.632	2.634	3.6	18.7
9 8	22 29.23	− 0 56.4	1.629	2.626	4.0	18.7
9 18	22 20.98	− 1 44.3	1.653	2.618	7.7	18.9
9 28	22 14.39	− 2 30.4	1.702	2.610	11.5	19.1
10 8	22 10.08	− 3 9.3	1.773	2.602	14.9	19.4

259886 2004 DX_{32} 8 30.7 229°.60 1°.5/29.4 18

7 30	23 0.58	− 9 46.1	1.762	2.654	12.9	21.0
8 9	22 54.93	−10 38.9	1.689	2.645	9.2	20.8
8 19	22 47.24	−11 41.3	1.639	2.635	5.0	20.5
8 29	22 38.25	−12 47.0	1.616	2.625	1.5	20.2
9 8	22 28.97	−13 48.8	1.620	2.614	4.7	20.4
9 18	22 20.43	−14 40.2	1.652	2.602	9.0	20.7
9 28	22 13.63	−15 16.7	1.708	2.590	12.9	20.9
10 8	22 9.23	−15 36.1	1.784	2.578	16.3	21.1

187300 2005 TX_{156} 8 30.7 242°.21 3°.9/ 4.1 18

7 30	22 55.69	+ 6 1.3	2.292	3.122	12.6	20.5
8 9	22 51.04	+ 5 47.8	2.209	3.116	9.9	20.3
8 19	22 44.93	+ 5 17.3	2.149	3.110	7.0	20.1
8 29	22 37.91	+ 4 31.1	2.115	3.104	4.5	20.0
9 8	22 30.67	+ 3 32.9	2.107	3.098	4.2	19.9
9 18	22 23.96	+ 2 27.6	2.128	3.091	6.4	20.1
9 28	22 18.48	+ 1 20.9	2.176	3.085	9.3	20.3
10 8	22 14.74	+ 0 18.5	2.248	3.078	12.1	20.4

387940 2005 EL_{53} 8 30.7 34°.22 0°.8/30.1 18

7 30	23 1.10	−10 0.5	1.720	2.612	13.1	20.6
8 9	22 55.16	−10 13.8	1.659	2.614	9.3	20.4
8 19	22 47.28	−10 33.9	1.622	2.617	5.1	20.2
8 29	22 38.25	−10 56.3	1.610	2.620	1.0	19.9
9 8	22 29.10	−11 15.9	1.626	2.623	4.1	20.1
9 18	22 20.87	−11 28.7	1.669	2.626	8.4	20.4
9 28	22 14.46	−11 31.6	1.736	2.629	12.2	20.6
10 8	22 10.44	−11 23.1	1.824	2.632	15.4	20.9

523675 2013 PV_{74} 8 30.7 31°.16 0°.1/29.8 17

7 30	22 38.96	−10 55.8	40.476	41.356	0.7	21.8
8 9	22 38.30	−11 0.0	40.410	41.360	0.5	21.8
8 19	22 37.57	−11 4.4	40.370	41.365	0.3	21.8
8 29	22 36.82	−11 8.8	40.360	41.369	0.1	21.7
9 8	22 36.06	−11 13.2	40.379	41.374	0.2	21.8
9 18	22 35.32	−11 17.4	40.428	41.378	0.5	21.8
9 28	22 34.64	−11 21.1	40.504	41.383	0.7	21.8
10 8	22 34.03	−11 24.3	40.606	41.387	0.9	21.9

364474 2007 DN_{23} 8 30.7 209°.07 0°.0/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.52	− 6 30.0	2.510	3.385	10.1	22.6
8 9	22 51.49	− 7 3.3	2.435	3.381	7.3	22.4
8 19	22 45.12	− 7 44.6	2.385	3.377	4.0	22.2
8 29	22 37.93	− 8 30.5	2.363	3.373	0.6	21.9
9 8	22 30.60	− 9 16.7	2.370	3.368	2.9	22.1
9 18	22 23.78	− 9 59.2	2.406	3.363	6.2	22.3
9 28	22 18.12	−10 34.4	2.469	3.358	9.2	22.5
10 8	22 14.08	−10 59.8	2.555	3.352	11.8	22.7

511019 2013 QJ_{6} 8 30.7 344°.21 9°.9/18.2 17

7 30	22 40.45	−15 0.3	0.797	1.753	16.6	18.9
8 9	22 41.77	−20 5.7	0.745	1.731	12.0	18.6
8 19	22 40.48	−25 40.0	0.717	1.710	9.9	18.4
8 29	22 37.29	−31 5.5	0.713	1.692	12.8	18.5
9 8	22 33.60	−35 44.4	0.731	1.677	18.0	18.7
9 18	22 31.03	−39 12.3	0.768	1.665	23.2	18.9
9 28	22 31.18	−41 22.2	0.820	1.655	27.5	19.2
10 8	22 34.95	−42 20.5	0.882	1.648	30.8	19.4

402826 2007 EJ_{186} 8 30.7 125°.78 1°.3/29.2 18

7 30	22 56.17	−10 33.2	2.416	3.304	10.0	21.9
8 9	22 51.23	−11 22.9	2.356	3.311	7.0	21.7
8 19	22 44.95	−12 18.0	2.323	3.318	3.8	21.5
8 29	22 37.90	−13 14.1	2.317	3.325	1.3	21.3
9 8	22 30.78	−14 6.1	2.340	3.332	3.7	21.5
9 18	22 24.25	−14 50.1	2.391	3.338	6.8	21.7
9 28	22 18.95	−15 23.0	2.469	3.344	9.7	21.9
10 8	22 15.32	−15 43.1	2.569	3.350	12.2	22.1

392934 2012 VM_{110} 8 30.7 253°.06 0°.5/30.2 18

7 30	22 57.96	− 7 30.6	1.891	2.778	12.3	21.9
8 9	22 52.91	− 8 14.4	1.817	2.770	8.8	21.7
8 19	22 46.07	− 9 8.7	1.767	2.762	4.9	21.5
8 29	22 38.08	−10 8.4	1.744	2.753	0.7	21.1
9 8	22 29.86	−11 7.2	1.748	2.745	3.9	21.4
9 18	22 22.31	−11 59.3	1.779	2.736	8.0	21.6
9 28	22 16.32	−12 39.7	1.836	2.727	11.8	21.8
10 8	22 12.46	−13 5.8	1.914	2.718	14.9	22.0

368166 1999 UE_{38} 8 30.7 273°.97 2°.0/ 1.2 17

7 30	22 59.39	− 1 37.0	1.502	2.381	15.4	21.4
8 9	22 54.40	− 2 0.0	1.422	2.366	11.6	21.1
8 19	22 47.10	− 2 41.4	1.364	2.351	7.1	20.9
8 29	22 38.26	− 3 37.7	1.329	2.336	2.6	20.5
9 8	22 28.97	− 4 42.3	1.321	2.321	4.1	20.6
9 18	22 20.44	− 5 47.3	1.338	2.305	8.9	20.8
9 28	22 13.83	− 6 45.1	1.380	2.290	13.5	21.1
10 8	22 9.91	− 7 29.8	1.441	2.274	17.5	21.3

220128 2002 TG_{77} 8 30.7 192°.84 1°.6/29.4 18

7 30	23 3.29	−11 33.9	1.862	2.751	12.5	20.4
8 9	22 56.68	−12 5.0	1.795	2.749	8.8	20.2
8 19	22 48.13	−12 41.8	1.752	2.747	4.8	19.9
8 29	22 38.39	−13 19.0	1.737	2.745	1.6	19.7
9 8	22 28.47	−13 51.1	1.749	2.742	4.5	19.9
9 18	22 19.40	−14 13.6	1.789	2.738	8.6	20.1
9 28	22 12.08	−14 23.6	1.854	2.734	12.2	20.4
10 8	22 7.13	−14 20.1	1.940	2.729	15.3	20.6

180199 2003 SK_{217} 8 30.7 270°.52 2°.4/28.8 18

7 30	23 1.60	−11 54.8	1.540	2.440	13.9	20.4
8 9	22 56.03	−12 44.7	1.459	2.419	10.0	20.1
8 19	22 48.04	−13 43.6	1.402	2.399	5.5	19.8
8 29	22 38.41	−14 44.6	1.370	2.377	2.4	19.5
9 8	22 28.28	−15 39.2	1.365	2.356	5.8	19.7
9 18	22 18.92	−16 20.5	1.385	2.334	10.5	19.9
9 28	22 11.55	−16 43.7	1.428	2.311	14.9	20.1
10 8	22 6.97	−16 47.3	1.490	2.289	18.7	20.3

293021 2006 WL_{55} 8 30.7 230°.55 0°.5/31.2 18

7 30	22 57.45	− 5 25.4	2.225	3.101	11.2	21.3
8 9	22 52.30	− 5 51.2	2.150	3.096	8.1	21.1
8 19	22 45.63	− 6 26.7	2.100	3.091	4.6	20.9
8 29	22 38.03	− 7 8.2	2.076	3.085	1.0	20.6
9 8	22 30.24	− 7 51.4	2.081	3.080	3.0	20.7
9 18	22 23.05	− 8 31.8	2.114	3.074	6.7	21.0
9 28	22 17.17	− 9 5.2	2.174	3.068	10.0	21.2
10 8	22 13.12	− 9 28.9	2.256	3.062	12.9	21.4

287512 2003 BV_{69} 8 30.7 85°.37 5°.1/27.1 17

7 30	23 3.96	−16 47.8	1.229	2.142	15.7	19.8
8 9	22 57.62	−18 7.3	1.195	2.160	11.2	19.6
8 19	22 48.73	−19 28.1	1.183	2.177	6.8	19.4
8 29	22 38.47	−20 38.9	1.195	2.194	5.2	19.3
9 8	22 28.32	−21 30.5	1.231	2.211	8.2	19.5
9 18	22 19.66	−21 57.7	1.292	2.227	12.4	19.8
9 28	22 13.58	−21 59.6	1.373	2.243	16.3	20.1
10 8	22 10.58	−21 38.7	1.472	2.259	19.4	20.4

179434 2002 AZ_{79} 8 30.7 209°.53 1°.0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.23	− 9 42.7	2.250	3.137	10.7	21.0
8 9	22 52.12	−10 22.4	2.181	3.134	7.6	20.8
8 19	22 45.52	−11 8.6	2.137	3.132	4.1	20.6
8 29	22 38.03	−11 57.1	2.121	3.129	1.0	20.4
9 8	22 30.38	−12 42.9	2.133	3.127	3.6	20.6
9 18	22 23.35	−13 21.5	2.173	3.124	7.1	20.8
9 28	22 17.63	−13 49.7	2.239	3.121	10.3	21.0
10 8	22 13.73	−14 5.5	2.327	3.118	13.0	21.2

314607 2006 BJ_{201} 8 30.7 92°.36 2°.4/27.7 18

7 30	22 55.38	−13 22.5	2.303	3.199	10.1	20.3
8 9	22 50.74	−14 34.6	2.249	3.208	7.0	20.1
8 19	22 44.72	−15 50.8	2.221	3.216	4.0	19.9
8 29	22 37.91	−17 5.2	2.221	3.225	2.5	19.8
9 8	22 31.00	−18 12.0	2.250	3.233	4.7	20.0
9 18	22 24.72	−19 6.6	2.306	3.241	7.7	20.2
9 28	22 19.72	−19 46.0	2.388	3.250	10.5	20.4
10 8	22 16.45	−20 9.4	2.491	3.258	12.9	20.6

36143 1999 RR_{173} 8 30.7 333°.99 1°.8/28.8 18

7 30	22 53.97	− 9 35.1	1.820	2.721	12.1	17.4
8 9	22 50.13	−10 50.9	1.752	2.713	8.5	17.2
8 19	22 44.56	−12 17.0	1.708	2.705	4.6	16.9
8 29	22 37.90	−13 46.6	1.690	2.698	1.8	16.7
9 8	22 31.01	−15 11.6	1.699	2.691	4.8	16.9
9 18	22 24.79	−16 24.9	1.735	2.685	8.8	17.1
9 28	22 20.08	−17 21.3	1.796	2.679	12.4	17.4
10 8	22 17.46	−17 58.2	1.877	2.673	15.5	17.6

418939 2009 DH_{78} 8 30.7 205°.70 2°.7/28.7 17

7 30	23 3.73	−12 53.8	1.501	2.401	14.2	22.0
8 9	22 57.40	−13 40.3	1.438	2.398	10.1	21.7
8 19	22 48.69	−14 33.2	1.399	2.395	5.6	21.5
8 29	22 38.51	−15 25.2	1.384	2.391	2.7	21.3
9 8	22 28.10	−16 8.5	1.397	2.386	5.9	21.5
9 18	22 18.72	−16 37.2	1.434	2.382	10.4	21.7
9 28	22 11.49	−16 48.2	1.495	2.377	14.5	22.0
10 8	22 7.08	−16 40.9	1.576	2.371	18.0	22.2

267291 2001 SC_{132} 8 30.7 20°.69 0°.9/30.2 18

7 30	23 0.56	− 9 33.0	1.208	2.117	16.3	19.4
8 9	22 55.31	− 9 46.8	1.159	2.122	11.6	19.2
8 19	22 47.56	−10 10.6	1.131	2.128	6.3	18.9
8 29	22 38.33	−10 38.2	1.125	2.135	1.1	18.6
9 8	22 29.03	−11 2.7	1.144	2.142	5.0	18.9
9 18	22 21.02	−11 18.3	1.187	2.151	10.2	19.2
9 28	22 15.40	−11 21.0	1.252	2.160	14.8	19.5
10 8	22 12.78	−11 9.3	1.335	2.169	18.6	19.8

12560 1998 RC_{58} 8 30.7 70°.42 0°.3/30.4 18

7 30	22 56.71	− 7 17.8	2.132	3.016	11.3	17.8
8 9	22 51.72	− 7 54.8	2.077	3.028	8.0	17.7
8 19	22 45.27	− 8 39.9	2.047	3.041	4.4	17.5
8 29	22 38.01	− 9 28.9	2.044	3.054	0.6	17.2
9 8	22 30.70	−10 16.6	2.069	3.067	3.3	17.4
9 18	22 24.09	−10 58.6	2.122	3.079	6.9	17.7
9 28	22 18.87	−11 31.2	2.201	3.092	10.1	17.9
10 8	22 15.48	−11 52.1	2.302	3.105	12.8	18.1

514570 1995 VK_{11} 8 30.7 269°.31 8°.7/22.2 18

7 30	23 3.35	−30 56.5	1.855	2.748	12.3	21.4
8 9	22 57.06	−32 15.4	1.796	2.732	10.1	21.2
8 19	22 48.50	−33 24.6	1.760	2.716	8.8	21.1
8 29	22 38.51	−34 14.8	1.750	2.699	9.1	21.1
9 8	22 28.26	−34 39.3	1.764	2.682	10.9	21.2
9 18	22 18.95	−34 35.2	1.801	2.666	13.4	21.3
9 28	22 11.66	−34 3.5	1.860	2.648	16.0	21.4
10 8	22 7.06	−33 7.9	1.935	2.631	18.3	21.6

456933 2007 YJ_{42} 8 30.7 143°.25 14°.3/15.9 16

7 30	23 3.32	−33 27.0	1.125	2.037	16.9	20.7
8 9	22 58.15	−37 8.2	1.104	2.041	14.8	20.6
8 19	22 49.53	−40 27.7	1.107	2.045	14.4	20.6
8 29	22 38.68	−43 5.0	1.131	2.049	15.9	20.7
9 8	22 27.51	−44 47.8	1.176	2.052	18.4	20.9
9 18	22 17.99	−45 34.3	1.238	2.055	21.1	21.1
9 28	22 11.70	−45 30.3	1.314	2.058	23.6	21.3
10 8	22 9.37	−44 46.0	1.401	2.060	25.5	21.5

355557 2008 CH_{16} 8 30.7 31°.22 6°.8/24.1 18

7 30	23 0.41	−26 53.0	1.968	2.868	11.4	19.7
8 9	22 54.62	−27 57.1	1.922	2.869	8.8	19.5
8 19	22 46.97	−28 54.0	1.900	2.871	7.0	19.4
8 29	22 38.27	−29 36.3	1.904	2.873	7.0	19.4
9 8	22 29.52	−29 58.7	1.934	2.874	8.8	19.5
9 18	22 21.69	−29 58.9	1.988	2.876	11.3	19.7
9 28	22 15.62	−29 37.2	2.065	2.878	13.8	19.9
10 8	22 11.84	−28 56.1	2.160	2.880	16.0	20.0

508067 2015 CK_{31} 8 30.7 139°.54 4°.2/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.74	−16 2.2	1.575	2.481	13.3	21.3
8 9	22 55.12	−17 20.2	1.524	2.486	9.4	21.1
8 19	22 47.36	−18 41.5	1.497	2.490	5.7	20.9
8 29	22 38.34	−19 57.1	1.495	2.494	4.3	20.8
9 8	22 29.20	−20 58.6	1.520	2.498	7.1	21.0
9 18	22 21.07	−21 40.3	1.570	2.502	10.9	21.3
9 28	22 14.94	−21 59.6	1.643	2.505	14.4	21.5
10 8	22 11.39	−21 57.2	1.735	2.509	17.4	21.7

282069 1999 XN_{24} 8 30.7 344°.48 9°.7/ 7.8 18

7 30	22 53.32	+13 42.6	1.321	2.151	20.0	19.1
8 9	22 50.28	+14 21.5	1.247	2.139	17.0	18.8
8 19	22 44.93	+14 28.7	1.190	2.128	13.8	18.6
8 29	22 38.01	+14 1.0	1.153	2.118	10.9	18.4
9 8	22 30.66	+13 0.4	1.137	2.110	9.7	18.3
9 18	22 24.12	+11 33.7	1.143	2.102	11.1	18.4
9 28	22 19.58	+ 9 52.2	1.171	2.097	14.1	18.6
10 8	22 17.85	+ 8 8.6	1.219	2.092	17.5	18.8

81291 2000 FA_{70} 8 30.7 312°.31 3°.7/ 3.3 18

7 30	22 56.09	+ 3 50.5	1.837	2.689	14.3	19.5
8 9	22 51.64	+ 3 35.0	1.760	2.683	11.1	19.3
8 19	22 45.42	+ 3 0.3	1.705	2.677	7.6	19.0
8 29	22 38.07	+ 2 8.3	1.674	2.671	4.4	18.8
9 8	22 30.47	+ 1 4.1	1.671	2.666	4.2	18.8
9 18	22 23.53	− 0 6.2	1.693	2.660	7.4	19.0
9 28	22 18.11	− 1 15.3	1.741	2.655	11.0	19.2
10 8	22 14.81	− 2 16.9	1.812	2.650	14.3	19.4

478653 2012 TX_{239} 8 30.7 293°.32 0°.3/30.5 18

7 30	22 58.06	− 7 0.1	1.645	2.537	13.6	21.7
8 9	22 53.32	− 7 37.7	1.564	2.519	9.8	21.4
8 19	22 46.48	− 8 28.0	1.506	2.501	5.5	21.1
8 29	22 38.24	− 9 25.8	1.473	2.483	0.8	20.7
9 8	22 29.60	−10 24.3	1.467	2.465	4.2	21.0
9 18	22 21.66	−11 16.5	1.487	2.447	8.9	21.2
9 28	22 15.45	−11 56.7	1.530	2.429	13.2	21.4
10 8	22 11.70	−12 21.3	1.594	2.411	16.9	21.6

364094 2005 YL_{150} 8 30.7 324°.58 0°.6/30.4 18

7 30	23 0.32	− 8 46.0	1.033	1.949	17.8	19.8
8 9	22 55.78	− 8 58.9	0.969	1.935	12.9	19.5
8 19	22 48.18	− 9 25.2	0.924	1.922	7.2	19.2
8 29	22 38.52	− 9 58.7	0.901	1.910	1.1	18.7
9 8	22 28.35	−10 30.9	0.899	1.899	5.6	19.0
9 18	22 19.39	−10 53.9	0.920	1.888	11.8	19.3
9 28	22 13.14	−11 1.8	0.961	1.879	17.3	19.6
10 8	22 10.48	−10 52.1	1.019	1.870	21.9	19.9

310111 2010 VL_{72} 8 30.7 150°.41 4°.3/ 4.4 18

7 30	22 57.55	+ 6 27.6	2.370	3.192	12.4	20.5
8 9	22 52.30	+ 6 36.2	2.294	3.195	9.9	20.4
8 19	22 45.64	+ 6 29.1	2.242	3.197	7.2	20.2
8 29	22 38.10	+ 6 7.1	2.216	3.200	4.9	20.1
9 8	22 30.40	+ 5 33.0	2.217	3.202	4.5	20.0
9 18	22 23.27	+ 4 50.5	2.246	3.204	6.4	20.2
9 28	22 17.38	+ 4 4.7	2.301	3.206	9.1	20.3
10 8	22 13.23	+ 3 20.3	2.381	3.208	11.6	20.5

325355 2008 LX_{6} 8 30.7 349°.87 5°.8/ 6.2 18

7 30	22 52.00	+10 38.1	1.770	2.597	15.8	19.8
8 9	22 48.79	+10 14.3	1.692	2.590	12.9	19.6
8 19	22 43.86	+ 9 24.0	1.634	2.585	9.7	19.4
8 29	22 37.85	+ 8 8.6	1.599	2.580	6.8	19.2
9 8	22 31.60	+ 6 33.2	1.589	2.575	5.8	19.1
9 18	22 26.00	+ 4 45.5	1.606	2.572	7.8	19.2
9 28	22 21.89	+ 2 55.0	1.647	2.569	10.9	19.4
10 8	22 19.85	+ 1 11.0	1.712	2.567	14.2	19.6

50030 2000 AG_{47} 8 30.7 24°.19 4°.1/26.6 18

7 30	22 57.51	−16 24.4	1.783	2.690	12.0	18.6
8 9	22 52.68	−17 45.5	1.728	2.690	8.5	18.4
8 19	22 45.99	−19 9.6	1.698	2.691	5.2	18.2
8 29	22 38.17	−20 28.7	1.694	2.691	4.2	18.2
9 8	22 30.20	−21 35.0	1.716	2.692	6.7	18.3
9 18	22 23.05	−22 23.0	1.765	2.693	10.1	18.5
9 28	22 17.60	−22 49.9	1.837	2.694	13.4	18.7
10 8	22 14.39	−22 55.8	1.928	2.695	16.2	19.0

371524 2006 UX_{196} 8 30.7 80°.77 2°.4/ 1.7 17

7 30	23 0.99	− 0 15.3	1.440	2.314	16.2	21.0
8 9	22 55.24	− 0 43.7	1.393	2.333	12.1	20.8
8 19	22 47.39	− 1 30.8	1.367	2.352	7.4	20.6
8 29	22 38.37	− 2 31.9	1.366	2.371	3.0	20.4
9 8	22 29.35	− 3 39.6	1.391	2.390	4.0	20.5
9 18	22 21.47	− 4 45.8	1.441	2.409	8.4	20.8
9 28	22 15.65	− 5 43.4	1.516	2.427	12.5	21.1
10 8	22 12.43	− 6 27.8	1.612	2.445	16.0	21.3

126566 2002 CY_{106} 8 30.7 13°.65 0°.5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.89	− 6 38.1	2.078	2.964	11.5	19.6
8 9	22 50.57	− 7 39.4	2.012	2.964	8.2	19.3
8 19	22 44.74	− 8 51.3	1.970	2.965	4.4	19.1
8 29	22 37.99	−10 8.2	1.956	2.966	0.7	18.8
9 8	22 31.09	−11 24.0	1.970	2.967	3.5	19.1
9 18	22 24.81	−12 32.5	2.012	2.968	7.3	19.3
9 28	22 19.89	−13 29.0	2.079	2.969	10.7	19.5
10 8	22 16.81	−14 10.5	2.169	2.970	13.5	19.7

483645 2004 XJ_{37} 8 30.7 283°.90 4°.3/ 4.4 17

7 30	22 55.57	+ 6 47.9	2.336	3.161	12.5	22.0
8 9	22 51.06	+ 6 44.0	2.240	3.142	10.0	21.8
8 19	22 45.05	+ 6 23.1	2.167	3.123	7.3	21.6
8 29	22 38.05	+ 5 45.9	2.119	3.104	4.9	21.4
9 8	22 30.74	+ 4 55.2	2.098	3.086	4.5	21.3
9 18	22 23.88	+ 3 55.5	2.105	3.067	6.6	21.4
9 28	22 18.19	+ 2 52.3	2.139	3.047	9.5	21.6
10 8	22 14.23	+ 1 51.4	2.196	3.028	12.3	21.8

111736 2002 CH_{76} 8 30.7 268°.90 0°.8/29.3 17

7 30	22 50.31	−11 6.5	4.278	5.160	6.1	20.1
8 9	22 46.71	−11 39.6	4.203	5.155	4.3	20.0
8 19	22 42.38	−12 15.7	4.155	5.150	2.3	19.8
8 29	22 37.63	−12 52.3	4.137	5.145	0.8	19.7
9 8	22 32.81	−13 27.2	4.148	5.140	2.2	19.8
9 18	22 28.26	−13 58.3	4.189	5.134	4.2	19.9
9 28	22 24.32	−14 23.6	4.257	5.129	6.1	20.1
10 8	22 21.28	−14 42.0	4.350	5.124	7.7	20.2

348470 2005 SJ_{83} 8 30.7 189°.79 1°.6/29.0 18

7 30	22 58.97	−12 42.0	2.396	3.284	10.1	21.2
8 9	22 53.29	−13 12.3	2.329	3.283	7.1	21.0
8 19	22 46.17	−13 46.3	2.288	3.283	3.9	20.8
8 29	22 38.21	−14 19.8	2.274	3.281	1.6	20.7
9 8	22 30.12	−14 48.5	2.290	3.280	3.9	20.8
9 18	22 22.65	−15 9.2	2.333	3.278	7.1	21.0
9 28	22 16.48	−15 19.4	2.403	3.276	10.1	21.2
10 8	22 12.09	−15 18.2	2.495	3.274	12.6	21.4

101605 1999 CZ_{5} 8 30.7 288°.77 2°.8/ 1.1 18

7 30	23 7.96	− 4 7.9	1.545	2.417	15.5	17.8
8 9	23 0.58	− 3 18.0	1.463	2.403	11.6	17.5
8 19	22 50.61	− 2 37.4	1.404	2.389	7.3	17.3
8 29	22 38.91	− 2 5.6	1.370	2.375	3.2	17.0
9 8	22 26.72	− 1 40.9	1.364	2.361	4.6	17.0
9 18	22 15.41	− 1 21.0	1.384	2.347	9.1	17.3
9 28	22 6.23	− 1 2.5	1.429	2.333	13.6	17.5
10 8	22 0.01	− 0 42.2	1.495	2.319	17.5	17.7

423324 2005 FC_{5} 8 30.7 118°.02 0°.9/29.9 17

7 30	23 0.51	− 6 53.9	1.622	2.511	14.0	21.4
8 9	22 54.81	− 8 4.8	1.571	2.525	9.9	21.2
8 19	22 47.15	− 9 27.7	1.544	2.540	5.3	21.0
8 29	22 38.37	−10 55.1	1.544	2.553	1.0	20.7
9 8	22 29.52	−12 18.4	1.571	2.566	4.4	21.0
9 18	22 21.66	−13 30.2	1.625	2.579	8.8	21.3
9 28	22 15.68	−14 25.4	1.703	2.591	12.7	21.6
10 8	22 12.11	−15 1.6	1.802	2.603	15.9	21.8

167532 2003 YX_{155} 8 30.7 346°.97 4°.4/28.5 18

7 30	23 4.78	−19 21.0	1.308	2.219	15.1	18.6
8 9	22 58.44	−19 15.7	1.246	2.209	11.0	18.3
8 19	22 49.41	−19 6.7	1.206	2.200	6.7	18.0
8 29	22 38.72	−18 47.7	1.190	2.192	4.4	17.9
9 8	22 27.85	−18 14.0	1.198	2.185	7.2	18.0
9 18	22 18.28	−17 23.8	1.231	2.180	11.6	18.3
9 28	22 11.22	−16 18.4	1.286	2.176	15.9	18.5
10 8	22 7.35	−15 0.3	1.360	2.173	19.5	18.7

444661 2007 CY_{39} 8 30.7 231°.63 1°.5/ 1.2 18

7 30	22 58.86	− 3 5.0	2.310	3.174	11.3	21.5
8 9	22 53.29	− 3 7.3	2.233	3.169	8.4	21.3
8 19	22 46.23	− 3 19.5	2.180	3.165	5.1	21.1
8 29	22 38.24	− 3 39.4	2.154	3.160	1.9	20.9
9 8	22 30.07	− 4 3.5	2.157	3.155	2.9	21.0
9 18	22 22.48	− 4 28.4	2.188	3.150	6.3	21.2
9 28	22 16.17	− 4 50.3	2.245	3.145	9.5	21.4
10 8	22 11.68	− 5 6.1	2.327	3.140	12.3	21.6

102421 1999 TZ_{190} 8 30.7 224°.84 2°.9/27.8 18

7 30	23 2.97	−17 14.0	2.435	3.322	10.0	20.7
8 9	22 56.23	−17 47.0	2.357	3.309	7.2	20.5
8 19	22 47.86	−18 20.5	2.306	3.296	4.3	20.3
8 29	22 38.49	−18 49.8	2.282	3.282	3.0	20.2
9 8	22 28.91	−19 10.6	2.289	3.268	5.0	20.3
9 18	22 19.95	−19 19.8	2.324	3.253	8.0	20.5
9 28	22 12.36	−19 15.8	2.385	3.237	10.9	20.6
10 8	22 6.71	−18 58.6	2.468	3.220	13.4	20.8

454338 2014 KW_{98} 8 30.7 49°.88 18°.2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.23	+31 0.8	1.206	1.925	27.2	20.9
8 9	22 55.02	+32 24.4	1.145	1.926	25.1	20.8
8 19	22 47.81	+33 1.8	1.095	1.928	22.8	20.6
8 29	22 38.52	+32 43.6	1.058	1.929	20.6	20.5
9 8	22 28.69	+31 26.7	1.036	1.931	18.8	20.4
9 18	22 19.99	+29 15.7	1.033	1.933	18.2	20.3
9 28	22 13.97	+26 24.4	1.048	1.935	18.8	20.4
10 8	22 11.55	+23 12.5	1.082	1.937	20.6	20.5

152510 2005 XA_{64} 8 30.7 339°.29 1°.9/29.2 18 R

7 30	22 55.34	−11 25.7	1.493	2.403	13.6	18.9
8 9	22 51.50	−11 59.9	1.421	2.386	9.7	18.6
8 19	22 45.52	−12 42.5	1.372	2.370	5.4	18.3
8 29	22 38.16	−13 27.3	1.347	2.355	1.9	18.0
9 8	22 30.47	−14 7.2	1.347	2.341	5.2	18.2
9 18	22 23.60	−14 36.0	1.371	2.328	9.8	18.5
9 28	22 18.57	−14 49.4	1.418	2.317	14.0	18.7
10 8	22 16.09	−14 45.5	1.484	2.306	17.6	18.9

153221 2000 YU_{37} 8 30.7 256°.56 3°.9/ 3.8 18

7 30	22 57.03	+ 4 47.1	2.287	3.121	12.4	20.0
8 9	22 52.04	+ 4 50.4	2.205	3.115	9.8	19.8
8 19	22 45.57	+ 4 38.4	2.147	3.110	6.9	19.6
8 29	22 38.15	+ 4 12.0	2.114	3.104	4.4	19.5
9 8	22 30.52	+ 3 34.3	2.108	3.098	4.2	19.5
9 18	22 23.43	+ 2 49.4	2.131	3.093	6.5	19.6
9 28	22 17.59	+ 2 2.2	2.179	3.087	9.4	19.8
10 8	22 13.53	+ 1 17.8	2.252	3.081	12.2	19.9

24723 1991 TW_{8} 8 30.7 79°.25 2°.8/28.8 18

7 30	23 4.71	−13 27.9	1.419	2.321	14.8	18.7
8 9	22 57.85	−14 9.1	1.383	2.343	10.4	18.5
8 19	22 48.80	−14 54.2	1.369	2.365	5.7	18.3
8 29	22 38.61	−15 36.0	1.381	2.387	2.8	18.2
9 8	22 28.57	−16 7.6	1.418	2.408	5.8	18.4
9 18	22 19.88	−16 24.5	1.481	2.429	10.1	18.7
9 28	22 13.47	−16 24.9	1.567	2.450	13.9	19.0
10 8	22 9.84	−16 9.4	1.673	2.471	17.0	19.3

91471 1999 RJ_{89} 8 30.7 241°.97 1°.9/28.9 18

7 30	22 59.53	−13 42.4	2.279	3.169	10.4	19.2
8 9	22 53.79	−14 7.1	2.209	3.164	7.4	19.0
8 19	22 46.51	−14 34.7	2.165	3.159	4.1	18.7
8 29	22 38.30	−15 1.1	2.148	3.154	1.9	18.6
9 8	22 29.95	−15 21.9	2.159	3.149	4.2	18.7
9 18	22 22.25	−15 34.1	2.199	3.143	7.5	18.9
9 28	22 15.92	−15 35.3	2.264	3.138	10.6	19.1
10 8	22 11.48	−15 25.0	2.352	3.132	13.2	19.3

165033 2000 DL_{58} 8 30.7 326°.03 1°.1/31.6 18

7 30	22 59.22	− 4 45.5	1.712	2.594	13.7	19.7
8 9	22 53.98	− 4 52.8	1.641	2.589	10.0	19.5
8 19	22 46.79	− 5 11.9	1.593	2.584	5.9	19.2
8 29	22 38.37	− 5 39.6	1.570	2.579	1.6	18.9
9 8	22 29.72	− 6 10.8	1.574	2.574	3.6	19.1
9 18	22 21.84	− 6 40.6	1.605	2.569	7.9	19.3
9 28	22 15.69	− 7 4.1	1.660	2.565	11.9	19.6
10 8	22 11.88	− 7 17.9	1.736	2.561	15.3	19.8

387277 2012 UN_{123} 8 30.7 26°.49 9°.2/23.8 18

7 30	23 4.45	−30 37.4	1.526	2.427	14.0	19.7
8 9	22 57.90	−31 39.1	1.489	2.431	11.3	19.6
8 19	22 48.94	−32 27.4	1.474	2.436	9.5	19.5
8 29	22 38.67	−32 53.1	1.483	2.442	9.5	19.5
9 8	22 28.49	−32 50.7	1.515	2.448	11.3	19.6
9 18	22 19.68	−32 19.4	1.570	2.454	14.0	19.8
9 28	22 13.29	−31 21.9	1.645	2.461	16.6	20.0
10 8	22 9.82	−30 3.5	1.738	2.468	19.0	20.2

434073 2001 XB_{202} 8 30.7 102°.79 5°.2/25.3 17

7 30	23 2.21	−21 19.1	2.020	2.918	11.2	21.6
8 9	22 55.69	−22 49.0	1.992	2.945	8.2	21.5
8 19	22 47.51	−24 14.9	1.989	2.971	5.8	21.4
8 29	22 38.46	−25 29.2	2.014	2.997	5.4	21.4
9 8	22 29.48	−26 25.8	2.067	3.023	7.3	21.6
9 18	22 21.47	−27 1.5	2.146	3.047	10.0	21.8
9 28	22 15.19	−27 15.8	2.249	3.071	12.5	22.0
10 8	22 11.07	−27 10.7	2.372	3.094	14.7	22.2

322703 2000 CX_{41} 8 30.7 220°.43 1°.4/28.8 18

7 30	22 55.10	−10 42.3	2.817	3.701	8.8	21.1
8 9	22 50.47	−11 45.9	2.740	3.694	6.2	20.9
8 19	22 44.64	−12 55.3	2.690	3.685	3.4	20.7
8 29	22 38.05	−14 6.0	2.669	3.676	1.4	20.5
9 8	22 31.29	−15 13.4	2.678	3.667	3.5	20.7
9 18	22 24.96	−16 13.1	2.717	3.658	6.4	20.9
9 28	22 19.63	−17 1.7	2.782	3.648	9.1	21.0
10 8	22 15.74	−17 37.5	2.870	3.638	11.3	21.2

284890 2009 QL_{60} 8 30.7 285°.22 5°.3/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.95	−25 35.0	2.353	3.237	10.4	21.0
8 9	22 58.51	−25 57.3	2.270	3.213	7.9	20.8
8 19	22 49.21	−26 13.5	2.212	3.187	5.8	20.6
8 29	22 38.75	−26 18.0	2.183	3.162	5.4	20.5
9 8	22 28.04	−26 6.8	2.181	3.136	7.0	20.6
9 18	22 18.04	−25 38.1	2.208	3.111	9.7	20.7
9 28	22 9.63	−24 52.0	2.259	3.085	12.4	20.9
10 8	22 3.42	−23 51.0	2.333	3.059	14.8	21.0

72247 2001 AH_{27} 8 30.7 210°.16 3°.6/27.8 17

7 30	23 4.57	−16 28.5	1.767	2.663	12.6	20.4
8 9	22 57.82	−17 15.4	1.701	2.657	9.1	20.2
8 19	22 48.92	−18 4.4	1.659	2.651	5.4	20.0
8 29	22 38.70	−18 48.6	1.643	2.645	3.7	19.8
9 8	22 28.26	−19 21.3	1.656	2.637	6.2	20.0
9 18	22 18.71	−19 38.3	1.694	2.629	10.0	20.2
9 28	22 11.09	−19 37.4	1.757	2.620	13.6	20.4
10 8	22 6.01	−19 19.4	1.840	2.611	16.7	20.6

92973 2000 RN_{60} 8 30.7 73°.43 1°.5/31.8 18

7 30	23 2.98	− 4 39.9	1.651	2.529	14.3	18.2
8 9	22 56.65	− 4 30.8	1.587	2.532	10.5	18.0
8 19	22 48.25	− 4 32.9	1.546	2.535	6.2	17.7
8 29	22 38.60	− 4 43.6	1.530	2.538	2.0	17.5
9 8	22 28.79	− 4 58.6	1.542	2.541	3.7	17.6
9 18	22 19.92	− 5 13.6	1.580	2.544	8.1	17.9
9 28	22 12.95	− 5 24.2	1.643	2.547	12.1	18.1
10 8	22 8.50	− 5 27.4	1.727	2.550	15.5	18.4

448729 2011 BU_{117} 8 30.7 292°.68 5°.2/24.7 17

7 30	22 57.17	−22 20.0	2.173	3.076	10.3	21.1
8 9	22 52.37	−23 34.1	2.101	3.056	7.7	20.9
8 19	22 45.87	−24 47.1	2.055	3.037	5.7	20.7
8 29	22 38.26	−25 51.9	2.035	3.017	5.5	20.7
9 8	22 30.37	−26 42.2	2.042	2.997	7.5	20.8
9 18	22 23.08	−27 13.8	2.075	2.978	10.2	20.9
9 28	22 17.21	−27 24.6	2.131	2.958	13.0	21.1
10 8	22 13.37	−27 15.4	2.207	2.938	15.4	21.2

375722 2009 QK_{32} 8 30.7 303°.82 0°.6/30.3 18

7 30	22 57.80	− 6 56.7	1.358	2.259	15.3	21.0
8 9	22 53.54	− 7 42.6	1.280	2.239	11.1	20.7
8 19	22 46.83	− 8 44.4	1.223	2.220	6.2	20.3
8 29	22 38.43	− 9 56.0	1.191	2.200	0.9	19.9
9 8	22 29.52	−11 8.3	1.183	2.181	4.9	20.2
9 18	22 21.42	−12 12.3	1.200	2.163	10.3	20.4
9 28	22 15.37	−13 0.6	1.239	2.144	15.2	20.7
10 8	22 12.20	−13 29.0	1.297	2.126	19.3	20.9

437599 2014 BG_{4} 8 30.8 300°.21 0°.9/29.9 18

7 30	22 57.28	− 7 26.4	1.537	2.435	14.1	20.6
8 9	22 52.85	− 8 24.0	1.466	2.424	10.1	20.3
8 19	22 46.29	− 9 35.3	1.418	2.414	5.5	20.0
8 29	22 38.35	−10 53.6	1.394	2.404	1.0	19.7
9 8	22 30.08	−12 10.5	1.397	2.394	4.7	19.9
9 18	22 22.60	−13 17.9	1.425	2.384	9.4	20.2
9 28	22 16.97	−14 9.3	1.477	2.374	13.7	20.4
10 8	22 13.86	−14 41.5	1.549	2.364	17.3	20.6

105873 2000 SB_{176} 8 30.8 251°.14 0°.4/30.4 18

7 30	22 59.73	− 9 11.6	2.200	3.082	11.1	19.2
8 9	22 54.00	− 9 25.0	2.126	3.076	7.9	19.0
8 19	22 46.68	− 9 44.5	2.077	3.070	4.4	18.8
8 29	22 38.39	−10 6.8	2.055	3.064	0.7	18.5
9 8	22 29.92	−10 27.7	2.062	3.058	3.4	18.7
9 18	22 22.09	−10 43.8	2.096	3.052	7.0	19.0
9 28	22 15.65	−10 52.1	2.157	3.046	10.4	19.1
10 8	22 11.14	−10 51.0	2.241	3.040	13.2	19.3

141933 2002 PF_{94} 8 30.8 277°.34 5°.2/26.7 18

7 30	23 2.45	−18 44.3	1.518	2.425	13.6	19.4
8 9	22 56.76	−19 47.4	1.446	2.407	10.0	19.2
8 19	22 48.56	−20 52.6	1.397	2.388	6.5	18.9
8 29	22 38.70	−21 50.6	1.373	2.368	5.3	18.8
9 8	22 28.41	−22 32.9	1.374	2.349	8.1	18.9
9 18	22 19.02	−22 53.4	1.400	2.330	12.1	19.1
9 28	22 11.74	−22 50.0	1.448	2.310	16.1	19.3
10 8	22 7.36	−22 23.8	1.514	2.290	19.5	19.5

295563 2008 SJ_{68} 8 30.8 338°.59 6°.7/ 4.5 18

7 30	23 0.42	+ 6 56.2	1.548	2.389	17.0	19.6
8 9	22 55.10	+ 7 40.6	1.476	2.385	13.7	19.4
8 19	22 47.55	+ 8 3.6	1.423	2.380	10.3	19.2
8 29	22 38.55	+ 8 4.1	1.394	2.376	7.4	19.0
9 8	22 29.19	+ 7 44.2	1.389	2.373	6.9	19.0
9 18	22 20.66	+ 7 8.6	1.409	2.369	9.3	19.1
9 28	22 14.03	+ 6 24.5	1.453	2.367	12.7	19.3
10 8	22 10.03	+ 5 39.8	1.517	2.364	16.1	19.5

374905 2006 WD_{204} 8 30.8 162°.94 1°.6/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.49	−10 39.5	1.810	2.701	12.6	21.4
8 9	22 55.47	−11 25.1	1.750	2.705	8.9	21.2
8 19	22 47.57	−12 17.9	1.713	2.709	4.9	20.9
8 29	22 38.53	−13 12.0	1.704	2.712	1.6	20.7
9 8	22 29.37	−14 0.8	1.722	2.715	4.6	20.9
9 18	22 21.06	−14 39.2	1.767	2.717	8.6	21.2
9 28	22 14.49	−15 3.6	1.838	2.719	12.2	21.4
10 8	22 10.23	−15 12.8	1.929	2.720	15.3	21.6

342199 2008 SY_{216} 8 30.8 59°.95 2°.3/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.06	− 2 22.1	1.496	2.373	15.6	20.3
8 9	22 56.03	− 2 17.7	1.445	2.388	11.5	20.1
8 19	22 47.90	− 2 28.3	1.416	2.402	7.0	19.9
8 29	22 38.58	− 2 50.6	1.411	2.417	2.8	19.7
9 8	22 29.23	− 3 19.6	1.433	2.432	4.0	19.8
9 18	22 20.97	− 3 49.8	1.480	2.447	8.3	20.1
9 28	22 14.75	− 4 15.5	1.552	2.462	12.3	20.3
10 8	22 11.12	− 4 32.9	1.644	2.477	15.7	20.6

385809 2006 DV_{91} 8 30.8 238°.59 0°.4/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.88	− 4 55.0	1.913	2.792	12.7	22.2
8 9	22 53.65	− 5 33.1	1.835	2.782	9.2	22.0
8 19	22 46.61	− 6 23.7	1.781	2.772	5.2	21.7
8 29	22 38.41	− 7 22.4	1.753	2.762	1.0	21.4
9 8	22 29.93	− 8 23.2	1.753	2.752	3.5	21.6
9 18	22 22.09	− 9 20.2	1.780	2.741	7.7	21.8
9 28	22 15.79	−10 7.9	1.833	2.730	11.5	22.0
10 8	22 11.62	−10 42.7	1.908	2.718	14.8	22.2

112222 2002 KS_4 8 30.8 58°.21 2°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.70	−10 51.4	1.312	2.219	15.4	19.3
8 9	22 55.39	−11 46.4	1.262	2.225	10.9	19.0
8 19	22 47.68	−12 50.9	1.234	2.231	5.9	18.8
8 29	22 38.56	−13 56.5	1.229	2.237	2.2	18.6
9 8	22 29.33	−14 54.0	1.250	2.243	5.8	18.8
9 18	22 21.26	−15 36.6	1.296	2.250	10.6	19.1
9 28	22 15.46	−16 0.0	1.363	2.256	14.9	19.4
10 8	22 12.52	−16 3.3	1.449	2.263	18.4	19.6

271102 2003 QD_{96} 8 30.8 30°.28 9°.1/26.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.39	−27 33.7	1.064	1.982	17.2	18.7
8 9	22 59.46	−28 7.6	1.047	2.005	13.2	18.6
8 19	22 49.76	−28 26.6	1.049	2.029	10.0	18.5
8 29	22 38.82	−28 21.4	1.074	2.055	9.2	18.5
9 8	22 28.45	−27 48.0	1.120	2.081	11.3	18.7
9 18	22 20.11	−26 48.1	1.188	2.109	14.5	19.0
9 28	22 14.77	−25 26.6	1.276	2.138	17.8	19.3
10 8	22 12.76	−23 49.9	1.381	2.168	20.5	19.6

271590 2004 NS_{14} 8 30.8 352°.74 3°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.36	+ 2 6.8	1.763	2.623	14.4	19.6
8 9	22 52.63	+ 2 20.4	1.691	2.619	11.2	19.4
8 19	22 46.07	+ 2 17.4	1.641	2.616	7.6	19.2
8 29	22 38.34	+ 1 59.1	1.616	2.613	4.4	19.0
9 8	22 30.38	+ 1 29.1	1.617	2.611	4.4	19.0
9 18	22 23.15	+ 0 52.2	1.643	2.610	7.6	19.2
9 28	22 17.52	+ 0 14.4	1.695	2.609	11.2	19.4
10 8	22 14.11	− 0 19.0	1.768	2.609	14.4	19.6

322092 2010 VO_{132} 8 30.8 195°.70 3°.7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.98	+ 6 15.6	2.576	3.397	11.6	21.2
8 9	22 51.19	+ 6 4.8	2.494	3.396	9.1	21.1
8 19	22 45.10	+ 5 38.8	2.436	3.394	6.5	20.9
8 29	22 38.21	+ 4 58.9	2.405	3.392	4.3	20.7
9 8	22 31.15	+ 4 8.2	2.401	3.390	3.9	20.7
9 18	22 24.57	+ 3 10.9	2.426	3.387	5.9	20.8
9 28	22 19.09	+ 2 11.9	2.478	3.384	8.5	21.0
10 8	22 15.18	+ 1 15.9	2.555	3.381	11.0	21.2

302823 2003 DQ_8 8 30.8 226°.26 1°.8/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.51	− 9 27.2	1.332	2.235	15.5	20.5
8 9	22 56.10	−10 23.7	1.271	2.232	11.0	20.3
8 19	22 48.19	−11 32.4	1.232	2.229	6.0	20.0
8 29	22 38.70	−12 45.1	1.217	2.226	1.8	19.7
9 8	22 28.92	−13 52.4	1.227	2.222	5.6	19.9
9 18	22 20.21	−14 46.1	1.263	2.218	10.6	20.2
9 28	22 13.74	−15 20.8	1.320	2.215	15.2	20.5
10 8	22 10.23	−15 34.6	1.397	2.211	19.0	20.7

403704 2010 VL_{159} 8 30.8 278°.75 5°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.85	−23 17.1	2.218	3.119	10.2	20.8
8 9	22 52.80	−24 26.7	2.155	3.108	7.7	20.6
8 19	22 46.09	−25 33.7	2.118	3.097	5.7	20.4
8 29	22 38.37	−26 31.2	2.108	3.087	5.6	20.4
9 8	22 30.44	−27 13.7	2.124	3.076	7.4	20.5
9 18	22 23.18	−27 37.4	2.166	3.065	10.0	20.7
9 28	22 17.35	−27 41.2	2.232	3.054	12.6	20.8
10 8	22 13.50	−27 25.9	2.317	3.043	14.8	21.0

443468 2014 JO_1 8 30.8 140°.88 0°.8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.60	− 8 22.0	1.969	2.857	11.9	21.8
8 9	22 52.62	− 9 5.7	1.904	2.858	8.4	21.6
8 19	22 45.99	− 9 58.1	1.864	2.859	4.6	21.3
8 29	22 38.35	−10 54.3	1.850	2.859	0.9	21.1
9 8	22 30.56	−11 48.3	1.864	2.860	3.8	21.3
9 18	22 23.47	−12 34.9	1.905	2.861	7.7	21.5
9 28	22 17.88	−13 10.0	1.972	2.861	11.2	21.8
10 8	22 14.30	−13 31.2	2.060	2.862	14.1	22.0

180510 2004 DH_5 8 30.8 271°.57 1°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.76	−11 39.9	1.516	2.415	14.2	20.3
8 9	22 56.90	−12 10.0	1.442	2.401	10.2	20.1
8 19	22 48.63	−12 47.7	1.390	2.387	5.6	19.8
8 29	22 38.78	−13 26.7	1.364	2.372	1.9	19.5
9 8	22 28.53	−14 0.1	1.364	2.358	5.3	19.7
9 18	22 19.17	−14 22.2	1.389	2.343	10.1	19.9
9 28	22 11.87	−14 29.1	1.438	2.328	14.4	20.1
10 8	22 7.36	−14 19.7	1.506	2.313	18.2	20.4

204054 2003 UG_{237} 8 30.8 316°.99 1°.7/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.56	− 2 15.9	1.628	2.507	14.4	20.6
8 9	22 52.96	− 2 35.1	1.554	2.499	10.7	20.3
8 19	22 46.34	− 3 10.1	1.502	2.490	6.5	20.1
8 29	22 38.42	− 3 57.4	1.475	2.481	2.3	19.8
9 8	22 30.21	− 4 51.1	1.473	2.473	3.7	19.9
9 18	22 22.74	− 5 44.7	1.498	2.465	8.1	20.1
9 28	22 17.01	− 6 31.8	1.547	2.458	12.3	20.3
10 8	22 13.67	− 7 7.5	1.617	2.451	15.9	20.6

163453 2002 RW_{128} 8 30.8 304°.40 7°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.65	−25 19.2	1.669	2.574	12.7	19.3
8 9	22 56.13	−26 24.9	1.595	2.548	9.9	19.1
8 19	22 48.23	−27 26.2	1.545	2.522	7.7	18.9
8 29	22 38.72	−28 13.7	1.519	2.496	7.6	18.8
9 8	22 28.79	−28 39.7	1.518	2.470	9.8	18.9
9 18	22 19.70	−28 39.8	1.541	2.444	13.0	19.0
9 28	22 12.61	−28 13.2	1.585	2.419	16.3	19.2
10 8	22 8.30	−27 22.7	1.647	2.394	19.3	19.4

121759 1999 YU_3 8 30.8 297°.83 11°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.77	−45 15.6	2.202	3.038	12.8	19.1
8 9	23 2.24	−46 9.1	2.158	3.026	11.8	19.0
8 19	22 51.34	−46 42.0	2.136	3.014	11.4	18.9
8 29	22 39.15	−46 46.8	2.137	3.002	11.8	19.0
9 8	22 27.04	−46 19.9	2.160	2.990	12.9	19.0
9 18	22 16.29	−45 21.7	2.205	2.978	14.4	19.1
9 28	22 7.94	−43 56.1	2.269	2.966	15.9	19.2
10 8	22 2.52	−42 9.1	2.350	2.955	17.4	19.3

262976 2007 EV_{16} 8 30.8 98°.44 0°.9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.34	− 9 3.9	2.292	3.178	10.5	20.9
8 9	22 51.51	− 9 47.9	2.231	3.184	7.4	20.7
8 19	22 45.29	−10 38.7	2.195	3.189	4.0	20.5
8 29	22 38.25	−11 31.9	2.186	3.195	0.9	20.3
9 8	22 31.11	−12 22.5	2.206	3.200	3.5	20.5
9 18	22 24.59	−13 6.1	2.253	3.206	6.8	20.7
9 28	22 19.34	−13 39.3	2.327	3.211	9.9	20.9
10 8	22 15.83	−14 0.3	2.423	3.216	12.5	21.1

155881 2001 EF_{19} 8 30.8 207°.70 2°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.22	+ 2 19.3	2.644	3.486	10.7	20.5
8 9	22 50.63	+ 1 45.9	2.562	3.482	8.2	20.3
8 19	22 44.80	+ 0 59.1	2.503	3.477	5.4	20.1
8 29	22 38.20	+ 0 1.2	2.473	3.473	2.8	20.0
9 8	22 31.43	− 1 3.9	2.471	3.468	2.9	20.0
9 18	22 25.11	− 2 11.4	2.498	3.462	5.5	20.1
9 28	22 19.85	− 3 16.5	2.553	3.457	8.4	20.3
10 8	22 16.09	− 4 15.0	2.633	3.451	10.9	20.5

445463 2010 VD_{61} 8 30.8 310°.66 6°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.74	−25 28.6	2.001	2.905	11.0	20.3
8 9	22 52.90	−26 48.2	1.943	2.894	8.5	20.1
8 19	22 46.23	−28 3.2	1.909	2.883	6.8	20.0
8 29	22 38.43	−29 5.8	1.902	2.872	6.8	20.0
9 8	22 30.41	−29 49.5	1.920	2.862	8.7	20.1
9 18	22 23.14	−30 10.8	1.963	2.852	11.4	20.2
9 28	22 17.48	−30 8.6	2.027	2.842	14.0	20.4
10 8	22 14.02	−29 44.8	2.110	2.832	16.3	20.6

21671 Warrener 8 30.8 195°.57 2°.4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.57	+ 2 23.1	1.880	2.736	13.8	18.1
8 9	22 52.00	+ 1 27.5	1.806	2.735	10.5	17.9
8 19	22 45.71	+ 0 12.0	1.754	2.734	6.7	17.7
8 29	22 38.35	− 1 19.0	1.729	2.733	3.1	17.5
9 8	22 30.77	− 2 58.6	1.732	2.731	3.4	17.5
9 18	22 23.86	− 4 38.9	1.763	2.730	7.2	17.7
9 28	22 18.45	− 6 11.8	1.820	2.728	10.9	18.0
10 8	22 15.10	− 7 31.4	1.900	2.726	14.2	18.2

448045 2008 FH_6 8 30.8 92°.62 0°.4/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.42	− 5 57.4	2.395	3.264	10.8	21.4
8 9	22 54.21	− 6 13.0	2.347	3.289	7.7	21.3
8 19	22 46.69	− 6 36.2	2.324	3.314	4.4	21.1
8 29	22 38.48	− 7 3.6	2.329	3.338	0.9	20.9
9 8	22 30.30	− 7 31.7	2.364	3.362	2.8	21.1
9 18	22 22.86	− 7 57.0	2.427	3.386	6.0	21.3
9 28	22 16.76	− 8 16.5	2.518	3.409	9.0	21.6
10 8	22 12.40	− 8 28.2	2.632	3.432	11.4	21.8

451850 2014 AT_{32} 8 30.8 167°.07 16°.4/11.4 15

7 30	23 8.02	+24 33.6	1.280	2.025	24.7	20.5
8 9	23 1.33	+26 27.5	1.218	2.029	22.3	20.3
8 19	22 51.44	+27 43.7	1.170	2.032	19.8	20.2
8 29	22 39.28	+28 13.2	1.139	2.035	17.6	20.0
9 8	22 26.44	+27 52.4	1.127	2.037	16.5	20.0
9 18	22 14.71	+26 45.2	1.135	2.038	16.7	20.0
9 28	22 5.72	+25 3.0	1.162	2.038	18.2	20.1
10 8	22 0.45	+23 2.2	1.208	2.038	20.4	20.3

484930 2009 SV_{115} 8 30.8 318°.25 0°.6/31.4 18

7 30	22 55.37	− 4 33.1	1.979	2.860	12.2	21.5
8 9	22 51.13	− 5 5.2	1.900	2.847	8.9	21.3
8 19	22 45.24	− 5 49.4	1.844	2.835	5.1	21.0
8 29	22 38.29	− 6 41.8	1.814	2.823	1.2	20.7
9 8	22 31.08	− 7 37.2	1.812	2.811	3.2	20.9
9 18	22 24.45	− 8 29.9	1.836	2.799	7.2	21.1
9 28	22 19.22	− 9 14.8	1.886	2.788	10.9	21.3
10 8	22 15.95	− 9 48.1	1.958	2.778	14.1	21.5

96222 1993 TU_9 8 30.8 205°.65 1°.0/ 1.0 18

7 30	22 56.73	− 3 13.2	2.739	3.599	9.8	20.8
8 9	22 51.66	− 3 34.5	2.659	3.595	7.2	20.6
8 19	22 45.36	− 4 4.9	2.605	3.591	4.3	20.4
8 29	22 38.30	− 4 41.8	2.579	3.586	1.4	20.2
9 8	22 31.09	− 5 21.7	2.582	3.581	2.5	20.3
9 18	22 24.34	− 6 1.2	2.614	3.575	5.5	20.5
9 28	22 18.64	− 6 36.6	2.674	3.569	8.3	20.7
10 8	22 14.42	− 7 5.1	2.758	3.563	10.8	20.8

71482 Jennamarie 8 30.8 112°.35 4°.3/25.5 18

7 30	22 56.37	−19 51.0	2.323	3.224	9.8	19.0
8 9	22 51.61	−21 7.4	2.270	3.227	7.1	18.8
8 19	22 45.39	−22 23.2	2.243	3.230	4.8	18.7
8 29	22 38.31	−23 32.2	2.244	3.232	4.4	18.7
9 8	22 31.11	−24 28.6	2.272	3.235	6.3	18.8
9 18	22 24.54	−25 8.7	2.328	3.238	8.9	19.0
9 28	22 19.30	−25 30.7	2.407	3.240	11.4	19.2
10 8	22 15.85	−25 34.7	2.506	3.243	13.6	19.3

53093 La Orotava 8 30.8 308°.89 1°.2/31.6 18

7 30	22 59.64	− 4 5.5	1.182	2.081	17.3	18.5
8 9	22 55.11	− 4 24.8	1.113	2.068	12.8	18.2
8 19	22 47.85	− 5 2.9	1.063	2.056	7.5	17.8
8 29	22 38.73	− 5 55.1	1.036	2.044	2.0	17.5
9 8	22 29.13	− 6 53.2	1.032	2.033	4.6	17.6
9 18	22 20.54	− 7 48.2	1.052	2.022	10.4	17.9
9 28	22 14.31	− 8 32.0	1.094	2.011	15.6	18.2
10 8	22 11.29	− 8 59.3	1.153	2.001	20.1	18.4

61319 2000 OW_{51} 8 30.8 23°.55 3°.5/ 1.6 18

7 30	23 4.96	− 3 2.0	1.226	2.112	17.7	17.3
8 9	22 58.53	− 2 6.3	1.175	2.121	13.3	17.1
8 19	22 49.50	− 1 25.0	1.144	2.130	8.4	16.8
8 29	22 38.95	− 0 57.7	1.136	2.140	4.1	16.6
9 8	22 28.33	− 0 41.6	1.153	2.151	5.0	16.7
9 18	22 19.03	− 0 32.9	1.195	2.163	9.5	17.0
9 28	22 12.24	− 0 26.5	1.259	2.176	14.0	17.3
10 8	22 8.57	− 0 18.0	1.343	2.190	17.8	17.6

465050 2006 RM_{74} 8 30.8 38°.31 2°.0/ 1.4 17

7 30	22 56.60	− 0 1.2	0.990	1.892	19.6	20.2
8 9	22 52.71	− 0 59.0	0.958	1.913	14.4	19.9
8 19	22 46.27	− 2 22.7	0.943	1.935	8.6	19.7
8 29	22 38.45	− 4 3.2	0.950	1.958	2.9	19.4
9 8	22 30.71	− 5 47.5	0.980	1.982	4.5	19.6
9 18	22 24.41	− 7 23.3	1.034	2.007	10.0	20.0
9 28	22 20.61	− 8 40.7	1.108	2.032	14.8	20.4
10 8	22 19.78	− 9 34.9	1.201	2.058	18.8	20.7

288326 2004 BF_{61} 8 30.8 308°.99 1°.1/31.5 18

7 30	22 58.94	− 4 36.3	1.258	2.156	16.5	21.3
8 9	22 54.63	− 4 50.9	1.177	2.132	12.3	20.9
8 19	22 47.63	− 5 22.9	1.116	2.109	7.2	20.6
8 29	22 38.72	− 6 8.2	1.078	2.087	1.8	20.2
9 8	22 29.18	− 6 59.7	1.064	2.065	4.6	20.3
9 18	22 20.44	− 7 49.1	1.074	2.043	10.3	20.6
9 28	22 13.90	− 8 28.5	1.105	2.022	15.6	20.8
10 8	22 10.50	− 8 52.5	1.155	2.002	20.1	21.0

428610 2008 EV_{149} 8 30.8 115°.60 0°.7/31.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.10	− 3 56.3	1.641	2.520	14.3	22.2
8 9	22 55.30	− 4 35.5	1.586	2.533	10.4	22.0
8 19	22 47.54	− 5 28.7	1.554	2.545	6.0	21.8
8 29	22 38.66	− 6 30.7	1.548	2.557	1.4	21.5
9 8	22 29.70	− 7 34.3	1.569	2.568	3.7	21.7
9 18	22 21.68	− 8 32.9	1.617	2.580	8.1	22.0
9 28	22 15.53	− 9 20.9	1.690	2.590	12.1	22.2
10 8	22 11.77	− 9 54.7	1.784	2.601	15.4	22.5

191316 2003 HZ_{47} 8 30.8 95°.04 5°.3/27.1 18

7 30	23 6.87	−21 54.5	1.651	2.550	13.2	20.0
8 9	22 59.40	−22 27.0	1.606	2.560	9.7	19.8
8 19	22 49.78	−22 54.7	1.584	2.570	6.5	19.6
8 29	22 38.99	−23 10.5	1.589	2.580	5.4	19.6
9 8	22 28.28	−23 9.5	1.620	2.591	7.6	19.8
9 18	22 18.82	−22 49.8	1.677	2.600	10.9	20.0
9 28	22 11.55	−22 12.0	1.757	2.610	14.1	20.2
10 8	22 6.99	−21 19.0	1.856	2.620	16.8	20.4

383955 2008 TE_6 8 30.8 284°.05 5°.0/ 4.8 18

7 30	22 56.65	+ 7 45.7	1.732	2.568	15.7	20.5
8 9	22 52.23	+ 7 25.7	1.655	2.564	12.5	20.3
8 19	22 45.93	+ 6 41.6	1.600	2.561	9.0	20.1
8 29	22 38.43	+ 5 35.0	1.568	2.557	5.9	19.9
9 8	22 30.66	+ 4 11.1	1.563	2.554	5.2	19.8
9 18	22 23.59	+ 2 37.6	1.584	2.550	7.8	20.0
9 28	22 18.14	+ 1 3.4	1.630	2.547	11.4	20.2
10 8	22 14.94	− 0 23.3	1.699	2.543	14.7	20.4

521699 2015 RP_{263} 8 30.8 8°.94 5°.8/25.1 18

7 30	22 56.98	−21 53.6	1.731	2.642	12.0	20.1
8 9	22 52.43	−23 7.6	1.684	2.644	8.9	19.9
8 19	22 45.98	−24 18.7	1.661	2.646	6.4	19.8
8 29	22 38.43	−25 18.9	1.664	2.649	6.1	19.8
9 8	22 30.77	−26 1.2	1.691	2.652	8.2	19.9
9 18	22 24.01	−26 21.8	1.743	2.656	11.2	20.1
9 28	22 19.02	−26 19.8	1.817	2.661	14.1	20.3
10 8	22 16.34	−25 56.7	1.910	2.666	16.7	20.5

159948 2005 YU_{66} 8 30.8 46°.73 4°.0/27.6 18

7 30	22 59.77	−15 9.8	1.359	2.272	14.5	18.7
8 9	22 54.59	−16 17.5	1.323	2.288	10.2	18.5
8 19	22 47.21	−17 28.3	1.309	2.304	6.0	18.3
8 29	22 38.62	−18 33.1	1.319	2.321	4.1	18.2
9 8	22 30.07	−19 23.4	1.354	2.338	7.0	18.4
9 18	22 22.75	−19 54.0	1.414	2.356	11.0	18.7
9 28	22 17.61	−20 3.1	1.496	2.374	14.7	19.0
10 8	22 15.14	−19 51.5	1.596	2.392	17.8	19.2

51564 2001 HZ 8 30.8 72°.64 0°.6/30.4 17

7 30	23 1.17	− 7 3.4	1.381	2.277	15.5	19.0
8 9	22 55.55	− 7 51.0	1.337	2.294	11.0	18.8
8 19	22 47.74	− 8 51.0	1.316	2.311	6.0	18.6
8 29	22 38.71	− 9 56.1	1.319	2.328	0.9	18.3
9 8	22 29.69	−10 58.1	1.348	2.345	4.5	18.6
9 18	22 21.86	−11 49.7	1.402	2.362	9.3	18.9
9 28	22 16.17	−12 26.1	1.480	2.379	13.5	19.2
10 8	22 13.16	−12 45.1	1.577	2.396	16.9	19.5

442948 2013 CH_{99} 8 30.8 42°.50 1°.8/ 1.3 18

7 30	23 0.67	− 3 20.8	1.893	2.764	13.1	20.9
8 9	22 54.84	− 3 10.9	1.830	2.770	9.7	20.7
8 19	22 47.26	− 3 12.1	1.790	2.776	5.9	20.4
8 29	22 38.64	− 3 22.1	1.777	2.783	2.3	20.2
9 8	22 29.91	− 3 37.2	1.791	2.790	3.4	20.3
9 18	22 21.99	− 3 53.5	1.832	2.797	7.1	20.6
9 28	22 15.67	− 4 7.1	1.899	2.804	10.7	20.8
10 8	22 11.51	− 4 14.9	1.988	2.811	13.8	21.0

133701 2003 UD_{230} 8 30.8 19°.84 0°.9/29.9 18

7 30	22 57.85	− 8 15.3	1.626	2.523	13.5	19.7
8 9	22 53.10	− 9 2.7	1.567	2.524	9.6	19.5
8 19	22 46.40	−10 0.8	1.530	2.526	5.2	19.3
8 29	22 38.53	−11 3.3	1.519	2.529	1.0	19.0
9 8	22 30.50	−12 3.0	1.535	2.531	4.3	19.2
9 18	22 23.33	−12 53.5	1.576	2.534	8.7	19.5
9 28	22 17.93	−13 29.9	1.642	2.537	12.7	19.7
10 8	22 14.87	−13 49.9	1.727	2.540	15.9	20.0

444067 2004 RX_{218} 8 30.8 300°.92 5°.7/26.7 17

7 30	23 8.48	−26 10.4	2.087	2.972	11.5	20.5
8 9	23 0.50	−26 21.8	2.011	2.954	8.8	20.3
8 19	22 50.45	−26 25.0	1.960	2.936	6.5	20.1
8 29	22 39.16	−26 14.3	1.937	2.918	5.8	20.0
9 8	22 27.70	−25 45.9	1.941	2.900	7.5	20.1
9 18	22 17.16	−24 58.7	1.973	2.882	10.3	20.2
9 28	22 8.49	−23 54.0	2.030	2.864	13.2	20.4
10 8	22 2.32	−22 35.0	2.109	2.847	15.8	20.6

434085 2002 CD_{29} 8 30.8 204°.03 2°.6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.24	−13 43.8	1.809	2.705	12.4	20.9
8 9	22 55.42	−14 29.4	1.745	2.703	8.8	20.7
8 19	22 47.67	−15 19.5	1.706	2.701	5.0	20.4
8 29	22 38.74	−16 7.8	1.694	2.699	2.6	20.3
9 8	22 29.64	−16 48.2	1.708	2.696	5.3	20.5
9 18	22 21.36	−17 15.8	1.750	2.693	9.1	20.7
9 28	22 14.83	−17 27.7	1.815	2.690	12.7	20.9
10 8	22 10.62	−17 23.5	1.901	2.687	15.7	21.1

479284 2013 GK_{45} 8 30.8 162°.83 1°.2/29.5 18

7 30	22 57.69	−10 19.4	2.294	3.181	10.5	21.3
8 9	22 52.54	−11 0.2	2.230	3.183	7.4	21.1
8 19	22 45.94	−11 46.9	2.190	3.185	4.0	20.9
8 29	22 38.48	−12 35.1	2.179	3.187	1.2	20.7
9 8	22 30.90	−13 19.9	2.195	3.189	3.7	20.9
9 18	22 23.93	−13 57.1	2.240	3.190	7.0	21.1
9 28	22 18.27	−14 23.6	2.311	3.191	10.1	21.3
10 8	22 14.38	−14 37.8	2.404	3.192	12.7	21.5

257595 1999 RT_{40} 8 30.8 272°.87 4°.9/ 4.7 18

7 30	22 58.03	+ 9 20.4	1.714	2.540	16.2	20.3
8 9	22 53.53	+ 8 25.3	1.609	2.513	13.1	20.0
8 19	22 46.87	+ 6 58.9	1.525	2.485	9.4	19.7
8 29	22 38.67	+ 5 2.4	1.466	2.456	5.9	19.4
9 8	22 29.86	+ 2 42.0	1.433	2.427	5.1	19.3
9 18	22 21.54	+ 0 8.4	1.429	2.397	8.4	19.5
9 28	22 14.81	− 2 25.6	1.452	2.366	12.7	19.6
10 8	22 10.52	− 4 47.9	1.498	2.335	16.8	19.8

142158 2002 RS_{30} 8 30.8 15°.05 4°.2/ 2.9 18

7 30	22 51.79	+ 2 12.0	0.869	1.777	21.0	19.1
8 9	22 49.66	+ 1 57.1	0.829	1.784	16.1	18.8
8 19	22 44.80	+ 1 10.7	0.805	1.793	10.5	18.6
8 29	22 38.32	− 0 2.0	0.801	1.804	5.3	18.3
9 8	22 31.72	− 1 29.8	0.817	1.818	5.3	18.4
9 18	22 26.48	− 2 59.4	0.853	1.833	10.3	18.7
9 28	22 23.79	− 4 18.2	0.910	1.850	15.4	19.1
10 8	22 24.23	− 5 17.7	0.984	1.869	19.8	19.4

236370 2006 BE_{275} 8 30.8 240°.93 2°.5/29.1 18

7 30	23 8.16	−15 59.6	1.945	2.830	12.2	20.4
8 9	23 0.33	−16 2.9	1.868	2.819	8.7	20.2
8 19	22 50.42	−16 6.4	1.815	2.808	5.0	20.0
8 29	22 39.19	−16 5.4	1.791	2.796	2.5	19.8
9 8	22 27.73	−15 55.9	1.796	2.784	5.0	19.9
9 18	22 17.12	−15 35.5	1.828	2.771	8.9	20.1
9 28	22 8.36	−15 3.5	1.887	2.758	12.5	20.3
10 8	22 2.08	−14 20.4	1.968	2.745	15.5	20.5

398020 2009 DV_{19} 8 30.8 237°.76 5°.9/23.9 18

7 30	22 59.57	−24 0.4	2.136	3.035	10.6	20.8
8 9	22 54.18	−25 28.5	2.074	3.025	8.1	20.7
8 19	22 46.99	−26 53.9	2.038	3.014	6.2	20.5
8 29	22 38.66	−28 8.6	2.029	3.003	6.2	20.5
9 8	22 30.09	−29 5.9	2.047	2.991	8.2	20.6
9 18	22 22.18	−29 41.8	2.090	2.979	10.8	20.8
9 28	22 15.81	−29 54.9	2.157	2.966	13.4	20.9
10 8	22 11.57	−29 46.4	2.242	2.954	15.7	21.1

155261 2005 WE_{95} 8 30.8 96°.02 0°.9/30.1 18

7 30	23 0.55	− 8 19.8	1.658	2.549	13.6	20.4
8 9	22 54.92	− 9 4.6	1.606	2.561	9.6	20.2
8 19	22 47.37	− 9 59.0	1.577	2.572	5.2	20.0
8 29	22 38.71	−10 56.9	1.575	2.584	1.0	19.7
9 8	22 29.99	−11 51.4	1.599	2.595	4.2	20.0
9 18	22 22.22	−12 36.7	1.650	2.606	8.5	20.3
9 28	22 16.29	−13 8.5	1.725	2.617	12.3	20.5
10 8	22 12.73	−13 24.9	1.821	2.628	15.5	20.8

22394 1994 TO 8 30.8 25°.64 4°.8/28.1 18

7 30	23 4.69	−19 33.1	1.296	2.208	15.2	16.8
8 9	22 58.21	−19 46.8	1.255	2.218	11.0	16.6
8 19	22 49.26	−19 57.2	1.236	2.229	6.8	16.4
8 29	22 39.00	−19 57.4	1.241	2.241	4.8	16.3
9 8	22 28.86	−19 42.4	1.270	2.254	7.4	16.5
9 18	22 20.18	−19 10.2	1.324	2.268	11.4	16.8
9 28	22 13.99	−18 21.8	1.400	2.282	15.2	17.1
10 8	22 10.81	−17 19.8	1.494	2.298	18.4	17.3

282333 2002 UX_{51} 8 30.8 343°.63 6°.6/ 4.4 17

7 30	22 56.06	+ 5 40.5	1.332	2.196	18.0	20.4
8 9	22 52.34	+ 6 20.1	1.259	2.183	14.5	20.1
8 19	22 46.25	+ 6 36.5	1.204	2.171	10.7	19.9
8 29	22 38.58	+ 6 28.7	1.171	2.160	7.4	19.7
9 8	22 30.46	+ 5 59.2	1.160	2.150	6.9	19.6
9 18	22 23.16	+ 5 14.0	1.173	2.141	9.7	19.7
9 28	22 17.87	+ 4 21.4	1.208	2.134	13.7	19.9
10 8	22 15.38	+ 3 30.3	1.263	2.129	17.5	20.2

57608 2001 TY_{114} 8 30.8 44°.66 1°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.12	−10 18.7	1.299	2.202	15.8	17.9
8 9	22 57.05	−10 31.8	1.255	2.215	11.2	17.7
8 19	22 48.63	−10 53.0	1.233	2.230	6.1	17.5
8 29	22 38.91	−11 16.2	1.235	2.245	1.3	17.2
9 8	22 29.23	−11 35.3	1.263	2.260	4.9	17.5
9 18	22 20.86	−11 45.5	1.315	2.276	9.7	17.8
9 28	22 14.84	−11 43.5	1.389	2.292	14.0	18.1
10 8	22 11.69	−11 28.4	1.484	2.308	17.5	18.4

90882 1996 XB_{25} 8 30.8 319°.22 4°.2/27.5 18

7 30	22 57.82	−15 22.9	1.374	2.290	14.2	18.1
8 9	22 53.64	−16 24.4	1.302	2.269	10.2	17.8
8 19	22 47.00	−17 32.5	1.252	2.248	6.1	17.5
8 29	22 38.70	−18 38.2	1.226	2.228	4.3	17.4
9 8	22 29.94	−19 32.0	1.224	2.209	7.4	17.5
9 18	22 22.04	−20 6.6	1.246	2.190	11.9	17.7
9 28	22 16.24	−20 17.9	1.289	2.172	16.3	17.9
10 8	22 13.33	−20 5.4	1.350	2.155	20.0	18.1

515677 2014 OV_{385} 8 30.8 67°.46 3°.1/ 3.1 18

7 30	22 57.57	+ 2 21.6	2.239	3.084	12.3	21.2
8 9	22 52.47	+ 2 23.0	2.170	3.090	9.4	21.1
8 19	22 45.92	+ 2 10.5	2.124	3.096	6.4	20.9
8 29	22 38.50	+ 1 45.7	2.105	3.101	3.7	20.7
9 8	22 30.94	+ 1 12.0	2.113	3.107	3.6	20.7
9 18	22 24.00	+ 0 33.5	2.149	3.113	6.3	20.9
9 28	22 18.36	− 0 5.2	2.211	3.119	9.3	21.1
10 8	22 14.51	− 0 39.8	2.297	3.124	12.0	21.3

79167 1993 FM_{32} 8 30.8 26°.99 2°.3/ 1.2 18

7 30	23 1.43	− 3 37.0	1.148	2.044	17.9	18.0
8 9	22 56.13	− 3 21.8	1.100	2.053	13.2	17.7
8 19	22 48.25	− 3 23.4	1.072	2.063	8.0	17.5
8 29	22 38.87	− 3 38.3	1.067	2.074	3.0	17.2
9 8	22 29.40	− 4 0.7	1.085	2.085	4.5	17.4
9 18	22 21.27	− 4 24.0	1.127	2.098	9.6	17.7
9 28	22 15.60	− 4 42.0	1.190	2.111	14.3	18.0
10 8	22 13.01	− 4 50.4	1.273	2.125	18.3	18.3

44882 1999 UR_{51} 8 30.8 341°.16 0°.6/31.3 18

7 30	22 55.13	− 3 7.0	1.181	2.083	17.0	19.1
8 9	22 51.79	− 4 5.4	1.117	2.076	12.5	18.8
8 19	22 45.97	− 5 26.6	1.074	2.069	7.2	18.5
8 29	22 38.54	− 7 3.3	1.053	2.063	1.5	18.1
9 8	22 30.76	− 8 44.5	1.057	2.057	4.6	18.3
9 18	22 23.97	−10 18.2	1.084	2.053	10.2	18.6
9 28	22 19.37	−11 34.5	1.132	2.049	15.3	18.9
10 8	22 17.72	−12 27.9	1.199	2.046	19.5	19.1

393699 2004 TB_{98} 8 30.8 0°.77 3°.2/ 3.4 18

7 30	22 54.83	+ 3 55.4	2.101	2.948	12.9	20.7
8 9	22 50.65	+ 3 27.7	2.027	2.947	10.0	20.5
8 19	22 44.97	+ 2 42.6	1.976	2.947	6.8	20.3
8 29	22 38.37	+ 1 42.5	1.950	2.947	3.8	20.2
9 8	22 31.60	+ 0 32.2	1.951	2.947	3.7	20.1
9 18	22 25.41	− 0 42.3	1.980	2.948	6.5	20.3
9 28	22 20.53	− 1 54.8	2.036	2.948	9.7	20.5
10 8	22 17.46	− 2 59.5	2.115	2.949	12.7	20.7

91162 1998 QX_{75} 8 30.8 354°.80 4°.9/ 5.6 18

7 30	22 52.65	+ 9 28.5	1.842	2.671	15.2	18.6
8 9	22 49.30	+ 8 48.8	1.765	2.668	12.2	18.4
8 19	22 44.31	+ 7 43.7	1.709	2.665	8.9	18.2
8 29	22 38.27	+ 6 15.4	1.677	2.663	5.9	18.0
9 8	22 32.03	+ 4 29.8	1.671	2.661	5.0	18.0
9 18	22 26.42	+ 2 35.1	1.692	2.660	7.3	18.1
9 28	22 22.24	+ 0 40.7	1.740	2.660	10.6	18.3
10 8	22 20.06	− 1 4.9	1.811	2.661	13.7	18.5

361448 2007 BB_{71} 8 30.8 224°.41 0°.1/30.7 18

7 30	22 55.73	− 5 43.7	2.323	3.201	10.7	21.4
8 9	22 51.19	− 6 36.9	2.249	3.197	7.7	21.2
8 19	22 45.24	− 7 40.2	2.200	3.193	4.3	21.0
8 29	22 38.42	− 8 49.2	2.179	3.189	0.6	20.7
9 8	22 31.42	− 9 58.6	2.187	3.185	3.1	20.9
9 18	22 24.96	−11 3.0	2.223	3.180	6.6	21.1
9 28	22 19.70	−11 57.9	2.286	3.176	9.8	21.3
10 8	22 16.14	−12 40.2	2.371	3.171	12.5	21.5

274793 2008 WG_{38} 8 30.8 359°.45 4°.2/27.9 18

7 30	22 54.52	−14 42.7	1.038	1.969	16.3	18.9
8 9	22 51.52	−15 33.9	0.990	1.964	11.6	18.7
8 19	22 45.85	−16 31.3	0.961	1.960	6.7	18.4
8 29	22 38.53	−17 24.8	0.954	1.959	4.3	18.2
9 8	22 31.01	−18 4.4	0.969	1.959	7.7	18.4
9 18	22 24.75	−18 23.1	1.005	1.962	12.6	18.7
9 28	22 20.96	−18 17.8	1.061	1.966	17.1	19.0
10 8	22 20.27	−17 49.3	1.134	1.972	21.0	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
174433 2002 XN_{16}			8 30.8 345°.72		1°.3/30.1 18	
	h m	° ′			°	m
7 30	23 1.19	−12 6.4	1.334	2.242	15.1	18.4
8 9	22 55.96	−11 56.3	1.268	2.230	10.9	18.1
8 19	22 48.23	−11 51.1	1.223	2.220	6.0	17.8
8 29	22 38.91	−11 46.3	1.202	2.211	1.4	17.5
9 8	22 29.29	−11 37.1	1.205	2.203	5.0	17.7
9 18	22 20.72	−11 19.7	1.233	2.196	10.0	18.0
9 28	22 14.39	−10 52.0	1.284	2.191	14.6	18.3
10 8	22 11.00	−10 13.2	1.353	2.186	18.5	18.5
71877 2000 VT_{49}			8 30.8 262°.44		5°.1/27.0 18	
7 30	23 3.14	−18 5.7	1.418	2.327	14.3	19.0
8 9	22 57.31	−19 7.8	1.359	2.320	10.4	18.8
8 19	22 48.96	−20 11.6	1.321	2.313	6.6	18.5
8 29	22 39.02	−21 7.8	1.308	2.306	5.2	18.4
9 8	22 28.81	−21 47.6	1.321	2.299	8.0	18.6
9 18	22 19.68	−22 5.6	1.358	2.291	12.1	18.8
9 28	22 12.81	−22 0.0	1.416	2.284	16.0	19.0
10 8	22 8.91	−21 32.5	1.493	2.276	19.4	19.2
424039 2007 AH_{17}			8 30.8 197°.09		3°.0/27.9 18	
7 30	23 0.63	−13 36.4	1.862	2.758	12.1	21.3
8 9	22 55.00	−14 46.8	1.798	2.756	8.6	21.1
8 19	22 47.47	−16 2.9	1.759	2.753	4.9	20.8
8 29	22 38.78	−17 17.3	1.746	2.750	3.0	20.7
9 8	22 29.87	−18 22.8	1.762	2.746	5.6	20.9
9 18	22 21.73	−19 13.4	1.805	2.742	9.3	21.1
9 28	22 15.26	−19 45.8	1.872	2.737	12.8	21.3
10 8	22 11.05	−19 59.2	1.959	2.732	15.7	21.5
355111 2006 UA_{45}			8 30.8 288°.40		1°.5/29.4 18	
7 30	22 58.23	−11 2.5	1.965	2.858	11.7	21.3
8 9	22 53.21	−11 41.9	1.894	2.851	8.3	21.0
8 19	22 46.46	−12 27.9	1.848	2.843	4.5	20.8
8 29	22 38.62	−13 15.4	1.828	2.836	1.6	20.6
9 8	22 30.58	−13 58.8	1.835	2.828	4.3	20.8
9 18	22 23.21	−14 33.1	1.870	2.821	8.1	21.0
9 28	22 17.34	−14 54.9	1.929	2.814	11.6	21.2
10 8	22 13.54	−15 2.5	2.010	2.806	14.6	21.4
16578 Essjayess			8 30.8 139°.94		3°.0/29.4 18	
7 30	23 15.91	−17 15.8	1.567	2.451	14.6	17.6
8 9	23 5.99	−17 2.7	1.509	2.459	10.5	17.4
8 19	22 53.55	−16 47.2	1.475	2.467	6.1	17.2
8 29	22 39.71	−16 24.4	1.469	2.474	3.0	17.0
9 8	22 25.94	−15 50.7	1.492	2.481	5.7	17.2
9 18	22 13.64	−15 5.5	1.543	2.487	10.1	17.5
9 28	22 3.91	−14 9.8	1.619	2.493	14.0	17.7
10 8	21 57.34	−13 5.7	1.717	2.499	17.3	18.0
346671 2008 YH_{28}			8 30.8 318°.08		0°.5/30.5 18	
7 30	22 57.42	− 7 39.3	1.353	2.257	15.2	20.5
8 9	22 53.52	− 8 7.7	1.263	2.224	11.1	20.1
8 19	22 47.08	− 8 50.6	1.194	2.191	6.3	19.8
8 29	22 38.77	− 9 42.9	1.148	2.158	1.0	19.3
9 8	22 29.75	−10 37.0	1.127	2.126	4.9	19.5
9 18	22 21.37	−11 24.5	1.129	2.094	10.5	19.7
9 28	22 14.98	−11 58.3	1.154	2.064	15.6	19.9
10 8	22 11.56	−12 14.1	1.196	2.034	20.1	20.1
471878 2013 AF_{91}			8 30.8 244°.69		2°.5/28.1 18	
7 30	22 59.26	−13 54.3	2.344	3.234	10.2	22.1
8 9	22 53.82	−14 52.8	2.261	3.216	7.2	21.8
8 19	22 46.77	−15 56.2	2.204	3.198	4.2	21.6
8 29	22 38.68	−16 58.9	2.175	3.179	2.5	21.5
9 8	22 30.30	−17 55.3	2.175	3.159	4.8	21.6
9 18	22 22.42	−18 40.7	2.203	3.139	8.0	21.8
9 28	22 15.81	−19 11.7	2.257	3.118	11.1	21.9
10 8	22 11.06	−19 27.2	2.333	3.096	13.8	22.1
512012 2015 LA_{24}			8 30.8 15°.78		13°.2/10.7 18	
7 30	23 3.37	+23 1.0	1.734	2.464	19.6	20.1
8 9	22 57.36	+24 52.6	1.667	2.467	17.7	20.0
8 19	22 49.00	+26 16.1	1.618	2.470	15.7	19.9
8 29	22 39.05	+27 5.5	1.589	2.474	14.1	19.8
9 8	22 28.62	+27 18.5	1.581	2.479	13.2	19.7
9 18	22 18.95	+26 57.3	1.594	2.484	13.5	19.8
9 28	22 11.19	+26 8.5	1.629	2.489	14.7	19.9
10 8	22 6.15	+25 2.2	1.684	2.495	16.3	20.0
518865 2010 DB_{86}			8 30.8 51°.97		1°.1/31.5 18	
7 30	23 7.59	− 7 23.4	1.663	2.541	14.3	20.0
8 9	22 59.87	− 6 47.8	1.609	2.555	10.4	19.8
8 19	22 50.10	− 6 19.7	1.579	2.569	6.0	19.6
8 29	22 39.18	− 5 57.0	1.575	2.583	1.6	19.4
9 8	22 28.29	− 5 37.2	1.599	2.598	3.7	19.5
9 18	22 18.52	− 5 17.9	1.650	2.612	8.0	19.8
9 28	22 10.82	− 4 56.7	1.727	2.627	11.9	20.1
10 8	22 5.72	− 4 31.5	1.827	2.643	15.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
260358 2004 TP_{337}			8 30.8 271°.10		0°.3/30.5 18	
	h m	° ′			°	m
7 30	22 57.14	− 7 40.9	2.319	3.200	10.6	21.4
8 9	22 52.26	− 8 11.9	2.236	3.186	7.6	21.2
8 19	22 45.87	− 8 51.0	2.179	3.172	4.2	21.0
8 29	22 38.54	− 9 34.4	2.149	3.158	0.6	20.7
9 8	22 30.97	−10 17.7	2.147	3.144	3.2	20.9
9 18	22 23.91	−10 56.5	2.173	3.130	6.8	21.1
9 28	22 18.08	−11 27.0	2.226	3.116	10.0	21.3
10 8	22 14.02	−11 46.8	2.301	3.101	12.9	21.4
452449 2003 SM_{216}			8 30.8 333°.61		6°.3/ 4.2 17	
7 30	22 57.65	+ 5 48.7	1.683	2.528	15.7	20.4
8 9	22 53.22	+ 6 39.3	1.592	2.505	12.7	20.2
8 19	22 46.69	+ 7 12.5	1.523	2.482	9.5	19.9
8 29	22 38.70	+ 7 26.5	1.477	2.460	6.9	19.7
9 8	22 30.19	+ 7 22.2	1.455	2.440	6.5	19.6
9 18	22 22.25	+ 7 3.0	1.458	2.420	8.9	19.7
9 28	22 15.94	+ 6 34.5	1.485	2.401	12.4	19.9
10 8	22 12.04	+ 6 3.3	1.534	2.384	15.8	20.1
150633 2001 BE_{8}			8 30.8 158°.63		2°.6/ 2.8 18	
7 30	22 59.52	+ 1 30.3	2.743	3.578	10.6	20.3
8 9	22 53.65	+ 1 38.0	2.668	3.584	8.1	20.2
8 19	22 46.52	+ 1 34.9	2.618	3.589	5.4	20.0
8 29	22 38.65	+ 1 22.4	2.596	3.593	3.1	19.9
9 8	22 30.65	+ 1 2.9	2.604	3.597	3.1	19.9
9 18	22 23.16	+ 0 39.2	2.640	3.601	5.5	20.0
9 28	22 16.78	+ 0 14.8	2.705	3.605	8.1	20.2
10 8	22 11.95	− 0 7.2	2.794	3.608	10.5	20.4
57938 2002 JT_{33}			8 30.8 219°.66		5°.8/ 6.2 18	
7 30	22 58.06	+11 24.5	2.133	2.933	14.4	19.0
8 9	22 53.06	+11 18.1	2.046	2.926	11.8	18.8
8 19	22 46.39	+10 49.8	1.980	2.919	9.1	18.6
8 29	22 38.64	+ 9 59.7	1.939	2.911	6.6	18.5
9 8	22 30.61	+ 8 51.2	1.925	2.903	5.9	18.4
9 18	22 23.14	+ 7 29.6	1.937	2.894	7.4	18.5
9 28	22 17.02	+ 6 2.2	1.977	2.885	10.2	18.6
10 8	22 12.86	+ 4 36.5	2.040	2.875	13.0	18.8
201105 2002 GH_{149}			8 30.8 104°.02		2°.3/ 1.9 17	
7 30	22 58.28	+ 0 4.4	1.743	2.610	14.2	20.8
8 9	22 53.35	− 0 23.2	1.677	2.613	10.7	20.6
8 19	22 46.57	− 1 7.8	1.632	2.615	6.7	20.4
8 29	22 38.67	− 2 5.9	1.613	2.618	2.9	20.1
9 8	22 30.57	− 3 11.5	1.621	2.621	3.6	20.2
9 18	22 23.25	− 4 17.8	1.656	2.623	7.5	20.4
9 28	22 17.57	− 5 18.2	1.716	2.626	11.4	20.7
10 8	22 14.12	− 6 7.5	1.798	2.628	14.7	20.9
319549 2006 RP_{105}			8 30.8 120°.29		0°.3/31.1 15	
7 30	23 2.32	− 5 30.7	1.606	2.489	14.4	21.7
8 9	22 56.26	− 6 6.1	1.551	2.501	10.4	21.5
8 19	22 48.18	− 6 54.1	1.520	2.512	5.8	21.3
8 29	22 38.91	− 7 49.1	1.514	2.523	1.0	21.0
9 8	22 29.56	− 8 44.5	1.535	2.534	3.8	21.2
9 18	22 21.21	− 9 33.7	1.583	2.544	8.4	21.5
9 28	22 14.78	−10 11.7	1.655	2.554	12.4	21.8
10 8	22 10.84	−10 35.7	1.749	2.563	15.7	22.0
144223 2004 CH_{33}			8 30.8 48°.19		1°.7/29.3 18	
7 30	22 58.33	−10 39.5	1.769	2.666	12.6	20.0
8 9	22 53.33	−11 27.5	1.713	2.671	8.9	19.8
8 19	22 46.53	−12 22.8	1.681	2.677	4.8	19.6
8 29	22 38.66	−13 19.4	1.674	2.682	1.7	19.4
9 8	22 30.68	−14 10.7	1.695	2.688	4.6	19.6
9 18	22 23.52	−14 51.3	1.741	2.693	8.5	19.8
9 28	22 18.04	−15 17.7	1.813	2.699	12.1	20.1
10 8	22 14.76	−15 28.2	1.905	2.705	15.1	20.3
436088 2009 SY_{199}			8 30.8 234°.02		0°.9/30.2 18	
7 30	23 2.89	− 9 30.4	1.683	2.572	13.5	21.8
8 9	22 56.79	− 9 52.1	1.612	2.566	9.7	21.5
8 19	22 48.56	−10 21.9	1.565	2.560	5.3	21.3
8 29	22 38.99	−10 54.9	1.544	2.554	1.0	20.9
9 8	22 29.16	−11 25.4	1.550	2.547	4.3	21.2
9 18	22 20.19	−11 48.4	1.583	2.540	8.8	21.4
9 28	22 13.07	−12 0.1	1.640	2.533	12.8	21.6
10 8	22 8.47	−11 58.8	1.718	2.525	16.3	21.9
79797 1998 VM_{9}			8 30.8 329°.88		0°.3/31.1 18	
7 30	22 56.42	− 5 48.1	1.164	2.073	16.8	18.9
8 9	22 52.89	− 6 13.8	1.093	2.055	12.3	18.6
8 19	22 46.72	− 6 57.1	1.042	2.038	7.0	18.3
8 29	22 38.74	− 7 52.5	1.013	2.023	1.3	17.8
9 8	22 30.26	− 8 51.3	1.007	2.008	4.8	18.0
9 18	22 22.73	− 9 44.4	1.025	1.994	10.6	18.3
9 28	22 17.46	−10 23.8	1.063	1.982	15.8	18.6
10 8	22 15.32	−10 44.8	1.118	1.971	20.2	18.8

481368 2006 HQ_{132} 8 30.8 165°.00 0°.2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.21	− 7 26.3	3.083	3.955	8.6	22.8
8 9	22 51.20	− 7 58.7	3.015	3.959	6.1	22.7
8 19	22 45.14	− 8 36.9	2.972	3.964	3.4	22.5
8 29	22 38.45	− 9 18.0	2.958	3.968	0.5	22.2
9 8	22 31.67	− 9 58.5	2.974	3.971	2.4	22.4
9 18	22 25.33	−10 35.5	3.020	3.974	5.2	22.6
9 28	22 19.94	−11 6.0	3.093	3.977	7.7	22.8
10 8	22 15.87	−11 28.4	3.191	3.979	9.9	23.0

260077 2004 JU_{10} 8 30.8 152°.38 3°.4/26.6 18

7 30	22 58.23	−17 33.9	2.505	3.399	9.5	20.8
8 9	22 52.87	−18 46.5	2.452	3.407	6.7	20.6
8 19	22 46.14	−19 59.7	2.425	3.414	4.2	20.5
8 29	22 38.61	−21 8.0	2.427	3.421	3.5	20.4
9 8	22 30.98	−22 6.1	2.458	3.428	5.4	20.6
9 18	22 23.95	−22 50.2	2.516	3.434	8.0	20.7
9 28	22 18.18	−23 18.2	2.600	3.439	10.5	20.9
10 8	22 14.12	−23 30.1	2.705	3.444	12.6	21.1

112284 2002 LK_{29} 8 30.8 71°.62 7°.4/ 6.9 18

7 30	22 59.89	+12 35.0	1.768	2.571	16.7	19.4
8 9	22 54.46	+13 0.7	1.709	2.586	13.9	19.2
8 19	22 47.18	+13 1.6	1.669	2.601	10.9	19.1
8 29	22 38.79	+12 37.4	1.653	2.616	8.3	19.0
9 8	22 30.27	+11 51.0	1.661	2.632	7.4	18.9
9 18	22 22.60	+10 48.2	1.695	2.647	8.7	19.1
9 28	22 16.65	+ 9 36.9	1.754	2.662	11.3	19.2
10 8	22 12.98	+ 8 25.1	1.835	2.677	13.9	19.5

185351 2006 VV_{68} 8 30.8 334°.27 0°.8/31.6 18

7 30	22 57.34	− 4 16.4	1.891	2.770	12.7	20.5
8 9	22 52.61	− 4 41.6	1.821	2.767	9.3	20.3
8 19	22 46.16	− 5 19.0	1.774	2.764	5.4	20.1
8 29	22 38.64	− 6 4.6	1.753	2.761	1.4	19.8
9 8	22 30.92	− 6 53.3	1.759	2.758	3.3	20.0
9 18	22 23.88	− 7 39.5	1.792	2.756	7.3	20.2
9 28	22 18.34	− 8 18.3	1.850	2.753	11.0	20.4
10 8	22 14.88	− 8 46.1	1.930	2.751	14.2	20.6

106585 2000 WJ_{105} 8 30.8 127°.48 1°.6/29.5 17

7 30	23 1.83	− 9 29.5	1.539	2.435	14.2	20.2
8 9	22 56.04	−10 26.4	1.486	2.443	10.1	19.9
8 19	22 48.12	−11 33.1	1.456	2.452	5.5	19.7
8 29	22 38.95	−12 42.2	1.451	2.459	1.6	19.5
9 8	22 29.66	−13 45.6	1.473	2.467	4.9	19.7
9 18	22 21.39	−14 36.6	1.521	2.474	9.4	20.0
9 28	22 15.12	−15 10.8	1.593	2.481	13.4	20.3
10 8	22 11.42	−15 26.8	1.685	2.488	16.7	20.5

231925 2001 CK_{39} 8 30.8 185°.96 2°.9/28.1 18

7 30	23 3.01	−16 27.2	2.278	3.166	10.5	20.6
8 9	22 56.39	−17 2.0	2.213	3.166	7.5	20.4
8 19	22 48.15	−17 37.8	2.174	3.166	4.4	20.2
8 29	22 38.95	−18 9.6	2.163	3.165	2.9	20.1
9 8	22 29.63	−18 32.9	2.181	3.163	4.9	20.2
9 18	22 21.02	−18 44.5	2.227	3.160	8.1	20.4
9 28	22 13.90	−18 42.8	2.299	3.157	11.0	20.6
10 8	22 8.76	−18 27.9	2.393	3.154	13.5	20.8

319016 2005 UK_{509} 8 30.8 350°.99 3°.8/27.7 18

7 30	23 1.41	−18 45.5	1.948	2.847	11.5	19.7
8 9	22 55.45	−19 13.0	1.888	2.845	8.3	19.5
8 19	22 47.69	−19 39.5	1.853	2.843	5.2	19.3
8 29	22 38.88	−19 59.5	1.844	2.842	3.8	19.3
9 8	22 29.96	−20 8.3	1.862	2.841	5.9	19.4
9 18	22 21.90	−20 3.1	1.907	2.840	9.2	19.6
9 28	22 15.51	−19 42.9	1.976	2.840	12.3	19.8
10 8	22 11.33	−19 8.6	2.066	2.839	15.0	20.0

405058 2001 TX_{16} 8 30.8 268°.10 2°.2/27.1 18 R

7 30	22 56.60	−17 29.3	3.909	4.793	6.6	21.0
8 9	22 51.46	−18 13.6	3.809	4.759	4.8	20.8
8 19	22 45.32	−18 58.8	3.736	4.725	2.9	20.6
8 29	22 38.52	−19 42.0	3.693	4.689	2.3	20.5
9 8	22 31.50	−20 20.0	3.680	4.653	3.6	20.6
9 18	22 24.72	−20 50.3	3.698	4.617	5.6	20.7
9 28	22 18.65	−21 11.1	3.743	4.580	7.6	20.8
10 8	22 13.69	−21 21.6	3.812	4.542	9.4	20.9

350197 2012 AV_{5} 8 30.8 126°.13 1°.6/ 1.7 18

7 30	22 57.27	− 1 25.1	2.377	3.236	11.2	20.9
8 9	22 52.22	− 1 43.8	2.309	3.242	8.3	20.7
8 19	22 45.81	− 2 13.9	2.265	3.248	5.1	20.6
8 29	22 38.59	− 2 52.6	2.249	3.254	2.1	20.4
9 8	22 31.25	− 3 35.9	2.261	3.259	2.8	20.4
9 18	22 24.50	− 4 19.7	2.301	3.265	5.9	20.6
9 28	22 18.97	− 4 59.7	2.368	3.270	9.0	20.9
10 8	22 15.11	− 5 32.5	2.459	3.275	11.7	21.0

26728 Luwenqi 8 30.8 93°.74 0°.1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.18	− 5 37.2	1.832	2.715	12.9	18.9
8 9	22 53.22	− 6 17.7	1.768	2.718	9.3	18.7
8 19	22 46.50	− 7 9.9	1.728	2.720	5.2	18.5
8 29	22 38.71	− 8 8.8	1.714	2.723	0.9	18.2
9 8	22 30.75	− 9 8.4	1.727	2.725	3.5	18.4
9 18	22 23.56	−10 2.5	1.767	2.728	7.7	18.7
9 28	22 17.94	−10 46.1	1.832	2.730	11.4	18.9
10 8	22 14.46	−11 16.2	1.920	2.733	14.6	19.1

321686 2010 EP_{102} 8 30.8 302°.60 0°.0/30.7 18

7 30	22 59.50	− 6 44.9	1.733	2.620	13.3	21.1
8 9	22 54.29	− 7 10.9	1.665	2.616	9.6	20.8
8 19	22 47.15	− 7 47.7	1.620	2.613	5.4	20.6
8 29	22 38.82	− 8 30.7	1.601	2.610	0.9	20.2
9 8	22 30.26	− 9 14.2	1.608	2.607	3.7	20.5
9 18	22 22.49	− 9 52.5	1.643	2.604	8.1	20.7
9 28	22 16.42	−10 21.0	1.701	2.601	12.0	21.0
10 8	22 12.66	−10 36.9	1.782	2.598	15.4	21.2

366211 2012 TF_{13} 8 30.8 337°.03 2°.1/28.9 18

7 30	22 57.18	−10 3.4	1.542	2.445	13.7	20.7
8 9	22 52.83	−11 14.1	1.480	2.442	9.7	20.4
8 19	22 46.41	−12 35.7	1.441	2.438	5.3	20.2
8 29	22 38.70	−14 0.1	1.428	2.435	2.1	19.9
9 8	22 30.75	−15 18.3	1.440	2.432	5.4	20.2
9 18	22 23.65	−16 22.8	1.478	2.430	9.8	20.4
9 28	22 18.39	−17 8.2	1.539	2.428	13.8	20.7
10 8	22 15.59	−17 32.6	1.620	2.426	17.2	20.9

493790 2015 UL_{66} 8 30.8 292°.87 5°.7/23.8 17

7 30	22 56.89	−23 49.3	2.249	3.150	10.1	21.1
8 9	22 52.28	−25 14.2	2.179	3.131	7.7	20.9
8 19	22 46.01	−26 37.1	2.135	3.111	5.9	20.8
8 29	22 38.65	−27 50.9	2.117	3.091	6.0	20.7
9 8	22 31.00	−28 49.1	2.127	3.072	7.8	20.8
9 18	22 23.91	−29 27.5	2.162	3.052	10.4	21.0
9 28	22 18.19	−29 44.0	2.220	3.032	13.0	21.1
10 8	22 14.43	−29 39.5	2.297	3.013	15.2	21.2

323734 2005 LS_{23} 8 30.8 52°.20 1°.2/31.8 17

7 30	23 1.11	− 3 27.4	1.194	2.089	17.5	20.8
8 9	22 55.74	− 3 56.0	1.156	2.109	12.7	20.6
8 19	22 47.99	− 4 42.2	1.137	2.129	7.4	20.4
8 29	22 38.93	− 5 39.8	1.141	2.150	2.0	20.1
9 8	22 29.94	− 6 40.1	1.171	2.171	4.2	20.3
9 18	22 22.29	− 7 34.7	1.224	2.193	9.4	20.7
9 28	22 17.00	− 8 17.1	1.300	2.214	13.9	21.0
10 8	22 14.60	− 8 43.7	1.395	2.236	17.6	21.3

140798 2001 UR_{149} 8 30.8 346°.70 1°.7/29.2 18

7 30	22 57.58	−11 2.2	1.803	2.701	12.3	20.0
8 9	22 52.86	−11 47.5	1.740	2.698	8.7	19.8
8 19	22 46.33	−12 40.0	1.700	2.696	4.8	19.5
8 29	22 38.69	−13 33.9	1.686	2.694	1.7	19.3
9 8	22 30.88	−14 22.9	1.699	2.692	4.6	19.5
9 18	22 23.82	−15 1.5	1.739	2.691	8.5	19.7
9 28	22 18.38	−15 26.0	1.803	2.689	12.2	20.0
10 8	22 15.11	−15 34.8	1.887	2.688	15.2	20.2

354757 2005 TE_{196} 8 30.8 43°.07 3°.3/28.1 18

7 30	23 1.01	−16 55.5	1.899	2.798	11.7	20.3
8 9	22 55.14	−17 25.3	1.846	2.804	8.4	20.1
8 19	22 47.51	−17 55.6	1.818	2.811	5.0	20.0
8 29	22 38.87	−18 20.9	1.816	2.818	3.3	19.9
9 8	22 30.20	−18 36.4	1.842	2.825	5.5	20.0
9 18	22 22.42	−18 38.9	1.894	2.832	8.9	20.2
9 28	22 16.33	−18 27.1	1.970	2.840	12.1	20.5
10 8	22 12.44	−18 1.6	2.067	2.847	14.8	20.7

255386 2005 WS_{151} 8 30.9 337°.09 8°.2/22.5 18

7 30	22 58.07	−28 17.6	1.712	2.619	12.4	19.1
8 9	22 53.49	−29 43.6	1.661	2.609	9.9	18.9
8 19	22 46.79	−31 1.9	1.633	2.599	8.4	18.8
8 29	22 38.78	−32 2.8	1.629	2.590	8.7	18.8
9 8	22 30.56	−32 39.3	1.649	2.581	10.6	18.9
9 18	22 23.26	−32 48.0	1.692	2.573	13.3	19.1
9 28	22 17.86	−32 28.9	1.755	2.566	16.0	19.2
10 8	22 14.98	−31 45.3	1.835	2.559	18.3	19.4

249238 2008 HO_{22} 8 30.9 119°.01 3°.4/ 4.3 18

7 30	22 55.14	+ 6 21.0	2.340	3.168	12.4	20.6
8 9	22 50.77	+ 5 42.6	2.267	3.173	9.7	20.4
8 19	22 45.04	+ 4 46.4	2.216	3.178	6.8	20.2
8 29	22 38.51	+ 3 34.9	2.192	3.184	4.1	20.1
9 8	22 31.83	+ 2 12.8	2.196	3.188	3.7	20.1
9 18	22 25.71	+ 0 46.0	2.228	3.193	6.0	20.2
9 28	22 20.78	− 0 39.4	2.288	3.198	8.9	20.4
10 8	22 17.50	− 1 57.6	2.373	3.203	11.6	20.6

465251 2007 RP_{316} 8 30.9 1.°65 4.°7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 56.12	+ 1 40.0	0.953	1.852	20.4	20.3
8 9	22 52.87	+ 1 51.1	0.899	1.849	15.8	20.1
8 19	22 46.77	+ 1 34.4	0.862	1.848	10.5	19.8
8 29	22 38.81	+ 0 52.3	0.845	1.848	5.7	19.5
9 8	22 30.52	− 0 7.8	0.850	1.849	5.8	19.5
9 18	22 23.49	− 1 15.2	0.875	1.852	10.6	19.8
9 28	22 19.08	− 2 18.6	0.920	1.856	15.7	20.1
10 8	22 18.04	− 3 8.7	0.983	1.862	20.3	20.4

118078 5174 $T\text{-}_2$ 8 30.9 355.°11 1.°3/30.2 18

7 30	23 6.85	−13 21.3	1.331	2.232	15.6	18.5
8 9	22 59.99	−12 50.0	1.269	2.228	11.2	18.3
8 19	22 50.49	−12 20.5	1.229	2.225	6.3	18.0
8 29	22 39.39	−11 49.3	1.213	2.222	1.5	17.7
9 8	22 28.10	−11 13.1	1.223	2.221	5.0	17.9
9 18	22 18.07	−10 30.1	1.259	2.220	10.1	18.2
9 28	22 10.50	− 9 39.8	1.317	2.220	14.6	18.4
10 8	22 6.07	− 8 42.4	1.396	2.222	18.4	18.7

80323 1999 XV_{88} 8 30.9 238.°24 1.°1/31.8 18

7 30	23 1.48	− 3 27.1	1.803	2.675	13.6	20.6
8 9	22 55.79	− 3 52.8	1.721	2.663	10.0	20.4
8 19	22 48.08	− 4 32.5	1.661	2.650	5.9	20.1
8 29	22 39.03	− 5 22.6	1.628	2.636	1.7	19.8
9 8	22 29.60	− 6 17.2	1.622	2.622	3.5	19.9
9 18	22 20.83	− 7 10.3	1.644	2.607	8.0	20.1
9 28	22 13.72	− 7 56.0	1.691	2.591	12.0	20.3
10 8	22 8.94	− 8 30.1	1.759	2.575	15.6	20.5

259757 2004 AO_8 8 30.9 176.°74 1.°6/29.5 17

7 30	23 2.58	−10 27.8	1.771	2.661	12.9	21.8
8 9	22 56.46	−11 12.9	1.709	2.663	9.2	21.6
8 19	22 48.37	−12 5.6	1.670	2.665	5.0	21.4
8 29	22 39.07	−12 59.9	1.657	2.665	1.6	21.1
9 8	22 29.60	−13 49.3	1.673	2.666	4.6	21.3
9 18	22 20.99	−14 28.2	1.715	2.666	8.7	21.6
9 28	22 14.15	−14 53.0	1.782	2.665	12.5	21.8
10 8	22 9.70	−15 2.2	1.870	2.664	15.6	22.0

391774 2008 KQ_{35} 8 30.9 353.°12 3.°3/27.2 18

7 30	22 56.05	−15 18.7	1.988	2.892	11.1	20.3
8 9	22 51.68	−16 30.3	1.929	2.890	7.9	20.1
8 19	22 45.66	−17 45.6	1.895	2.889	4.7	19.9
8 29	22 38.64	−18 57.8	1.887	2.888	3.4	19.8
9 8	22 31.46	−20 0.1	1.907	2.887	5.7	20.0
9 18	22 24.97	−20 47.6	1.953	2.886	9.0	20.2
9 28	22 19.93	−21 17.1	2.023	2.886	12.1	20.4
10 8	22 16.88	−21 28.0	2.114	2.886	14.8	20.6

223540 2004 ES_{30} 8 30.9 49.°04 1.°2/31.7 17

7 30	23 0.92	− 3 52.2	1.255	2.148	16.9	20.2
8 9	22 55.59	− 4 14.0	1.212	2.165	12.3	19.9
8 19	22 47.94	− 4 52.2	1.190	2.182	7.1	19.7
8 29	22 39.00	− 5 41.3	1.192	2.200	1.9	19.4
9 8	22 30.07	− 6 33.4	1.218	2.218	4.1	19.6
9 18	22 22.39	− 7 20.9	1.269	2.237	9.1	20.0
9 28	22 16.99	− 7 57.7	1.343	2.256	13.6	20.3
10 8	22 14.40	− 8 20.2	1.436	2.276	17.2	20.6

479039 2013 AL_{33} 8 30.9 256.°82 3.°4/27.6 18

7 30	22 59.88	−15 59.5	1.961	2.859	11.4	21.5
8 9	22 54.51	−16 55.5	1.890	2.848	8.2	21.3
8 19	22 47.30	−17 54.8	1.843	2.836	4.9	21.1
8 29	22 38.92	−18 50.7	1.824	2.824	3.5	21.0
9 8	22 30.27	−19 37.0	1.832	2.812	5.8	21.1
9 18	22 22.31	−20 8.8	1.866	2.800	9.3	21.3
9 28	22 15.92	−20 23.4	1.924	2.787	12.6	21.5
10 8	22 11.71	−20 20.5	2.004	2.775	15.5	21.7

44065 1998 FU_{54} 8 30.9 246.°83 2.°1/ 1.7 18

7 30	22 59.17	+ 0 8.5	1.546	2.418	15.5	19.2
8 9	22 54.36	− 0 34.0	1.470	2.410	11.6	19.0
8 19	22 47.37	− 1 37.4	1.416	2.401	7.2	18.7
8 29	22 38.94	− 2 57.5	1.386	2.392	2.8	18.4
9 8	22 30.15	− 4 26.6	1.382	2.382	3.9	18.4
9 18	22 22.12	− 5 55.8	1.405	2.373	8.5	18.7
9 28	22 15.92	− 7 16.1	1.452	2.363	13.0	18.9
10 8	22 12.28	− 8 21.3	1.521	2.353	16.8	19.2

337071 1998 HY 8 30.9 112.°99 4.°5/ 4.7 18

7 30	22 56.99	+ 7 54.8	1.817	2.648	15.3	20.6
8 9	22 52.43	+ 7 16.0	1.747	2.654	12.1	20.4
8 19	22 46.11	+ 6 13.3	1.699	2.660	8.6	20.2
8 29	22 38.73	+ 4 49.5	1.676	2.666	5.4	20.0
9 8	22 31.17	+ 3 10.7	1.679	2.671	4.7	20.0
9 18	22 24.34	+ 1 25.1	1.710	2.677	7.3	20.1
9 28	22 19.07	− 0 18.3	1.767	2.682	10.7	20.4
10 8	22 15.92	− 1 51.9	1.847	2.687	13.9	20.6

182351 2001 QF_{44} 8 30.9 21.°18 1.°1/30.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.88	− 7 37.2	0.998	1.919	17.8	20.0
8 9	22 52.42	− 8 26.8	0.960	1.929	12.7	19.8
8 19	22 46.35	− 9 31.8	0.941	1.940	6.9	19.5
8 29	22 38.76	−10 43.1	0.943	1.953	1.3	19.2
9 8	22 31.15	−11 49.5	0.968	1.967	5.5	19.5
9 18	22 24.89	−12 41.8	1.015	1.983	11.0	19.9
9 28	22 21.12	−13 14.0	1.083	2.000	15.8	20.2
10 8	22 20.37	−13 24.3	1.168	2.018	19.7	20.6

270740 2002 RD_{13} 8 30.9 359.°13 1.°6/30.1 17

7 30	22 59.13	−11 42.4	0.946	1.872	18.0	19.2
8 9	22 55.08	−11 39.3	0.896	1.867	12.9	18.9
8 19	22 48.01	−11 44.2	0.864	1.863	7.2	18.6
8 29	22 39.06	−11 50.9	0.853	1.862	1.8	18.2
9 8	22 29.87	−11 52.2	0.863	1.862	5.9	18.5
9 18	22 22.12	−11 42.8	0.895	1.864	11.8	18.8
9 28	22 17.17	−11 19.5	0.946	1.868	17.0	19.1
10 8	22 15.70	−10 41.6	1.014	1.874	21.3	19.4

71612 2000 EH_{12} 8 30.9 331.°45 5.°0/27.4 18

7 30	23 2.91	−21 30.0	1.693	2.596	12.7	17.6
8 9	22 56.97	−21 45.1	1.619	2.576	9.4	17.3
8 19	22 48.79	−21 56.2	1.568	2.556	6.3	17.1
8 29	22 39.18	−21 57.0	1.543	2.538	5.0	17.0
9 8	22 29.28	−21 42.5	1.543	2.519	7.2	17.1
9 18	22 20.28	−21 10.2	1.569	2.502	10.8	17.2
9 28	22 13.23	−20 20.0	1.618	2.486	14.4	17.4
10 8	22 8.81	−19 14.2	1.687	2.470	17.5	17.6

257402 2009 SG_{297} 8 30.9 305.°53 3.°6/ 6.9 17

7 30	22 50.83	+11 48.2	4.346	5.117	8.0	19.8
8 9	22 47.26	+11 48.7	4.256	5.113	6.6	19.7
8 19	22 42.96	+11 38.7	4.189	5.109	5.2	19.6
8 29	22 38.23	+11 18.3	4.148	5.105	4.0	19.5
9 8	22 33.40	+10 49.0	4.136	5.101	3.6	19.5
9 18	22 28.82	+10 12.7	4.152	5.097	4.2	19.5
9 28	22 24.84	+ 9 31.9	4.195	5.093	5.5	19.6
10 8	22 21.73	+ 8 49.6	4.265	5.089	7.0	19.7

59577 1999 JS_{51} 8 30.9 253.°45 1.°3/31.9 18

7 30	23 0.71	− 3 4.9	1.385	2.271	16.1	18.5
8 9	22 55.57	− 3 34.7	1.320	2.269	11.8	18.2
8 19	22 48.08	− 4 22.3	1.277	2.267	7.0	17.9
8 29	22 39.08	− 5 22.6	1.257	2.265	2.0	17.6
9 8	22 29.79	− 6 28.0	1.263	2.263	4.1	17.8
9 18	22 21.48	− 7 30.2	1.294	2.261	9.1	18.0
9 28	22 15.25	− 8 21.8	1.349	2.259	13.8	18.3
10 8	22 11.82	− 8 58.1	1.423	2.258	17.7	18.6

146899 2002 CS_{75} 8 30.9 259.°09 1.°3/29.5 18

7 30	22 57.84	−10 31.6	2.182	3.071	10.9	20.6
8 9	22 52.85	−11 11.7	2.110	3.064	7.7	20.4
8 19	22 46.30	−11 58.4	2.062	3.057	4.2	20.2
8 29	22 38.79	−12 46.8	2.042	3.050	1.3	20.0
9 8	22 31.07	−13 31.9	2.050	3.043	3.9	20.1
9 18	22 23.95	−14 9.1	2.085	3.036	7.4	20.3
9 28	22 18.17	−14 35.0	2.146	3.028	10.7	20.5
10 8	22 14.27	−14 47.9	2.229	3.021	13.5	20.7

148229 2000 DN_{102} 8 30.9 189.°56 2.°8/28.4 18

7 30	23 1.87	−13 23.2	1.717	2.614	12.9	20.6
8 9	22 56.05	−14 19.7	1.656	2.614	9.1	20.4
8 19	22 48.20	−15 21.7	1.618	2.613	5.2	20.2
8 29	22 39.10	−16 22.3	1.607	2.612	2.8	20.0
9 8	22 29.81	−17 14.0	1.623	2.610	5.6	20.2
9 18	22 21.39	−17 51.5	1.666	2.609	9.6	20.4
9 28	22 14.80	−18 11.5	1.732	2.606	13.2	20.6
10 8	22 10.64	−18 13.5	1.818	2.604	16.3	20.9

329949 2005 QM_{46} 8 30.9 36.°75 2.°5/29.0 17

7 30	22 59.13	−10 52.5	1.158	2.074	16.3	20.6
8 9	22 54.51	−11 53.1	1.120	2.087	11.5	20.3
8 19	22 47.43	−13 3.3	1.103	2.101	6.3	20.1
8 29	22 38.97	−14 13.5	1.108	2.116	2.5	19.9
9 8	22 30.51	−15 13.8	1.138	2.131	6.1	20.2
9 18	22 23.37	−15 56.8	1.191	2.148	11.0	20.5
9 28	22 18.61	−16 18.7	1.265	2.164	15.3	20.8
10 8	22 16.75	−16 19.1	1.357	2.182	18.9	21.1

515202 2011 UV_{414} 8 30.9 83.°29 2.°6/28.5 18

7 30	22 59.91	−14 41.4	2.027	2.922	11.3	21.2
8 9	22 54.35	−15 18.6	1.969	2.926	8.0	21.0
8 19	22 47.12	−15 58.4	1.935	2.929	4.6	20.8
8 29	22 38.93	−16 35.7	1.929	2.933	2.6	20.6
9 8	22 30.63	−17 5.2	1.950	2.936	4.9	20.8
9 18	22 23.11	−17 23.4	1.998	2.940	8.3	21.0
9 28	22 17.12	−17 28.0	2.071	2.943	11.5	21.2
10 8	22 13.18	−17 18.6	2.165	2.947	14.2	21.4

429520 2011 BG_{53} 8 30.9 287°.78 1°.9/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.13	−10 18.9	1.458	2.360	14.4	21.2
8 9	22 55.15	−11 10.5	1.391	2.352	10.3	20.9
8 19	22 47.86	−12 12.6	1.347	2.343	5.7	20.6
8 29	22 39.08	−13 17.9	1.327	2.335	1.9	20.4
9 8	22 29.97	−14 17.9	1.333	2.327	5.4	20.6
9 18	22 21.77	−15 5.3	1.364	2.319	10.1	20.9
9 28	22 15.57	−15 35.2	1.418	2.311	14.4	21.1
10 8	22 12.10	−15 45.7	1.491	2.303	18.1	21.3

41185 1999 VJ_{200} 8 30.9 184°.79 0°.6/31.8 18

7 30	22 55.39	− 2 38.2	2.716	3.577	9.9	18.7
8 9	22 50.84	− 3 34.9	2.640	3.577	7.2	18.5
8 19	22 45.10	− 4 42.4	2.589	3.576	4.2	18.3
8 29	22 38.62	− 5 57.0	2.567	3.576	1.1	18.1
9 8	22 31.99	− 7 13.9	2.575	3.574	2.5	18.2
9 18	22 25.82	− 8 28.2	2.613	3.573	5.6	18.4
9 28	22 20.67	− 9 35.5	2.679	3.571	8.4	18.6
10 8	22 16.97	−10 32.3	2.769	3.569	10.9	18.8

286801 2002 JC_{134} 8 30.9 30°.74 5°.8/ 4.9 17

7 30	22 56.96	+ 7 5.2	1.375	2.229	18.0	19.8
8 9	22 52.76	+ 7 7.1	1.322	2.240	14.3	19.6
8 19	22 46.43	+ 6 42.4	1.288	2.253	10.3	19.4
8 29	22 38.84	+ 5 53.0	1.276	2.266	6.8	19.2
9 8	22 31.12	+ 4 44.8	1.288	2.279	6.0	19.2
9 18	22 24.40	+ 3 26.3	1.325	2.294	8.7	19.4
9 28	22 19.66	+ 2 7.3	1.385	2.309	12.4	19.7
10 8	22 17.48	+ 0 56.1	1.466	2.325	15.9	19.9

280049 2002 AD_{136} 8 30.9 212°.24 0°.9/30.1 18

7 30	22 59.63	− 8 8.5	1.814	2.702	12.8	21.0
8 9	22 54.39	− 8 58.8	1.745	2.699	9.1	20.8
8 19	22 47.27	− 9 59.5	1.701	2.695	5.0	20.5
8 29	22 38.98	−11 4.7	1.682	2.692	1.0	20.2
9 8	22 30.46	−12 7.6	1.692	2.688	4.1	20.5
9 18	22 22.68	−13 2.1	1.728	2.683	8.3	20.7
9 28	22 16.53	−13 43.3	1.789	2.679	12.1	20.9
10 8	22 12.62	−14 8.8	1.872	2.674	15.3	21.1

287184 2002 RW_{272} 8 30.9 20°.53 0°.3/31.1 18

7 30	23 2.13	− 7 27.6	1.632	2.519	14.0	20.3
8 9	22 56.25	− 7 25.8	1.570	2.522	10.1	20.0
8 19	22 48.31	− 7 33.1	1.532	2.524	5.7	19.8
8 29	22 39.16	− 7 45.8	1.518	2.528	1.1	19.5
9 8	22 29.85	− 7 59.4	1.532	2.531	3.7	19.7
9 18	22 21.48	− 8 9.6	1.572	2.535	8.2	20.0
9 28	22 14.99	− 8 12.9	1.636	2.539	12.2	20.2
10 8	22 10.97	− 8 6.9	1.721	2.543	15.6	20.5

117981 2067 $T\text{-}_{1}$ 8 30.9 162°.44 2°.3/29.1 18

7 30	23 3.82	−12 5.9	1.558	2.455	14.0	19.7
8 9	22 57.56	−12 52.3	1.501	2.459	9.9	19.5
8 19	22 49.10	−13 45.5	1.466	2.462	5.5	19.2
8 29	22 39.29	−14 38.3	1.458	2.465	2.3	19.0
9 8	22 29.32	−15 23.4	1.476	2.467	5.4	19.2
9 18	22 20.38	−15 55.1	1.520	2.469	9.8	19.5
9 28	22 13.48	−16 10.2	1.587	2.470	13.7	19.8
10 8	22 9.24	−16 8.1	1.675	2.472	17.0	20.0

120806 1998 GE_{6} 8 30.9 125°.73 7°.7/23.4 18

7 30	23 3.45	−28 23.8	1.865	2.760	12.1	19.7
8 9	22 57.09	−29 48.0	1.828	2.770	9.6	19.6
8 19	22 48.72	−31 2.8	1.816	2.779	7.9	19.5
8 29	22 39.21	−31 59.8	1.829	2.788	8.0	19.5
9 8	22 29.68	−32 33.0	1.868	2.796	9.8	19.6
9 18	22 21.20	−32 40.3	1.930	2.805	12.2	19.8
9 28	22 14.67	−32 22.6	2.015	2.812	14.6	20.0
10 8	22 10.62	−31 43.4	2.117	2.820	16.7	20.2

28566 2000 EV_{59} 8 30.9 294°.72 0°.5/30.6 18 R

7 30	23 1.32	− 7 21.0	1.206	2.109	16.7	19.1
8 9	22 56.45	− 7 52.7	1.136	2.096	12.1	18.8
8 19	22 48.80	− 8 39.8	1.087	2.083	6.8	18.5
8 29	22 39.28	− 9 35.8	1.061	2.071	1.1	18.1
9 8	22 29.25	−10 31.8	1.059	2.058	5.1	18.3
9 18	22 20.23	−11 19.1	1.081	2.046	10.8	18.6
9 28	22 13.60	−11 51.0	1.124	2.033	16.0	18.9
10 8	22 10.18	−12 4.0	1.185	2.022	20.3	19.1

115115 2003 SX_{39} 8 30.9 261°.39 0°.3/30.6 18

7 30	23 2.77	− 8 55.2	1.911	2.794	12.5	19.9
8 9	22 56.63	− 9 3.6	1.831	2.781	9.0	19.6
8 19	22 48.55	− 9 19.1	1.775	2.768	5.0	19.4
8 29	22 39.21	− 9 38.2	1.746	2.755	0.8	19.0
9 8	22 29.57	− 9 56.2	1.744	2.742	3.7	19.2
9 18	22 20.61	−10 9.3	1.770	2.728	7.9	19.5
9 28	22 13.28	−10 14.1	1.822	2.715	11.8	19.7
10 8	22 8.22	−10 8.7	1.895	2.701	15.0	19.9

384509 2010 CR_{138} 8 30.9 301°.74 1°.2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.61	− 8 40.6	1.518	2.417	14.1	21.2
8 9	22 54.08	− 9 25.7	1.441	2.400	10.2	20.9
8 19	22 47.31	−10 23.0	1.387	2.383	5.6	20.6
8 29	22 39.03	−11 26.4	1.357	2.366	1.3	20.3
9 8	22 30.33	−12 27.8	1.353	2.349	4.8	20.5
9 18	22 22.38	−13 20.0	1.374	2.333	9.6	20.8
9 28	22 16.30	−13 56.9	1.419	2.317	14.1	21.0
10 8	22 12.84	−14 15.6	1.483	2.301	17.9	21.2

107442 2001 DR_{17} 8 30.9 48°.88 3°.7/27.5 18

7 30	22 57.98	−13 10.4	1.435	2.346	14.0	18.7
8 9	22 53.32	−14 47.3	1.403	2.368	9.8	18.5
8 19	22 46.65	−16 29.2	1.394	2.390	5.6	18.4
8 29	22 38.88	−18 6.0	1.410	2.413	3.7	18.3
9 8	22 31.15	−19 28.1	1.452	2.436	6.6	18.5
9 18	22 24.52	−20 29.0	1.519	2.459	10.5	18.8
9 28	22 19.87	−21 5.8	1.609	2.483	14.1	19.1
10 8	22 17.69	−21 19.2	1.718	2.507	17.0	19.4

237582 2001 EP_{14} 8 30.9 175°.87 3°.8/26.7 18

7 30	22 59.17	−16 44.2	2.119	3.017	10.8	20.3
8 9	22 53.86	−18 5.6	2.062	3.019	7.7	20.1
8 19	22 46.90	−19 29.4	2.029	3.020	4.8	19.9
8 29	22 38.94	−20 48.5	2.025	3.021	3.9	19.9
9 8	22 30.81	−21 56.1	2.049	3.022	6.0	20.0
9 18	22 23.37	−22 47.3	2.100	3.022	9.1	20.2
9 28	22 17.39	−23 19.7	2.175	3.022	12.0	20.4
10 8	22 13.41	−23 33.0	2.271	3.021	14.5	20.6

198265 2004 TH_{261} 8 30.9 27°.81 5°.2/ 4.6 16

7 30	22 54.10	+ 6 53.4	1.135	2.006	19.9	20.0
8 9	22 50.95	+ 6 19.1	1.091	2.022	15.5	19.8
8 19	22 45.50	+ 5 12.6	1.065	2.039	10.8	19.6
8 29	22 38.72	+ 3 38.7	1.060	2.057	6.4	19.4
9 8	22 31.87	+ 1 47.7	1.079	2.076	5.5	19.4
9 18	22 26.18	− 0 7.9	1.121	2.096	9.1	19.7
9 28	22 22.66	− 1 55.3	1.185	2.117	13.4	20.0
10 8	22 21.85	− 3 25.4	1.270	2.139	17.2	20.3

440917 2006 VM_{141} 8 30.9 285°.92 3°.1/28.0 16

7 30	22 59.59	−15 41.0	1.979	2.877	11.4	21.6
8 9	22 54.26	−16 24.3	1.913	2.871	8.1	21.4
8 19	22 47.17	−17 10.2	1.872	2.865	4.8	21.2
8 29	22 38.99	−17 52.9	1.857	2.859	3.1	21.0
9 8	22 30.63	−18 26.8	1.870	2.853	5.4	21.2
9 18	22 23.00	−18 47.7	1.909	2.847	8.8	21.4
9 28	22 16.91	−18 53.3	1.973	2.842	12.1	21.6
10 8	22 12.95	−18 43.4	2.057	2.836	14.9	21.8

316058 2009 HA_{61} 8 30.9 186°.53 1°.8/ 1.3 17

7 30	23 2.76	− 2 2.1	1.592	2.464	15.1	21.6
8 9	22 56.83	− 2 22.7	1.523	2.464	11.2	21.4
8 19	22 48.73	− 2 59.5	1.477	2.464	6.8	21.1
8 29	22 39.26	− 3 48.7	1.456	2.463	2.4	20.8
9 8	22 29.52	− 4 44.0	1.462	2.461	3.8	20.9
9 18	22 20.67	− 5 38.7	1.494	2.460	8.3	21.2
9 28	22 13.72	− 6 26.2	1.551	2.457	12.6	21.5
10 8	22 9.35	− 7 1.9	1.629	2.454	16.2	21.7

316037 2009 FK_{71} 8 30.9 69°.10 2°.1/29.2 17

7 30	23 0.05	− 9 25.4	1.308	2.214	15.5	20.3
8 9	22 55.10	−10 38.9	1.260	2.222	11.0	20.0
8 19	22 47.80	−12 4.4	1.233	2.230	6.0	19.8
8 29	22 39.10	−13 32.3	1.230	2.238	2.1	19.5
9 8	22 30.27	−14 52.4	1.253	2.247	5.7	19.8
9 18	22 22.57	−15 56.2	1.301	2.255	10.5	20.1
9 28	22 17.08	−16 38.7	1.370	2.263	14.8	20.4
10 8	22 14.38	−16 58.4	1.459	2.272	18.4	20.6

312998 1999 TL_{250} 8 30.9 352°.92 0°.0/30.9 18

7 30	23 0.22	− 8 10.1	1.766	2.655	13.0	19.6
8 9	22 54.81	− 8 8.2	1.699	2.651	9.4	19.4
8 19	22 47.51	− 8 14.0	1.655	2.648	5.3	19.1
8 29	22 39.05	− 8 24.3	1.637	2.646	0.9	18.8
9 8	22 30.41	− 8 34.9	1.645	2.644	3.6	19.0
9 18	22 22.56	− 8 41.9	1.680	2.643	7.8	19.3
9 28	22 16.41	− 8 42.0	1.740	2.642	11.7	19.5
10 8	22 12.53	− 8 33.2	1.821	2.642	14.9	19.7

354500 2004 OO_{14} 8 30.9 30°.76 5°.4/25.5 18

7 30	22 56.06	−18 33.4	1.551	2.467	12.9	19.6
8 9	22 51.95	−20 13.0	1.517	2.481	9.2	19.4
8 19	22 45.92	−21 52.3	1.506	2.496	6.2	19.3
8 29	22 38.79	−23 21.2	1.521	2.512	5.6	19.3
9 8	22 31.63	−24 31.4	1.561	2.529	8.1	19.4
9 18	22 25.46	−25 17.7	1.626	2.547	11.3	19.7
9 28	22 21.14	−25 38.6	1.712	2.565	14.4	19.9
10 8	22 19.16	−25 35.8	1.817	2.583	17.0	20.2

138975 2001 CT_{25} 8 30.9 153°.73 2°.0/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.68	−11 10.1	1.645	2.539	13.5	20.9
8 9	22 56.65	−12 3.1	1.588	2.544	9.6	20.7
8 19	22 48.56	−13 3.6	1.554	2.550	5.3	20.4
8 29	22 39.23	−14 4.7	1.547	2.554	2.0	20.2
9 8	22 29.75	−14 59.0	1.567	2.558	5.1	20.4
9 18	22 21.23	−15 40.6	1.613	2.562	9.3	20.7
9 28	22 14.61	−16 6.0	1.683	2.565	13.1	20.9
10 8	22 10.49	−16 14.0	1.774	2.568	16.3	21.2

207481 2006 HC_{31} 8 30.9 143°.02 0°.0/30.9 17

7 30	23 3.11	− 5 57.7	1.461	2.348	15.3	20.7
8 9	22 57.15	− 6 32.5	1.403	2.354	11.0	20.5
8 19	22 48.91	− 7 20.8	1.366	2.359	6.2	20.2
8 29	22 39.29	− 8 16.8	1.355	2.364	1.0	19.9
9 8	22 29.50	− 9 12.9	1.370	2.369	4.2	20.1
9 18	22 20.74	−10 2.2	1.411	2.373	9.1	20.4
9 28	22 14.09	−10 39.0	1.476	2.377	13.4	20.7
10 8	22 10.15	−11 0.3	1.561	2.381	17.0	21.0

214866 2007 EZ_{124} 8 30.9 127°.52 5°.0/27.0 18

7 30	23 6.33	−21 22.1	1.813	2.708	12.4	19.5
8 9	22 59.06	−22 1.5	1.765	2.718	9.1	19.3
8 19	22 49.79	−22 37.1	1.741	2.727	6.1	19.2
8 29	22 39.41	−23 2.3	1.745	2.736	5.1	19.1
9 8	22 29.05	−23 11.9	1.775	2.744	7.1	19.3
9 18	22 19.78	−23 3.6	1.831	2.753	10.3	19.5
9 28	22 12.50	−22 37.4	1.912	2.761	13.3	19.7
10 8	22 7.72	−21 55.6	2.012	2.768	15.9	19.9

137238 1999 RN_{29} 8 30.9 300°.62 7°.6/ 6.8 18

7 30	22 56.73	+13 57.9	1.460	2.275	19.1	19.2
8 9	22 53.19	+13 22.9	1.345	2.234	16.2	18.9
8 19	22 47.12	+12 7.9	1.248	2.192	12.6	18.5
8 29	22 39.08	+10 9.3	1.172	2.150	9.1	18.2
9 8	22 30.07	+ 7 30.0	1.121	2.108	7.6	18.0
9 18	22 21.40	+ 4 20.3	1.096	2.065	10.1	18.0
9 28	22 14.49	+ 0 57.5	1.096	2.021	14.8	18.2
10 8	22 10.47	− 2 19.5	1.118	1.978	19.7	18.3

487153 2014 OE_{222} 8 30.9 293°.83 4°.7/25.6 17

7 30	22 57.78	−21 23.2	2.234	3.135	10.2	21.4
8 9	22 52.85	−22 27.6	2.174	3.129	7.5	21.2
8 19	22 46.35	−23 30.5	2.140	3.124	5.3	21.1
8 29	22 38.88	−24 25.5	2.132	3.118	4.9	21.0
9 8	22 31.26	−25 7.1	2.152	3.113	6.7	21.1
9 18	22 24.28	−25 31.9	2.198	3.107	9.4	21.3
9 28	22 18.70	−25 38.3	2.267	3.102	12.0	21.5
10 8	22 15.03	−25 26.8	2.357	3.097	14.3	21.6

444999 2008 GG_{101} 8 30.9 81°.52 1°.0/29.9 18

7 30	22 58.22	− 9 42.6	2.157	3.044	11.1	21.4
8 9	22 53.03	−10 21.0	2.103	3.056	7.8	21.2
8 19	22 46.37	−11 5.7	2.074	3.069	4.2	21.0
8 29	22 38.88	−11 52.0	2.072	3.081	1.1	20.8
9 8	22 31.33	−12 35.0	2.099	3.094	3.6	21.0
9 18	22 24.49	−13 10.5	2.153	3.106	7.1	21.2
9 28	22 19.04	−13 35.3	2.233	3.119	10.2	21.5
10 8	22 15.43	−13 47.9	2.336	3.131	12.8	21.7

40890 1999 TE_{133} 8 30.9 180°.10 0°.0/30.7 18

7 30	22 57.75	− 6 49.1	2.592	3.465	9.9	19.7
8 9	22 52.57	− 7 18.3	2.521	3.466	7.1	19.5
8 19	22 46.09	− 7 54.9	2.475	3.466	4.0	19.3
8 29	22 38.84	− 8 35.5	2.457	3.466	0.6	19.1
9 8	22 31.46	− 9 16.2	2.468	3.466	2.7	19.2
9 18	22 24.59	− 9 53.2	2.509	3.466	6.0	19.5
9 28	22 18.86	−10 23.3	2.576	3.465	8.9	19.7
10 8	22 14.70	−10 44.3	2.667	3.464	11.4	19.8

511230 2014 BK_{10} 8 30.9 135°.99 8°.3/19.8 18

7 30	23 3.20	−35 5.5	2.409	3.284	10.5	21.9
8 9	22 56.71	−36 51.6	2.385	3.299	9.0	21.8
8 19	22 48.47	−38 24.9	2.387	3.313	8.3	21.8
8 29	22 39.22	−39 37.9	2.415	3.326	8.8	21.8
9 8	22 29.90	−40 26.1	2.469	3.339	10.1	21.9
9 18	22 21.42	−40 47.8	2.546	3.351	11.8	22.1
9 28	22 14.60	−40 44.5	2.643	3.363	13.4	22.2
10 8	22 9.96	−40 19.6	2.758	3.374	14.8	22.4

373398 1995 SY_{9} 8 30.9 351°.04 2°.7/29.6 13 C

7 30	23 0.48	−13 38.9	0.986	1.911	17.6	20.5
8 9	22 56.12	−13 41.4	0.931	1.902	12.6	20.2
8 19	22 48.69	−13 49.3	0.895	1.894	7.1	19.9
8 29	22 39.30	−13 55.4	0.880	1.888	2.7	19.6
9 8	22 29.59	−13 52.5	0.887	1.884	6.5	19.8
9 18	22 21.27	−13 35.8	0.915	1.881	12.2	20.1
9 28	22 15.74	−13 3.0	0.963	1.879	17.3	20.4
10 8	22 13.76	−12 14.4	1.028	1.880	21.6	20.7

100761 1998 FT_{10} 8 30.9 34°.76 2°.4/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.21	−13 18.1	1.023	1.940	17.8	18.6
8 9	22 59.03	−13 22.3	0.989	1.955	12.7	18.4
8 19	22 50.00	−13 31.6	0.973	1.971	7.0	18.1
8 29	22 39.47	−13 39.0	0.980	1.988	2.4	17.9
9 8	22 29.11	−13 38.1	1.011	2.007	6.1	18.2
9 18	22 20.46	−13 24.9	1.064	2.026	11.3	18.6
9 28	22 14.68	−12 58.1	1.137	2.045	16.0	18.9
10 8	22 12.25	−12 18.2	1.229	2.066	19.7	19.2

100095 1993 FN_{13} 8 30.9 50°.73 0°.4/30.6 18

7 30	22 58.37	− 5 19.7	1.313	2.211	15.9	19.1
8 9	22 53.85	− 6 25.6	1.265	2.222	11.4	18.8
8 19	22 47.09	− 7 47.7	1.238	2.234	6.3	18.6
8 29	22 39.02	− 9 17.9	1.236	2.246	0.9	18.3
9 8	22 30.85	−10 46.0	1.259	2.258	4.5	18.6
9 18	22 23.78	−12 2.6	1.307	2.270	9.5	18.9
9 28	22 18.81	−13 1.2	1.378	2.283	13.9	19.2
10 8	22 16.51	−13 38.7	1.469	2.296	17.6	19.5

316001 2009 EN_{4} 8 30.9 101°.77 2°.1/29.2 17

7 30	23 2.52	−10 15.9	1.397	2.298	15.0	20.7
8 9	22 56.72	−11 19.7	1.350	2.310	10.6	20.4
8 19	22 48.65	−12 32.8	1.326	2.322	5.8	20.2
8 29	22 39.27	−13 47.0	1.327	2.334	2.1	20.0
9 8	22 29.82	−14 53.0	1.353	2.346	5.5	20.3
9 18	22 21.54	−15 44.0	1.405	2.358	10.1	20.6
9 28	22 15.42	−16 15.7	1.481	2.369	14.2	20.8
10 8	22 12.06	−16 27.3	1.575	2.380	17.6	21.1

44350 1998 RY_{78} 8 30.9 236°.25 1°.9/28.6 18

7 30	22 56.83	−12 44.0	2.430	3.321	9.8	18.5
8 9	22 52.04	−13 35.2	2.360	3.316	6.9	18.3
8 19	22 45.86	−14 31.0	2.315	3.310	3.9	18.1
8 29	22 38.82	−15 26.6	2.299	3.304	2.0	17.9
9 8	22 31.61	−16 17.0	2.311	3.298	4.1	18.1
9 18	22 24.94	−16 58.1	2.351	3.293	7.2	18.3
9 28	22 19.46	−17 26.7	2.416	3.286	10.1	18.5
10 8	22 15.66	−17 41.8	2.504	3.280	12.6	18.6

197149 2003 US_{263} 8 30.9 273°.89 3°.4/27.7 18

7 30	22 59.30	−15 9.7	1.823	2.724	12.0	20.1
8 9	22 54.25	−16 11.4	1.754	2.713	8.6	19.9
8 19	22 47.28	−17 17.7	1.709	2.703	5.1	19.6
8 29	22 39.07	−18 21.4	1.690	2.692	3.4	19.5
9 8	22 30.58	−19 15.5	1.698	2.681	6.0	19.7
9 18	22 22.82	−19 54.3	1.733	2.670	9.7	19.9
9 28	22 16.71	−20 14.8	1.791	2.659	13.2	20.1
10 8	22 12.88	−20 16.3	1.869	2.648	16.2	20.2

516064 2015 TJ_{203} 8 30.9 335°.04 14°.8/14.7 18

7 30	23 11.25	−50 45.4	1.825	2.648	15.5	20.0
8 9	23 3.41	−51 56.3	1.791	2.634	14.9	19.9
8 19	22 52.50	−52 39.6	1.776	2.621	14.8	19.9
8 29	22 39.88	−52 46.4	1.781	2.608	15.4	19.9
9 8	22 27.38	−52 12.5	1.805	2.596	16.5	19.9
9 18	22 16.69	−50 59.2	1.846	2.585	17.9	20.0
9 28	22 9.05	−49 12.1	1.903	2.575	19.3	20.1
10 8	22 4.99	−46 59.0	1.975	2.565	20.6	20.2

387022 2012 SS 8 30.9 329°.47 2°.0/31.9 18

7 30	23 3.19	− 5 27.9	1.367	2.256	16.0	19.2
8 9	22 57.58	− 4 53.3	1.291	2.241	11.9	18.9
8 19	22 49.37	− 4 29.2	1.237	2.227	7.2	18.6
8 29	22 39.43	− 4 13.9	1.207	2.214	2.5	18.3
9 8	22 29.02	− 4 4.3	1.201	2.201	4.3	18.4
9 18	22 19.53	− 3 56.6	1.221	2.189	9.4	18.7
9 28	22 12.22	− 3 46.7	1.263	2.178	14.1	18.9
10 8	22 7.90	− 3 31.1	1.326	2.168	18.2	19.1

314299 2005 ST_{100} 8 30.9 242°.70 0°.1/30.8 18

7 30	22 59.12	− 7 40.1	2.281	3.159	10.9	21.4
8 9	22 53.75	− 8 0.0	2.205	3.152	7.8	21.2
8 19	22 46.84	− 8 27.4	2.153	3.145	4.4	20.9
8 29	22 38.99	− 8 58.8	2.128	3.138	0.7	20.6
9 8	22 30.94	− 9 30.1	2.133	3.130	3.1	20.8
9 18	22 23.46	− 9 57.5	2.165	3.123	6.7	21.1
9 28	22 17.28	−10 17.5	2.224	3.115	10.0	21.2
10 8	22 12.92	−10 27.9	2.305	3.107	12.8	21.4

219884 2002 EH_{49} 8 30.9 34°.37 2°.2/29.7 18

7 30	23 9.37	−16 10.4	1.674	2.564	13.5	19.1
8 9	23 1.17	−15 44.0	1.626	2.580	9.6	18.9
8 19	22 50.92	−15 16.7	1.602	2.596	5.4	18.7
8 29	22 39.63	−14 45.1	1.605	2.612	2.2	18.6
9 8	22 28.49	−14 6.7	1.637	2.629	4.8	18.8
9 18	22 18.62	−13 20.8	1.696	2.647	8.8	19.1
9 28	22 10.93	−12 27.7	1.781	2.665	12.4	19.3
10 8	22 5.89	−11 28.4	1.887	2.684	15.4	19.6

46161 2001 FK_{78} 8 30.9 203°.64 1°.1/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.35	− 2 0.7	2.378	3.237	11.2	20.2
8 9	22 53.16	− 2 43.5	2.297	3.232	8.3	20.0
8 19	22 46.51	− 3 38.7	2.242	3.227	4.9	19.8
8 29	22 38.94	− 4 42.8	2.214	3.221	1.6	19.6
9 8	22 31.17	− 5 50.8	2.215	3.214	2.8	19.7
9 18	22 23.90	− 6 57.5	2.245	3.207	6.2	19.9
9 28	22 17.85	− 7 57.8	2.303	3.199	9.5	20.1
10 8	22 13.52	− 8 48.0	2.384	3.191	12.3	20.2

25690 Iredale 8 30.9 191°.44 1°.1/ 1.0 18

7 30	22 58.00	− 2 36.7	1.970	2.841	12.7	18.9
8 9	22 53.11	− 3 14.6	1.900	2.841	9.3	18.7
8 19	22 46.54	− 4 6.2	1.852	2.840	5.5	18.5
8 29	22 38.95	− 5 7.3	1.832	2.839	1.7	18.2
9 8	22 31.16	− 6 12.3	1.839	2.838	3.1	18.3
9 18	22 24.02	− 7 15.2	1.873	2.837	7.1	18.5
9 28	22 18.34	− 8 10.3	1.934	2.836	10.7	18.8
10 8	22 14.67	− 8 53.7	2.017	2.835	13.8	19.0

92431 2000 JO_{65} 8 30.9 37°.18 4°.1/27.9 18

7 30	22 57.90	−11 40.5	0.974	1.899	17.6	18.6
8 9	22 54.00	−13 21.3	0.940	1.912	12.3	18.3
8 19	22 47.33	−15 12.7	0.926	1.926	6.9	18.1
8 29	22 39.07	−17 0.5	0.935	1.940	4.1	18.0
9 8	22 30.80	−18 30.9	0.966	1.955	7.9	18.2
9 18	22 24.02	−19 34.4	1.019	1.971	13.0	18.6
9 28	22 19.87	−20 7.2	1.091	1.988	17.5	18.9
10 8	22 18.90	−20 10.5	1.180	2.005	21.1	19.2

323630 2004 VR_{91} 8 30.9 296°.20 6°.5/24.8 17

7 30	23 3.75	−27 48.8	2.148	3.038	11.0	20.6
8 9	22 57.32	−28 30.6	2.075	3.016	8.6	20.4
8 19	22 48.94	−29 5.2	2.026	2.994	6.9	20.2
8 29	22 39.35	−29 26.0	2.004	2.972	6.7	20.2
9 8	22 29.50	−29 28.0	2.008	2.950	8.4	20.2
9 18	22 20.41	−29 8.8	2.038	2.929	10.9	20.4
9 28	22 13.00	−28 28.8	2.091	2.907	13.6	20.5
10 8	22 7.88	−27 30.4	2.164	2.885	15.9	20.6

515283 2012 TV_{193} 8 30.9 241°.83 0°.7/31.7 18

7 30	22 59.51	− 3 54.5	2.288	3.153	11.3	22.5
8 9	22 54.12	− 4 28.2	2.197	3.136	8.3	22.3
8 19	22 47.12	− 5 13.4	2.131	3.119	4.9	22.0
8 29	22 39.06	− 6 6.7	2.092	3.101	1.3	21.7
9 8	22 30.68	− 7 3.3	2.083	3.082	2.9	21.8
9 18	22 22.77	− 7 58.2	2.102	3.062	6.7	22.0
9 28	22 16.12	− 8 46.5	2.148	3.042	10.2	22.2
10 8	22 11.31	− 9 24.6	2.217	3.021	13.2	22.4

195424 2002 GN_{49} 8 30.9 144°.24 4°.1/ 3.8 18

7 30	23 0.44	+ 4 54.3	1.966	2.802	14.1	20.7
8 9	22 54.83	+ 4 52.9	1.897	2.808	11.0	20.5
8 19	22 47.49	+ 4 33.4	1.850	2.815	7.7	20.3
8 29	22 39.10	+ 3 57.6	1.829	2.820	4.8	20.2
9 8	22 30.54	+ 3 9.3	1.834	2.826	4.5	20.2
9 18	22 22.70	+ 2 13.8	1.867	2.831	7.1	20.3
9 28	22 16.38	+ 1 17.5	1.927	2.836	10.3	20.5
10 8	22 12.14	+ 0 25.8	2.009	2.840	13.3	20.8

400456 2008 FC_{35} 8 30.9 54°.49 1°.5/ 1.6 18

7 30	22 55.79	− 0 35.8	1.979	2.846	12.8	20.9
8 9	22 51.48	− 1 24.0	1.915	2.852	9.5	20.7
8 19	22 45.60	− 2 27.5	1.874	2.859	5.8	20.5
8 29	22 38.80	− 3 41.9	1.860	2.866	2.1	20.3
9 8	22 31.85	− 5 1.2	1.873	2.873	3.0	20.4
9 18	22 25.58	− 6 18.7	1.914	2.880	6.8	20.6
9 28	22 20.70	− 7 28.2	1.981	2.887	10.3	20.8
10 8	22 17.72	− 8 25.4	2.071	2.894	13.3	21.1

443451 2014 HU_{163} 8 30.9 65°.03 1°.9/ 1.7 18

7 30	22 59.10	− 1 34.1	1.830	2.699	13.6	21.1
8 9	22 53.92	− 1 48.6	1.768	2.706	10.1	20.9
8 19	22 46.99	− 2 17.1	1.730	2.714	6.2	20.6
8 29	22 39.03	− 2 56.4	1.717	2.722	2.5	20.4
9 8	22 30.94	− 3 41.5	1.731	2.730	3.4	20.5
9 18	22 23.63	− 4 26.9	1.772	2.738	7.2	20.8
9 28	22 17.91	− 5 7.4	1.838	2.746	10.8	21.0
10 8	22 14.33	− 5 38.8	1.927	2.755	14.0	21.2

511113 2013 WM_{18} 8 30.9 335°.59 0°.2/30.7 18

7 30	22 55.93	− 7 15.4	1.076	1.992	17.2	20.7
8 9	22 52.80	− 7 37.5	1.007	1.973	12.5	20.3
8 19	22 46.89	− 8 16.0	0.958	1.956	7.1	20.0
8 29	22 39.07	− 9 4.9	0.930	1.939	1.1	19.5
9 8	22 30.71	− 9 55.2	0.924	1.924	5.1	19.8
9 18	22 23.36	−10 37.9	0.940	1.911	11.1	20.1
9 28	22 18.40	−11 5.3	0.977	1.899	16.5	20.3
10 8	22 16.72	−11 13.4	1.030	1.889	21.1	20.6

272186 2005 PX_{19} 8 30.9 41°.02 1°.8/ 1.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.00	− 4 2.0	1.309	2.197	16.7	20.8
8 9	22 57.21	− 3 55.0	1.256	2.205	12.3	20.5
8 19	22 49.00	− 4 2.7	1.224	2.214	7.3	20.3
8 29	22 39.37	− 4 21.8	1.215	2.223	2.5	20.0
9 8	22 29.62	− 4 46.6	1.232	2.232	4.2	20.2
9 18	22 21.05	− 5 11.1	1.273	2.242	9.1	20.5
9 28	22 14.75	− 5 29.7	1.338	2.252	13.6	20.8
10 8	22 11.34	− 5 38.7	1.422	2.263	17.3	21.1

2181 Fogelin 8 30.9 203°.82 4°.8/26.7 18 R

7 30	23 4.90	−21 32.7	1.998	2.891	11.5	16.5
8 9	22 58.07	−22 15.1	1.937	2.888	8.5	16.3
8 19	22 49.33	−22 54.5	1.900	2.885	5.8	16.2
8 29	22 39.44	−23 24.5	1.891	2.881	4.9	16.1
9 8	22 29.41	−23 39.9	1.909	2.876	6.9	16.2
9 18	22 20.25	−23 37.8	1.954	2.872	9.9	16.4
9 28	22 12.85	−23 17.8	2.023	2.866	12.9	16.6
10 8	22 7.78	−22 41.5	2.112	2.861	15.5	16.8

347512 1999 RJ_{203} 8 30.9 335°.70 7°.5/ 4.4 18

7 30	23 2.01	+ 6 43.5	1.461	2.305	17.7	19.6
8 9	22 56.65	+ 7 51.5	1.385	2.294	14.4	19.3
8 19	22 48.85	+ 8 39.5	1.329	2.285	11.0	19.1
8 29	22 39.40	+ 9 4.6	1.296	2.276	8.1	18.9
9 8	22 29.45	+ 9 7.5	1.287	2.268	7.7	18.9
9 18	22 20.30	+ 8 51.5	1.302	2.261	10.1	19.0
9 28	22 13.16	+ 8 23.4	1.340	2.255	13.6	19.2
10 8	22 8.84	+ 7 51.1	1.399	2.249	17.0	19.4

518354 2017 DB_{40} 8 30.9 66°.22 0°.9/29.7 18

7 30	22 55.35	−10 36.8	2.900	3.783	8.7	21.5
8 9	22 50.72	−11 6.6	2.844	3.796	6.1	21.3
8 19	22 45.02	−11 40.3	2.815	3.809	3.3	21.2
8 29	22 38.73	−12 14.8	2.814	3.822	0.9	21.0
9 8	22 32.39	−12 46.7	2.842	3.835	2.9	21.2
9 18	22 26.56	−13 13.1	2.898	3.848	5.6	21.4
9 28	22 21.72	−13 31.7	2.981	3.862	8.1	21.6
10 8	22 18.25	−13 41.3	3.088	3.875	10.2	21.7

184903 2005 UW_{311} 8 30.9 118°.87 1°.1/ 1.2 18

7 30	22 57.32	− 2 30.7	2.379	3.242	11.1	20.7
8 9	22 52.33	− 3 4.7	2.316	3.252	8.1	20.6
8 19	22 46.01	− 3 49.6	2.277	3.263	4.8	20.4
8 29	22 38.90	− 4 42.0	2.266	3.273	1.6	20.2
9 8	22 31.71	− 5 37.4	2.284	3.283	2.7	20.3
9 18	22 25.11	− 6 31.1	2.330	3.293	6.0	20.5
9 28	22 19.72	− 7 18.8	2.404	3.303	9.0	20.7
10 8	22 16.00	− 7 57.4	2.501	3.312	11.6	20.9

83843 2001 UN_{36} 8 30.9 18°.67 5°.2/26.2 18

7 30	22 56.11	−17 32.3	1.402	2.321	13.7	18.0
8 9	22 52.22	−18 59.8	1.361	2.328	9.8	17.7
8 19	22 46.20	−20 28.8	1.343	2.336	6.3	17.6
8 29	22 38.94	−21 49.2	1.350	2.346	5.4	17.5
9 8	22 31.60	−22 51.9	1.381	2.356	8.1	17.7
9 18	22 25.31	−23 31.2	1.435	2.367	11.7	18.0
9 28	22 21.01	−23 45.1	1.511	2.379	15.2	18.2
10 8	22 19.24	−23 35.1	1.605	2.392	18.1	18.5

474393 2002 TU_{190} 8 30.9 329°.86 6°.9/ 3.3 17

7 30	23 0.69	+ 3 27.1	1.346	2.211	17.7	19.7
8 9	22 56.07	+ 4 42.9	1.255	2.181	14.3	19.4
8 19	22 48.76	+ 5 43.0	1.184	2.153	10.6	19.1
8 29	22 39.43	+ 6 24.3	1.136	2.125	7.5	18.9
9 8	22 29.27	+ 6 46.0	1.110	2.098	7.4	18.8
9 18	22 19.70	+ 6 50.2	1.108	2.073	10.7	18.9
9 28	22 12.18	+ 6 42.4	1.128	2.049	14.9	19.1
10 8	22 7.72	+ 6 29.9	1.167	2.026	19.1	19.2

366145 2012 DP_{97} 8 30.9 126°.96 1°.9/28.6 18

7 30	22 55.79	−11 38.6	2.395	3.286	9.9	20.7
8 9	22 51.31	−12 44.0	2.332	3.288	7.0	20.5
8 19	22 45.47	−13 54.8	2.296	3.291	3.9	20.3
8 29	22 38.82	−15 5.9	2.287	3.293	1.9	20.2
9 8	22 32.05	−16 11.6	2.307	3.295	4.1	20.4
9 18	22 25.82	−17 7.4	2.356	3.298	7.2	20.6
9 28	22 20.78	−17 49.9	2.430	3.300	10.1	20.8
10 8	22 17.40	−18 17.5	2.526	3.302	12.5	21.0

49118 1998 SL_{10} 8 30.9 238°.57 5°.5/ 5.9 18

7 30	22 57.41	+10 32.3	2.153	2.959	14.1	19.6
8 9	22 52.70	+10 24.0	2.066	2.950	11.5	19.4
8 19	22 46.37	+ 9 54.5	1.999	2.942	8.7	19.2
8 29	22 38.99	+ 9 4.2	1.958	2.933	6.3	19.1
9 8	22 31.32	+ 7 56.4	1.942	2.923	5.5	19.0
9 18	22 24.18	+ 6 36.5	1.955	2.914	7.2	19.1
9 28	22 18.35	+ 5 11.4	1.993	2.904	10.0	19.3
10 8	22 14.42	+ 3 48.5	2.056	2.894	12.8	19.4

376541 2012 TQ_{320} 8 30.9 69°.79 7°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.79	+11 15.4	1.717	2.527	16.9	19.9
8 9	22 56.09	+12 0.0	1.650	2.532	14.0	19.7
8 19	22 48.34	+12 21.2	1.602	2.538	11.0	19.5
8 29	22 39.31	+12 17.8	1.578	2.543	8.5	19.4
9 8	22 30.02	+11 51.4	1.578	2.549	7.7	19.4
9 18	22 21.53	+11 6.9	1.604	2.555	9.2	19.5
9 28	22 14.83	+10 11.5	1.654	2.560	11.9	19.7
10 8	22 10.55	+ 9 13.3	1.726	2.566	14.7	19.9

210018 2006 KR_{38} 8 30.9 51°.87 0°.9/31.5 17

7 30	23 3.48	− 5 20.0	1.131	2.030	17.9	19.8
8 9	22 57.70	− 5 31.3	1.089	2.045	13.0	19.6
8 19	22 49.32	− 5 58.2	1.067	2.061	7.4	19.4
8 29	22 39.46	− 6 35.1	1.068	2.077	1.7	19.0
9 8	22 29.61	− 7 14.2	1.093	2.093	4.5	19.3
9 18	22 21.20	− 7 48.3	1.141	2.110	9.9	19.7
9 28	22 15.34	− 8 11.6	1.212	2.127	14.6	20.0
10 8	22 12.59	− 8 20.9	1.301	2.144	18.5	20.3

227272 2005 SU_{133} 8 30.9 239°.35 1°.8/ 1.6 18

7 30	22 59.98	− 1 18.4	1.773	2.641	14.0	21.0
8 9	22 54.78	− 1 44.6	1.695	2.633	10.4	20.8
8 19	22 47.63	− 2 26.8	1.639	2.624	6.4	20.6
8 29	22 39.21	− 3 21.7	1.609	2.615	2.5	20.3
9 8	22 30.46	− 4 23.4	1.606	2.606	3.5	20.3
9 18	22 22.40	− 5 25.3	1.630	2.596	7.7	20.6
9 28	22 15.97	− 6 21.1	1.680	2.587	11.7	20.8
10 8	22 11.82	− 7 5.7	1.751	2.576	15.2	21.0

256445 2007 CC_{36} 8 30.9 337°.82 1°.0/30.0 18

7 30	22 56.54	− 8 42.0	1.807	2.701	12.5	20.5
8 9	22 52.24	− 9 25.4	1.738	2.695	8.9	20.3
8 19	22 46.16	−10 18.4	1.693	2.689	4.9	20.0
8 29	22 38.96	−11 15.6	1.674	2.683	1.1	19.7
9 8	22 31.54	−12 10.7	1.681	2.677	4.1	19.9
9 18	22 24.81	−12 57.7	1.715	2.673	8.2	20.2
9 28	22 19.62	−13 32.2	1.773	2.668	11.9	20.4
10 8	22 16.57	−13 51.5	1.853	2.664	15.1	20.6

307998 2004 RF_{98} 8 30.9 210°.39 4°.0/ 3.0 17

7 30	23 2.63	+ 3 2.8	1.526	2.382	16.5	20.4
8 9	22 56.93	+ 2 57.7	1.452	2.378	12.8	20.1
8 19	22 48.94	+ 2 31.3	1.399	2.373	8.6	19.9
8 29	22 39.44	+ 1 45.5	1.370	2.369	4.8	19.7
9 8	22 29.56	+ 0 45.6	1.367	2.363	4.8	19.7
9 18	22 20.53	− 0 21.1	1.390	2.358	8.6	19.9
9 28	22 13.46	− 1 26.2	1.438	2.351	12.8	20.1
10 8	22 9.08	− 2 22.7	1.507	2.345	16.6	20.3

387345 2012 WG_{11} 8 30.9 258°.40 1°.7/29.4 18

7 30	22 59.31	−10 34.0	1.816	2.711	12.4	21.3
8 9	22 54.22	−11 22.1	1.749	2.706	8.8	21.1
8 19	22 47.27	−12 18.1	1.706	2.701	4.9	20.8
8 29	22 39.15	−13 16.2	1.689	2.697	1.7	20.6
9 8	22 30.80	−14 9.7	1.699	2.692	4.5	20.8
9 18	22 23.20	−14 53.0	1.736	2.687	8.6	21.0
9 28	22 17.22	−15 22.0	1.797	2.682	12.3	21.3
10 8	22 13.47	−15 35.0	1.879	2.677	15.4	21.5

343166 2009 SO_{103} 8 30.9 252°.13 8°.0/ 8.2 17

7 30	23 7.23	+19 39.1	2.327	3.049	15.4	22.4
8 9	23 0.02	+19 24.4	2.198	3.015	13.4	22.2
8 19	22 50.68	+18 41.8	2.089	2.979	11.1	22.0
8 29	22 39.76	+17 28.6	2.005	2.941	8.9	21.8
9 8	22 28.11	+15 45.6	1.949	2.901	8.0	21.6
9 18	22 16.75	+13 37.8	1.924	2.859	9.0	21.6
9 28	22 6.72	+11 14.2	1.927	2.815	11.5	21.7
10 8	21 58.85	+ 8 46.0	1.958	2.768	14.4	21.8

67216 2000 DU_{56} 8 30.9 325°.54 0°.2/30.8 18

7 30	22 55.70	− 6 45.5	1.944	2.832	12.0	18.3
8 9	22 51.59	− 7 21.5	1.865	2.818	8.7	18.1
8 19	22 45.80	− 8 8.2	1.811	2.805	4.9	17.8
8 29	22 38.93	− 9 1.1	1.782	2.792	0.8	17.5
9 8	22 31.78	− 9 54.7	1.781	2.779	3.5	17.7
9 18	22 25.23	−10 43.4	1.806	2.768	7.5	17.9
9 28	22 20.07	−11 22.3	1.857	2.756	11.2	18.1
10 8	22 16.91	−11 48.2	1.929	2.745	14.4	18.3

224595 2005 YC_{8} 8 30.9 188°.93 0°.0/30.9 18

7 30	22 57.28	− 6 35.0	2.706	3.578	9.6	21.6
8 9	22 52.24	− 7 4.4	2.633	3.577	6.9	21.4
8 19	22 45.96	− 7 41.1	2.585	3.576	3.9	21.2
8 29	22 38.94	− 8 21.8	2.565	3.574	0.7	20.9
9 8	22 31.78	− 9 2.8	2.575	3.573	2.6	21.1
9 18	22 25.10	− 9 40.5	2.613	3.571	5.7	21.3
9 28	22 19.48	−10 11.7	2.679	3.568	8.6	21.5
10 8	22 15.38	−10 34.2	2.769	3.566	11.0	21.7

515087 2010 TN_{165} 8 30.9 303°.61 3°.0/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 55.79	+ 2 50.7	2.052	2.902	13.0	21.2
8 9	22 51.58	+ 2 26.8	1.969	2.893	10.0	21.0
8 19	22 45.76	+ 1 45.7	1.909	2.883	6.7	20.8
8 29	22 38.92	+ 0 49.7	1.875	2.874	3.6	20.6
9 8	22 31.82	− 0 16.5	1.868	2.865	3.6	20.6
9 18	22 25.26	− 1 27.1	1.888	2.856	6.7	20.8
9 28	22 20.03	− 2 35.6	1.935	2.847	10.1	21.0
10 8	22 16.69	− 3 36.4	2.005	2.839	13.2	21.1

446536 2014 MU_{28} 8 30.9 359°.07 4°.6/ 4.6 18

7 30	22 56.65	+ 6 18.2	2.040	2.873	13.8	20.2
8 9	22 52.15	+ 6 23.4	1.965	2.872	10.9	20.0
8 19	22 46.06	+ 6 10.4	1.912	2.871	7.9	19.9
8 29	22 38.97	+ 5 40.4	1.884	2.871	5.3	19.7
9 8	22 31.67	+ 4 56.5	1.883	2.871	4.8	19.7
9 18	22 24.97	+ 4 3.6	1.908	2.871	7.0	19.8
9 28	22 19.64	+ 3 7.7	1.958	2.872	10.0	20.0
10 8	22 16.23	+ 2 14.6	2.032	2.873	12.8	20.2

79757 1998 TR_{18} 8 30.9 69°.70 0°.5/31.3 17

7 30	23 1.54	− 4 51.7	1.391	2.281	15.8	19.2
8 9	22 56.00	− 5 27.0	1.344	2.296	11.4	19.0
8 19	22 48.28	− 6 16.8	1.319	2.312	6.5	18.7
8 29	22 39.32	− 7 15.2	1.319	2.328	1.3	18.4
9 8	22 30.33	− 8 14.3	1.344	2.344	4.0	18.7
9 18	22 22.47	− 9 6.8	1.395	2.360	8.9	19.0
9 28	22 16.72	− 9 47.0	1.469	2.376	13.1	19.3
10 8	22 13.63	−10 11.8	1.564	2.392	16.6	19.6

396347 2014 DH_{72} 8 30.9 136°.12 3°.1/27.9 18

7 30	23 0.75	−15 48.8	2.033	2.928	11.2	21.1
8 9	22 55.02	−16 38.1	1.977	2.934	8.0	20.9
8 19	22 47.60	−17 29.4	1.947	2.940	4.7	20.7
8 29	22 39.21	−18 16.8	1.944	2.945	3.1	20.6
9 8	22 30.73	−18 54.8	1.968	2.950	5.4	20.8
9 18	22 23.02	−19 19.4	2.020	2.955	8.6	21.0
9 28	22 16.88	−19 28.6	2.096	2.960	11.7	21.2
10 8	22 12.81	−19 22.4	2.194	2.965	14.3	21.4

478865 2012 VG_{82} 8 30.9 323°.20 5°.8/ 3.9 17

7 30	22 55.33	+ 4 31.8	1.283	2.155	18.0	20.8
8 9	22 52.29	+ 4 48.0	1.187	2.118	14.5	20.5
8 19	22 46.70	+ 4 39.1	1.109	2.083	10.4	20.2
8 29	22 39.15	+ 4 4.0	1.053	2.048	6.7	19.9
9 8	22 30.75	+ 3 5.7	1.019	2.014	6.2	19.7
9 18	22 22.87	+ 1 51.1	1.008	1.981	10.1	19.9
9 28	22 16.95	+ 0 31.0	1.018	1.949	15.1	20.0
10 8	22 14.08	− 0 43.7	1.047	1.919	19.8	20.2

416572 2004 EM_{42} 8 30.9 118°.26 4°.3/26.9 17

7 30	23 2.09	−16 38.7	1.715	2.616	12.7	20.9
8 9	22 56.18	−18 4.8	1.672	2.631	9.0	20.7
8 19	22 48.31	−19 32.6	1.654	2.645	5.6	20.6
8 29	22 39.34	−20 53.4	1.662	2.659	4.4	20.5
9 8	22 30.31	−21 59.2	1.697	2.672	6.9	20.7
9 18	22 22.27	−22 45.0	1.759	2.685	10.3	20.9
9 28	22 16.09	−23 8.9	1.843	2.697	13.5	21.2
10 8	22 12.32	−23 11.6	1.948	2.708	16.2	21.4

402018 2003 SK_{34} 8 30.9 9°.75 2°.6/28.5 18

7 30	23 0.12	−15 46.5	2.185	3.079	10.6	20.6
8 9	22 54.49	−16 11.6	2.124	3.080	7.6	20.4
8 19	22 47.29	−16 38.1	2.087	3.080	4.4	20.2
8 29	22 39.17	−17 1.3	2.078	3.081	2.6	20.1
9 8	22 30.95	−17 17.1	2.096	3.082	4.7	20.3
9 18	22 23.44	−17 22.4	2.142	3.083	7.9	20.5
9 28	22 17.37	−17 15.7	2.213	3.084	10.9	20.7
10 8	22 13.23	−16 56.6	2.306	3.085	13.5	20.8

170391 2003 SU_{304} 8 30.9 206°.49 3°.4/28.3 18

7 30	23 3.62	−14 32.1	1.577	2.477	13.7	20.2
8 9	22 57.56	−15 25.8	1.515	2.474	9.7	20.0
8 19	22 49.24	−16 24.3	1.476	2.471	5.6	19.8
8 29	22 39.51	−17 20.0	1.464	2.467	3.4	19.6
9 8	22 29.54	−18 5.0	1.478	2.464	6.2	19.8
9 18	22 20.54	−18 33.9	1.517	2.459	10.4	20.0
9 28	22 13.55	−18 43.8	1.580	2.455	14.2	20.2
10 8	22 9.25	−18 34.9	1.662	2.450	17.5	20.5

399063 2013 YA_{85} 8 30.9 206°.27 3°.1/27.8 18

7 30	23 1.38	−15 33.3	2.130	3.022	10.9	21.7
8 9	22 55.52	−16 29.9	2.062	3.017	7.8	21.5
8 19	22 47.94	−17 29.4	2.019	3.012	4.6	21.3
8 29	22 39.29	−18 25.8	2.004	3.005	3.1	21.2
9 8	22 30.44	−19 13.3	2.018	2.999	5.4	21.3
9 18	22 22.25	−19 47.3	2.059	2.992	8.6	21.5
9 28	22 15.55	−20 5.5	2.125	2.984	11.8	21.7
10 8	22 10.90	−20 7.3	2.212	2.976	14.4	21.9

509988 2009 UF_{99} 8 30.9 265°.98 0°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.20	− 6 12.6	1.680	2.565	13.7	22.1
8 9	22 55.10	− 6 51.5	1.600	2.551	10.0	21.8
8 19	22 47.91	− 7 43.6	1.543	2.536	5.6	21.5
8 29	22 39.31	− 8 43.8	1.512	2.521	0.9	21.2
9 8	22 30.32	− 9 45.3	1.507	2.506	4.0	21.3
9 18	22 22.01	−10 41.1	1.530	2.490	8.6	21.6
9 28	22 15.43	−11 25.4	1.576	2.475	12.9	21.8
10 8	22 11.29	−11 54.5	1.643	2.459	16.5	22.0

99021 2001 DX_{78} 8 30.9 64°.61 6°.9/25.5 16

7 30	23 4.60	−25 6.2	1.614	2.517	13.2	18.7
8 9	22 57.96	−26 8.6	1.587	2.538	10.0	18.6
8 19	22 49.25	−27 2.7	1.582	2.560	7.5	18.5
8 29	22 39.49	−27 40.4	1.603	2.581	7.1	18.5
9 8	22 29.89	−27 56.3	1.649	2.603	9.0	18.7
9 18	22 21.58	−27 48.7	1.720	2.624	11.8	18.9
9 28	22 15.43	−27 19.0	1.812	2.646	14.6	19.1
10 8	22 11.89	−26 30.7	1.923	2.667	16.9	19.4

131624 2001 XF_{52} 8 30.9 243°.80 1°.7/29.7 18

7 30	23 2.28	− 9 39.7	1.332	2.234	15.5	19.4
8 9	22 56.88	−10 28.3	1.271	2.231	11.1	19.2
8 19	22 48.98	−11 28.4	1.232	2.229	6.1	18.9
8 29	22 39.49	−12 32.2	1.217	2.226	1.7	18.6
9 8	22 29.72	−13 30.9	1.228	2.223	5.4	18.8
9 18	22 21.00	−14 16.7	1.263	2.221	10.5	19.1
9 28	22 14.52	−14 44.6	1.321	2.218	15.0	19.4
10 8	22 10.99	−14 52.9	1.397	2.215	18.8	19.6

272349 2005 SA_{148} 8 30.9 218°.47 0°.6/30.4 17

7 30	23 0.82	− 7 47.0	1.729	2.616	13.3	21.3
8 9	22 55.40	− 8 28.3	1.660	2.612	9.6	21.1
8 19	22 47.98	− 9 20.2	1.614	2.608	5.3	20.9
8 29	22 39.32	−10 17.4	1.595	2.604	0.9	20.5
9 8	22 30.40	−11 13.1	1.602	2.600	4.1	20.8
9 18	22 22.26	−12 1.2	1.637	2.595	8.5	21.0
9 28	22 15.85	−12 36.8	1.696	2.590	12.4	21.3
10 8	22 11.80	−12 57.3	1.776	2.584	15.8	21.5

188441 2004 GF_{17} 8 30.9 115°.02 2°.2/28.8 18

7 30	22 59.21	− 9 1.8	1.639	2.535	13.5	20.1
8 9	22 54.22	−10 41.8	1.587	2.545	9.5	19.9
8 19	22 47.29	−12 32.8	1.559	2.555	5.1	19.6
8 29	22 39.20	−14 25.7	1.558	2.565	2.2	19.5
9 8	22 30.96	−16 10.5	1.585	2.575	5.3	19.7
9 18	22 23.61	−17 39.0	1.638	2.584	9.5	20.0
9 28	22 18.04	−18 45.9	1.716	2.593	13.2	20.2
10 8	22 14.82	−19 29.5	1.814	2.601	16.3	20.4

426175 2012 JQ_{10} 8 30.9 63°.60 3°.3/28.5 17

7 30	23 3.00	−13 25.4	1.319	2.227	15.3	21.2
8 9	22 57.07	−14 24.8	1.285	2.248	10.7	21.0
8 19	22 48.86	−15 29.0	1.273	2.269	6.0	20.8
8 29	22 39.44	−16 29.0	1.286	2.291	3.3	20.7
9 8	22 30.11	−17 16.7	1.324	2.312	6.3	20.9
9 18	22 22.12	−17 46.6	1.386	2.334	10.6	21.2
9 28	22 16.43	−17 56.6	1.471	2.356	14.5	21.5
10 8	22 13.53	−17 47.4	1.574	2.377	17.7	21.8

207712 2007 RA_{106} 8 30.9 307°.04 0°.8/31.7 18

7 30	22 57.32	− 3 48.7	1.665	2.549	13.9	20.4
8 9	22 53.02	− 4 24.9	1.587	2.536	10.2	20.2
8 19	22 46.73	− 5 16.4	1.531	2.522	6.0	19.9
8 29	22 39.13	− 6 18.8	1.500	2.509	1.5	19.6
9 8	22 31.18	− 7 25.6	1.496	2.496	3.6	19.7
9 18	22 23.90	− 8 29.3	1.518	2.484	8.2	20.0
9 28	22 18.28	− 9 23.5	1.564	2.471	12.4	20.2
10 8	22 14.99	−10 3.6	1.631	2.459	16.0	20.4

339278 2004 XR_{10} 8 30.9 332°.84 6°.5/26.0 18

7 30	22 55.96	−18 51.1	1.149	2.077	15.3	19.2
8 9	22 52.88	−20 5.3	1.081	2.052	11.3	18.9
8 19	22 47.01	−21 23.6	1.034	2.028	7.6	18.7
8 29	22 39.22	−22 34.4	1.009	2.005	6.7	18.5
9 8	22 30.87	−23 25.9	1.005	1.983	9.9	18.6
9 18	22 23.51	−23 49.9	1.023	1.963	14.4	18.8
9 28	22 18.54	−23 42.9	1.060	1.945	18.9	19.0
10 8	22 16.84	−23 6.4	1.113	1.928	22.7	19.2

338484 2003 HO_{14} 8 30.9 81°.33 20°.2/11.5 16

7 30	23 11.61	−48 23.0	1.070	1.940	20.9	19.7
8 9	23 5.10	−51 16.8	1.068	1.947	20.2	19.7
8 19	22 54.05	−53 27.4	1.083	1.953	20.5	19.7
8 29	22 40.33	−54 39.8	1.113	1.960	21.5	19.8
9 8	22 26.75	−54 49.2	1.159	1.966	23.0	20.0
9 18	22 15.90	−54 0.7	1.218	1.973	24.7	20.1
9 28	22 9.42	−52 24.9	1.287	1.980	26.2	20.3
10 8	22 7.70	−50 14.5	1.366	1.986	27.5	20.5

142870 2002 VQ_{32} 8 30.9 240°.68 1°.2/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.27	− 9 4.1	1.735	2.624	13.2	20.5
8 9	22 55.80	− 9 50.9	1.660	2.614	9.4	20.2
8 19	22 48.27	−10 47.8	1.609	2.604	5.2	19.9
8 29	22 39.41	−11 49.0	1.584	2.592	1.3	19.6
9 8	22 30.20	−12 47.5	1.586	2.581	4.4	19.9
9 18	22 21.73	−13 36.7	1.615	2.569	8.9	20.1
9 28	22 14.99	−14 11.9	1.668	2.557	12.9	20.3
10 8	22 10.64	−14 30.8	1.742	2.544	16.3	20.5

178422 1998 SZ_{13} 8 30.9 319°.36 18°.1/23.9 16

7 30	23 24.96	−43 17.3	0.979	1.856	21.9	19.1
8 9	23 14.73	−44 10.6	0.935	1.844	19.7	18.9
8 19	22 59.43	−44 27.7	0.907	1.833	18.3	18.7
8 29	22 41.23	−43 50.1	0.898	1.822	18.3	18.7
9 8	22 23.35	−42 10.4	0.907	1.812	19.9	18.8
9 18	22 8.68	−39 34.6	0.935	1.803	22.5	18.9
9 28	21 59.01	−36 18.0	0.979	1.794	25.4	19.1
10 8	21 54.68	−32 38.4	1.039	1.786	28.2	19.3

127216 2002 HC_{16} 8 30.9 252°.07 0°.5/31.4 18

7 30	22 59.38	− 4 45.2	1.763	2.644	13.4	20.1
8 9	22 54.35	− 5 19.0	1.692	2.639	9.8	19.9
8 19	22 47.41	− 6 6.0	1.643	2.634	5.6	19.6
8 29	22 39.27	− 7 1.4	1.621	2.629	1.2	19.3
9 8	22 30.86	− 7 59.3	1.625	2.625	3.5	19.5
9 18	22 23.19	− 8 53.2	1.656	2.620	7.9	19.7
9 28	22 17.15	− 9 37.6	1.713	2.614	11.8	20.0
10 8	22 13.37	−10 8.9	1.790	2.609	15.2	20.2

191027 2002 AJ_{160} 8 30.9 174°.83 0°.9/30.0 18

7 30	22 59.49	− 7 52.8	1.943	2.828	12.2	20.4
8 9	22 54.25	− 8 52.4	1.878	2.830	8.7	20.2
8 19	22 47.28	−10 1.9	1.837	2.831	4.8	20.0
8 29	22 39.24	−11 15.7	1.823	2.832	1.0	19.7
9 8	22 31.02	−12 26.9	1.838	2.833	3.9	19.9
9 18	22 23.50	−13 29.3	1.880	2.833	7.9	20.2
9 28	22 17.51	−14 18.2	1.947	2.833	11.4	20.4
10 8	22 13.59	−14 51.3	2.037	2.833	14.4	20.6

29732 1999 BZ_{2} 8 30.9 171°.63 1°.7/29.6 18

7 30	23 3.14	−11 32.2	1.737	2.629	13.0	17.7
8 9	22 57.00	−12 3.7	1.675	2.631	9.3	17.4
8 19	22 48.86	−12 41.4	1.637	2.632	5.1	17.2
8 29	22 39.50	−13 19.6	1.625	2.633	1.7	17.0
9 8	22 29.98	−13 52.5	1.640	2.634	4.6	17.2
9 18	22 21.34	−14 15.2	1.682	2.634	8.8	17.4
9 28	22 14.53	−14 24.8	1.749	2.634	12.5	17.7
10 8	22 10.13	−14 20.2	1.836	2.634	15.7	17.9

293304 2007 DV_{32} 8 30.9 118°.42 0°.2/30.7 18

7 30	22 57.03	− 6 52.0	2.499	3.375	10.1	21.1
8 9	22 52.11	− 7 35.6	2.439	3.386	7.2	20.9
8 19	22 45.93	− 8 26.9	2.404	3.396	4.0	20.7
8 29	22 39.01	− 9 21.9	2.398	3.407	0.6	20.5
9 8	22 32.01	−10 15.9	2.420	3.417	2.9	20.7
9 18	22 25.57	−11 4.8	2.471	3.427	6.1	20.9
9 28	22 20.30	−11 45.1	2.549	3.437	9.0	21.1
10 8	22 16.62	−12 14.5	2.651	3.447	11.5	21.3

67074 2000 AC_{15} 8 30.9 267°.48 5°.8/ 6.1 18

7 30	22 58.18	+10 40.0	2.360	3.158	13.2	19.2
8 9	22 53.16	+11 3.0	2.277	3.153	10.9	19.1
8 19	22 46.64	+11 8.2	2.215	3.149	8.5	18.9
8 29	22 39.15	+10 55.3	2.178	3.144	6.4	18.8
9 8	22 31.42	+10 26.2	2.167	3.140	5.8	18.7
9 18	22 24.18	+ 9 44.3	2.184	3.135	7.1	18.8
9 28	22 18.17	+ 8 54.6	2.227	3.130	9.4	18.9
10 8	22 13.91	+ 8 2.8	2.294	3.126	11.9	19.1

68694 2002 CG_{169} 8 30.9 55°.08 3°.0/28.4 18

7 30	22 59.70	−12 56.2	1.514	2.419	13.8	18.6
8 9	22 54.67	−14 2.0	1.468	2.430	9.7	18.4
8 19	22 47.58	−15 13.8	1.445	2.441	5.5	18.2
8 29	22 39.30	−16 23.4	1.447	2.452	3.0	18.1
9 8	22 30.95	−17 22.7	1.475	2.463	5.9	18.3
9 18	22 23.62	−18 5.6	1.528	2.475	10.0	18.5
9 28	22 18.23	−18 29.0	1.605	2.486	13.7	18.8
10 8	22 15.34	−18 32.6	1.701	2.498	16.8	19.0

171735 2000 WT_{94} 8 30.9 269°.51 1°.8/29.7 18

7 30	23 2.61	−10 25.0	1.472	2.370	14.6	20.8
8 9	22 57.14	−11 6.2	1.396	2.354	10.5	20.6
8 19	22 49.21	−11 57.7	1.343	2.339	5.8	20.2
8 29	22 39.62	−12 52.7	1.314	2.323	1.8	19.9
9 8	22 29.56	−13 43.3	1.312	2.306	5.3	20.1
9 18	22 20.33	−14 22.5	1.334	2.290	10.2	20.4
9 28	22 13.15	−14 45.3	1.380	2.273	14.7	20.6
10 8	22 8.80	−14 49.7	1.445	2.256	18.6	20.8

471718 2012 TQ_{318} 8 30.9 263°.43 5°.2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.94	−22 3.0	1.849	2.745	12.1	20.7
8 9	22 58.34	−22 41.2	1.783	2.736	9.0	20.4
8 19	22 49.65	−23 16.1	1.742	2.726	6.2	20.3
8 29	22 39.67	−23 40.6	1.726	2.716	5.3	20.2
9 8	22 29.48	−23 49.3	1.738	2.706	7.4	20.3
9 18	22 20.19	−23 39.3	1.776	2.696	10.6	20.5
9 28	22 12.78	−23 10.2	1.837	2.686	13.8	20.7
10 8	22 7.85	−22 24.0	1.918	2.675	16.5	20.8

306987 2001 VS_{115} 8 30.9 279°.64 3°.5/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.96	+ 0 21.2	1.348	2.222	17.1	20.8
8 9	22 56.85	+ 0 23.3	1.269	2.208	13.1	20.5
8 19	22 49.14	+ 0 5.1	1.210	2.193	8.6	20.2
8 29	22 39.63	− 0 31.7	1.175	2.178	4.2	19.9
9 8	22 29.55	− 1 21.5	1.164	2.163	4.7	19.9
9 18	22 20.28	− 2 16.9	1.178	2.148	9.5	20.1
9 28	22 13.15	− 3 9.6	1.215	2.133	14.3	20.4
10 8	22 9.01	− 3 52.3	1.271	2.118	18.6	20.6

80837 2000 DV_{7} 8 30.9 71°.52 0°.1/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.36	− 5 37.2	1.414	2.303	15.6	20.2
8 9	22 56.54	− 6 16.1	1.372	2.325	11.2	20.0
8 19	22 48.59	− 7 8.4	1.352	2.346	6.3	19.8
8 29	22 39.48	− 8 7.5	1.357	2.367	1.1	19.5
9 8	22 30.41	− 9 5.6	1.389	2.388	4.0	19.8
9 18	22 22.51	− 9 56.0	1.446	2.409	8.8	20.1
9 28	22 16.71	−10 33.3	1.526	2.430	12.9	20.4
10 8	22 13.54	−10 55.1	1.627	2.450	16.3	20.7

127027 2002 GT_{22} 8 30.9 143°.65 0°.6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.37	− 9 27.9	2.564	3.442	9.9	20.2
8 9	22 53.77	− 9 51.2	2.501	3.449	7.0	20.0
8 19	22 46.87	−10 19.8	2.463	3.456	3.8	19.8
8 29	22 39.21	−10 50.1	2.453	3.462	0.8	19.6
9 8	22 31.46	−11 18.6	2.472	3.468	3.0	19.8
9 18	22 24.29	−11 41.9	2.521	3.474	6.2	20.0
9 28	22 18.32	−11 57.6	2.596	3.480	9.0	20.2
10 8	22 13.98	−12 4.1	2.694	3.485	11.5	20.4

426460 2013 QC_{73} 8 30.9 351°.37 1°.3/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.16	− 8 5.3	1.168	2.079	16.5	20.7
8 9	22 54.16	− 8 58.6	1.111	2.075	11.9	20.4
8 19	22 47.59	−10 7.1	1.074	2.072	6.5	20.1
8 29	22 39.36	−11 22.5	1.060	2.070	1.4	19.8
9 8	22 30.84	−12 34.4	1.070	2.068	5.4	20.1
9 18	22 23.41	−13 33.3	1.103	2.067	10.9	20.4
9 28	22 18.30	−14 12.6	1.157	2.066	15.7	20.7
10 8	22 16.20	−14 29.8	1.230	2.066	19.7	20.9

340197 2005 YL_{290} 8 30.9 190°.31 0°.1/31.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.50	− 6 6.0	1.716	2.600	13.6	21.6
8 9	22 55.17	− 6 36.7	1.650	2.600	9.8	21.4
8 19	22 47.89	− 7 19.2	1.607	2.600	5.6	21.2
8 29	22 39.40	− 8 8.5	1.590	2.599	1.0	20.8
9 8	22 30.70	− 8 58.6	1.600	2.599	3.7	21.0
9 18	22 22.81	− 9 43.5	1.636	2.598	8.1	21.3
9 28	22 16.64	−10 18.1	1.698	2.598	12.0	21.5
10 8	22 12.79	−10 39.6	1.780	2.597	15.4	21.8

428621 2008 FL_{46} 8 30.9 229°.10 0°.2/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.51	− 5 1.8	1.805	2.682	13.3	22.4
8 9	22 55.95	− 5 47.4	1.725	2.671	9.7	22.2
8 19	22 48.39	− 6 46.7	1.668	2.659	5.6	21.9
8 29	22 39.50	− 7 54.9	1.638	2.647	1.0	21.5
9 8	22 30.25	− 9 5.1	1.635	2.634	3.7	21.7
9 18	22 21.66	−10 10.4	1.661	2.620	8.2	22.0
9 28	22 14.70	−11 4.7	1.711	2.606	12.2	22.2
10 8	22 10.07	−11 44.2	1.783	2.591	15.7	22.4

275650 2000 GB_{165} 8 30.9 172°.06 1°.3/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.73	−10 5.3	1.840	2.727	12.7	21.5
8 9	22 56.64	−10 46.3	1.777	2.730	9.0	21.2
8 19	22 48.66	−11 34.8	1.738	2.732	5.0	21.0
8 29	22 39.53	−12 25.3	1.726	2.734	1.4	20.8
9 8	22 30.23	−13 11.5	1.741	2.735	4.3	21.0
9 18	22 21.75	−13 48.4	1.784	2.736	8.3	21.2
9 28	22 14.97	−14 12.3	1.852	2.736	12.0	21.4
10 8	22 10.48	−14 21.7	1.941	2.736	15.1	21.7

16467 1990 FD_{3} 8 30.9 85°.73 0°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.42	− 4 25.5	2.249	3.125	11.1	17.2
8 9	22 51.17	− 5 31.9	2.183	3.129	8.0	17.0
8 19	22 45.51	− 6 49.9	2.142	3.133	4.5	16.8
8 29	22 39.01	− 8 14.4	2.128	3.137	0.8	16.6
9 8	22 32.37	− 9 39.3	2.143	3.142	3.0	16.7
9 18	22 26.29	−10 58.5	2.187	3.146	6.6	17.0
9 28	22 21.44	−12 7.0	2.258	3.150	9.8	17.2
10 8	22 18.29	−13 1.4	2.351	3.155	12.5	17.4

200189 1999 RX_{100} 8 30.9 297°.81 0°.9/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.95	− 9 7.1	1.643	2.536	13.6	20.0
8 9	22 55.88	− 9 34.0	1.552	2.507	9.9	19.7
8 19	22 48.53	−10 11.3	1.483	2.478	5.5	19.4
8 29	22 39.56	−10 53.8	1.439	2.449	1.1	19.0
9 8	22 30.01	−11 35.4	1.422	2.419	4.5	19.2
9 18	22 21.05	−12 9.6	1.431	2.390	9.3	19.4
9 28	22 13.83	−12 31.5	1.464	2.361	13.8	19.6
10 8	22 9.18	−12 38.1	1.517	2.332	17.7	19.8

330603 2008 DS_{32} 8 30.9 85°.86 2°.1/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.56	−11 31.6	1.462	2.361	14.6	20.8
8 9	22 57.44	−12 16.8	1.417	2.376	10.3	20.6
8 19	22 49.14	−13 8.7	1.395	2.390	5.7	20.4
8 29	22 39.61	−14 0.3	1.398	2.405	2.2	20.2
9 8	22 30.07	−14 44.0	1.427	2.420	5.3	20.4
9 18	22 21.70	−15 14.4	1.482	2.434	9.7	20.7
9 28	22 15.45	−15 28.5	1.560	2.448	13.6	21.0
10 8	22 11.87	−15 25.7	1.658	2.462	16.9	21.3

366098 2012 CG_{57} 8 30.9 56°.24 1°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.27	− 8 16.0	2.151	3.039	11.0	20.0
8 9	22 51.13	− 9 50.5	2.089	3.044	7.8	19.8
8 19	22 45.52	−11 34.7	2.054	3.049	4.2	19.6
8 29	22 39.02	−13 21.9	2.046	3.054	1.5	19.4
9 8	22 32.37	−15 4.4	2.068	3.059	4.1	19.6
9 18	22 26.30	−16 35.6	2.118	3.064	7.6	19.8
9 28	22 21.52	−17 50.4	2.194	3.069	10.8	20.0
10 8	22 18.51	−18 46.4	2.293	3.075	13.5	20.2

484914 2009 SA_{21} 8 30.9 2°.51 5°.8/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.92	−25 53.8	1.792	2.678	13.0	20.0
8 9	23 3.19	−25 44.4	1.733	2.677	9.8	19.8
8 19	22 52.25	−25 25.0	1.699	2.677	7.0	19.6
8 29	22 40.13	−24 50.3	1.692	2.678	5.8	19.5
9 8	22 28.08	−23 57.5	1.712	2.679	7.6	19.7
9 18	22 17.32	−22 47.2	1.760	2.681	10.6	19.8
9 28	22 8.81	−21 22.3	1.833	2.684	13.7	20.0
10 8	22 3.10	−19 46.7	1.927	2.687	16.4	20.3

144133 2004 BT_{89} 8 30.9 125°.19 1°.6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.47	− 0 23.5	2.427	3.279	11.2	20.9
8 9	22 53.17	− 1 0.4	2.366	3.295	8.3	20.7
8 19	22 46.56	− 1 49.5	2.329	3.310	5.1	20.6
8 29	22 39.19	− 2 47.5	2.320	3.325	2.1	20.4
9 8	22 31.75	− 3 49.6	2.340	3.339	2.7	20.4
9 18	22 24.91	− 4 51.2	2.389	3.353	5.8	20.7
9 28	22 19.29	− 5 47.5	2.466	3.366	8.8	20.9
10 8	22 15.32	− 6 35.1	2.567	3.379	11.3	21.1

400218 2007 CE_{22} 8 30.9 137°.79 2°.3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.90	−13 17.6	2.569	3.459	9.4	21.3
8 9	22 52.07	−14 34.8	2.513	3.468	6.6	21.1
8 19	22 45.96	−15 56.0	2.483	3.477	3.8	20.9
8 29	22 39.10	−17 15.5	2.483	3.485	2.4	20.8
9 8	22 32.12	−18 27.9	2.512	3.494	4.4	21.0
9 18	22 25.69	−19 28.9	2.569	3.501	7.2	21.2
9 28	22 20.40	−20 15.3	2.652	3.509	9.8	21.4
10 8	22 16.69	−20 46.2	2.758	3.516	12.0	21.6

360423 2002 GO_{179} 8 30.9 105°.52 3°.2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.61	−16 26.9	2.456	3.351	9.6	21.2
8 9	22 52.59	−17 47.2	2.412	3.368	6.8	21.1
8 19	22 46.24	−19 8.7	2.394	3.384	4.2	20.9
8 29	22 39.14	−20 25.4	2.405	3.401	3.3	20.9
9 8	22 31.98	−21 31.8	2.444	3.417	5.2	21.0
9 18	22 25.44	−22 24.0	2.511	3.433	7.8	21.2
9 28	22 20.14	−22 59.7	2.604	3.448	10.3	21.4
10 8	22 16.52	−23 18.8	2.718	3.463	12.5	21.6

49404 1998 XN_{45} 8 30.9 332°.17 2°.2/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.21	−12 5.6	1.663	2.564	13.0	18.2
8 9	22 54.35	−12 46.4	1.598	2.558	9.3	18.0
8 19	22 47.49	−13 33.8	1.556	2.552	5.2	17.7
8 29	22 39.37	−14 21.8	1.540	2.547	2.2	17.5
9 8	22 31.02	−15 3.6	1.550	2.542	5.0	17.7
9 18	22 23.48	−15 33.8	1.585	2.537	9.2	17.9
9 28	22 17.71	−15 48.8	1.644	2.533	13.0	18.2
10 8	22 14.31	−15 47.5	1.724	2.529	16.3	18.4

168894 2000 WE_{130} 8 30.9 255°.45 4°.2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.47	+ 3 14.5	1.548	2.404	16.3	20.4
8 9	22 56.22	+ 3 13.6	1.467	2.393	12.7	20.2
8 19	22 48.69	+ 2 51.5	1.407	2.381	8.7	19.9
8 29	22 39.60	+ 2 9.7	1.371	2.369	5.0	19.7
9 8	22 30.04	+ 1 12.9	1.361	2.357	4.9	19.6
9 18	22 21.23	+ 0 8.1	1.377	2.345	8.6	19.8
9 28	22 14.28	− 0 56.5	1.416	2.332	12.9	20.1
10 8	22 9.97	− 1 53.6	1.477	2.319	16.7	20.3

7912 Lapovok 8 30.9 28°.60 0°.6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.26	− 7 53.0	1.250	2.154	16.2	17.2
8 9	22 55.41	− 8 23.5	1.201	2.161	11.6	17.0
8 19	22 48.16	− 9 6.4	1.172	2.168	6.4	16.7
8 29	22 39.48	− 9 55.2	1.167	2.177	1.1	16.4
9 8	22 30.69	−10 41.7	1.187	2.186	4.7	16.7
9 18	22 23.07	−11 19.0	1.231	2.195	9.8	17.0
9 28	22 17.70	−11 41.8	1.296	2.205	14.3	17.3
10 8	22 15.19	−11 48.0	1.382	2.216	18.1	17.6

443078 2013 GF_{36} 8 30.9 13°.17 6°.5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.27	−26 52.6	1.919	2.814	11.9	19.9
8 9	22 57.70	−27 25.5	1.870	2.816	9.1	19.7
8 19	22 49.21	−27 50.2	1.845	2.818	7.0	19.6
8 29	22 39.65	−28 0.3	1.846	2.821	6.6	19.6
9 8	22 30.09	−27 51.7	1.873	2.824	8.3	19.7
9 18	22 21.56	−27 22.8	1.925	2.827	10.9	19.9
9 28	22 14.91	−26 35.0	2.000	2.831	13.5	20.0
10 8	22 10.65	−25 31.1	2.096	2.836	15.8	20.2

313338 2002 GJ_{38} 8 30.9 171°.57 3°.8/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.01	−16 34.9	1.623	2.519	13.6	21.1
8 9	22 59.93	−17 15.6	1.566	2.522	9.7	20.9
8 19	22 50.59	−17 57.7	1.532	2.524	5.8	20.7
8 29	22 39.90	−18 34.1	1.524	2.526	3.8	20.6
9 8	22 29.07	−18 58.2	1.544	2.527	6.4	20.7
9 18	22 19.32	−19 6.0	1.590	2.528	10.3	21.0
9 28	22 11.67	−18 56.2	1.659	2.528	14.0	21.2
10 8	22 6.75	−18 29.8	1.748	2.528	17.1	21.4

382488 2001 DE_{79} 8 30.9 153°.76 3°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.83	+ 4 42.4	2.567	3.387	11.7	21.6
8 9	22 55.56	+ 4 45.8	2.495	3.397	9.1	21.5
8 19	22 47.92	+ 4 35.5	2.447	3.406	6.4	21.3
8 29	22 39.45	+ 4 12.8	2.426	3.415	4.0	21.2
9 8	22 30.86	+ 3 40.3	2.434	3.423	3.8	21.2
9 18	22 22.83	+ 3 1.7	2.471	3.431	5.9	21.3
9 28	22 16.03	+ 2 21.3	2.537	3.437	8.5	21.5
10 8	22 10.91	+ 1 43.2	2.627	3.443	11.0	21.7

329750 2004 CO_{5} 8 30.9 175°.34 3°.3/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.90	−14 40.3	1.700	2.598	12.9	20.8
8 9	22 56.94	−15 40.9	1.642	2.600	9.2	20.6
8 19	22 48.91	−16 45.7	1.608	2.601	5.4	20.3
8 29	22 39.63	−17 47.3	1.600	2.602	3.4	20.2
9 8	22 30.17	−18 38.3	1.619	2.603	6.0	20.4
9 18	22 21.61	−19 13.3	1.664	2.603	9.9	20.6
9 28	22 14.92	−19 29.7	1.733	2.603	13.5	20.8
10 8	22 10.71	−19 27.4	1.822	2.602	16.5	21.1

274123 2008 EX_{46} 8 30.9 48°.41 5°.4/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.10	−18 25.8	1.279	2.193	15.2	20.4
8 9	22 57.39	−19 26.3	1.242	2.205	10.9	20.2
8 19	22 49.21	−20 26.2	1.225	2.218	6.9	20.0
8 29	22 39.66	−21 15.9	1.233	2.231	5.4	19.9
9 8	22 30.14	−21 47.3	1.265	2.244	8.1	20.1
9 18	22 21.98	−21 56.2	1.321	2.258	12.1	20.4
9 28	22 16.23	−21 42.2	1.398	2.272	15.8	20.7
10 8	22 13.42	−21 7.7	1.492	2.286	18.9	20.9

245093 2004 PC_{24} 8 30.9 47°.78 2°.2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.07	− 0 0.9	2.618	3.468	10.6	20.0
8 9	22 52.09	+ 0 1.7	2.559	3.484	8.0	19.8
8 19	22 45.94	− 0 6.0	2.525	3.501	5.2	19.7
8 29	22 39.12	− 0 22.3	2.517	3.518	2.6	19.5
9 8	22 32.24	− 0 44.5	2.538	3.535	2.8	19.6
9 18	22 25.92	− 1 9.3	2.587	3.552	5.3	19.8
9 28	22 20.70	− 1 33.4	2.664	3.569	8.0	20.0
10 8	22 17.00	− 1 53.8	2.765	3.587	10.3	20.1

402210 2004 XJ_{118} 8 30.9 299°.31 4°.3/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.88	+ 5 6.2	2.189	3.022	12.9	21.2
8 9	22 53.14	+ 5 18.8	2.094	3.002	10.3	21.0
8 19	22 46.77	+ 5 15.6	2.022	2.983	7.4	20.7
8 29	22 39.29	+ 4 57.0	1.974	2.963	4.9	20.6
9 8	22 31.44	+ 4 25.5	1.954	2.943	4.6	20.5
9 18	22 24.04	+ 3 44.8	1.961	2.923	6.9	20.6
9 28	22 17.89	+ 3 0.2	1.994	2.904	10.0	20.8
10 8	22 13.61	+ 2 17.0	2.050	2.885	13.0	20.9

300563 2007 TF_{327} 8 30.9 347°.06 1°.0/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.24	− 4 46.8	1.670	2.552	14.0	20.5
8 9	22 55.05	− 4 54.7	1.602	2.549	10.3	20.3
8 19	22 47.88	− 5 14.7	1.557	2.547	6.0	20.1
8 29	22 39.47	− 5 43.4	1.537	2.545	1.7	19.8
9 8	22 30.82	− 6 15.6	1.543	2.543	3.5	19.9
9 18	22 22.98	− 6 46.0	1.576	2.542	7.9	20.2
9 28	22 16.88	− 7 9.9	1.633	2.541	12.0	20.4
10 8	22 13.15	− 7 23.8	1.712	2.540	15.4	20.6

353504 2011 SK_{90} 8 30.9 319°.30 2°.7/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.74	+ 0 51.8	1.829	2.691	13.9	20.5
8 9	22 53.17	+ 0 36.5	1.754	2.685	10.6	20.2
8 19	22 46.80	+ 0 4.4	1.701	2.680	6.8	20.0
8 29	22 39.29	− 0 41.7	1.673	2.675	3.4	19.8
9 8	22 31.52	− 1 36.9	1.672	2.671	3.6	19.8
9 18	22 24.40	− 2 35.4	1.698	2.666	7.2	20.0
9 28	22 18.81	− 3 30.5	1.749	2.662	11.0	20.2
10 8	22 15.35	− 4 17.2	1.822	2.658	14.3	20.4

44442 1998 UG_{17} 8 30.9 326°.23 1°.4/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.92	− 3 47.8	1.681	2.560	14.1	18.6
8 9	22 54.86	− 3 54.5	1.609	2.554	10.4	18.3
8 19	22 47.79	− 4 14.3	1.559	2.548	6.2	18.1
8 29	22 39.46	− 4 43.8	1.535	2.543	2.0	17.8
9 8	22 30.85	− 5 18.2	1.537	2.537	3.5	17.9
9 18	22 23.00	− 5 52.1	1.566	2.533	7.9	18.1
9 28	22 16.87	− 6 20.3	1.619	2.528	11.9	18.4
10 8	22 13.10	− 6 38.9	1.693	2.524	15.4	18.6

392081 2009 DL_{36} 8 30.9 174°.80 6°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.75	−28 55.4	2.491	3.376	9.8	22.1
8 9	22 56.39	−30 4.6	2.443	3.378	7.8	21.9
8 19	22 48.43	−31 6.4	2.422	3.381	6.5	21.9
8 29	22 39.55	−31 54.6	2.428	3.382	6.6	21.9
9 8	22 30.57	−32 24.6	2.461	3.383	8.0	22.0
9 18	22 22.32	−32 34.3	2.519	3.384	10.1	22.1
9 28	22 15.54	−32 23.8	2.601	3.384	12.1	22.3
10 8	22 10.73	−31 55.2	2.702	3.383	13.9	22.4

374916 2006 XP_{54} 8 30.9 287°.42 0°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.64	− 6 40.9	1.478	2.369	14.9	21.0
8 9	22 56.50	− 7 3.3	1.396	2.349	10.9	20.7
8 19	22 48.94	− 7 39.0	1.336	2.330	6.2	20.3
8 29	22 39.69	− 8 23.2	1.301	2.310	1.1	20.0
9 8	22 29.91	− 9 9.2	1.291	2.290	4.3	20.1
9 18	22 20.87	− 9 50.1	1.307	2.271	9.5	20.4
9 28	22 13.79	−10 19.8	1.346	2.251	14.2	20.6
10 8	22 9.49	−10 34.8	1.404	2.231	18.2	20.8

484664 2008 UE_{26} 8 30.9 302°.97 2°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.91	+ 3 23.8	2.382	3.225	11.7	21.2
8 9	22 50.84	+ 3 1.6	2.295	3.213	9.1	21.0
8 19	22 45.39	+ 2 24.2	2.231	3.202	6.2	20.8
8 29	22 39.06	+ 1 33.5	2.193	3.190	3.5	20.7
9 8	22 32.49	+ 0 33.3	2.183	3.179	3.3	20.6
9 18	22 26.38	− 0 31.6	2.201	3.168	6.0	20.8
9 28	22 21.38	− 1 35.6	2.246	3.157	9.0	21.0
10 8	22 18.01	− 2 34.0	2.315	3.147	11.8	21.1

176723 2002 QL_{96} 8 30.9 82°.99 4°.4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.08	+ 4 3.8	1.446	2.304	17.1	20.3
8 9	22 55.83	+ 3 58.0	1.387	2.312	13.3	20.1
8 19	22 48.37	+ 3 29.4	1.348	2.320	9.1	19.9
8 29	22 39.56	+ 2 40.2	1.332	2.329	5.3	19.7
9 8	22 30.57	+ 1 36.4	1.341	2.337	5.0	19.7
9 18	22 22.55	+ 0 26.0	1.376	2.345	8.5	19.9
9 28	22 16.54	− 0 42.4	1.435	2.353	12.5	20.2
10 8	22 13.16	− 1 41.6	1.515	2.362	16.1	20.4

23634 1997 AY_{3} 8 30.9 279°.57 0°.8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.64	− 6 53.9	1.465	2.361	14.8	18.3
8 9	22 55.03	− 7 50.5	1.389	2.345	10.7	18.0
8 19	22 48.08	− 9 2.7	1.334	2.330	6.0	17.7
8 29	22 39.54	−10 23.8	1.305	2.314	1.1	17.4
9 8	22 30.54	−11 44.7	1.301	2.298	4.7	17.6
9 18	22 22.30	−12 56.6	1.322	2.283	9.8	17.8
9 28	22 15.99	−13 52.2	1.367	2.267	14.4	18.1
10 8	22 12.39	−14 27.7	1.432	2.251	18.3	18.3

445391 2010 RF_{184} 8 30.9 300°.39 4°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.49	+ 4 14.2	2.063	2.902	13.4	21.1
8 9	22 53.57	+ 4 22.7	1.982	2.895	10.5	20.9
8 19	22 46.99	+ 4 14.9	1.923	2.889	7.4	20.7
8 29	22 39.34	+ 3 51.9	1.890	2.882	4.7	20.5
9 8	22 31.42	+ 3 16.7	1.884	2.876	4.4	20.5
9 18	22 24.07	+ 2 33.6	1.905	2.869	6.9	20.6
9 28	22 18.10	+ 1 48.3	1.952	2.863	10.1	20.8
10 8	22 14.07	+ 1 5.9	2.022	2.857	13.1	21.0

243927 2001 OR_{33} 8 30.9 15°.83 9°.4/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 51.94	−20 20.4	0.672	1.626	19.1	18.5
8 9	22 50.56	−22 14.1	0.652	1.633	14.1	18.2
8 19	22 45.80	−24 2.6	0.647	1.643	10.2	18.1
8 29	22 39.13	−25 27.5	0.661	1.655	9.8	18.1
9 8	22 32.51	−26 14.9	0.693	1.670	13.1	18.4
9 18	22 27.68	−26 20.1	0.741	1.687	17.5	18.7
9 28	22 25.91	−25 45.7	0.805	1.706	21.6	19.0
10 8	22 27.60	−24 39.0	0.883	1.726	25.1	19.4

343418 2010 DV_1 8 30.9 208°.94 5°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.50	+16 18.2	2.463	3.220	13.8	21.2
8 9	22 53.40	+15 35.3	2.366	3.213	11.6	21.0
8 19	22 46.83	+14 27.8	2.291	3.206	9.2	20.8
8 29	22 39.31	+12 56.3	2.241	3.198	6.9	20.7
9 8	22 31.55	+11 4.6	2.219	3.189	5.9	20.6
9 18	22 24.29	+ 8 59.0	2.227	3.180	6.9	20.7
9 28	22 18.22	+ 6 47.8	2.265	3.170	9.2	20.8
10 8	22 13.88	+ 4 39.3	2.329	3.159	11.7	20.9

437786 2015 CB_{24} 8 30.9 151°.22 1°.7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.06	−10 30.9	1.761	2.652	12.9	21.4
8 9	22 56.24	−11 23.6	1.703	2.658	9.2	21.2
8 19	22 48.49	−12 24.1	1.669	2.664	5.0	21.0
8 29	22 39.59	−13 25.8	1.661	2.669	1.8	20.8
9 8	22 30.54	−14 21.9	1.681	2.673	4.6	21.0
9 18	22 22.35	−15 6.6	1.727	2.678	8.7	21.2
9 28	22 15.92	−15 36.3	1.799	2.682	12.4	21.5
10 8	22 11.82	−15 49.5	1.891	2.685	15.5	21.7

88970 2001 TQ_{58} 8 30.9 336°.09 2°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.85	+ 1 31.6	1.815	2.676	14.0	19.6
8 9	22 52.54	+ 1 10.9	1.741	2.672	10.7	19.4
8 19	22 46.46	+ 0 32.7	1.689	2.668	7.0	19.2
8 29	22 39.25	− 0 20.5	1.662	2.664	3.5	19.0
9 8	22 31.80	− 1 23.3	1.662	2.660	3.7	19.0
9 18	22 25.00	− 2 29.4	1.688	2.657	7.2	19.2
9 28	22 19.72	− 3 31.9	1.740	2.654	10.9	19.4
10 8	22 16.54	− 4 25.4	1.814	2.651	14.3	19.6

89714 2001 YA_{114} 8 30.9 188°.78 3°.2/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.14	+ 2 43.7	2.308	3.147	12.2	19.5
8 9	22 53.84	+ 2 48.2	2.231	3.147	9.4	19.4
8 19	22 47.06	+ 2 39.1	2.178	3.147	6.4	19.2
8 29	22 39.35	+ 2 17.5	2.151	3.146	3.8	19.0
9 8	22 31.45	+ 1 46.6	2.152	3.145	3.7	19.0
9 18	22 24.11	+ 1 10.2	2.181	3.145	6.2	19.2
9 28	22 18.02	+ 0 32.9	2.237	3.144	9.2	19.4
10 8	22 13.71	− 0 1.2	2.316	3.143	11.9	19.5

42233 2001 EL_2 8 30.9 292°.63 5°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.34	−24 6.5	2.183	3.080	10.5	19.0
8 9	22 54.84	−25 0.4	2.124	3.074	8.0	18.8
8 19	22 47.66	−25 50.2	2.090	3.068	5.9	18.7
8 29	22 39.46	−26 29.6	2.083	3.062	5.6	18.7
9 8	22 31.11	−26 53.5	2.102	3.056	7.3	18.8
9 18	22 23.48	−26 59.1	2.147	3.050	9.9	18.9
9 28	22 17.37	−26 45.8	2.216	3.044	12.5	19.1
10 8	22 13.29	−26 14.9	2.305	3.038	14.7	19.2

367890 2011 YH_{12} 8 30.9 137°.21 2°.9/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.04	−16 53.5	2.557	3.448	9.4	21.2
8 9	22 53.60	−17 40.7	2.502	3.456	6.7	21.1
8 19	22 46.83	−18 28.5	2.474	3.464	4.0	20.9
8 29	22 39.31	−19 12.4	2.473	3.472	2.9	20.9
9 8	22 31.72	−19 47.9	2.501	3.479	4.7	21.0
9 18	22 24.73	−20 12.1	2.558	3.487	7.4	21.2
9 28	22 18.97	−20 23.1	2.640	3.493	9.9	21.4
10 8	22 14.87	−20 20.9	2.744	3.500	12.1	21.5

66157 1998 UJ_{26} 8 30.9 302°.63 1°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.31	− 9 26.6	2.115	3.005	11.1	19.4
8 9	22 52.03	−10 16.2	2.034	2.989	7.9	19.2
8 19	22 46.14	−11 14.3	1.978	2.973	4.4	18.9
8 29	22 39.22	−12 16.0	1.948	2.957	1.2	18.7
9 8	22 32.01	−13 15.5	1.947	2.941	3.9	18.8
9 18	22 25.33	−14 7.4	1.972	2.925	7.6	19.1
9 28	22 19.95	−14 47.3	2.023	2.910	11.0	19.2
10 8	22 16.45	−15 12.6	2.096	2.895	14.0	19.4

38511 1999 TU_{230} 8 30.9 322°.03 0°.9/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.31	− 7 26.9	1.870	2.762	12.2	18.4
8 9	22 51.45	− 8 29.6	1.795	2.750	8.8	18.2
8 19	22 45.87	− 9 44.2	1.743	2.739	4.8	17.9
8 29	22 39.17	−11 4.8	1.718	2.728	1.0	17.6
9 8	22 32.20	−12 24.3	1.721	2.717	4.0	17.8
9 18	22 25.83	−13 35.5	1.750	2.706	8.1	18.0
9 28	22 20.89	−14 33.0	1.804	2.697	11.8	18.3
10 8	22 18.00	−15 13.3	1.879	2.687	15.0	18.5

26893 1995 FH_{15} 8 30.9 278°.80 1°.3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.24	− 9 28.5	1.909	2.801	12.1	18.4
8 9	22 53.51	−10 19.0	1.837	2.792	8.6	18.1
8 19	22 47.00	−11 18.5	1.789	2.784	4.7	17.9
8 29	22 39.36	−12 21.3	1.767	2.776	1.3	17.6
9 8	22 31.47	−13 21.0	1.773	2.767	4.2	17.8
9 18	22 24.23	−14 11.9	1.805	2.759	8.2	18.1
9 28	22 18.48	−14 49.3	1.863	2.750	11.8	18.3
10 8	22 14.83	−15 11.2	1.942	2.742	14.9	18.5

97852 2000 QH_6 8 30.9 337°.39 2°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.81	− 3 39.5	1.027	1.932	18.8	18.4
8 9	22 55.78	− 3 18.9	0.962	1.919	14.1	18.1
8 19	22 48.77	− 3 16.0	0.915	1.907	8.7	17.8
8 29	22 39.70	− 3 28.6	0.889	1.896	3.4	17.5
9 8	22 30.09	− 3 51.0	0.885	1.886	5.0	17.5
9 18	22 21.59	− 4 15.8	0.903	1.878	10.7	17.8
9 28	22 15.69	− 4 35.6	0.941	1.870	16.2	18.1
10 8	22 13.27	− 4 44.5	0.996	1.865	20.9	18.4

38155 1999 JJ_{69} 8 30.9 17°.28 3°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.15	− 9 32.9	0.836	1.771	18.7	17.1
8 9	22 50.98	−10 59.8	0.802	1.779	13.2	16.8
8 19	22 45.93	−12 42.3	0.787	1.788	7.2	16.6
8 29	22 39.18	−14 26.5	0.791	1.799	3.1	16.4
9 8	22 32.36	−15 57.2	0.817	1.812	7.3	16.7
9 18	22 26.98	−17 3.1	0.863	1.827	12.9	17.0
9 28	22 24.27	−17 38.5	0.927	1.843	17.8	17.4
10 8	22 24.76	−17 43.6	1.008	1.861	21.9	17.7

514042 2014 ME_{26} 8 30.9 43°.92 6°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.46	+ 8 41.7	1.952	2.767	15.0	20.8
8 9	22 55.64	+ 9 27.1	1.892	2.782	12.2	20.6
8 19	22 48.10	+ 9 53.4	1.854	2.797	9.3	20.5
8 29	22 39.55	+10 0.1	1.841	2.813	6.9	20.4
9 8	22 30.86	+ 9 49.2	1.853	2.829	6.3	20.4
9 18	22 22.95	+ 9 24.3	1.892	2.845	7.9	20.5
9 28	22 16.61	+ 8 51.1	1.957	2.862	10.4	20.7
10 8	22 12.37	+ 8 15.5	2.044	2.879	13.0	20.9

480519 2015 MZ_7 8 31.0 359°.39 2°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.91	+ 0 57.3	1.783	2.646	14.1	21.3
8 9	22 53.31	+ 0 41.9	1.713	2.645	10.8	21.1
8 19	22 46.90	+ 0 9.4	1.665	2.645	7.0	20.8
8 29	22 39.36	− 0 37.3	1.643	2.645	3.4	20.6
9 8	22 31.59	− 1 33.1	1.646	2.645	3.7	20.6
9 18	22 24.54	− 2 31.8	1.677	2.645	7.3	20.9
9 28	22 19.05	− 3 27.1	1.732	2.646	11.0	21.1
10 8	22 15.72	− 4 13.5	1.810	2.646	14.3	21.3

142036 2002 QH_{11} 8 31.0 74°.48 0°.9/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.76	− 2 58.3	1.367	2.254	16.2	20.1
8 9	22 55.60	− 3 46.0	1.319	2.268	11.8	19.9
8 19	22 48.23	− 4 51.5	1.291	2.282	6.9	19.7
8 29	22 39.57	− 6 8.0	1.288	2.296	1.7	19.4
9 8	22 30.84	− 7 26.7	1.310	2.311	3.9	19.6
9 18	22 23.20	− 8 38.9	1.359	2.325	8.9	19.9
9 28	22 17.65	− 9 37.5	1.430	2.339	13.2	20.2
10 8	22 14.76	−10 18.7	1.522	2.354	16.8	20.5

43213 2000 AC_{132} 8 31.0 329°.57 2°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.97	+ 0 7.3	2.175	3.031	12.2	18.8
8 9	22 53.10	+ 0 4.2	2.099	3.028	9.3	18.6
8 19	22 46.70	− 0 11.9	2.047	3.025	6.0	18.4
8 29	22 39.34	− 0 38.9	2.021	3.022	3.0	18.2
9 8	22 31.78	− 1 13.3	2.022	3.020	3.3	18.3
9 18	22 24.79	− 1 50.9	2.051	3.017	6.4	18.4
9 28	22 19.10	− 2 27.0	2.106	3.015	9.6	18.6
10 8	22 15.24	− 2 57.5	2.185	3.013	12.5	18.8

521742 2015 RS_{272} 8 31.0 283°.18 1°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.90	− 9 37.8	2.267	3.152	10.7	22.0
8 9	22 53.14	−10 19.4	2.177	3.129	7.6	21.8
8 19	22 46.79	−11 8.9	2.112	3.106	4.2	21.6
8 29	22 39.38	−12 1.7	2.075	3.083	1.1	21.3
9 8	22 31.64	−12 52.8	2.065	3.060	3.7	21.5
9 18	22 24.36	−13 37.2	2.084	3.036	7.3	21.6
9 28	22 18.31	−14 11.0	2.129	3.013	10.7	21.8
10 8	22 14.08	−14 31.7	2.195	2.989	13.6	22.0

445840 2012 DE_{25} 8 31.0 215°.95 4°.1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.96	−23 8.0	2.908	3.794	8.5	21.7
8 9	22 54.95	−23 47.9	2.840	3.786	6.4	21.5
8 19	22 47.62	−24 24.6	2.800	3.778	4.6	21.4
8 29	22 39.50	−24 53.9	2.787	3.769	4.2	21.4
9 8	22 31.25	−25 12.2	2.804	3.760	5.6	21.5
9 18	22 23.53	−25 17.2	2.848	3.751	7.7	21.6
9 28	22 16.96	−25 8.1	2.918	3.741	9.9	21.7
10 8	22 12.00	−24 45.6	3.010	3.731	11.8	21.9

507283 2011 GU_{40} 8 31.0 210°.85 5°.0/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.79	−19 59.5	1.903	2.801	11.8	21.7
8 9	22 56.84	−21 14.4	1.841	2.796	8.6	21.5
8 19	22 48.91	−22 29.2	1.804	2.790	5.8	21.4
8 29	22 39.73	−23 35.9	1.794	2.783	5.2	21.3
9 8	22 30.32	−24 27.4	1.811	2.776	7.4	21.4
9 18	22 21.68	−24 59.1	1.854	2.769	10.5	21.6
9 28	22 14.78	−25 9.2	1.920	2.760	13.6	21.8
10 8	22 10.21	−24 58.8	2.006	2.752	16.3	22.0