23114 2000 AL_{16} 9 11.9 315°.35 0°.4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 35.59	− 4 48.8	4.155	5.012	6.8	19.1
8 19	23 32.09	− 5 12.5	4.075	5.008	5.0	19.0
8 29	23 27.79	− 5 40.3	4.022	5.005	2.9	18.8
9 8	23 23.01	− 6 10.2	3.997	5.002	0.8	18.6
9 18	23 18.07	− 6 39.9	4.002	4.999	1.6	18.7
9 28	23 13.35	− 7 7.0	4.036	4.996	3.7	18.9
10 8	23 9.20	− 7 29.6	4.100	4.993	5.7	19.0
10 18	23 5.90	− 7 46.1	4.188	4.990	7.4	19.1

209845 2005 GO_{173} 9 11.9 9°.06 0°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.01	+ 0 35.0	1.638	2.507	14.8	19.8
8 19	23 36.41	− 0 16.3	1.571	2.508	11.0	19.6
8 29	23 30.82	− 1 24.6	1.526	2.509	6.7	19.3
9 8	23 23.94	− 2 44.3	1.506	2.511	2.1	19.0
9 18	23 16.67	− 4 7.8	1.512	2.513	2.7	19.1
9 28	23 10.02	− 5 26.6	1.546	2.515	7.3	19.4
10 8	23 4.90	− 6 33.3	1.604	2.518	11.5	19.6
10 18	23 1.91	− 7 22.9	1.684	2.522	15.0	19.9

183194 2002 TC_5 9 11.9 297°.64 0°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.74	+ 1 47.1	1.441	2.311	16.4	19.8
8 19	23 38.07	+ 1 1.5	1.363	2.300	12.4	19.5
8 29	23 32.04	− 0 5.4	1.306	2.289	7.8	19.2
9 8	23 24.35	− 1 28.3	1.273	2.277	2.7	18.9
9 18	23 16.02	− 2 59.2	1.266	2.267	3.0	18.9
9 28	23 8.29	− 4 27.9	1.284	2.256	8.2	19.2
10 8	23 2.30	− 5 44.5	1.326	2.245	13.0	19.4
10 18	22 58.83	− 6 42.7	1.389	2.235	17.2	19.7

218182 2002 TG_{35} 9 11.9 33°.65 1°.3/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.46	+ 3 0.1	1.254	2.129	18.0	19.9
8 19	23 37.90	+ 2 13.8	1.198	2.136	13.7	19.6
8 29	23 31.88	+ 1 4.1	1.162	2.144	8.6	19.4
9 8	23 24.27	− 0 22.5	1.149	2.152	3.2	19.1
9 18	23 16.23	− 1 56.5	1.160	2.161	3.1	19.1
9 28	23 9.09	− 3 26.6	1.196	2.170	8.3	19.4
10 8	23 3.92	− 4 43.0	1.255	2.180	13.1	19.8
10 18	23 1.39	− 5 39.4	1.334	2.190	17.2	20.0

289556 2005 EW_{251} 9 11.9 263°.87 0°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.40	− 0 56.6	1.886	2.748	13.5	21.3
8 19	23 38.74	− 1 22.4	1.809	2.742	10.1	21.0
8 29	23 32.17	− 2 1.0	1.755	2.737	6.2	20.8
9 8	23 24.34	− 2 48.2	1.726	2.731	1.9	20.5
9 18	23 16.08	− 3 38.9	1.725	2.726	2.5	20.5
9 28	23 8.34	− 4 27.0	1.752	2.720	6.8	20.8
10 8	23 2.01	− 5 6.8	1.804	2.714	10.7	21.0
10 18	22 57.70	− 5 34.7	1.879	2.709	14.0	21.2

308972 2006 TA_{97} 9 11.9 319°.63 7°.0/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.43	−22 12.0	1.896	2.782	12.3	20.7
8 19	23 40.24	−23 15.7	1.840	2.778	9.6	20.6
8 29	23 33.05	−24 14.2	1.807	2.774	7.5	20.4
9 8	23 24.58	−24 59.7	1.801	2.770	7.1	20.4
9 18	23 15.77	−25 25.9	1.820	2.766	8.6	20.5
9 28	23 7.68	−25 29.0	1.864	2.762	11.2	20.7
10 8	23 1.19	−25 8.5	1.930	2.759	13.9	20.8
10 18	22 56.89	−24 26.7	2.016	2.755	16.3	21.0

323687 2005 GX_{72} 9 11.9 187°.22 11°.1/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.47	−34 16.5	1.801	2.650	14.6	21.6
8 19	23 51.49	−35 18.9	1.755	2.649	12.6	21.5
8 29	23 39.80	−36 3.6	1.732	2.649	11.3	21.4
9 8	23 26.50	−36 21.0	1.732	2.647	11.3	21.4
9 18	23 13.00	−36 5.3	1.758	2.645	12.5	21.5
9 28	23 0.80	−35 15.9	1.807	2.643	14.5	21.6
10 8	22 51.04	−33 56.9	1.878	2.640	16.7	21.8
10 18	22 44.34	−32 14.9	1.967	2.636	18.7	21.9

143716 2003 UM_{164} 9 11.9 313°.12 4°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.82	−10 44.3	1.318	2.215	15.9	19.7
8 19	23 41.22	−11 39.2	1.255	2.208	11.7	19.4
8 29	23 33.97	−12 41.4	1.213	2.202	7.2	19.2
9 8	23 24.91	−13 41.9	1.196	2.196	4.2	19.0
9 18	23 15.28	−14 31.4	1.202	2.190	6.5	19.1
9 28	23 6.50	−15 1.9	1.234	2.185	11.0	19.3
10 8	22 59.80	−15 9.6	1.287	2.179	15.4	19.6
10 18	22 55.93	−14 54.1	1.359	2.175	19.2	19.8

67386 2000 OO_{43} 9 11.9 77°.94 3°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.34	+ 6 53.0	1.300	2.152	19.0	18.7
8 19	23 41.34	+ 6 29.9	1.250	2.170	14.7	18.5
8 29	23 33.85	+ 5 41.6	1.219	2.189	9.9	18.3
9 8	23 24.83	+ 4 32.4	1.211	2.208	5.1	18.1
9 18	23 15.50	+ 3 10.2	1.228	2.226	3.8	18.0
9 28	23 7.20	+ 1 45.2	1.270	2.245	7.9	18.3
10 8	23 1.00	+ 0 27.5	1.336	2.263	12.3	18.6
10 18	22 57.52	− 0 35.7	1.424	2.281	16.2	18.9

318561 2005 GC_{113} 9 11.9 93°.49 4°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.80	− 8 50.7	1.468	2.359	15.0	20.5
8 19	23 39.99	−10 37.4	1.425	2.376	10.8	20.3
8 29	23 32.95	−12 32.3	1.405	2.393	6.5	20.1
9 8	23 24.56	−14 24.3	1.411	2.410	4.1	20.0
9 18	23 15.91	−16 2.6	1.443	2.426	6.4	20.2
9 28	23 8.17	−17 18.6	1.502	2.442	10.3	20.5
10 8	23 2.31	−18 8.3	1.583	2.458	14.1	20.8
10 18	22 58.89	−18 31.3	1.685	2.474	17.1	21.0

51591 2001 HN_{15} 9 12.0 24°.17 8°.2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.83	−20 31.0	1.194	2.097	16.8	18.2
8 19	23 44.21	−21 21.6	1.152	2.102	12.9	18.0
8 29	23 35.68	−22 5.5	1.131	2.108	9.5	17.8
9 8	23 25.37	−22 31.9	1.131	2.114	8.2	17.8
9 18	23 14.77	−22 33.1	1.155	2.122	10.1	17.9
9 28	23 5.49	−22 5.8	1.202	2.130	13.6	18.1
10 8	22 58.73	−21 11.8	1.269	2.138	17.2	18.4
10 18	22 55.11	−19 55.7	1.354	2.148	20.4	18.6

515184 2011 UM_{69} 9 12.0 358°.31 1°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.44	− 0 49.8	1.429	2.302	16.4	20.3
8 19	23 40.73	− 0 27.1	1.362	2.299	12.4	20.0
8 29	23 33.58	− 0 17.3	1.315	2.297	7.9	19.8
9 8	23 24.80	− 0 18.0	1.292	2.295	3.1	19.5
9 18	23 15.50	− 0 25.3	1.294	2.295	3.0	19.5
9 28	23 6.96	− 0 34.2	1.322	2.296	7.8	19.8
10 8	23 0.30	− 0 39.5	1.374	2.297	12.3	20.0
10 18	22 56.25	− 0 37.2	1.446	2.300	16.2	20.3

429533 2011 BM_{114} 9 12.0 170°.61 0°.4/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.41	− 1 53.5	1.947	2.806	13.2	22.3
8 19	23 40.10	− 2 42.4	1.876	2.810	9.8	22.0
8 29	23 32.94	− 3 43.6	1.830	2.813	5.9	21.8
9 8	23 24.58	− 4 52.1	1.810	2.815	1.6	21.5
9 18	23 15.85	− 6 1.4	1.819	2.817	2.8	21.6
9 28	23 7.71	− 7 4.8	1.856	2.819	6.9	21.9
10 8	23 1.00	− 7 56.7	1.919	2.819	10.7	22.1
10 18	22 56.31	− 8 33.8	2.006	2.819	13.9	22.4

143857 2003 YU_{11} 9 12.0 113°.90 2°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.07	− 8 57.1	1.510	2.391	15.2	20.1
8 19	23 43.91	− 9 22.9	1.453	2.398	11.1	19.9
8 29	23 35.35	− 9 54.9	1.418	2.404	6.6	19.7
9 8	23 25.29	−10 26.6	1.407	2.411	2.8	19.4
9 18	23 14.86	−10 51.7	1.424	2.417	4.7	19.6
9 28	23 5.36	−11 4.8	1.467	2.423	9.1	19.9
10 8	22 57.86	−11 2.7	1.534	2.429	13.2	20.1
10 18	22 52.98	−10 44.9	1.622	2.435	16.6	20.4

177824 2005 NB_{15} 9 12.0 126°.70 1°.0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	− 3 45.6	1.682	2.552	14.4	21.1
8 19	23 41.18	− 4 32.8	1.624	2.563	10.6	20.9
8 29	23 33.62	− 5 31.5	1.589	2.574	6.2	20.6
9 8	23 24.77	− 6 35.5	1.579	2.585	1.8	20.4
9 18	23 15.61	− 7 37.7	1.597	2.595	3.4	20.5
9 28	23 7.23	− 8 31.2	1.643	2.604	7.8	20.8
10 8	23 0.54	− 9 10.6	1.713	2.614	11.8	21.1
10 18	22 56.13	− 9 33.5	1.806	2.622	15.1	21.3

490456 2009 SA_{240} 9 12.0 335°.77 10°.3/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.47	−30 55.0	1.738	2.615	13.7	19.8
8 19	23 42.09	−31 55.2	1.683	2.601	11.7	19.6
8 29	23 34.31	−32 41.9	1.649	2.587	10.4	19.5
9 8	23 24.99	−33 6.1	1.639	2.574	10.5	19.5
9 18	23 15.29	−33 1.6	1.652	2.561	11.9	19.6
9 28	23 6.46	−32 25.9	1.687	2.549	14.1	19.7
10 8	22 59.58	−31 20.9	1.743	2.538	16.5	19.8
10 18	22 55.27	−29 51.3	1.817	2.528	18.7	20.0

486343 2013 CP_{170} 9 12.0 241°.65 0°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.31	+ 0 29.7	2.073	2.928	12.7	21.7
8 19	23 37.05	− 0 9.8	1.996	2.925	9.5	21.5
8 29	23 31.10	− 1 2.7	1.943	2.923	5.9	21.2
9 8	23 24.06	− 2 5.0	1.915	2.920	1.9	21.0
9 18	23 16.65	− 3 11.2	1.916	2.917	2.3	21.0
9 28	23 9.72	− 4 15.0	1.945	2.914	6.2	21.2
10 8	23 4.03	− 5 10.8	2.001	2.911	9.8	21.5
10 18	23 0.13	− 5 54.4	2.080	2.908	13.0	21.7

172011 2001 UT_{100} 9 12.0 234°.47 1°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.51	− 5 50.4	1.980	2.853	12.5	19.6
8 19	23 38.70	− 6 25.7	1.911	2.852	9.1	19.4
8 29	23 32.10	− 7 9.2	1.865	2.851	5.4	19.2
9 8	23 24.35	− 7 56.0	1.845	2.850	1.7	18.9
9 18	23 16.25	− 8 40.6	1.853	2.849	3.3	19.0
9 28	23 8.70	− 9 17.6	1.889	2.848	7.2	19.3
10 8	23 2.52	− 9 42.8	1.951	2.847	10.7	19.5
10 18	22 58.28	− 9 54.1	2.035	2.847	13.8	19.7

22965 1999 UX_{40} 9 12.0 83°.07 0°.1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.64	− 2 20.8	2.194	3.051	12.0	18.6
8 19	23 38.53	− 2 40.9	2.133	3.065	8.9	18.4
8 29	23 31.87	− 3 10.1	2.096	3.078	5.3	18.2
9 8	23 24.25	− 3 44.8	2.086	3.091	1.6	18.0
9 18	23 16.42	− 4 20.7	2.105	3.105	2.3	18.0
9 28	23 9.16	− 4 53.2	2.152	3.118	5.9	18.3
10 8	23 3.17	− 5 18.7	2.226	3.131	9.2	18.5
10 18	22 58.92	− 5 34.4	2.323	3.144	12.0	18.7

171227 2005 JS_{151} 9 12.0 222°.05 0°.1/12.0 18

8 9	23 44.13	− 2 1.4	1.891	2.755	13.4	20.6
8 19	23 39.25	− 2 27.7	1.818	2.753	10.0	20.3
8 29	23 32.49	− 3 5.7	1.768	2.751	6.0	20.1
9 8	23 24.48	− 3 51.0	1.743	2.749	1.8	19.8
9 18	23 16.06	− 4 38.4	1.747	2.747	2.6	19.9
9 28	23 8.21	− 5 21.9	1.778	2.744	6.8	20.2
10 8	23 1.79	− 5 56.6	1.834	2.742	10.7	20.4
10 18	22 57.40	− 6 18.9	1.914	2.740	14.0	20.6

211633 2003 UE_{141} 9 12.0 52°.25 4°.2/ 9.3 18

8 9	23 48.86	−11 12.6	1.188	2.087	17.1	19.6
8 19	23 43.39	−11 54.5	1.145	2.099	12.5	19.3
8 29	23 35.15	−12 41.3	1.122	2.111	7.7	19.1
9 8	23 25.24	−13 23.9	1.123	2.124	4.2	19.0
9 18	23 15.05	−13 53.7	1.147	2.137	6.4	19.1
9 28	23 6.08	−14 4.8	1.196	2.150	11.0	19.4
10 8	22 59.49	−13 55.0	1.266	2.164	15.3	19.7
10 18	22 55.91	−13 25.1	1.356	2.177	18.9	20.0

275501 1995 RH_1 9 12.0 43°.98 4°.3/16.1 16

8 9	23 41.46	+ 9 53.0	1.378	2.220	18.6	19.6
8 19	23 37.67	+ 9 27.1	1.327	2.238	14.7	19.4
8 29	23 31.64	+ 8 33.9	1.294	2.257	10.3	19.2
9 8	23 24.23	+ 7 17.2	1.284	2.276	6.0	19.0
9 18	23 16.52	+ 5 44.6	1.299	2.295	4.4	19.0
9 28	23 9.69	+ 4 6.3	1.339	2.315	7.4	19.2
10 8	23 4.72	+ 2 33.1	1.404	2.336	11.4	19.5
10 18	23 2.18	+ 1 13.2	1.491	2.356	15.1	19.8

357725 2005 QW_{136} 9 12.0 18°.84 1°.5/10.6 18

8 9	23 42.71	− 6 11.7	1.697	2.579	13.7	20.8
8 19	23 38.30	− 6 43.7	1.637	2.583	10.0	20.6
8 29	23 31.93	− 7 24.3	1.600	2.587	5.9	20.4
9 8	23 24.31	− 8 8.0	1.587	2.592	1.9	20.1
9 18	23 16.36	− 8 48.7	1.601	2.598	3.7	20.2
9 28	23 9.10	− 9 20.5	1.642	2.604	7.8	20.5
10 8	23 3.41	− 9 39.3	1.707	2.610	11.6	20.8
10 18	22 59.87	− 9 43.1	1.794	2.617	14.9	21.0

76148 2000 EP_{17} 9 12.0 217°.63 2°.7/ 9.9 18

8 9	23 48.84	− 9 32.5	1.674	2.553	14.1	19.2
8 19	23 42.97	−10 4.4	1.605	2.549	10.3	18.9
8 29	23 34.83	−10 42.1	1.558	2.545	6.2	18.7
9 8	23 25.18	−11 19.4	1.537	2.540	2.9	18.5
9 18	23 15.06	−11 49.9	1.544	2.535	4.8	18.6
9 28	23 5.66	−12 8.2	1.577	2.530	8.9	18.8
10 8	22 58.01	−12 11.0	1.635	2.525	12.8	19.0
10 18	22 52.81	−11 57.3	1.714	2.519	16.2	19.3

298278 2002 XL_{54} 9 12.0 316°.68 7°.6/ 4.5 18

8 9	23 42.07	−19 24.7	1.537	2.438	13.8	19.4
8 19	23 38.44	−20 54.7	1.461	2.410	10.7	19.1
8 29	23 32.36	−22 25.5	1.407	2.382	8.2	18.9
9 8	23 24.53	−23 46.4	1.378	2.355	7.8	18.8
9 18	23 15.95	−24 47.0	1.373	2.328	10.0	18.9
9 28	23 7.93	−25 19.6	1.391	2.302	13.4	19.0
10 8	23 1.65	−25 21.1	1.430	2.276	16.9	19.2
10 18	22 57.94	−24 52.8	1.486	2.251	20.1	19.3

318379 2004 VV_{98} 9 12.0 3°.78 0°.3/12.2 18

8 9	23 43.26	− 1 9.2	1.486	2.361	15.7	21.0
8 19	23 39.01	− 1 35.5	1.421	2.361	11.8	20.7
8 29	23 32.51	− 2 16.9	1.376	2.361	7.2	20.5
9 8	23 24.51	− 3 8.4	1.356	2.361	2.2	20.2
9 18	23 16.05	− 4 3.4	1.361	2.362	3.0	20.2
9 28	23 8.32	− 4 54.2	1.393	2.363	7.9	20.5
10 8	23 2.34	− 5 34.0	1.448	2.365	12.3	20.8
10 18	22 58.79	− 5 58.9	1.524	2.367	16.1	21.1

313115 2000 YL_{17} 9 12.0 271°.53 4°.0/16.5 17

8 9	23 43.51	+10 36.3	2.566	3.360	12.3	21.1
8 19	23 38.60	+10 43.8	2.453	3.333	10.0	20.9
8 29	23 32.08	+10 36.0	2.363	3.305	7.5	20.7
9 8	23 24.39	+10 13.1	2.299	3.277	5.0	20.5
9 18	23 16.16	+ 9 36.6	2.262	3.248	4.1	20.4
9 28	23 8.13	+ 8 50.1	2.254	3.219	5.8	20.5
10 8	23 1.07	+ 7 58.5	2.275	3.190	8.5	20.6
10 18	22 55.57	+ 7 7.1	2.320	3.160	11.4	20.7

42623 1998 FT_{27} 9 12.0 103°.38 1°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.78	+ 1 51.7	1.433	2.297	16.8	19.1
8 19	23 40.96	+ 1 31.9	1.368	2.299	12.8	18.8
8 29	23 33.72	+ 0 53.6	1.322	2.302	8.1	18.6
9 8	23 24.87	+ 0 0.9	1.301	2.304	3.2	18.3
9 18	23 15.53	− 0 59.5	1.305	2.306	3.0	18.3
9 28	23 6.97	− 1 59.3	1.336	2.309	7.8	18.6
10 8	23 0.30	− 2 50.7	1.390	2.311	12.4	18.9
10 18	22 56.24	− 3 28.3	1.466	2.313	16.4	19.1

255471 2005 YP_{127} 9 12.0 250°.75 3°.3/ 7.8 18

8 9	23 43.53	−14 5.9	2.680	3.554	9.6	21.6
8 19	23 38.43	−14 53.3	2.595	3.536	7.1	21.4
8 29	23 31.86	−15 42.5	2.536	3.517	4.6	21.3
9 8	23 24.29	−16 28.6	2.505	3.497	3.3	21.1
9 18	23 16.36	−17 7.0	2.503	3.478	4.7	21.2
9 28	23 8.77	−17 33.8	2.529	3.457	7.3	21.3
10 8	23 2.20	−17 46.6	2.582	3.437	10.0	21.5
10 18	22 57.15	−17 44.5	2.657	3.416	12.3	21.6

332960 2011 EZ_{15} 9 12.0 242°.41 0°.5/11.6 18

8 9	23 47.92	− 3 48.9	1.765	2.630	14.1	21.2
8 19	23 42.31	− 4 8.1	1.682	2.618	10.5	21.0
8 29	23 34.47	− 4 37.9	1.623	2.607	6.3	20.7
9 8	23 25.11	− 5 14.0	1.589	2.594	1.8	20.4
9 18	23 15.15	− 5 51.0	1.582	2.581	3.1	20.5
9 28	23 5.74	− 6 23.0	1.603	2.568	7.7	20.7
10 8	22 57.92	− 6 45.0	1.650	2.554	11.9	20.9
10 18	22 52.42	− 6 54.0	1.719	2.540	15.5	21.2

20023 1992 AR 9 12.0 251°.81 5°.4/ 6.1 18

8 9	23 44.79	−16 56.2	2.017	2.902	11.7	18.7
8 19	23 39.80	−18 12.9	1.944	2.887	8.9	18.4
8 29	23 32.87	−19 30.6	1.895	2.872	6.3	18.3
9 8	23 24.62	−20 41.7	1.873	2.856	5.4	18.2
9 18	23 15.88	−21 38.9	1.878	2.840	7.2	18.3
9 28	23 7.64	−22 16.4	1.909	2.823	10.2	18.4
10 8	23 0.80	−22 31.6	1.965	2.806	13.2	18.6
10 18	22 56.01	−22 24.7	2.040	2.789	15.8	18.7

57431 2001 SB_{39} 9 12.0 315°.77 1°.0/11.0 18

8 9	23 41.67	− 4 6.6	1.838	2.713	13.2	18.8
8 19	23 37.53	− 4 48.2	1.764	2.706	9.7	18.5
8 29	23 31.50	− 5 40.8	1.712	2.698	5.8	18.3
9 8	23 24.22	− 6 39.2	1.686	2.692	1.7	18.0
9 18	23 16.50	− 7 37.2	1.687	2.685	3.2	18.1
9 28	23 9.31	− 8 28.2	1.715	2.678	7.4	18.3
10 8	23 3.52	− 9 7.0	1.769	2.672	11.3	18.6
10 18	22 59.75	− 9 30.3	1.844	2.666	14.6	18.8

258932 2002 RS_{88} 9 12.0 249°.62 1°.1/12.9 18

8 9	23 48.16	− 0 23.0	1.571	2.432	15.7	20.2
8 19	23 42.67	− 0 23.9	1.494	2.425	11.9	19.9
8 29	23 34.77	− 0 38.7	1.439	2.419	7.5	19.6
9 8	23 25.20	− 1 4.2	1.408	2.412	2.7	19.3
9 18	23 15.03	− 1 35.6	1.404	2.404	2.9	19.3
9 28	23 5.51	− 2 6.8	1.426	2.397	7.7	19.6
10 8	22 57.78	− 2 31.8	1.474	2.390	12.2	19.9
10 18	22 52.60	− 2 46.3	1.543	2.382	16.1	20.1

294873 2008 CA_{203} 9 12.0 354°.87 1°.9/10.2 18

8 9	23 41.88	− 6 40.2	1.807	2.688	13.1	20.6
8 19	23 37.66	− 7 24.7	1.741	2.687	9.5	20.4
8 29	23 31.55	− 8 17.6	1.697	2.685	5.6	20.1
9 8	23 24.22	− 9 13.3	1.680	2.684	2.1	19.9
9 18	23 16.52	−10 5.4	1.689	2.684	3.9	20.0
9 28	23 9.42	−10 47.6	1.725	2.683	7.8	20.3
10 8	23 3.76	−11 15.6	1.786	2.683	11.5	20.5
10 18	23 0.15	−11 27.1	1.869	2.683	14.7	20.7

62057 2000 RY_{69} 9 12.0 20°.55 1°.6/10.9 18

8 9	23 42.54	− 5 22.2	1.133	2.033	17.6	17.9
8 19	23 38.84	− 5 52.5	1.087	2.042	12.9	17.7
8 29	23 32.50	− 6 35.5	1.061	2.052	7.6	17.4
9 8	23 24.51	− 7 23.5	1.057	2.063	2.3	17.2
9 18	23 16.17	− 8 8.0	1.077	2.075	4.4	17.3
9 28	23 8.90	− 8 40.8	1.120	2.089	9.6	17.7
10 8	23 3.82	− 8 56.7	1.185	2.104	14.3	18.0
10 18	23 1.55	− 8 53.6	1.269	2.119	18.2	18.3

375175 2008 DA_{17} 9 12.0 154°.81 0°.2/12.2 17

8 9	23 46.28	− 0 42.1	1.743	2.603	14.5	21.6
8 19	23 40.93	− 1 19.6	1.677	2.609	10.8	21.4
8 29	23 33.53	− 2 11.2	1.633	2.614	6.6	21.1
9 8	23 24.80	− 3 11.8	1.614	2.619	2.0	20.9
9 18	23 15.70	− 4 15.1	1.624	2.624	2.7	20.9
9 28	23 7.28	− 5 13.9	1.661	2.628	7.2	21.2
10 8	23 0.46	− 6 2.2	1.723	2.631	11.3	21.5
10 18	22 55.88	− 6 36.1	1.808	2.634	14.7	21.7

521764 2015 RS_{276} 9 12.0 213°.92 4°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.66	−18 47.6	2.437	3.319	10.1	21.5
8 19	23 37.83	−19 47.3	2.377	3.317	7.7	21.3
8 29	23 31.49	−20 45.0	2.342	3.315	5.6	21.2
9 8	23 24.19	−21 35.2	2.335	3.313	4.9	21.2
9 18	23 16.63	−22 12.6	2.355	3.311	6.3	21.2
9 28	23 9.56	−22 33.7	2.401	3.309	8.6	21.4
10 8	23 3.66	−22 37.0	2.473	3.307	11.1	21.6
10 18	22 59.43	−22 22.9	2.565	3.304	13.2	21.7

52510 1996 GA_{11} 9 12.0 312°.28 0°.1/11.9 18

8 9	23 41.84	− 1 45.1	1.676	2.549	14.4	19.7
8 19	23 37.88	− 2 19.0	1.597	2.536	10.7	19.4
8 29	23 31.84	− 3 7.0	1.540	2.524	6.5	19.1
9 8	23 24.36	− 4 4.5	1.507	2.513	1.9	18.8
9 18	23 16.34	− 5 5.0	1.501	2.501	2.9	18.9
9 28	23 8.85	− 6 1.2	1.522	2.490	7.6	19.1
10 8	23 2.87	− 6 46.5	1.567	2.480	11.9	19.4
10 18	22 59.10	− 7 16.7	1.634	2.469	15.5	19.6

249731 2000 SS_{54} 9 12.0 335°.60 1°.5/13.2 18

8 9	23 38.34	+ 2 51.0	1.069	1.958	19.4	19.6
8 19	23 36.18	+ 2 12.7	1.000	1.945	14.9	19.3
8 29	23 31.22	+ 1 6.6	0.949	1.934	9.5	18.9
9 8	23 24.25	− 0 22.1	0.919	1.923	3.6	18.6
9 18	23 16.49	− 2 3.2	0.911	1.913	3.4	18.5
9 28	23 9.49	− 3 43.1	0.927	1.905	9.4	18.9
10 8	23 4.64	− 5 8.7	0.963	1.897	15.1	19.1
10 18	23 2.82	− 6 11.2	1.018	1.891	19.9	19.4

117245 2004 SC_{32} 9 12.0 29°.64 0°.2/11.8 18

8 9	23 41.04	− 2 2.6	1.582	2.460	14.8	19.5
8 19	23 37.10	− 2 38.0	1.533	2.475	10.9	19.3
8 29	23 31.20	− 3 26.2	1.506	2.492	6.5	19.1
9 8	23 24.13	− 4 21.6	1.503	2.508	1.8	18.8
9 18	23 16.81	− 5 17.6	1.526	2.526	2.9	18.9
9 28	23 10.26	− 6 7.1	1.576	2.545	7.3	19.2
10 8	23 5.33	− 6 44.8	1.650	2.564	11.3	19.5
10 18	23 2.54	− 7 7.6	1.746	2.584	14.6	19.8

27114 Lukasiewicz 9 12.0 236°.81 0°.3/11.7 18

8 9	23 40.89	− 2 51.9	2.728	3.583	10.0	20.0
8 19	23 36.42	− 3 26.4	2.642	3.573	7.4	19.8
8 29	23 30.63	− 4 9.2	2.580	3.562	4.4	19.6
9 8	23 23.97	− 4 56.8	2.546	3.551	1.2	19.4
9 18	23 16.98	− 5 45.5	2.542	3.540	2.1	19.4
9 28	23 10.33	− 6 30.9	2.567	3.529	5.3	19.6
10 8	23 4.60	− 7 9.3	2.619	3.517	8.3	19.8
10 18	23 0.26	− 7 37.8	2.696	3.505	10.9	20.0

212116 2005 ER_{184} 9 12.0 282°.80 1°.5/13.4 18

8 9	23 43.34	+ 1 58.7	1.840	2.693	14.2	20.6
8 19	23 38.82	+ 1 43.2	1.758	2.684	10.8	20.3
8 29	23 32.34	+ 1 12.5	1.698	2.675	6.9	20.1
9 8	23 24.51	+ 0 29.8	1.664	2.665	2.9	19.8
9 18	23 16.18	− 0 20.3	1.656	2.656	2.6	19.8
9 28	23 8.34	− 1 11.6	1.676	2.647	6.7	20.0
10 8	23 1.92	− 1 57.7	1.721	2.638	10.7	20.3
10 18	22 57.58	− 2 33.8	1.789	2.629	14.2	20.5

288019 2003 UG_{221} 9 12.0 338°.35 1°.5/13.5 18

8 9	23 41.29	+ 1 38.5	1.965	2.819	13.3	20.6
8 19	23 37.17	+ 1 31.7	1.885	2.811	10.2	20.4
8 29	23 31.27	+ 1 11.7	1.828	2.804	6.5	20.1
9 8	23 24.18	+ 0 41.1	1.796	2.797	2.8	19.9
9 18	23 16.67	+ 0 3.8	1.790	2.791	2.4	19.9
9 28	23 9.63	− 0 34.9	1.813	2.785	6.2	20.1
10 8	23 3.88	− 1 9.8	1.861	2.779	9.9	20.3
10 18	23 0.02	− 1 36.5	1.932	2.774	13.2	20.5

462579 2009 EQ_{25} 9 12.0 71°.92 0°.9/11.3 17

8 9	23 47.35	− 2 51.0	1.281	2.163	17.3	21.1
8 19	23 42.04	− 3 41.1	1.240	2.184	12.7	20.9
8 29	23 34.26	− 4 45.8	1.219	2.206	7.5	20.7
9 8	23 25.02	− 5 57.1	1.222	2.228	2.1	20.4
9 18	23 15.57	− 7 5.7	1.251	2.250	3.8	20.6
9 28	23 7.25	− 8 3.0	1.305	2.271	8.9	21.0
10 8	23 1.08	− 8 43.2	1.382	2.292	13.3	21.3
10 18	22 57.62	− 9 3.7	1.480	2.313	17.0	21.6

136377 2004 FV_{22} 9 12.0 218°.47 0°.1/11.9 18

8 9	23 42.01	− 1 22.5	1.962	2.825	13.0	20.2
8 19	23 37.64	− 2 5.4	1.889	2.824	9.6	20.0
8 29	23 31.52	− 3 0.9	1.840	2.823	5.8	19.7
9 8	23 24.25	− 4 4.2	1.817	2.822	1.7	19.5
9 18	23 16.60	− 5 9.5	1.822	2.821	2.6	19.5
9 28	23 9.48	− 6 10.2	1.854	2.820	6.7	19.8
10 8	23 3.69	− 7 0.7	1.913	2.819	10.4	20.0
10 18	22 59.80	− 7 37.4	1.995	2.818	13.6	20.2

300055 2006 UQ_{178} 9 12.0 284°.80 1°.9/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 41.35	− 6 2.2	1.971	2.848	12.3	20.8
8 19	23 37.28	− 7 1.1	1.888	2.832	9.1	20.5
8 29	23 31.39	− 8 10.1	1.828	2.815	5.4	20.3
9 8	23 24.23	− 9 23.7	1.794	2.799	2.0	20.0
9 18	23 16.58	−10 34.9	1.789	2.782	3.9	20.1
9 28	23 9.36	−11 36.9	1.811	2.766	7.8	20.4
10 8	23 3.42	−12 24.3	1.858	2.749	11.5	20.5
10 18	22 59.40	−12 54.0	1.927	2.732	14.7	20.7

187015 2004 UM_{2} 9 12.0 19°.99 5°.7/ 6.1 18

8 9	23 43.67	−19 1.2	1.981	2.869	11.8	19.5
8 19	23 38.84	−20 0.6	1.928	2.872	8.9	19.3
8 29	23 32.19	−20 57.3	1.900	2.874	6.5	19.2
9 8	23 24.42	−21 44.2	1.897	2.877	5.7	19.1
9 18	23 16.38	−22 15.6	1.921	2.880	7.3	19.2
9 28	23 9.01	−22 27.5	1.970	2.883	9.9	19.4
10 8	23 3.10	−22 19.0	2.043	2.887	12.7	19.6
10 18	22 59.19	−21 51.1	2.136	2.891	15.1	19.8

181255 2005 UC_{317} 9 12.0 337°.15 2°.5/14.9 18

8 9	23 40.26	+ 6 42.7	2.041	2.874	13.7	20.1
8 19	23 36.33	+ 6 9.8	1.963	2.873	10.7	19.9
8 29	23 30.72	+ 5 18.7	1.907	2.872	7.2	19.7
9 8	23 24.02	+ 4 12.4	1.876	2.872	3.8	19.5
9 18	23 16.94	+ 2 55.8	1.872	2.871	2.8	19.4
9 28	23 10.34	+ 1 35.6	1.897	2.870	5.9	19.6
10 8	23 4.99	+ 0 19.0	1.948	2.869	9.4	19.9
10 18	23 1.43	− 0 48.2	2.024	2.869	12.6	20.1

434550 2005 TY_{94} 9 12.0 233°.99 1°.9/13.7 18

8 9	23 46.05	+ 2 49.9	1.835	2.680	14.5	21.3
8 19	23 40.87	+ 2 39.0	1.750	2.671	11.2	21.0
8 29	23 33.61	+ 2 12.4	1.688	2.662	7.3	20.8
9 8	23 24.91	+ 1 32.8	1.651	2.652	3.2	20.5
9 18	23 15.65	+ 0 44.6	1.642	2.642	2.7	20.5
9 28	23 6.90	− 0 6.1	1.660	2.631	6.8	20.7
10 8	22 59.63	− 0 52.7	1.704	2.620	10.8	20.9
10 18	22 54.53	− 1 30.2	1.772	2.609	14.4	21.1

261366 2005 UY_{329} 9 12.0 58°.14 3°.7/ 8.3 18

8 9	23 43.67	−12 39.4	1.929	2.814	12.2	20.6
8 19	23 38.75	−13 31.3	1.882	2.828	8.9	20.4
8 29	23 32.10	−14 25.3	1.858	2.843	5.6	20.3
9 8	23 24.40	−15 15.0	1.861	2.857	3.7	20.2
9 18	23 16.50	−15 54.5	1.890	2.872	5.3	20.3
9 28	23 9.31	−16 19.4	1.947	2.886	8.5	20.5
10 8	23 3.58	−16 27.4	2.028	2.901	11.5	20.8
10 18	22 59.81	−16 18.6	2.131	2.916	14.1	21.0

187457 2005 XA_{17} 9 12.0 36°.77 1°.0/10.9 18

8 9	23 41.25	− 4 27.2	1.948	2.821	12.6	19.9
8 19	23 37.03	− 5 9.8	1.887	2.828	9.2	19.8
8 29	23 31.11	− 6 1.8	1.849	2.835	5.4	19.5
9 8	23 24.13	− 6 58.0	1.837	2.842	1.6	19.3
9 18	23 16.86	− 7 52.7	1.853	2.850	3.1	19.4
9 28	23 10.18	− 8 40.0	1.896	2.858	6.9	19.7
10 8	23 4.84	− 9 15.3	1.965	2.866	10.4	19.9
10 18	23 1.36	− 9 36.3	2.056	2.874	13.4	20.1

111032 2001 VJ_{20} 9 12.0 296°.45 0°.5/12.5 18

8 9	23 42.43	− 0 28.3	1.983	2.842	13.0	19.8
8 19	23 37.97	− 0 53.8	1.907	2.838	9.8	19.6
8 29	23 31.74	− 1 31.7	1.853	2.834	6.0	19.4
9 8	23 24.34	− 2 18.2	1.825	2.829	2.0	19.1
9 18	23 16.53	− 3 8.5	1.825	2.825	2.4	19.1
9 28	23 9.22	− 3 56.6	1.852	2.821	6.4	19.4
10 8	23 3.23	− 4 37.4	1.906	2.817	10.1	19.6
10 18	22 59.14	− 5 7.0	1.983	2.813	13.4	19.8

71043 1999 XB_{78} 9 12.0 316°.26 3°.4/14.7 18

8 9	23 41.55	+ 5 22.1	1.489	2.345	16.7	18.5
8 19	23 38.10	+ 5 25.8	1.396	2.319	13.3	18.2
8 29	23 32.24	+ 5 8.9	1.323	2.294	9.1	17.9
9 8	23 24.58	+ 4 32.4	1.273	2.269	4.9	17.6
9 18	23 16.07	+ 3 40.3	1.247	2.245	3.9	17.5
9 28	23 7.97	+ 2 39.7	1.246	2.222	7.9	17.7
10 8	23 1.50	+ 1 39.5	1.269	2.199	12.6	17.9
10 18	22 57.56	+ 0 47.6	1.313	2.177	16.9	18.1

511289 2014 DB_{58} 9 12.0 269°.32 2°.8/ 9.4 18

8 9	23 45.07	− 9 0.5	1.814	2.694	13.1	21.3
8 19	23 40.22	− 9 50.9	1.731	2.676	9.6	21.1
8 29	23 33.26	−10 49.1	1.671	2.658	5.8	20.8
9 8	23 24.82	−11 48.7	1.638	2.640	2.9	20.6
9 18	23 15.79	−12 42.7	1.631	2.621	4.8	20.7
9 28	23 7.25	−13 24.4	1.652	2.602	8.8	20.9
10 8	23 0.19	−13 49.3	1.697	2.583	12.7	21.1
10 18	22 55.33	−13 55.4	1.764	2.563	16.1	21.2

91606 1999 TE_{20} 9 12.0 331°.18 1°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.62	+ 3 43.8	1.913	2.765	13.7	19.2
8 19	23 35.26	+ 2 57.8	1.832	2.757	10.5	19.0
8 29	23 30.17	+ 1 53.8	1.773	2.749	6.7	18.7
9 8	23 23.90	+ 0 35.9	1.740	2.742	2.8	18.5
9 18	23 17.21	− 0 49.9	1.734	2.735	2.4	18.4
9 28	23 10.98	− 2 15.8	1.756	2.728	6.3	18.7
10 8	23 6.02	− 3 34.5	1.803	2.722	10.2	18.9
10 18	23 2.92	− 4 40.0	1.874	2.716	13.6	19.1

390917 2005 EZ_{198} 9 12.0 197°.59 2°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.15	+ 5 24.6	2.122	2.955	13.2	21.8
8 19	23 37.69	+ 4 50.9	2.041	2.953	10.2	21.6
8 29	23 31.54	+ 4 0.5	1.983	2.951	6.8	21.3
9 8	23 24.29	+ 2 56.4	1.951	2.949	3.3	21.1
9 18	23 16.66	+ 1 43.6	1.947	2.947	2.5	21.1
9 28	23 9.49	+ 0 28.3	1.972	2.944	5.8	21.3
10 8	23 3.55	− 0 42.8	2.024	2.941	9.3	21.5
10 18	22 59.40	− 1 44.4	2.100	2.937	12.5	21.7

246562 2008 SS_{167} 9 12.0 356°.06 4°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.80	+10 43.7	1.241	2.095	19.5	19.5
8 19	23 33.93	+10 6.2	1.172	2.090	15.6	19.2
8 29	23 29.69	+ 8 55.1	1.121	2.086	11.1	18.9
9 8	23 23.81	+ 7 13.7	1.091	2.083	6.5	18.7
9 18	23 17.36	+ 5 10.3	1.084	2.082	4.5	18.6
9 28	23 11.62	+ 2 57.9	1.102	2.082	8.0	18.8
10 8	23 7.72	+ 0 51.4	1.144	2.083	12.7	19.0
10 18	23 6.38	− 0 57.8	1.206	2.085	17.0	19.3

38839 2000 SU_{32} 9 12.0 238°.12 2°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.68	− 5 54.9	1.510	2.391	15.2	19.5
8 19	23 41.68	− 6 44.5	1.438	2.383	11.2	19.3
8 29	23 34.24	− 7 45.9	1.388	2.375	6.7	19.0
9 8	23 25.14	− 8 52.3	1.362	2.367	2.4	18.7
9 18	23 15.44	− 9 55.4	1.363	2.358	4.5	18.8
9 28	23 6.42	−10 46.9	1.390	2.350	9.2	19.1
10 8	22 59.22	−11 21.1	1.441	2.340	13.6	19.3
10 18	22 54.59	−11 35.3	1.513	2.331	17.4	19.6

62468 2000 SA_{214} 9 12.0 25°.56 12°.0/ 1.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.93	−33 6.7	1.538	2.412	15.3	17.5
8 19	23 44.81	−34 31.4	1.504	2.415	13.3	17.4
8 29	23 36.01	−35 38.1	1.491	2.417	12.1	17.3
9 8	23 25.60	−36 16.3	1.500	2.420	12.3	17.3
9 18	23 14.94	−36 19.4	1.531	2.423	13.8	17.4
9 28	23 5.50	−35 46.1	1.583	2.427	15.9	17.6
10 8	22 58.39	−34 40.1	1.655	2.430	18.1	17.8
10 18	22 54.21	−33 7.9	1.742	2.434	20.0	17.9

366020 2012 BL_{130} 9 12.0 195°.56 4°.4/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.21	−15 38.8	2.261	3.145	10.7	20.8
8 19	23 37.62	−16 44.1	2.200	3.145	7.9	20.7
8 29	23 31.45	−17 49.9	2.165	3.144	5.4	20.5
9 8	23 24.26	−18 50.1	2.156	3.144	4.4	20.4
9 18	23 16.79	−19 38.9	2.175	3.143	5.9	20.5
9 28	23 9.83	−20 11.9	2.222	3.142	8.6	20.7
10 8	23 4.09	−20 26.9	2.292	3.142	11.3	20.9
10 18	23 0.09	−20 23.7	2.385	3.141	13.6	21.1

85032 3054 P–L 9 12.0 346°.32 5°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.15	+11 7.8	1.507	2.341	17.7	18.2
8 19	23 36.14	+11 11.7	1.430	2.333	14.4	17.9
8 29	23 30.92	+10 49.9	1.371	2.325	10.6	17.7
9 8	23 24.19	+10 3.1	1.335	2.319	7.0	17.5
9 18	23 16.87	+ 8 55.1	1.322	2.313	5.4	17.4
9 28	23 10.13	+ 7 33.6	1.335	2.309	7.7	17.5
10 8	23 5.01	+ 6 8.7	1.371	2.305	11.5	17.7
10 18	23 2.24	+ 4 49.7	1.430	2.302	15.2	17.9

57832 2001 XL_{18} 9 12.0 51°.43 3°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.99	−10 40.5	1.034	1.934	19.0	17.3
8 19	23 46.52	−10 59.1	1.002	1.956	13.9	17.1
8 29	23 37.04	−11 22.3	0.990	1.979	8.3	16.8
9 8	23 25.87	−11 41.9	0.999	2.002	3.8	16.7
9 18	23 14.65	−11 50.3	1.033	2.026	6.0	16.9
9 28	23 5.04	−11 42.8	1.090	2.051	10.9	17.2
10 8	22 58.21	−11 17.9	1.168	2.075	15.5	17.6
10 18	22 54.68	−10 37.0	1.266	2.100	19.2	17.9

476924 2008 WG_{102} 9 12.0 319°.19 0°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.09	− 0 44.2	1.406	2.286	16.1	20.9
8 19	23 37.79	− 1 12.7	1.322	2.265	12.2	20.6
8 29	23 32.06	− 1 59.1	1.259	2.245	7.6	20.3
9 8	23 24.55	− 2 58.7	1.220	2.225	2.4	19.9
9 18	23 16.29	− 4 4.6	1.205	2.206	3.1	19.9
9 28	23 8.56	− 5 7.5	1.215	2.187	8.5	20.2
10 8	23 2.56	− 5 59.1	1.248	2.170	13.5	20.4
10 18	22 59.13	− 6 33.7	1.302	2.153	17.8	20.7

509498 2007 TV_{440} 9 12.0 348°.08 3°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.80	+ 1 35.7	0.965	1.856	20.8	20.3
8 19	23 41.30	+ 2 26.0	0.902	1.846	16.3	20.0
8 29	23 34.50	+ 2 57.5	0.856	1.838	10.9	19.7
9 8	23 25.31	+ 3 10.6	0.830	1.831	5.5	19.4
9 18	23 15.22	+ 3 8.2	0.825	1.825	4.7	19.3
9 28	23 6.07	+ 2 56.8	0.842	1.821	9.9	19.6
10 8	22 59.48	+ 2 44.7	0.879	1.819	15.4	19.9
10 18	22 56.43	+ 2 39.0	0.934	1.818	20.3	20.2

87386 2000 QG_{65} 9 12.1 7°.66 7°.9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.32	−18 48.0	0.920	1.842	18.6	17.5
8 19	23 40.72	−19 13.1	0.882	1.844	14.2	17.3
8 29	23 33.87	−19 31.8	0.862	1.848	9.9	17.1
9 8	23 25.02	−19 33.7	0.861	1.854	7.8	17.0
9 18	23 15.84	−19 11.3	0.882	1.862	9.9	17.1
9 28	23 8.09	−18 21.8	0.923	1.873	13.9	17.4
10 8	23 3.07	−17 7.6	0.983	1.885	18.1	17.7
10 18	23 1.38	−15 33.8	1.060	1.900	21.7	18.0

257394 2009 SV_{215} 9 12.1 311°.60 0°.0/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.54	− 2 14.1	4.060	4.909	7.1	20.8
8 19	23 32.14	− 2 39.6	3.977	4.905	5.3	20.7
8 29	23 27.93	− 3 10.4	3.920	4.901	3.2	20.5
9 8	23 23.23	− 3 44.5	3.892	4.897	0.9	20.3
9 18	23 18.35	− 4 19.7	3.893	4.893	1.3	20.4
9 28	23 13.69	− 4 53.4	3.924	4.889	3.6	20.6
10 8	23 9.60	− 5 23.3	3.984	4.885	5.6	20.7
10 18	23 6.38	− 5 47.5	4.070	4.881	7.4	20.8

358909 2008 GT_{100} 9 12.1 111°.44 4°.7/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.78	−18 4.8	2.260	3.139	10.9	21.5
8 19	23 40.16	−18 50.3	2.207	3.147	8.2	21.4
8 29	23 32.92	−19 33.4	2.179	3.154	5.7	21.2
9 8	23 24.70	−20 8.5	2.178	3.162	4.8	21.2
9 18	23 16.27	−20 31.0	2.205	3.169	6.1	21.3
9 28	23 8.47	−20 37.5	2.259	3.176	8.6	21.5
10 8	23 2.02	−20 27.2	2.338	3.184	11.2	21.7
10 18	22 57.41	−20 0.8	2.439	3.191	13.5	21.8

98823 2000 YF_{135} 9 12.1 25°.90 10°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.62	−24 36.1	1.391	2.293	14.9	18.1
8 19	23 39.51	−26 33.0	1.357	2.299	12.1	18.0
8 29	23 32.90	−28 20.2	1.345	2.305	10.3	17.9
9 8	23 24.73	−29 45.2	1.356	2.311	10.4	17.9
9 18	23 16.23	−30 38.8	1.390	2.318	12.3	18.1
9 28	23 8.74	−30 56.7	1.446	2.326	15.0	18.3
10 8	23 3.31	−30 40.1	1.520	2.334	17.7	18.5
10 18	23 0.56	−29 53.6	1.611	2.343	20.0	18.7

238453 2004 QF 9 12.1 312°.31 7°.8/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.17	+37 9.5	0.917	1.646	33.4	19.6
8 19	23 40.23	+33 57.7	0.804	1.627	29.9	19.2
8 29	23 34.38	+28 34.8	0.704	1.609	24.3	18.7
9 8	23 25.43	+20 25.4	0.625	1.591	16.4	18.2
9 18	23 15.02	+ 9 30.8	0.580	1.575	8.4	17.7
9 28	23 5.49	− 2 46.3	0.577	1.559	12.0	17.8
10 8	22 58.97	−14 9.2	0.616	1.545	21.8	18.2
10 18	22 56.75	−23 6.7	0.688	1.531	29.9	18.7

161809 2006 VM_{144} 9 12.1 183°.53 0°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.42	− 2 48.1	2.038	2.901	12.6	20.4
8 19	23 38.65	− 3 15.6	1.966	2.901	9.3	20.2
8 29	23 32.15	− 3 53.2	1.918	2.901	5.6	20.0
9 8	23 24.52	− 4 36.9	1.895	2.901	1.6	19.7
9 18	23 16.54	− 5 21.5	1.901	2.901	2.5	19.8
9 28	23 9.09	− 6 2.0	1.935	2.901	6.5	20.0
10 8	23 2.95	− 6 33.6	1.995	2.900	10.1	20.3
10 18	22 58.68	− 6 53.4	2.078	2.900	13.2	20.5

230271 2001 XL_{24} 9 12.1 323°.99 4°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.55	+ 4 1.4	1.248	2.116	18.5	20.0
8 19	23 40.07	+ 4 38.7	1.159	2.089	14.7	19.6
8 29	23 33.71	+ 4 57.6	1.090	2.064	10.2	19.3
9 8	23 25.14	+ 4 57.9	1.041	2.038	5.7	19.0
9 18	23 15.47	+ 4 41.6	1.016	2.014	4.7	18.9
9 28	23 6.25	+ 4 14.5	1.014	1.991	9.0	19.0
10 8	22 58.97	+ 3 44.7	1.034	1.969	14.2	19.3
10 18	22 54.74	+ 3 19.9	1.074	1.949	19.0	19.5

355068 2006 SC_{219} 9 12.1 288°.87 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.84	− 6 31.4	1.937	2.813	12.6	21.4
8 19	23 38.35	− 7 15.2	1.865	2.808	9.2	21.2
8 29	23 32.02	− 8 7.3	1.816	2.803	5.4	21.0
9 8	23 24.50	− 9 2.4	1.794	2.799	2.0	20.7
9 18	23 16.58	− 9 54.4	1.799	2.794	3.7	20.9
9 28	23 9.19	−10 37.4	1.832	2.789	7.5	21.1
10 8	23 3.16	−11 7.0	1.890	2.785	11.1	21.3
10 18	22 59.10	−11 21.1	1.970	2.780	14.2	21.5

178819 2001 FX_{153} 9 12.1 182°.12 0°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.47	− 1 31.8	1.829	2.689	13.9	21.5
8 19	23 41.10	− 2 15.2	1.757	2.690	10.4	21.2
8 29	23 33.71	− 3 11.9	1.708	2.690	6.3	21.0
9 8	23 25.00	− 4 16.9	1.685	2.690	1.8	20.7
9 18	23 15.87	− 5 23.6	1.690	2.689	2.8	20.8
9 28	23 7.34	− 6 25.0	1.723	2.688	7.2	21.1
10 8	23 0.33	− 7 15.1	1.782	2.686	11.2	21.3
10 18	22 55.48	− 7 50.3	1.864	2.683	14.6	21.5

269139 2007 TJ_{284} 9 12.1 301°.37 2°.5/ 9.4 18

8 9	23 45.07	−12 22.9	2.546	3.417	10.1	20.2
8 19	23 39.58	−12 37.1	2.469	3.408	7.4	20.1
8 29	23 32.60	−12 52.6	2.417	3.400	4.6	19.9
9 8	23 24.65	−13 5.5	2.392	3.392	2.5	19.7
9 18	23 16.41	−13 12.5	2.397	3.384	3.8	19.8
9 28	23 8.60	−13 10.5	2.431	3.376	6.7	20.0
10 8	23 1.92	−12 57.9	2.491	3.368	9.5	20.1
10 18	22 56.86	−12 34.2	2.575	3.360	12.0	20.3

223428 2003 SC_{260} 9 12.1 317°.85 1°.5/10.5 18

8 9	23 42.50	− 7 8.9	2.057	2.932	12.0	19.7
8 19	23 38.05	− 7 35.0	1.977	2.919	8.8	19.5
8 29	23 31.85	− 8 7.8	1.921	2.907	5.2	19.3
9 8	23 24.46	− 8 42.9	1.891	2.896	1.9	19.0
9 18	23 16.66	− 9 15.5	1.889	2.884	3.4	19.1
9 28	23 9.32	− 9 40.7	1.914	2.873	7.1	19.3
10 8	23 3.25	− 9 54.8	1.965	2.862	10.6	19.5
10 18	22 59.03	− 9 55.7	2.038	2.851	13.7	19.7

41861 2000 WH_{96} 9 12.1 211°.21 1°.8/10.4 18

8 9	23 45.14	− 6 36.1	1.816	2.692	13.3	19.7
8 19	23 40.13	− 7 16.9	1.747	2.690	9.7	19.5
8 29	23 33.14	− 8 6.2	1.701	2.688	5.8	19.3
9 8	23 24.84	− 8 58.3	1.681	2.686	2.1	19.0
9 18	23 16.14	− 9 47.0	1.689	2.684	3.8	19.1
9 28	23 8.04	−10 26.2	1.724	2.681	7.9	19.4
10 8	23 1.46	−10 51.5	1.783	2.679	11.7	19.6
10 18	22 57.02	−11 0.9	1.865	2.676	14.9	19.8

242287 2003 UW_{155} 9 12.1 229°.91 2°.0/ 9.4 18

8 9	23 40.98	− 8 48.6	2.642	3.514	9.8	21.2
8 19	23 36.56	− 9 37.5	2.566	3.507	7.1	21.0
8 29	23 30.78	−10 31.4	2.514	3.500	4.3	20.8
9 8	23 24.12	−11 25.8	2.491	3.493	2.1	20.6
9 18	23 17.17	−12 16.2	2.497	3.486	3.5	20.7
9 28	23 10.59	−12 58.3	2.531	3.478	6.3	20.9
10 8	23 4.98	−13 28.7	2.593	3.470	9.1	21.1
10 18	23 0.82	−13 45.9	2.677	3.462	11.6	21.2

516083 2015 TW_{331} 9 12.1 157°.24 3°.2/ 7.8 18

8 9	23 40.65	−12 4.4	2.497	3.377	10.0	21.2
8 19	23 36.35	−13 13.0	2.434	3.379	7.3	21.0
8 29	23 30.66	−14 24.8	2.397	3.381	4.6	20.8
9 8	23 24.08	−15 34.1	2.388	3.383	3.2	20.8
9 18	23 17.25	−16 35.4	2.408	3.385	4.7	20.9
9 28	23 10.84	−17 24.3	2.455	3.387	7.3	21.0
10 8	23 5.50	−17 57.7	2.529	3.388	10.0	21.2
10 18	23 1.68	−18 14.6	2.625	3.390	12.3	21.4

435816 2008 WF_{23} 9 12.1 333°.11 5°.6/ 7.7 18

8 9	23 44.91	−15 2.5	1.408	2.307	14.9	20.3
8 19	23 40.53	−15 56.2	1.345	2.298	11.1	20.0
8 29	23 33.63	−16 51.7	1.304	2.288	7.4	19.8
9 8	23 25.03	−17 40.1	1.286	2.280	5.6	19.7
9 18	23 15.89	−18 13.0	1.293	2.272	7.7	19.8
9 28	23 7.56	−18 24.0	1.325	2.264	11.5	20.0
10 8	23 1.17	−18 10.9	1.377	2.257	15.4	20.2
10 18	22 57.47	−17 34.9	1.449	2.251	18.8	20.4

315327 2007 TK_{373} 9 12.1 22°.39 6°.4/ 8.8 17

8 9	23 45.83	−14 39.3	0.809	1.734	20.1	19.3
8 19	23 41.94	−15 13.7	0.780	1.745	14.9	19.1
8 29	23 34.62	−15 47.9	0.768	1.758	9.6	18.9
9 8	23 25.28	−16 10.5	0.775	1.773	6.5	18.8
9 18	23 15.73	−16 12.2	0.802	1.790	8.8	19.0
9 28	23 7.85	−15 48.6	0.850	1.809	13.5	19.3
10 8	23 2.91	−15 0.3	0.916	1.828	18.1	19.7
10 18	23 1.46	−13 51.4	0.999	1.850	22.0	20.0

133972 2004 TL_{207} 9 12.1 202°.19 1°.9/10.1 18

8 9	23 45.47	− 7 31.2	2.150	3.019	11.8	21.5
8 19	23 40.13	− 8 16.0	2.075	3.015	8.6	21.3
8 29	23 33.05	− 9 7.7	2.025	3.011	5.1	21.1
9 8	23 24.82	−10 1.1	2.003	3.006	2.1	20.8
9 18	23 16.21	−10 50.5	2.008	3.001	3.7	20.9
9 28	23 8.11	−11 30.9	2.043	2.995	7.2	21.2
10 8	23 1.30	−11 58.3	2.103	2.989	10.6	21.4
10 18	22 56.36	−12 10.9	2.187	2.982	13.5	21.6

349988 2010 EW_{140} 9 12.1 275°.77 0°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.92	− 1 4.1	1.763	2.629	14.1	21.3
8 19	23 38.55	− 1 45.7	1.692	2.628	10.5	21.1
8 29	23 32.22	− 2 41.4	1.643	2.627	6.4	20.9
9 8	23 24.60	− 3 46.2	1.620	2.626	1.9	20.6
9 18	23 16.55	− 4 53.6	1.624	2.624	2.7	20.6
9 28	23 9.09	− 5 56.1	1.656	2.623	7.2	20.9
10 8	23 3.11	− 6 47.7	1.712	2.622	11.2	21.2
10 18	22 59.24	− 7 24.2	1.791	2.621	14.6	21.4

182958 2002 JH_{62} 9 12.1 158°.38 4°.3/ 8.3 18

8 9	23 48.00	−11 51.9	1.594	2.480	14.3	20.3
8 19	23 42.44	−13 0.2	1.537	2.484	10.5	20.1
8 29	23 34.59	−14 13.1	1.503	2.488	6.6	19.9
9 8	23 25.29	−15 22.2	1.495	2.492	4.3	19.7
9 18	23 15.59	−16 19.1	1.514	2.495	6.3	19.9
9 28	23 6.72	−16 57.2	1.559	2.498	10.1	20.1
10 8	22 59.68	−17 13.5	1.627	2.501	13.8	20.3
10 18	22 55.12	−17 8.0	1.715	2.503	16.9	20.6

154187 2002 GC_{122} 9 12.1 71°.64 0°.9/11.0 18

8 9	23 42.60	− 4 32.1	2.131	2.998	11.9	20.3
8 19	23 37.86	− 5 13.5	2.078	3.017	8.7	20.2
8 29	23 31.57	− 6 3.0	2.050	3.035	5.1	20.0
9 8	23 24.36	− 6 55.6	2.048	3.053	1.5	19.8
9 18	23 16.96	− 7 46.4	2.074	3.071	2.8	19.9
9 28	23 10.17	− 8 30.1	2.129	3.089	6.4	20.2
10 8	23 4.65	− 9 2.9	2.209	3.107	9.6	20.4
10 18	23 0.87	− 9 22.8	2.314	3.125	12.3	20.6

515867 2015 OE_{88} 9 12.1 348°.52 1°.0/13.2 18

8 9	23 39.28	+ 2 33.4	1.832	2.689	14.0	21.2
8 19	23 35.82	+ 1 47.3	1.757	2.686	10.6	20.9
8 29	23 30.56	+ 0 44.0	1.704	2.683	6.7	20.7
9 8	23 24.12	− 0 32.1	1.677	2.680	2.5	20.4
9 18	23 17.26	− 1 54.6	1.677	2.678	2.4	20.4
9 28	23 10.92	− 3 15.7	1.704	2.676	6.5	20.7
10 8	23 5.92	− 4 28.0	1.757	2.674	10.5	20.9
10 18	23 2.85	− 5 26.3	1.833	2.673	13.9	21.1

385353 2002 PZ_{46} 9 12.1 50°.07 16°.2/19.0 15

8 9	0 1.26	+18 14.6	0.937	1.746	27.6	19.7
8 19	23 54.15	+21 25.1	0.888	1.755	24.2	19.5
8 29	23 42.65	+24 3.9	0.853	1.764	20.5	19.3
9 8	23 27.87	+25 56.8	0.837	1.773	17.6	19.2
9 18	23 11.78	+26 54.5	0.839	1.783	16.2	19.2
9 28	22 56.99	+26 58.4	0.862	1.793	17.1	19.2
10 8	22 45.71	+26 21.6	0.902	1.804	19.5	19.4
10 18	22 39.15	+25 21.6	0.960	1.815	22.4	19.7

406755 2008 JQ_{29} 9 12.1 44°.93 3°.1/ 8.6 18

8 9	23 40.54	− 9 19.7	1.889	2.775	12.3	20.5
8 19	23 36.56	−10 35.4	1.840	2.789	8.9	20.4
8 29	23 30.89	−11 56.8	1.816	2.804	5.4	20.2
9 8	23 24.18	−13 16.7	1.818	2.818	3.1	20.1
9 18	23 17.24	−14 27.7	1.848	2.833	4.9	20.2
9 28	23 10.94	−15 24.0	1.905	2.849	8.3	20.4
10 8	23 6.02	−16 1.8	1.986	2.864	11.5	20.7
10 18	23 2.98	−16 20.1	2.088	2.880	14.2	20.9

175936 2000 EJ_{73} 9 12.1 237°.02 0°.1/12.2 17

8 9	23 38.72	− 2 1.1	3.477	4.324	8.2	21.6
8 19	23 34.62	− 2 24.2	3.390	4.316	6.1	21.4
8 29	23 29.52	− 2 53.8	3.328	4.307	3.7	21.2
9 8	23 23.77	− 3 27.4	3.294	4.299	1.1	21.0
9 18	23 17.79	− 4 2.5	3.290	4.290	1.5	21.0
9 28	23 12.07	− 4 36.1	3.316	4.281	4.1	21.2
10 8	23 7.04	− 5 5.5	3.371	4.272	6.5	21.4
10 18	23 3.08	− 5 28.3	3.451	4.263	8.6	21.5

472879 2015 FG_{310} 9 12.1 202°.75 2°.9/ 9.4 17

8 9	23 47.41	− 9 29.8	1.845	2.721	13.1	22.3
8 19	23 41.83	−10 20.7	1.774	2.718	9.6	22.0
8 29	23 34.19	−11 17.8	1.728	2.714	5.8	21.8
9 8	23 25.20	−12 14.7	1.708	2.709	3.0	21.6
9 18	23 15.76	−13 4.7	1.716	2.704	4.8	21.7
9 28	23 6.94	−13 41.8	1.751	2.699	8.6	22.0
10 8	22 59.68	−14 2.2	1.811	2.692	12.2	22.2
10 18	22 54.61	−14 4.7	1.893	2.686	15.4	22.4

437796 2015 CS_{48} 9 12.1 73°.05 2°.4/ 9.9 17

8 9	23 44.37	− 5 58.4	1.494	2.379	15.1	20.8
8 19	23 39.73	− 7 11.0	1.447	2.395	10.9	20.6
8 29	23 32.92	− 8 34.2	1.422	2.411	6.4	20.4
9 8	23 24.80	− 9 59.4	1.422	2.427	2.6	20.2
9 18	23 16.40	−11 17.5	1.449	2.442	4.7	20.3
9 28	23 8.88	−12 20.7	1.502	2.458	9.0	20.6
10 8	23 3.16	−13 3.8	1.579	2.474	12.9	20.9
10 18	22 59.81	−13 25.3	1.676	2.490	16.2	21.2

91801 1999 TC_{235} 9 12.1 105.°86 1.°4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.52	+ 3 33.6	2.234	3.075	12.4	19.7
8 19	23 36.41	+ 2 56.0	2.159	3.078	9.4	19.5
8 29	23 30.78	+ 2 3.8	2.108	3.081	6.1	19.3
9 8	23 24.17	+ 1 0.7	2.083	3.083	2.6	19.1
9 18	23 17.25	− 0 8.6	2.086	3.086	2.1	19.1
9 28	23 10.79	− 1 18.1	2.118	3.089	5.5	19.3
10 8	23 5.47	− 2 22.1	2.177	3.092	8.9	19.5
10 18	23 1.80	− 3 16.1	2.260	3.094	11.8	19.7

304402 2006 TL_{27} 9 12.1 5.°49 1.°3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.56	− 5 17.5	1.561	2.445	14.6	20.5
8 19	23 38.46	− 5 47.4	1.499	2.445	10.7	20.3
8 29	23 32.23	− 6 27.7	1.458	2.446	6.4	20.0
9 8	23 24.63	− 7 12.5	1.442	2.448	1.9	19.8
9 18	23 16.61	− 7 55.5	1.452	2.450	3.6	19.9
9 28	23 9.31	− 8 30.1	1.488	2.453	8.1	20.2
10 8	23 3.67	− 8 51.4	1.547	2.456	12.2	20.4
10 18	23 0.31	− 8 57.0	1.628	2.460	15.7	20.7

260180 2004 RB_{123} 9 12.1 274.°05 1.°4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.94	− 5 28.3	2.213	3.084	11.4	20.5
8 19	23 36.81	− 6 20.8	2.133	3.074	8.4	20.3
8 29	23 31.08	− 7 22.2	2.078	3.064	4.9	20.0
9 8	23 24.28	− 8 27.5	2.049	3.054	1.7	19.8
9 18	23 17.09	− 9 31.2	2.049	3.043	3.3	19.9
9 28	23 10.31	−10 27.2	2.077	3.033	6.8	20.1
10 8	23 4.67	−11 11.2	2.131	3.023	10.2	20.3
10 18	23 0.73	−11 40.2	2.208	3.013	13.1	20.5

470796 2008 UR_{357} 9 12.1 294.°23 4.°5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.71	−11 38.3	1.624	2.517	13.6	20.6
8 19	23 38.75	−12 57.9	1.547	2.499	10.1	20.4
8 29	23 32.55	−14 25.4	1.493	2.480	6.4	20.1
9 8	23 24.76	−15 51.9	1.465	2.461	4.5	20.0
9 18	23 16.35	−17 7.9	1.462	2.442	6.7	20.1
9 28	23 8.46	−18 5.3	1.485	2.424	10.6	20.3
10 8	23 2.17	−18 38.8	1.531	2.405	14.5	20.4
10 18	22 58.23	−18 47.3	1.597	2.387	17.9	20.6

449392 2013 GO_{110} 9 12.1 148.°18 4.°2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.71	+14 26.5	2.673	3.446	12.4	21.5
8 19	23 36.36	+14 6.0	2.590	3.453	10.2	21.3
8 29	23 30.67	+13 27.4	2.531	3.459	7.7	21.2
9 8	23 24.13	+12 32.1	2.496	3.465	5.4	21.0
9 18	23 17.33	+11 23.0	2.489	3.471	4.2	21.0
9 28	23 10.92	+10 4.8	2.512	3.476	5.3	21.0
10 8	23 5.50	+ 8 43.5	2.563	3.481	7.6	21.2
10 18	23 1.54	+ 7 24.5	2.640	3.486	10.0	21.4

516342 2017 BZ_{84} 9 12.1 274.°20 1.°9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.74	+ 5 23.1	2.321	3.154	12.3	21.6
8 19	23 35.88	+ 4 46.8	2.232	3.144	9.5	21.4
8 29	23 30.50	+ 3 54.7	2.167	3.135	6.3	21.1
9 8	23 24.11	+ 2 49.6	2.127	3.125	3.1	20.9
9 18	23 17.34	+ 1 36.1	2.116	3.115	2.3	20.9
9 28	23 10.93	+ 0 19.9	2.134	3.106	5.4	21.0
10 8	23 5.58	− 0 52.7	2.179	3.096	8.7	21.2
10 18	23 1.83	− 1 56.6	2.248	3.086	11.7	21.4

459938 2014 NH_{19} 9 12.1 305.°59 7.°0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.39	+18 27.4	2.217	2.977	15.0	21.1
8 19	23 37.31	+18 54.0	2.122	2.964	12.9	21.0
8 29	23 31.48	+18 59.3	2.047	2.951	10.5	20.8
9 8	23 24.43	+18 41.9	1.994	2.939	8.3	20.6
9 18	23 16.84	+18 2.7	1.966	2.926	7.0	20.5
9 28	23 9.60	+17 5.0	1.964	2.914	7.6	20.5
10 8	23 3.53	+15 55.2	1.988	2.902	9.6	20.6
10 18	22 59.27	+14 40.6	2.036	2.891	12.1	20.8

494364 2016 UD_{12} 9 12.1 17.°17 0.°7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.78	− 1 42.8	1.115	2.009	18.4	20.6
8 19	23 39.15	− 1 44.0	1.068	2.017	13.8	20.4
8 29	23 32.84	− 2 1.5	1.039	2.026	8.4	20.1
9 8	23 24.83	− 2 30.2	1.032	2.038	2.7	19.8
9 18	23 16.43	− 3 3.2	1.049	2.050	3.2	19.9
9 28	23 9.08	− 3 32.8	1.088	2.064	8.7	20.3
10 8	23 3.94	− 3 52.1	1.150	2.079	13.6	20.6
10 18	23 1.64	− 3 57.4	1.231	2.096	17.7	20.9

298685 2004 DA_{39} 9 12.1 144.°69 1.°4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.83	− 5 7.6	2.004	2.875	12.4	20.8
8 19	23 38.26	− 5 57.2	1.936	2.877	9.1	20.6
8 29	23 31.96	− 6 56.1	1.893	2.879	5.3	20.4
9 8	23 24.55	− 7 58.8	1.876	2.881	1.7	20.2
9 18	23 16.80	− 8 59.2	1.887	2.883	3.3	20.3
9 28	23 9.60	− 9 51.3	1.926	2.885	7.1	20.5
10 8	23 3.72	−10 30.6	1.991	2.887	10.6	20.8
10 18	22 59.72	−10 54.5	2.079	2.888	13.6	21.0

225276 Leïtos 9 12.1 311.°77 0.°2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 36.76	− 1 48.5	3.928	4.773	7.4	20.3
8 19	23 33.11	− 2 2.8	3.837	4.762	5.5	20.2
8 29	23 28.60	− 2 22.5	3.773	4.752	3.4	20.0
9 8	23 23.53	− 2 46.0	3.736	4.741	1.1	19.8
9 18	23 18.27	− 3 11.0	3.730	4.730	1.3	19.8
9 28	23 13.22	− 3 35.2	3.753	4.720	3.6	20.0
10 8	23 8.76	− 3 56.3	3.805	4.709	5.8	20.1
10 18	23 5.21	− 4 12.4	3.883	4.699	7.7	20.3

264360 2000 AL_{236} 9 12.1 254.°10 2.°1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	+ 3 3.5	1.709	2.557	15.3	21.1
8 19	23 41.59	+ 2 55.8	1.621	2.543	11.8	20.9
8 29	23 34.25	+ 2 31.3	1.555	2.528	7.8	20.6
9 8	23 25.30	+ 1 52.4	1.513	2.513	3.6	20.3
9 18	23 15.67	+ 1 3.6	1.498	2.498	2.9	20.3
9 28	23 6.51	+ 0 11.4	1.510	2.483	7.2	20.5
10 8	22 58.92	− 0 37.2	1.548	2.467	11.6	20.7
10 18	22 53.67	− 1 16.2	1.608	2.450	15.4	20.9

469229 2016 HZ_{16} 9 12.1 70.°26 2.°2/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.24	− 5 22.1	1.264	2.152	17.1	21.3
8 19	23 42.06	− 6 25.3	1.224	2.173	12.4	21.1
8 29	23 34.40	− 7 40.4	1.206	2.195	7.2	20.8
9 8	23 25.26	− 8 58.2	1.211	2.216	2.6	20.6
9 18	23 15.92	−10 8.8	1.242	2.237	4.7	20.8
9 28	23 7.70	−11 3.8	1.298	2.258	9.5	21.2
10 8	23 1.65	−11 38.2	1.377	2.280	13.9	21.5
10 18	22 58.32	−11 50.8	1.475	2.300	17.4	21.8

34983 3046 $T\text{-}_3$ 9 12.1 175.°00 2.°8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.77	− 8 26.4	1.570	2.450	14.7	19.3
8 19	23 43.09	− 9 17.7	1.507	2.452	10.8	19.1
8 29	23 35.06	−10 17.2	1.467	2.454	6.5	18.9
9 8	23 25.50	−11 17.3	1.452	2.455	3.0	18.7
9 18	23 15.49	−12 10.2	1.464	2.455	5.0	18.8
9 28	23 6.28	−12 49.1	1.503	2.455	9.3	19.1
10 8	22 58.91	−13 9.7	1.565	2.455	13.3	19.3
10 18	22 54.07	−13 11.0	1.649	2.454	16.8	19.5

296313 2009 DJ_{134} 9 12.1 140.°97 2.°0/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.98	− 6 51.6	1.511	2.388	15.4	21.3
8 19	23 43.99	− 7 26.0	1.452	2.395	11.3	21.1
8 29	23 35.59	− 8 9.3	1.414	2.401	6.7	20.9
9 8	23 25.65	− 8 55.0	1.403	2.407	2.4	20.6
9 18	23 15.32	− 9 36.0	1.417	2.413	4.3	20.8
9 28	23 5.87	−10 5.9	1.459	2.418	8.8	21.0
10 8	22 58.38	−10 20.5	1.524	2.423	13.1	21.3
10 18	22 53.50	−10 18.3	1.611	2.427	16.6	21.5

334395 2002 CT_{170} 9 12.1 172.°54 2.°5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.26	− 7 54.5	2.027	2.901	12.1	20.9
8 19	23 39.32	− 9 2.2	1.961	2.904	8.8	20.7
8 29	23 32.61	−10 17.4	1.920	2.906	5.3	20.5
9 8	23 24.76	−11 33.7	1.906	2.908	2.5	20.3
9 18	23 16.57	−12 44.1	1.920	2.909	4.3	20.4
9 28	23 8.93	−13 42.4	1.963	2.910	7.8	20.6
10 8	23 2.65	−14 24.3	2.031	2.910	11.2	20.9
10 18	22 58.28	−14 48.2	2.121	2.910	14.1	21.1

217018 2001 FW_{186} 9 12.1 120.°34 0.°9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.78	+ 0 55.8	1.675	2.529	15.3	21.0
8 19	23 42.11	+ 0 27.6	1.615	2.543	11.5	20.8
8 29	23 34.35	− 0 15.7	1.578	2.556	7.1	20.6
9 8	23 25.27	− 1 9.8	1.566	2.569	2.5	20.3
9 18	23 15.88	− 2 8.4	1.581	2.582	2.6	20.3
9 28	23 7.27	− 3 4.4	1.624	2.594	7.0	20.6
10 8	23 0.38	− 3 51.7	1.693	2.605	11.1	20.9
10 18	22 55.79	− 4 26.0	1.784	2.616	14.6	21.2

201515 2003 OS_{21} 9 12.1 320.°45 2.°8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.40	+ 3 31.3	1.427	2.291	16.9	19.3
8 19	23 38.84	+ 3 36.4	1.340	2.269	13.2	19.0
8 29	23 32.80	+ 3 22.3	1.273	2.249	8.9	18.7
9 8	23 24.94	+ 2 50.8	1.229	2.229	4.4	18.4
9 18	23 16.26	+ 2 6.3	1.210	2.209	3.5	18.3
9 28	23 8.06	+ 1 15.7	1.215	2.191	8.0	18.5
10 8	23 1.59	+ 0 27.7	1.243	2.173	12.8	18.7
10 18	22 57.72	− 0 10.9	1.292	2.156	17.1	18.9

329192 2012 DJ_{36} 9 12.1 269.°28 0.°8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.58	+ 1 10.1	1.424	2.292	16.7	21.8
8 19	23 40.38	+ 0 32.0	1.344	2.280	12.7	21.5
8 29	23 33.67	− 0 26.4	1.286	2.267	7.9	21.2
9 8	23 25.18	− 1 40.3	1.251	2.255	2.7	20.8
9 18	23 15.96	− 3 1.9	1.241	2.242	3.0	20.8
9 28	23 7.34	− 4 21.3	1.258	2.230	8.4	21.1
10 8	23 0.53	− 5 29.3	1.298	2.217	13.3	21.4
10 18	22 56.36	− 6 19.6	1.359	2.204	17.6	21.6

283046 2008 EB_{36} 9 12.1 348°.53 4°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.23	+ 9 33.6	1.996	2.812	14.6	20.3
8 19	23 38.68	+ 9 44.1	1.917	2.810	11.8	20.1
8 29	23 32.31	+ 9 36.4	1.859	2.810	8.5	19.9
9 8	23 24.71	+ 9 11.2	1.825	2.809	5.5	19.7
9 18	23 16.68	+ 8 31.3	1.818	2.808	4.4	19.6
9 28	23 9.13	+ 7 41.7	1.838	2.808	6.4	19.8
10 8	23 2.92	+ 6 48.8	1.884	2.807	9.6	19.9
10 18	22 58.64	+ 5 58.6	1.955	2.807	12.7	20.1

36054 1999 RJ_{24} 9 12.1 34°.46 0°.4/11.7 18

8 9	23 42.67	− 3 5.0	1.683	2.557	14.2	18.9
8 19	23 38.32	− 3 33.6	1.630	2.570	10.5	18.7
8 29	23 32.05	− 4 13.2	1.599	2.584	6.2	18.5
9 8	23 24.61	− 4 58.9	1.593	2.599	1.8	18.2
9 18	23 16.91	− 5 44.7	1.614	2.614	2.9	18.3
9 28	23 9.94	− 6 24.4	1.662	2.629	7.2	18.6
10 8	23 4.54	− 6 53.3	1.734	2.645	11.0	18.9
10 18	23 1.23	− 7 8.5	1.828	2.661	14.2	19.1

401251 2012 BW_{73} 9 12.1 129°.20 1°.5/13.9 18

8 9	23 42.13	+ 2 57.9	2.404	3.241	11.8	21.4
8 19	23 37.50	+ 2 38.3	2.330	3.246	9.0	21.2
8 29	23 31.42	+ 2 6.4	2.280	3.252	5.8	21.0
9 8	23 24.42	+ 1 25.1	2.257	3.257	2.6	20.8
9 18	23 17.14	+ 0 37.9	2.262	3.262	2.1	20.8
9 28	23 10.31	− 0 10.3	2.296	3.267	5.2	21.0
10 8	23 4.57	− 0 55.0	2.358	3.272	8.3	21.2
10 18	23 0.41	− 1 32.3	2.444	3.276	11.1	21.4

292954 2006 VN_{110} 9 12.1 65°.95 1°.9/13.5 17

8 9	23 47.40	+ 1 44.2	1.427	2.289	17.0	20.3
8 19	23 42.21	+ 1 42.0	1.366	2.296	12.9	20.0
8 29	23 34.59	+ 1 22.6	1.326	2.304	8.3	19.8
9 8	23 25.40	+ 0 49.4	1.309	2.311	3.5	19.5
9 18	23 15.77	+ 0 7.9	1.318	2.319	3.0	19.5
9 28	23 6.98	− 0 34.6	1.353	2.327	7.7	19.8
10 8	23 0.14	− 1 11.2	1.412	2.334	12.2	20.1
10 18	22 55.91	− 1 36.9	1.493	2.342	16.0	20.4

11528 Mie 9 12.1 341°.16 5°.9/ 6.0 18

8 9	23 38.23	−12 2.5	1.339	2.248	14.9	15.7
8 19	23 35.71	−14 3.2	1.279	2.238	10.9	15.5
8 29	23 30.83	−16 13.2	1.242	2.229	7.3	15.2
9 8	23 24.33	−18 19.7	1.229	2.221	6.0	15.2
9 18	23 17.26	−20 9.6	1.241	2.214	8.6	15.3
9 28	23 10.89	−21 32.2	1.276	2.208	12.6	15.5
10 8	23 6.32	−22 22.0	1.332	2.202	16.5	15.7
10 18	23 4.27	−22 38.8	1.406	2.198	19.8	15.9

396907 2005 AJ_{51} 9 12.1 257°.30 2°.5/14.7 18

8 9	23 44.86	+ 5 43.0	2.233	3.057	13.0	22.5
8 19	23 39.88	+ 5 26.8	2.128	3.033	10.2	22.3
8 29	23 33.09	+ 4 54.7	2.045	3.009	7.0	22.1
9 8	23 24.98	+ 4 8.4	1.989	2.984	3.6	21.8
9 18	23 16.28	+ 3 11.3	1.961	2.959	2.8	21.7
9 28	23 7.85	+ 2 8.8	1.962	2.932	5.9	21.9
10 8	23 0.55	+ 1 7.1	1.990	2.905	9.6	22.0
10 18	22 55.06	+ 0 11.9	2.043	2.877	12.9	22.2

372815 2010 TL_{138} 9 12.1 187°.29 2°.8/14.5 17

8 9	23 46.69	+ 5 3.1	1.569	2.414	16.6	21.5
8 19	23 41.64	+ 4 52.9	1.496	2.414	12.9	21.2
8 29	23 34.27	+ 4 22.9	1.444	2.414	8.6	21.0
9 8	23 25.33	+ 3 35.5	1.415	2.413	4.3	20.8
9 18	23 15.85	+ 2 36.2	1.413	2.412	3.3	20.7
9 28	23 7.03	+ 1 32.5	1.438	2.411	7.3	20.9
10 8	22 59.96	+ 0 32.5	1.487	2.409	11.7	21.2
10 18	22 55.36	− 0 17.2	1.559	2.408	15.5	21.4

508006 2015 BQ_{297} 9 12.1 187°.30 1°.9/10.3 17

8 9	23 47.12	− 6 39.0	1.774	2.647	13.7	22.0
8 19	23 41.68	− 7 25.1	1.706	2.647	10.0	21.8
8 29	23 34.16	− 8 20.2	1.660	2.646	5.9	21.6
9 8	23 25.27	− 9 18.0	1.641	2.645	2.2	21.3
9 18	23 15.96	−10 11.9	1.650	2.644	4.0	21.5
9 28	23 7.29	−10 55.3	1.686	2.642	8.1	21.7
10 8	23 0.22	−11 23.8	1.747	2.639	12.0	21.9
10 18	22 55.38	−11 35.3	1.830	2.636	15.3	22.2

193629 2001 CY_{33} 9 12.1 281°.23 8°.4/ 3.8 18

8 9	23 48.09	−24 22.6	1.795	2.678	13.0	19.8
8 19	23 42.72	−25 42.3	1.723	2.656	10.5	19.6
8 29	23 34.97	−26 56.7	1.674	2.632	8.7	19.4
9 8	23 25.56	−27 56.1	1.650	2.609	8.6	19.4
9 18	23 15.51	−28 32.4	1.652	2.585	10.3	19.4
9 28	23 6.06	−28 40.3	1.677	2.561	13.0	19.5
10 8	22 58.33	−28 19.0	1.724	2.537	15.9	19.7
10 18	22 53.09	−27 31.2	1.789	2.513	18.6	19.8

195286 2002 EC_{79} 9 12.1 233°.06 1°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 34.67	+ 6 35.5	4.822	5.627	6.8	20.5
8 19	23 31.47	+ 6 16.7	4.729	5.621	5.3	20.4
8 29	23 27.59	+ 5 50.5	4.660	5.616	3.7	20.2
9 8	23 23.28	+ 5 18.0	4.620	5.610	2.1	20.1
9 18	23 18.83	+ 4 41.0	4.610	5.605	1.6	20.1
9 28	23 14.55	+ 4 1.4	4.629	5.599	2.8	20.2
10 8	23 10.73	+ 3 21.7	4.678	5.593	4.5	20.3
10 18	23 7.63	+ 2 44.0	4.755	5.587	6.1	20.4

257557 1998 TO_{8} 9 12.1 269°.93 2°.4/ 9.4 17

8 9	23 43.68	−10 33.5	2.455	3.327	10.4	21.2
8 19	23 38.76	−11 8.5	2.369	3.310	7.6	21.0
8 29	23 32.26	−11 47.3	2.307	3.292	4.7	20.8
9 8	23 24.71	−12 25.6	2.273	3.274	2.5	20.6
9 18	23 16.76	−12 58.7	2.268	3.256	3.9	20.7
9 28	23 9.17	−13 22.6	2.291	3.237	7.0	20.9
10 8	23 2.67	−13 34.3	2.341	3.219	10.0	21.0
10 18	22 57.79	−13 32.5	2.414	3.200	12.6	21.2

252780 2002 EN_{129} 9 12.1 218°.54 0°.8/11.2 18

8 9	23 44.78	− 5 38.8	2.616	3.473	10.3	20.8
8 19	23 39.41	− 5 58.4	2.533	3.466	7.6	20.6
8 29	23 32.58	− 6 23.8	2.476	3.459	4.5	20.4
9 8	23 24.80	− 6 52.0	2.446	3.451	1.4	20.1
9 18	23 16.69	− 7 19.2	2.445	3.443	2.5	20.2
9 28	23 8.96	− 7 41.9	2.475	3.434	5.7	20.4
10 8	23 2.27	− 7 57.0	2.532	3.425	8.7	20.6
10 18	22 57.13	− 8 2.6	2.613	3.416	11.3	20.8

151514 2002 PG_{52} 9 12.1 81°.32 3°.8/ 8.8 17

8 9	23 45.20	− 9 9.5	1.405	2.297	15.4	20.4
8 19	23 40.60	−10 27.5	1.353	2.304	11.2	20.2
8 29	23 33.63	−11 54.0	1.323	2.311	6.8	19.9
9 8	23 25.14	−13 19.4	1.317	2.318	3.8	19.8
9 18	23 16.25	−14 33.8	1.338	2.325	6.1	19.9
9 28	23 8.25	−15 28.9	1.383	2.332	10.3	20.2
10 8	23 2.17	−16 0.4	1.452	2.339	14.3	20.5
10 18	22 58.66	−16 7.7	1.539	2.345	17.7	20.7

139132 2001 FQ_{72} 9 12.1 221°.86 3°.1/ 9.6 18

8 9	23 48.08	− 9 34.5	1.562	2.445	14.6	19.9
8 19	23 42.67	−10 19.6	1.495	2.442	10.8	19.7
8 29	23 34.89	−11 11.5	1.451	2.438	6.5	19.4
9 8	23 25.53	−12 3.2	1.432	2.434	3.2	19.2
9 18	23 15.66	−12 46.9	1.440	2.430	5.2	19.4
9 28	23 6.54	−13 16.3	1.474	2.426	9.5	19.6
10 8	22 59.25	−13 27.5	1.531	2.421	13.5	19.8
10 18	22 54.49	−13 19.5	1.609	2.416	17.0	20.1

472613 2015 DF_{165} 9 12.1 45°.51 0°.9/11.3 16

8 9	23 44.56	− 3 15.2	1.467	2.346	15.6	21.1
8 19	23 40.08	− 3 59.0	1.406	2.349	11.6	20.9
8 29	23 33.32	− 4 56.5	1.366	2.353	6.9	20.6
9 8	23 25.05	− 6 1.4	1.351	2.356	2.0	20.3
9 18	23 16.35	− 7 5.7	1.362	2.360	3.5	20.5
9 28	23 8.43	− 8 1.3	1.398	2.364	8.4	20.8
10 8	23 2.31	− 8 42.0	1.459	2.369	12.8	21.0
10 18	22 58.67	− 9 4.5	1.540	2.373	16.5	21.3

342183 2008 SX_{190} 9 12.1 10°.21 0°.1/12.1 18

8 9	23 48.75	− 4 17.3	1.389	2.267	16.4	20.1
8 19	23 43.32	− 4 5.5	1.327	2.268	12.3	19.8
8 29	23 35.33	− 4 3.7	1.285	2.270	7.4	19.6
9 8	23 25.66	− 4 8.1	1.267	2.272	2.2	19.2
9 18	23 15.51	− 4 14.2	1.275	2.275	3.2	19.3
9 28	23 6.23	− 4 16.8	1.308	2.278	8.3	19.6
10 8	22 58.98	− 4 11.6	1.365	2.282	12.9	19.9
10 18	22 54.48	− 3 56.2	1.443	2.287	16.8	20.2

324873 2007 TV_{272} 9 12.1 332°.97 5°.7/ 8.2 18

8 9	23 44.72	−12 51.7	1.087	1.998	17.4	20.4
8 19	23 41.03	−13 51.8	1.028	1.987	12.9	20.1
8 29	23 34.28	−14 57.9	0.988	1.977	8.4	19.8
9 8	23 25.42	−15 59.1	0.970	1.968	5.7	19.7
9 18	23 15.82	−16 44.0	0.975	1.960	8.2	19.8
9 28	23 7.19	−17 3.9	1.001	1.952	13.0	20.0
10 8	23 0.94	−16 55.2	1.048	1.945	17.7	20.3
10 18	22 57.92	−16 19.3	1.111	1.940	21.7	20.5

215538 2002 WU_{10} 9 12.1 123°.46 3°.4/16.1 18

8 9	23 41.27	+ 9 30.1	2.013	2.831	14.4	20.2
8 19	23 37.20	+ 9 1.3	1.935	2.833	11.4	20.0
8 29	23 31.40	+ 8 12.2	1.879	2.835	8.1	19.8
9 8	23 24.48	+ 7 5.3	1.848	2.837	4.8	19.6
9 18	23 17.18	+ 5 45.1	1.844	2.839	3.5	19.5
9 28	23 10.37	+ 4 18.7	1.868	2.840	6.0	19.7
10 8	23 4.85	+ 2 53.6	1.918	2.842	9.4	19.9
10 18	23 1.18	+ 1 36.6	1.994	2.844	12.5	20.1

353199 2009 SU_{211} 9 12.1 246°.45 1°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 36.03	−12 45.2	4.686	5.556	5.9	21.4
8 19	23 32.48	−13 14.9	4.610	5.549	4.3	21.3
8 29	23 28.20	−13 45.4	4.560	5.543	2.7	21.2
9 8	23 23.48	−14 14.6	4.540	5.536	1.7	21.1
9 18	23 18.62	−14 40.2	4.549	5.529	2.5	21.2
9 28	23 13.95	−15 0.5	4.588	5.522	4.1	21.3
10 8	23 9.79	−15 13.8	4.654	5.515	5.7	21.4
10 18	23 6.40	−15 19.4	4.746	5.508	7.2	21.5

219331 2000 KA_{44} 9 12.1 167°.05 1°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.12	− 5 39.1	1.865	2.733	13.3	21.3
8 19	23 41.57	− 6 20.7	1.798	2.737	9.8	21.1
8 29	23 34.05	− 7 11.1	1.755	2.741	5.8	20.9
9 8	23 25.26	− 8 5.1	1.738	2.743	1.9	20.6
9 18	23 16.11	− 8 56.2	1.750	2.746	3.5	20.7
9 28	23 7.59	− 9 38.7	1.789	2.747	7.6	21.0
10 8	23 0.60	−10 8.0	1.854	2.749	11.3	21.2
10 18	22 55.74	−10 22.0	1.941	2.749	14.5	21.5

448401 2009 RV_{17} 9 12.1 283°.82 3°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.85	−13 48.1	2.293	3.170	10.8	21.5
8 19	23 39.64	−14 20.0	2.221	3.163	8.0	21.3
8 29	23 32.79	−14 53.0	2.174	3.157	5.1	21.1
9 8	23 24.88	−15 22.3	2.154	3.150	3.4	21.0
9 18	23 16.65	−15 43.1	2.162	3.143	4.8	21.1
9 28	23 8.91	−15 52.0	2.198	3.136	7.7	21.2
10 8	23 2.40	−15 46.8	2.260	3.129	10.6	21.4
10 18	22 57.67	−15 27.4	2.344	3.123	13.2	21.6

396180 2013 GC_{38} 9 12.1 69°.64 1°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.05	+ 4 18.8	2.164	3.004	12.8	21.1
8 19	23 36.16	+ 3 31.2	2.088	3.007	9.8	20.9
8 29	23 30.73	+ 2 27.6	2.037	3.009	6.3	20.7
9 8	23 24.28	+ 1 11.9	2.011	3.012	2.7	20.5
9 18	23 17.52	− 0 10.5	2.014	3.015	2.2	20.5
9 28	23 11.22	− 1 32.9	2.045	3.017	5.6	20.7
10 8	23 6.08	− 2 48.9	2.104	3.020	9.1	20.9
10 18	23 2.62	− 3 53.4	2.187	3.023	12.1	21.1

390311 2013 AE_{112} 9 12.1 299°.16 1°.9/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.51	−12 10.8	4.221	5.094	6.4	20.5
8 19	23 32.19	−12 52.2	4.147	5.089	4.6	20.3
8 29	23 28.08	−13 35.1	4.100	5.083	2.9	20.2
9 8	23 23.47	−14 16.8	4.082	5.078	1.9	20.1
9 18	23 18.70	−14 54.7	4.093	5.073	2.8	20.2
9 28	23 14.14	−15 26.3	4.134	5.068	4.5	20.3
10 8	23 10.15	−15 49.8	4.202	5.063	6.3	20.4
10 18	23 6.99	−16 4.3	4.294	5.058	7.9	20.5

120508 1993 TC_{16} 9 12.1 301°.40 0°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.98	− 1 36.2	2.069	2.932	12.4	20.5
8 19	23 37.10	− 2 13.7	1.973	2.907	9.3	20.2
8 29	23 31.46	− 3 3.9	1.900	2.882	5.7	19.9
9 8	23 24.56	− 4 2.9	1.853	2.858	1.7	19.6
9 18	23 17.11	− 5 5.4	1.833	2.833	2.5	19.7
9 28	23 9.98	− 6 5.0	1.842	2.809	6.6	19.9
10 8	23 4.02	− 6 55.9	1.877	2.784	10.5	20.1
10 18	22 59.88	− 7 33.9	1.934	2.760	13.9	20.2

478709 2012 UF_{45} 9 12.1 64°.27 7°.1/ 6.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.33	−20 56.5	1.567	2.455	14.3	20.6
8 19	23 44.08	−21 50.8	1.529	2.470	11.0	20.5
8 29	23 35.54	−22 38.5	1.515	2.486	8.2	20.3
9 8	23 25.69	−23 11.3	1.525	2.502	7.2	20.3
9 18	23 15.69	−23 23.0	1.560	2.518	8.8	20.5
9 28	23 6.79	−23 10.7	1.620	2.534	11.6	20.7
10 8	22 59.93	−22 35.4	1.703	2.550	14.6	20.9
10 18	22 55.63	−21 40.4	1.805	2.566	17.2	21.1

183696 2003 YO_{31} 9 12.1 185°.59 0°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.83	− 3 1.6	1.942	2.800	13.3	21.7
8 19	23 42.09	− 3 38.2	1.868	2.800	9.9	21.4
8 29	23 34.39	− 4 25.7	1.817	2.800	5.9	21.2
9 8	23 25.40	− 5 19.4	1.794	2.799	1.7	20.9
9 18	23 15.99	− 6 13.7	1.798	2.797	2.8	21.0
9 28	23 7.16	− 7 2.3	1.832	2.794	7.0	21.3
10 8	22 59.80	− 7 40.2	1.891	2.791	10.8	21.5
10 18	22 54.52	− 8 4.4	1.974	2.787	14.1	21.7

164984 2000 AF_{193} 9 12.1 250°.73 4°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.34	+11 36.4	2.099	2.902	14.4	20.2
8 19	23 38.08	+11 20.1	2.005	2.890	11.7	20.0
8 29	23 32.02	+10 42.9	1.931	2.877	8.6	19.8
9 8	23 24.72	+ 9 45.7	1.883	2.864	5.6	19.6
9 18	23 16.91	+ 8 32.0	1.861	2.851	4.3	19.5
9 28	23 9.49	+ 7 7.9	1.868	2.838	6.2	19.6
10 8	23 3.28	+ 5 41.0	1.901	2.824	9.5	19.8
10 18	22 58.92	+ 4 18.6	1.959	2.810	12.7	20.0

27074 Etatolia 9 12.1 278°.15 0°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.52	− 4 9.2	1.539	2.412	15.4	18.7
8 19	23 43.13	− 4 17.1	1.463	2.402	11.5	18.4
8 29	23 35.28	− 4 35.8	1.408	2.393	7.0	18.2
9 8	23 25.72	− 5 0.8	1.378	2.384	2.0	17.8
9 18	23 15.52	− 5 26.8	1.375	2.375	3.2	17.9
9 28	23 5.99	− 5 47.8	1.398	2.365	8.2	18.2
10 8	22 58.27	− 5 58.7	1.445	2.356	12.8	18.4
10 18	22 53.14	− 5 56.7	1.514	2.347	16.7	18.6

374710 `O`o 9 12.1 190°.53 0°.2/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.44	− 2 11.6	1.760	2.622	14.3	22.3
8 19	23 41.98	− 2 44.6	1.687	2.621	10.6	22.1
8 29	23 34.41	− 3 30.1	1.637	2.620	6.4	21.9
9 8	23 25.42	− 4 23.5	1.613	2.618	1.9	21.6
9 18	23 15.97	− 5 18.5	1.616	2.616	2.9	21.6
9 28	23 7.15	− 6 8.5	1.647	2.613	7.4	21.9
10 8	22 59.91	− 6 47.8	1.704	2.610	11.5	22.1
10 18	22 54.93	− 7 12.9	1.783	2.606	15.0	22.4

223238 2003 EY_{42} 9 12.1 243°.56 1°.0/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.63	+ 3 43.0	4.464	5.287	7.0	20.7
8 19	23 31.50	+ 3 11.0	4.377	5.285	5.3	20.6
8 29	23 27.65	+ 2 31.7	4.316	5.283	3.5	20.4
9 8	23 23.36	+ 1 46.8	4.283	5.281	1.6	20.3
9 18	23 18.91	+ 0 58.4	4.280	5.280	1.2	20.2
9 28	23 14.66	+ 0 9.2	4.308	5.278	3.0	20.4
10 8	23 10.91	− 0 38.4	4.364	5.276	4.9	20.5
10 18	23 7.93	− 1 21.9	4.448	5.274	6.6	20.7

7068 Minowa 9 12.1 280°.66 4°.7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.57	−10 43.9	1.334	2.231	15.7	16.6
8 19	23 41.26	−11 59.9	1.267	2.221	11.6	16.4
8 29	23 34.28	−13 25.0	1.223	2.211	7.3	16.1
9 8	23 25.45	−14 49.1	1.202	2.200	4.7	15.9
9 18	23 15.95	−16 1.2	1.206	2.190	7.1	16.0
9 28	23 7.21	−16 52.2	1.234	2.180	11.5	16.3
10 8	23 0.48	−17 17.0	1.284	2.170	15.9	16.5
10 18	22 56.56	−17 14.9	1.353	2.160	19.7	16.7

505411 2013 QX_{92} 9 12.1 107°.78 0°.1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.93	+ 0 8.7	1.450	2.320	16.3	20.8
8 19	23 40.38	− 0 49.2	1.391	2.328	12.2	20.6
8 29	23 33.52	− 2 5.3	1.352	2.336	7.4	20.3
9 8	23 25.17	− 3 32.9	1.339	2.344	2.2	20.0
9 18	23 16.41	− 5 2.9	1.351	2.351	3.1	20.1
9 28	23 8.45	− 6 25.6	1.390	2.359	8.1	20.4
10 8	23 2.33	− 7 32.9	1.453	2.366	12.6	20.7
10 18	22 58.68	− 8 20.4	1.538	2.373	16.4	21.0

348116 2003 YK_{148} 9 12.1 259°.04 5°.8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.99	−19 56.2	2.216	3.094	11.1	21.5
8 19	23 41.48	−21 2.2	2.136	3.072	8.6	21.3
8 29	23 34.07	−22 6.6	2.081	3.050	6.5	21.1
9 8	23 25.35	−23 2.5	2.053	3.027	5.9	21.0
9 18	23 16.11	−23 43.4	2.052	3.004	7.4	21.1
9 28	23 7.30	−24 4.6	2.078	2.980	10.1	21.2
10 8	22 59.82	−24 4.2	2.128	2.956	12.8	21.3
10 18	22 54.30	−23 42.9	2.199	2.931	15.3	21.5

5025 1986 TS_{6} 9 12.1 296°.31 0°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.24	− 2 43.0	4.217	5.062	6.9	17.5
8 19	23 33.44	− 2 54.4	4.131	5.057	5.1	17.3
8 29	23 28.83	− 3 10.5	4.072	5.051	3.1	17.2
9 8	23 23.73	− 3 29.4	4.041	5.046	1.0	17.0
9 18	23 18.45	− 3 49.4	4.040	5.040	1.3	17.0
9 28	23 13.38	− 4 8.3	4.070	5.035	3.4	17.2
10 8	23 8.87	− 4 24.2	4.128	5.029	5.4	17.3
10 18	23 5.22	− 4 35.3	4.212	5.024	7.2	17.5

151687 2003 AK_{42} 9 12.1 244°.81 0°.9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.04	+ 1 18.1	1.805	2.658	14.4	20.6
8 19	23 40.29	+ 0 46.6	1.719	2.646	10.9	20.4
8 29	23 33.46	− 0 1.1	1.656	2.634	6.9	20.1
9 8	23 25.19	− 1 1.0	1.618	2.621	2.5	19.8
9 18	23 16.33	− 2 7.5	1.607	2.608	2.5	19.8
9 28	23 7.95	− 3 13.3	1.624	2.594	7.0	20.0
10 8	23 1.01	− 4 11.5	1.667	2.581	11.2	20.3
10 18	22 56.24	− 4 56.7	1.733	2.566	14.9	20.5

487764 2015 RG_{201} 9 12.1 320°.43 0°.5/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.84	− 2 46.9	1.802	2.675	13.5	21.6
8 19	23 37.17	− 3 22.5	1.718	2.659	10.0	21.3
8 29	23 31.57	− 4 10.8	1.657	2.642	6.1	21.1
9 8	23 24.62	− 5 7.2	1.621	2.627	1.7	20.8
9 18	23 17.14	− 6 5.4	1.612	2.611	2.9	20.8
9 28	23 10.11	− 6 58.7	1.630	2.597	7.3	21.1
10 8	23 4.45	− 7 41.2	1.672	2.582	11.4	21.3
10 18	23 0.82	− 8 8.8	1.737	2.569	14.9	21.5

397237 2006 KZ_{112} 9 12.1 216°.14 0°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.46	− 3 3.0	3.852	4.683	7.8	23.5
8 19	23 40.28	− 4 1.8	3.749	4.668	5.8	23.4
8 29	23 33.00	− 5 7.5	3.674	4.653	3.4	23.2
9 8	23 24.98	− 6 17.1	3.631	4.636	1.0	23.0
9 18	23 16.66	− 7 26.9	3.622	4.618	1.8	23.0
9 28	23 8.55	− 8 33.2	3.647	4.599	4.4	23.2
10 8	23 1.11	− 9 32.8	3.703	4.579	6.7	23.4
10 18	22 54.76	−10 23.1	3.786	4.557	8.7	23.5

512685 2016 TO_{96} 9 12.1 242°.22 5°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.44	+13 54.9	2.137	2.926	14.6	21.4
8 19	23 38.13	+13 47.2	2.044	2.916	12.1	21.2
8 29	23 32.05	+13 17.9	1.972	2.907	9.2	21.0
9 8	23 24.75	+12 27.6	1.925	2.897	6.4	20.8
9 18	23 16.97	+11 18.9	1.903	2.887	5.1	20.7
9 28	23 9.58	+ 9 57.6	1.910	2.877	6.5	20.8
10 8	23 3.41	+ 8 30.9	1.944	2.866	9.3	20.9
10 18	22 59.07	+ 7 6.5	2.002	2.855	12.4	21.1

247523 2002 QU_{80} 9 12.1 1°.88 2°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.13	− 7 39.3	1.634	2.517	14.1	20.4
8 19	23 40.37	− 8 9.1	1.570	2.516	10.4	20.1
8 29	23 33.46	− 8 46.5	1.528	2.516	6.2	19.9
9 8	23 25.16	− 9 25.6	1.512	2.516	2.4	19.7
9 18	23 16.45	−10 0.2	1.522	2.516	4.1	19.8
9 28	23 8.44	−10 24.6	1.558	2.517	8.4	20.0
10 8	23 2.10	−10 34.8	1.618	2.518	12.3	20.3
10 18	22 58.06	−10 29.2	1.700	2.520	15.7	20.5

95886 2003 HY_{4} 9 12.1 326°.65 3°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.36	+10 54.9	1.980	2.796	14.7	19.3
8 19	23 35.90	+10 26.8	1.895	2.789	11.8	19.1
8 29	23 30.71	+ 9 36.7	1.831	2.783	8.5	18.9
9 8	23 24.35	+ 8 26.4	1.791	2.777	5.3	18.7
9 18	23 17.56	+ 7 0.6	1.778	2.772	3.9	18.6
9 28	23 11.21	+ 5 26.3	1.793	2.766	6.1	18.8
10 8	23 6.11	+ 3 51.7	1.834	2.761	9.5	18.9
10 18	23 2.84	+ 2 24.6	1.900	2.756	12.8	19.1

307068 2002 AX_{14} 9 12.1 204°.57 26°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.83	+41 28.4	0.988	1.661	34.4	20.6
8 19	23 49.01	+44 23.6	0.932	1.660	32.9	20.4
8 29	23 40.38	+46 32.0	0.884	1.657	31.1	20.3
9 8	23 27.63	+47 37.7	0.843	1.654	29.3	20.1
9 18	23 12.60	+47 26.5	0.811	1.649	27.7	20.0
9 28	22 58.34	+45 53.0	0.791	1.644	26.6	19.9
10 8	22 47.80	+43 6.3	0.783	1.639	26.3	19.8
10 18	22 42.75	+39 26.5	0.788	1.633	27.0	19.9

261548 2005 WD_{141} 9 12.1 181°.86 2°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.54	+ 7 41.3	2.421	3.237	12.3	21.2
8 19	23 37.16	+ 7 20.4	2.339	3.238	9.7	21.0
8 29	23 31.31	+ 6 43.8	2.280	3.238	6.7	20.8
9 8	23 24.50	+ 5 53.8	2.247	3.238	3.8	20.7
9 18	23 17.37	+ 4 53.9	2.242	3.237	2.9	20.6
9 28	23 10.64	+ 3 49.1	2.266	3.237	5.2	20.8
10 8	23 4.97	+ 2 45.1	2.317	3.236	8.2	20.9
10 18	23 0.87	+ 1 46.9	2.394	3.235	11.0	21.1

516043 2015 TL_{125} 9 12.1 265°.02 3°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.18	−12 55.3	2.342	3.224	10.4	21.5
8 19	23 36.96	−14 1.8	2.273	3.218	7.7	21.3
8 29	23 31.22	−15 11.4	2.229	3.212	4.9	21.1
9 8	23 24.48	−16 18.2	2.212	3.206	3.6	21.0
9 18	23 17.41	−17 16.3	2.224	3.200	5.1	21.1
9 28	23 10.77	−18 0.9	2.263	3.194	7.9	21.3
10 8	23 5.25	−18 29.0	2.327	3.188	10.7	21.4
10 18	23 1.36	−18 39.5	2.414	3.181	13.2	21.6

438840 2009 BD_{124} 9 12.1 329°.65 1°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.94	+ 1 35.9	1.806	2.658	14.4	21.2
8 19	23 40.10	+ 1 31.1	1.731	2.656	11.0	21.0
8 29	23 33.28	+ 1 12.1	1.679	2.654	7.1	20.8
9 8	23 25.12	+ 0 41.8	1.651	2.653	3.0	20.5
9 18	23 16.51	+ 0 4.5	1.651	2.651	2.6	20.5
9 28	23 8.47	− 0 34.2	1.677	2.650	6.6	20.7
10 8	23 1.91	− 1 8.6	1.730	2.648	10.6	21.0
10 18	22 57.48	− 1 34.1	1.805	2.647	14.0	21.2

325682 2009 TE_{38} 9 12.1 219°.46 3°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.04	+10 43.1	2.555	3.353	12.3	20.7
8 19	23 36.76	+10 37.9	2.469	3.351	9.9	20.5
8 29	23 31.06	+10 16.7	2.405	3.349	7.3	20.4
9 8	23 24.44	+ 9 40.7	2.367	3.347	4.8	20.2
9 18	23 17.48	+ 8 52.5	2.356	3.344	3.7	20.1
9 28	23 10.88	+ 7 56.3	2.374	3.342	5.3	20.2
10 8	23 5.28	+ 6 57.3	2.419	3.339	7.9	20.4
10 18	23 1.18	+ 6 0.7	2.490	3.336	10.5	20.6

480236 2015 HR_{8} 9 12.1 54°.77 4°.8/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.14	−13 0.1	1.393	2.289	15.3	20.8
8 19	23 41.92	−13 59.6	1.355	2.306	11.2	20.6
8 29	23 34.35	−15 1.2	1.338	2.324	7.1	20.4
9 8	23 25.40	−15 56.1	1.346	2.342	4.8	20.3
9 18	23 16.25	−16 36.2	1.379	2.361	6.8	20.5
9 28	23 8.16	−16 56.1	1.436	2.379	10.5	20.7
10 8	23 2.10	−16 54.2	1.517	2.398	14.2	21.0
10 18	22 58.62	−16 31.6	1.617	2.417	17.3	21.3

73040 2002 EH_{92} 9 12.1 80°.41 3°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.02	+ 5 35.5	1.376	2.226	18.2	18.9
8 19	23 42.64	+ 5 22.9	1.325	2.245	14.0	18.7
8 29	23 34.85	+ 4 48.2	1.294	2.265	9.4	18.5
9 8	23 25.57	+ 3 55.1	1.286	2.284	4.7	18.2
9 18	23 15.98	+ 2 50.3	1.304	2.303	3.5	18.2
9 28	23 7.38	+ 1 42.5	1.347	2.322	7.6	18.5
10 8	23 0.81	+ 0 40.5	1.415	2.340	11.9	18.8
10 18	22 56.89	− 0 9.4	1.505	2.359	15.7	19.1

49089 1998 RR_{69} 9 12.1 350°.63 0°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.26	− 2 5.4	1.076	1.977	18.3	18.3
8 19	23 36.90	− 2 44.2	1.015	1.969	13.7	18.0
8 29	23 31.79	− 3 43.0	0.972	1.962	8.3	17.7
9 8	23 24.76	− 4 54.5	0.951	1.957	2.4	17.3
9 18	23 17.05	− 6 8.7	0.952	1.952	3.9	17.4
9 28	23 10.19	− 7 14.0	0.976	1.950	9.8	17.7
10 8	23 5.47	− 8 1.3	1.021	1.948	15.1	18.0
10 18	23 3.68	− 8 25.6	1.084	1.948	19.6	18.3

472578 2015 DV_{113} 9 12.1 173°.18 4°.4/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.24	−12 50.6	1.679	2.563	13.7	21.5
8 19	23 42.63	−13 53.3	1.619	2.565	10.1	21.2
8 29	23 34.82	−14 59.4	1.583	2.567	6.5	21.0
9 8	23 25.58	−16 1.0	1.573	2.568	4.4	20.9
9 18	23 15.94	−16 50.3	1.589	2.569	6.3	21.0
9 28	23 7.06	−17 21.5	1.632	2.569	9.9	21.3
10 8	22 59.93	−17 31.7	1.699	2.569	13.5	21.5
10 18	22 55.19	−17 21.2	1.786	2.569	16.5	21.7

14403 de Machault 9 12.1 55°.46 1°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.62	+ 2 42.0	1.846	2.695	14.3	18.6
8 19	23 39.05	+ 2 25.4	1.776	2.699	10.9	18.4
8 29	23 32.60	+ 1 53.5	1.728	2.703	7.0	18.2
9 8	23 24.92	+ 1 9.5	1.706	2.706	3.1	17.9
9 18	23 16.87	+ 0 18.2	1.710	2.710	2.5	17.9
9 28	23 9.39	− 0 34.0	1.742	2.714	6.4	18.2
10 8	23 3.35	− 1 21.2	1.800	2.718	10.2	18.4
10 18	22 59.34	− 1 58.7	1.881	2.723	13.5	18.6

36799 2000 SG_{43} 9 12.1 44°.62 3°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.54	− 9 21.2	1.085	1.987	18.2	18.3
8 19	23 43.47	−10 0.0	1.045	2.001	13.3	18.1
8 29	23 35.50	−10 46.3	1.025	2.015	8.0	17.8
9 8	23 25.78	−11 31.0	1.027	2.030	3.7	17.6
9 18	23 15.78	−12 4.9	1.053	2.046	5.9	17.8
9 28	23 7.08	−12 21.2	1.102	2.062	10.9	18.2
10 8	23 0.87	−12 17.0	1.172	2.079	15.4	18.5
10 18	22 57.75	−11 52.6	1.261	2.096	19.2	18.8

197903 2004 RL_{39} 9 12.1 354°.38 1°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.90	− 4 36.2	1.295	2.185	16.6	20.3
8 19	23 39.95	− 4 57.8	1.232	2.181	12.3	20.1
8 29	23 33.45	− 5 32.0	1.190	2.178	7.4	19.8
9 8	23 25.23	− 6 13.0	1.170	2.176	2.1	19.5
9 18	23 16.45	− 6 53.4	1.175	2.174	3.8	19.6
9 28	23 8.49	− 7 25.6	1.204	2.174	9.0	19.9
10 8	23 2.50	− 7 43.8	1.256	2.174	13.7	20.2
10 18	22 59.23	− 7 45.0	1.328	2.175	17.8	20.4

252857 2002 GO_{169} 9 12.1 217°.76 1°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.51	− 7 19.8	2.629	3.490	10.1	20.9
8 19	23 39.24	− 7 45.5	2.548	3.484	7.4	20.7
8 29	23 32.54	− 8 16.2	2.492	3.476	4.4	20.5
9 8	23 24.89	− 8 48.3	2.465	3.469	1.6	20.3
9 18	23 16.93	− 9 18.2	2.466	3.461	2.8	20.4
9 28	23 9.35	− 9 41.9	2.497	3.452	5.9	20.5
10 8	23 2.81	− 9 56.7	2.556	3.444	8.9	20.7
10 18	22 57.78	−10 1.0	2.639	3.435	11.4	20.9

163779 2003 QQ_{19} 9 12.1 52°.38 3°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.30	− 6 22.7	1.544	2.433	14.4	19.2
8 19	23 37.57	− 8 4.8	1.492	2.443	10.4	19.0
8 29	23 31.78	− 9 58.2	1.464	2.453	6.2	18.8
9 8	23 24.69	−11 53.2	1.462	2.464	3.1	18.6
9 18	23 17.26	−13 39.2	1.486	2.475	5.4	18.8
9 28	23 10.57	−15 6.8	1.537	2.486	9.4	19.0
10 8	23 5.52	−16 10.5	1.611	2.497	13.2	19.3
10 18	23 2.69	−16 48.4	1.706	2.509	16.4	19.5

521463 2015 OU_{91} 9 12.1 167°.97 4°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.23	+10 49.5	2.115	2.918	14.3	21.3
8 19	23 39.37	+10 51.4	2.035	2.920	11.6	21.1
8 29	23 32.76	+10 34.5	1.976	2.922	8.5	20.9
9 8	23 24.99	+ 9 59.9	1.943	2.923	5.6	20.7
9 18	23 16.81	+ 9 10.4	1.936	2.925	4.4	20.7
9 28	23 9.11	+ 8 11.3	1.957	2.926	6.2	20.8
10 8	23 2.69	+ 7 8.9	2.006	2.926	9.2	21.0
10 18	22 58.14	+ 6 9.5	2.078	2.927	12.2	21.2

146413 2001 QM_{197} 9 12.1 23°.35 8°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.16	+15 50.1	1.683	2.472	18.0	18.9
8 19	23 41.25	+16 52.0	1.614	2.478	15.2	18.7
8 29	23 34.10	+17 30.5	1.564	2.484	12.1	18.6
9 8	23 25.42	+17 43.1	1.536	2.491	9.4	18.4
9 18	23 16.20	+17 30.3	1.533	2.499	8.1	18.4
9 28	23 7.62	+16 56.2	1.554	2.507	9.0	18.5
10 8	23 0.71	+16 8.0	1.599	2.516	11.4	18.6
10 18	22 56.19	+15 14.3	1.667	2.525	14.2	18.8

305177 2007 VL_{292} 9 12.1 91°.01 4°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.31	−15 57.8	1.935	2.820	12.1	20.6
8 19	23 40.15	−17 3.7	1.888	2.832	9.0	20.4
8 29	23 33.16	−18 9.1	1.865	2.844	6.1	20.3
9 8	23 25.07	−19 6.8	1.868	2.856	4.9	20.3
9 18	23 16.76	−19 50.6	1.899	2.868	6.6	20.4
9 28	23 9.15	−20 16.0	1.956	2.879	9.4	20.6
10 8	23 3.05	−20 21.4	2.037	2.891	12.3	20.8
10 18	22 58.98	−20 7.6	2.139	2.902	14.8	21.0

142809 2002 US_{34} 9 12.1 12°.94 2°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.09	− 8 39.9	1.617	2.503	14.0	19.7
8 19	23 39.60	− 9 20.3	1.557	2.505	10.3	19.5
8 29	23 33.01	−10 7.6	1.519	2.507	6.1	19.3
9 8	23 25.07	−10 55.4	1.507	2.510	2.8	19.1
9 18	23 16.74	−11 36.8	1.520	2.513	4.6	19.2
9 28	23 9.13	−12 5.9	1.560	2.516	8.7	19.5
10 8	23 3.19	−12 18.8	1.623	2.520	12.5	19.7
10 18	22 59.51	−12 14.4	1.708	2.524	15.8	19.9

455138 2015 VW_{104} 9 12.2 237°.66 4°.5/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.84	−18 26.8	2.571	3.448	9.8	21.3
8 19	23 38.81	−19 17.0	2.503	3.441	7.4	21.1
8 29	23 32.29	−20 5.7	2.461	3.434	5.3	21.0
9 8	23 24.83	−20 47.5	2.446	3.427	4.6	20.9
9 18	23 17.07	−21 17.9	2.460	3.419	5.9	21.0
9 28	23 9.76	−21 33.3	2.500	3.412	8.2	21.1
10 8	23 3.55	−21 32.5	2.566	3.404	10.6	21.3
10 18	22 58.95	−21 15.4	2.654	3.396	12.7	21.4

190584 2000 SH_{311} 9 12.2 19°.68 10°.3/19.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.91	+14 47.8	1.113	1.943	22.8	18.1
8 19	23 41.78	+16 24.7	1.064	1.954	19.3	17.9
8 29	23 34.70	+17 30.7	1.031	1.966	15.4	17.7
9 8	23 25.63	+18 1.3	1.018	1.980	12.0	17.5
9 18	23 15.97	+17 56.4	1.024	1.996	10.3	17.5
9 28	23 7.35	+17 22.0	1.053	2.013	11.3	17.6
10 8	23 1.13	+16 29.0	1.102	2.031	14.1	17.9
10 18	22 58.07	+15 29.4	1.171	2.051	17.4	18.1

340341 2006 DP_{55} 9 12.2 104°.85 8°.0/20.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.89	+19 16.1	1.978	2.728	16.9	20.6
8 19	23 42.95	+20 4.6	1.909	2.743	14.4	20.4
8 29	23 34.98	+20 29.4	1.861	2.758	11.8	20.3
9 8	23 25.66	+20 28.8	1.834	2.772	9.4	20.2
9 18	23 15.92	+20 3.3	1.833	2.787	8.1	20.1
9 28	23 6.81	+19 17.0	1.858	2.800	8.6	20.2
10 8	22 59.24	+18 17.1	1.909	2.814	10.5	20.3
10 18	22 53.88	+17 11.5	1.983	2.827	12.8	20.5

271072 2003 KZ_{6} 9 12.2 27°.08 0°.5/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.93	+ 2 46.2	1.270	2.149	17.6	19.4
8 19	23 36.16	+ 1 30.5	1.218	2.158	13.2	19.2
8 29	23 31.07	− 0 9.0	1.185	2.169	8.1	18.9
9 8	23 24.52	− 2 4.2	1.176	2.181	2.7	18.6
9 18	23 17.57	− 4 3.4	1.192	2.193	3.0	18.7
9 28	23 11.47	− 5 54.2	1.233	2.206	8.3	19.0
10 8	23 7.20	− 7 26.3	1.298	2.220	13.0	19.4
10 18	23 5.39	− 8 34.0	1.383	2.235	16.9	19.6

67529 2000 RQ_{90} 9 12.2 309°.58 5°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.39	+ 9 12.8	1.291	2.136	19.4	19.0
8 19	23 40.58	+ 9 32.0	1.213	2.125	15.7	18.7
8 29	23 34.03	+ 9 25.3	1.153	2.114	11.5	18.4
9 8	23 25.49	+ 8 52.4	1.114	2.103	7.3	18.2
9 18	23 16.10	+ 7 56.6	1.099	2.092	5.7	18.1
9 28	23 7.32	+ 6 45.9	1.107	2.082	8.7	18.2
10 8	23 0.52	+ 5 31.3	1.139	2.073	13.3	18.4
10 18	22 56.62	+ 4 23.0	1.190	2.063	17.6	18.7

268880 2007 AD_{31} 9 12.2 224°.95 0°.3/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.54	− 0 31.6	1.788	2.647	14.2	21.7
8 19	23 40.64	− 1 7.4	1.709	2.640	10.7	21.4
8 29	23 33.68	− 1 57.7	1.652	2.633	6.6	21.2
9 8	23 25.31	− 2 58.1	1.621	2.626	2.1	20.9
9 18	23 16.41	− 4 2.4	1.617	2.618	2.6	20.9
9 28	23 8.05	− 5 3.3	1.642	2.610	7.2	21.2
10 8	23 1.18	− 5 54.5	1.691	2.601	11.3	21.4
10 18	22 56.49	− 6 31.6	1.764	2.592	14.9	21.6

164977 2000 AA_{123} 9 12.2 46°.68 6°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.96	+14 17.9	1.839	2.634	16.4	19.2
8 19	23 39.45	+14 37.0	1.763	2.637	13.6	19.0
8 29	23 32.94	+14 33.2	1.707	2.639	10.5	18.8
9 8	23 25.08	+14 6.1	1.674	2.642	7.6	18.7
9 18	23 16.75	+13 18.2	1.666	2.645	6.2	18.6
9 28	23 8.98	+12 14.9	1.684	2.647	7.5	18.7
10 8	23 2.67	+11 3.9	1.728	2.650	10.3	18.9
10 18	22 58.48	+ 9 53.3	1.795	2.654	13.3	19.1

208133 2000 DE_{114} 9 12.2 286°.46 0°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.10	− 2 3.2	1.859	2.726	13.4	20.2
8 19	23 37.98	− 2 54.9	1.786	2.723	9.9	20.0
8 29	23 32.00	− 3 59.7	1.736	2.720	5.9	19.7
9 8	23 24.79	− 5 12.4	1.712	2.717	1.7	19.5
9 18	23 17.17	− 6 26.2	1.715	2.714	2.9	19.5
9 28	23 10.08	− 7 33.7	1.746	2.711	7.1	19.8
10 8	23 4.36	− 8 29.1	1.803	2.708	11.0	20.0
10 18	23 0.62	− 9 8.5	1.882	2.706	14.3	20.2

274832 2009 QN_{1} 9 12.2 29°.89 5°.3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.38	−11 26.0	1.143	2.052	16.9	19.2
8 19	23 39.66	−12 48.7	1.102	2.061	12.3	19.0
8 29	23 33.25	−14 17.5	1.081	2.070	7.8	18.8
9 8	23 25.18	−15 40.7	1.083	2.081	5.3	18.7
9 18	23 16.74	−16 47.1	1.108	2.092	7.7	18.9
9 28	23 9.38	−17 28.3	1.157	2.104	12.0	19.2
10 8	23 4.23	−17 41.3	1.226	2.117	16.1	19.4
10 18	23 1.91	−17 27.3	1.313	2.130	19.6	19.7

513865 2013 HQ_{57} 9 12.2 180°.37 1°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.54	− 7 39.5	2.283	3.150	11.3	21.6
8 19	23 40.15	− 8 0.0	2.212	3.150	8.3	21.4
8 29	23 33.14	− 8 25.6	2.165	3.150	4.9	21.2
9 8	23 25.11	− 8 52.4	2.146	3.150	1.8	21.0
9 18	23 16.77	− 9 16.3	2.155	3.150	3.1	21.1
9 28	23 8.94	− 9 33.2	2.193	3.150	6.5	21.3
10 8	23 2.33	− 9 40.5	2.258	3.149	9.7	21.5
10 18	22 57.47	− 9 36.6	2.346	3.149	12.4	21.7

258538 2002 BL_{31} 9 12.2 229°.29 1°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.61	−10 45.5	4.927	5.793	5.7	21.0
8 19	23 32.19	−11 16.7	4.847	5.786	4.1	20.9
8 29	23 28.10	−11 49.5	4.795	5.779	2.5	20.8
9 8	23 23.58	−12 21.7	4.771	5.771	1.4	20.7
9 18	23 18.91	−12 51.4	4.778	5.764	2.2	20.7
9 28	23 14.42	−13 16.6	4.815	5.756	3.7	20.9
10 8	23 10.41	−13 35.8	4.880	5.748	5.3	21.0
10 18	23 7.11	−13 47.9	4.970	5.740	6.8	21.1

124073 2001 GJ_{1} 9 12.2 133°.05 9°.1/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.60	−35 56.9	2.567	3.415	10.8	19.7
8 19	23 40.96	−37 20.9	2.538	3.423	9.6	19.6
8 29	23 33.61	−38 31.2	2.534	3.430	9.1	19.6
9 8	23 25.23	−39 21.5	2.555	3.437	9.4	19.6
9 18	23 16.65	−39 47.6	2.599	3.444	10.4	19.7
9 28	23 8.74	−39 47.9	2.666	3.451	11.8	19.8
10 8	23 2.24	−39 23.8	2.754	3.457	13.2	20.0
10 18	22 57.66	−38 38.3	2.858	3.464	14.4	20.1

381993 2010 KQ_{34} 9 12.2 120°.94 5°.9/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.99	−19 54.3	2.131	3.011	11.4	21.6
8 19	23 41.25	−21 15.1	2.091	3.028	8.7	21.5
8 29	23 33.78	−22 32.0	2.076	3.045	6.5	21.4
9 8	23 25.29	−23 37.7	2.089	3.061	6.0	21.4
9 18	23 16.60	−24 26.3	2.128	3.076	7.5	21.5
9 28	23 8.62	−24 53.9	2.194	3.091	9.8	21.7
10 8	23 2.10	−24 59.9	2.284	3.106	12.3	21.9
10 18	22 57.54	−24 45.7	2.394	3.120	14.4	22.1

125446 2001 VN_{121} 9 12.2 296°.77 1°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.24	+ 2 6.2	1.539	2.404	15.8	19.9
8 19	23 38.54	+ 1 26.1	1.458	2.390	12.1	19.6
8 29	23 32.59	+ 0 25.8	1.397	2.377	7.7	19.4
9 8	23 25.04	− 0 50.2	1.361	2.365	2.8	19.0
9 18	23 16.84	− 2 14.6	1.351	2.352	2.7	19.0
9 28	23 9.18	− 3 38.1	1.366	2.339	7.7	19.3
10 8	23 3.13	− 4 51.6	1.407	2.327	12.3	19.5
10 18	22 59.45	− 5 48.8	1.468	2.315	16.4	19.7

334857 2003 UB_{104} 9 12.2 315°.79 1°.3/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.67	− 0 55.6	2.004	2.857	13.2	20.1
8 19	23 41.42	− 0 34.7	1.910	2.836	10.1	19.8
8 29	23 34.17	− 0 22.8	1.838	2.815	6.4	19.6
9 8	23 25.50	− 0 18.3	1.792	2.794	2.6	19.3
9 18	23 16.22	− 0 18.7	1.774	2.774	2.4	19.2
9 28	23 7.31	− 0 20.6	1.784	2.755	6.4	19.4
10 8	22 59.71	− 0 20.1	1.820	2.735	10.3	19.6
10 18	22 54.14	− 0 14.3	1.880	2.716	13.8	19.8

393779 2005 JF_{28} 9 12.2 62°.22 0°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.79	− 0 22.6	1.782	2.647	14.0	21.1
8 19	23 37.70	− 1 21.2	1.723	2.659	10.4	20.9
8 29	23 31.79	− 2 34.2	1.688	2.671	6.2	20.7
9 8	23 24.73	− 3 55.7	1.678	2.683	1.8	20.4
9 18	23 17.39	− 5 18.5	1.695	2.695	2.7	20.5
9 28	23 10.68	− 6 34.6	1.740	2.708	6.9	20.8
10 8	23 5.42	− 7 38.0	1.811	2.720	10.7	21.0
10 18	23 2.15	− 8 24.7	1.905	2.733	13.9	21.3

21904 1999 VV_{12} 9 12.2 144°.24 8°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.53	−33 17.1	2.554	3.409	10.6	17.0
8 19	23 40.88	−34 33.8	2.519	3.415	9.2	16.9
8 29	23 33.56	−35 38.6	2.508	3.421	8.5	16.9
9 8	23 25.24	−36 25.2	2.523	3.426	8.7	16.9
9 18	23 16.71	−36 49.3	2.562	3.431	9.8	17.0
9 28	23 8.83	−36 49.1	2.625	3.436	11.3	17.1
10 8	23 2.32	−36 25.6	2.710	3.440	12.8	17.2
10 18	22 57.68	−35 41.4	2.812	3.444	14.2	17.3

300412 2007 RQ_{290} 9 12.2 252°.15 2°.1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.80	+ 4 35.8	2.001	2.840	13.7	20.9
8 19	23 38.45	+ 4 12.4	1.917	2.833	10.6	20.6
8 29	23 32.30	+ 3 32.6	1.856	2.826	7.1	20.4
9 8	23 24.92	+ 2 38.9	1.820	2.819	3.4	20.2
9 18	23 17.09	+ 1 36.1	1.812	2.812	2.6	20.1
9 28	23 9.71	+ 0 30.4	1.832	2.804	6.1	20.3
10 8	23 3.60	− 0 31.6	1.878	2.797	9.8	20.5
10 18	22 59.39	− 1 24.5	1.948	2.789	13.1	20.7

398028 2009 DX_{90} 9 12.2 172°.72 0°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.11	+ 0 4.7	2.354	3.199	11.7	22.5
8 19	23 39.08	− 0 26.3	2.278	3.202	8.8	22.3
8 29	23 32.51	− 1 8.4	2.226	3.204	5.4	22.1
9 8	23 24.96	− 1 58.0	2.202	3.206	1.8	21.9
9 18	23 17.08	− 2 50.9	2.207	3.207	2.0	21.9
9 28	23 9.66	− 3 41.9	2.241	3.208	5.6	22.1
10 8	23 3.38	− 4 26.5	2.302	3.208	8.9	22.3
10 18	22 58.75	− 5 1.3	2.388	3.208	11.7	22.5

341806 2007 XA_{37} 9 12.2 211°.09 6°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.06	+16 25.2	2.378	3.139	14.1	21.0
8 19	23 39.96	+16 47.7	2.286	3.134	11.9	20.8
8 29	23 33.15	+16 51.1	2.216	3.128	9.4	20.6
9 8	23 25.18	+16 34.7	2.169	3.123	7.2	20.5
9 18	23 16.73	+15 59.4	2.149	3.117	6.0	20.4
9 28	23 8.65	+15 9.0	2.157	3.110	6.8	20.4
10 8	23 1.72	+14 9.1	2.191	3.103	9.0	20.6
10 18	22 56.54	+13 6.1	2.251	3.096	11.5	20.7

51747 2001 KR_{63} 9 12.2 7°.31 7°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.98	−13 13.6	1.013	1.937	17.1	17.8
8 19	23 35.30	−15 34.7	0.972	1.938	12.6	17.5
8 29	23 30.83	−18 2.7	0.951	1.939	8.8	17.3
9 8	23 24.53	−20 20.3	0.952	1.943	7.8	17.3
9 18	23 17.72	−22 11.5	0.976	1.947	10.7	17.5
9 28	23 11.90	−23 24.9	1.021	1.953	14.9	17.7
10 8	23 8.29	−23 57.3	1.084	1.960	18.9	18.0
10 18	23 7.56	−23 51.1	1.163	1.969	22.3	18.3

264406 2000 GJ_{11} 9 12.2 157°.88 1°.2/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.19	− 5 14.3	1.850	2.716	13.5	22.0
8 19	23 42.41	− 5 49.3	1.785	2.722	9.9	21.8
8 29	23 34.65	− 6 33.3	1.743	2.727	5.9	21.6
9 8	23 25.61	− 7 21.0	1.727	2.732	1.8	21.3
9 18	23 16.22	− 8 6.7	1.739	2.736	3.3	21.4
9 28	23 7.49	− 8 44.5	1.780	2.740	7.4	21.7
10 8	23 0.32	− 9 10.1	1.846	2.743	11.2	21.9
10 18	22 55.31	− 9 21.4	1.935	2.746	14.4	22.1

45167 1999 XG_{129} 9 12.2 37°.24 1°.3/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.88	− 0 35.8	1.359	2.229	17.2	18.3
8 19	23 43.54	− 0 29.2	1.297	2.232	13.0	18.1
8 29	23 35.60	− 0 37.5	1.255	2.236	8.2	17.8
9 8	23 25.94	− 0 57.2	1.237	2.240	3.0	17.5
9 18	23 15.77	− 1 23.0	1.244	2.245	3.0	17.5
9 28	23 6.48	− 1 48.6	1.276	2.250	8.1	17.9
10 8	22 59.23	− 2 7.7	1.333	2.254	12.8	18.1
10 18	22 54.77	− 2 16.2	1.410	2.260	16.8	18.4

505961 2015 FO_{286} 9 12.2 48°.87 7°.5/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.06	−18 40.2	1.444	2.346	14.5	20.0
8 19	23 39.75	−20 27.3	1.411	2.360	11.0	19.8
8 29	23 33.14	−22 10.8	1.400	2.375	8.3	19.7
9 8	23 25.16	−23 39.3	1.413	2.390	7.7	19.7
9 18	23 16.91	−24 43.6	1.451	2.405	9.7	19.8
9 28	23 9.62	−25 18.4	1.512	2.421	12.7	20.1
10 8	23 4.25	−25 23.2	1.595	2.437	15.7	20.3
10 18	23 1.35	−25 0.9	1.695	2.453	18.2	20.5

516947 2012 BK_{112} 9 12.2 170°.04 1°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.33	+ 3 15.2	2.730	3.557	10.8	22.0
8 19	23 38.33	+ 3 6.8	2.650	3.560	8.3	21.8
8 29	23 32.00	+ 2 47.8	2.594	3.562	5.4	21.7
9 8	23 24.81	+ 2 20.1	2.566	3.564	2.6	21.5
9 18	23 17.33	+ 1 46.6	2.567	3.566	2.1	21.4
9 28	23 10.24	+ 1 11.1	2.597	3.567	4.7	21.6
10 8	23 4.11	+ 0 37.2	2.655	3.568	7.6	21.8
10 18	22 59.42	+ 0 8.5	2.739	3.569	10.1	22.0

467542 2007 TC_{25} 9 12.2 356°.76 3°.8/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.35	−10 18.3	0.945	1.859	19.0	20.6
8 19	23 41.76	−10 38.0	0.892	1.854	14.1	20.3
8 29	23 34.88	−11 4.8	0.858	1.850	8.6	20.0
9 8	23 25.78	−11 30.0	0.844	1.848	4.1	19.7
9 18	23 16.01	−11 44.5	0.852	1.847	6.4	19.9
9 28	23 7.41	−11 41.0	0.881	1.848	11.9	20.2
10 8	23 1.45	−11 16.3	0.930	1.850	17.1	20.5
10 18	22 58.93	−10 31.0	0.996	1.853	21.5	20.8

261636 2005 YN_{48} 9 12.2 246°.64 0°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.33	− 0 31.9	2.383	3.233	11.4	21.5
8 19	23 37.82	− 0 55.5	2.301	3.227	8.6	21.3
8 29	23 31.79	− 1 29.5	2.243	3.221	5.3	21.1
9 8	23 24.77	− 2 10.7	2.211	3.215	1.8	20.9
9 18	23 17.39	− 2 55.2	2.208	3.209	2.0	20.9
9 28	23 10.40	− 3 38.2	2.234	3.203	5.5	21.1
10 8	23 4.49	− 4 15.5	2.288	3.196	8.8	21.3
10 18	23 0.18	− 4 43.7	2.365	3.190	11.7	21.5

52441 1994 RS_{1} 9 12.2 341°.73 0°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 30.34	+ 3 24.8	0.956	1.861	19.8	17.4
8 19	23 30.57	+ 2 11.4	0.884	1.839	15.1	17.1
8 29	23 28.16	+ 0 21.3	0.830	1.819	9.5	16.7
9 8	23 23.82	− 1 58.5	0.795	1.801	3.2	16.3
9 18	23 18.65	− 4 33.6	0.783	1.785	3.7	16.3
9 28	23 14.16	− 7 4.4	0.792	1.771	10.3	16.6
10 8	23 11.74	− 9 12.6	0.821	1.759	16.4	16.9
10 18	23 12.28	−10 46.4	0.867	1.750	21.6	17.2

99617 2002 GF_{82} 9 12.2 34°.04 2°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.75	− 7 44.8	1.798	2.682	13.0	18.8
8 19	23 37.64	− 8 36.9	1.746	2.694	9.4	18.6
8 29	23 31.74	− 9 35.9	1.718	2.706	5.6	18.4
9 8	23 24.74	−10 35.6	1.716	2.719	2.4	18.2
9 18	23 17.49	−11 29.4	1.740	2.732	4.2	18.4
9 28	23 10.90	−12 11.5	1.791	2.746	7.9	18.6
10 8	23 5.77	−12 38.0	1.867	2.760	11.3	18.9
10 18	23 2.60	−12 47.6	1.964	2.775	14.3	19.1

157408 2004 TF_{258} 9 12.2 24°.45 2°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.40	+ 2 39.3	1.226	2.102	18.3	20.0
8 19	23 38.82	+ 2 24.1	1.174	2.111	13.9	19.8
8 29	23 32.76	+ 1 47.7	1.141	2.121	9.0	19.5
9 8	23 25.09	+ 0 54.8	1.130	2.133	3.8	19.3
9 18	23 17.02	− 0 7.2	1.144	2.145	3.1	19.3
9 28	23 9.87	− 1 8.8	1.181	2.158	8.0	19.6
10 8	23 4.73	− 2 1.4	1.242	2.172	12.7	19.9
10 18	23 2.25	− 2 39.3	1.323	2.187	16.7	20.2

14162 1998 TV_{1} 9 12.2 326°.74 13°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.80	−28 35.7	1.131	2.034	17.5	16.3
8 19	23 43.77	−30 1.5	1.071	2.008	14.9	16.1
8 29	23 36.26	−31 14.4	1.029	1.984	13.2	15.9
9 8	23 26.25	−31 59.4	1.007	1.961	13.3	15.9
9 18	23 15.33	−32 4.4	1.006	1.938	15.4	15.9
9 28	23 5.44	−31 23.9	1.024	1.917	18.6	16.0
10 8	22 58.22	−30 0.4	1.058	1.898	22.0	16.2
10 18	22 54.62	−28 1.4	1.107	1.879	25.2	16.4

107570 2001 DE_{90} 9 12.2 149°.41 5°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.58	+16 23.2	2.639	3.390	13.1	19.8
8 19	23 40.88	+17 3.1	2.555	3.394	11.0	19.7
8 29	23 33.63	+17 26.4	2.493	3.399	8.8	19.5
9 8	23 25.33	+17 32.2	2.456	3.403	6.8	19.4
9 18	23 16.64	+17 21.0	2.447	3.407	5.9	19.4
9 28	23 8.33	+16 55.5	2.465	3.411	6.5	19.4
10 8	23 1.10	+16 20.0	2.511	3.414	8.3	19.5
10 18	22 55.50	+15 39.7	2.581	3.417	10.5	19.7

493623 2015 PE_{21} 9 12.2 340°.45 5°.3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.68	−16 27.0	1.797	2.685	12.8	20.8
8 19	23 40.70	−17 22.5	1.738	2.683	9.6	20.6
8 29	23 33.68	−18 17.8	1.702	2.681	6.6	20.4
9 8	23 25.35	−19 5.4	1.691	2.680	5.3	20.3
9 18	23 16.66	−19 38.6	1.707	2.678	7.0	20.4
9 28	23 8.65	−19 52.8	1.749	2.677	10.1	20.6
10 8	23 2.24	−19 46.3	1.815	2.676	13.2	20.8
10 18	22 58.03	−19 19.8	1.900	2.675	16.0	21.0

311901 2006 YM_{48} 9 12.2 134°.01 3°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.57	+ 9 38.5	2.459	3.259	12.6	21.4
8 19	23 39.39	+ 9 48.0	2.382	3.266	10.1	21.2
8 29	23 32.70	+ 9 42.3	2.328	3.274	7.4	21.0
9 8	23 25.04	+ 9 22.5	2.300	3.281	4.8	20.9
9 18	23 17.07	+ 8 50.9	2.299	3.288	3.8	20.8
9 28	23 9.53	+ 8 11.2	2.328	3.294	5.5	21.0
10 8	23 3.12	+ 7 28.3	2.383	3.301	8.1	21.1
10 18	22 58.32	+ 6 47.1	2.465	3.307	10.7	21.3

91170 1998 QS_{109} 9 12.2 20°.30 0°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.61	− 2 31.4	1.739	2.612	13.9	18.7
8 19	23 37.65	− 3 1.5	1.679	2.619	10.3	18.5
8 29	23 31.81	− 3 43.3	1.641	2.626	6.2	18.3
9 8	23 24.79	− 4 31.9	1.628	2.633	1.8	18.0
9 18	23 17.44	− 5 21.5	1.641	2.641	2.7	18.1
9 28	23 10.73	− 6 5.8	1.682	2.650	7.0	18.4
10 8	23 5.49	− 6 39.7	1.747	2.660	10.8	18.6
10 18	23 2.27	− 7 0.0	1.835	2.670	14.1	18.9

143823 2003 WU_{142} 9 12.2 275°.49 7°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.70	+13 13.3	1.591	2.398	18.1	19.7
8 19	23 42.06	+13 48.5	1.498	2.380	15.1	19.5
8 29	23 34.89	+14 0.0	1.424	2.362	11.7	19.2
9 8	23 25.83	+13 45.8	1.372	2.344	8.5	19.0
9 18	23 15.86	+13 6.5	1.344	2.325	7.0	18.9
9 28	23 6.28	+12 7.1	1.341	2.306	8.8	18.9
10 8	22 58.36	+10 56.5	1.363	2.288	12.3	19.1
10 18	22 53.02	+ 9 44.2	1.407	2.269	16.1	19.3

293122 2006 XV_{44} 9 12.2 343°.37 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.73	− 6 52.5	1.747	2.629	13.4	20.5
8 19	23 38.57	− 7 32.1	1.678	2.624	9.8	20.3
8 29	23 32.44	− 8 20.3	1.632	2.620	5.8	20.0
9 8	23 25.01	− 9 11.3	1.612	2.616	2.2	19.8
9 18	23 17.15	− 9 58.7	1.618	2.613	3.9	19.9
9 28	23 9.88	−10 36.3	1.650	2.609	8.0	20.1
10 8	23 4.09	−10 59.7	1.707	2.607	11.8	20.4
10 18	23 0.40	−11 6.7	1.785	2.605	15.1	20.6

166553 2002 RL_{86} 9 12.2 79°.43 5°.1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 11.31	−17 3.7	0.968	1.851	21.5	19.5
8 19	0 1.04	−16 22.3	0.915	1.857	16.3	19.2
8 29	23 46.48	−15 31.8	0.881	1.864	10.4	18.9
9 8	23 29.21	−14 25.3	0.870	1.870	5.5	18.7
9 18	23 11.55	−13 0.1	0.885	1.877	7.2	18.8
9 28	22 56.00	−11 18.5	0.925	1.883	12.7	19.2
10 8	22 44.32	− 9 26.3	0.988	1.890	18.1	19.5
10 18	22 37.24	− 7 29.1	1.069	1.897	22.5	19.8

443438 2014 HF_{141} 9 12.2 228°.66 0°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.82	− 1 51.4	1.947	2.807	13.2	21.4
8 19	23 39.93	− 2 11.8	1.873	2.806	9.9	21.1
8 29	23 33.18	− 2 43.2	1.823	2.805	6.0	20.9
9 8	23 25.22	− 3 21.8	1.798	2.803	1.9	20.6
9 18	23 16.86	− 4 2.9	1.802	2.802	2.4	20.7
9 28	23 9.04	− 4 40.9	1.833	2.801	6.6	20.9
10 8	23 2.60	− 5 11.1	1.890	2.799	10.3	21.2
10 18	22 58.14	− 5 30.2	1.970	2.798	13.6	21.4

511034 2013 RE_{19} 9 12.2 326°.15 4°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.94	+ 4 43.3	1.190	2.059	19.2	21.2
8 19	23 40.45	+ 5 4.8	1.114	2.044	15.2	20.9
8 29	23 34.09	+ 5 4.2	1.056	2.030	10.5	20.6
9 8	23 25.62	+ 4 42.3	1.019	2.017	5.7	20.3
9 18	23 16.23	+ 4 3.1	1.005	2.004	4.4	20.2
9 28	23 7.48	+ 3 14.4	1.014	1.992	8.8	20.4
10 8	23 0.81	+ 2 25.9	1.046	1.981	14.0	20.7
10 18	22 57.19	+ 1 46.1	1.096	1.971	18.6	20.9

50262 2000 BN_{27} 9 12.2 271°.96 0°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.63	− 0 51.7	1.619	2.483	15.2	19.7
8 19	23 41.83	− 1 13.1	1.530	2.464	11.5	19.4
8 29	23 34.66	− 1 49.5	1.463	2.444	7.2	19.1
9 8	23 25.74	− 2 37.1	1.420	2.425	2.4	18.7
9 18	23 16.07	− 3 30.1	1.404	2.405	2.8	18.7
9 28	23 6.85	− 4 21.0	1.415	2.385	7.9	19.0
10 8	22 59.25	− 5 3.1	1.450	2.364	12.5	19.2
10 18	22 54.09	− 5 31.3	1.507	2.343	16.6	19.4

364565 2007 KK_{7} 9 12.2 160°.59 5°.6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.33	−23 22.7	2.966	3.839	8.7	21.3
8 19	23 37.61	−24 59.7	2.918	3.845	6.9	21.2
8 29	23 31.58	−26 32.6	2.898	3.851	5.7	21.1
9 8	23 24.72	−27 55.3	2.907	3.856	5.8	21.1
9 18	23 17.60	−29 2.9	2.944	3.861	7.0	21.2
9 28	23 10.86	−29 52.0	3.007	3.865	8.7	21.3
10 8	23 5.10	−30 21.4	3.095	3.869	10.5	21.5
10 18	23 0.75	−30 31.6	3.203	3.872	12.0	21.6

226436 2003 SH_{34} 9 12.2 46°.17 0°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.65	− 3 49.6	1.980	2.849	12.6	20.3
8 19	23 38.16	− 4 21.6	1.924	2.862	9.3	20.1
8 29	23 32.02	− 5 2.7	1.891	2.875	5.5	19.9
9 8	23 24.85	− 5 48.3	1.884	2.889	1.6	19.7
9 18	23 17.44	− 6 33.3	1.904	2.903	2.7	19.8
9 28	23 10.65	− 7 12.2	1.953	2.918	6.5	20.1
10 8	23 5.19	− 7 41.1	2.027	2.932	10.0	20.3
10 18	23 1.57	− 7 57.4	2.124	2.947	12.9	20.5

303147 2004 DD_{57} 9 12.2 309°.48 1°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.63	+ 1 57.7	1.791	2.646	14.4	21.1
8 19	23 38.53	+ 1 35.5	1.711	2.638	11.0	20.9
8 29	23 32.46	+ 0 57.5	1.653	2.630	7.0	20.6
9 8	23 25.04	+ 0 7.0	1.619	2.622	2.8	20.3
9 18	23 17.12	− 0 50.8	1.613	2.614	2.5	20.3
9 28	23 9.70	− 1 49.0	1.634	2.606	6.7	20.5
10 8	23 3.70	− 2 41.0	1.680	2.599	10.8	20.8
10 18	22 59.77	− 3 21.8	1.749	2.592	14.3	21.0

437977 2003 SE_{24} 9 12.2 8°.20 3°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.79	− 0 6.3	1.279	2.146	18.2	19.6
8 19	23 45.90	+ 1 1.4	1.216	2.148	14.1	19.4
8 29	23 37.14	+ 1 57.1	1.173	2.150	9.3	19.1
9 8	23 26.47	+ 2 40.7	1.154	2.154	4.5	18.9
9 18	23 15.20	+ 3 13.0	1.160	2.158	4.0	18.9
9 28	23 4.87	+ 3 37.3	1.190	2.164	8.4	19.1
10 8	22 56.80	+ 3 57.8	1.245	2.171	13.1	19.4
10 18	22 51.77	+ 4 18.9	1.320	2.179	17.1	19.7

485197 2010 TO_{165} 9 12.2 313°.77 3°.6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.21	−13 13.6	1.994	2.876	12.0	21.2
8 19	23 40.21	−13 50.0	1.924	2.869	8.9	21.0
8 29	23 33.35	−14 28.5	1.879	2.863	5.6	20.8
9 8	23 25.28	−15 3.2	1.860	2.856	3.7	20.7
9 18	23 16.83	−15 28.8	1.868	2.850	5.2	20.8
9 28	23 8.94	−15 40.9	1.903	2.844	8.5	20.9
10 8	23 2.45	−15 37.2	1.962	2.838	11.7	21.1
10 18	22 57.95	−15 17.4	2.044	2.833	14.5	21.3

223269 2003 GB_{22} 9 12.2 223°.32 0°.8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.54	+ 0 46.9	1.913	2.764	13.8	21.1
8 19	23 40.58	+ 0 16.8	1.831	2.757	10.4	20.9
8 29	23 33.66	− 0 27.9	1.771	2.749	6.5	20.6
9 8	23 25.40	− 1 23.2	1.737	2.741	2.3	20.4
9 18	23 16.63	− 2 23.9	1.731	2.732	2.4	20.3
9 28	23 8.35	− 3 23.4	1.753	2.723	6.7	20.6
10 8	23 1.46	− 4 15.4	1.802	2.713	10.6	20.8
10 18	22 56.62	− 4 55.3	1.873	2.703	14.1	21.0

263808 2008 RQ_{54} 9 12.2 289°.30 1°.1/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.82	+ 3 31.5	4.299	5.121	7.2	21.2
8 19	23 32.46	+ 3 14.4	4.212	5.119	5.5	21.1
8 29	23 28.34	+ 2 50.1	4.150	5.116	3.7	21.0
9 8	23 23.74	+ 2 20.3	4.117	5.114	1.8	20.8
9 18	23 18.97	+ 1 46.7	4.113	5.112	1.4	20.8
9 28	23 14.40	+ 1 11.7	4.139	5.109	3.1	20.9
10 8	23 10.37	+ 0 37.8	4.194	5.107	5.0	21.1
10 18	23 7.14	+ 0 7.0	4.275	5.104	6.8	21.2

444589 2006 UF_{52} 9 12.2 262°.93 0°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.83	− 2 50.1	2.002	2.867	12.7	21.5
8 19	23 38.42	− 3 29.6	1.929	2.865	9.4	21.3
8 29	23 32.27	− 4 20.0	1.879	2.863	5.6	21.1
9 8	23 24.96	− 5 16.8	1.855	2.861	1.6	20.8
9 18	23 17.28	− 6 14.2	1.860	2.859	2.7	20.9
9 28	23 10.09	− 7 6.4	1.892	2.857	6.7	21.2
10 8	23 4.21	− 7 48.1	1.950	2.854	10.3	21.4
10 18	23 0.19	− 8 16.3	2.031	2.852	13.5	21.6

153586 2001 SR_{246} 9 12.2 350°.05 1°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.29	− 5 50.3	1.087	1.993	17.8	19.3
8 19	23 38.48	− 6 16.5	1.026	1.984	13.2	19.0
8 29	23 32.83	− 6 56.2	0.984	1.976	7.9	18.7
9 8	23 25.21	− 7 42.1	0.963	1.969	2.6	18.4
9 18	23 16.92	− 8 25.5	0.965	1.964	4.7	18.5
9 28	23 9.49	− 8 57.1	0.990	1.960	10.3	18.8
10 8	23 4.26	− 9 10.6	1.035	1.958	15.4	19.1
10 18	23 2.02	− 9 3.4	1.098	1.958	19.8	19.4

283018 2007 VA_{156} 9 12.2 80°.98 0°.9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.99	+ 0 11.4	1.871	2.726	13.8	20.8
8 19	23 40.09	− 0 3.6	1.801	2.729	10.4	20.6
8 29	23 33.30	− 0 31.5	1.753	2.732	6.5	20.4
9 8	23 25.27	− 1 8.8	1.731	2.735	2.4	20.1
9 18	23 16.86	− 1 50.8	1.737	2.738	2.4	20.1
9 28	23 9.04	− 2 31.8	1.770	2.740	6.5	20.4
10 8	23 2.65	− 3 6.4	1.829	2.743	10.3	20.7
10 18	22 58.30	− 3 30.9	1.910	2.746	13.6	20.9

447712 2007 EN_{130} 9 12.2 200°.31 0°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.18	− 5 17.6	2.376	3.235	11.1	21.5
8 19	23 39.88	− 5 32.7	2.300	3.234	8.2	21.3
8 29	23 33.03	− 5 54.3	2.249	3.232	4.9	21.1
9 8	23 25.18	− 6 18.9	2.226	3.231	1.4	20.9
9 18	23 17.00	− 6 42.9	2.231	3.229	2.5	21.0
9 28	23 9.29	− 7 2.4	2.266	3.227	5.9	21.2
10 8	23 2.73	− 7 14.3	2.327	3.226	9.1	21.4
10 18	22 57.85	− 7 16.5	2.412	3.223	11.9	21.6

390123 2012 VQ_{53} 9 12.2 200°.54 2°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.09	− 9 27.5	2.058	2.932	12.0	21.6
8 19	23 40.79	−10 11.2	1.988	2.929	8.8	21.4
8 29	23 33.68	−11 0.2	1.941	2.927	5.3	21.2
9 8	23 25.39	−11 49.1	1.922	2.924	2.6	21.0
9 18	23 16.72	−12 32.0	1.931	2.920	4.2	21.1
9 28	23 8.60	−13 4.0	1.968	2.916	7.7	21.3
10 8	23 1.83	−13 21.7	2.030	2.912	11.1	21.5
10 18	22 57.00	−13 23.8	2.115	2.908	14.0	21.7

200217 1999 TF_{200} 9 12.2 109°.98 3°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.09	+ 9 50.1	1.911	2.727	15.2	19.9
8 19	23 39.40	+ 9 38.3	1.841	2.736	12.1	19.7
8 29	23 32.87	+ 9 6.2	1.792	2.745	8.7	19.6
9 8	23 25.15	+ 8 15.6	1.767	2.753	5.3	19.4
9 18	23 17.07	+ 7 10.8	1.769	2.762	4.0	19.3
9 28	23 9.57	+ 5 58.3	1.799	2.770	6.3	19.5
10 8	23 3.48	+ 4 45.6	1.855	2.778	9.6	19.7
10 18	22 59.39	+ 3 39.3	1.935	2.786	12.8	19.9

50192 2000 AT_{193} 9 12.2 293°.24 8°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.16	+17 17.6	1.517	2.310	19.4	18.5
8 19	23 40.30	+17 56.0	1.427	2.293	16.6	18.3
8 29	23 33.89	+18 6.4	1.354	2.276	13.4	18.0
9 8	23 25.58	+17 45.4	1.301	2.260	10.4	17.8
9 18	23 16.36	+16 53.1	1.271	2.243	8.8	17.7
9 28	23 7.56	+15 34.6	1.266	2.226	9.8	17.7
10 8	23 0.48	+14 0.0	1.283	2.210	12.8	17.8
10 18	22 56.04	+12 21.1	1.323	2.193	16.4	18.0

37762 1997 GU_{1} 9 12.2 12°.73 0°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.25	− 2 58.8	1.755	2.628	13.8	19.0
8 19	23 38.16	− 3 25.4	1.690	2.630	10.2	18.8
8 29	23 32.16	− 4 3.2	1.648	2.633	6.1	18.6
9 8	23 24.94	− 4 47.6	1.632	2.637	1.8	18.3
9 18	23 17.36	− 5 32.8	1.642	2.641	2.8	18.4
9 28	23 10.40	− 6 12.8	1.678	2.646	7.0	18.7
10 8	23 4.90	− 6 42.7	1.740	2.652	10.9	18.9
10 18	23 1.44	− 6 59.4	1.824	2.657	14.2	19.1

315083 2007 DU_{70} 9 12.2 78°.75 0°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.80	− 2 30.3	2.204	3.067	11.7	20.6
8 19	23 36.74	− 3 25.8	2.138	3.073	8.6	20.4
8 29	23 31.17	− 4 31.9	2.095	3.079	5.1	20.2
9 8	23 24.63	− 5 43.5	2.079	3.085	1.5	19.9
9 18	23 17.80	− 6 55.0	2.092	3.090	2.6	20.0
9 28	23 11.45	− 8 0.4	2.133	3.096	6.2	20.3
10 8	23 6.26	− 8 54.7	2.201	3.102	9.5	20.5
10 18	23 2.71	− 9 34.9	2.293	3.108	12.3	20.7

298699 2004 EG_{48} 9 12.2 273°.86 1°.5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.99	− 4 17.7	1.990	2.860	12.5	20.8
8 19	23 37.95	− 5 22.4	1.903	2.843	9.2	20.6
8 29	23 32.09	− 6 39.3	1.840	2.826	5.5	20.3
9 8	23 24.95	− 8 2.7	1.804	2.809	1.8	20.0
9 18	23 17.30	− 9 25.6	1.796	2.791	3.5	20.1
9 28	23 10.03	−10 40.4	1.816	2.773	7.5	20.4
10 8	23 4.01	−11 41.2	1.861	2.755	11.3	20.5
10 18	22 59.88	−12 24.1	1.929	2.737	14.6	20.7

521394 2015 MK_{143} 9 12.2 355°.78 0°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.33	− 1 31.4	1.593	2.468	14.8	21.1
8 19	23 37.70	− 2 14.0	1.525	2.466	11.0	20.9
8 29	23 32.00	− 3 11.5	1.479	2.464	6.7	20.6
9 8	23 24.92	− 4 18.4	1.457	2.463	1.9	20.3
9 18	23 17.39	− 5 27.5	1.462	2.462	2.9	20.4
9 28	23 10.48	− 6 30.7	1.493	2.462	7.6	20.7
10 8	23 5.13	− 7 21.4	1.548	2.462	11.8	20.9
10 18	23 1.99	− 7 55.4	1.624	2.463	15.5	21.2

94266 2001 DO 9 12.2 52°.69 1°.3/14.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.36	+ 3 31.7	2.903	3.735	10.1	19.4
8 19	23 34.63	+ 3 1.6	2.828	3.742	7.7	19.3
8 29	23 29.77	+ 2 20.6	2.778	3.748	5.0	19.1
9 8	23 24.20	+ 1 31.4	2.756	3.755	2.3	18.9
9 18	23 18.41	+ 0 37.4	2.762	3.762	1.7	18.9
9 28	23 12.95	− 0 17.4	2.797	3.769	4.3	19.1
10 8	23 8.35	− 1 8.9	2.861	3.776	7.0	19.3
10 18	23 4.97	− 1 53.7	2.950	3.783	9.4	19.5

480801 2016 PX_{58} 9 12.2 331°.76 7°.9/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.66	−17 52.6	1.419	2.324	14.4	21.1
8 19	23 38.30	−19 57.1	1.365	2.317	11.1	20.9
8 29	23 32.53	−22 2.8	1.334	2.310	8.4	20.7
9 8	23 25.11	−23 56.8	1.327	2.304	8.1	20.7
9 18	23 17.14	−25 27.3	1.345	2.298	10.4	20.8
9 28	23 9.91	−26 26.1	1.386	2.293	13.7	21.0
10 8	23 4.53	−26 50.4	1.447	2.288	17.1	21.2
10 18	23 1.71	−26 42.3	1.525	2.284	19.9	21.4

35322 1997 CX_{16} 9 12.2 200°.03 2°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.85	+ 5 12.8	2.277	3.102	12.7	19.3
8 19	23 39.76	+ 5 19.2	2.195	3.101	9.9	19.1
8 29	23 33.03	+ 5 12.3	2.137	3.100	6.8	18.9
9 8	23 25.21	+ 4 53.5	2.105	3.099	3.7	18.7
9 18	23 17.01	+ 4 25.5	2.101	3.097	2.9	18.7
9 28	23 9.24	+ 3 52.5	2.125	3.096	5.6	18.8
10 8	23 2.65	+ 3 19.1	2.177	3.094	8.7	19.0
10 18	22 57.79	+ 2 49.7	2.253	3.093	11.7	19.2

300609 2007 TE_{445} 9 12.2 301°.30 0°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.98	− 2 52.6	1.717	2.591	14.0	20.6
8 19	23 38.18	− 3 42.3	1.635	2.577	10.4	20.4
8 29	23 32.33	− 4 46.0	1.576	2.562	6.2	20.1
9 8	23 25.05	− 5 58.3	1.542	2.548	1.8	19.8
9 18	23 17.21	− 7 11.9	1.535	2.534	3.3	19.9
9 28	23 9.84	− 8 18.9	1.555	2.520	7.8	20.1
10 8	23 3.92	− 9 12.5	1.599	2.506	12.0	20.3
10 18	23 0.15	− 9 48.6	1.665	2.493	15.6	20.5

226030 2002 ER_{153} 9 12.2 282°.41 0°.5/13.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.27	+ 0 28.9	4.381	5.217	6.9	20.7
8 19	23 32.07	+ 0 1.5	4.289	5.208	5.2	20.6
8 29	23 28.13	− 0 32.0	4.224	5.198	3.2	20.4
9 8	23 23.71	− 1 10.0	4.186	5.189	1.2	20.3
9 18	23 19.11	− 1 50.2	4.179	5.180	1.1	20.2
9 28	23 14.69	− 2 30.3	4.202	5.170	3.2	20.4
10 8	23 10.79	− 3 7.8	4.254	5.161	5.1	20.5
10 18	23 7.67	− 3 40.6	4.332	5.152	6.9	20.7

70923 1999 VY_{197} 9 12.2 290°.01 2°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.80	+ 6 42.2	1.759	2.600	15.2	19.1
8 19	23 37.25	+ 5 51.5	1.675	2.591	11.9	18.9
8 29	23 31.74	+ 4 38.1	1.612	2.582	8.0	18.7
9 8	23 24.88	+ 3 5.6	1.574	2.573	3.9	18.4
9 18	23 17.49	+ 1 20.9	1.563	2.563	2.8	18.3
9 28	23 10.59	− 0 27.0	1.580	2.555	6.6	18.5
10 8	23 5.08	− 2 8.3	1.623	2.546	10.8	18.8
10 18	23 1.64	− 3 35.4	1.689	2.537	14.5	19.0

208120 2000 DG_{2} 9 12.2 170°.99 0°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.77	+ 1 50.9	2.075	2.925	12.9	20.4
8 19	23 37.59	+ 0 51.3	2.000	2.926	9.7	20.2
8 29	23 31.76	− 0 23.7	1.949	2.927	6.0	20.0
9 8	23 24.85	− 1 49.3	1.924	2.928	2.1	19.7
9 18	23 17.58	− 3 19.2	1.928	2.929	2.2	19.7
9 28	23 10.79	− 4 45.9	1.961	2.930	6.1	20.0
10 8	23 5.22	− 6 3.0	2.021	2.930	9.8	20.2
10 18	23 1.43	− 7 5.6	2.104	2.930	12.9	20.4

348025 2003 TS_{6} 9 12.2 329°.86 6°.7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.76	−16 29.1	1.410	2.314	14.6	19.7
8 19	23 39.17	−17 48.1	1.346	2.300	11.1	19.4
8 29	23 33.09	−19 9.2	1.305	2.287	7.9	19.2
9 8	23 25.31	−20 21.8	1.287	2.274	6.7	19.1
9 18	23 16.93	−21 16.0	1.293	2.262	8.9	19.2
9 28	23 9.26	−21 44.3	1.322	2.251	12.5	19.4
10 8	23 3.46	−21 44.1	1.373	2.241	16.2	19.6
10 18	23 0.28	−21 16.5	1.441	2.231	19.5	19.8

433281 2013 AW_{130} 9 12.2 253°.42 0°.8/10.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.56	− 6 51.4	4.536	5.396	6.2	21.9
8 19	23 32.26	− 7 24.6	4.453	5.389	4.5	21.8
8 29	23 28.23	− 8 1.2	4.397	5.381	2.7	21.7
9 8	23 23.75	− 8 38.9	4.370	5.374	1.0	21.5
9 18	23 19.11	− 9 15.5	4.373	5.367	1.8	21.6
9 28	23 14.64	− 9 48.7	4.406	5.360	3.6	21.7
10 8	23 10.68	−10 16.5	4.468	5.352	5.4	21.8
10 18	23 7.50	−10 37.5	4.555	5.345	7.1	22.0

73241 2002 JC_{36} 9 12.2 210°.28 0°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.17	− 0 31.5	2.008	2.863	13.0	20.3
8 19	23 39.46	− 1 12.4	1.929	2.859	9.8	20.0
8 29	23 32.94	− 2 6.5	1.874	2.855	6.0	19.8
9 8	23 25.22	− 3 9.4	1.845	2.850	1.9	19.5
9 18	23 17.07	− 4 15.4	1.845	2.845	2.4	19.6
9 28	23 9.40	− 5 18.1	1.873	2.840	6.5	19.8
10 8	23 3.04	− 6 11.7	1.927	2.834	10.3	20.0
10 18	22 58.59	− 6 52.0	2.004	2.828	13.5	20.2

285555 2000 KV_{39} 9 12.2 231°.91 3°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.06	−13 0.6	2.035	2.917	11.7	20.4
8 19	23 39.36	−14 3.8	1.968	2.914	8.7	20.2
8 29	23 32.86	−15 10.1	1.926	2.910	5.6	20.0
9 8	23 25.19	−16 13.0	1.911	2.905	3.9	19.9
9 18	23 17.14	−17 5.9	1.923	2.901	5.6	20.0
9 28	23 9.63	−17 43.4	1.963	2.897	8.7	20.2
10 8	23 3.46	−18 2.7	2.026	2.892	11.8	20.4
10 18	22 59.21	−18 3.1	2.112	2.887	14.6	20.5

175341 2005 NK_{74} 9 12.2 108°.12 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.25	− 4 45.8	2.008	2.877	12.5	20.8
8 19	23 38.71	− 5 29.7	1.940	2.880	9.1	20.5
8 29	23 32.44	− 6 22.7	1.897	2.882	5.4	20.3
9 8	23 25.05	− 7 19.9	1.879	2.885	1.7	20.1
9 18	23 17.33	− 8 15.5	1.890	2.887	3.1	20.2
9 28	23 10.15	− 9 3.6	1.929	2.890	6.9	20.4
10 8	23 4.29	− 9 39.7	1.993	2.892	10.4	20.7
10 18	23 0.29	−10 1.4	2.081	2.894	13.4	20.9

167368 2003 WG_{58} 9 12.2 342°.31 1°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.32	+ 2 12.3	1.659	2.516	15.2	20.0
8 19	23 39.15	+ 1 54.7	1.585	2.513	11.6	19.8
8 29	23 32.89	+ 1 20.5	1.533	2.510	7.5	19.6
9 8	23 25.23	+ 0 33.0	1.506	2.508	3.1	19.3
9 18	23 17.07	− 0 22.2	1.505	2.505	2.6	19.3
9 28	23 9.51	− 1 18.2	1.530	2.503	6.9	19.5
10 8	23 3.49	− 2 7.9	1.580	2.502	11.1	19.8
10 18	22 59.69	− 2 46.2	1.653	2.500	14.8	20.0

512236 2015 VS_{107} 9 12.2 10°.07 2°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.49	−10 10.1	1.950	2.826	12.5	20.0
8 19	23 41.12	−10 24.8	1.885	2.827	9.2	19.8
8 29	23 33.90	−10 43.1	1.843	2.829	5.5	19.6
9 8	23 25.49	−11 0.2	1.828	2.831	2.5	19.4
9 18	23 16.77	−11 11.7	1.840	2.833	4.0	19.6
9 28	23 8.67	−11 13.9	1.880	2.835	7.6	19.8
10 8	23 2.03	−11 4.3	1.946	2.838	11.0	20.0
10 18	22 57.42	−10 42.2	2.033	2.841	14.0	20.2

60519 2000 EU_{25} 9 12.2 65°.65 0°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.95	− 3 22.9	1.405	2.282	16.4	18.5
8 19	23 42.58	− 3 53.5	1.359	2.301	12.0	18.3
8 29	23 34.89	− 4 36.5	1.334	2.320	7.2	18.1
9 8	23 25.79	− 5 25.8	1.334	2.339	2.0	17.8
9 18	23 16.44	− 6 14.1	1.359	2.359	3.3	18.0
9 28	23 8.09	− 6 54.2	1.411	2.378	8.2	18.3
10 8	23 1.72	− 7 21.1	1.486	2.398	12.4	18.6
10 18	22 57.91	− 7 32.2	1.583	2.417	16.0	18.9

195534 2002 JB_{40} 9 12.2 205°.69 4°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.79	+12 39.4	2.333	3.119	13.6	20.9
8 19	23 39.78	+12 29.3	2.241	3.113	11.1	20.7
8 29	23 33.10	+12 0.0	2.170	3.107	8.3	20.5
9 8	23 25.28	+11 12.3	2.125	3.100	5.6	20.3
9 18	23 17.02	+10 9.0	2.107	3.092	4.4	20.3
9 28	23 9.14	+ 8 55.2	2.118	3.084	5.9	20.3
10 8	23 2.41	+ 7 37.6	2.157	3.075	8.8	20.5
10 18	22 57.40	+ 6 22.5	2.221	3.065	11.6	20.7

451189 2009 SU_{336} 9 12.2 13°.35 4°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.71	+10 37.2	1.915	2.732	15.1	20.4
8 19	23 36.98	+10 35.1	1.841	2.734	12.2	20.2
8 29	23 31.48	+10 12.7	1.788	2.737	8.9	20.0
9 8	23 24.80	+ 9 31.1	1.758	2.741	5.8	19.9
9 18	23 17.73	+ 8 34.1	1.755	2.745	4.4	19.8
9 28	23 11.18	+ 7 27.5	1.778	2.750	6.3	19.9
10 8	23 5.94	+ 6 18.7	1.827	2.755	9.5	20.1
10 18	23 2.61	+ 5 14.3	1.901	2.761	12.6	20.3

69509 1997 ES_{4} 9 12.2 182°.51 0°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	− 4 16.5	2.151	3.009	12.2	20.5
8 19	23 41.15	− 4 43.6	2.077	3.010	9.0	20.3
8 29	23 33.89	− 5 19.1	2.027	3.010	5.4	20.1
9 8	23 25.51	− 5 59.1	2.005	3.010	1.6	19.8
9 18	23 16.77	− 6 38.7	2.011	3.009	2.7	19.9
9 28	23 8.54	− 7 13.0	2.046	3.008	6.5	20.1
10 8	23 1.61	− 7 38.2	2.107	3.006	9.9	20.4
10 18	22 56.55	− 7 51.7	2.193	3.004	12.9	20.6

306753 2000 YM_{25} 9 12.2 216°.09 1°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 36.18	+ 5 19.4	4.381	5.193	7.3	20.8
8 19	23 32.74	+ 5 7.3	4.294	5.192	5.7	20.7
8 29	23 28.54	+ 4 47.8	4.233	5.192	3.9	20.6
9 8	23 23.87	+ 4 22.0	4.199	5.191	2.1	20.4
9 18	23 19.04	+ 3 51.7	4.194	5.191	1.6	20.4
9 28	23 14.41	+ 3 19.1	4.220	5.190	3.1	20.5
10 8	23 10.30	+ 2 46.6	4.274	5.190	4.9	20.6
10 18	23 7.00	+ 2 16.3	4.356	5.189	6.6	20.8

77638 2001 KN_{56} 9 12.2 96°.16 6°.0/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.16	−18 18.8	1.827	2.714	12.6	19.1
8 19	23 41.01	−19 29.7	1.777	2.720	9.6	19.0
8 29	23 33.88	−20 38.5	1.751	2.725	6.9	18.8
9 8	23 25.51	−21 37.1	1.750	2.731	6.0	18.8
9 18	23 16.84	−22 18.7	1.776	2.737	7.7	18.9
9 28	23 8.91	−22 38.8	1.828	2.742	10.5	19.1
10 8	23 2.58	−22 36.3	1.902	2.748	13.4	19.3
10 18	22 58.43	−22 12.4	1.997	2.753	15.9	19.5

274774 2008 UB_{361} 9 12.2 21°.35 4°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.17	+11 20.6	1.267	2.114	19.6	19.4
8 19	23 35.74	+10 38.7	1.208	2.121	15.7	19.2
8 29	23 30.98	+ 9 24.3	1.168	2.130	11.1	19.0
9 8	23 24.69	+ 7 41.3	1.149	2.140	6.6	18.8
9 18	23 17.96	+ 5 38.7	1.154	2.151	4.5	18.7
9 28	23 12.03	+ 3 29.5	1.184	2.163	7.6	18.9
10 8	23 7.93	+ 1 27.4	1.238	2.176	12.0	19.2
10 18	23 6.32	− 0 17.3	1.314	2.190	16.1	19.5

482994 2014 PK_{7} 9 12.2 49°.71 6°.0/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.01	+15 13.5	2.287	3.058	14.3	21.2
8 19	23 39.98	+15 49.2	2.205	3.060	12.0	21.1
8 29	23 33.25	+16 6.6	2.144	3.062	9.4	20.9
9 8	23 25.36	+16 4.8	2.107	3.063	7.2	20.8
9 18	23 17.04	+15 44.7	2.097	3.065	6.0	20.7
9 28	23 9.13	+15 9.7	2.113	3.067	6.9	20.8
10 8	23 2.43	+14 25.1	2.156	3.069	9.1	20.9
10 18	22 57.51	+13 36.9	2.224	3.071	11.5	21.1

371476 2006 TE_{28} 9 12.2 316°.82 3°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.72	+ 6 45.1	1.335	2.192	18.2	20.6
8 19	23 38.52	+ 6 21.6	1.257	2.181	14.4	20.3
8 29	23 32.81	+ 5 31.5	1.199	2.170	9.8	20.0
9 8	23 25.31	+ 4 17.8	1.163	2.160	5.1	19.7
9 18	23 17.08	+ 2 47.0	1.151	2.151	3.7	19.6
9 28	23 9.47	+ 1 9.8	1.164	2.141	8.0	19.8
10 8	23 3.68	− 0 22.2	1.200	2.133	12.9	20.1
10 18	23 0.54	− 1 39.6	1.258	2.124	17.3	20.3

126686 2002 CC_{222} 9 12.2 20°.90 1°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.90	− 4 15.3	1.846	2.720	13.2	19.9
8 19	23 37.85	− 4 59.6	1.782	2.723	9.7	19.7
8 29	23 32.00	− 5 54.3	1.741	2.727	5.7	19.4
9 8	23 24.98	− 6 53.9	1.725	2.731	1.7	19.2
9 18	23 17.62	− 7 52.1	1.737	2.735	3.2	19.3
9 28	23 10.83	− 8 42.7	1.776	2.740	7.2	19.6
10 8	23 5.44	− 9 20.6	1.841	2.744	10.9	19.8
10 18	23 1.99	− 9 43.2	1.927	2.750	14.0	20.0

179863 2002 TF_{272} 9 12.2 17°.30 2°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.76	+ 0 44.7	1.133	2.015	19.1	18.8
8 19	23 41.62	+ 0 55.6	1.078	2.019	14.5	18.5
8 29	23 34.66	+ 0 47.8	1.042	2.024	9.3	18.2
9 8	23 25.83	+ 0 24.7	1.027	2.030	3.8	18.0
9 18	23 16.47	− 0 7.6	1.036	2.038	3.3	17.9
9 28	23 8.11	− 0 41.2	1.069	2.046	8.6	18.3
10 8	23 2.00	− 1 8.3	1.123	2.055	13.6	18.6
10 18	22 58.89	− 1 23.7	1.197	2.065	17.9	18.9

127446 2002 PD_{102} 9 12.2 144°.17 1°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.38	− 2 6.2	2.027	2.890	12.6	20.2
8 19	23 38.08	− 3 25.6	1.959	2.895	9.3	20.0
8 29	23 32.08	− 4 57.9	1.916	2.901	5.5	19.8
9 8	23 25.00	− 6 36.6	1.901	2.906	1.6	19.5
9 18	23 17.59	− 8 14.4	1.914	2.911	3.1	19.6
9 28	23 10.70	− 9 43.5	1.956	2.915	6.9	19.9
10 8	23 5.08	−10 58.0	2.024	2.920	10.5	20.1
10 18	23 1.28	−11 54.2	2.116	2.923	13.5	20.3

17 Thetis 9 12.2 70°.53 2°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.42	− 6 56.8	1.472	2.358	15.2	11.3
8 19	23 40.72	− 8 4.0	1.425	2.373	11.1	11.1
8 29	23 33.81	− 9 20.7	1.399	2.387	6.5	10.9
9 8	23 25.53	−10 38.7	1.399	2.402	2.8	10.7
9 18	23 16.95	−11 48.9	1.424	2.417	4.9	10.9
9 28	23 9.25	−12 43.7	1.476	2.431	9.1	11.1
10 8	23 3.38	−13 18.6	1.551	2.446	13.1	11.4
10 18	22 59.92	−13 32.3	1.647	2.461	16.4	11.7

98954 2001 CJ_{32} 9 12.2 102.°62 5.°0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.90	−17 36.9	2.036	2.912	12.0	19.3
8 19	23 43.42	−18 28.1	1.996	2.934	9.0	19.1
8 29	23 35.16	−19 16.6	1.980	2.955	6.2	19.0
9 8	23 25.89	−19 55.9	1.990	2.975	5.0	19.0
9 18	23 16.49	−20 21.0	2.029	2.995	6.4	19.1
9 28	23 7.90	−20 28.5	2.095	3.015	9.1	19.3
10 8	23 0.90	−20 17.9	2.186	3.034	11.8	19.5
10 18	22 55.97	−19 50.6	2.298	3.052	14.1	19.7

350274 2012 TT_{215} 9 12.2 2.°45 7.°7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.87	−18 36.1	1.240	2.149	15.8	19.0
8 19	23 40.11	−19 46.5	1.193	2.147	12.1	18.8
8 29	23 33.68	−20 54.1	1.167	2.147	8.8	18.6
9 8	23 25.53	−21 47.9	1.163	2.147	7.8	18.5
9 18	23 16.94	−22 18.6	1.182	2.149	9.8	18.7
9 28	23 9.35	−22 20.6	1.223	2.152	13.3	18.9
10 8	23 3.90	−21 53.6	1.285	2.156	16.9	19.1
10 18	23 1.26	−21 0.7	1.364	2.161	20.0	19.3

437300 2013 BR_{71} 9 12.2 260.°24 1.°0/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.48	− 7 51.3	4.547	5.409	6.2	21.4
8 19	23 32.24	− 8 29.5	4.463	5.400	4.5	21.3
8 29	23 28.26	− 9 10.7	4.405	5.390	2.6	21.2
9 8	23 23.82	− 9 52.8	4.377	5.380	1.1	21.0
9 18	23 19.22	−10 33.2	4.379	5.371	1.9	21.1
9 28	23 14.79	−11 9.7	4.411	5.361	3.8	21.2
10 8	23 10.86	−11 40.3	4.472	5.351	5.6	21.3
10 18	23 7.69	−12 3.5	4.558	5.341	7.1	21.5

91625 1999 TS_{53} 9 12.2 97.°65 0.°5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.47	− 0 34.0	2.234	3.085	12.0	19.7
8 19	23 38.72	− 0 55.5	2.165	3.092	9.0	19.5
8 29	23 32.40	− 1 27.4	2.120	3.099	5.6	19.3
9 8	23 25.09	− 2 6.5	2.101	3.105	1.9	19.1
9 18	23 17.50	− 2 48.6	2.111	3.112	2.0	19.1
9 28	23 10.40	− 3 28.8	2.150	3.119	5.7	19.4
10 8	23 4.50	− 4 2.8	2.215	3.125	9.0	19.6
10 18	23 0.29	− 4 27.5	2.304	3.131	11.9	19.8

37710 1996 RD_{12} 9 12.2 275.°52 0.°6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.21	− 6 18.5	4.387	5.243	6.5	19.7
8 19	23 33.49	− 6 36.2	4.304	5.237	4.7	19.6
8 29	23 29.01	− 6 57.2	4.248	5.231	2.8	19.4
9 8	23 24.05	− 7 19.4	4.220	5.225	0.9	19.3
9 18	23 18.92	− 7 40.9	4.222	5.219	1.6	19.3
9 28	23 14.00	− 7 59.7	4.255	5.213	3.6	19.5
10 8	23 9.61	− 8 13.9	4.316	5.207	5.5	19.6
10 18	23 6.04	− 8 22.3	4.403	5.201	7.1	19.7

97683 2000 GV_{12} 9 12.2 61.°09 0.°6/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.37	− 2 21.2	1.367	2.245	16.6	19.9
8 19	23 41.49	− 3 4.7	1.322	2.264	12.3	19.7
8 29	23 34.28	− 4 2.6	1.298	2.284	7.3	19.5
9 8	23 25.67	− 5 7.8	1.298	2.304	2.1	19.2
9 18	23 16.80	− 6 12.1	1.324	2.323	3.3	19.4
9 28	23 8.91	− 7 7.3	1.375	2.344	8.3	19.7
10 8	23 3.00	− 7 47.4	1.451	2.364	12.6	20.0
10 18	22 59.61	− 8 9.5	1.547	2.384	16.2	20.3

167228 2003 UF_{53} 9 12.2 74.°29 3.°6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.23	+ 6 19.7	1.763	2.594	15.6	19.8
8 19	23 41.88	+ 6 35.2	1.696	2.603	12.3	19.6
8 29	23 34.48	+ 6 33.3	1.651	2.613	8.5	19.4
9 8	23 25.75	+ 6 15.5	1.631	2.623	4.9	19.2
9 18	23 16.64	+ 5 44.9	1.637	2.632	3.8	19.1
9 28	23 8.18	+ 5 7.0	1.670	2.642	6.7	19.3
10 8	23 1.32	+ 4 28.2	1.729	2.652	10.3	19.6
10 18	22 56.67	+ 3 53.9	1.812	2.661	13.6	19.8

381786 2009 TP_{20} 9 12.2 358.°19 3.°1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.53	− 7 59.0	1.028	1.940	18.0	20.0
8 19	23 38.75	− 8 36.5	0.974	1.935	13.3	19.8
8 29	23 33.06	− 9 25.3	0.939	1.932	8.0	19.5
9 8	23 25.40	−10 16.5	0.925	1.930	3.4	19.2
9 18	23 17.12	−11 0.2	0.934	1.930	5.8	19.3
9 28	23 9.83	−11 27.3	0.964	1.931	11.1	19.6
10 8	23 4.84	−11 32.5	1.015	1.934	16.1	19.9
10 18	23 2.91	−11 14.7	1.083	1.938	20.3	20.2

52570 1997 JC_1 9 12.2 130.°20 8.°0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.27	−23 31.3	1.695	2.575	13.8	18.9
8 19	23 45.65	−24 43.2	1.653	2.586	10.9	18.7
8 29	23 36.72	−25 47.2	1.635	2.596	8.6	18.6
9 8	23 26.40	−26 34.0	1.641	2.605	8.1	18.6
9 18	23 15.84	−26 57.1	1.673	2.614	9.7	18.7
9 28	23 6.28	−26 53.3	1.730	2.623	12.2	18.9
10 8	22 58.71	−26 23.6	1.809	2.631	15.0	19.1
10 18	22 53.70	−25 31.6	1.907	2.639	17.3	19.3

390354 2013 CS_{178} 9 12.2 295.°33 1.°0/10.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 37.54	− 8 29.1	4.200	5.062	6.6	20.5
8 19	23 33.78	− 8 49.3	4.117	5.053	4.8	20.4
8 29	23 29.21	− 9 12.0	4.060	5.044	2.9	20.3
9 8	23 24.13	− 9 35.1	4.032	5.035	1.2	20.1
9 18	23 18.86	− 9 56.5	4.033	5.026	2.0	20.2
9 28	23 13.81	−10 13.9	4.065	5.017	4.0	20.3
10 8	23 9.32	−10 25.7	4.125	5.008	5.9	20.4
10 18	23 5.70	−10 30.7	4.210	4.999	7.6	20.6

266006 2006 DU_{201} 9 12.2 141.°17 4.°4/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.64	−16 40.0	2.413	3.295	10.2	20.3
8 19	23 38.06	−17 45.7	2.356	3.297	7.6	20.1
8 29	23 31.99	−18 51.0	2.324	3.300	5.3	20.0
9 8	23 24.98	−19 50.1	2.319	3.303	4.5	19.9
9 18	23 17.71	−20 37.6	2.342	3.305	5.9	20.0
9 28	23 10.93	−21 9.5	2.392	3.308	8.3	20.2
10 8	23 5.28	−21 23.9	2.467	3.310	10.8	20.3
10 18	23 1.27	−21 20.8	2.564	3.312	13.0	20.5

494467 2016 WM_5 9 12.2 299.°21 1.°3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.71	+ 2 9.8	1.856	2.709	14.1	21.3
8 19	23 38.57	+ 1 42.4	1.777	2.703	10.7	21.1
8 29	23 32.52	+ 0 59.2	1.721	2.697	6.9	20.8
9 8	23 25.20	+ 0 3.8	1.689	2.691	2.8	20.6
9 18	23 17.41	− 0 58.5	1.685	2.686	2.4	20.5
9 28	23 10.11	− 2 0.9	1.708	2.680	6.5	20.8
10 8	23 4.18	− 2 56.9	1.757	2.675	10.4	21.0
10 18	23 0.25	− 3 41.4	1.829	2.669	13.9	21.2

367723 2010 TC_{188} 9 12.2 32.°92 6.°1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.11	+10 42.4	1.148	1.996	21.1	20.0
8 19	23 40.42	+10 56.4	1.092	2.004	17.1	19.8
8 29	23 33.96	+10 39.9	1.054	2.013	12.5	19.6
9 8	23 25.67	+ 9 53.8	1.036	2.023	8.0	19.4
9 18	23 16.83	+ 8 43.6	1.041	2.034	6.1	19.3
9 28	23 8.95	+ 7 19.7	1.069	2.045	8.8	19.5
10 8	23 3.27	+ 5 54.5	1.119	2.057	13.1	19.8
10 18	23 0.54	+ 4 38.6	1.190	2.069	17.2	20.1

78120 2002 NN_1 9 12.2 14.°88 1.°3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.10	+ 1 15.1	1.631	2.492	15.3	19.8
8 19	23 39.74	+ 1 0.3	1.563	2.493	11.6	19.6
8 29	23 33.28	+ 0 29.8	1.517	2.495	7.4	19.3
9 8	23 25.43	− 0 12.6	1.495	2.497	2.9	19.1
9 18	23 17.14	− 1 1.5	1.499	2.500	2.6	19.0
9 28	23 9.49	− 1 50.2	1.529	2.503	7.0	19.3
10 8	23 3.44	− 2 32.1	1.585	2.506	11.2	19.6
10 18	22 59.63	− 3 2.7	1.663	2.509	14.8	19.8

346521 2008 UP_{181} 9 12.2 209.°98 6.°1/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.34	−19 31.9	1.858	2.739	12.7	21.3
8 19	23 43.44	−20 26.8	1.798	2.737	9.8	21.1
8 29	23 35.43	−21 18.7	1.762	2.734	7.1	20.9
9 8	23 26.06	−21 59.7	1.752	2.732	6.2	20.9
9 18	23 16.32	−22 23.6	1.769	2.729	7.7	21.0
9 28	23 7.31	−22 26.3	1.811	2.725	10.6	21.1
10 8	22 59.97	−22 7.1	1.877	2.722	13.6	21.3
10 18	22 54.91	−21 27.7	1.963	2.718	16.2	21.5

445011 2008 HS_{20} 9 12.2 26.°50 4.°4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.16	−15 28.9	1.963	2.846	12.1	21.2
8 19	23 40.91	−16 7.4	1.905	2.849	9.0	21.0
8 29	23 33.81	−16 45.6	1.871	2.852	6.0	20.8
9 8	23 25.56	−17 17.5	1.863	2.855	4.4	20.7
9 18	23 17.02	−17 37.9	1.883	2.859	5.9	20.8
9 28	23 9.15	−17 42.8	1.929	2.863	8.9	21.0
10 8	23 2.75	−17 30.8	1.999	2.867	11.9	21.2
10 18	22 58.38	−17 2.4	2.091	2.871	14.5	21.4

59955 1999 RX_{226} 9 12.2 227.°32 4.°4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.56	+11 31.4	2.349	3.143	13.3	19.4
8 19	23 38.88	+11 41.5	2.262	3.139	10.9	19.2
8 29	23 32.59	+11 34.7	2.197	3.136	8.1	19.1
9 8	23 25.22	+11 11.4	2.156	3.132	5.6	18.9
9 18	23 17.43	+10 33.6	2.143	3.128	4.4	18.8
9 28	23 10.02	+ 9 45.5	2.158	3.124	5.9	18.9
10 8	23 3.73	+ 8 52.6	2.200	3.120	8.6	19.1
10 18	22 59.12	+ 8 0.4	2.267	3.115	11.3	19.2

137710 1999 XH_{93} 9 12.2 283.°98 3.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.63	− 9 39.8	1.511	2.401	14.7	19.1
8 19	23 41.34	−10 47.9	1.428	2.378	10.9	18.8
8 29	23 34.54	−12 6.5	1.367	2.354	6.8	18.5
9 8	23 25.90	−13 27.2	1.331	2.331	3.9	18.3
9 18	23 16.45	−14 40.3	1.320	2.307	6.2	18.4
9 28	23 7.48	−15 36.5	1.335	2.283	10.6	18.6
10 8	23 0.23	−16 9.9	1.373	2.260	15.0	18.8
10 18	22 55.58	−16 18.4	1.430	2.236	18.9	19.0

445443 2010 UH_{72} 9 12.2 350°.89 1°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.01	+ 4 17.1	1.921	2.768	13.9	20.5
8 19	23 36.49	+ 3 33.8	1.845	2.766	10.6	20.3
8 29	23 31.23	+ 2 32.7	1.790	2.764	6.9	20.1
9 8	23 24.82	+ 1 17.6	1.762	2.762	3.0	19.8
9 18	23 18.01	− 0 5.4	1.760	2.761	2.3	19.8
9 28	23 11.68	− 1 29.0	1.786	2.760	6.1	20.0
10 8	23 6.63	− 2 45.7	1.839	2.759	9.9	20.3
10 18	23 3.42	− 3 50.0	1.915	2.759	13.2	20.5

142495 2002 TP_{30} 9 12.2 324°.64 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.42	+ 0 52.7	1.185	2.070	18.2	19.4
8 19	23 38.66	+ 0 38.0	1.106	2.049	14.0	19.1
8 29	23 33.12	+ 0 2.0	1.045	2.029	8.9	18.7
9 8	23 25.51	− 0 51.6	1.006	2.010	3.4	18.4
9 18	23 16.98	− 1 55.7	0.990	1.992	3.2	18.3
9 28	23 9.03	− 3 0.2	0.997	1.975	9.1	18.6
10 8	23 3.06	− 3 54.8	1.026	1.958	14.6	18.8
10 18	23 0.05	− 4 32.2	1.074	1.944	19.4	19.1

431688 2008 DC_{35} 9 12.2 249°.40 0°.8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.44	+ 1 0.3	1.702	2.557	15.0	22.0
8 19	23 41.63	+ 0 27.9	1.614	2.542	11.4	21.8
8 29	23 34.56	− 0 21.5	1.548	2.526	7.2	21.5
9 8	23 25.88	− 1 24.0	1.507	2.510	2.6	21.2
9 18	23 16.52	− 2 33.4	1.493	2.494	2.6	21.1
9 28	23 7.61	− 3 41.9	1.506	2.477	7.4	21.4
10 8	23 0.24	− 4 41.8	1.545	2.459	11.9	21.6
10 18	22 55.18	− 5 27.7	1.606	2.441	15.8	21.8

262175 2006 SA_{120} 9 12.2 323°.13 3°.7/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.67	− 8 17.8	1.189	2.092	16.8	20.0
8 19	23 39.52	− 9 19.3	1.120	2.077	12.4	19.7
8 29	23 33.57	−10 33.7	1.071	2.062	7.6	19.4
9 8	23 25.62	−11 51.5	1.044	2.047	3.8	19.1
9 18	23 16.89	−13 1.8	1.041	2.033	6.3	19.2
9 28	23 8.87	−13 53.8	1.062	2.020	11.4	19.5
10 8	23 2.92	−14 21.0	1.103	2.008	16.3	19.7
10 18	22 59.92	−14 21.4	1.162	1.997	20.5	19.9

33295 1998 KV_{40} 9 12.2 274°.63 5°.7/ 5.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.94	−19 3.3	2.124	3.009	11.2	18.5
8 19	23 39.28	−20 13.6	2.063	3.004	8.6	18.3
8 29	23 32.87	−21 22.1	2.026	2.998	6.4	18.2
9 8	23 25.31	−22 21.8	2.016	2.993	5.7	18.2
9 18	23 17.39	−23 6.5	2.032	2.987	7.3	18.2
9 28	23 10.01	−23 31.7	2.075	2.982	9.8	18.4
10 8	23 3.96	−23 35.9	2.141	2.977	12.5	18.6
10 18	22 59.79	−23 19.6	2.228	2.971	14.8	18.7

359358 2009 TN_{46} 9 12.2 289°.43 1°.7/ 8.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.98	−11 34.2	4.291	5.159	6.4	21.8
8 19	23 33.41	−12 5.3	4.202	5.141	4.7	21.7
8 29	23 29.02	−12 37.9	4.140	5.123	2.9	21.5
9 8	23 24.11	−13 9.8	4.107	5.105	1.7	21.4
9 18	23 19.01	−13 38.6	4.104	5.088	2.6	21.5
9 28	23 14.09	−14 1.8	4.130	5.070	4.4	21.6
10 8	23 9.71	−14 17.9	4.184	5.052	6.2	21.7
10 18	23 6.17	−14 25.8	4.263	5.034	7.8	21.8

434742 2006 GB_{42} 9 12.2 75°.36 0°.4/11.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.85	+ 0 21.0	1.785	2.643	14.3	21.4
8 19	23 39.86	− 1 6.4	1.744	2.676	10.5	21.2
8 29	23 33.11	− 2 47.9	1.726	2.708	6.2	21.0
9 8	23 25.35	− 4 36.1	1.734	2.740	1.8	20.8
9 18	23 17.45	− 6 22.1	1.772	2.771	2.8	20.9
9 28	23 10.34	− 7 57.8	1.838	2.802	6.9	21.3
10 8	23 4.76	− 9 16.8	1.931	2.833	10.6	21.6
10 18	23 1.19	−10 16.0	2.047	2.863	13.6	21.8

86746 2000 GW_{57} 9 12.2 110°.73 0°.8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.37	+ 0 41.6	1.736	2.589	14.8	20.8
8 19	23 41.93	+ 0 10.2	1.677	2.605	11.1	20.6
8 29	23 34.49	− 0 35.7	1.641	2.620	6.9	20.4
9 8	23 25.80	− 1 31.7	1.631	2.634	2.4	20.1
9 18	23 16.81	− 2 31.5	1.648	2.649	2.5	20.2
9 28	23 8.56	− 3 28.4	1.693	2.662	6.8	20.5
10 8	23 1.94	− 4 16.2	1.763	2.676	10.7	20.7
10 18	22 57.51	− 4 51.0	1.857	2.689	14.1	21.0

365946 2012 AH_{19} 9 12.3 100°.25 1°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.12	− 6 16.1	2.269	3.140	11.1	20.5
8 19	23 37.03	− 7 18.2	2.202	3.143	8.1	20.3
8 29	23 31.43	− 8 28.0	2.160	3.147	4.8	20.1
9 8	23 24.88	− 9 40.1	2.146	3.150	1.9	19.9
9 18	23 18.03	−10 48.7	2.160	3.153	3.4	20.0
9 28	23 11.64	−11 48.3	2.202	3.156	6.7	20.2
10 8	23 6.37	−12 34.5	2.271	3.159	9.8	20.4
10 18	23 2.72	−13 5.2	2.363	3.162	12.5	20.6

444181 2005 QY_{121} 9 12.3 344°.31 1°.8/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.48	− 0 46.2	1.497	2.365	16.0	20.7
8 19	23 41.84	− 0 12.9	1.419	2.353	12.3	20.5
8 29	23 34.76	+ 0 8.9	1.363	2.342	7.9	20.2
9 8	23 25.98	+ 0 21.0	1.330	2.333	3.3	19.9
9 18	23 16.53	+ 0 26.0	1.323	2.324	3.0	19.8
9 28	23 7.68	+ 0 28.1	1.342	2.316	7.6	20.1
10 8	23 0.60	+ 0 32.1	1.385	2.310	12.1	20.4
10 18	22 56.07	+ 0 41.6	1.449	2.305	16.0	20.6

492372 2014 HD_{92} 9 12.3 317°.52 2°.3/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.80	− 7 6.9	1.758	2.640	13.3	21.3
8 19	23 38.73	− 8 3.0	1.688	2.634	9.8	21.1
8 29	23 32.67	− 9 8.3	1.641	2.628	5.8	20.8
9 8	23 25.30	−10 16.4	1.619	2.622	2.5	20.6
9 18	23 17.47	−11 20.0	1.624	2.617	4.3	20.7
9 28	23 10.19	−12 12.1	1.656	2.612	8.3	21.0
10 8	23 4.38	−12 47.8	1.712	2.607	12.1	21.2
10 18	23 0.67	−13 4.8	1.790	2.602	15.4	21.4

15265 Ernsting 9 12.3 276°.79 7°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.86	−20 41.6	1.641	2.529	13.8	18.5
8 19	23 43.63	−21 59.2	1.568	2.508	10.8	18.3
8 29	23 35.87	−23 15.0	1.517	2.487	8.3	18.1
9 8	23 26.32	−24 18.7	1.492	2.466	7.7	18.0
9 18	23 16.06	−25 1.4	1.491	2.444	9.6	18.0
9 28	23 6.42	−25 16.7	1.515	2.422	12.8	18.2
10 8	22 58.58	−25 3.2	1.561	2.399	16.1	18.3
10 18	22 53.36	−24 22.9	1.625	2.377	19.1	18.5

472675 2015 EF_{24} 9 12.3 157°.52 1°.2/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.97	− 4 8.1	1.806	2.672	13.8	22.4
8 19	23 41.67	− 4 58.7	1.741	2.678	10.1	22.2
8 29	23 34.38	− 6 0.3	1.699	2.683	6.0	22.0
9 8	23 25.80	− 7 7.1	1.683	2.688	1.9	21.7
9 18	23 16.84	− 8 12.0	1.695	2.692	3.3	21.8
9 28	23 8.52	− 9 8.2	1.735	2.696	7.5	22.1
10 8	23 1.75	− 9 50.7	1.801	2.699	11.4	22.3
10 18	22 57.13	−10 16.6	1.889	2.702	14.7	22.6

412901 2014 QV_{97} 9 12.3 179°.82 0°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.60	+ 0 21.4	2.574	3.421	10.8	21.2
8 19	23 36.51	− 0 28.7	2.496	3.421	8.1	21.0
8 29	23 31.08	− 1 30.0	2.443	3.422	4.9	20.8
9 8	23 24.78	− 2 38.7	2.417	3.422	1.6	20.6
9 18	23 18.20	− 3 50.1	2.421	3.422	1.9	20.6
9 28	23 11.98	− 4 58.8	2.454	3.421	5.2	20.9
10 8	23 6.74	− 6 0.2	2.515	3.421	8.3	21.0
10 18	23 2.92	− 6 50.6	2.601	3.420	10.9	21.2

73865 1997 AW 9 12.3 110°.66 0°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.69	− 1 52.5	1.976	2.825	13.5	20.3
8 19	23 44.03	− 2 32.7	1.927	2.854	9.9	20.1
8 29	23 35.59	− 3 23.5	1.902	2.882	6.0	20.0
9 8	23 26.12	− 4 19.8	1.904	2.909	1.7	19.7
9 18	23 16.50	− 5 15.9	1.936	2.935	2.5	19.8
9 28	23 7.67	− 6 6.1	1.997	2.961	6.5	20.2
10 8	23 0.42	− 6 45.9	2.085	2.985	10.0	20.4
10 18	22 55.22	− 7 12.8	2.197	3.008	12.9	20.7

484890 2009 QR_{56} 9 12.3 336°.83 0°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.30	− 5 6.7	1.877	2.747	13.2	20.3
8 19	23 40.48	− 5 10.4	1.801	2.739	9.8	20.1
8 29	23 33.70	− 5 21.9	1.747	2.731	5.9	19.9
9 8	23 25.62	− 5 37.5	1.719	2.724	1.7	19.6
9 18	23 17.08	− 5 53.1	1.718	2.717	2.8	19.6
9 28	23 9.07	− 6 4.2	1.744	2.711	7.0	19.9
10 8	23 2.48	− 6 7.1	1.796	2.705	10.8	20.1
10 18	22 57.94	− 5 59.7	1.870	2.700	14.1	20.3

305164 2007 VY_{238} 9 12.3 60°.70 2°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.41	+ 5 51.9	1.903	2.738	14.5	20.7
8 19	23 39.03	+ 5 36.8	1.828	2.740	11.3	20.5
8 29	23 32.80	+ 5 4.2	1.775	2.741	7.7	20.3
9 8	23 25.34	+ 4 16.5	1.747	2.742	4.0	20.1
9 18	23 17.47	+ 3 18.3	1.745	2.744	3.0	20.0
9 28	23 10.13	+ 2 15.9	1.772	2.745	6.2	20.2
10 8	23 4.15	+ 1 15.9	1.824	2.747	9.8	20.4
10 18	23 0.14	+ 0 24.1	1.900	2.748	13.1	20.7

358331 2006 VF_{65} 9 12.3 237°.88 6°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.47	−23 35.6	2.252	3.128	11.0	21.4
8 19	23 41.12	−24 42.4	2.191	3.121	8.8	21.3
8 29	23 33.99	−25 44.0	2.154	3.113	7.1	21.2
9 8	23 25.69	−26 33.4	2.145	3.105	6.8	21.1
9 18	23 17.03	−27 5.0	2.161	3.096	8.2	21.2
9 28	23 8.93	−27 15.3	2.204	3.088	10.4	21.3
10 8	23 2.19	−27 3.5	2.269	3.079	12.7	21.5
10 18	22 57.36	−26 31.2	2.355	3.070	14.8	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
154887 2004 RN_{163}			9 12.3 348°.80	14°.2/25.6 18		
	h m	° ′			°	m
8 9	23 42.18	−37 40.7	1.505	2.382	15.5	18.2
8 19	23 39.01	−39 49.8	1.474	2.371	14.4	18.1
8 29	23 33.14	−41 37.5	1.463	2.362	14.2	18.1
9 8	23 25.49	−42 52.0	1.472	2.353	15.1	18.1
9 18	23 17.33	−43 25.8	1.500	2.346	16.6	18.2
9 28	23 10.13	−43 16.5	1.547	2.340	18.5	18.3
10 8	23 5.06	−42 27.2	1.608	2.336	20.3	18.5
10 18	23 2.80	−41 4.2	1.682	2.332	22.0	18.6
403764 2011 CH_5			9 12.3 304°.28	2°.8/ 8.9 18		
8 9	23 40.76	− 9 0.0	2.079	2.961	11.6	20.3
8 19	23 37.06	−10 6.1	1.995	2.941	8.5	20.0
8 29	23 31.64	−11 20.1	1.934	2.921	5.2	19.8
9 8	23 25.02	−12 35.8	1.901	2.901	2.9	19.6
9 18	23 17.91	−13 46.5	1.895	2.882	4.6	19.7
9 28	23 11.17	−14 45.5	1.916	2.863	8.1	19.9
10 8	23 5.60	−15 28.2	1.963	2.844	11.5	20.0
10 18	23 1.83	−15 52.2	2.031	2.825	14.4	20.2
144924 2005 CX_{48}			9 12.3 69°.97	2°.5/14.1 18		
8 9	23 53.24	+ 2 3.6	1.776	2.613	15.3	18.9
8 19	23 46.13	+ 2 34.9	1.723	2.637	11.7	18.7
8 29	23 36.96	+ 2 53.1	1.692	2.662	7.7	18.5
9 8	23 26.56	+ 2 59.8	1.688	2.686	3.7	18.3
9 18	23 15.96	+ 2 57.6	1.712	2.710	3.0	18.3
9 28	23 6.23	+ 2 50.6	1.764	2.734	6.5	18.6
10 8	22 58.28	+ 2 43.3	1.842	2.758	10.2	18.9
10 18	22 52.67	+ 2 39.5	1.945	2.782	13.3	19.1
7333 Bec–Borsenberger			9 12.3 353°.11	7°.2/17.3 18		R
8 9	23 43.59	+10 47.0	1.279	2.119	19.8	15.9
8 19	23 40.07	+11 43.7	1.209	2.113	16.4	15.6
8 29	23 33.87	+12 15.9	1.156	2.107	12.5	15.4
9 8	23 25.76	+12 21.6	1.124	2.103	8.8	15.2
9 18	23 16.89	+12 1.7	1.114	2.100	7.3	15.1
9 28	23 8.69	+11 21.9	1.128	2.098	9.3	15.2
10 8	23 2.46	+10 31.3	1.163	2.098	13.0	15.4
10 18	22 59.07	+ 9 39.8	1.220	2.099	16.9	15.6
238114 2003 MX			9 12.3 88°.54	1°.8/ 9.4 18		
8 9	23 39.12	− 8 44.2	3.121	3.989	8.5	20.6
8 19	23 35.15	− 9 38.0	3.063	4.003	6.1	20.4
8 29	23 30.14	−10 35.4	3.032	4.017	3.7	20.3
9 8	23 24.49	−11 32.6	3.029	4.031	1.8	20.2
9 18	23 18.67	−12 25.6	3.056	4.044	3.0	20.3
9 28	23 13.21	−13 11.0	3.113	4.058	5.4	20.4
10 8	23 8.55	−13 46.2	3.196	4.072	7.7	20.6
10 18	23 5.07	−14 9.7	3.304	4.085	9.7	20.8
395891 2013 AV_{43}			9 12.3 243°.53	2°.6/ 9.6 18		
8 9	23 44.85	− 9 32.1	2.036	2.912	12.0	20.9
8 19	23 40.01	−10 17.2	1.964	2.907	8.8	20.7
8 29	23 33.36	−11 7.8	1.916	2.901	5.4	20.5
9 8	23 25.53	−11 58.3	1.894	2.896	2.7	20.3
9 18	23 17.30	−12 43.0	1.901	2.890	4.3	20.4
9 28	23 9.58	−13 16.5	1.935	2.885	7.8	20.6
10 8	23 3.19	−13 35.4	1.995	2.879	11.1	20.8
10 18	22 58.71	−13 38.3	2.077	2.873	14.1	21.0
124071 2001 FW_{192}			9 12.3 76°.52	3°.3/ 8.2 18		
8 9	23 41.76	−11 37.3	2.232	3.113	10.9	19.4
8 19	23 37.53	−12 45.5	2.174	3.119	8.0	19.2
8 29	23 31.76	−13 57.2	2.141	3.125	5.0	19.0
9 8	23 25.02	−15 6.4	2.134	3.131	3.3	19.0
9 18	23 18.01	−16 7.0	2.156	3.136	4.9	19.1
9 28	23 11.50	−16 54.1	2.206	3.142	7.8	19.3
10 8	23 6.17	−17 24.6	2.281	3.148	10.6	19.5
10 18	23 2.51	−17 37.6	2.378	3.154	13.1	19.6
300814 2007 WG_{24}			9 12.3 313°.21	1°.0/13.3 18		
8 9	23 42.03	+ 1 40.2	1.699	2.559	14.8	20.8
8 19	23 38.30	+ 1 7.8	1.618	2.548	11.3	20.6
8 29	23 32.52	+ 0 18.2	1.559	2.538	7.1	20.3
9 8	23 25.33	− 0 44.6	1.524	2.528	2.7	20.0
9 18	23 17.59	− 1 54.6	1.516	2.518	2.5	20.0
9 28	23 10.34	− 3 3.9	1.535	2.508	7.0	20.2
10 8	23 4.55	− 4 5.2	1.579	2.499	11.3	20.5
10 18	23 0.90	− 4 52.7	1.645	2.490	15.0	20.7
320297 2007 RU_{248}			9 12.3 340°.15	2°.6/10.8 18		
8 9	23 45.99	− 7 58.2	1.016	1.922	18.7	20.2
8 19	23 42.33	− 8 14.5	0.954	1.912	13.9	19.9
8 29	23 35.45	− 8 41.2	0.911	1.902	8.4	19.6
9 8	23 26.30	− 9 10.8	0.888	1.893	3.2	19.2
9 18	23 16.32	− 9 34.6	0.888	1.886	5.4	19.4
9 28	23 7.29	− 9 44.3	0.910	1.880	11.2	19.7
10 8	23 0.74	− 9 35.1	0.952	1.874	16.6	19.9
10 18	22 57.58	− 9 5.7	1.012	1.870	21.2	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
144978 2005 EY_{131}			9 12.3 263°.97	2°.1/11.5 17		
	h m	° ′			°	m
8 9	0 2.66	−10 16.8	1.163	2.041	19.0	19.2
8 19	23 54.72	− 9 44.6	1.089	2.031	14.3	18.9
8 29	23 43.03	− 9 13.7	1.036	2.021	8.8	18.6
9 8	23 28.62	− 8 39.1	1.006	2.010	3.1	18.2
9 18	23 13.20	− 7 56.8	1.001	1.999	4.8	18.3
9 28	22 58.85	− 7 4.3	1.023	1.989	10.8	18.6
10 8	22 47.35	− 6 1.4	1.069	1.978	16.4	18.9
10 18	22 39.74	− 4 49.1	1.133	1.967	21.1	19.2
41350 2000 AJ_{25}			9 12.3 320°.71	2°.1/16.3 18		
8 9	23 37.12	+ 8 0.4	4.122	4.920	8.0	19.1
8 19	23 33.55	+ 7 58.1	4.030	4.915	6.3	19.0
8 29	23 29.16	+ 7 47.0	3.963	4.911	4.5	18.8
9 8	23 24.24	+ 7 28.3	3.922	4.906	2.8	18.7
9 18	23 19.12	+ 7 3.2	3.911	4.902	2.2	18.7
9 28	23 14.20	+ 6 34.1	3.929	4.897	3.4	18.7
10 8	23 9.84	+ 6 3.4	3.976	4.893	5.2	18.9
10 18	23 6.35	+ 5 33.7	4.050	4.889	6.9	19.0
24559 4148 P–L			9 12.3 193°.15	0°.3/12.6 18		
8 9	23 46.48	− 1 21.4	2.061	2.913	12.9	19.9
8 19	23 41.18	− 1 41.2	1.984	2.912	9.6	19.7
8 29	23 34.08	− 2 12.0	1.931	2.911	5.9	19.5
9 8	23 25.78	− 2 50.1	1.904	2.909	1.9	19.2
9 18	23 17.07	− 3 31.1	1.906	2.907	2.3	19.3
9 28	23 8.87	− 4 9.7	1.936	2.904	6.3	19.5
10 8	23 1.99	− 4 41.3	1.993	2.901	9.9	19.8
10 18	22 57.04	− 5 2.4	2.073	2.898	13.1	20.0
22124 2000 ST_{183}			9 12.3 317°.61	1°.5/11.2 18		R
8 9	23 41.88	− 3 44.4	1.104	2.004	18.1	18.1
8 19	23 39.28	− 4 25.1	1.025	1.979	13.6	17.7
8 29	23 33.69	− 5 25.4	0.964	1.954	8.3	17.4
9 8	23 25.83	− 6 38.5	0.925	1.930	2.5	16.9
9 18	23 16.89	− 7 54.1	0.908	1.907	4.6	17.0
9 28	23 8.51	− 9 0.2	0.914	1.885	10.8	17.3
10 8	23 2.25	− 9 46.6	0.940	1.864	16.6	17.5
10 18	22 59.17	−10 7.7	0.984	1.844	21.5	17.7
380515 2004 FQ_{93}			9 12.3 140°.64	1°.4/11.0 17		
8 9	23 48.43	− 5 18.4	1.790	2.657	13.8	21.5
8 19	23 42.75	− 5 58.7	1.728	2.666	10.2	21.3
8 29	23 35.05	− 6 48.3	1.690	2.675	6.0	21.0
9 8	23 26.07	− 7 41.4	1.678	2.683	2.0	20.8
9 18	23 16.74	− 8 31.9	1.694	2.691	3.4	20.9
9 28	23 8.12	− 9 13.6	1.738	2.698	7.6	21.2
10 8	23 1.11	− 9 42.1	1.807	2.705	11.4	21.4
10 18	22 56.29	− 9 55.3	1.899	2.711	14.6	21.7
513901 2013 XU_{26}			9 12.3 255°.05	0°.3/12.5 18		
8 9	23 42.54	+ 1 6.8	1.905	2.761	13.6	21.4
8 19	23 38.50	+ 0 6.4	1.820	2.749	10.3	21.2
8 29	23 32.58	− 1 11.1	1.757	2.737	6.4	20.9
9 8	23 25.36	− 2 40.8	1.721	2.725	2.1	20.6
9 18	23 17.62	− 4 15.7	1.712	2.713	2.5	20.6
9 28	23 10.30	− 5 47.4	1.732	2.700	6.8	20.9
10 8	23 4.29	− 7 8.3	1.778	2.688	10.9	21.1
10 18	23 0.24	− 8 12.9	1.848	2.675	14.4	21.3
198533 2004 XU_{106}			9 12.3 267°.66	1°.5/10.9 18		
8 9	23 46.41	− 6 3.9	1.820	2.691	13.4	20.3
8 19	23 41.46	− 6 35.6	1.738	2.678	10.0	20.1
8 29	23 34.42	− 7 16.5	1.679	2.664	6.0	19.8
9 8	23 25.93	− 8 1.4	1.646	2.650	2.0	19.5
9 18	23 16.87	− 8 44.5	1.640	2.636	3.6	19.6
9 28	23 8.30	− 9 19.6	1.661	2.622	7.8	19.9
10 8	23 1.20	− 9 42.0	1.708	2.608	11.8	20.1
10 18	22 56.27	− 9 49.3	1.777	2.594	15.3	20.3
59703 1999 JB_{120}			9 12.3 95°.83	0°.7/12.9 18		
8 9	23 46.08	+ 0 54.4	1.748	2.603	14.7	19.4
8 19	23 40.99	+ 0 15.3	1.692	2.620	11.0	19.2
8 29	23 33.96	− 0 38.6	1.658	2.637	6.8	19.0
9 8	23 25.74	− 1 42.4	1.650	2.654	2.4	18.8
9 18	23 17.24	− 2 49.6	1.669	2.670	2.4	18.8
9 28	23 9.47	− 3 53.1	1.716	2.686	6.7	19.1
10 8	23 3.28	− 4 46.8	1.789	2.702	10.6	19.4
10 18	22 59.21	− 5 26.6	1.885	2.718	13.9	19.6
305861 2009 EL_{24}			9 12.3 92°.44	2°.5/ 9.9 18		
8 9	23 45.56	− 8 58.3	1.905	2.781	12.7	20.7
8 19	23 40.59	− 9 38.5	1.840	2.784	9.3	20.5
8 29	23 33.74	−10 24.3	1.800	2.786	5.6	20.3
9 8	23 25.69	−11 10.3	1.786	2.788	2.6	20.1
9 18	23 17.29	−11 50.5	1.799	2.790	4.2	20.2
9 28	23 9.50	−12 19.7	1.839	2.792	7.8	20.4
10 8	23 3.15	−12 34.5	1.905	2.794	11.3	20.6
10 18	22 58.82	−12 33.7	1.993	2.796	14.3	20.8

294801 2008 CV_{80} 9 12.3 83°.22 1°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.95	− 6 33.2	2.024	2.896	12.3	21.0
8 19	23 39.26	− 7 17.1	1.963	2.904	9.0	20.8
8 29	23 32.87	− 8 8.3	1.926	2.912	5.3	20.6
9 8	23 25.41	− 9 1.6	1.915	2.920	2.0	20.4
9 18	23 17.67	− 9 51.3	1.933	2.927	3.4	20.5
9 28	23 10.50	−10 32.2	1.978	2.935	7.0	20.7
10 8	23 4.66	−11 0.2	2.049	2.943	10.4	21.0
10 18	23 0.66	−11 13.7	2.143	2.951	13.3	21.2

304157 2006 OT_{20} 9 12.3 350°.66 0°.3/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.49	− 2 3.5	1.684	2.556	14.3	20.5
8 19	23 38.58	− 2 40.0	1.614	2.553	10.7	20.2
8 29	23 32.65	− 3 29.8	1.566	2.550	6.5	20.0
9 8	23 25.39	− 4 28.0	1.543	2.548	1.9	19.7
9 18	23 17.67	− 5 28.1	1.546	2.547	2.8	19.8
9 28	23 10.54	− 6 22.7	1.577	2.545	7.3	20.1
10 8	23 4.90	− 7 6.0	1.632	2.544	11.4	20.3
10 18	23 1.40	− 7 34.1	1.708	2.544	15.0	20.5

451333 2010 VY_{113} 9 12.3 318°.27 4°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.83	+11 34.8	2.076	2.879	14.5	20.7
8 19	23 38.61	+11 49.3	1.989	2.871	11.9	20.5
8 29	23 32.61	+11 45.1	1.923	2.864	8.9	20.3
9 8	23 25.38	+11 22.2	1.881	2.857	6.2	20.1
9 18	23 17.66	+10 42.9	1.865	2.851	4.9	20.0
9 28	23 10.35	+ 9 51.7	1.877	2.844	6.5	20.1
10 8	23 4.26	+ 8 54.8	1.914	2.838	9.4	20.3
10 18	23 0.02	+ 7 58.7	1.976	2.832	12.4	20.5

13897 Vesuvius 9 12.3 28°.98 0°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.44	− 1 22.3	2.654	3.510	10.2	17.9
8 19	23 34.89	− 2 6.1	2.586	3.517	7.6	17.7
8 29	23 30.11	− 2 59.0	2.542	3.523	4.6	17.6
9 8	23 24.57	− 3 57.4	2.526	3.531	1.4	17.3
9 18	23 18.80	− 4 56.9	2.538	3.538	1.9	17.4
9 28	23 13.40	− 5 53.0	2.580	3.546	5.0	17.6
10 8	23 8.91	− 6 41.6	2.648	3.554	7.9	17.8
10 18	23 5.76	− 7 19.9	2.742	3.562	10.4	18.0

329902 2005 JS_{47} 9 12.3 182°.09 2°.2/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.69	− 7 1.3	1.739	2.611	13.9	21.9
8 19	23 43.10	− 7 49.6	1.671	2.612	10.2	21.7
8 29	23 35.37	− 8 46.7	1.627	2.613	6.1	21.4
9 8	23 26.22	− 9 46.1	1.609	2.612	2.4	21.2
9 18	23 16.62	−10 40.9	1.618	2.612	4.2	21.3
9 28	23 7.68	−11 24.4	1.655	2.610	8.3	21.6
10 8	23 0.39	−11 52.2	1.717	2.609	12.2	21.8
10 18	22 55.38	−12 2.4	1.800	2.606	15.5	22.0

31365 1998 WF_{7} 9 12.3 37°.77 7°.4/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.85	−17 18.1	1.112	2.020	17.3	17.2
8 19	23 43.05	−18 28.2	1.083	2.038	13.0	17.0
8 29	23 35.44	−19 34.9	1.074	2.056	9.1	16.8
9 8	23 26.20	−20 26.5	1.086	2.075	7.4	16.8
9 18	23 16.79	−20 54.2	1.122	2.095	9.5	17.0
9 28	23 8.71	−20 53.5	1.180	2.115	13.1	17.3
10 8	23 3.08	−20 25.1	1.258	2.136	16.7	17.5
10 18	23 0.42	−19 33.0	1.354	2.158	19.8	17.8

70348 1999 RE_{179} 9 12.3 346°.46 3°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.87	− 9 42.6	1.447	2.339	15.0	18.6
8 19	23 40.64	−10 25.7	1.383	2.334	11.1	18.3
8 29	23 34.04	−11 16.0	1.342	2.330	6.8	18.1
9 8	23 25.84	−12 5.9	1.324	2.326	3.4	17.9
9 18	23 17.13	−12 47.6	1.332	2.323	5.4	18.0
9 28	23 9.16	−13 14.4	1.365	2.320	9.7	18.2
10 8	23 3.02	−13 22.3	1.420	2.318	13.9	18.5
10 18	22 59.39	−13 10.3	1.496	2.317	17.4	18.7

511714 2015 CC_{53} 9 12.3 205°.21 1°.6/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.75	− 5 10.5	1.851	2.720	13.4	22.3
8 19	23 41.62	− 6 5.6	1.777	2.715	9.9	22.1
8 29	23 34.47	− 7 11.5	1.725	2.711	5.9	21.8
9 8	23 25.96	− 8 22.0	1.701	2.705	2.0	21.6
9 18	23 16.96	− 9 30.2	1.704	2.699	3.7	21.7
9 28	23 8.51	−10 29.0	1.735	2.693	7.8	21.9
10 8	23 1.53	−11 13.1	1.792	2.686	11.7	22.1
10 18	22 56.68	−11 39.7	1.871	2.678	15.0	22.3

247439 2002 EJ_{61} 9 12.3 172°.34 0°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.26	+ 0 59.8	2.298	3.146	11.8	20.8
8 19	23 37.18	+ 0 10.4	2.222	3.147	8.9	20.6
8 29	23 31.60	− 0 52.0	2.170	3.148	5.5	20.4
9 8	23 25.06	− 2 3.1	2.145	3.148	1.9	20.2
9 18	23 18.18	− 3 17.7	2.148	3.149	2.0	20.2
9 28	23 11.73	− 4 29.9	2.181	3.149	5.6	20.4
10 8	23 6.36	− 5 34.0	2.240	3.149	9.0	20.6
10 18	23 2.59	− 6 26.2	2.324	3.149	11.9	20.8

198135 2004 TK_{35} 9 12.3 189°.96 2°.2/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.58	+ 5 16.4	1.947	2.782	14.2	21.2
8 19	23 39.92	+ 4 49.6	1.869	2.781	11.0	21.0
8 29	23 33.39	+ 4 5.2	1.812	2.780	7.4	20.7
9 8	23 25.63	+ 3 6.3	1.781	2.779	3.6	20.5
9 18	23 17.42	+ 1 57.7	1.778	2.777	2.7	20.5
9 28	23 9.72	+ 0 46.2	1.802	2.775	6.1	20.7
10 8	23 3.36	− 0 21.1	1.854	2.773	9.9	20.9
10 18	22 58.97	− 1 18.7	1.929	2.771	13.2	21.1

31973 Ashwindatta 9 12.3 19°.48 5°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.14	−14 22.5	1.201	2.105	16.6	17.8
8 19	23 42.57	−15 9.1	1.156	2.110	12.4	17.6
8 29	23 35.25	−15 57.0	1.130	2.116	8.1	17.4
9 8	23 26.20	−16 36.6	1.127	2.123	5.6	17.2
9 18	23 16.78	−16 59.5	1.148	2.131	7.6	17.4
9 28	23 8.44	−17 0.3	1.192	2.140	11.7	17.6
10 8	23 2.37	−16 37.5	1.257	2.149	15.8	17.9
10 18	22 59.20	−15 53.1	1.341	2.159	19.2	18.2

473385 2015 UL_{78} 9 12.3 323°.68 8°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.38	−27 23.5	2.057	2.937	11.8	20.3
8 19	23 39.81	−28 47.3	2.006	2.930	9.8	20.2
8 29	23 33.33	−30 2.6	1.978	2.923	8.5	20.1
9 8	23 25.60	−31 1.4	1.976	2.917	8.6	20.1
9 18	23 17.51	−31 37.5	1.998	2.910	10.0	20.2
9 28	23 10.03	−31 47.2	2.045	2.904	12.1	20.3
10 8	23 4.03	−31 30.8	2.112	2.899	14.3	20.4
10 18	23 0.08	−30 50.5	2.197	2.893	16.3	20.6

52827 1998 RY_{38} 9 12.3 353°.09 1°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.70	− 4 19.3	0.935	1.852	19.0	18.6
8 19	23 35.45	− 5 4.9	0.879	1.842	14.1	18.2
8 29	23 31.29	− 6 9.6	0.840	1.833	8.4	17.9
9 8	23 25.09	− 7 24.5	0.821	1.827	2.7	17.6
9 18	23 18.17	− 8 37.7	0.823	1.823	5.0	17.7
9 28	23 12.13	− 9 36.8	0.847	1.820	11.0	18.0
10 8	23 8.36	−10 12.7	0.890	1.820	16.4	18.3
10 18	23 7.67	−10 21.7	0.949	1.822	21.0	18.6

156624 2002 GT_{156} 9 12.3 249°.06 3°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.81	−14 37.9	2.319	3.196	10.7	20.2
8 19	23 39.83	−15 23.2	2.249	3.190	7.9	20.0
8 29	23 33.22	−16 9.4	2.203	3.184	5.2	19.9
9 8	23 25.56	−16 51.3	2.185	3.178	3.8	19.8
9 18	23 17.57	−17 23.8	2.195	3.171	5.2	19.8
9 28	23 10.04	−17 42.8	2.233	3.165	8.0	20.0
10 8	23 3.71	−17 46.3	2.296	3.158	10.8	20.2
10 18	22 59.12	−17 34.0	2.381	3.151	13.3	20.3

181058 2005 PQ_{19} 9 12.3 20°.49 1°.4/11.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.95	− 0 18.9	0.920	1.830	19.9	18.6
8 19	23 34.66	− 1 56.5	0.882	1.841	14.6	18.4
8 29	23 30.61	− 3 59.1	0.863	1.855	8.6	18.1
9 8	23 24.82	− 6 13.3	0.864	1.870	2.4	17.8
9 18	23 18.62	− 8 22.8	0.888	1.887	4.7	18.0
9 28	23 13.48	−10 12.0	0.934	1.905	10.5	18.4
10 8	23 10.53	−11 31.0	1.000	1.926	15.6	18.8
10 18	23 10.36	−12 16.6	1.085	1.947	19.8	19.1

121141 1999 JE_{40} 9 12.3 93°.97 2°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.98	+ 6 24.5	1.758	2.591	15.6	19.5
8 19	23 40.94	+ 5 58.5	1.699	2.609	12.1	19.4
8 29	23 33.97	+ 5 13.2	1.662	2.628	8.1	19.2
9 8	23 25.79	+ 4 12.2	1.650	2.646	4.2	19.0
9 18	23 17.33	+ 3 1.2	1.665	2.663	3.0	18.9
9 28	23 9.58	+ 1 47.5	1.707	2.681	6.4	19.2
10 8	23 3.40	+ 0 38.7	1.776	2.698	10.1	19.5
10 18	22 59.34	− 0 19.4	1.868	2.714	13.4	19.7

223342 2003 QS_{96} 9 12.3 85°.90 0°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.93	− 1 45.3	2.288	3.143	11.7	20.9
8 19	23 38.33	− 2 18.6	2.225	3.155	8.6	20.7
8 29	23 32.25	− 3 1.5	2.187	3.168	5.2	20.5
9 8	23 25.26	− 3 50.1	2.176	3.181	1.6	20.3
9 18	23 18.03	− 4 39.9	2.194	3.194	2.1	20.4
9 28	23 11.30	− 5 25.9	2.240	3.206	5.6	20.6
10 8	23 5.73	− 6 4.0	2.313	3.219	8.9	20.9
10 18	23 1.79	− 6 31.3	2.410	3.231	11.6	21.1

446580 2014 OF_{217} 9 12.3 165°.99 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.56	− 0 59.8	2.631	3.472	10.8	21.6
8 19	23 40.14	− 1 11.7	2.555	3.476	8.1	21.4
8 29	23 33.31	− 1 32.1	2.503	3.479	5.0	21.2
9 8	23 25.59	− 1 58.3	2.479	3.483	1.7	21.0
9 18	23 17.58	− 2 27.1	2.485	3.485	1.8	21.0
9 28	23 9.98	− 2 54.9	2.520	3.488	5.0	21.2
10 8	23 3.43	− 3 18.3	2.584	3.490	8.1	21.4
10 18	22 58.39	− 3 34.6	2.673	3.491	10.7	21.6

272366 2005 SX_{201} 9 12.3 323°.23 1°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.16	− 2 38.0	1.322	2.209	16.5	20.5
8 19	23 38.93	− 3 26.8	1.248	2.196	12.3	20.2
8 29	23 33.19	− 4 33.3	1.196	2.184	7.4	19.9
9 8	23 25.66	− 5 50.7	1.166	2.172	2.2	19.6
9 18	23 17.43	− 7 10.0	1.161	2.161	3.8	19.7
9 28	23 9.84	− 8 20.7	1.181	2.150	9.2	19.9
10 8	23 4.08	− 9 14.6	1.223	2.140	14.1	20.2
10 18	23 0.97	− 9 46.7	1.285	2.131	18.3	20.4

379233 2009 ST_{273} 9 12.3 28°.84 1°.6/11.2 15

8 9	23 45.41	− 5 10.1	1.107	2.005	18.2	20.6
8 19	23 41.36	− 5 40.3	1.063	2.015	13.4	20.3
8 29	23 34.55	− 6 23.6	1.038	2.027	8.0	20.1
9 8	23 26.01	− 7 12.2	1.035	2.040	2.5	19.8
9 18	23 17.10	− 7 57.3	1.055	2.054	4.3	20.0
9 28	23 9.30	− 8 30.7	1.099	2.069	9.6	20.3
10 8	23 3.77	− 8 46.9	1.165	2.084	14.4	20.6
10 18	23 1.15	− 8 44.1	1.250	2.101	18.4	20.9

379531 2010 WP_{10} 9 12.3 258°.75 0°.4/11.5 15

8 9	23 36.10	− 4 37.4	4.529	5.382	6.4	21.9
8 19	23 32.76	− 5 3.2	4.446	5.377	4.7	21.8
8 29	23 28.69	− 5 33.1	4.389	5.371	2.8	21.7
9 8	23 24.17	− 6 4.9	4.361	5.366	0.8	21.5
9 18	23 19.48	− 6 36.6	4.363	5.361	1.4	21.5
9 28	23 14.98	− 7 6.1	4.395	5.356	3.4	21.7
10 8	23 10.98	− 7 31.4	4.456	5.351	5.2	21.8
10 18	23 7.76	− 7 50.9	4.543	5.345	6.9	21.9

60391 2000 AQ_{224} 9 12.3 81°.86 3°.1/ 9.7 18

8 9	23 47.62	− 8 16.3	1.438	2.324	15.5	19.5
8 19	23 42.50	− 9 17.8	1.390	2.338	11.3	19.3
8 29	23 35.04	−10 27.3	1.365	2.352	6.8	19.0
9 8	23 26.15	−11 36.5	1.364	2.367	3.2	18.9
9 18	23 16.95	−12 36.7	1.390	2.381	5.2	19.0
9 28	23 8.68	−13 20.7	1.441	2.395	9.5	19.3
10 8	23 2.34	−13 44.6	1.515	2.409	13.5	19.6
10 18	22 58.53	−13 47.6	1.610	2.422	16.8	19.9

231862 2000 SC_{251} 9 12.3 357°.02 3°.4/ 9.8 18

8 9	23 40.70	− 8 22.4	1.104	2.014	17.2	19.5
8 19	23 38.08	− 9 10.2	1.049	2.008	12.7	19.3
8 29	23 32.72	−10 9.0	1.012	2.004	7.7	19.0
9 8	23 25.52	−11 9.4	0.998	2.002	3.6	18.7
9 18	23 17.72	−12 1.5	1.006	2.001	5.9	18.9
9 28	23 10.81	−12 36.1	1.037	2.001	10.9	19.2
10 8	23 6.03	−12 47.8	1.089	2.003	15.7	19.5
10 18	23 4.12	−12 35.5	1.158	2.006	19.7	19.7

22712 1998 RF_{78} 9 12.3 210°.90 1°.5/10.5 18 R

8 9	23 42.18	− 6 13.0	2.305	3.174	11.1	18.1
8 19	23 37.87	− 6 58.9	2.234	3.174	8.1	17.9
8 29	23 32.04	− 7 52.2	2.188	3.173	4.8	17.7
9 8	23 25.23	− 8 48.0	2.168	3.172	1.8	17.5
9 18	23 18.10	− 9 41.3	2.177	3.172	3.1	17.6
9 28	23 11.41	−10 27.0	2.215	3.171	6.5	17.8
10 8	23 5.84	−11 1.2	2.278	3.170	9.6	18.0
10 18	23 1.89	−11 21.9	2.365	3.170	12.3	18.2

188721 2005 UU 9 12.3 6°.19 0°.3/12.5 18

8 9	23 38.41	− 0 46.6	1.281	2.171	16.8	18.7
8 19	23 35.99	− 1 16.2	1.225	2.172	12.6	18.5
8 29	23 31.27	− 2 3.3	1.189	2.175	7.7	18.2
9 8	23 25.04	− 3 2.0	1.175	2.180	2.4	17.9
9 18	23 18.36	− 4 4.4	1.185	2.186	3.0	18.0
9 28	23 12.44	− 5 1.5	1.219	2.194	8.1	18.3
10 8	23 8.31	− 5 45.9	1.276	2.203	12.7	18.6
10 18	23 6.59	− 6 12.8	1.353	2.214	16.6	18.9

53546 2000 BY_{6} 9 12.3 162°.26 3°.1/ 9.5 18

8 9	23 50.02	−12 29.6	2.154	3.023	11.7	19.0
8 19	23 43.68	−12 55.1	2.089	3.027	8.7	18.8
8 29	23 35.55	−13 22.3	2.049	3.031	5.4	18.6
9 8	23 26.29	−13 46.1	2.036	3.034	3.1	18.5
9 18	23 16.74	−14 2.1	2.051	3.037	4.5	18.6
9 28	23 7.81	−14 6.6	2.096	3.039	7.6	18.8
10 8	23 0.29	−13 57.9	2.166	3.041	10.8	19.0
10 18	22 54.75	−13 35.8	2.259	3.043	13.5	19.2

41572 2000 RL_{92} 9 12.3 264°.67 2°.2/13.9 18

8 9	23 49.26	+ 2 0.2	1.439	2.296	17.1	18.9
8 19	23 44.08	+ 2 7.8	1.362	2.289	13.2	18.6
8 29	23 36.28	+ 1 58.4	1.306	2.281	8.7	18.4
9 8	23 26.63	+ 1 34.3	1.273	2.274	3.9	18.1
9 18	23 16.24	+ 1 0.1	1.266	2.266	3.2	18.0
9 28	23 6.51	+ 0 22.5	1.284	2.258	7.9	18.3
10 8	22 58.66	− 0 11.3	1.327	2.251	12.7	18.5
10 18	22 53.56	− 0 35.6	1.391	2.243	16.8	18.8

154182 2002 GP_{115} 9 12.3 36°.17 4°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.47	−14 16.0	1.936	2.823	12.1	19.5
8 19	23 39.02	−15 15.2	1.883	2.830	8.9	19.3
8 29	23 32.79	−16 15.7	1.855	2.837	5.9	19.2
9 8	23 25.47	−17 10.8	1.852	2.845	4.3	19.1
9 18	23 17.86	−17 54.1	1.877	2.853	6.0	19.2
9 28	23 10.89	−18 21.0	1.928	2.861	8.9	19.4
10 8	23 5.32	−18 29.3	2.003	2.869	11.9	19.6
10 18	23 1.70	−18 19.1	2.099	2.878	14.5	19.8

369550 2011 AZ_{47} 9 12.3 313°.40 10°.2/31.2 18

8 9	23 38.09	−16 42.1	1.157	2.076	15.9	20.0
8 19	23 36.58	−20 13.5	1.082	2.042	12.4	19.7
8 29	23 32.20	−24 2.3	1.031	2.008	10.3	19.4
9 8	23 25.50	−27 47.1	1.005	1.974	11.3	19.4
9 18	23 17.60	−31 4.5	1.003	1.940	14.9	19.5
9 28	23 10.08	−33 35.7	1.022	1.908	19.3	19.6
10 8	23 4.59	−35 12.1	1.059	1.876	23.5	19.8
10 18	23 2.31	−35 54.6	1.108	1.845	27.1	20.0

432706 2011 CW_{8} 9 12.3 190°.36 0°.5/12.8 17

8 9	23 47.23	− 0 8.1	1.870	2.722	14.0	22.5
8 19	23 41.95	− 0 39.0	1.794	2.721	10.5	22.3
8 29	23 34.69	− 1 23.6	1.741	2.720	6.5	22.1
9 8	23 26.09	− 2 17.8	1.714	2.718	2.2	21.8
9 18	23 17.02	− 3 16.0	1.715	2.716	2.4	21.8
9 28	23 8.51	− 4 11.5	1.744	2.713	6.8	22.1
10 8	23 1.46	− 4 58.6	1.799	2.709	10.7	22.3
10 18	22 56.51	− 5 33.0	1.878	2.705	14.1	22.5

323644 2004 XA_{157} 9 12.3 308°.79 3°.3/15.8 18

8 9	23 43.20	+ 7 23.8	2.251	3.070	13.1	20.5
8 19	23 38.75	+ 7 30.5	2.165	3.063	10.4	20.3
8 29	23 32.66	+ 7 22.1	2.101	3.057	7.4	20.1
9 8	23 25.46	+ 6 59.9	2.063	3.051	4.4	19.9
9 18	23 17.84	+ 6 26.3	2.052	3.046	3.4	19.8
9 28	23 10.59	+ 5 45.6	2.069	3.040	5.6	19.9
10 8	23 4.49	+ 5 3.1	2.113	3.034	8.7	20.1
10 18	23 0.08	+ 4 23.7	2.181	3.029	11.7	20.3

318502 2005 ED_{149} 9 12.3 95°.48 1°.8/10.8 17

8 9	23 48.94	− 5 16.5	1.506	2.381	15.5	21.2
8 19	23 43.34	− 6 10.7	1.459	2.401	11.3	21.0
8 29	23 35.50	− 7 15.4	1.434	2.420	6.7	20.8
9 8	23 26.30	− 8 23.3	1.434	2.438	2.3	20.6
9 18	23 16.84	− 9 26.2	1.461	2.457	4.0	20.7
9 28	23 8.32	−10 16.8	1.514	2.475	8.5	21.1
10 8	23 1.69	−10 50.5	1.593	2.492	12.5	21.3
10 18	22 57.52	−11 5.4	1.692	2.509	15.9	21.6

157714 2006 AO_{74} 9 12.3 148°.37 1°.8/10.0 18

8 9	23 43.33	− 8 31.8	2.587	3.454	10.1	20.4
8 19	23 38.53	− 9 10.5	2.520	3.459	7.4	20.2
8 29	23 32.36	− 9 53.7	2.479	3.463	4.4	20.1
9 8	23 25.34	−10 37.2	2.465	3.468	2.0	19.9
9 18	23 18.06	−11 16.8	2.481	3.472	3.2	20.0
9 28	23 11.20	−11 48.5	2.525	3.476	6.1	20.2
10 8	23 5.39	−12 9.5	2.596	3.479	8.9	20.4
10 18	23 1.07	−12 18.4	2.691	3.483	11.3	20.6

445279 2009 WZ_{49} 9 12.3 119°.53 2°.8/15.8 15

8 9	23 48.43	+ 8 1.8	2.673	3.469	11.8	22.4
8 19	23 42.14	+ 7 56.8	2.609	3.495	9.3	22.2
8 29	23 34.46	+ 7 38.3	2.569	3.520	6.5	22.1
9 8	23 25.96	+ 7 8.0	2.557	3.544	3.9	21.9
9 18	23 17.27	+ 6 28.8	2.574	3.567	2.9	21.9
9 28	23 9.11	+ 5 44.5	2.622	3.589	4.9	22.1
10 8	23 2.07	+ 4 59.8	2.698	3.611	7.5	22.3
10 18	22 56.61	+ 4 18.5	2.801	3.631	9.9	22.5

509965 2009 SJ_{258} 9 12.3 333°.12 1°.9/10.9 18

8 9	23 41.26	− 4 59.7	1.143	2.044	17.5	21.0
8 19	23 38.62	− 5 40.8	1.072	2.027	13.0	20.6
8 29	23 33.19	− 6 38.1	1.021	2.011	7.8	20.3
9 8	23 25.74	− 7 44.3	0.991	1.997	2.6	20.0
9 18	23 17.46	− 8 49.3	0.984	1.983	4.7	20.1
9 28	23 9.88	− 9 42.5	1.001	1.970	10.4	20.3
10 8	23 4.35	−10 15.9	1.038	1.959	15.6	20.6
10 18	23 1.79	−10 25.7	1.093	1.949	20.1	20.8

264324 1999 TW_{266} 9 12.3 317°.19 5°.8/15.8 18

8 9	23 47.37	+ 7 14.2	1.273	2.122	19.4	20.2
8 19	23 43.15	+ 8 5.4	1.191	2.106	15.7	20.0
8 29	23 35.99	+ 8 36.0	1.128	2.090	11.5	19.7
9 8	23 26.63	+ 8 44.5	1.086	2.075	7.4	19.4
9 18	23 16.24	+ 8 31.8	1.067	2.060	6.0	19.3
9 28	23 6.37	+ 8 3.0	1.072	2.046	9.2	19.4
10 8	22 58.52	+ 7 26.4	1.100	2.032	13.8	19.6
10 18	22 53.73	+ 6 51.0	1.147	2.020	18.2	19.9

504329 2007 TO_{27} 9 12.3 271°.37 2°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.02	− 8 46.1	1.522	2.400	15.2	22.3
8 19	23 45.51	− 9 20.1	1.433	2.376	11.4	22.0
8 29	23 37.28	−10 2.7	1.366	2.352	7.0	21.7
9 8	23 27.00	−10 47.5	1.323	2.326	3.1	21.4
9 18	23 15.79	−11 26.7	1.308	2.301	5.1	21.4
9 28	23 5.05	−11 52.9	1.318	2.275	9.9	21.6
10 8	22 56.12	−12 1.3	1.352	2.248	14.6	21.8
10 18	22 49.95	−11 50.1	1.407	2.221	18.7	22.0

186811 2004 EG_{94} 9 12.3 105°.89 1°.5/11.0 17

8 9	23 48.54	− 5 16.0	1.642	2.514	14.7	21.0
8 19	23 42.96	− 5 58.8	1.589	2.528	10.7	20.8
8 29	23 35.26	− 6 51.4	1.558	2.543	6.4	20.6
9 8	23 26.25	− 7 47.5	1.552	2.557	2.1	20.3
9 18	23 16.94	− 8 40.1	1.574	2.571	3.6	20.5
9 28	23 8.46	− 9 22.9	1.623	2.585	7.9	20.8
10 8	23 1.70	− 9 51.3	1.698	2.598	11.8	21.0
10 18	22 57.27	−10 3.4	1.793	2.610	15.1	21.3

119797 2002 AD_{120} 9 12.3 126°.27 2°.3/ 9.9 18

8 9	23 46.52	− 7 36.1	2.008	2.878	12.4	19.8
8 19	23 41.17	− 8 35.6	1.952	2.892	9.0	19.7
8 29	23 34.06	− 9 41.8	1.921	2.906	5.4	19.5
9 8	23 25.87	−10 48.5	1.916	2.919	2.4	19.3
9 18	23 17.42	−11 49.4	1.941	2.932	4.0	19.4
9 28	23 9.61	−12 38.8	1.993	2.944	7.5	19.7
10 8	23 3.21	−13 13.0	2.071	2.955	10.8	19.9
10 18	22 58.74	−13 30.5	2.172	2.967	13.6	20.1

213519 2002 GF_{149} 9 12.3 44°.46 5°.5/ 8.9 17

8 9	23 49.95	−13 32.0	1.101	2.004	17.8	19.4
8 19	23 44.69	−14 20.9	1.065	2.020	13.1	19.2
8 29	23 36.53	−15 11.6	1.049	2.036	8.4	19.0
9 8	23 26.64	−15 53.7	1.055	2.053	5.5	18.9
9 18	23 16.52	−16 18.6	1.085	2.070	7.6	19.1
9 28	23 7.74	−16 20.7	1.138	2.088	11.9	19.4
10 8	23 1.46	−15 59.3	1.212	2.106	16.0	19.7
10 18	22 58.27	−15 16.6	1.304	2.125	19.5	20.0

240546 2004 PY_{73} 9 12.3 46°.76 3°.8/ 9.6 17

8 9	23 46.13	− 7 26.7	1.002	1.909	18.9	19.8
8 19	23 42.06	− 8 41.9	0.966	1.924	13.8	19.5
8 29	23 35.03	−10 8.7	0.949	1.940	8.2	19.3
9 8	23 26.21	−11 35.2	0.954	1.957	3.9	19.1
9 18	23 17.07	−12 48.9	0.982	1.975	6.4	19.3
9 28	23 9.21	−13 40.1	1.033	1.993	11.5	19.7
10 8	23 3.82	−14 4.3	1.104	2.011	16.1	20.0
10 18	23 1.52	−14 1.6	1.193	2.030	20.0	20.3

389337 2009 SQ_{318} 9 12.3 295°.40 0°.3/11.7 17

8 9	23 36.44	− 3 56.4	4.179	5.030	6.9	21.4
8 19	23 33.09	− 4 23.5	4.094	5.023	5.1	21.3
8 29	23 28.94	− 4 55.3	4.035	5.016	3.0	21.1
9 8	23 24.29	− 5 29.6	4.004	5.010	0.9	21.0
9 18	23 19.47	− 6 4.2	4.004	5.003	1.4	21.0
9 28	23 14.84	− 6 36.6	4.034	4.996	3.6	21.2
10 8	23 10.75	− 7 4.5	4.092	4.989	5.6	21.3
10 18	23 7.50	− 7 26.3	4.175	4.982	7.4	21.4

270835 2002 SE_{69} 9 12.3 290°.71 0°.4/12.6 18

8 9	23 45.54	− 0 41.3	1.463	2.334	16.2	21.7
8 19	23 41.37	− 1 6.0	1.379	2.316	12.3	21.5
8 29	23 34.70	− 1 47.6	1.316	2.298	7.7	21.2
9 8	23 26.20	− 2 41.7	1.276	2.281	2.5	20.8
9 18	23 16.90	− 3 41.8	1.262	2.263	3.0	20.8
9 28	23 8.11	− 4 39.4	1.274	2.246	8.3	21.1
10 8	23 1.06	− 5 26.6	1.310	2.229	13.2	21.3
10 18	22 56.59	− 5 58.0	1.366	2.212	17.4	21.5

309559 2007 YM_{74} 9 12.3 139°.31 4°.2/16.5 18

8 9	23 46.48	+ 9 20.3	2.119	2.926	14.2	20.7
8 19	23 41.23	+ 9 39.2	2.041	2.929	11.4	20.5
8 29	23 34.19	+ 9 41.5	1.985	2.932	8.3	20.3
9 8	23 25.95	+ 9 27.7	1.954	2.935	5.4	20.1
9 18	23 17.30	+ 8 59.9	1.949	2.938	4.3	20.1
9 28	23 9.12	+ 8 22.6	1.973	2.941	6.2	20.2
10 8	23 2.24	+ 7 41.1	2.024	2.944	9.2	20.4
10 18	22 57.25	+ 7 1.0	2.099	2.946	12.1	20.6

453481 2009 SS_{249} 9 12.3 355°.45 0°.3/12.0 18

8 9	23 43.37	− 3 38.7	1.860	2.729	13.3	20.7
8 19	23 39.09	− 3 53.2	1.788	2.727	9.9	20.5
8 29	23 32.95	− 4 17.2	1.740	2.724	6.0	20.2
9 8	23 25.58	− 4 47.0	1.717	2.722	1.8	20.0
9 18	23 17.81	− 5 17.8	1.721	2.721	2.6	20.0
9 28	23 10.57	− 5 44.4	1.752	2.720	6.8	20.3
10 8	23 4.73	− 6 2.4	1.808	2.720	10.6	20.5
10 18	23 0.87	− 6 9.1	1.887	2.721	13.8	20.7

428466 2007 UY_{75} 9 12.3 227°.18 4°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.15	+ 9 8.4	1.483	2.315	18.0	21.2
8 19	23 41.70	+ 9 2.8	1.406	2.312	14.4	21.0
8 29	23 34.81	+ 8 32.3	1.350	2.309	10.3	20.7
9 8	23 26.21	+ 7 38.3	1.315	2.305	6.2	20.5
9 18	23 16.95	+ 6 25.5	1.306	2.302	4.6	20.4
9 28	23 8.33	+ 5 2.6	1.323	2.298	7.7	20.6
10 8	23 1.48	+ 3 39.7	1.365	2.294	11.9	20.8
10 18	22 57.20	+ 2 25.6	1.428	2.289	15.9	21.0

386640 2009 SE_{246} 9 12.3 232°.83 0°.5/13.4 17

8 9	23 35.45	+ 0 51.4	4.598	5.431	6.6	21.2
8 19	23 32.31	+ 0 21.3	4.511	5.427	5.0	21.1
8 29	23 28.45	− 0 14.9	4.450	5.424	3.1	20.9
9 8	23 24.15	− 0 55.3	4.418	5.420	1.2	20.8
9 18	23 19.70	− 1 37.9	4.416	5.417	1.1	20.8
9 28	23 15.43	− 2 20.4	4.445	5.413	3.0	20.9
10 8	23 11.64	− 3 0.3	4.502	5.410	4.9	21.0
10 18	23 8.59	− 3 35.7	4.587	5.406	6.5	21.2

294239 2007 UV_{38} 9 12.3 339°.03 0°.5/11.9 18

8 9	23 43.76	− 3 24.1	1.476	2.356	15.5	20.5
8 19	23 39.88	− 3 43.4	1.404	2.347	11.6	20.2
8 29	23 33.67	− 4 15.5	1.353	2.339	7.0	19.9
9 8	23 25.86	− 4 55.4	1.325	2.331	2.1	19.6
9 18	23 17.45	− 5 37.0	1.323	2.323	3.1	19.7
9 28	23 9.67	− 6 13.0	1.347	2.317	8.1	19.9
10 8	23 3.60	− 6 37.6	1.394	2.311	12.6	20.2
10 18	22 59.99	− 6 47.1	1.461	2.306	16.5	20.4

61454 2000 QE_{30} 9 12.3 6°.85 4°.0/10.0 18

8 9	23 51.56	−13 12.4	1.313	2.204	16.3	17.9
8 19	23 45.78	−13 18.0	1.256	2.205	12.1	17.6
8 29	23 37.24	−13 24.6	1.220	2.206	7.6	17.4
9 8	23 26.92	−13 25.5	1.207	2.207	4.2	17.2
9 18	23 16.14	−13 15.0	1.220	2.210	5.9	17.3
9 28	23 6.40	−12 49.1	1.257	2.213	10.3	17.6
10 8	22 58.89	−12 7.1	1.317	2.217	14.6	17.8
10 18	22 54.33	−11 10.2	1.397	2.222	18.3	18.1

348038 2003 UZ_{52} 9 12.3 321°.00 7°.7/18.6 18

8 9	23 45.07	+14 43.8	1.628	2.428	18.0	20.2
8 19	23 40.90	+15 33.4	1.542	2.415	15.2	20.0
8 29	23 34.37	+15 59.7	1.475	2.404	12.1	19.8
9 8	23 26.11	+16 0.3	1.429	2.392	9.2	19.6
9 18	23 17.07	+15 35.3	1.407	2.381	7.7	19.5
9 28	23 8.47	+14 48.9	1.410	2.371	8.9	19.5
10 8	23 1.47	+13 48.9	1.437	2.361	11.8	19.7
10 18	22 56.91	+12 44.4	1.486	2.351	15.2	19.9

512322 2016 KX_2 9 12.3 31°.80 8°.2/ 6.5 17

8 9	23 44.59	−16 45.1	0.967	1.886	18.2	19.8
8 19	23 40.95	−18 21.0	0.944	1.904	13.7	19.7
8 29	23 34.33	−19 53.3	0.939	1.924	9.7	19.5
9 8	23 25.99	−21 8.1	0.956	1.944	8.3	19.5
9 18	23 17.46	−21 54.4	0.995	1.966	10.5	19.7
9 28	23 10.33	−22 6.9	1.054	1.989	14.3	20.0
10 8	23 5.72	−21 46.6	1.132	2.013	18.0	20.3
10 18	23 4.14	−20 58.3	1.227	2.038	21.1	20.6

176951 2002 XU_{21} 9 12.3 311°.94 6°.1/ 6.6 18

8 9	23 44.71	−16 59.4	1.650	2.544	13.4	19.5
8 19	23 40.55	−18 6.1	1.574	2.522	10.2	19.2
8 29	23 34.09	−19 14.2	1.520	2.500	7.3	19.0
9 8	23 26.01	−20 15.0	1.492	2.478	6.2	18.9
9 18	23 17.26	−21 0.0	1.488	2.456	8.1	19.0
9 28	23 9.05	−21 22.7	1.510	2.436	11.5	19.1
10 8	23 2.47	−21 20.2	1.553	2.415	15.0	19.3
10 18	22 58.28	−20 53.1	1.616	2.395	18.2	19.5

408832 2001 QJ_{298} 9 12.3 263°.73 0°.0/12.2 14 C

8 9	23 24.49	− 4 6.6	43.744	44.591	0.7	22.8
8 19	23 23.90	− 4 10.5	43.663	44.590	0.5	22.7
8 29	23 23.24	− 4 14.8	43.609	44.590	0.3	22.7
9 8	23 22.55	− 4 19.3	43.584	44.589	0.1	22.7
9 18	23 21.85	− 4 23.9	43.588	44.588	0.1	22.7
9 28	23 21.16	− 4 28.3	43.621	44.587	0.3	22.7
10 8	23 20.52	− 4 32.5	43.684	44.586	0.6	22.8
10 18	23 19.93	− 4 36.2	43.773	44.585	0.7	22.8

381767 2009 SS_{288} 9 12.3 311°.57 1°.0/11.5 18

8 9	23 43.09	− 3 3.6	1.337	2.223	16.4	20.4
8 19	23 39.73	− 3 46.7	1.257	2.204	12.3	20.2
8 29	23 33.78	− 4 46.9	1.198	2.186	7.5	19.8
9 8	23 25.95	− 5 58.1	1.162	2.167	2.2	19.5
9 18	23 17.31	− 7 11.6	1.150	2.150	3.8	19.5
9 28	23 9.21	− 8 17.3	1.163	2.132	9.3	19.8
10 8	23 2.94	− 9 6.7	1.199	2.116	14.3	20.0
10 18	22 59.37	− 9 35.0	1.254	2.100	18.7	20.3

326217 2012 CK_{42} 9 12.3 274.°85 1.°2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.26	− 5 40.7	2.208	3.075	11.6	21.1
8 19	23 38.79	− 6 16.5	2.131	3.069	8.5	20.9
8 29	23 32.69	− 7 0.0	2.078	3.063	5.1	20.6
9 8	23 25.51	− 7 47.0	2.052	3.057	1.7	20.4
9 18	23 17.96	− 8 32.3	2.054	3.051	3.0	20.5
9 28	23 10.84	− 9 11.1	2.085	3.045	6.5	20.7
10 8	23 4.89	− 9 39.3	2.142	3.039	9.9	20.9
10 18	23 0.65	− 9 54.6	2.222	3.033	12.8	21.1

102592 1999 VE_{1} 9 12.3 315.°30 4.°8/ 9.4 18

8 9	23 51.23	−13 39.3	1.295	2.188	16.4	18.7
8 19	23 45.82	−14 3.0	1.227	2.177	12.3	18.5
8 29	23 37.46	−14 28.6	1.180	2.166	7.9	18.2
9 8	23 27.07	−14 48.1	1.156	2.155	4.8	18.0
9 18	23 15.96	−14 54.1	1.157	2.145	6.8	18.1
9 28	23 5.72	−14 41.0	1.182	2.135	11.3	18.3
10 8	22 57.71	−14 7.1	1.230	2.126	15.7	18.5
10 18	22 52.78	−13 13.9	1.296	2.117	19.7	18.8

188565 2004 TR_{122} 9 12.3 46.°68 7.°8/ 6.7 18

8 9	23 57.00	−27 31.2	1.956	2.817	13.1	19.4
8 19	23 48.89	−27 51.3	1.911	2.828	10.6	19.2
8 29	23 38.67	−27 59.4	1.890	2.840	8.5	19.1
9 8	23 27.29	−27 49.4	1.895	2.851	7.8	19.1
9 18	23 15.86	−27 17.7	1.927	2.863	8.9	19.2
9 28	23 5.51	−26 23.5	1.986	2.875	11.1	19.4
10 8	22 57.13	−25 9.7	2.069	2.888	13.4	19.6
10 18	22 51.22	−23 40.3	2.173	2.900	15.6	19.8

481430 2006 UR_{164} 9 12.3 267.°15 6.°8/ 5.5 18

8 9	23 49.04	−23 13.4	2.072	2.948	11.8	21.8
8 19	23 43.26	−24 7.2	2.006	2.937	9.4	21.7
8 29	23 35.48	−24 55.3	1.964	2.925	7.4	21.5
9 8	23 26.40	−25 30.8	1.948	2.914	6.9	21.5
9 18	23 16.90	−25 47.6	1.959	2.902	8.3	21.6
9 28	23 8.01	−25 42.5	1.995	2.890	10.7	21.7
10 8	23 0.64	−25 15.0	2.055	2.879	13.3	21.8
10 18	22 55.39	−24 27.1	2.135	2.867	15.7	22.0

266501 2008 EN_{11} 9 12.3 34.°04 4.°9/ 8.7 18

8 9	23 44.38	−10 28.2	1.093	2.001	17.5	19.6
8 19	23 40.62	−11 44.8	1.056	2.015	12.8	19.4
8 29	23 34.14	−13 8.2	1.040	2.030	7.9	19.2
9 8	23 25.99	−14 26.7	1.046	2.046	4.9	19.1
9 18	23 17.53	−15 29.3	1.076	2.063	7.2	19.3
9 28	23 10.23	−16 7.8	1.128	2.081	11.6	19.6
10 8	23 5.19	−16 19.3	1.201	2.099	15.9	19.9
10 18	23 3.01	−16 5.0	1.292	2.118	19.4	20.2

319432 2006 JH_{11} 9 12.3 276.°34 3.°2/10.2 17

8 9	23 49.97	− 9 9.6	1.360	2.246	16.2	21.2
8 19	23 44.84	− 9 44.4	1.285	2.233	12.0	20.9
8 29	23 36.89	−10 27.7	1.232	2.219	7.4	20.6
9 8	23 26.93	−11 12.0	1.202	2.205	3.4	20.3
9 18	23 16.18	−11 49.1	1.198	2.191	5.4	20.4
9 28	23 6.13	−12 11.5	1.219	2.177	10.3	20.7
10 8	22 58.11	−12 14.6	1.262	2.163	15.0	20.9
10 18	22 53.01	−11 57.4	1.325	2.149	19.1	21.1

432301 2009 SH_{321} 9 12.3 312.°65 2.°5/17.4 17

8 9	23 36.20	+10 44.2	4.201	4.984	8.1	20.8
8 19	23 32.95	+10 31.9	4.108	4.980	6.5	20.6
8 29	23 28.90	+10 9.6	4.039	4.976	4.8	20.5
9 8	23 24.35	+ 9 38.5	3.996	4.972	3.2	20.4
9 18	23 19.61	+ 9 0.1	3.982	4.968	2.5	20.4
9 28	23 15.06	+ 8 16.8	3.998	4.965	3.4	20.4
10 8	23 11.05	+ 7 31.4	4.042	4.961	5.0	20.5
10 18	23 7.88	+ 6 46.8	4.114	4.957	6.7	20.7

75872 2000 CK_{24} 9 12.3 355.°13 7.°0/16.9 18 R

8 9	23 46.65	+10 3.9	1.406	2.238	18.8	17.7
8 19	23 42.26	+11 11.4	1.334	2.233	15.5	17.4
8 29	23 35.27	+11 57.8	1.280	2.229	11.8	17.2
9 8	23 26.43	+12 20.9	1.248	2.226	8.3	17.0
9 18	23 16.85	+12 21.0	1.240	2.224	7.0	16.9
9 28	23 7.91	+12 2.1	1.256	2.224	8.9	17.0
10 8	23 0.84	+11 31.6	1.295	2.224	12.5	17.2
10 18	22 56.50	+10 57.7	1.355	2.225	16.1	17.5

356499 2011 SV_{28} 9 12.3 340.°06 4.°4/10.3 18

8 9	23 59.74	−16 53.1	1.525	2.398	15.5	19.7
8 19	23 51.73	−16 26.7	1.451	2.389	11.8	19.4
8 29	23 40.86	−15 54.3	1.400	2.380	7.7	19.2
9 8	23 28.10	−15 10.9	1.375	2.372	4.6	19.0
9 18	23 14.79	−14 13.1	1.377	2.365	5.9	19.0
9 28	23 2.46	−13 0.0	1.408	2.358	10.0	19.3
10 8	22 52.41	−11 33.8	1.464	2.352	14.1	19.5
10 18	22 45.40	− 9 57.6	1.542	2.347	17.7	19.7

210575 1999 UR_{31} 9 12.3 33.°24 1.°0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.77	− 4 56.7	1.918	2.789	12.9	20.7
8 19	23 39.29	− 5 26.8	1.856	2.795	9.5	20.5
8 29	23 33.03	− 6 5.5	1.816	2.801	5.6	20.3
9 8	23 25.65	− 6 48.2	1.803	2.808	1.7	20.0
9 18	23 17.95	− 7 29.4	1.817	2.815	3.0	20.1
9 28	23 10.84	− 8 4.0	1.858	2.822	6.9	20.4
10 8	23 5.09	− 8 27.8	1.925	2.829	10.4	20.6
10 18	23 1.27	− 8 38.4	2.015	2.837	13.5	20.9

60031 1999 TH_{89} 9 12.3 16.°98 1.°8/10.7 18

8 9	23 42.52	− 6 18.2	1.688	2.571	13.8	18.6
8 19	23 38.58	− 6 59.6	1.630	2.576	10.1	18.4
8 29	23 32.69	− 7 49.8	1.593	2.581	6.0	18.1
9 8	23 25.56	− 8 42.9	1.582	2.587	2.2	17.9
9 18	23 18.08	− 9 32.4	1.597	2.593	3.8	18.0
9 28	23 11.24	−10 12.0	1.639	2.600	7.8	18.3
10 8	23 5.92	−10 37.2	1.705	2.608	11.6	18.6
10 18	23 2.69	−10 46.1	1.792	2.617	14.9	18.8

521889 2015 TU_{382} 9 12.3 265.°55 1.°6/10.4 18

8 9	23 42.37	− 7 2.3	2.402	3.270	10.7	21.8
8 19	23 38.05	− 7 45.0	2.323	3.262	7.9	21.6
8 29	23 32.23	− 8 34.2	2.268	3.254	4.7	21.3
9 8	23 25.41	− 9 25.7	2.241	3.245	1.8	21.1
9 18	23 18.24	−10 14.4	2.243	3.237	3.2	21.2
9 28	23 11.44	−10 55.7	2.273	3.228	6.4	21.4
10 8	23 5.71	−11 25.9	2.330	3.220	9.5	21.6
10 18	23 1.54	−11 42.9	2.410	3.211	12.2	21.8

393748 2005 EC_{141} 9 12.3 190.°31 2.°2/14.9 18

8 9	23 44.72	+ 5 58.1	2.427	3.245	12.2	22.1
8 19	23 39.76	+ 5 34.7	2.342	3.244	9.5	21.9
8 29	23 33.25	+ 4 56.6	2.280	3.242	6.5	21.7
9 8	23 25.73	+ 4 6.1	2.245	3.240	3.4	21.5
9 18	23 17.83	+ 3 7.0	2.238	3.237	2.5	21.5
9 28	23 10.33	+ 2 4.4	2.262	3.233	5.2	21.7
10 8	23 3.90	+ 1 3.8	2.313	3.229	8.4	21.8
10 18	22 59.09	+ 0 9.9	2.389	3.224	11.3	22.0

294349 2007 VC_{92} 9 12.3 33.°25 3.°7/10.8 17

8 9	23 53.73	−11 28.7	0.806	1.719	21.5	19.1
8 19	23 47.87	−11 19.5	0.782	1.742	15.8	18.8
8 29	23 38.53	−11 14.2	0.776	1.767	9.5	18.6
9 8	23 27.30	−11 5.0	0.789	1.793	4.2	18.4
9 18	23 16.11	−10 45.7	0.824	1.820	6.1	18.7
9 28	23 6.86	−10 12.6	0.880	1.849	11.5	19.1
10 8	23 0.79	− 9 25.3	0.956	1.879	16.5	19.5
10 18	22 58.34	− 8 25.6	1.050	1.909	20.5	19.8

293554 2007 HT_{36} 9 12.3 30.°92 0.°4/12.6 17

8 9	23 46.04	− 1 22.1	0.906	1.806	21.0	19.9
8 19	23 42.31	− 1 35.9	0.865	1.818	15.7	19.6
8 29	23 35.39	− 2 10.0	0.842	1.830	9.6	19.4
9 8	23 26.44	− 2 57.3	0.839	1.844	3.1	19.1
9 18	23 17.07	− 3 48.3	0.857	1.859	3.6	19.2
9 28	23 9.00	− 4 32.5	0.897	1.874	9.8	19.6
10 8	23 3.56	− 5 1.9	0.958	1.891	15.2	19.9
10 18	23 1.44	− 5 12.4	1.037	1.909	19.7	20.3

403449 2009 SH_{288} 9 12.4 323.°41 1.°2/11.3 18

8 9	23 46.00	− 6 56.6	2.118	2.985	12.0	20.7
8 19	23 40.89	− 7 6.4	2.041	2.979	8.9	20.5
8 29	23 34.02	− 7 21.9	1.988	2.972	5.3	20.3
9 8	23 25.99	− 7 39.4	1.962	2.966	1.8	20.0
9 18	23 17.56	− 7 55.0	1.963	2.960	2.9	20.1
9 28	23 9.61	− 8 4.7	1.993	2.955	6.6	20.4
10 8	23 2.95	− 8 5.5	2.049	2.949	10.1	20.6
10 18	22 58.14	− 7 55.7	2.128	2.944	13.1	20.8

351150 2003 YO_{44} 9 12.4 218.°45 2.°5/15.0 18

8 9	23 45.61	+ 5 28.8	2.324	3.146	12.6	22.1
8 19	23 40.53	+ 5 22.8	2.235	3.139	9.9	21.9
8 29	23 33.80	+ 5 2.8	2.169	3.131	6.7	21.7
9 8	23 25.93	+ 4 30.4	2.129	3.123	3.6	21.5
9 18	23 17.62	+ 3 48.7	2.117	3.114	2.7	21.4
9 28	23 9.69	+ 3 2.4	2.134	3.106	5.5	21.6
10 8	23 2.88	+ 2 16.6	2.179	3.096	8.8	21.7
10 18	22 57.77	+ 1 35.8	2.249	3.087	11.8	21.9

54712 2001 HD_{30} 9 12.4 52.°51 3.°4/15.2 18

8 9	23 45.75	+ 6 35.0	1.286	2.140	19.0	18.5
8 19	23 41.39	+ 6 21.0	1.236	2.157	14.8	18.3
8 29	23 34.55	+ 5 42.5	1.205	2.175	10.0	18.0
9 8	23 26.16	+ 4 43.2	1.197	2.193	5.3	17.8
9 18	23 17.41	+ 3 30.4	1.212	2.211	3.8	17.8
9 28	23 9.62	+ 2 13.7	1.253	2.230	7.6	18.1
10 8	23 3.85	+ 1 3.1	1.318	2.249	12.1	18.4
10 18	23 0.72	+ 0 5.6	1.404	2.268	16.0	18.7

57487 2001 SN_{163} 9 12.4 258°.26 2°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.23	+ 4 25.6	1.689	2.536	15.5	19.4
8 19	23 40.05	+ 3 54.3	1.608	2.528	12.0	19.2
8 29	23 33.74	+ 3 3.1	1.547	2.520	7.9	18.9
9 8	23 25.95	+ 1 55.5	1.512	2.512	3.6	18.6
9 18	23 17.59	+ 0 37.4	1.503	2.503	2.7	18.6
9 28	23 9.72	− 0 43.0	1.521	2.495	6.9	18.8
10 8	23 3.37	− 1 57.3	1.564	2.486	11.2	19.0
10 18	22 59.22	− 2 59.0	1.630	2.477	15.0	19.3

171533 1999 KC_{10} 9 12.4 57°.58 5°.7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.63	−14 21.0	1.173	2.071	17.3	19.1
8 19	23 45.84	−15 12.3	1.136	2.088	12.8	18.9
8 29	23 37.23	−16 4.1	1.120	2.105	8.3	18.7
9 8	23 26.96	−16 46.4	1.127	2.123	5.7	18.7
9 18	23 16.47	−17 10.9	1.158	2.141	7.7	18.8
9 28	23 7.30	−17 12.3	1.213	2.159	11.8	19.1
10 8	23 0.59	−16 50.3	1.289	2.177	15.7	19.4
10 18	22 56.91	−16 7.3	1.384	2.195	19.1	19.7

306773 2001 CJ_{44} 9 12.4 131°.45 5°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.00	−23 16.5	2.821	3.692	9.2	20.6
8 19	23 39.71	−24 21.7	2.778	3.705	7.3	20.5
8 29	23 33.09	−25 21.9	2.761	3.717	5.8	20.4
9 8	23 25.66	−26 11.7	2.771	3.729	5.6	20.4
9 18	23 18.05	−26 47.1	2.810	3.741	6.7	20.5
9 28	23 10.93	−27 5.5	2.875	3.753	8.4	20.6
10 8	23 4.90	−27 6.2	2.964	3.763	10.3	20.8
10 18	23 0.38	−26 50.1	3.075	3.774	12.0	20.9

229406 2005 SX_{221} 9 12.4 338°.06 8°.2/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.65	−16 43.8	1.158	2.074	16.1	19.3
8 19	23 38.18	−18 36.5	1.102	2.061	12.3	19.0
8 29	23 32.94	−20 32.8	1.067	2.049	9.1	18.8
9 8	23 25.76	−22 18.3	1.054	2.038	8.4	18.7
9 18	23 17.87	−23 39.6	1.064	2.029	11.0	18.9
9 28	23 10.80	−24 26.6	1.095	2.020	14.9	19.1
10 8	23 5.85	−24 36.3	1.144	2.012	18.8	19.3
10 18	23 3.81	−24 10.9	1.210	2.006	22.2	19.5

98611 2000 WY_{77} 9 12.4 19°.31 2°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.53	+ 0 37.0	0.958	1.851	20.8	18.4
8 19	23 41.91	+ 0 53.0	0.911	1.857	15.9	18.1
8 29	23 35.18	+ 0 48.2	0.881	1.865	10.2	17.8
9 8	23 26.42	+ 0 26.4	0.872	1.875	4.2	17.5
9 18	23 17.11	− 0 5.7	0.884	1.886	3.5	17.5
9 28	23 8.98	− 0 39.1	0.918	1.898	9.2	17.9
10 8	23 3.37	− 1 5.2	0.973	1.911	14.5	18.3
10 18	23 1.00	− 1 18.3	1.047	1.926	19.0	18.6

299778 2006 SO_{64} 9 12.4 23°.50 0°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.79	− 2 16.5	1.819	2.687	13.6	20.6
8 19	23 38.72	− 3 4.8	1.751	2.688	10.1	20.4
8 29	23 32.79	− 4 5.8	1.706	2.690	6.1	20.2
9 8	23 25.63	− 5 14.1	1.687	2.692	1.8	19.9
9 18	23 18.08	− 6 23.1	1.695	2.694	2.8	20.0
9 28	23 11.09	− 7 25.6	1.730	2.696	7.1	20.3
10 8	23 5.50	− 8 16.0	1.791	2.698	10.9	20.5
10 18	23 1.89	− 8 50.6	1.874	2.701	14.2	20.7

4416 Ramses 9 12.4 343°.44 0°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.85	− 0 3.5	0.934	1.836	20.4	17.5
8 19	23 38.76	− 0 16.7	0.871	1.824	15.5	17.2
8 29	23 33.52	− 0 53.3	0.826	1.814	9.8	16.8
9 8	23 26.01	− 1 48.2	0.800	1.805	3.5	16.4
9 18	23 17.59	− 2 52.2	0.795	1.798	3.5	16.4
9 28	23 10.04	− 3 53.4	0.812	1.792	10.0	16.8
10 8	23 4.88	− 4 40.7	0.848	1.787	15.9	17.1
10 18	23 3.07	− 5 7.2	0.901	1.784	21.0	17.4

514730 2006 WM_{200} 9 12.4 286°.00 0°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.22	− 1 1.4	2.025	2.883	12.8	21.9
8 19	23 38.93	− 1 33.4	1.947	2.878	9.6	21.7
8 29	23 32.89	− 2 17.6	1.893	2.873	5.9	21.4
9 8	23 25.69	− 3 9.9	1.864	2.868	1.9	21.2
9 18	23 18.06	− 4 5.2	1.863	2.863	2.3	21.2
9 28	23 10.88	− 4 57.6	1.890	2.859	6.3	21.4
10 8	23 4.97	− 5 41.7	1.943	2.854	10.0	21.7
10 18	23 0.89	− 6 13.7	2.019	2.849	13.2	21.9

152359 2005 UM_{129} 9 12.4 241°.86 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.51	− 1 13.0	2.283	3.135	11.8	21.1
8 19	23 38.97	− 1 39.5	2.202	3.130	8.8	20.9
8 29	23 32.84	− 2 16.3	2.144	3.124	5.4	20.7
9 8	23 25.66	− 3 0.2	2.114	3.118	1.8	20.4
9 18	23 18.10	− 3 46.8	2.112	3.113	2.1	20.4
9 28	23 10.94	− 4 31.1	2.139	3.107	5.8	20.7
10 8	23 4.90	− 5 8.7	2.192	3.101	9.1	20.9
10 18	23 0.52	− 5 36.1	2.270	3.095	12.1	21.1

337133 1999 TN_{142} 9 12.4 4°.33 6°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 53.41	−18 44.6	1.205	2.101	17.1	18.5
8 19	23 47.39	−18 45.6	1.152	2.100	13.1	18.3
8 29	23 38.34	−18 40.2	1.120	2.101	8.9	18.1
9 8	23 27.38	−18 20.7	1.110	2.103	6.5	17.9
9 18	23 16.01	−17 41.8	1.124	2.106	8.1	18.0
9 28	23 5.89	−16 41.5	1.163	2.110	12.0	18.3
10 8	22 58.29	−15 22.2	1.223	2.115	16.0	18.5
10 18	22 53.91	−13 47.9	1.302	2.122	19.6	18.8

263847 2009 BS_{30} 9 12.4 93°.27 1°.5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.12	+ 1 8.5	1.393	2.250	17.6	21.2
8 19	23 45.93	+ 1 0.4	1.342	2.270	13.3	21.0
8 29	23 37.25	+ 0 35.5	1.312	2.289	8.4	20.8
9 8	23 27.02	− 0 2.1	1.305	2.308	3.3	20.5
9 18	23 16.48	− 0 46.2	1.325	2.326	2.9	20.5
9 28	23 6.96	− 1 29.4	1.372	2.345	7.7	20.9
10 8	22 59.55	− 2 5.0	1.443	2.362	12.2	21.2
10 18	22 54.86	− 2 28.7	1.535	2.379	15.9	21.5

433091 2012 TD_{87} 9 12.4 71°.02 1°.5/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.41	+ 2 29.2	1.606	2.460	15.8	21.2
8 19	23 41.46	+ 2 3.1	1.553	2.479	12.0	21.1
8 29	23 34.44	+ 1 20.1	1.522	2.498	7.6	20.8
9 8	23 26.15	+ 0 24.8	1.516	2.518	3.1	20.6
9 18	23 17.58	− 0 36.7	1.536	2.537	2.5	20.6
9 28	23 9.81	− 1 36.9	1.583	2.556	6.8	20.9
10 8	23 3.74	− 2 29.0	1.655	2.575	10.8	21.2
10 18	22 59.92	− 3 8.4	1.750	2.594	14.3	21.5

170745 2004 BR_{113} 9 12.4 286°.94 2°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.80	− 8 39.3	1.900	2.773	12.9	20.2
8 19	23 42.67	− 9 7.9	1.805	2.746	9.6	19.9
8 29	23 35.39	− 9 43.2	1.733	2.718	5.9	19.6
9 8	23 26.53	−10 20.2	1.687	2.690	2.5	19.4
9 18	23 16.96	−10 53.2	1.669	2.662	4.1	19.4
9 28	23 7.74	−11 16.4	1.678	2.634	8.2	19.6
10 8	22 59.90	−11 25.8	1.713	2.606	12.2	19.8
10 18	22 54.21	−11 19.5	1.769	2.577	15.7	20.0

371861 2008 BN_{19} 9 12.4 307°.01 2°.5/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.50	+ 2 37.4	1.330	2.193	17.9	21.2
8 19	23 43.02	+ 2 44.6	1.255	2.184	13.9	20.9
8 29	23 35.82	+ 2 32.9	1.200	2.176	9.2	20.6
9 8	23 26.69	+ 2 4.6	1.167	2.168	4.3	20.3
9 18	23 16.78	+ 1 24.5	1.159	2.160	3.4	20.2
9 28	23 7.53	+ 0 40.1	1.176	2.152	8.2	20.5
10 8	23 0.24	− 0 0.3	1.216	2.145	13.1	20.7
10 18	22 55.79	− 0 30.4	1.277	2.138	17.5	21.0

143340 2003 AC_{74} 9 12.4 319°.78 1°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.39	− 7 30.0	1.568	2.450	14.6	18.6
8 19	23 41.94	− 7 41.4	1.482	2.428	10.9	18.4
8 29	23 35.07	− 8 0.4	1.419	2.406	6.6	18.1
9 8	23 26.45	− 8 22.1	1.379	2.384	2.4	17.7
9 18	23 17.08	− 8 40.8	1.366	2.363	3.9	17.8
9 28	23 8.20	− 8 50.8	1.378	2.343	8.7	18.0
10 8	23 0.97	− 8 47.8	1.414	2.323	13.2	18.3
10 18	22 56.23	− 8 29.9	1.471	2.304	17.1	18.5

314463 2005 WD_{20} 9 12.4 260°.30 0°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.00	− 2 25.8	2.277	3.132	11.7	21.7
8 19	23 39.36	− 2 49.2	2.193	3.123	8.7	21.5
8 29	23 33.11	− 3 22.0	2.133	3.114	5.3	21.2
9 8	23 25.77	− 4 1.0	2.100	3.105	1.6	21.0
9 18	23 18.02	− 4 41.8	2.096	3.096	2.2	21.0
9 28	23 10.65	− 5 19.7	2.120	3.086	5.9	21.2
10 8	23 4.42	− 5 50.4	2.170	3.077	9.3	21.4
10 18	22 59.86	− 6 10.9	2.245	3.067	12.3	21.6

393474 2002 EQ_{161} 9 12.4 187°.87 0°.5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 35.71	− 3 51.3	4.564	5.414	6.4	20.8
8 19	23 32.55	− 4 45.4	4.484	5.414	4.6	20.6
8 29	23 28.67	− 5 44.4	4.431	5.413	2.7	20.5
9 8	23 24.35	− 6 45.7	4.408	5.413	0.8	20.3
9 18	23 19.87	− 7 46.7	4.416	5.413	1.5	20.4
9 28	23 15.58	− 8 44.6	4.455	5.412	3.5	20.5
10 8	23 11.77	− 9 37.0	4.523	5.412	5.3	20.7
10 18	23 8.71	−10 21.9	4.618	5.411	6.9	20.8

252818 2002 GR_{47} 9 12.4 247°.68 0°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.19	− 1 32.4	2.352	3.204	11.5	21.2
8 19	23 38.72	− 2 1.6	2.268	3.197	8.6	21.0
8 29	23 32.70	− 2 40.9	2.209	3.189	5.3	20.8
9 8	23 25.65	− 3 26.9	2.176	3.181	1.7	20.5
9 18	23 18.22	− 4 15.3	2.172	3.172	2.1	20.5
9 28	23 11.15	− 5 1.2	2.197	3.164	5.7	20.8
10 8	23 5.16	− 5 40.1	2.248	3.155	9.0	21.0
10 18	23 0.79	− 6 8.7	2.324	3.147	11.9	21.1

309066 2006 UZ_{358} 9 12.4 258°.47 0°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.41	− 2 8.4	2.024	2.883	12.8	21.5
8 19	23 39.81	− 2 35.8	1.948	2.881	9.5	21.3
8 29	23 33.43	− 3 14.1	1.896	2.878	5.8	21.0
9 8	23 25.88	− 3 59.3	1.870	2.875	1.8	20.8
9 18	23 17.93	− 4 46.4	1.872	2.872	2.4	20.8
9 28	23 10.46	− 5 29.9	1.902	2.869	6.4	21.1
10 8	23 4.27	− 6 4.9	1.958	2.866	10.1	21.3
10 18	22 59.96	− 6 28.1	2.037	2.864	13.2	21.5

360070 2013 AY_{126} 9 12.4 254°.58 0°.8/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.01	− 6 43.8	4.318	5.176	6.6	21.0
8 19	23 33.53	− 7 11.4	4.238	5.172	4.8	20.9
8 29	23 29.28	− 7 42.2	4.184	5.168	2.8	20.8
9 8	23 24.55	− 8 14.3	4.159	5.163	1.0	20.6
9 18	23 19.65	− 8 45.3	4.164	5.159	1.7	20.7
9 28	23 14.95	− 9 12.9	4.199	5.155	3.7	20.8
10 8	23 10.78	− 9 35.2	4.263	5.151	5.6	21.0
10 18	23 7.44	− 9 50.8	4.352	5.147	7.3	21.1

474629 2004 TQ_{265} 9 12.4 345°.14 5°.6/17.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 30.29	+ 9 17.7	0.950	1.836	21.5	21.8
8 19	23 30.80	+ 9 24.0	0.875	1.811	17.6	21.4
8 29	23 28.68	+ 8 54.7	0.816	1.789	12.9	21.1
9 8	23 24.57	+ 7 49.1	0.775	1.769	8.1	20.7
9 18	23 19.55	+ 6 12.6	0.753	1.751	5.7	20.6
9 28	23 15.14	+ 4 17.6	0.752	1.737	9.1	20.7
10 8	23 12.80	+ 2 21.3	0.770	1.725	14.5	20.9
10 18	23 13.50	+ 0 39.2	0.806	1.717	19.7	21.2

288373 2004 CA_{25} 9 12.4 257°.69 0°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.80	− 1 26.9	2.055	2.914	12.6	20.9
8 19	23 38.68	− 2 21.5	1.970	2.903	9.4	20.7
8 29	23 32.80	− 3 29.4	1.908	2.891	5.7	20.5
9 8	23 25.71	− 4 45.9	1.873	2.879	1.7	20.2
9 18	23 18.14	− 6 4.8	1.867	2.866	2.6	20.2
9 28	23 10.97	− 7 18.9	1.888	2.854	6.6	20.5
10 8	23 5.00	− 8 22.1	1.937	2.841	10.4	20.7
10 18	23 0.85	− 9 10.3	2.008	2.828	13.6	20.9

67319 2000 HC_{57} 9 12.4 214°.10 2°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.33	− 8 33.9	1.822	2.697	13.3	20.0
8 19	23 42.19	− 9 30.1	1.749	2.692	9.8	19.8
8 29	23 34.98	−10 33.9	1.701	2.686	5.9	19.6
9 8	23 26.39	−11 38.9	1.678	2.680	2.9	19.4
9 18	23 17.30	−12 37.8	1.684	2.674	4.6	19.5
9 28	23 8.77	−13 24.1	1.716	2.667	8.5	19.7
10 8	23 1.75	−13 53.3	1.774	2.659	12.2	19.9
10 18	22 56.90	−14 3.9	1.853	2.651	15.4	20.1

275279 2010 AM_{107} 9 12.4 276°.20 5°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.23	+27 40.1	4.556	5.198	9.2	20.2
8 19	23 34.53	+28 0.9	4.453	5.190	8.3	20.1
8 29	23 29.95	+28 8.3	4.370	5.182	7.2	20.0
9 8	23 24.78	+28 1.7	4.309	5.175	6.3	19.9
9 18	23 19.37	+27 41.4	4.273	5.167	5.6	19.9
9 28	23 14.13	+27 8.5	4.264	5.160	5.5	19.9
10 8	23 9.44	+26 25.6	4.281	5.152	6.0	19.9
10 18	23 5.64	+25 35.6	4.324	5.144	6.9	19.9

479382 2013 YA_{4} 9 12.4 146°.95 7°.4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.10	−22 45.5	1.973	2.855	12.1	21.3
8 19	23 41.87	−24 25.4	1.929	2.862	9.6	21.1
8 29	23 34.68	−25 59.8	1.909	2.868	7.8	21.0
9 8	23 26.26	−27 19.9	1.916	2.874	7.6	21.0
9 18	23 17.51	−28 18.4	1.949	2.880	9.1	21.2
9 28	23 9.45	−28 51.1	2.007	2.886	11.5	21.3
10 8	23 2.93	−28 57.4	2.087	2.891	13.9	21.5
10 18	22 58.52	−28 39.5	2.186	2.895	16.0	21.7

400752 2009 WE_{218} 9 12.4 51°.03 0°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.98	+ 0 47.0	2.148	3.001	12.4	21.4
8 19	23 37.13	− 0 2.2	2.080	3.007	9.3	21.2
8 29	23 31.74	− 1 4.5	2.035	3.014	5.7	21.0
9 8	23 25.35	− 2 15.6	2.016	3.020	1.9	20.8
9 18	23 18.66	− 3 29.8	2.026	3.027	2.1	20.8
9 28	23 12.44	− 4 40.8	2.064	3.033	5.8	21.0
10 8	23 7.38	− 5 43.0	2.129	3.040	9.2	21.3
10 18	23 3.98	− 6 32.4	2.217	3.047	12.2	21.5

441238 2007 VF_{214} 9 12.4 74°.64 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.18	− 7 36.8	1.858	2.736	12.9	21.4
8 19	23 39.74	− 8 33.1	1.793	2.737	9.5	21.2
8 29	23 33.43	− 9 37.4	1.753	2.739	5.7	21.0
9 8	23 25.89	−10 43.2	1.738	2.741	2.5	20.8
9 18	23 17.98	−11 43.8	1.750	2.742	4.2	20.9
9 28	23 10.64	−12 32.7	1.790	2.744	8.0	21.1
10 8	23 4.72	−13 5.7	1.855	2.746	11.5	21.3
10 18	23 0.81	−13 20.9	1.941	2.747	14.6	21.6

183106 2002 RB_{121} 9 12.4 352°.63 5°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 37.26	+ 6 7.3	0.917	1.807	21.7	18.6
8 19	23 36.09	+ 6 39.4	0.855	1.796	17.4	18.2
8 29	23 31.92	+ 6 43.2	0.810	1.786	12.3	17.9
9 8	23 25.56	+ 6 18.9	0.783	1.779	7.3	17.6
9 18	23 18.34	+ 5 31.1	0.775	1.774	5.4	17.5
9 28	23 11.93	+ 4 30.0	0.788	1.771	9.4	17.7
10 8	23 7.83	+ 3 28.2	0.820	1.771	14.7	18.0
10 18	23 6.97	+ 2 36.6	0.870	1.772	19.6	18.3

477881 2011 HA_{80} 9 12.4 38°.09 1°.0/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.10	+ 2 48.7	1.329	2.199	17.5	20.8
8 19	23 38.64	+ 1 55.5	1.280	2.215	13.2	20.6
8 29	23 32.90	+ 0 40.9	1.251	2.232	8.3	20.4
9 8	23 25.74	− 0 48.3	1.245	2.249	3.1	20.1
9 18	23 18.24	− 2 22.6	1.265	2.266	2.7	20.2
9 28	23 11.60	− 3 51.6	1.310	2.285	7.7	20.5
10 8	23 6.79	− 5 6.3	1.379	2.304	12.2	20.8
10 18	23 4.40	− 6 1.5	1.469	2.323	16.0	21.1

74976 1999 TG_{232} 9 12.4 335°.51 6°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.74	−12 19.9	1.221	2.128	16.1	18.7
8 19	23 39.59	−14 2.7	1.163	2.121	12.0	18.5
8 29	23 33.75	−15 53.9	1.127	2.114	7.9	18.2
9 8	23 26.07	−17 40.8	1.114	2.108	6.1	18.1
9 18	23 17.75	−19 10.5	1.125	2.103	8.6	18.3
9 28	23 10.23	−20 12.5	1.159	2.098	12.9	18.5
10 8	23 4.75	−20 42.3	1.213	2.094	17.0	18.7
10 18	23 2.09	−20 40.1	1.285	2.090	20.6	19.0

365691 2010 VK_{106} 9 12.4 250°.16 4°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.45	−17 39.0	2.348	3.228	10.5	21.4
8 19	23 39.68	−18 39.5	2.280	3.220	8.0	21.2
8 29	23 33.30	−19 39.2	2.237	3.212	5.7	21.0
9 8	23 25.85	−20 32.3	2.221	3.203	4.8	21.0
9 18	23 18.05	−21 13.3	2.233	3.195	6.2	21.1
9 28	23 10.69	−21 37.9	2.272	3.187	8.7	21.2
10 8	23 4.52	−21 44.3	2.336	3.178	11.3	21.4
10 18	23 0.06	−21 32.6	2.420	3.169	13.6	21.5

433443 2013 TY_{132} 9 12.4 332°.27 0°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.04	− 3 10.3	1.096	1.993	18.4	21.0
8 19	23 40.17	− 3 23.0	1.023	1.975	13.9	20.7
8 29	23 34.34	− 3 52.3	0.970	1.959	8.6	20.4
9 8	23 26.32	− 4 32.9	0.937	1.943	2.6	20.0
9 18	23 17.37	− 5 16.9	0.927	1.928	3.7	20.0
9 28	23 9.11	− 5 55.1	0.940	1.915	9.8	20.3
10 8	23 3.02	− 6 19.1	0.973	1.903	15.4	20.6
10 18	23 0.06	− 6 24.3	1.025	1.893	20.2	20.8

103666 2000 CU_{49} 9 12.4 149°.45 2°.7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.58	+ 6 17.9	2.027	2.855	14.0	19.8
8 19	23 39.93	+ 6 4.1	1.951	2.858	10.9	19.6
8 29	23 33.52	+ 5 33.6	1.897	2.860	7.5	19.4
9 8	23 25.93	+ 4 48.5	1.869	2.863	4.0	19.2
9 18	23 17.95	+ 3 53.1	1.867	2.865	2.9	19.1
9 28	23 10.46	+ 2 53.0	1.894	2.867	5.9	19.3
10 8	23 4.27	+ 1 54.6	1.948	2.870	9.4	19.6
10 18	22 59.95	+ 1 3.4	2.026	2.871	12.5	19.8

476193 2007 US_{40} 9 12.4 341°.39 2°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.73	− 8 9.4	1.510	2.397	14.9	21.0
8 19	23 41.34	− 8 34.5	1.442	2.390	11.0	20.8
8 29	23 34.62	− 9 7.2	1.395	2.383	6.6	20.5
9 8	23 26.31	− 9 41.6	1.373	2.377	2.7	20.3
9 18	23 17.47	−10 11.2	1.376	2.372	4.4	20.4
9 28	23 9.30	−10 29.7	1.405	2.367	8.8	20.6
10 8	23 2.88	−10 33.2	1.457	2.363	13.1	20.9
10 18	22 58.91	−10 20.2	1.530	2.359	16.7	21.1

442458 2011 UP_{254} 9 12.4 338°.99 3°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.14	+ 7 54.2	1.581	2.425	16.5	20.8
8 19	23 37.17	+ 7 33.5	1.501	2.415	13.1	20.6
8 29	23 32.09	+ 6 49.2	1.441	2.406	9.2	20.3
9 8	23 25.54	+ 5 43.6	1.405	2.398	5.2	20.1
9 18	23 18.42	+ 4 22.2	1.393	2.391	3.6	20.0
9 28	23 11.81	+ 2 53.6	1.407	2.384	6.9	20.1
10 8	23 6.71	+ 1 27.3	1.446	2.378	11.1	20.4
10 18	23 3.81	+ 0 11.6	1.507	2.373	15.0	20.6

219271 2000 AO_{210} 9 12.4 232°.27 0°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.16	− 1 40.0	2.612	3.460	10.6	21.5
8 19	23 38.57	− 2 5.5	2.526	3.452	7.9	21.3
8 29	23 32.57	− 2 40.0	2.465	3.444	4.9	21.1
9 8	23 25.63	− 3 20.3	2.431	3.436	1.5	20.8
9 18	23 18.35	− 4 2.7	2.426	3.427	1.9	20.8
9 28	23 11.40	− 4 43.1	2.451	3.418	5.2	21.0
10 8	23 5.41	− 5 17.5	2.503	3.409	8.3	21.2
10 18	23 0.88	− 5 43.1	2.580	3.399	11.0	21.4

511267 2014 CE_{21} 9 12.4 191°.44 4°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.16	+ 8 10.4	2.133	2.938	14.1	21.8
8 19	23 44.07	+ 8 36.7	2.048	2.937	11.3	21.6
8 29	23 36.07	+ 8 47.6	1.986	2.935	8.2	21.4
9 8	23 26.75	+ 8 43.5	1.949	2.933	5.2	21.2
9 18	23 16.92	+ 8 26.1	1.941	2.931	4.1	21.1
9 28	23 7.54	+ 7 59.1	1.961	2.928	6.3	21.3
10 8	22 59.49	+ 7 27.7	2.008	2.924	9.4	21.5
10 18	22 53.43	+ 6 57.0	2.080	2.921	12.5	21.7

289508 2005 EJ_{153} 9 12.4 88°.19 9°.9/ 3.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.49	−32 45.2	1.959	2.816	13.2	20.9
8 19	23 47.16	−33 52.9	1.936	2.837	11.3	20.8
8 29	23 37.73	−34 44.8	1.937	2.859	10.1	20.8
9 8	23 27.16	−35 13.3	1.962	2.880	10.0	20.8
9 18	23 16.57	−35 14.1	2.012	2.901	11.1	20.9
9 28	23 7.09	−34 46.5	2.086	2.922	12.8	21.1
10 8	22 59.58	−33 53.5	2.180	2.942	14.7	21.3
10 18	22 54.53	−32 39.9	2.293	2.962	16.3	21.4

114591 2003 CS_{1} 9 12.4 312°.60 0°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.17	− 1 45.6	1.322	2.202	17.0	19.9
8 19	23 41.44	− 1 58.1	1.238	2.181	12.9	19.6
8 29	23 35.00	− 2 26.6	1.175	2.160	8.1	19.3
9 8	23 26.54	− 3 7.0	1.134	2.139	2.6	18.9
9 18	23 17.15	− 3 53.0	1.117	2.119	3.2	18.9
9 28	23 8.27	− 4 36.2	1.125	2.099	8.8	19.2
10 8	23 1.25	− 5 8.9	1.156	2.080	14.1	19.4
10 18	22 57.05	− 5 25.8	1.206	2.062	18.6	19.6

207490 2006 HC_{54} 9 12.4 76°.85 0°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.93	− 3 35.6	1.267	2.144	17.8	20.2
8 19	23 45.96	− 3 56.9	1.222	2.163	13.1	20.0
8 29	23 37.34	− 4 31.3	1.197	2.182	7.9	19.7
9 8	23 27.12	− 5 12.4	1.196	2.201	2.3	19.5
9 18	23 16.62	− 5 52.8	1.220	2.220	3.4	19.6
9 28	23 7.25	− 6 25.3	1.270	2.239	8.7	20.0
10 8	23 0.15	− 6 44.5	1.343	2.258	13.3	20.3
10 18	22 55.92	− 6 48.3	1.437	2.276	17.1	20.6

353357 2010 WD_{2} 9 12.4 312°.93 0°.1/12.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.97	− 3 0.7	4.018	4.867	7.2	21.4
8 19	23 33.58	− 3 25.2	3.933	4.860	5.3	21.2
8 29	23 29.37	− 3 54.8	3.873	4.853	3.2	21.1
9 8	23 24.63	− 4 27.4	3.842	4.847	1.0	20.9
9 18	23 19.70	− 5 0.9	3.841	4.840	1.3	20.9
9 28	23 14.97	− 5 32.5	3.869	4.834	3.6	21.1
10 8	23 10.81	− 6 0.1	3.926	4.828	5.7	21.2
10 18	23 7.52	− 6 21.7	4.009	4.821	7.5	21.4

195350 2002 EA_{155} 9 12.4 102°.51 3°.2/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.38	− 9 3.9	1.790	2.670	13.2	20.2
8 19	23 40.62	−10 17.9	1.737	2.682	9.6	20.0
8 29	23 33.94	−11 38.5	1.708	2.694	5.8	19.8
9 8	23 26.07	−12 58.1	1.705	2.705	3.2	19.6
9 18	23 17.90	−14 8.9	1.730	2.717	5.0	19.8
9 28	23 10.40	−15 4.4	1.782	2.728	8.6	20.0
10 8	23 4.43	−15 40.7	1.858	2.739	12.0	20.3
10 18	23 0.54	−15 56.8	1.956	2.749	14.9	20.5

22012 1999 XO_{82} 9 12.4 229°.45 1°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.56	−11 14.3	4.750	5.616	5.9	19.4
8 19	23 33.17	−11 47.2	4.673	5.611	4.3	19.3
8 29	23 29.07	−12 21.5	4.623	5.605	2.6	19.1
9 8	23 24.53	−12 55.1	4.602	5.600	1.5	19.1
9 18	23 19.84	−13 25.9	4.610	5.595	2.3	19.1
9 28	23 15.32	−13 51.7	4.649	5.589	3.9	19.2
10 8	23 11.29	−14 11.0	4.715	5.583	5.5	19.3
10 18	23 8.01	−14 22.8	4.807	5.578	7.0	19.5

331888 2004 EN_{95} 9 12.4 128°.22 2°.0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.10	+ 4 5.7	1.855	2.691	14.8	21.5
8 19	23 42.58	+ 3 43.0	1.790	2.705	11.3	21.3
8 29	23 35.13	+ 3 3.8	1.748	2.718	7.4	21.1
9 8	23 26.45	+ 2 11.5	1.732	2.731	3.4	20.9
9 18	23 17.42	+ 1 11.3	1.743	2.743	2.6	20.9
9 28	23 9.06	+ 0 9.8	1.782	2.754	6.3	21.1
10 8	23 2.22	− 0 46.4	1.848	2.765	10.0	21.4
10 18	22 57.48	− 1 32.4	1.938	2.776	13.3	21.6

344968 2004 XT_{31} 9 12.4 325°.75 13°.3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.96	+30 7.4	1.810	2.491	20.4	20.1
8 19	23 43.25	+31 41.5	1.729	2.487	18.6	19.9
8 29	23 36.00	+32 46.9	1.663	2.483	16.7	19.8
9 8	23 26.84	+33 17.6	1.616	2.479	14.9	19.6
9 18	23 16.78	+33 10.1	1.588	2.475	13.7	19.6
9 28	23 7.14	+32 25.5	1.582	2.472	13.4	19.5
10 8	22 59.18	+31 10.6	1.597	2.469	14.1	19.6
10 18	22 53.82	+29 35.6	1.633	2.466	15.7	19.7

265212 2004 CE 9 12.4 300°.37 3°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.65	−12 57.6	1.359	2.232	17.0	19.7
8 19	23 54.16	−12 32.7	1.262	2.201	13.0	19.4
8 29	23 43.07	−12 5.3	1.185	2.168	8.3	19.0
9 8	23 29.15	−11 29.6	1.134	2.136	3.8	18.7
9 18	23 13.79	−10 40.7	1.109	2.104	5.4	18.7
9 28	22 58.91	− 9 35.8	1.112	2.071	10.9	18.9
10 8	22 46.33	− 8 15.5	1.139	2.039	16.3	19.1
10 18	22 37.31	− 6 42.5	1.187	2.008	21.1	19.3

51836 2001 OH_{56} 9 12.4 277°.02 2°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.28	−11 28.2	2.503	3.373	10.3	19.1
8 19	23 40.12	−11 52.6	2.433	3.372	7.6	18.9
8 29	23 33.50	−12 19.3	2.388	3.371	4.7	18.7
9 8	23 25.93	−12 44.1	2.371	3.371	2.5	18.6
9 18	23 18.09	−13 3.2	2.382	3.370	3.8	18.7
9 28	23 10.70	−13 13.2	2.422	3.369	6.6	18.9
10 8	23 4.41	−13 12.2	2.489	3.368	9.4	19.0
10 18	22 59.72	−12 59.3	2.579	3.368	11.9	19.2

162811 2001 AG_{51} 9 12.4 289°.94 0°.7/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.13	+ 1 0.4	4.245	5.076	7.2	20.2
8 19	23 33.66	+ 0 44.8	4.158	5.072	5.4	20.1
8 29	23 29.40	+ 0 22.9	4.096	5.068	3.5	19.9
9 8	23 24.65	− 0 3.5	4.063	5.064	1.4	19.8
9 18	23 19.72	− 0 32.6	4.060	5.060	1.2	19.7
9 28	23 14.98	− 1 2.0	4.086	5.056	3.2	19.9
10 8	23 10.77	− 1 29.6	4.142	5.052	5.2	20.0
10 18	23 7.40	− 1 53.3	4.224	5.048	6.9	20.2

315027 2007 BT_{69} 9 12.4 242°.52 0°.7/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.78	− 0 8.0	2.370	3.214	11.7	22.3
8 19	23 39.93	− 0 21.8	2.284	3.206	8.8	22.1
8 29	23 33.49	− 0 46.0	2.221	3.197	5.6	21.9
9 8	23 25.98	− 1 17.7	2.186	3.189	2.1	21.7
9 18	23 18.06	− 1 53.4	2.179	3.179	1.9	21.6
9 28	23 10.52	− 2 28.8	2.201	3.170	5.5	21.9
10 8	23 4.06	− 2 59.5	2.250	3.161	8.8	22.1
10 18	22 59.23	− 3 22.3	2.324	3.151	11.8	22.2

30349 2000 JV_{38} 9 12.4 137°.24 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.74	−15 47.2	2.204	3.079	11.3	19.7
8 19	23 42.07	−16 36.6	2.149	3.088	8.4	19.5
8 29	23 34.72	−17 25.5	2.118	3.096	5.6	19.3
9 8	23 26.33	−18 8.2	2.114	3.103	4.3	19.3
9 18	23 17.68	−18 39.5	2.139	3.111	5.7	19.4
9 28	23 9.64	−18 55.6	2.191	3.118	8.4	19.6
10 8	23 2.95	−18 54.9	2.269	3.125	11.1	19.7
10 18	22 58.13	−18 37.8	2.368	3.131	13.5	19.9

508082 2015 DB_{64} 9 12.4 75°.78 2°.0/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.63	− 5 40.9	1.488	2.367	15.5	21.2
8 19	23 42.51	− 6 34.7	1.441	2.385	11.3	21.0
8 29	23 35.17	− 7 38.7	1.417	2.404	6.7	20.8
9 8	23 26.49	− 8 45.4	1.418	2.422	2.4	20.5
9 18	23 17.53	− 9 46.8	1.445	2.440	4.1	20.7
9 28	23 9.47	−10 35.5	1.498	2.458	8.5	21.0
10 8	23 3.27	−11 7.1	1.575	2.476	12.5	21.3
10 18	22 59.48	−11 19.8	1.674	2.494	15.9	21.6

59506 1999 JD_{11} 9 12.4 172°.25 0°.5/12.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.54	+ 0 34.6	1.831	2.685	14.2	18.9
8 19	23 40.83	− 0 2.8	1.759	2.687	10.7	18.6
8 29	23 34.17	− 0 55.0	1.709	2.688	6.6	18.4
9 8	23 26.21	− 1 57.5	1.685	2.689	2.3	18.1
9 18	23 17.82	− 3 4.4	1.689	2.690	2.3	18.1
9 28	23 9.98	− 4 8.6	1.720	2.690	6.7	18.4
10 8	23 3.59	− 5 3.7	1.778	2.691	10.6	18.7
10 18	22 59.26	− 5 45.3	1.858	2.690	14.1	18.9

180177 2003 JR_{1} 9 12.4 66°.33 0°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.23	+ 0 38.9	2.004	2.857	13.1	20.3
8 19	23 38.81	− 0 6.3	1.950	2.878	9.8	20.1
8 29	23 32.76	− 1 4.3	1.920	2.899	6.0	19.9
9 8	23 25.73	− 2 10.5	1.916	2.920	2.0	19.7
9 18	23 18.49	− 3 18.9	1.940	2.941	2.1	19.7
9 28	23 11.85	− 4 23.4	1.992	2.962	6.0	20.0
10 8	23 6.51	− 5 18.5	2.070	2.982	9.4	20.3
10 18	23 2.97	− 6 0.6	2.173	3.003	12.4	20.5

220832 2004 TJ_{360} 9 12.4 4°.13 3°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.38	+10 10.2	2.266	3.071	13.4	20.1
8 19	23 38.22	+10 3.8	2.184	3.071	10.8	19.9
8 29	23 32.48	+ 9 39.8	2.124	3.071	7.8	19.7
9 8	23 25.68	+ 8 59.7	2.089	3.072	5.0	19.6
9 18	23 18.51	+ 8 6.5	2.081	3.072	3.8	19.5
9 28	23 11.74	+ 7 5.2	2.101	3.072	5.6	19.6
10 8	23 6.10	+ 6 1.8	2.148	3.072	8.5	19.8
10 18	23 2.11	+ 5 1.9	2.220	3.072	11.4	20.0

470770 2008 UR_{244} 9 12.4 331°.62 12°.0/23.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.55	+24 23.0	1.533	2.282	21.1	20.3
8 19	23 40.15	+25 34.8	1.451	2.271	18.8	20.0
8 29	23 34.20	+26 16.1	1.384	2.261	16.3	19.9
9 8	23 26.34	+26 21.3	1.335	2.251	13.9	19.7
9 18	23 17.60	+25 48.1	1.306	2.242	12.3	19.6
9 28	23 9.31	+24 39.4	1.300	2.234	12.2	19.5
10 8	23 2.77	+23 4.5	1.315	2.226	13.8	19.6
10 18	22 58.91	+21 15.2	1.351	2.219	16.2	19.8

456967 2008 AD_{97} 9 12.4 210°.81 3°.7/ 6.3 18

8 9	23 40.28	−17 51.4	3.226	4.102	8.0	21.3
8 19	23 36.23	−18 47.7	3.163	4.100	6.1	21.1
8 29	23 31.08	−19 43.1	3.126	4.099	4.3	21.0
9 8	23 25.22	−20 33.4	3.118	4.097	3.8	21.0
9 18	23 19.14	−21 14.7	3.138	4.095	4.9	21.1
9 28	23 13.37	−21 44.1	3.186	4.094	6.7	21.2
10 8	23 8.41	−21 59.9	3.259	4.092	8.7	21.3
10 18	23 4.64	−22 1.7	3.356	4.090	10.4	21.5

73062 2002 FE_{10} 9 12.4 73°.89 2°.7/14.5 18

8 9	23 49.04	+ 4 15.4	1.328	2.183	18.4	19.4
8 19	23 43.87	+ 4 8.4	1.275	2.199	14.2	19.1
8 29	23 36.16	+ 3 40.2	1.242	2.215	9.4	18.9
9 8	23 26.85	+ 2 54.5	1.231	2.231	4.5	18.7
9 18	23 17.14	+ 1 57.7	1.246	2.246	3.3	18.7
9 28	23 8.39	+ 0 58.5	1.287	2.262	7.7	19.0
10 8	23 1.71	+ 0 5.1	1.351	2.278	12.2	19.3
10 18	22 57.75	− 0 36.3	1.437	2.294	16.1	19.6

262538 2006 VF 9 12.4 264°.08 0°.6/11.9 18

8 9	23 48.72	− 3 47.3	1.569	2.439	15.3	20.6
8 19	23 43.63	− 4 8.1	1.490	2.428	11.5	20.3
8 29	23 36.12	− 4 40.9	1.432	2.416	7.0	20.0
9 8	23 26.89	− 5 20.9	1.399	2.405	2.1	19.7
9 18	23 16.98	− 6 1.9	1.393	2.393	3.2	19.7
9 28	23 7.64	− 6 37.2	1.413	2.381	8.1	20.0
10 8	23 0.02	− 7 1.1	1.458	2.369	12.7	20.2
10 18	22 54.91	− 7 10.2	1.524	2.356	16.6	20.5

145983 2000 AH_{162} 9 12.4 229°.37 1°.0/13.3 18

8 9	23 48.21	+ 0 37.2	1.725	2.578	14.9	20.5
8 19	23 43.03	+ 0 21.5	1.645	2.571	11.4	20.2
8 29	23 35.65	− 0 8.9	1.586	2.564	7.2	20.0
9 8	23 26.73	− 0 50.6	1.553	2.556	2.7	19.7
9 18	23 17.21	− 1 38.6	1.547	2.548	2.5	19.7
9 28	23 8.23	− 2 26.2	1.568	2.539	7.1	19.9
10 8	23 0.80	− 3 7.1	1.614	2.530	11.3	20.2
10 18	22 55.67	− 3 36.6	1.684	2.521	15.1	20.4

195358 2002 FH_{10} 9 12.4 107°.51 2°.2/10.2 18

8 9	23 48.81	− 8 20.2	1.990	2.858	12.6	20.4
8 19	23 42.91	− 9 4.0	1.940	2.878	9.2	20.2
8 29	23 35.24	− 9 53.1	1.914	2.898	5.5	20.1
9 8	23 26.51	−10 41.9	1.915	2.917	2.4	19.9
9 18	23 17.58	−11 24.9	1.944	2.936	3.9	20.0
9 28	23 9.37	−11 57.1	2.002	2.954	7.3	20.3
10 8	23 2.64	−12 15.6	2.086	2.972	10.6	20.5
10 18	22 57.89	−12 19.3	2.192	2.989	13.4	20.8

353620 2011 UX_{39} 9 12.4 349°.39 1°.8/14.0 16

8 9	23 43.09	+ 2 43.3	1.631	2.488	15.4	20.7
8 19	23 39.27	+ 2 28.5	1.557	2.484	11.9	20.5
8 29	23 33.35	+ 1 56.4	1.505	2.481	7.7	20.2
9 8	23 26.01	+ 1 10.4	1.477	2.478	3.4	19.9
9 18	23 18.15	+ 0 15.7	1.474	2.475	2.6	19.9
9 28	23 10.85	− 0 40.6	1.498	2.474	6.9	20.2
10 8	23 5.09	− 1 31.3	1.547	2.472	11.1	20.4
10 18	23 1.53	− 2 10.9	1.618	2.472	14.8	20.6

482768 2013 GN_{73} 9 12.4 194°.51 3°.1/ 8.5 18

8 9	23 44.55	−12 47.9	2.559	3.431	10.0	21.6
8 19	23 39.62	−13 38.8	2.489	3.429	7.4	21.4
8 29	23 33.24	−14 31.9	2.446	3.427	4.7	21.2
9 8	23 25.92	−15 22.3	2.430	3.425	3.1	21.1
9 18	23 18.29	−16 5.2	2.442	3.422	4.5	21.2
9 28	23 11.08	−16 36.6	2.484	3.418	7.1	21.4
10 8	23 4.93	−16 54.0	2.551	3.415	9.8	21.5
10 18	23 0.34	−16 56.6	2.642	3.411	12.1	21.7

138894 2000 YW_{67} 9 12.4 261°.81 3°.6/15.2 18

8 9	23 48.56	+ 6 12.5	1.647	2.481	16.4	19.9
8 19	23 43.60	+ 6 18.7	1.553	2.463	13.0	19.7
8 29	23 36.19	+ 6 5.6	1.480	2.444	9.1	19.4
9 8	23 26.97	+ 5 34.0	1.431	2.425	5.1	19.1
9 18	23 16.90	+ 4 47.3	1.408	2.405	3.9	19.0
9 28	23 7.21	+ 3 51.7	1.412	2.385	7.4	19.2
10 8	22 59.09	+ 2 55.3	1.441	2.365	11.8	19.4
10 18	22 53.44	+ 2 5.2	1.492	2.344	15.9	19.6

389122 2008 YV_{119} 9 12.4 273°.42 0°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.82	− 2 27.6	1.805	2.669	13.9	21.8
8 19	23 41.12	− 2 52.9	1.730	2.665	10.4	21.6
8 29	23 34.41	− 3 30.0	1.678	2.660	6.3	21.3
9 8	23 26.34	− 4 14.6	1.651	2.656	1.9	21.0
9 18	23 17.80	− 5 1.1	1.651	2.652	2.6	21.1
9 28	23 9.79	− 5 43.3	1.679	2.647	7.0	21.4
10 8	23 3.24	− 6 16.0	1.732	2.643	11.0	21.6
10 18	22 58.79	− 6 35.7	1.808	2.639	14.5	21.8

407165 2009 UN_{30} 9 12.4 303°.02 6°.8/ 5.2 17

8 9	23 47.47	−23 14.2	2.135	3.013	11.5	21.0
8 19	23 42.28	−24 7.5	2.056	2.988	9.2	20.9
8 29	23 35.11	−24 56.2	2.001	2.963	7.3	20.7
9 8	23 26.57	−25 33.1	1.972	2.938	6.9	20.6
9 18	23 17.51	−25 52.2	1.970	2.913	8.3	20.7
9 28	23 8.91	−25 49.5	1.993	2.888	10.8	20.8
10 8	23 1.69	−25 24.1	2.039	2.864	13.4	20.9
10 18	22 56.52	−24 37.5	2.105	2.839	15.8	21.0

285248 1998 DZ_6 9 12.4 141°.12 0°.5/12.9 18

8 9	23 46.15	+ 1 32.6	1.557	2.416	16.0	20.9
8 19	23 41.56	+ 0 36.7	1.491	2.422	12.0	20.7
8 29	23 34.74	− 0 38.1	1.447	2.427	7.5	20.5
9 8	23 26.45	− 2 6.0	1.429	2.433	2.5	20.2
9 18	23 17.70	− 3 38.4	1.437	2.438	2.7	20.2
9 28	23 9.65	− 5 5.9	1.472	2.442	7.5	20.5
10 8	23 3.30	− 6 20.3	1.532	2.447	11.9	20.8
10 18	22 59.30	− 7 16.3	1.614	2.451	15.6	21.0

221805 2008 CE_{126} 9 12.4 80°.81 3°.2/14.9 17

8 9	23 50.14	+ 5 11.8	1.459	2.302	17.7	20.4
8 19	23 44.51	+ 5 16.1	1.404	2.320	13.7	20.2
8 29	23 36.49	+ 5 0.5	1.370	2.338	9.2	19.9
9 8	23 26.98	+ 4 27.5	1.360	2.356	4.8	19.7
9 18	23 17.11	+ 3 42.4	1.375	2.373	3.6	19.7
9 28	23 8.15	+ 2 52.2	1.417	2.391	7.3	20.0
10 8	23 1.13	+ 2 4.9	1.483	2.408	11.5	20.3
10 18	22 56.69	+ 1 26.2	1.572	2.425	15.1	20.5

518348 2017 DS_4 9 12.4 294°.97 3°.9/ 7.2 17

8 9	23 40.86	−12 21.9	2.240	3.124	10.8	21.3
8 19	23 37.18	−13 50.1	2.168	3.114	7.9	21.1
8 29	23 31.90	−15 23.1	2.121	3.104	5.2	20.9
9 8	23 25.56	−16 54.0	2.102	3.095	3.9	20.8
9 18	23 18.82	−18 15.8	2.112	3.085	5.6	20.9
9 28	23 12.47	−19 22.2	2.148	3.076	8.5	21.1
10 8	23 7.22	−20 9.6	2.210	3.067	11.3	21.3
10 18	23 3.63	−20 36.4	2.293	3.057	13.9	21.4

9818 Eurymachos 9 12.4 232°.35 0°.9/10.7 18

8 9	23 37.79	− 7 46.5	4.355	5.213	6.5	18.3
8 19	23 34.14	− 8 8.4	4.279	5.213	4.7	18.1
8 29	23 29.72	− 8 33.0	4.230	5.213	2.8	18.0
9 8	23 24.82	− 8 58.3	4.209	5.213	1.1	17.9
9 18	23 19.78	− 9 22.1	4.218	5.212	1.8	17.9
9 28	23 14.94	− 9 42.3	4.258	5.212	3.7	18.1
10 8	23 10.64	− 9 57.2	4.326	5.212	5.6	18.2
10 18	23 7.17	−10 5.5	4.419	5.212	7.2	18.3

146056 2000 EP_{123} 9 12.4 214°.93 1°.2/11.3 18

8 9	23 47.02	− 4 9.0	1.807	2.673	13.8	20.8
8 19	23 42.04	− 4 57.9	1.731	2.668	10.2	20.6
8 29	23 35.00	− 5 58.6	1.678	2.662	6.1	20.3
9 8	23 26.55	− 7 5.2	1.651	2.656	1.9	20.0
9 18	23 17.58	− 8 11.1	1.651	2.649	3.3	20.1
9 28	23 9.14	− 9 9.0	1.680	2.641	7.7	20.4
10 8	23 2.18	− 9 53.2	1.733	2.633	11.7	20.6
10 18	22 57.38	−10 20.5	1.809	2.625	15.1	20.8

117624 2005 EX_{117} 9 12.4 201°.64 4°.7/17.5 18

8 9	23 47.35	+12 21.2	2.378	3.160	13.5	20.7
8 19	23 41.92	+12 37.1	2.288	3.156	11.1	20.5
8 29	23 34.78	+12 36.0	2.219	3.151	8.4	20.3
9 8	23 26.47	+12 18.0	2.175	3.146	5.9	20.1
9 18	23 17.68	+11 44.6	2.159	3.141	4.7	20.1
9 28	23 9.26	+10 59.6	2.172	3.135	6.1	20.1
10 8	23 1.97	+10 8.5	2.212	3.128	8.7	20.3
10 18	22 56.43	+ 9 17.0	2.277	3.121	11.4	20.5

387390 2013 AG_{133} 9 12.4 307°.24 1°.7/ 9.1 17

8 9	23 37.10	−10 51.5	4.007	4.876	6.8	20.7
8 19	23 33.73	−11 30.4	3.930	4.869	4.9	20.5
8 29	23 29.52	−12 11.4	3.879	4.863	3.0	20.4
9 8	23 24.78	−12 51.8	3.857	4.856	1.7	20.3
9 18	23 19.84	−13 28.9	3.865	4.850	2.6	20.3
9 28	23 15.12	−14 0.1	3.902	4.843	4.5	20.5
10 8	23 10.98	−14 23.4	3.966	4.837	6.4	20.6
10 18	23 7.72	−14 37.7	4.056	4.831	8.1	20.7

52664 1998 BA_{21} 9 12.4 4°.71 1°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.40	− 5 26.0	1.756	2.633	13.6	19.1
8 19	23 39.32	− 6 10.2	1.690	2.633	10.0	18.9
8 29	23 33.30	− 7 4.4	1.647	2.633	6.0	18.7
9 8	23 26.01	− 8 2.8	1.629	2.634	2.0	18.4
9 18	23 18.31	− 8 58.7	1.638	2.635	3.5	18.5
9 28	23 11.19	− 9 45.5	1.674	2.636	7.6	18.8
10 8	23 5.52	−10 18.5	1.735	2.638	11.5	19.0
10 18	23 1.92	−10 35.0	1.817	2.640	14.7	19.2

42737 1998 RJ_{45} 9 12.4 305°.27 0°.8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.09	+ 0 15.7	2.164	3.015	12.4	18.9
8 19	23 38.83	− 0 3.9	2.082	3.008	9.4	18.7
8 29	23 32.92	− 0 35.4	2.024	3.001	5.9	18.5
9 8	23 25.89	− 1 15.5	1.991	2.994	2.2	18.2
9 18	23 18.45	− 2 0.2	1.986	2.988	2.0	18.2
9 28	23 11.41	− 2 44.2	2.010	2.981	5.8	18.4
10 8	23 5.53	− 3 22.6	2.060	2.975	9.3	18.7
10 18	23 1.38	− 3 51.7	2.134	2.969	12.4	18.8

229901 2009 VD_{61} 9 12.4 313°.51 1°.5/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.27	+ 2 26.4	2.212	3.055	12.4	20.9
8 19	23 38.21	+ 2 10.9	2.127	3.046	9.5	20.7
8 29	23 32.54	+ 1 42.3	2.065	3.038	6.2	20.5
9 8	23 25.77	+ 1 3.4	2.029	3.029	2.7	20.2
9 18	23 18.59	+ 0 17.9	2.020	3.021	2.1	20.2
9 28	23 11.78	− 0 29.2	2.040	3.013	5.5	20.4
10 8	23 6.08	− 1 12.7	2.086	3.005	9.0	20.6
10 18	23 2.05	− 1 48.4	2.157	2.997	12.1	20.8

478850 2012 VH_{61} 9 12.4 339°.91 2°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	− 7 29.3	1.430	2.320	15.3	20.7
8 19	23 40.71	− 8 7.5	1.363	2.313	11.3	20.5
8 29	23 34.37	− 8 55.3	1.317	2.306	6.8	20.2
9 8	23 26.39	− 9 45.9	1.295	2.299	2.8	20.0
9 18	23 17.83	−10 31.7	1.298	2.293	4.6	20.1
9 28	23 9.95	−11 5.2	1.326	2.288	9.2	20.3
10 8	23 3.86	−11 21.5	1.378	2.284	13.6	20.6
10 18	23 0.29	−11 18.7	1.449	2.280	17.4	20.8

337162 1999 UE_{23} 9 12.4 236°.48 7°.3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.10	+25 30.7	2.665	3.351	14.3	22.1
8 19	23 40.28	+25 24.2	2.552	3.334	12.7	21.9
8 29	23 33.81	+24 53.6	2.457	3.315	10.7	21.7
9 8	23 26.18	+23 57.5	2.385	3.296	8.8	21.6
9 18	23 18.05	+22 36.5	2.339	3.276	7.5	21.5
9 28	23 10.19	+20 54.4	2.320	3.255	7.5	21.4
10 8	23 3.38	+18 57.8	2.330	3.234	8.9	21.5
10 18	22 58.19	+16 54.9	2.367	3.211	11.0	21.6

359527 2010 RL_{93} 9 12.4 324°.78 3°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.92	+ 8 43.5	2.033	2.854	14.2	20.7
8 19	23 38.07	+ 8 20.8	1.952	2.851	11.3	20.5
8 29	23 32.50	+ 7 38.7	1.892	2.849	8.0	20.3
9 8	23 25.77	+ 6 39.5	1.857	2.847	4.7	20.1
9 18	23 18.62	+ 5 27.5	1.849	2.845	3.3	20.0
9 28	23 11.91	+ 4 9.0	1.869	2.843	5.8	20.2
10 8	23 6.42	+ 2 51.5	1.915	2.841	9.2	20.4
10 18	23 2.74	+ 1 41.2	1.986	2.839	12.4	20.6

295926 2008 WV_{137} 9 12.4 314°.11 9°.4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.22	−23 24.0	1.491	2.388	14.4	19.4
8 19	23 41.32	−25 4.3	1.429	2.370	11.6	19.2
8 29	23 34.85	−26 40.2	1.389	2.352	9.7	19.0
9 8	23 26.58	−27 59.7	1.373	2.334	9.6	19.0
9 18	23 17.62	−28 52.8	1.380	2.317	11.6	19.0
9 28	23 9.35	−29 12.8	1.409	2.300	14.6	19.2
10 8	23 2.96	−28 58.7	1.458	2.284	17.7	19.3
10 18	22 59.25	−28 13.5	1.523	2.269	20.5	19.5

39270 2001 AH_{11} 9 12.4 249°.86 1°.1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.61	+ 3 58.9	4.539	5.356	7.0	19.5
8 19	23 33.28	+ 3 42.9	4.448	5.351	5.4	19.4
8 29	23 29.23	+ 3 20.0	4.383	5.346	3.6	19.3
9 8	23 24.70	+ 2 51.6	4.345	5.341	1.8	19.2
9 18	23 20.01	+ 2 19.4	4.337	5.336	1.3	19.1
9 28	23 15.49	+ 1 45.6	4.360	5.331	2.9	19.2
10 8	23 11.46	+ 1 12.4	4.411	5.326	4.8	19.4
10 18	23 8.20	+ 0 42.0	4.490	5.321	6.4	19.5

223172 2002 YN_{14} 9 12.4 271°.82 0°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.34	− 3 26.2	1.598	2.470	15.0	20.8
8 19	23 41.84	− 4 4.1	1.519	2.458	11.2	20.6
8 29	23 35.04	− 4 55.3	1.462	2.447	6.8	20.3
9 8	23 26.63	− 5 54.6	1.430	2.435	2.1	19.9
9 18	23 17.56	− 6 54.9	1.424	2.423	3.3	20.0
9 28	23 9.03	− 7 48.2	1.444	2.411	8.1	20.3
10 8	23 2.12	− 8 28.4	1.489	2.399	12.6	20.5
10 18	22 57.60	− 8 51.4	1.556	2.387	16.4	20.7

334361 2001 YN_{161} 9 12.4 160°.85 1°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.05	− 1 12.0	1.790	2.639	14.6	20.3
8 19	23 45.73	− 0 58.1	1.717	2.641	11.1	20.1
8 29	23 37.22	− 0 54.8	1.667	2.643	7.0	19.8
9 8	23 27.26	− 0 59.6	1.642	2.645	2.6	19.6
9 18	23 16.82	− 1 9.1	1.646	2.646	2.5	19.6
9 28	23 7.02	− 1 19.0	1.677	2.648	6.8	19.8
10 8	22 58.86	− 1 25.0	1.735	2.649	10.8	20.1
10 18	22 53.02	− 1 24.1	1.816	2.650	14.3	20.3

381397 2008 GH_{78} 9 12.4 153°.83 5°.6/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.90	−15 13.0	1.576	2.464	14.2	20.8
8 19	23 43.62	−16 21.8	1.520	2.466	10.7	20.5
8 29	23 36.01	−17 32.0	1.487	2.468	7.2	20.4
9 8	23 26.88	−18 34.5	1.480	2.470	5.6	20.3
9 18	23 17.32	−19 21.2	1.498	2.472	7.4	20.4
9 28	23 8.56	−19 46.1	1.542	2.473	10.9	20.6
10 8	23 1.63	−19 47.2	1.608	2.475	14.3	20.8
10 18	22 57.20	−19 25.6	1.695	2.476	17.4	21.0

133992 2004 UN_{4} 9 12.4 194°.40 3°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.52	+ 4 19.6	1.970	2.793	14.5	19.7
8 19	23 46.00	+ 4 51.5	1.888	2.792	11.4	19.5
8 29	23 37.39	+ 5 10.3	1.829	2.791	7.8	19.3
9 8	23 27.32	+ 5 16.6	1.796	2.789	4.4	19.1
9 18	23 16.72	+ 5 12.3	1.791	2.787	3.4	19.0
9 28	23 6.63	+ 5 0.9	1.815	2.784	6.4	19.2
10 8	22 58.03	+ 4 47.0	1.866	2.781	10.1	19.4
10 18	22 51.60	+ 4 35.1	1.941	2.778	13.3	19.6

432603 2010 TX_{103} 9 12.4 317°.34 3°.7/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.57	− 9 5.1	1.119	2.022	17.6	21.5
8 19	23 42.24	− 9 42.8	1.042	1.998	13.2	21.2
8 29	23 35.79	−10 31.7	0.984	1.975	8.2	20.8
9 8	23 26.97	−11 23.3	0.948	1.952	3.9	20.5
9 18	23 17.07	−12 7.6	0.935	1.929	6.2	20.6
9 28	23 7.78	−12 34.7	0.944	1.908	11.8	20.8
10 8	23 0.70	−12 38.3	0.974	1.888	17.2	21.0
10 18	22 56.88	−12 16.6	1.021	1.868	21.9	21.3

447041 2004 RV_{57} 9 12.4 32°.89 3°.3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.54	+ 4 45.7	1.648	2.492	16.0	20.0
8 19	23 41.65	+ 5 7.3	1.592	2.507	12.4	19.8
8 29	23 34.70	+ 5 12.2	1.557	2.523	8.5	19.7
9 8	23 26.46	+ 5 2.0	1.546	2.540	4.7	19.5
9 18	23 17.88	+ 4 40.2	1.561	2.558	3.5	19.4
9 28	23 10.05	+ 4 12.1	1.602	2.576	6.6	19.7
10 8	23 3.85	+ 3 43.7	1.668	2.595	10.3	19.9
10 18	22 59.89	+ 3 20.1	1.758	2.614	13.6	20.2

487255 2014 PL_{33} 9 12.4 2°.20 0°.9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.71	− 6 1.8	2.269	3.131	11.5	21.0
8 19	23 40.63	− 6 14.9	2.196	3.131	8.5	20.8
8 29	23 33.94	− 6 34.1	2.147	3.131	5.1	20.6
9 8	23 26.21	− 6 55.9	2.126	3.131	1.6	20.3
9 18	23 18.15	− 7 16.5	2.133	3.131	2.6	20.4
9 28	23 10.57	− 7 31.9	2.169	3.131	6.1	20.6
10 8	23 4.18	− 7 39.2	2.231	3.132	9.4	20.8
10 18	22 59.50	− 7 36.6	2.317	3.132	12.2	21.0

195277 2002 EA_{68} 9 12.4 260°.66 0°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.23	− 1 36.7	1.910	2.765	13.6	21.3
8 19	23 42.25	− 2 0.5	1.817	2.747	10.3	21.0
8 29	23 35.20	− 2 36.6	1.748	2.728	6.4	20.8
9 8	23 26.68	− 3 21.5	1.705	2.709	2.0	20.5
9 18	23 17.50	− 4 10.1	1.689	2.690	2.5	20.5
9 28	23 8.71	− 4 56.1	1.701	2.670	6.9	20.7
10 8	23 1.26	− 5 34.0	1.740	2.649	11.1	20.9
10 18	22 55.89	− 5 59.6	1.801	2.628	14.7	21.1

147186 2002 VG_{80} 9 12.4 302°.10 1°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.72	− 4 5.4	1.425	2.307	15.8	20.0
8 19	23 40.86	− 4 54.7	1.350	2.296	11.8	19.8
8 29	23 34.54	− 5 58.9	1.297	2.284	7.1	19.5
9 8	23 26.49	− 7 11.3	1.268	2.273	2.3	19.2
9 18	23 17.76	− 8 23.3	1.264	2.262	4.0	19.2
9 28	23 9.63	− 9 25.6	1.286	2.252	9.0	19.5
10 8	23 3.26	−10 10.9	1.331	2.241	13.7	19.8
10 18	22 59.45	−10 35.4	1.396	2.231	17.7	20.0

337318 2001 BM_{27} 9 12.4 279°.62 2°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.35	− 7 0.5	1.797	2.675	13.3	20.7
8 19	23 40.24	− 8 7.7	1.709	2.653	9.8	20.4
8 29	23 34.04	− 9 26.4	1.645	2.631	5.9	20.1
9 8	23 26.33	−10 49.8	1.607	2.609	2.7	19.9
9 18	23 17.95	−12 9.7	1.596	2.587	4.6	20.0
9 28	23 9.96	−13 18.1	1.612	2.565	8.7	20.2
10 8	23 3.36	−14 8.7	1.653	2.542	12.7	20.4
10 18	22 58.88	−14 38.4	1.715	2.520	16.2	20.6

468982 2015 AN_{128} 9 12.4 192°.01 0°.4/12.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.09	− 1 59.7	1.697	2.559	14.7	22.7
8 19	23 42.93	− 2 40.2	1.625	2.558	11.0	22.5
8 29	23 35.59	− 3 34.5	1.574	2.557	6.7	22.2
9 8	23 26.77	− 4 37.2	1.550	2.555	2.0	21.9
9 18	23 17.45	− 5 41.7	1.553	2.552	2.9	22.0
9 28	23 8.73	− 6 40.3	1.583	2.550	7.5	22.3
10 8	23 1.61	− 7 26.9	1.638	2.546	11.7	22.5
10 18	22 56.78	− 7 57.7	1.716	2.542	15.3	22.7

405704 2005 VV_{59} 9 12.4 168°.87 1°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.00	− 8 5.3	2.591	3.456	10.1	22.0
8 19	23 39.19	− 8 50.0	2.522	3.459	7.4	21.8
8 29	23 33.00	− 9 39.7	2.478	3.462	4.4	21.7
9 8	23 25.91	−10 30.1	2.461	3.464	2.0	21.5
9 18	23 18.55	−11 16.8	2.474	3.466	3.2	21.6
9 28	23 11.60	−11 55.5	2.517	3.467	6.1	21.8
10 8	23 5.67	−12 23.1	2.586	3.469	9.0	22.0
10 18	23 1.23	−12 37.9	2.678	3.470	11.4	22.1

376547 2013 HZ_{137} 9 12.4 279°.59 0°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.07	− 1 8.0	2.097	2.952	12.6	21.8
8 19	23 39.64	− 1 31.8	2.014	2.943	9.5	21.6
8 29	23 33.46	− 2 6.9	1.953	2.933	5.9	21.4
9 8	23 26.10	− 2 49.8	1.919	2.924	1.9	21.1
9 18	23 18.29	− 3 36.1	1.913	2.914	2.2	21.1
9 28	23 10.88	− 4 20.3	1.935	2.905	6.1	21.3
10 8	23 4.68	− 4 57.4	1.984	2.895	9.8	21.5
10 18	23 0.28	− 5 23.8	2.055	2.885	13.0	21.7

516824 2010 TR_{21} 9 12.4 225°.90 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.43	−10 7.9	2.258	3.128	11.2	21.6
8 19	23 41.20	−10 37.1	2.185	3.124	8.3	21.4
8 29	23 34.31	−11 10.2	2.137	3.121	5.1	21.2
9 8	23 26.34	−11 42.4	2.116	3.117	2.5	21.1
9 18	23 18.02	−12 9.3	2.124	3.114	3.8	21.2
9 28	23 10.18	−12 26.8	2.160	3.110	7.0	21.4
10 8	23 3.56	−12 32.3	2.222	3.106	10.1	21.5
10 18	22 58.70	−12 24.6	2.307	3.102	12.9	21.7

436532 2011 FW_{147} 9 12.4 96°.18 4°.6/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.12	−14 11.4	1.731	2.612	13.6	21.5
8 19	23 44.15	−15 7.4	1.687	2.630	10.0	21.3
8 29	23 36.13	−16 4.0	1.667	2.648	6.5	21.1
9 8	23 26.88	−16 53.8	1.672	2.666	4.6	21.0
9 18	23 17.43	−17 30.3	1.705	2.683	6.2	21.2
9 28	23 8.84	−17 48.9	1.764	2.700	9.4	21.4
10 8	23 2.00	−17 48.1	1.847	2.716	12.7	21.7
10 18	22 57.44	−17 28.7	1.952	2.732	15.4	21.9

235804 2004 XE_{43} 9 12.4 229°.20 1°.6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.86	+ 3 5.4	2.082	2.919	13.3	21.3
8 19	23 41.01	+ 2 44.1	1.994	2.910	10.3	21.1
8 29	23 34.34	+ 2 8.0	1.929	2.901	6.7	20.8
9 8	23 26.40	+ 1 19.9	1.890	2.891	3.0	20.6
9 18	23 17.95	+ 0 24.1	1.880	2.880	2.3	20.5
9 28	23 9.91	− 0 33.5	1.897	2.869	6.0	20.7
10 8	23 3.10	− 1 27.0	1.942	2.858	9.7	21.0
10 18	22 58.17	− 2 11.5	2.010	2.846	13.0	21.2

488049 2015 UF_{50} 9 12.4 299°.42 3°.8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.12	−13 3.3	2.269	3.151	10.7	21.3
8 19	23 38.06	−14 12.6	2.203	3.147	7.9	21.2
8 29	23 32.42	−15 24.8	2.162	3.144	5.2	21.0
9 8	23 25.77	−16 34.0	2.147	3.140	3.8	20.9
9 18	23 18.77	−17 34.0	2.161	3.137	5.3	21.0
9 28	23 12.20	−18 19.8	2.202	3.133	8.1	21.2
10 8	23 6.77	−18 48.2	2.268	3.130	10.9	21.3
10 18	23 3.00	−18 58.5	2.356	3.127	13.4	21.5

485731 2012 BC_{58} 9 12.4 215°.38 9°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.27	−38 34.7	2.746	3.581	10.5	21.5
8 19	23 41.91	−40 10.1	2.709	3.575	9.6	21.5
8 29	23 34.78	−41 31.9	2.696	3.569	9.4	21.4
9 8	23 26.51	−42 33.5	2.707	3.562	9.8	21.5
9 18	23 17.86	−43 10.6	2.741	3.555	10.8	21.5
9 28	23 9.74	−43 21.1	2.798	3.548	12.1	21.6
10 8	23 2.94	−43 6.0	2.873	3.540	13.4	21.7
10 18	22 58.01	−42 28.0	2.964	3.532	14.5	21.8

100132 1993 RR_{8} 9 12.4 352°.76 1°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.86	+ 1 45.6	1.539	2.406	15.7	19.2
8 19	23 38.48	+ 1 11.9	1.469	2.402	12.0	19.0
8 29	23 32.96	+ 0 19.8	1.419	2.399	7.6	18.7
9 8	23 25.99	− 0 46.2	1.393	2.397	2.9	18.4
9 18	23 18.50	− 1 59.1	1.393	2.395	2.5	18.4
9 28	23 11.59	− 3 10.5	1.419	2.394	7.2	18.7
10 8	23 6.27	− 4 12.3	1.469	2.393	11.6	18.9
10 18	23 3.20	− 4 59.1	1.541	2.393	15.5	19.2

209340 2004 CQ_{21} 9 12.4 210°.37 0°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.01	− 2 15.4	2.081	2.941	12.5	20.6
8 19	23 39.56	− 2 59.9	2.005	2.938	9.3	20.4
8 29	23 33.40	− 3 55.8	1.953	2.935	5.6	20.1
9 8	23 26.10	− 4 58.5	1.927	2.932	1.7	19.9
9 18	23 18.39	− 6 2.3	1.930	2.929	2.5	19.9
9 28	23 11.14	− 7 1.1	1.961	2.926	6.4	20.2
10 8	23 5.12	− 7 49.6	2.018	2.923	10.0	20.4
10 18	23 0.91	− 8 24.5	2.099	2.919	13.1	20.6

9673 Kunishimakoto 9 12.4 39°.29 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.22	+ 2 8.6	0.993	1.882	20.6	16.5
8 19	23 40.82	+ 1 24.9	0.953	1.898	15.5	16.2
8 29	23 34.55	+ 0 16.2	0.930	1.915	9.7	16.0
9 8	23 26.48	− 1 9.5	0.928	1.933	3.5	15.7
9 18	23 18.02	− 2 40.6	0.949	1.951	3.2	15.8
9 28	23 10.73	− 4 4.4	0.994	1.971	9.0	16.2
10 8	23 5.81	− 5 10.7	1.059	1.991	14.2	16.5
10 18	23 3.88	− 5 54.2	1.144	2.012	18.6	16.9

301387 2009 DL_{19} 9 12.4 214°.13 0°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.11	− 0 15.5	2.006	2.861	13.1	21.6
8 19	23 39.69	− 0 51.6	1.930	2.859	9.8	21.3
8 29	23 33.50	− 1 40.6	1.878	2.857	6.1	21.1
9 8	23 26.13	− 2 38.4	1.851	2.855	2.0	20.9
9 18	23 18.35	− 3 39.7	1.852	2.853	2.2	20.9
9 28	23 11.04	− 4 38.2	1.882	2.851	6.3	21.1
10 8	23 5.01	− 5 28.3	1.937	2.849	10.0	21.4
10 18	23 0.85	− 6 5.9	2.016	2.846	13.2	21.6

174987 2004 EK_{8} 9 12.4 217°.24 0°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.49	− 5 51.1	2.259	3.116	11.7	20.6
8 19	23 42.76	− 6 4.8	2.178	3.110	8.7	20.3
8 29	23 35.30	− 6 24.9	2.122	3.104	5.2	20.1
9 8	23 26.69	− 6 47.8	2.093	3.098	1.7	19.9
9 18	23 17.67	− 7 9.7	2.094	3.092	2.6	19.9
9 28	23 9.10	− 7 26.4	2.123	3.085	6.3	20.2
10 8	23 1.76	− 7 34.8	2.179	3.078	9.7	20.4
10 18	22 56.23	− 7 33.0	2.260	3.070	12.6	20.6

392828 2012 TJ_{305} 9 12.4 299°.86 9°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.44	−27 3.8	1.624	2.507	14.2	20.8
8 19	23 44.31	−28 25.9	1.563	2.491	11.8	20.6
8 29	23 36.61	−29 39.1	1.525	2.475	10.1	20.4
9 8	23 27.15	−30 32.5	1.511	2.460	10.1	20.4
9 18	23 17.10	−30 57.9	1.520	2.444	11.8	20.5
9 28	23 7.80	−30 50.7	1.552	2.429	14.3	20.6
10 8	23 0.44	−30 11.7	1.604	2.414	17.1	20.7
10 18	22 55.77	−29 4.7	1.673	2.399	19.6	20.9

399577 2003 SP_{273} 9 12.4 10°.99 9°.3/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.64	+17 16.8	1.459	2.258	19.8	19.3
8 19	23 39.25	+18 26.6	1.398	2.264	16.9	19.1
8 29	23 33.51	+19 8.8	1.355	2.272	13.8	18.9
9 8	23 26.18	+19 20.7	1.331	2.282	11.0	18.8
9 18	23 18.30	+19 2.5	1.329	2.293	9.4	18.7
9 28	23 11.09	+18 19.1	1.351	2.306	9.9	18.8
10 8	23 5.64	+17 19.4	1.395	2.320	12.1	19.0
10 18	23 2.67	+16 13.2	1.461	2.335	14.8	19.2

386421 2008 UT_{354} 9 12.5 158°.76 2°.7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.92	− 9 51.8	2.241	3.110	11.4	21.6
8 19	23 41.54	−10 44.4	2.177	3.116	8.3	21.4
8 29	23 34.50	−11 41.6	2.139	3.122	5.1	21.2
9 8	23 26.43	−12 37.7	2.128	3.128	2.7	21.1
9 18	23 18.05	−13 27.4	2.146	3.133	4.2	21.2
9 28	23 10.20	−14 5.9	2.192	3.137	7.3	21.4
10 8	23 3.60	−14 30.0	2.264	3.141	10.3	21.6
10 18	22 58.78	−14 38.6	2.360	3.144	13.0	21.8

104613 2000 GO_{103} 9 12.5 132°.50 2°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.65	− 6 56.5	1.792	2.662	13.7	20.3
8 19	23 43.12	− 7 45.7	1.733	2.673	10.0	20.1
8 29	23 35.58	− 8 42.9	1.698	2.683	6.0	19.9
9 8	23 26.78	− 9 41.8	1.690	2.693	2.4	19.7
9 18	23 17.64	−10 35.8	1.709	2.702	4.0	19.8
9 28	23 9.21	−11 18.6	1.755	2.711	7.9	20.0
10 8	23 2.36	−11 46.3	1.827	2.720	11.6	20.3
10 18	22 57.68	−11 57.2	1.921	2.727	14.7	20.5

512779 2016 UY_{69} 9 12.5 26°.99 5°.8/18.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.32	+13 54.7	1.458	2.277	18.9	20.3
8 19	23 38.17	+13 41.6	1.393	2.284	15.5	20.1
8 29	23 32.80	+12 58.6	1.347	2.293	11.6	19.9
9 8	23 25.96	+11 47.3	1.323	2.301	7.8	19.7
9 18	23 18.64	+10 13.2	1.322	2.311	5.8	19.6
9 28	23 12.03	+ 8 25.8	1.347	2.321	7.6	19.7
10 8	23 7.10	+ 6 36.9	1.396	2.332	11.1	20.0
10 18	23 4.53	+ 4 56.8	1.468	2.343	14.8	20.2

259357 2003 GH_{46} 9 12.5 285°.70 1°.5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 37.23	−10 20.1	4.299	5.164	6.4	20.4
8 19	23 33.79	−10 52.3	4.222	5.159	4.7	20.3
8 29	23 29.58	−11 26.5	4.171	5.155	2.8	20.2
9 8	23 24.87	−12 0.2	4.150	5.150	1.5	20.0
9 18	23 20.00	−12 31.2	4.158	5.145	2.3	20.1
9 28	23 15.32	−12 57.2	4.196	5.141	4.1	20.2
10 8	23 11.19	−13 16.3	4.262	5.136	5.9	20.4
10 18	23 7.88	−13 27.5	4.353	5.131	7.5	20.5

248458 2005 UK_{30} 9 12.5 278°.13 4°.3/ 7.9 18

8 9	23 45.93	−15 19.2	2.158	3.037	11.3	20.0
8 19	23 41.00	−16 5.8	2.085	3.027	8.5	19.8
8 29	23 34.28	−16 53.2	2.037	3.017	5.7	19.6
9 8	23 26.40	−17 35.4	2.016	3.006	4.3	19.5
9 18	23 18.10	−18 7.1	2.022	2.996	5.7	19.6
9 28	23 10.28	−18 23.8	2.055	2.986	8.6	19.7
10 8	23 3.74	−18 23.3	2.113	2.975	11.5	19.9
10 18	22 59.06	−18 5.7	2.193	2.965	14.2	20.1

326125 2011 YY_{61} 9 12.5 270°.06 4°.5/22.3 18

8 9	23 38.26	+22 27.9	4.597	5.285	8.7	20.4
8 19	23 34.60	+22 43.7	4.494	5.277	7.6	20.3
8 29	23 30.10	+22 47.6	4.413	5.270	6.4	20.2
9 8	23 25.05	+22 39.3	4.356	5.262	5.3	20.1
9 18	23 19.78	+22 19.4	4.325	5.254	4.6	20.1
9 28	23 14.67	+21 49.2	4.322	5.246	4.7	20.1
10 8	23 10.08	+21 11.2	4.347	5.239	5.4	20.1
10 18	23 6.32	+20 28.2	4.398	5.231	6.5	20.2

260354 2004 TZ_{314} 9 12.5 332°.27 2°.8/15.8 18

8 9	23 41.52	+ 7 39.1	2.143	2.967	13.5	20.2
8 19	23 37.73	+ 7 16.1	2.061	2.964	10.6	20.0
8 29	23 32.30	+ 6 35.6	2.002	2.961	7.4	19.8
9 8	23 25.78	+ 5 39.7	1.967	2.959	4.2	19.6
9 18	23 18.87	+ 4 32.6	1.959	2.957	3.0	19.5
9 28	23 12.37	+ 3 20.4	1.980	2.954	5.6	19.7
10 8	23 7.01	+ 2 9.4	2.028	2.952	8.9	19.9
10 18	23 3.36	+ 1 5.7	2.100	2.950	12.0	20.1

19163 1990 WE_5 9 12.5 326°.66 4°.0/ 9.2 18

8 9	23 45.58	− 8 52.7	1.267	2.164	16.4	18.4
8 19	23 41.69	−10 5.7	1.206	2.159	12.1	18.1
8 29	23 35.13	−11 29.7	1.166	2.155	7.4	17.8
9 8	23 26.74	−12 54.7	1.149	2.151	4.1	17.6
9 18	23 17.72	−14 9.7	1.157	2.147	6.4	17.8
9 28	23 9.49	−15 5.0	1.190	2.143	11.0	18.0
10 8	23 3.29	−15 34.9	1.243	2.140	15.5	18.3
10 18	22 59.89	−15 38.5	1.316	2.137	19.4	18.5

385621 2005 MS_{31} 9 12.5 310°.69 1°.8/13.9 18

8 9	23 44.82	+ 3 2.9	1.434	2.295	17.0	20.7
8 19	23 40.92	+ 2 40.3	1.359	2.288	13.1	20.4
8 29	23 34.60	+ 1 57.1	1.305	2.281	8.5	20.2
9 8	23 26.58	+ 0 57.1	1.273	2.275	3.7	19.9
9 18	23 17.90	− 0 13.1	1.267	2.269	2.8	19.8
9 28	23 9.82	− 1 24.7	1.287	2.263	7.7	20.1
10 8	23 3.50	− 2 28.6	1.330	2.257	12.4	20.3
10 18	22 59.71	− 3 18.3	1.395	2.251	16.5	20.6

147531 2004 DS_{62} 9 12.5 329°.34 2°.3/13.9 18

8 9	23 45.26	+ 1 38.8	1.210	2.086	18.5	19.5
8 19	23 41.70	+ 1 48.6	1.135	2.072	14.4	19.2
8 29	23 35.31	+ 1 39.4	1.080	2.059	9.4	18.9
9 8	23 26.86	+ 1 13.4	1.045	2.047	4.2	18.5
9 18	23 17.52	+ 0 35.8	1.034	2.036	3.3	18.4
9 28	23 8.82	− 0 5.4	1.047	2.025	8.6	18.7
10 8	23 2.16	− 0 41.7	1.082	2.016	13.8	19.0
10 18	22 58.46	− 1 6.3	1.137	2.007	18.5	19.2

421298 2013 TD_{17} 9 12.5 61°.82 2°.4/14.3 15

8 9	23 49.71	+ 3 5.3	1.315	2.173	18.3	20.7
8 19	23 44.39	+ 3 5.1	1.266	2.192	14.1	20.5
8 29	23 36.54	+ 2 45.4	1.236	2.211	9.2	20.3
9 8	23 27.12	+ 2 9.8	1.230	2.230	4.2	20.1
9 18	23 17.36	+ 1 24.3	1.249	2.250	3.2	20.1
9 28	23 8.61	+ 0 36.8	1.293	2.269	7.6	20.4
10 8	23 1.95	− 0 5.0	1.362	2.288	12.1	20.7
10 18	22 58.02	− 0 35.7	1.451	2.308	16.0	21.0

108315 2001 JV_5 9 12.5 214°.65 3°.4/16.6 18

8 9	23 44.43	+10 15.2	2.377	3.176	13.1	21.0
8 19	23 39.79	+ 9 53.4	2.284	3.168	10.5	20.8
8 29	23 33.55	+ 9 13.5	2.213	3.160	7.6	20.6
9 8	23 26.20	+ 8 17.2	2.167	3.152	4.7	20.4
9 18	23 18.41	+ 7 7.9	2.150	3.142	3.5	20.3
9 28	23 10.97	+ 5 50.8	2.162	3.133	5.5	20.4
10 8	23 4.60	+ 4 32.6	2.202	3.122	8.5	20.6
10 18	22 59.87	+ 3 19.1	2.267	3.111	11.4	20.7

246694 2009 AM_{21} 9 12.5 200°.91 2°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.34	− 9 25.4	2.241	3.110	11.4	21.8
8 19	23 41.20	−10 16.0	2.167	3.106	8.3	21.6
8 29	23 34.38	−11 12.0	2.119	3.102	5.1	21.4
9 8	23 26.45	−12 7.9	2.097	3.098	2.6	21.2
9 18	23 18.13	−12 58.3	2.105	3.093	4.1	21.3
9 28	23 10.27	−13 38.1	2.141	3.088	7.3	21.5
10 8	23 3.63	−14 3.8	2.203	3.082	10.5	21.7
10 18	22 58.75	−14 13.9	2.288	3.076	13.2	21.9

159087 2004 TY_{275} 9 12.5 53°.88 1°.2/11.5 17

8 9	23 47.25	− 4 23.2	1.446	2.325	15.9	19.9
8 19	23 42.37	− 4 58.0	1.399	2.341	11.7	19.7
8 29	23 35.23	− 5 44.1	1.372	2.358	7.0	19.5
9 8	23 26.70	− 6 35.2	1.370	2.375	2.1	19.2
9 18	23 17.88	− 7 24.0	1.394	2.393	3.5	19.4
9 28	23 9.96	− 8 3.5	1.444	2.411	8.1	19.7
10 8	23 3.89	− 8 29.0	1.518	2.428	12.3	20.0
10 18	23 0.28	− 8 38.1	1.613	2.446	15.8	20.2

476974 2008 YS_{31} 9 12.5 239°.46 5°.5/ 7.1 18

8 9	23 50.31	−19 3.9	2.082	2.957	11.9	21.8
8 19	23 44.33	−19 51.8	2.011	2.946	9.1	21.6
8 29	23 36.37	−20 37.4	1.964	2.935	6.6	21.4
9 8	23 27.09	−21 14.0	1.943	2.924	5.5	21.3
9 18	23 17.36	−21 35.8	1.950	2.912	7.0	21.4
9 28	23 8.19	−21 38.9	1.984	2.900	9.7	21.5
10 8	23 0.48	−21 22.0	2.043	2.888	12.6	21.7
10 18	22 54.86	−20 46.3	2.122	2.875	15.2	21.9

523039 2016 PU_{126} 9 12.5 25°.97 0°.8/13.0 18

8 9	23 47.68	− 1 24.3	1.341	2.215	17.1	20.5
8 19	23 42.98	− 1 22.7	1.283	2.222	12.9	20.2
8 29	23 35.77	− 1 35.4	1.246	2.229	8.0	20.0
9 8	23 26.93	− 1 58.4	1.233	2.237	2.8	19.7
9 18	23 17.62	− 2 26.1	1.244	2.246	2.8	19.7
9 28	23 9.18	− 2 51.9	1.281	2.255	7.9	20.1
10 8	23 2.71	− 3 9.8	1.341	2.265	12.5	20.4
10 18	22 58.92	− 3 16.2	1.422	2.275	16.4	20.6

283154 2009 AD_{47} 9 12.5 5°.89 7°.0/ 5.4 18

8 9	23 34.96	−11 50.6	1.079	2.002	16.4	18.7
8 19	23 34.00	−14 17.9	1.036	2.002	12.1	18.4
8 29	23 30.49	−16 54.1	1.015	2.004	8.2	18.2
9 8	23 25.31	−19 22.4	1.016	2.008	7.2	18.2
9 18	23 19.60	−21 26.8	1.041	2.014	10.0	18.4
9 28	23 14.74	−22 55.4	1.087	2.021	14.1	18.6
10 8	23 11.82	−23 43.8	1.153	2.030	18.0	18.9
10 18	23 11.50	−23 53.5	1.235	2.041	21.2	19.1

309642 2008 CR_{195} 9 12.5 308°.44 0°.4/12.9 18

8 9	23 41.41	+ 1 2.6	1.828	2.688	13.9	20.7
8 19	23 37.96	+ 0 11.8	1.744	2.675	10.5	20.4
8 29	23 32.61	− 0 55.9	1.682	2.663	6.6	20.2
9 8	23 25.95	− 2 15.9	1.646	2.651	2.2	19.9
9 18	23 18.76	− 3 41.5	1.637	2.639	2.4	19.8
9 28	23 11.99	− 5 4.7	1.656	2.627	6.8	20.1
10 8	23 6.53	− 6 17.7	1.700	2.616	10.9	20.3
10 18	23 3.03	− 7 15.3	1.767	2.605	14.4	20.5

19730 Machiavelli 9 12.5 232°.71 5°.9/ 3.2 17

8 9	23 48.47	−28 43.1	3.368	4.220	8.4	20.2
8 19	23 42.39	−29 36.6	3.297	4.202	7.0	20.1
8 29	23 34.95	−30 23.5	3.252	4.184	6.0	20.0
9 8	23 26.62	−30 59.3	3.235	4.166	6.0	20.0
9 18	23 17.98	−31 20.1	3.246	4.146	7.0	20.1
9 28	23 9.69	−31 23.8	3.284	4.127	8.4	20.1
10 8	23 2.35	−31 10.0	3.346	4.106	10.0	20.2
10 18	22 56.43	−30 39.6	3.429	4.085	11.5	20.3

343823 2011 HE_{20} 9 12.5 46°.60 4°.5/ 7.7 16

8 9	23 42.58	− 9 35.5	1.507	2.401	14.4	20.2
8 19	23 39.00	−11 29.6	1.456	2.409	10.5	20.0
8 29	23 33.26	−13 32.3	1.430	2.417	6.6	19.8
9 8	23 26.14	−15 32.6	1.428	2.425	4.5	19.7
9 18	23 18.61	−17 19.1	1.454	2.434	6.7	19.9
9 28	23 11.81	−18 42.9	1.504	2.443	10.5	20.1
10 8	23 6.67	−19 39.1	1.578	2.452	14.1	20.3
10 18	23 3.81	−20 7.0	1.672	2.461	17.2	20.6

58557 1997 KE_3 9 12.5 351°.19 7°.6/19.9 18

8 9	23 37.82	+16 30.7	1.350	2.166	20.2	18.6
8 19	23 35.90	+16 38.1	1.274	2.158	17.1	18.4
8 29	23 31.64	+16 12.1	1.215	2.151	13.5	18.2
9 8	23 25.70	+15 11.6	1.175	2.145	9.9	17.9
9 18	23 19.09	+13 39.9	1.158	2.140	7.7	17.8
9 28	23 13.07	+11 45.9	1.164	2.137	8.8	17.9
10 8	23 8.76	+ 9 43.0	1.194	2.135	12.1	18.1
10 18	23 6.95	+ 7 44.2	1.246	2.134	15.9	18.3

13633 Ivens 9 12.5 104°.51 1°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 51.68	− 6 2.8	1.307	2.188	17.1	18.6
8 19	23 46.00	− 6 35.8	1.253	2.197	12.6	18.3
8 29	23 37.63	− 7 19.7	1.220	2.206	7.6	18.1
9 8	23 27.52	− 8 7.3	1.210	2.215	2.6	17.8
9 18	23 16.96	− 8 50.7	1.226	2.223	4.3	18.0
9 28	23 7.39	− 9 22.5	1.267	2.232	9.3	18.3
10 8	23 0.01	− 9 37.9	1.332	2.240	13.9	18.6
10 18	22 55.49	− 9 35.3	1.417	2.248	17.7	18.8

159109 2004 VV_{11} 9 12.5 10°.47 2°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.17	−10 39.3	1.135	2.032	17.9	18.3
8 19	23 45.93	−10 21.3	1.083	2.035	13.3	18.1
8 29	23 37.71	−10 6.5	1.051	2.039	8.1	17.8
9 8	23 27.56	− 9 49.6	1.041	2.045	3.3	17.6
9 18	23 16.94	− 9 25.7	1.055	2.052	4.8	17.7
9 28	23 7.47	− 8 51.3	1.093	2.060	9.9	18.0
10 8	23 0.44	− 8 5.0	1.153	2.070	14.7	18.3
10 18	22 56.56	− 7 7.4	1.232	2.081	18.7	18.6

32557 2001 QT_{30} 9 12.5 328°.95 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.55	− 0 18.6	1.815	2.676	14.0	18.2
8 19	23 39.51	− 0 43.5	1.739	2.670	10.5	18.0
8 29	23 33.53	− 1 22.2	1.684	2.664	6.6	17.8
9 8	23 26.25	− 2 10.6	1.655	2.659	2.3	17.5
9 18	23 18.48	− 3 3.4	1.652	2.653	2.3	17.5
9 28	23 11.20	− 3 54.1	1.677	2.648	6.7	17.7
10 8	23 5.30	− 4 36.9	1.727	2.644	10.7	18.0
10 18	23 1.42	− 5 7.5	1.799	2.639	14.1	18.2

433269 2013 AH_{38} 9 12.5 260°.77 1°.7/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 36.89	−11 22.5	4.413	5.281	6.2	21.4
8 19	23 33.56	−12 0.8	4.337	5.275	4.5	21.3
8 29	23 29.47	−12 40.9	4.288	5.270	2.8	21.2
9 8	23 24.90	−13 20.1	4.267	5.265	1.7	21.1
9 18	23 20.16	−13 56.1	4.276	5.259	2.5	21.1
9 28	23 15.61	−14 26.5	4.315	5.254	4.2	21.3
10 8	23 11.58	−14 49.7	4.382	5.249	5.9	21.4
10 18	23 8.35	−15 4.4	4.473	5.243	7.5	21.5

452094 2014 QH_{35} 9 12.5 316°.39 4°.9/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.32	+10 39.1	2.045	2.851	14.6	20.6
8 19	23 40.03	+11 4.7	1.952	2.837	12.0	20.4
8 29	23 33.87	+11 12.7	1.881	2.824	9.0	20.2
9 8	23 26.37	+11 3.0	1.834	2.811	6.2	20.0
9 18	23 18.30	+10 36.9	1.813	2.799	4.9	19.9
9 28	23 10.56	+ 9 58.4	1.819	2.787	6.6	20.0
10 8	23 4.05	+ 9 13.5	1.851	2.775	9.6	20.2
10 18	22 59.44	+ 8 28.2	1.906	2.763	12.7	20.4

509978 2009 TX_{14} 9 12.5 352°.48 9°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 34.17	−17 3.5	0.831	1.769	18.2	19.2
8 19	23 34.12	−18 46.4	0.785	1.755	14.0	18.9
8 29	23 30.93	−20 31.5	0.756	1.743	10.5	18.7
9 8	23 25.54	−22 2.0	0.746	1.734	9.8	18.6
9 18	23 19.38	−23 2.3	0.754	1.728	12.5	18.7
9 28	23 14.22	−23 21.9	0.781	1.724	16.8	18.9
10 8	23 11.49	−22 58.7	0.824	1.723	21.1	19.2
10 18	23 11.97	−21 57.1	0.881	1.725	24.8	19.5

298087 2002 RW_{2} 9 12.5 343°.22 0°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.67	− 5 23.0	1.286	2.174	16.8	19.4
8 19	23 42.60	− 5 4.8	1.212	2.159	12.7	19.1
8 29	23 35.80	− 4 55.4	1.159	2.146	7.8	18.8
9 8	23 27.04	− 4 51.2	1.128	2.133	2.4	18.5
9 18	23 17.50	− 4 47.7	1.121	2.122	3.3	18.5
9 28	23 8.64	− 4 39.8	1.139	2.113	8.7	18.8
10 8	23 1.77	− 4 23.3	1.180	2.105	13.7	19.1
10 18	22 57.76	− 3 55.7	1.240	2.098	18.0	19.3

186719 2004 BA_{105} 9 12.5 177°.11 1°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.28	− 3 22.9	1.909	2.770	13.4	21.2
8 19	23 42.14	− 4 22.3	1.838	2.773	9.9	21.0
8 29	23 35.07	− 5 33.6	1.791	2.774	5.9	20.7
9 8	23 26.72	− 6 51.0	1.770	2.775	1.9	20.5
9 18	23 17.95	− 8 7.3	1.778	2.776	3.2	20.6
9 28	23 9.72	− 9 15.5	1.815	2.775	7.3	20.8
10 8	23 2.92	−10 9.7	1.877	2.774	11.0	21.1
10 18	22 58.16	−10 47.0	1.962	2.773	14.3	21.3

160661 1999 XD_{225} 9 12.5 300°.97 1°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.50	+ 3 34.2	4.278	5.097	7.3	20.3
8 19	23 34.03	+ 3 24.3	4.187	5.091	5.7	20.2
8 29	23 29.77	+ 3 7.3	4.121	5.085	3.8	20.1
9 8	23 25.01	+ 2 44.8	4.082	5.078	1.9	19.9
9 18	23 20.06	+ 2 18.3	4.074	5.072	1.4	19.9
9 28	23 15.28	+ 1 50.0	4.095	5.066	3.1	20.0
10 8	23 11.04	+ 1 22.3	4.145	5.060	5.0	20.1
10 18	23 7.61	+ 0 57.4	4.222	5.054	6.8	20.3

436076 2009 SJ_{125} 9 12.5 237°.44 1°.8/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.13	+ 2 40.2	1.799	2.642	14.8	22.1
8 19	23 43.02	+ 2 30.7	1.714	2.633	11.5	21.9
8 29	23 35.76	+ 2 5.5	1.650	2.623	7.5	21.6
9 8	23 26.99	+ 1 27.1	1.612	2.612	3.4	21.4
9 18	23 17.59	+ 0 40.1	1.601	2.602	2.6	21.3
9 28	23 8.65	− 0 9.4	1.618	2.590	6.7	21.5
10 8	23 1.19	− 0 55.0	1.660	2.579	10.9	21.7
10 18	22 55.93	− 1 31.3	1.726	2.567	14.6	22.0

509826 2008 WE_{110} 9 12.5 206°.64 0°.7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.14	+ 0 33.6	2.136	2.981	12.8	22.5
8 19	23 41.16	+ 0 6.8	2.054	2.976	9.7	22.3
8 29	23 34.44	− 0 32.6	1.996	2.972	6.1	22.0
9 8	23 26.53	− 1 21.2	1.964	2.967	2.2	21.8
9 18	23 18.18	− 2 14.4	1.960	2.961	2.1	21.8
9 28	23 10.26	− 3 6.5	1.986	2.956	6.0	22.0
10 8	23 3.57	− 3 52.2	2.038	2.949	9.6	22.2
10 18	22 58.71	− 4 27.6	2.114	2.942	12.7	22.4

386854 2010 UT_{79} 9 12.5 230°.77 1°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.44	+ 4 49.9	4.549	5.359	7.1	21.3
8 19	23 33.94	+ 4 41.4	4.459	5.357	5.5	21.1
8 29	23 29.70	+ 4 26.0	4.395	5.354	3.7	21.0
9 8	23 24.98	+ 4 4.8	4.359	5.352	2.0	20.9
9 18	23 20.10	+ 3 39.3	4.352	5.349	1.5	20.8
9 28	23 15.39	+ 3 11.7	4.375	5.347	2.9	20.9
10 8	23 11.18	+ 2 44.1	4.428	5.344	4.7	21.1
10 18	23 7.75	+ 2 18.5	4.508	5.341	6.4	21.2

385332 2002 FA_{26} 9 12.5 106°.57 6°.4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.38	−19 38.0	1.953	2.834	12.2	20.8
8 19	23 42.79	−21 8.8	1.917	2.854	9.4	20.7
8 29	23 35.33	−22 35.5	1.906	2.874	7.0	20.6
9 8	23 26.76	−23 49.8	1.921	2.893	6.4	20.6
9 18	23 17.98	−24 45.2	1.963	2.912	8.0	20.7
9 28	23 9.96	−25 17.5	2.032	2.930	10.4	20.9
10 8	23 3.50	−25 26.0	2.123	2.948	12.9	21.1
10 18	22 59.12	−25 12.4	2.235	2.965	15.1	21.3

130545 2000 QK_{223} 9 12.5 9°.88 5°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.14	−12 10.4	0.897	1.815	19.4	18.6
8 19	23 42.73	−12 42.2	0.854	1.816	14.4	18.4
8 29	23 35.99	−13 18.7	0.828	1.819	9.1	18.1
9 8	23 27.08	−13 49.5	0.823	1.824	5.3	17.9
9 18	23 17.62	−14 4.9	0.838	1.830	7.5	18.1
9 28	23 9.45	−13 58.1	0.875	1.838	12.5	18.4
10 8	23 3.97	−13 27.1	0.930	1.847	17.4	18.7
10 18	23 1.89	−12 34.0	1.003	1.858	21.6	19.0

124093 2001 HB_{33} 9 12.5 205°.10 2°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.13	+ 9 25.6	2.895	3.691	11.0	20.2
8 19	23 37.82	+ 9 6.2	2.803	3.687	8.8	20.1
8 29	23 32.24	+ 8 32.7	2.734	3.682	6.3	19.9
9 8	23 25.82	+ 7 46.6	2.692	3.677	3.9	19.7
9 18	23 19.09	+ 6 50.6	2.678	3.671	2.9	19.7
9 28	23 12.64	+ 5 48.8	2.695	3.665	4.5	19.8
10 8	23 7.04	+ 4 45.9	2.740	3.659	7.1	19.9
10 18	23 2.75	+ 3 46.5	2.811	3.652	9.5	20.1

332846 2010 EW_{139} 9 12.5 329°.62 0°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.22	− 1 3.2	1.662	2.527	14.8	20.6
8 19	23 40.89	− 1 30.0	1.590	2.524	11.1	20.4
8 29	23 34.45	− 2 10.9	1.540	2.521	6.9	20.2
9 8	23 26.57	− 3 1.4	1.514	2.519	2.3	19.9
9 18	23 18.18	− 3 55.4	1.515	2.516	2.6	19.9
9 28	23 10.36	− 4 46.1	1.543	2.514	7.2	20.2
10 8	23 4.10	− 5 27.0	1.595	2.511	11.4	20.4
10 18	23 0.06	− 5 54.2	1.670	2.509	15.1	20.6

516176 2016 PW_{87} 9 12.5 331°.21 0°.5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.12	− 3 59.6	1.454	2.333	15.8	21.0
8 19	23 41.91	− 4 10.0	1.380	2.322	11.8	20.7
8 29	23 35.24	− 4 32.2	1.326	2.312	7.2	20.5
9 8	23 26.86	− 5 1.5	1.297	2.302	2.2	20.1
9 18	23 17.81	− 5 32.1	1.292	2.293	3.1	20.2
9 28	23 9.38	− 5 57.3	1.313	2.284	8.2	20.5
10 8	23 2.72	− 6 11.8	1.358	2.276	12.9	20.7
10 18	22 58.60	− 6 12.2	1.423	2.269	16.9	20.9

47978 2000 WJ_{166} 9 12.5 325°.22 3°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.21	+10 15.7	2.094	2.905	14.2	19.1
8 19	23 38.32	+10 1.5	2.011	2.902	11.4	18.9
8 29	23 32.74	+ 9 27.9	1.950	2.900	8.3	18.7
9 8	23 26.01	+ 8 36.4	1.913	2.898	5.2	18.5
9 18	23 18.86	+ 7 30.8	1.903	2.895	3.8	18.5
9 28	23 12.13	+ 6 16.8	1.921	2.893	5.8	18.6
10 8	23 6.59	+ 5 1.5	1.965	2.891	9.0	18.8
10 18	23 2.82	+ 3 51.4	2.034	2.889	12.1	19.0

9062 Ohnishi 9 12.5 326°.96 3°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.66	− 7 50.9	1.385	2.274	15.8	17.5
8 19	23 42.32	− 8 48.0	1.323	2.272	11.6	17.2
8 29	23 35.46	− 9 55.5	1.281	2.269	7.1	16.9
9 8	23 26.91	−11 5.2	1.264	2.267	3.3	16.7
9 18	23 17.79	−12 7.8	1.272	2.265	5.3	16.8
9 28	23 9.42	−12 55.0	1.305	2.263	9.9	17.1
10 8	23 2.95	−13 21.5	1.361	2.261	14.2	17.3
10 18	22 59.11	−13 25.7	1.437	2.260	18.0	17.6

185599 2008 CJ_7 9 12.5 182°.16 0°.8/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.08	+ 0 43.4	3.397	4.230	8.8	20.9
8 19	23 36.82	+ 0 31.4	3.315	4.230	6.6	20.7
8 29	23 31.53	+ 0 12.0	3.257	4.230	4.2	20.6
9 8	23 25.59	− 0 13.0	3.228	4.229	1.7	20.4
9 18	23 19.41	− 0 41.1	3.228	4.229	1.4	20.4
9 28	23 13.50	− 1 9.6	3.259	4.229	3.9	20.6
10 8	23 8.32	− 1 35.6	3.318	4.228	6.3	20.7
10 18	23 4.22	− 1 56.8	3.403	4.228	8.4	20.9

324207 2006 AO_{102} 9 12.5 339°.39 1°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.13	+ 0 29.7	2.116	2.963	12.8	20.8
8 19	23 40.42	+ 0 29.6	2.037	2.959	9.7	20.6
8 29	23 33.99	+ 0 18.4	1.981	2.956	6.2	20.4
9 8	23 26.40	− 0 1.5	1.951	2.953	2.6	20.2
9 18	23 18.40	− 0 26.6	1.949	2.950	2.1	20.1
9 28	23 10.85	− 0 52.5	1.976	2.948	5.8	20.4
10 8	23 4.52	− 1 15.0	2.028	2.946	9.3	20.6
10 18	22 59.99	− 1 30.5	2.105	2.943	12.4	20.8

223973 2004 XN_{165} 9 12.5 181°.79 3°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.98	+10 7.2	2.495	3.294	12.5	20.3
8 19	23 38.63	+10 3.1	2.411	3.294	10.1	20.1
8 29	23 32.81	+ 9 43.1	2.349	3.294	7.3	20.0
9 8	23 26.02	+ 9 8.4	2.313	3.294	4.7	19.8
9 18	23 18.88	+ 8 21.8	2.304	3.294	3.6	19.7
9 28	23 12.09	+ 7 27.5	2.324	3.294	5.2	19.9
10 8	23 6.33	+ 6 30.8	2.371	3.293	7.9	20.0
10 18	23 2.10	+ 5 36.7	2.444	3.293	10.6	20.2

320170 2007 GX_8 9 12.5 157°.57 1°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.02	+ 5 1.3	2.419	3.247	12.0	21.4
8 19	23 37.92	+ 4 31.6	2.340	3.249	9.3	21.2
8 29	23 32.37	+ 3 47.7	2.284	3.250	6.2	21.0
9 8	23 25.88	+ 2 52.4	2.254	3.251	3.0	20.8
9 18	23 19.07	+ 1 49.7	2.253	3.253	2.1	20.8
9 28	23 12.63	+ 0 45.0	2.280	3.254	5.0	21.0
10 8	23 7.23	− 0 16.6	2.336	3.255	8.2	21.2
10 18	23 3.35	− 1 10.3	2.416	3.256	11.0	21.4

521895 2015 TX_{383} 9 12.5 292°.44 0°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.26	− 1 21.9	2.175	3.034	12.0	21.2
8 19	23 37.54	− 2 19.7	2.095	3.028	8.9	21.0
8 29	23 32.23	− 3 30.0	2.039	3.021	5.4	20.8
9 8	23 25.86	− 4 48.1	2.010	3.015	1.6	20.5
9 18	23 19.09	− 6 7.9	2.009	3.008	2.4	20.6
9 28	23 12.70	− 7 22.9	2.036	3.002	6.2	20.8
10 8	23 7.43	− 8 27.3	2.091	2.996	9.7	21.0
10 18	23 3.81	− 9 17.1	2.169	2.989	12.7	21.2

123833 2001 CF_{15} 9 12.5 106°.02 3°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.98	−13 11.7	2.562	3.436	9.9	20.1
8 19	23 39.18	−14 16.1	2.514	3.454	7.3	19.9
8 29	23 33.03	−15 21.9	2.491	3.471	4.7	19.8
9 8	23 26.06	−16 23.7	2.496	3.489	3.4	19.7
9 18	23 18.90	−17 16.6	2.530	3.506	4.7	19.8
9 28	23 12.23	−17 56.6	2.593	3.522	7.1	20.0
10 8	23 6.63	−18 21.6	2.681	3.538	9.6	20.2
10 18	23 2.55	−18 31.0	2.792	3.554	11.7	20.4

313945 2004 RN_{159} 9 12.5 128°.43 1°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.00	+ 4 1.4	2.279	3.114	12.4	21.2
8 19	23 37.97	+ 3 20.6	2.202	3.117	9.5	21.0
8 29	23 32.44	+ 2 25.1	2.149	3.120	6.2	20.8
9 8	23 25.92	+ 1 18.3	2.123	3.123	2.7	20.6
9 18	23 19.07	+ 0 5.1	2.125	3.125	2.0	20.5
9 28	23 12.63	− 1 8.6	2.155	3.128	5.3	20.8
10 8	23 7.29	− 2 16.8	2.213	3.131	8.6	21.0
10 18	23 3.55	− 3 15.0	2.296	3.133	11.6	21.2

511370 2014 FQ_{57} 9 12.5 164°.44 1°.2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.75	+ 2 36.6	2.583	3.411	11.3	22.3
8 19	23 40.55	+ 2 9.6	2.506	3.417	8.6	22.2
8 29	23 33.92	+ 1 31.1	2.453	3.423	5.6	22.0
9 8	23 26.37	+ 0 43.8	2.427	3.428	2.4	21.8
9 18	23 18.53	− 0 8.4	2.432	3.432	1.8	21.7
9 28	23 11.08	− 1 1.1	2.466	3.436	4.9	22.0
10 8	23 4.68	− 1 49.6	2.528	3.439	8.0	22.2
10 18	22 59.79	− 2 30.4	2.616	3.441	10.7	22.3

106976 2000 YP_{92} 9 12.5 299°.40 3°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.06	+ 7 1.0	1.370	2.219	18.3	19.5
8 19	23 41.32	+ 6 52.8	1.292	2.210	14.5	19.2
8 29	23 35.00	+ 6 19.8	1.233	2.200	10.1	18.9
9 8	23 26.84	+ 5 23.9	1.196	2.191	5.6	18.6
9 18	23 17.90	+ 4 10.4	1.183	2.182	4.0	18.5
9 28	23 9.55	+ 2 48.6	1.196	2.173	7.9	18.7
10 8	23 3.01	+ 1 29.1	1.232	2.165	12.6	19.0
10 18	22 59.15	+ 0 20.9	1.289	2.156	16.9	19.2

99146 2001 FH_{117} 9 12.5 255°.72 8°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.33	−28 46.8	1.997	2.857	12.9	19.1
8 19	23 49.01	−29 35.5	1.931	2.843	10.7	19.0
8 29	23 39.33	−30 13.4	1.889	2.830	9.1	18.8
9 8	23 28.11	−30 32.3	1.872	2.815	8.8	18.8
9 18	23 16.45	−30 26.4	1.881	2.801	10.1	18.9
9 28	23 5.57	−29 53.2	1.915	2.786	12.3	19.0
10 8	22 56.52	−28 54.2	1.973	2.772	14.7	19.1
10 18	22 49.99	−27 33.5	2.050	2.756	17.0	19.3

516243 2016 UN_{74} 9 12.5 272°.46 3°.7/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.88	−12 42.7	1.840	2.718	13.0	21.2
8 19	23 43.41	−13 17.0	1.774	2.717	9.6	20.9
8 29	23 35.89	−13 53.7	1.732	2.715	6.1	20.7
9 8	23 27.03	−14 26.7	1.716	2.713	3.7	20.6
9 18	23 17.76	−14 50.2	1.726	2.712	5.3	20.7
9 28	23 9.14	−14 59.8	1.764	2.710	8.7	20.9
10 8	23 2.07	−14 53.1	1.827	2.708	12.2	21.1
10 18	22 57.19	−14 30.0	1.911	2.706	15.2	21.3

45372 2000 AT_{113} 9 12.5 257°.38 7°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.72	+17 33.7	2.021	2.785	16.1	19.0
8 19	23 41.18	+18 2.1	1.929	2.777	13.7	18.8
8 29	23 34.65	+18 8.1	1.857	2.768	11.1	18.6
9 8	23 26.69	+17 49.8	1.808	2.758	8.6	18.5
9 18	23 18.12	+17 8.3	1.783	2.749	7.2	18.4
9 28	23 9.92	+16 7.5	1.785	2.740	7.9	18.4
10 8	23 3.02	+14 54.5	1.812	2.730	10.2	18.5
10 18	22 58.15	+13 37.3	1.864	2.720	13.0	18.7

208016 1998 TK_{11} 9 12.5 208°.41 1°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.78	+ 3 37.2	2.148	2.983	13.0	20.9
8 19	23 40.18	+ 3 11.5	2.065	2.980	10.0	20.7
8 29	23 33.87	+ 2 30.9	2.006	2.976	6.6	20.5
9 8	23 26.40	+ 1 38.5	1.972	2.972	3.0	20.2
9 18	23 18.51	+ 0 38.6	1.967	2.967	2.2	20.2
9 28	23 11.04	− 0 22.9	1.990	2.963	5.7	20.4
10 8	23 4.76	− 1 20.1	2.040	2.958	9.2	20.6
10 18	23 0.26	− 2 8.3	2.115	2.952	12.4	20.8

97805 2000 OJ_{15} 9 12.5 156°.53 2°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.60	− 7 4.8	1.467	2.348	15.5	19.3
8 19	23 43.60	− 8 11.5	1.407	2.352	11.4	19.1
8 29	23 36.18	− 9 28.9	1.369	2.355	6.9	18.9
9 8	23 27.16	−10 48.8	1.356	2.359	3.1	18.6
9 18	23 17.63	−12 1.8	1.369	2.361	5.0	18.8
9 28	23 8.89	−12 59.3	1.408	2.364	9.5	19.0
10 8	23 2.01	−13 36.3	1.471	2.366	13.7	19.3
10 18	22 57.70	−13 50.9	1.554	2.367	17.3	19.5

95178 2002 AD_{202} 9 12.5 254°.35 4°.6/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.63	−12 55.1	1.881	2.764	12.5	19.5
8 19	23 41.14	−14 19.5	1.805	2.750	9.3	19.3
8 29	23 34.62	−15 49.6	1.753	2.735	6.2	19.1
9 8	23 26.68	−17 17.1	1.728	2.720	4.6	19.0
9 18	23 18.16	−18 33.7	1.730	2.704	6.5	19.0
9 28	23 10.10	−19 32.1	1.759	2.688	9.8	19.2
10 8	23 3.43	−20 8.0	1.811	2.672	13.2	19.4
10 18	22 58.86	−20 20.6	1.884	2.656	16.2	19.6

318498 2005 EZ_{138} 9 12.5 102°.17 0°.5/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.18	− 1 51.4	1.552	2.416	15.7	21.2
8 19	23 43.75	− 2 36.3	1.499	2.434	11.6	21.0
8 29	23 36.11	− 3 35.1	1.468	2.451	7.0	20.8
9 8	23 27.09	− 4 41.6	1.463	2.468	2.1	20.5
9 18	23 17.77	− 5 48.0	1.484	2.484	3.0	20.6
9 28	23 9.28	− 6 46.8	1.532	2.500	7.6	21.0
10 8	23 2.60	− 7 31.9	1.606	2.515	11.8	21.2
10 18	22 58.31	− 8 0.2	1.701	2.530	15.3	21.5

404076 2012 DM_{79} 9 12.5 235°.49 2°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.04	−11 28.1	2.532	3.402	10.2	21.4
8 19	23 40.14	−12 10.2	2.454	3.393	7.5	21.2
8 29	23 33.75	−12 55.4	2.401	3.383	4.7	21.1
9 8	23 26.36	−13 39.3	2.375	3.373	2.8	20.9
9 18	23 18.61	−14 17.1	2.378	3.363	4.1	21.0
9 28	23 11.23	−14 44.8	2.410	3.352	6.9	21.1
10 8	23 4.90	−14 59.6	2.468	3.342	9.7	21.3
10 18	23 0.12	−15 0.5	2.550	3.330	12.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
508127 2015 EH_{28}			9 12.5 193°.76		0°.2/12.4 17	
	h m	° ′			°	m
8 9	23 49.29	− 2 6.6	1.808	2.664	14.2	22.4
8 19	23 43.79	− 2 34.7	1.733	2.663	10.6	22.2
8 29	23 36.19	− 3 15.1	1.680	2.661	6.5	21.9
9 8	23 27.16	− 4 3.2	1.654	2.658	2.0	21.7
9 18	23 17.63	− 4 53.4	1.655	2.655	2.6	21.7
9 28	23 8.66	− 5 39.2	1.684	2.652	7.1	22.0
10 8	23 1.23	− 6 15.3	1.739	2.647	11.2	22.2
10 18	22 55.99	− 6 38.1	1.817	2.643	14.6	22.4
189599 2000 WD_{126}			9 12.5 354°.68		1°.6/11.5 18	
8 9	23 43.47	− 6 27.0	1.087	1.991	18.0	18.3
8 19	23 40.48	− 6 33.6	1.027	1.983	13.4	18.0
8 29	23 34.60	− 6 51.3	0.986	1.976	8.1	17.7
9 8	23 26.74	− 7 13.8	0.966	1.972	2.7	17.4
9 18	23 18.18	− 7 34.0	0.969	1.969	4.2	17.5
9 28	23 10.49	− 7 44.4	0.995	1.968	9.8	17.8
10 8	23 5.00	− 7 39.9	1.041	1.968	15.0	18.1
10 18	23 2.51	− 7 18.3	1.106	1.970	19.3	18.4
470585 2008 JQ_{14}			9 12.5 65°.18		4°.5/17.5 16 C	
8 9	23 54.04	+14 10.6	1.610	2.398	18.7	22.9
8 19	23 46.83	+13 16.5	1.580	2.456	14.8	22.8
8 29	23 37.65	+11 55.6	1.571	2.512	10.5	22.6
9 8	23 27.50	+10 13.2	1.586	2.567	6.5	22.5
9 18	23 17.45	+ 8 17.5	1.630	2.621	4.6	22.5
9 28	23 8.60	+ 6 19.0	1.702	2.673	6.6	22.8
10 8	23 1.74	+ 4 27.8	1.802	2.724	10.0	23.1
10 18	22 57.27	+ 2 51.1	1.927	2.774	13.1	23.4
85368 1996 CQ_{7}			9 12.5 180°.64		0°.8/11.7 18	
8 9	23 48.40	− 3 34.7	2.076	2.932	12.7	20.3
8 19	23 42.87	− 4 16.4	2.002	2.933	9.4	20.1
8 29	23 35.51	− 5 8.2	1.952	2.934	5.7	19.8
9 8	23 26.94	− 6 5.4	1.929	2.934	1.7	19.6
9 18	23 17.97	− 7 2.2	1.935	2.934	2.7	19.7
9 28	23 9.51	− 7 52.9	1.970	2.933	6.7	19.9
10 8	23 2.38	− 8 32.7	2.032	2.930	10.3	20.1
10 18	22 57.17	− 8 58.8	2.117	2.928	13.4	20.3
47701 2000 DA_{1}			9 12.5 181°.51		0°.4/12.9 18	
8 9	23 48.31	− 1 29.3	2.197	3.043	12.4	19.3
8 19	23 42.71	− 1 40.1	2.119	3.043	9.3	19.1
8 29	23 35.38	− 2 0.6	2.066	3.044	5.8	18.9
9 8	23 26.90	− 2 27.7	2.040	3.044	2.0	18.6
9 18	23 18.03	− 2 57.6	2.042	3.043	2.1	18.6
9 28	23 9.64	− 3 26.0	2.074	3.042	5.9	18.9
10 8	23 2.50	− 3 48.6	2.132	3.041	9.4	19.1
10 18	22 57.20	− 4 2.7	2.215	3.039	12.4	19.3
165178 2000 QO_{164}			9 12.5 43°.71		3°.3/14.9 18	
8 9	23 46.54	+ 5 27.3	1.153	2.018	20.0	19.6
8 19	23 42.49	+ 5 19.8	1.100	2.028	15.6	19.4
8 29	23 35.68	+ 4 46.8	1.065	2.038	10.5	19.1
9 8	23 27.04	+ 3 52.1	1.051	2.050	5.3	18.9
9 18	23 17.89	+ 2 43.0	1.061	2.061	3.7	18.9
9 28	23 9.72	+ 1 29.8	1.095	2.073	8.2	19.2
10 8	23 3.73	+ 0 23.3	1.151	2.086	13.1	19.5
10 18	23 0.66	− 0 29.1	1.228	2.099	17.4	19.8
332332 2007 BM_{37}			9 12.5 155°.61		1°.2/13.6 17	
8 9	23 47.82	+ 1 17.1	1.652	2.505	15.5	20.9
8 19	23 42.84	+ 0 59.3	1.581	2.507	11.8	20.7
8 29	23 35.67	+ 0 25.8	1.533	2.509	7.5	20.5
9 8	23 27.02	− 0 19.8	1.509	2.511	3.0	20.2
9 18	23 17.88	− 1 11.8	1.511	2.513	2.5	20.2
9 28	23 9.38	− 2 3.3	1.541	2.514	7.0	20.5
10 8	23 2.49	− 2 47.9	1.596	2.515	11.2	20.7
10 18	22 57.92	− 3 20.6	1.674	2.516	14.9	21.0
70840 1999 VO_{96}			9 12.5 105°.89		1°.9/10.8 18	
8 9	23 46.86	− 6 46.7	1.787	2.660	13.6	19.7
8 19	23 41.93	− 7 26.8	1.723	2.664	10.0	19.5
8 29	23 35.01	− 8 15.1	1.683	2.668	6.0	19.2
9 8	23 26.79	− 9 5.8	1.668	2.672	2.3	19.0
9 18	23 18.19	− 9 52.6	1.680	2.676	3.8	19.1
9 28	23 10.21	−10 29.6	1.720	2.679	7.7	19.4
10 8	23 3.76	−10 52.6	1.785	2.683	11.5	19.6
10 18	22 59.42	−10 59.7	1.872	2.687	14.7	19.8
8177 1992 BO			9 12.5 102°.61		1°.9/11.2 18	
8 9	23 51.81	− 6 18.4	1.409	2.286	16.3	17.2
8 19	23 45.95	− 6 50.9	1.356	2.298	12.0	17.0
8 29	23 37.57	− 7 33.0	1.324	2.310	7.2	16.8
9 8	23 27.61	− 8 18.1	1.317	2.322	2.5	16.5
9 18	23 17.26	− 8 58.9	1.336	2.333	4.1	16.6
9 28	23 7.88	− 9 28.6	1.381	2.344	8.8	16.9
10 8	23 0.53	− 9 42.9	1.450	2.355	13.2	17.2
10 18	22 55.89	− 9 40.3	1.540	2.366	16.8	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
26431 1999 XT_{193}			9 12.5 176°.01		9°.7/ 3.9 18	
	h m	° ′			°	m
8 9	23 51.49	−25 46.5	1.550	2.434	14.7	18.9
8 19	23 45.80	−27 16.0	1.504	2.434	12.0	18.7
8 29	23 37.53	−28 36.0	1.481	2.435	10.0	18.6
9 8	23 27.61	−29 35.5	1.482	2.435	9.8	18.6
9 18	23 17.26	−30 6.4	1.506	2.435	11.5	18.7
9 28	23 7.86	−30 4.9	1.554	2.435	14.1	18.9
10 8	23 0.53	−29 32.1	1.622	2.435	16.8	19.1
10 18	22 55.95	−28 32.5	1.708	2.435	19.2	19.3
134834 2000 HO_{73}			9 12.5 56°.13		22°.0/28.4 16	
8 9	0 6.48	−48 19.7	1.048	1.887	23.4	19.3
8 19	23 58.52	−50 15.5	1.040	1.894	22.3	19.2
8 29	23 45.66	−51 27.4	1.047	1.901	22.0	19.3
9 8	23 30.07	−51 41.2	1.068	1.909	22.4	19.3
9 18	23 14.63	−50 51.6	1.104	1.917	23.4	19.4
9 28	23 2.05	−49 3.6	1.154	1.925	24.8	19.6
10 8	22 53.85	−46 29.9	1.217	1.933	26.2	19.7
10 18	22 50.35	−43 24.3	1.292	1.942	27.6	19.9
194914 2002 AT_{120}			9 12.5 142°.56		2°.9/ 9.7 18	
8 9	23 46.17	− 8 20.0	1.791	2.668	13.3	19.9
8 19	23 41.43	− 9 24.4	1.729	2.673	9.8	19.7
8 29	23 34.72	−10 36.5	1.691	2.677	5.9	19.4
9 8	23 26.71	−11 49.2	1.679	2.680	2.9	19.3
9 18	23 18.32	−12 55.1	1.694	2.684	4.7	19.4
9 28	23 10.54	−13 47.3	1.737	2.687	8.4	19.6
10 8	23 4.27	−14 21.8	1.804	2.690	12.0	19.9
10 18	23 0.10	−14 36.8	1.893	2.693	15.1	20.1
171149 2005 GY_{72}			9 12.5 167°.58		2°.0/10.7 17	
8 9	23 48.74	− 5 59.3	1.668	2.540	14.4	20.8
8 19	23 43.48	− 6 54.1	1.603	2.544	10.6	20.6
8 29	23 36.04	− 7 59.2	1.561	2.547	6.4	20.4
9 8	23 27.15	− 9 7.9	1.545	2.549	2.4	20.1
9 18	23 17.80	−10 12.5	1.556	2.551	4.1	20.3
9 28	23 9.12	−11 5.6	1.594	2.552	8.3	20.5
10 8	23 2.10	−11 42.2	1.657	2.553	12.3	20.8
10 18	22 57.40	−12 0.1	1.742	2.554	15.7	21.0
271925 2004 XO_{100}			9 12.5 297°.41		3°.4/ 8.7 18	
8 9	23 43.77	−12 14.3	2.201	3.079	11.1	20.1
8 19	23 39.44	−13 4.6	2.126	3.069	8.2	19.9
8 29	23 33.43	−13 58.3	2.076	3.059	5.2	19.7
9 8	23 26.32	−14 49.9	2.053	3.050	3.4	19.6
9 18	23 18.80	−15 33.7	2.058	3.040	4.9	19.7
9 28	23 11.70	−16 5.0	2.090	3.030	7.9	19.9
10 8	23 5.79	−16 20.6	2.147	3.021	10.9	20.0
10 18	23 1.61	−16 19.7	2.226	3.011	13.6	20.2
112876 2002 QP_{40}			9 12.5 340°.30		7°.5/22.5 18	
8 9	23 38.90	+25 35.5	1.562	2.308	20.8	18.8
8 19	23 36.58	+24 12.9	1.465	2.297	18.1	18.6
8 29	23 32.03	+22 2.4	1.384	2.287	14.6	18.3
9 8	23 25.94	+19 2.7	1.326	2.278	10.9	18.1
9 18	23 19.24	+15 20.0	1.293	2.270	7.9	17.9
9 28	23 13.11	+11 9.4	1.290	2.262	8.1	17.9
10 8	23 8.60	+ 6 52.4	1.317	2.256	11.4	18.1
10 18	23 6.42	+ 2 50.2	1.372	2.250	15.4	18.3
511303 2014 DO_{78}			9 12.5 116°.25		3°.5/ 8.9 18	
8 9	23 45.91	−11 0.2	1.893	2.773	12.6	21.7
8 19	23 41.15	−11 59.8	1.833	2.777	9.3	21.6
8 29	23 34.50	−13 3.9	1.797	2.781	5.8	21.4
9 8	23 26.65	−14 5.9	1.787	2.785	3.5	21.2
9 18	23 18.44	−14 59.0	1.805	2.789	5.1	21.3
9 28	23 10.84	−15 37.7	1.849	2.793	8.5	21.5
10 8	23 4.67	−15 58.6	1.919	2.797	11.8	21.8
10 18	23 0.51	−16 0.9	2.009	2.801	14.7	22.0
428606 2008 EV_{137}			9 12.5 175°.08		1°.0/11.5 17	
8 9	23 48.10	− 3 32.9	1.808	2.671	13.9	22.3
8 19	23 42.88	− 4 22.2	1.739	2.674	10.3	22.1
8 29	23 35.63	− 5 23.3	1.692	2.676	6.2	21.9
9 8	23 27.03	− 6 30.5	1.672	2.677	1.9	21.6
9 18	23 17.98	− 7 36.9	1.679	2.678	3.1	21.7
9 28	23 9.52	− 8 35.4	1.715	2.678	7.4	21.9
10 8	23 2.57	− 9 20.7	1.776	2.677	11.4	22.2
10 18	22 57.77	− 9 49.5	1.860	2.676	14.7	22.4
244147 2001 WX_{24}			9 12.5 3°.04		7°.8/19.9 18	
8 9	23 38.60	+15 44.2	1.346	2.166	20.1	18.7
8 19	23 36.48	+16 8.2	1.279	2.165	16.9	18.5
8 29	23 32.02	+16 1.0	1.228	2.165	13.3	18.3
9 8	23 25.95	+15 21.7	1.198	2.166	9.9	18.1
9 18	23 19.27	+14 13.2	1.189	2.169	7.8	18.0
9 28	23 13.24	+12 43.6	1.203	2.174	8.8	18.1
10 8	23 8.94	+11 4.5	1.241	2.180	11.9	18.3
10 18	23 7.10	+ 9 27.6	1.300	2.188	15.4	18.5

405825 2006 BC_{137} 9 12.5 216°.43 0°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.42	− 5 1.3	2.623	3.481	10.3	22.1
8 19	23 38.90	− 5 38.5	2.543	3.476	7.6	21.9
8 29	23 32.99	− 6 22.8	2.488	3.470	4.5	21.7
9 8	23 26.18	− 7 10.5	2.460	3.465	1.5	21.4
9 18	23 19.03	− 7 57.3	2.462	3.459	2.4	21.5
9 28	23 12.23	− 8 38.9	2.493	3.453	5.6	21.7
10 8	23 6.39	− 9 11.7	2.551	3.447	8.6	21.9
10 18	23 2.00	− 9 33.5	2.634	3.440	11.2	22.1

260008 2004 FK_{126} 9 12.5 166°.50 0°.1/12.6 17

8 9	23 47.67	− 0 31.9	1.837	2.691	14.1	21.7
8 19	23 42.53	− 1 12.2	1.766	2.695	10.6	21.5
8 29	23 35.41	− 2 6.3	1.719	2.698	6.5	21.2
9 8	23 26.97	− 3 9.5	1.697	2.701	2.1	21.0
9 18	23 18.09	− 4 15.6	1.703	2.704	2.4	21.0
9 28	23 9.80	− 5 17.5	1.737	2.705	6.8	21.3
10 8	23 2.98	− 6 9.3	1.797	2.707	10.8	21.5
10 18	22 58.26	− 6 46.8	1.881	2.708	14.1	21.7

315921 2008 SL_{23} 9 12.5 287°.31 0°.2/12.9 18

8 9	23 38.81	− 2 10.5	4.311	5.151	6.9	20.9
8 19	23 35.03	− 2 20.3	4.221	5.142	5.2	20.8
8 29	23 30.45	− 2 34.8	4.157	5.133	3.2	20.7
9 8	23 25.35	− 2 52.4	4.121	5.125	1.1	20.5
9 18	23 20.06	− 3 11.4	4.115	5.116	1.1	20.5
9 28	23 14.96	− 3 29.6	4.140	5.107	3.3	20.6
10 8	23 10.38	− 3 45.1	4.193	5.098	5.2	20.8
10 18	23 6.63	− 3 56.4	4.273	5.090	7.0	20.9

32465 2000 SM_{141} 9 12.5 224°.72 4°.4/17.5 18

8 9	23 44.53	+11 38.7	2.308	3.101	13.6	18.8
8 19	23 39.98	+11 45.7	2.221	3.097	11.1	18.6
8 29	23 33.78	+11 35.1	2.155	3.094	8.3	18.4
9 8	23 26.46	+11 7.7	2.114	3.090	5.6	18.2
9 18	23 18.71	+10 25.4	2.100	3.086	4.4	18.1
9 28	23 11.32	+ 9 32.8	2.115	3.082	5.9	18.2
10 8	23 5.05	+ 8 35.5	2.156	3.078	8.6	18.4
10 18	23 0.47	+ 7 39.2	2.222	3.073	11.4	18.6

315164 2007 FB_{32} 9 12.5 90°.61 0°.9/13.6 18

8 9	23 43.42	+ 1 25.6	2.397	3.238	11.7	21.1
8 19	23 38.90	+ 0 56.4	2.333	3.252	8.8	20.9
8 29	23 32.98	+ 0 15.9	2.292	3.266	5.6	20.7
9 8	23 26.17	− 0 32.6	2.278	3.280	2.2	20.5
9 18	23 19.11	− 1 24.9	2.293	3.294	1.8	20.5
9 28	23 12.52	− 2 16.1	2.337	3.308	5.1	20.8
10 8	23 7.01	− 3 1.8	2.408	3.322	8.2	21.0
10 18	23 3.04	− 3 38.5	2.504	3.335	10.9	21.2

480138 2015 FF_{158} 9 12.5 46°.69 2°.7/10.2 16

8 9	23 45.42	− 6 51.0	1.411	2.299	15.6	20.3
8 19	23 41.20	− 7 52.6	1.362	2.311	11.4	20.1
8 29	23 34.69	− 9 4.2	1.336	2.324	6.8	19.9
9 8	23 26.74	−10 17.5	1.334	2.337	2.9	19.7
9 18	23 18.45	−11 23.6	1.357	2.351	4.8	19.8
9 28	23 11.01	−12 14.7	1.406	2.365	9.1	20.1
10 8	23 5.40	−12 46.0	1.478	2.379	13.2	20.4
10 18	23 2.23	−12 56.2	1.570	2.394	16.6	20.7

297178 2010 WF_{24} 9 12.5 287°.73 6°.1/27.0 16

8 9	23 38.42	+31 25.9	4.475	5.081	9.8	20.4
8 19	23 34.88	+31 43.1	4.371	5.073	8.9	20.3
8 29	23 30.43	+31 45.7	4.285	5.065	7.9	20.2
9 8	23 25.36	+31 32.7	4.220	5.056	7.0	20.2
9 18	23 20.05	+31 4.3	4.179	5.048	6.3	20.1
9 28	23 14.91	+30 21.7	4.163	5.040	6.1	20.1
10 8	23 10.36	+29 27.4	4.173	5.031	6.4	20.1
10 18	23 6.73	+28 24.8	4.208	5.023	7.2	20.2

393749 2005 EL_{167} 9 12.5 285°.43 0°.7/13.2 18

8 9	23 44.89	+ 0 27.1	1.805	2.662	14.2	21.9
8 19	23 40.72	− 0 0.1	1.714	2.643	10.8	21.7
8 29	23 34.47	− 0 42.5	1.646	2.624	6.9	21.4
9 8	23 26.74	− 1 36.6	1.602	2.606	2.5	21.1
9 18	23 18.34	− 2 37.0	1.585	2.587	2.4	21.0
9 28	23 10.33	− 3 36.7	1.596	2.568	6.9	21.3
10 8	23 3.67	− 4 28.8	1.632	2.549	11.2	21.5
10 18	22 59.12	− 5 8.3	1.691	2.530	14.9	21.7

255482 2005 YS_{214} 9 12.5 253°.13 5°.1/ 7.0 18

8 9	23 48.19	−19 44.3	2.404	3.276	10.6	20.5
8 19	23 42.58	−20 25.1	2.333	3.267	8.1	20.3
8 29	23 35.30	−21 3.0	2.288	3.257	5.9	20.1
9 8	23 26.92	−21 32.5	2.269	3.248	5.1	20.1
9 18	23 18.19	−21 49.0	2.279	3.238	6.3	20.1
9 28	23 9.95	−21 49.3	2.316	3.228	8.7	20.3
10 8	23 2.94	−21 32.3	2.378	3.218	11.2	20.4
10 18	22 57.71	−20 58.8	2.462	3.208	13.5	20.6

264076 2009 SM_{198} 9 12.5 294°.57 0°.2/12.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 38.57	− 3 46.0	4.215	5.061	6.9	21.2
8 19	23 34.87	− 4 0.4	4.127	5.054	5.1	21.0
8 29	23 30.36	− 4 19.0	4.066	5.046	3.1	20.9
9 8	23 25.33	− 4 40.2	4.033	5.038	1.0	20.7
9 18	23 20.11	− 5 1.9	4.030	5.030	1.3	20.7
9 28	23 15.08	− 5 22.0	4.058	5.023	3.4	20.9
10 8	23 10.60	− 5 38.5	4.114	5.015	5.4	21.0
10 18	23 6.96	− 5 49.8	4.196	5.007	7.2	21.1

63873 2001 RF_{135} 9 12.5 289°.62 3°.9/ 8.9 18

8 9	23 47.86	−13 28.5	1.923	2.802	12.5	19.5
8 19	23 42.75	−14 5.3	1.845	2.787	9.3	19.3
8 29	23 35.60	−14 44.4	1.791	2.773	6.0	19.1
9 8	23 27.06	−15 19.7	1.763	2.759	3.9	18.9
9 18	23 18.01	−15 45.4	1.762	2.745	5.5	19.0
9 28	23 9.45	−15 56.6	1.789	2.731	8.8	19.1
10 8	23 2.33	−15 50.9	1.840	2.717	12.3	19.3
10 18	22 57.32	−15 27.8	1.912	2.703	15.3	19.5

132993 2002 TK_{234} 9 12.5 11°.08 8°.8/19.8 18

8 9	23 45.09	+16 9.8	1.448	2.249	19.8	18.5
8 19	23 41.24	+17 12.1	1.381	2.252	16.8	18.3
8 29	23 34.92	+17 47.4	1.332	2.256	13.5	18.1
9 8	23 26.89	+17 53.0	1.303	2.261	10.5	17.9
9 18	23 18.21	+17 29.4	1.297	2.267	8.8	17.8
9 28	23 10.18	+16 41.5	1.314	2.273	9.6	17.9
10 8	23 3.96	+15 38.5	1.355	2.281	12.2	18.1
10 18	23 0.32	+14 30.4	1.416	2.290	15.3	18.3

263804 2008 RD_{31} 9 12.5 293°.54 0°.2/12.9 16

8 9	23 36.71	− 1 9.6	4.322	5.162	6.9	20.4
8 19	23 33.50	− 1 36.2	4.233	5.155	5.1	20.2
8 29	23 29.53	− 2 8.3	4.171	5.148	3.2	20.1
9 8	23 25.07	− 2 44.1	4.138	5.141	1.1	19.9
9 18	23 20.43	− 3 21.5	4.134	5.135	1.1	19.9
9 28	23 15.97	− 3 57.9	4.160	5.128	3.2	20.1
10 8	23 12.02	− 4 31.2	4.216	5.121	5.2	20.2
10 18	23 8.86	− 4 59.3	4.297	5.115	7.0	20.3

319423 2006 HN_{86} 9 12.5 226°.81 2°.0/10.2 18

8 9	23 46.23	− 6 50.9	2.280	3.144	11.4	21.2
8 19	23 41.27	− 7 50.7	2.195	3.131	8.4	21.0
8 29	23 34.59	− 8 58.8	2.134	3.118	5.1	20.7
9 8	23 26.74	−10 10.0	2.101	3.104	2.2	20.5
9 18	23 18.41	−11 18.1	2.097	3.089	3.6	20.6
9 28	23 10.44	−12 17.2	2.123	3.074	7.1	20.8
10 8	23 3.61	−13 2.8	2.175	3.058	10.4	21.0
10 18	22 58.51	−13 32.4	2.250	3.041	13.3	21.1

102420 1999 TC_{190} 9 12.5 315°.62 0°.1/12.5 18

8 9	23 51.14	− 4 39.6	1.523	2.393	15.7	19.2
8 19	23 45.75	− 4 19.1	1.438	2.375	11.9	18.9
8 29	23 37.74	− 4 6.6	1.375	2.357	7.4	18.6
9 8	23 27.82	− 3 59.2	1.335	2.340	2.4	18.2
9 18	23 17.08	− 3 53.1	1.323	2.324	2.9	18.2
9 28	23 6.87	− 3 44.1	1.336	2.308	8.0	18.5
10 8	22 58.44	− 3 28.5	1.374	2.292	12.8	18.7
10 18	22 52.68	− 3 3.9	1.434	2.277	16.9	19.0

375171 2008 CG_{215} 9 12.5 230°.89 1°.7/13.4 18

8 9	23 57.75	− 1 40.1	1.527	2.377	16.7	21.0
8 19	23 50.54	− 0 58.7	1.450	2.374	12.8	20.7
8 29	23 40.58	− 0 26.8	1.396	2.371	8.2	20.5
9 8	23 28.69	− 0 3.3	1.366	2.368	3.3	20.2
9 18	23 16.09	+ 0 14.0	1.364	2.365	2.9	20.1
9 28	23 4.22	+ 0 28.5	1.390	2.362	7.8	20.4
10 8	22 54.37	+ 0 44.0	1.442	2.358	12.4	20.7
10 18	22 47.39	+ 1 3.7	1.516	2.354	16.4	20.9

162809 2001 AW_{34} 9 12.5 184°.46 0°.9/13.5 18 R

8 9	23 47.55	+ 0 45.7	2.140	2.981	12.9	20.5
8 19	23 42.24	+ 0 28.1	2.062	2.982	9.8	20.3
8 29	23 35.16	− 0 1.6	2.007	2.981	6.2	20.1
9 8	23 26.91	− 0 40.4	1.978	2.981	2.4	19.8
9 18	23 18.25	− 1 23.9	1.979	2.980	2.1	19.8
9 28	23 10.05	− 2 7.2	2.008	2.978	5.8	20.0
10 8	23 3.11	− 2 45.1	2.064	2.976	9.4	20.3
10 18	22 58.02	− 3 14.0	2.144	2.973	12.5	20.5

228863 2003 GO_{32} 9 12.5 206°.04 1°.9/10.7 18

8 9	23 46.30	− 5 41.6	1.773	2.645	13.7	20.4
8 19	23 41.64	− 6 38.1	1.702	2.643	10.1	20.2
8 29	23 34.94	− 7 45.2	1.655	2.640	6.1	20.0
9 8	23 26.86	− 8 56.5	1.633	2.637	2.3	19.7
9 18	23 18.31	−10 4.6	1.639	2.634	3.9	19.8
9 28	23 10.31	−11 2.2	1.673	2.631	8.0	20.1
10 8	23 3.81	−11 44.2	1.731	2.628	11.9	20.3
10 18	22 59.44	−12 7.8	1.811	2.624	15.2	20.5

213499 2002 GY_{50} 9 12.5 66°.76 0°.6/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.58	− 0 45.6	1.269	2.147	17.7	20.0
8 19	23 42.23	− 1 48.4	1.222	2.163	13.1	19.8
8 29	23 35.39	− 3 9.5	1.195	2.180	7.9	19.5
9 8	23 26.99	− 4 40.6	1.192	2.197	2.4	19.3
9 18	23 18.23	− 6 11.3	1.214	2.215	3.4	19.4
9 28	23 10.43	− 7 31.1	1.262	2.232	8.6	19.7
10 8	23 4.66	− 8 32.4	1.333	2.249	13.2	20.1
10 18	23 1.54	− 9 11.5	1.424	2.266	17.1	20.3

420375 2012 BS_{126} 9 12.5 244°.06 2°.6/10.6 17

8 9	23 50.61	− 7 53.8	1.476	2.356	15.6	21.8
8 19	23 45.30	− 8 31.5	1.404	2.348	11.6	21.5
8 29	23 37.40	− 9 18.4	1.353	2.339	7.0	21.2
9 8	23 27.69	−10 7.6	1.327	2.330	2.9	21.0
9 18	23 17.30	−10 51.4	1.327	2.321	4.7	21.0
9 28	23 7.58	−11 22.5	1.353	2.312	9.4	21.3
10 8	22 59.75	−11 36.3	1.403	2.303	13.9	21.5
10 18	22 54.60	−11 31.1	1.473	2.293	17.7	21.8

514419 2016 TX_{96} 9 12.5 7°.28 2°.7/15.2 18

8 9	23 44.49	+ 5 46.1	1.858	2.694	14.8	21.1
8 19	23 40.22	+ 5 33.3	1.783	2.694	11.5	20.9
8 29	23 34.04	+ 5 2.8	1.728	2.694	7.9	20.7
9 8	23 26.58	+ 4 17.0	1.699	2.694	4.1	20.5
9 18	23 18.66	+ 3 20.3	1.696	2.694	3.0	20.4
9 28	23 11.24	+ 2 19.0	1.720	2.695	6.2	20.6
10 8	23 5.20	+ 1 20.1	1.770	2.695	9.9	20.8
10 18	23 1.15	+ 0 29.3	1.844	2.696	13.3	21.1

293536 2007 HL 9 12.5 11°.65 6°.4/ 5.4 18

8 9	23 44.71	−20 41.3	2.030	2.916	11.7	20.0
8 19	23 40.24	−21 54.0	1.978	2.917	9.0	19.8
8 29	23 33.96	−23 3.2	1.950	2.918	6.9	19.7
9 8	23 26.53	−24 1.4	1.948	2.919	6.4	19.7
9 18	23 18.77	−24 42.4	1.972	2.921	7.9	19.8
9 28	23 11.59	−25 2.1	2.021	2.922	10.3	19.9
10 8	23 5.81	−24 59.4	2.093	2.924	12.9	20.1
10 18	23 1.96	−24 35.6	2.185	2.927	15.1	20.3

167201 2003 TE_{20} 9 12.5 32°.79 7°.6/20.5 18

8 9	23 42.41	+17 57.5	1.499	2.292	19.6	19.7
8 19	23 39.08	+18 3.0	1.434	2.301	16.5	19.5
8 29	23 33.50	+17 37.1	1.387	2.311	13.1	19.3
9 8	23 26.43	+16 39.4	1.360	2.322	9.7	19.1
9 18	23 18.88	+15 13.7	1.357	2.333	7.7	19.1
9 28	23 12.02	+13 28.6	1.378	2.345	8.4	19.1
10 8	23 6.86	+11 35.7	1.424	2.357	11.2	19.3
10 18	23 4.07	+ 9 46.3	1.493	2.370	14.4	19.6

451316 2010 UZ_{67} 9 12.5 24°.36 1°.3/11.4 15

8 9	23 47.98	− 7 1.2	1.855	2.725	13.3	21.3
8 19	23 42.70	− 7 10.4	1.790	2.729	9.8	21.1
8 29	23 35.49	− 7 25.7	1.748	2.733	5.9	20.9
9 8	23 27.02	− 7 43.1	1.733	2.737	2.0	20.6
9 18	23 18.19	− 7 58.1	1.744	2.742	3.1	20.7
9 28	23 10.00	− 8 6.4	1.784	2.747	7.1	21.0
10 8	23 3.30	− 8 4.8	1.849	2.753	10.8	21.2
10 18	22 58.68	− 7 51.9	1.936	2.759	14.0	21.4

298689 2004 DO_{61} 9 12.5 277°.66 1°.0/13.5 18

8 9	23 46.11	+ 0 36.4	1.980	2.829	13.5	21.3
8 19	23 41.49	+ 0 21.6	1.885	2.809	10.3	21.1
8 29	23 34.90	− 0 6.4	1.813	2.789	6.6	20.8
9 8	23 26.90	− 0 44.8	1.766	2.769	2.6	20.5
9 18	23 18.26	− 1 29.4	1.747	2.748	2.2	20.5
9 28	23 9.96	− 2 14.5	1.756	2.727	6.4	20.7
10 8	23 2.91	− 2 54.4	1.791	2.707	10.4	20.9
10 18	22 57.83	− 3 24.6	1.849	2.686	13.9	21.1

140473 2001 TK_{135} 9 12.5 251°.29 3°.7/16.6 18

8 9	23 44.77	+ 9 17.0	2.220	3.027	13.6	20.0
8 19	23 40.26	+ 9 16.4	2.127	3.017	10.9	19.8
8 29	23 34.03	+ 8 58.8	2.057	3.006	7.9	19.6
9 8	23 26.59	+ 8 25.1	2.011	2.996	5.0	19.4
9 18	23 18.66	+ 7 37.9	1.993	2.985	3.8	19.3
9 28	23 11.07	+ 6 42.0	2.003	2.974	5.8	19.4
10 8	23 4.61	+ 5 43.5	2.040	2.963	8.9	19.6
10 18	22 59.90	+ 4 48.1	2.102	2.952	12.0	19.8

7861 Messenger 9 12.5 39°.49 1°.1/13.4 18

8 9	23 47.19	+ 0 25.7	1.228	2.103	18.3	17.4
8 19	23 42.78	+ 0 14.0	1.180	2.117	13.8	17.2
8 29	23 35.78	− 0 15.9	1.151	2.132	8.7	16.9
9 8	23 27.14	− 0 58.9	1.144	2.148	3.3	16.7
9 18	23 18.11	− 1 47.8	1.162	2.164	2.8	16.7
9 28	23 10.07	− 2 34.2	1.205	2.180	8.0	17.1
10 8	23 4.13	− 3 10.9	1.270	2.198	12.8	17.4
10 18	23 0.92	− 3 33.2	1.356	2.215	16.7	17.7

505389 2013 PL_{34} 9 12.5 109°.13 4°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.70	+ 7 38.7	1.486	2.319	17.9	21.4
8 19	23 44.45	+ 7 43.5	1.422	2.329	14.2	21.2
8 29	23 36.77	+ 7 26.1	1.378	2.339	9.9	21.0
9 8	23 27.47	+ 6 48.2	1.357	2.348	5.8	20.8
9 18	23 17.68	+ 5 54.5	1.361	2.357	4.2	20.7
9 28	23 8.65	+ 4 52.5	1.392	2.366	7.4	20.9
10 8	23 1.48	+ 3 51.0	1.447	2.375	11.5	21.2
10 18	22 56.90	+ 2 57.3	1.525	2.383	15.3	21.4

401683 2013 HF_{8} 9 12.5 121°.31 1°.0/13.8 18

8 9	23 43.21	+ 2 5.3	2.393	3.231	11.8	21.6
8 19	23 38.82	+ 1 32.7	2.321	3.239	8.9	21.4
8 29	23 32.99	+ 0 48.0	2.273	3.247	5.7	21.2
9 8	23 26.23	− 0 5.7	2.252	3.254	2.3	21.0
9 18	23 19.17	− 1 3.9	2.260	3.261	1.8	21.0
9 28	23 12.54	− 2 1.5	2.296	3.268	5.1	21.2
10 8	23 6.98	− 2 53.7	2.360	3.275	8.3	21.4
10 18	23 2.97	− 3 36.7	2.449	3.281	11.1	21.6

98864 2001 AR_{47} 9 12.5 158°.15 11°.5/30.5 18

8 9	23 58.91	−41 42.4	2.250	3.066	13.1	19.2
8 19	23 50.77	−42 54.7	2.222	3.072	12.0	19.1
8 29	23 40.31	−43 47.2	2.216	3.078	11.6	19.1
9 8	23 28.51	−44 12.4	2.233	3.083	11.8	19.1
9 18	23 16.55	−44 6.1	2.272	3.088	12.7	19.2
9 28	23 5.69	−43 28.1	2.333	3.092	14.0	19.3
10 8	22 56.91	−42 21.8	2.414	3.095	15.4	19.4
10 18	22 50.75	−40 52.7	2.511	3.098	16.6	19.5

226438 2003 SS_{40} 9 12.5 34°.08 1°.0/13.4 18

8 9	23 48.68	− 1 10.4	2.149	2.994	12.7	19.5
8 19	23 43.02	− 0 55.1	2.077	2.999	9.6	19.3
8 29	23 35.61	− 0 48.6	2.028	3.004	6.1	19.1
9 8	23 27.07	− 0 48.9	2.006	3.009	2.4	18.9
9 18	23 18.18	− 0 53.2	2.013	3.014	2.1	18.9
9 28	23 9.81	− 0 58.2	2.048	3.019	5.7	19.1
10 8	23 2.74	− 1 0.5	2.111	3.025	9.2	19.3
10 18	22 57.53	− 0 57.4	2.197	3.030	12.2	19.5

379166 2009 QV_{42} 9 12.5 13°.63 5°.3/ 9.2 15

8 9	23 45.50	−12 30.9	0.987	1.902	18.4	19.7
8 19	23 42.07	−13 13.7	0.945	1.906	13.6	19.5
8 29	23 35.57	−14 0.7	0.922	1.912	8.7	19.2
9 8	23 27.12	−14 41.4	0.919	1.919	5.4	19.1
9 18	23 18.20	−15 6.2	0.939	1.928	7.5	19.2
9 28	23 10.47	−15 8.3	0.980	1.938	12.2	19.5
10 8	23 5.20	−14 45.7	1.040	1.950	16.7	19.8
10 18	23 3.07	−14 0.4	1.119	1.963	20.6	20.1

478948 2012 XV_{45} 9 12.5 285°.47 3°.5/ 9.4 18

8 9	23 46.95	−10 51.6	1.723	2.605	13.5	21.4
8 19	23 42.26	−11 40.1	1.650	2.595	10.0	21.2
8 29	23 35.41	−12 34.2	1.599	2.584	6.3	21.0
9 8	23 27.07	−13 27.2	1.575	2.574	3.6	20.8
9 18	23 18.17	−14 12.0	1.577	2.564	5.3	20.9
9 28	23 9.84	−14 42.3	1.605	2.554	9.1	21.1
10 8	23 3.06	−14 54.3	1.657	2.544	12.9	21.3
10 18	22 58.52	−14 47.1	1.730	2.534	16.2	21.5

68285 2001 FQ_{18} 9 12.5 17°.76 3°.5/16.7 18

8 9	23 39.98	+ 9 56.1	1.882	2.705	15.1	18.3
8 19	23 36.83	+ 9 24.5	1.810	2.710	12.0	18.1
8 29	23 31.95	+ 8 31.2	1.760	2.716	8.5	17.9
9 8	23 25.94	+ 7 18.9	1.733	2.722	5.1	17.7
9 18	23 19.55	+ 5 52.8	1.733	2.729	3.5	17.6
9 28	23 13.66	+ 4 20.4	1.761	2.737	5.9	17.8
10 8	23 9.06	+ 2 50.1	1.814	2.745	9.4	18.0
10 18	23 6.28	+ 1 29.0	1.892	2.753	12.6	18.2

5322 1986 QB_{1} 9 12.5 92°.30 1°.7/10.9 18

8 9	23 45.50	− 6 34.7	1.989	2.859	12.5	16.7
8 19	23 40.82	− 7 12.9	1.920	2.860	9.2	16.5
8 29	23 34.34	− 7 58.6	1.876	2.861	5.5	16.3
9 8	23 26.69	− 8 46.9	1.857	2.862	2.1	16.1
9 18	23 18.66	− 9 32.2	1.867	2.862	3.4	16.2
9 28	23 11.16	−10 9.0	1.904	2.863	7.1	16.4
10 8	23 4.98	−10 33.4	1.967	2.864	10.6	16.6
10 18	23 0.71	−10 43.4	2.052	2.865	13.6	16.8

12782 Mauersberger 9 12.5 290°.84 0°.5/11.9 18

8 9	23 42.04	− 2 24.4	2.225	3.085	11.8	18.0
8 19	23 38.19	− 3 9.8	2.140	3.073	8.8	17.8
8 29	23 32.74	− 4 6.4	2.078	3.061	5.3	17.6
9 8	23 26.20	− 5 9.8	2.043	3.048	1.6	17.3
9 18	23 19.22	− 6 14.8	2.036	3.036	2.4	17.3
9 28	23 12.59	− 7 15.4	2.058	3.024	6.2	17.5
10 8	23 7.04	− 8 6.4	2.106	3.012	9.6	17.7
10 18	23 3.14	− 8 44.4	2.178	2.999	12.7	17.9

172901 2005 GY_{68} 9 12.5 160°.00 1°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.72	+ 2 40.0	2.038	2.880	13.4	20.5
8 19	23 40.22	+ 2 8.8	1.963	2.882	10.2	20.3
8 29	23 33.97	+ 1 22.9	1.911	2.884	6.6	20.1
9 8	23 26.58	+ 0 25.6	1.885	2.886	2.7	19.9
9 18	23 18.79	− 0 37.8	1.887	2.888	2.1	19.8
9 28	23 11.48	− 1 41.3	1.917	2.890	5.9	20.1
10 8	23 5.43	− 2 38.8	1.974	2.891	9.5	20.3
10 18	23 1.22	− 3 25.6	2.055	2.892	12.7	20.5

487206 2014 OM_{375} 9 12.5 4°.37 2°.1/14.5 18

8 9	23 46.06	+ 2 38.4	2.066	2.905	13.3	21.2
8 19	23 41.21	+ 2 48.8	1.990	2.905	10.3	21.0
8 29	23 34.58	+ 2 46.9	1.936	2.905	6.8	20.8
9 8	23 26.78	+ 2 34.3	1.908	2.906	3.3	20.5
9 18	23 18.55	+ 2 14.2	1.907	2.907	2.5	20.5
9 28	23 10.80	+ 1 50.5	1.934	2.908	5.8	20.7
10 8	23 4.32	+ 1 28.0	1.988	2.909	9.3	20.9
10 18	22 59.70	+ 1 10.6	2.066	2.911	12.4	21.1

348028 2003 UD_4 9 12.5 286°.31 14°.1/25.9 17

8 9	23 45.83	+31 21.7	1.675	2.360	21.7	20.7
8 19	23 42.26	+32 22.3	1.566	2.330	20.0	20.5
8 29	23 35.95	+32 50.0	1.471	2.299	18.1	20.3
9 8	23 27.41	+32 37.1	1.392	2.268	16.1	20.1
9 18	23 17.60	+31 37.9	1.332	2.237	14.6	19.9
9 28	23 7.95	+29 52.3	1.294	2.205	14.1	19.8
10 8	22 59.92	+27 28.2	1.277	2.173	15.2	19.8
10 18	22 54.69	+24 39.2	1.282	2.141	17.5	19.8

47249 1999 VY_{57} 9 12.5 139°.56 2°.3/10.5 18

8 9	23 49.89	− 7 24.1	1.679	2.552	14.3	18.8
8 19	23 44.30	− 8 11.4	1.619	2.560	10.5	18.6
8 29	23 36.55	− 9 6.8	1.583	2.568	6.3	18.3
9 8	23 27.40	−10 3.6	1.572	2.575	2.6	18.1
9 18	23 17.86	−10 54.9	1.588	2.582	4.2	18.2
9 28	23 9.05	−11 34.3	1.632	2.589	8.3	18.5
10 8	23 1.95	−11 57.6	1.700	2.595	12.2	18.8
10 18	22 57.16	−12 3.3	1.791	2.600	15.5	19.0

470814 2008 VV_{64} 9 12.6 339°.08 4°.6/ 8.8 16

8 9	23 38.70	− 9 29.5	1.106	2.020	16.9	19.9
8 19	23 37.07	−10 38.7	1.037	1.999	12.5	19.6
8 29	23 32.69	−12 0.9	0.988	1.979	7.8	19.3
9 8	23 26.31	−13 25.6	0.960	1.961	4.7	19.1
9 18	23 19.07	−14 40.7	0.954	1.944	7.2	19.2
9 28	23 12.49	−15 34.5	0.971	1.930	12.2	19.4
10 8	23 7.93	−15 59.8	1.007	1.917	17.1	19.6
10 18	23 6.27	−15 54.7	1.060	1.906	21.4	19.9

216853 2007 WK_{43} 9 12.6 232°.56 4°.0/15.9 18

8 9	23 46.54	+ 8 22.5	1.458	2.294	18.0	20.6
8 19	23 42.30	+ 8 11.5	1.383	2.292	14.4	20.3
8 29	23 35.59	+ 7 35.8	1.328	2.290	10.1	20.1
9 8	23 27.17	+ 6 37.0	1.295	2.287	5.8	19.8
9 18	23 18.09	+ 5 20.7	1.287	2.285	4.1	19.7
9 28	23 9.64	+ 3 55.7	1.306	2.282	7.5	19.9
10 8	23 2.95	+ 2 32.3	1.349	2.279	11.9	20.2
10 18	22 58.83	+ 1 19.3	1.414	2.276	16.0	20.4

395281 2010 VM_{89} 9 12.6 301°.64 2°.1/16.6 15

8 9	23 37.55	+ 8 24.4	4.151	4.945	8.0	21.1
8 19	23 34.19	+ 8 15.7	4.055	4.937	6.3	21.0
8 29	23 30.02	+ 7 58.0	3.983	4.930	4.6	20.9
9 8	23 25.30	+ 7 32.2	3.938	4.922	2.8	20.7
9 18	23 20.38	+ 7 0.1	3.922	4.914	2.1	20.7
9 28	23 15.64	+ 6 23.8	3.936	4.906	3.3	20.8
10 8	23 11.43	+ 5 46.1	3.979	4.898	5.1	20.9
10 18	23 8.07	+ 5 9.7	4.048	4.890	6.9	21.0

393643 2004 PB_{24} 9 12.6 297°.84 10°.3/ 1.4 16

8 9	23 41.91	−13 20.1	0.970	1.891	18.1	20.2
8 19	23 39.85	−17 34.9	0.922	1.884	13.6	19.9
8 29	23 34.58	−22 5.2	0.897	1.878	10.6	19.7
9 8	23 26.95	−26 22.5	0.897	1.872	11.2	19.7
9 18	23 18.36	−29 59.1	0.922	1.867	15.0	19.9
9 28	23 10.63	−32 37.0	0.967	1.861	19.4	20.2
10 8	23 5.34	−34 11.9	1.030	1.856	23.5	20.4
10 18	23 3.46	−34 49.6	1.105	1.851	26.7	20.7

376244 2011 EM_{73} 9 12.6 253°.00 2°.1/10.7 18

8 9	23 47.77	− 6 12.9	1.724	2.596	14.0	21.3
8 19	23 42.96	− 7 3.4	1.641	2.582	10.4	21.0
8 29	23 35.92	− 8 4.9	1.581	2.567	6.3	20.7
9 8	23 27.29	− 9 11.1	1.547	2.551	2.4	20.5
9 18	23 17.99	−10 14.6	1.540	2.535	4.1	20.5
9 28	23 9.15	−11 8.0	1.560	2.519	8.5	20.8
10 8	23 1.84	−11 45.4	1.605	2.502	12.6	21.0
10 18	22 56.81	−12 4.1	1.671	2.485	16.2	21.2

34557 2000 SE_{270} 9 12.6 356°.14 6°.8/ 6.0 18 R

8 9	23 45.61	−20 4.9	1.734	2.625	13.0	18.3
8 19	23 41.20	−21 11.9	1.680	2.622	10.1	18.1
8 29	23 34.70	−22 15.5	1.649	2.621	7.6	17.9
9 8	23 26.84	−23 7.4	1.643	2.619	6.9	17.9
9 18	23 18.59	−23 40.5	1.662	2.618	8.5	18.0
9 28	23 11.03	−23 50.4	1.706	2.618	11.2	18.1
10 8	23 5.08	−23 36.0	1.772	2.618	14.1	18.3
10 18	23 1.36	−22 59.2	1.857	2.619	16.7	18.5

273574 2007 CP_{10} 9 12.6 283°.78 0°.9/13.3 18

8 9	23 47.26	+ 0 19.3	1.555	2.416	15.9	21.3
8 19	23 42.86	+ 0 3.1	1.466	2.397	12.2	21.1
8 29	23 36.02	− 0 29.6	1.398	2.377	7.8	20.8
9 8	23 27.36	− 1 15.4	1.354	2.358	2.9	20.4
9 18	23 17.87	− 2 8.6	1.336	2.338	2.7	20.4
9 28	23 8.80	− 3 1.6	1.345	2.318	7.7	20.6
10 8	23 1.35	− 3 47.0	1.377	2.298	12.5	20.8
10 18	22 56.39	− 4 19.2	1.432	2.278	16.7	21.1

371860 2008 BX_7 9 12.6 215°.19 0°.7/12.0 17

8 9	23 50.99	− 4 4.7	1.631	2.496	15.1	21.5
8 19	23 45.36	− 4 23.9	1.557	2.492	11.3	21.2
8 29	23 37.36	− 4 54.0	1.504	2.487	6.9	21.0
9 8	23 27.74	− 5 30.4	1.477	2.482	2.1	20.7
9 18	23 17.52	− 6 7.0	1.477	2.477	3.1	20.7
9 28	23 7.92	− 6 37.8	1.504	2.471	7.8	21.0
10 8	23 0.05	− 6 57.6	1.557	2.465	12.2	21.3
10 18	22 54.63	− 7 3.6	1.631	2.459	15.9	21.5

12333 1992 WJ_2 9 12.6 15°.12 6°.5/ 8.5 18

8 9	23 48.35	−15 19.0	1.078	1.986	17.7	16.5
8 19	23 44.09	−16 9.6	1.033	1.989	13.3	16.2
8 29	23 36.80	−17 0.7	1.008	1.994	8.9	16.0
9 8	23 27.56	−17 41.5	1.005	1.999	6.5	15.9
9 18	23 17.85	−18 2.5	1.024	2.005	8.5	16.0
9 28	23 9.31	−17 57.9	1.065	2.013	12.7	16.3
10 8	23 3.22	−17 26.9	1.126	2.021	16.9	16.6
10 18	23 0.26	−16 32.4	1.205	2.031	20.6	16.9

265294 2004 GO_{51} 9 12.6 278°.29 1°.3/10.0 16

8 9	23 38.43	− 9 33.2	4.187	5.049	6.6	20.3
8 19	23 34.80	−10 0.3	4.110	5.046	4.8	20.2
8 29	23 30.37	−10 29.7	4.060	5.043	2.9	20.1
9 8	23 25.43	−10 59.1	4.038	5.040	1.4	19.9
9 18	23 20.32	−11 25.9	4.047	5.037	2.2	20.0
9 28	23 15.41	−11 48.2	4.085	5.033	4.1	20.1
10 8	23 11.07	−12 3.9	4.151	5.030	5.9	20.3
10 18	23 7.58	−12 12.2	4.242	5.027	7.6	20.4

485763 2012 CA_{14} 9 12.6 344°.84 4°.3/15.9 17

8 9	23 49.26	+ 6 32.8	1.899	2.721	15.0	20.7
8 19	23 43.86	+ 7 19.5	1.817	2.716	12.0	20.5
8 29	23 36.37	+ 7 51.9	1.757	2.712	8.6	20.3
9 8	23 27.44	+ 8 9.7	1.721	2.708	5.5	20.1
9 18	23 17.91	+ 8 13.8	1.713	2.704	4.4	20.0
9 28	23 8.85	+ 8 7.5	1.731	2.701	6.7	20.2
10 8	23 1.22	+ 7 55.4	1.776	2.698	10.1	20.4
10 18	22 55.71	+ 7 42.7	1.845	2.696	13.3	20.6

257 Silesia 9 12.6 294°.67 1°.3/11.2 18

8 9	23 44.38	− 6 1.3	2.173	3.039	11.7	14.3
8 19	23 39.96	− 6 31.9	2.091	3.028	8.7	14.1
8 29	23 33.86	− 7 10.0	2.033	3.018	5.2	13.8
9 8	23 26.60	− 7 51.5	2.002	3.007	1.8	13.6
9 18	23 18.92	− 8 31.4	1.999	2.996	3.0	13.7
9 28	23 11.62	− 9 4.9	2.025	2.986	6.6	13.9
10 8	23 5.50	− 9 27.9	2.076	2.975	10.0	14.1
10 18	23 1.11	− 9 38.2	2.150	2.965	13.0	14.3

515259 2012 PK_{42} 9 12.6 46°.09 0°.4/11.9 18

8 9	23 40.72	− 3 8.7	2.665	3.522	10.2	21.0
8 19	23 36.86	− 3 45.7	2.601	3.533	7.5	20.9
8 29	23 31.76	− 4 30.3	2.562	3.544	4.5	20.7
9 8	23 25.89	− 5 18.8	2.551	3.556	1.4	20.5
9 18	23 19.80	− 6 7.4	2.568	3.568	2.0	20.5
9 28	23 14.09	− 6 51.8	2.614	3.579	5.1	20.8
10 8	23 9.32	− 7 28.4	2.688	3.591	7.9	21.0
10 18	23 5.88	− 7 55.0	2.786	3.604	10.3	21.2

35493 1998 FG_{29} 9 12.6 36°.23 0°.4/12.3 18

8 9	23 51.03	− 4 38.5	1.494	2.365	15.9	17.8
8 19	23 45.39	− 4 33.5	1.433	2.371	11.9	17.6
8 29	23 37.34	− 4 37.8	1.394	2.377	7.2	17.3
9 8	23 27.72	− 4 47.5	1.379	2.384	2.2	17.0
9 18	23 17.66	− 4 57.8	1.391	2.392	2.9	17.1
9 28	23 8.42	− 5 3.8	1.429	2.399	7.8	17.4
10 8	23 1.07	− 5 1.4	1.492	2.407	12.1	17.7
10 18	22 56.30	− 4 48.5	1.576	2.415	15.8	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
189841 2003 BS_{14}			9 12.6 129°.25	1°.0/11.5 17		
	h m	° ′			°	m
8 9	23 47.83	− 3 38.0	1.830	2.693	13.8	20.6
8 19	23 42.62	− 4 27.7	1.769	2.704	10.2	20.4
8 29	23 35.48	− 5 28.4	1.732	2.715	6.1	20.1
9 8	23 27.11	− 6 34.3	1.721	2.726	1.9	19.9
9 18	23 18.39	− 7 38.7	1.738	2.736	3.1	20.0
9 28	23 10.32	− 8 34.8	1.783	2.745	7.2	20.3
10 8	23 3.75	− 9 17.8	1.853	2.755	10.9	20.5
10 18	22 59.26	− 9 44.8	1.946	2.763	14.1	20.8
472249 2014 MW_{39}			9 12.6 337°.17	5°.3/ 6.6 17		
8 9	23 42.85	−16 37.0	1.999	2.888	11.7	20.9
8 19	23 38.96	−17 49.7	1.936	2.881	8.8	20.7
8 29	23 33.28	−19 2.9	1.898	2.875	6.2	20.6
9 8	23 26.42	−20 9.4	1.885	2.870	5.3	20.5
9 18	23 19.17	−21 2.3	1.899	2.864	6.9	20.6
9 28	23 12.41	−21 36.4	1.939	2.859	9.7	20.8
10 8	23 6.96	−21 49.4	2.003	2.855	12.5	20.9
10 18	23 3.38	−21 41.3	2.086	2.851	15.1	21.1
183608 2003 UV_{135}			9 12.6 336°.60	1°.1/11.9 18		
8 9	23 47.62	− 6 16.6	1.039	1.940	18.9	19.5
8 19	23 43.98	− 6 5.7	0.971	1.924	14.3	19.2
8 29	23 37.08	− 6 5.0	0.920	1.910	8.8	18.8
9 8	23 27.79	− 6 9.5	0.891	1.896	2.8	18.4
9 18	23 17.49	− 6 12.9	0.884	1.884	4.0	18.5
9 28	23 7.99	− 6 8.4	0.899	1.874	10.2	18.8
10 8	23 0.89	− 5 51.1	0.935	1.865	15.9	19.1
10 18	22 57.18	− 5 18.8	0.988	1.857	20.7	19.3
493308 2014 UY_{184}			9 12.6 323°.00	4°.7/ 9.4 17		
8 9	23 45.76	−10 0.4	1.049	1.957	18.1	21.1
8 19	23 42.55	−10 56.0	0.984	1.942	13.5	20.8
8 29	23 36.18	−12 2.7	0.938	1.928	8.5	20.5
9 8	23 27.49	−13 10.1	0.913	1.915	4.7	20.2
9 18	23 17.86	−14 6.2	0.911	1.902	7.2	20.3
9 28	23 9.04	−14 40.7	0.930	1.890	12.4	20.6
10 8	23 2.57	−14 47.6	0.969	1.879	17.6	20.8
10 18	22 59.39	−14 26.4	1.025	1.869	22.1	21.1
355778 2008 RA_{125}			9 12.6 301°.51	0°.2/13.0 17		
8 9	23 36.38	− 0 2.7	4.268	5.105	7.0	20.8
8 19	23 33.32	− 0 44.1	4.182	5.102	5.2	20.7
8 29	23 29.49	− 1 32.1	4.123	5.098	3.2	20.5
9 8	23 25.17	− 2 24.3	4.091	5.095	1.1	20.4
9 18	23 20.69	− 3 18.3	4.091	5.092	1.1	20.4
9 28	23 16.38	− 4 11.3	4.120	5.088	3.2	20.5
10 8	23 12.59	− 5 0.5	4.179	5.085	5.2	20.7
10 18	23 9.59	− 5 43.8	4.265	5.082	7.0	20.8
319084 2005 WZ_{118}			9 12.6 282°.02	4°.2/17.4 18		
8 9	23 43.19	+11 13.1	2.199	3.000	13.9	20.9
8 19	23 39.14	+11 10.6	2.109	2.992	11.3	20.7
8 29	23 33.39	+10 49.4	2.040	2.983	8.4	20.5
9 8	23 26.49	+10 10.4	1.996	2.975	5.6	20.3
9 18	23 19.11	+ 9 16.4	1.978	2.967	4.2	20.2
9 28	23 12.08	+ 8 12.1	1.988	2.959	5.9	20.3
10 8	23 6.18	+ 7 4.2	2.025	2.951	8.8	20.5
10 18	23 2.00	+ 5 58.9	2.087	2.943	11.8	20.7
163014 2001 UA_{5}			9 12.6 309°.04	15°.1/ 1.4 15		
8 9	23 55.14	−23 19.8	0.859	1.771	20.7	19.4
8 19	23 52.20	−25 41.0	0.762	1.712	17.6	19.0
8 29	23 44.12	−28 18.2	0.683	1.652	15.3	18.6
9 8	23 30.77	−30 50.4	0.622	1.590	16.0	18.3
9 18	23 13.14	−32 48.5	0.578	1.527	20.2	18.2
9 28	22 53.95	−33 44.3	0.551	1.464	26.6	18.2
10 8	22 36.81	−33 24.2	0.536	1.400	33.7	18.3
10 18	22 24.70	−31 51.2	0.529	1.336	40.7	18.3
391826 2008 SP_{94}			9 12.6 327°.46	1°.4/13.7 16		
8 9	23 43.05	+ 1 31.3	1.356	2.228	17.1	21.6
8 19	23 39.92	+ 1 14.3	1.277	2.213	13.2	21.3
8 29	23 34.29	+ 0 37.6	1.218	2.198	8.5	21.0
9 8	23 26.86	− 0 15.2	1.181	2.184	3.4	20.7
9 18	23 18.64	− 1 17.6	1.169	2.171	2.8	20.6
9 28	23 10.96	− 2 20.6	1.181	2.158	8.0	20.9
10 8	23 5.03	− 3 15.4	1.217	2.147	13.0	21.1
10 18	23 1.71	− 3 55.4	1.273	2.136	17.4	21.4
361966 2008 JE_{32}			9 12.6 80°.38	5°.5/ 6.4 18		
8 9	23 45.92	−19 14.6	2.173	3.053	11.2	20.4
8 19	23 41.01	−20 17.4	2.123	3.061	8.6	20.3
8 29	23 34.41	−21 17.3	2.097	3.068	6.3	20.1
9 8	23 26.76	−22 7.9	2.098	3.075	5.5	20.1
9 18	23 18.85	−22 43.8	2.126	3.083	6.9	20.2
9 28	23 11.53	−23 1.2	2.181	3.090	9.3	20.4
10 8	23 5.53	−22 59.0	2.259	3.098	11.8	20.5
10 18	23 1.36	−22 38.1	2.358	3.105	14.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
33651 1999 JG_{84}			9 12.6 348°.14	11°.3/ 1.2 18		
	h m	° ′			°	m
8 9	23 42.91	−25 14.9	1.277	2.183	15.6	16.5
8 19	23 40.00	−27 29.0	1.234	2.176	13.0	16.3
8 29	23 34.35	−29 34.5	1.213	2.170	11.4	16.2
9 8	23 26.84	−31 16.7	1.214	2.165	11.8	16.2
9 18	23 18.74	−32 24.0	1.237	2.161	13.9	16.3
9 28	23 11.51	−32 50.4	1.280	2.157	16.7	16.5
10 8	23 6.38	−32 36.4	1.340	2.155	19.6	16.7
10 18	23 4.09	−31 47.0	1.416	2.154	22.1	16.9
278337 2007 HT_{87}			9 12.6 23°.97	10°.6/ 5.4 18		
8 9	23 49.89	−25 31.3	1.195	2.095	17.0	19.4
8 19	23 44.99	−26 42.1	1.164	2.104	13.7	19.2
8 29	23 37.19	−27 39.8	1.153	2.115	11.2	19.1
9 8	23 27.66	−28 12.9	1.163	2.127	10.7	19.1
9 18	23 17.91	−28 14.0	1.196	2.140	12.3	19.3
9 28	23 9.46	−27 40.9	1.250	2.155	15.1	19.5
10 8	23 3.46	−26 37.1	1.323	2.170	18.0	19.7
10 18	23 0.48	−25 8.7	1.413	2.185	20.6	20.0
434626 2005 VT_{31}			9 12.6 243°.28	2°.1/10.6 18		
8 9	23 47.59	− 6 54.0	1.811	2.682	13.5	21.6
8 19	23 42.69	− 7 40.9	1.732	2.672	10.0	21.4
8 29	23 35.70	− 8 37.1	1.677	2.662	6.0	21.1
9 8	23 27.26	− 9 36.7	1.647	2.651	2.4	20.9
9 18	23 18.24	−10 32.7	1.645	2.639	4.0	21.0
9 28	23 9.72	−11 18.5	1.671	2.628	8.1	21.2
10 8	23 2.66	−11 49.2	1.721	2.616	12.0	21.4
10 18	22 57.76	−12 2.4	1.793	2.604	15.4	21.6
202259 2005 AA_{40}			9 12.6 169°.86	6°.8/ 5.6 18		
8 9	23 49.97	−22 22.3	2.053	2.929	12.0	20.0
8 19	23 44.16	−23 28.9	2.000	2.931	9.4	19.9
8 29	23 36.40	−24 30.4	1.972	2.933	7.3	19.7
9 8	23 27.42	−25 19.1	1.969	2.935	6.8	19.7
9 18	23 18.11	−25 49.2	1.993	2.937	8.2	19.8
9 28	23 9.47	−25 57.1	2.043	2.938	10.6	20.0
10 8	23 2.35	−25 42.4	2.116	2.938	13.1	20.1
10 18	22 57.33	−25 7.1	2.210	2.939	15.3	20.3
384594 2010 LM_{125}			9 12.6 161°.89	3°.8/16.3 18		
8 9	23 49.00	+ 8 27.7	2.148	2.953	14.0	21.4
8 19	23 43.38	+ 8 40.4	2.069	2.958	11.2	21.2
8 29	23 35.95	+ 8 36.9	2.012	2.962	8.1	21.0
9 8	23 27.30	+ 8 18.0	1.981	2.966	5.0	20.9
9 18	23 18.22	+ 7 46.4	1.977	2.969	3.8	20.8
9 28	23 9.61	+ 7 6.3	2.002	2.972	6.0	20.9
10 8	23 2.29	+ 6 23.3	2.055	2.974	9.1	21.1
10 18	22 56.87	+ 5 42.8	2.132	2.976	12.0	21.3
252804 2002 FH_{23}			9 12.6 33°.64	0°.6/12.9 17		
8 9	23 44.58	+ 0 40.0	1.032	1.921	19.9	19.8
8 19	23 41.23	+ 0 2.9	0.988	1.934	15.0	19.5
8 29	23 35.04	− 0 56.5	0.963	1.949	9.3	19.3
9 8	23 27.05	− 2 10.6	0.959	1.964	3.2	19.0
9 18	23 18.63	− 3 29.0	0.978	1.980	3.1	19.0
9 28	23 11.29	− 4 40.0	1.020	1.997	9.0	19.4
10 8	23 6.24	− 5 34.7	1.084	2.015	14.1	19.8
10 18	23 4.13	− 6 8.2	1.167	2.033	18.4	20.1
435170 2007 PZ_{35}			9 12.6 13°.35	0°.1/12.6 18		
8 9	23 48.14	− 5 19.7	1.060	1.957	18.9	19.3
8 19	23 43.87	− 4 47.6	1.013	1.964	14.2	19.1
8 29	23 36.66	− 4 25.8	0.985	1.973	8.7	18.8
9 8	23 27.57	− 4 10.6	0.978	1.984	2.8	18.5
9 18	23 18.02	− 3 57.5	0.995	1.996	3.3	18.6
9 28	23 9.61	− 3 41.8	1.034	2.011	8.9	19.0
10 8	23 3.58	− 3 19.4	1.095	2.027	13.9	19.3
10 18	23 0.63	− 2 48.1	1.176	2.045	18.1	19.6
236780 2007 PY_{11}			9 12.6 33°.95	1°.8/13.9 18		
8 9	23 49.77	+ 0 23.5	1.506	2.364	16.4	19.6
8 19	23 44.47	+ 0 41.6	1.444	2.372	12.5	19.4
8 29	23 36.80	+ 0 45.7	1.404	2.380	8.1	19.2
9 8	23 27.60	+ 0 38.5	1.387	2.389	3.5	18.9
9 18	23 17.93	+ 0 23.8	1.397	2.398	2.7	18.9
9 28	23 9.05	+ 0 6.9	1.433	2.408	7.2	19.2
10 8	23 2.00	− 0 6.7	1.493	2.418	11.5	19.5
10 18	22 57.45	− 0 12.9	1.576	2.428	15.2	19.8
3718 Dunbar			9 12.6 43°.79	2°.3/10.5 18		
8 9	23 46.55	− 7 24.3	1.644	2.523	14.2	16.9
8 19	23 41.93	− 8 8.6	1.583	2.527	10.5	16.7
8 29	23 35.19	− 9 1.2	1.545	2.531	6.3	16.4
9 8	23 27.08	− 9 55.7	1.532	2.535	2.6	16.2
9 18	23 18.54	−10 45.0	1.545	2.539	4.2	16.3
9 28	23 10.69	−11 22.7	1.585	2.544	8.3	16.6
10 8	23 4.46	−11 44.6	1.649	2.549	12.2	16.9
10 18	23 0.47	−11 48.9	1.735	2.553	15.5	17.1

420324 2012 AK_{13} 9 12.6 250°.40 2°.3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.57	− 6 36.6	1.376	2.258	16.3	21.3
8 19	23 44.67	− 7 18.0	1.309	2.254	12.1	21.1
8 29	23 37.12	− 8 10.7	1.263	2.250	7.3	20.8
9 8	23 27.75	− 9 7.4	1.241	2.245	2.8	20.5
9 18	23 17.72	− 9 59.8	1.244	2.240	4.6	20.6
9 28	23 8.44	−10 39.7	1.273	2.236	9.5	20.9
10 8	23 1.12	−11 1.7	1.325	2.231	14.1	21.2
10 18	22 56.56	−11 3.7	1.397	2.226	18.0	21.4

59849 1999 RE_{78} 9 12.6 99°.62 0°.9/13.4 18

8 9	23 46.85	+ 1 12.0	1.792	2.643	14.6	19.5
8 19	23 41.95	+ 0 42.7	1.730	2.655	11.0	19.3
8 29	23 35.11	− 0 1.4	1.690	2.666	6.9	19.1
9 8	23 27.03	− 0 56.0	1.675	2.678	2.6	18.8
9 18	23 18.60	− 1 55.2	1.688	2.689	2.2	18.8
9 28	23 10.81	− 2 52.5	1.728	2.700	6.4	19.1
10 8	23 4.52	− 3 41.7	1.795	2.711	10.3	19.4
10 18	23 0.30	− 4 18.7	1.884	2.722	13.7	19.6

402373 2005 XG_4 9 12.6 268°.14 3°.0/ 9.6 18

8 9	23 47.13	−11 53.1	2.238	3.110	11.3	21.3
8 19	23 41.97	−12 24.7	2.160	3.099	8.3	21.1
8 29	23 35.09	−12 59.0	2.105	3.088	5.2	20.9
9 8	23 27.04	−13 31.3	2.078	3.077	3.0	20.7
9 18	23 18.56	−13 56.8	2.079	3.066	4.4	20.8
9 28	23 10.52	−14 11.4	2.108	3.054	7.5	21.0
10 8	23 3.69	−14 12.4	2.163	3.043	10.6	21.2
10 18	22 58.66	−13 59.0	2.241	3.031	13.4	21.3

94155 2001 AO_8 9 12.6 247°.90 2°.7/ 9.2 18

8 9	23 43.04	− 9 24.1	2.346	3.219	10.8	19.6
8 19	23 38.88	−10 28.9	2.270	3.211	7.9	19.4
8 29	23 33.17	−11 39.7	2.218	3.203	4.9	19.2
9 8	23 26.42	−12 50.9	2.194	3.194	2.7	19.0
9 18	23 19.28	−13 56.7	2.199	3.185	4.2	19.1
9 28	23 12.52	−14 51.6	2.232	3.176	7.2	19.3
10 8	23 6.82	−15 31.6	2.291	3.167	10.2	19.5
10 18	23 2.72	−15 55.0	2.373	3.158	12.9	19.6

44463 1998 VT_{18} 9 12.6 253°.32 3°.6/17.2 18

8 9	23 43.28	+10 50.7	2.688	3.478	11.9	19.1
8 19	23 38.96	+10 46.5	2.586	3.463	9.7	18.9
8 29	23 33.20	+10 27.0	2.508	3.448	7.2	18.7
9 8	23 26.44	+ 9 52.9	2.455	3.433	4.7	18.5
9 18	23 19.25	+ 9 6.3	2.430	3.418	3.6	18.4
9 28	23 12.32	+ 8 11.2	2.433	3.402	5.1	18.5
10 8	23 6.28	+ 7 12.5	2.465	3.386	7.7	18.7
10 18	23 1.67	+ 6 15.2	2.523	3.370	10.3	18.8

258874 2002 PS_{190} 9 12.6 235°.58 3°.2/ 8.7 18

8 9	23 44.11	−12 42.5	2.446	3.321	10.3	20.4
8 19	23 39.56	−13 30.8	2.377	3.318	7.6	20.2
8 29	23 33.52	−14 21.4	2.334	3.316	4.9	20.1
9 8	23 26.52	−15 9.4	2.318	3.313	3.2	19.9
9 18	23 19.20	−15 49.9	2.330	3.310	4.5	20.0
9 28	23 12.30	−16 18.7	2.370	3.307	7.2	20.2
10 8	23 6.47	−16 33.3	2.435	3.305	10.0	20.4
10 18	23 2.22	−16 32.9	2.524	3.302	12.4	20.5

507955 2015 BZ_{19} 9 12.6 164°.39 2°.1/10.6 17

8 9	23 49.19	− 6 51.9	1.881	2.748	13.3	22.0
8 19	23 43.67	− 7 43.2	1.815	2.753	9.8	21.8
8 29	23 36.17	− 8 42.7	1.773	2.758	5.9	21.6
9 8	23 27.39	− 9 44.4	1.758	2.762	2.4	21.4
9 18	23 18.20	−10 41.6	1.771	2.765	3.9	21.5
9 28	23 9.62	−11 28.0	1.812	2.768	7.7	21.8
10 8	23 2.53	−11 59.6	1.879	2.770	11.4	22.0
10 18	22 57.55	−12 14.4	1.968	2.771	14.5	22.2

314538 2005 YU_{68} 9 12.6 72°.96 1°.4/14.1 18

8 9	23 45.25	+ 2 2.2	2.213	3.052	12.6	20.6
8 19	23 40.42	+ 1 49.7	2.151	3.068	9.6	20.4
8 29	23 34.03	+ 1 25.2	2.111	3.083	6.2	20.2
9 8	23 26.68	+ 0 51.5	2.098	3.098	2.7	20.0
9 18	23 19.06	+ 0 12.6	2.113	3.114	2.0	20.0
9 28	23 11.95	− 0 26.9	2.157	3.129	5.3	20.3
10 8	23 6.06	− 1 2.5	2.227	3.145	8.6	20.5
10 18	23 1.86	− 1 30.5	2.323	3.160	11.4	20.7

402482 2006 CB_2 9 12.6 249°.49 0°.9/13.5 17

8 9	23 45.85	− 0 7.3	2.394	3.236	11.6	21.0
8 19	23 40.90	− 0 12.3	2.311	3.231	8.8	20.8
8 29	23 34.38	− 0 27.0	2.251	3.226	5.6	20.6
9 8	23 26.82	− 0 49.0	2.218	3.221	2.2	20.3
9 18	23 18.86	− 1 15.0	2.214	3.215	1.9	20.3
9 28	23 11.28	− 1 41.3	2.239	3.210	5.3	20.5
10 8	23 4.78	− 2 3.8	2.291	3.204	8.6	20.7
10 18	22 59.89	− 2 19.5	2.368	3.199	11.5	20.9

173762 2001 RC_{121} 9 12.6 353°.61 2°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.68	− 7 10.9	1.685	2.566	13.9	19.6
8 19	23 40.56	− 7 52.5	1.619	2.564	10.2	19.3
8 29	23 34.39	− 8 42.6	1.575	2.562	6.2	19.1
9 8	23 26.85	− 9 35.3	1.556	2.560	2.5	18.9
9 18	23 18.85	−10 23.8	1.564	2.559	4.0	19.0
9 28	23 11.44	−11 1.5	1.598	2.558	8.1	19.2
10 8	23 5.56	−11 24.2	1.657	2.558	12.0	19.5
10 18	23 1.83	−11 29.6	1.736	2.558	15.4	19.7

2463 Sterpin 9 12.6 282°.69 1°.2/13.9 18

8 9	23 42.67	+ 4 6.1	1.774	2.622	14.8	16.0
8 19	23 39.15	+ 3 8.2	1.684	2.606	11.4	15.7
8 29	23 33.61	+ 1 48.8	1.615	2.589	7.4	15.4
9 8	23 26.64	+ 0 12.3	1.571	2.573	3.0	15.1
9 18	23 19.04	− 1 34.3	1.555	2.556	2.3	15.1
9 28	23 11.81	− 3 21.5	1.566	2.539	6.8	15.3
10 8	23 5.93	− 4 59.7	1.603	2.523	11.2	15.5
10 18	23 2.10	− 6 21.9	1.664	2.506	15.0	15.7

114534 2003 BT_{19} 9 12.6 344°.50 17°.6/22.1 18

8 9	23 29.08	−32 28.9	0.845	1.776	18.8	15.4
8 19	23 30.91	−35 5.9	0.784	1.731	17.7	15.2
8 29	23 29.49	−37 29.3	0.741	1.688	18.0	15.0
9 8	23 25.51	−39 17.2	0.713	1.648	19.9	14.9
9 18	23 20.31	−40 10.3	0.700	1.612	22.9	15.0
9 28	23 15.89	−39 56.2	0.699	1.580	26.3	15.0
10 8	23 14.08	−38 33.8	0.710	1.552	29.6	15.1
10 18	23 15.97	−36 9.1	0.729	1.530	32.6	15.2

261524 2005 WW_{80} 9 12.6 341°.19 0°.1/12.5 18

8 9	23 43.31	− 2 14.4	1.698	2.569	14.3	20.4
8 19	23 39.60	− 2 34.6	1.622	2.560	10.7	20.2
8 29	23 33.85	− 3 7.2	1.568	2.551	6.6	19.9
9 8	23 26.71	− 3 48.1	1.538	2.543	2.1	19.6
9 18	23 19.03	− 4 31.7	1.535	2.536	2.5	19.6
9 28	23 11.85	− 5 11.8	1.558	2.529	7.1	19.9
10 8	23 6.12	− 5 42.6	1.606	2.524	11.2	20.1
10 18	23 2.50	− 6 0.3	1.675	2.519	14.8	20.4

390406 2013 YN_{13} 9 12.6 193°.53 1°.9/10.6 18

8 9	23 47.38	− 6 50.2	2.038	2.904	12.4	21.8
8 19	23 42.26	− 7 37.9	1.965	2.902	9.2	21.6
8 29	23 35.31	− 8 33.5	1.916	2.900	5.5	21.4
9 8	23 27.14	− 9 31.5	1.895	2.898	2.2	21.2
9 18	23 18.54	−10 26.0	1.901	2.895	3.6	21.2
9 28	23 10.45	−11 11.1	1.936	2.892	7.3	21.5
10 8	23 3.68	−11 42.7	1.997	2.888	10.8	21.7
10 18	22 58.83	−11 58.7	2.080	2.884	13.8	21.9

353353 2010 VS_{173} 9 12.6 261°.59 1°.5/ 9.7 18

8 9	23 39.28	−11 13.3	4.482	5.344	6.3	21.1
8 19	23 35.42	−11 34.4	4.399	5.335	4.6	21.0
8 29	23 30.78	−11 56.9	4.344	5.326	2.8	20.8
9 8	23 25.64	−12 18.6	4.317	5.317	1.5	20.7
9 18	23 20.32	−12 37.4	4.321	5.308	2.3	20.8
9 28	23 15.20	−12 51.4	4.354	5.298	4.0	20.9
10 8	23 10.60	−12 59.2	4.416	5.289	5.7	21.0
10 18	23 6.82	−12 59.7	4.502	5.280	7.3	21.1

63169 2000 YM_{31} 9 12.6 19°.11 1°.5/13.8 18

8 9	23 46.26	+ 0 50.3	1.395	2.263	17.0	19.2
8 19	23 42.04	+ 0 49.5	1.334	2.267	12.9	19.0
8 29	23 35.42	+ 0 32.3	1.294	2.273	8.3	18.7
9 8	23 27.21	+ 0 2.2	1.276	2.279	3.4	18.4
9 18	23 18.49	− 0 35.4	1.284	2.286	2.7	18.4
9 28	23 10.54	− 1 13.3	1.317	2.293	7.5	18.7
10 8	23 4.43	− 1 44.8	1.374	2.301	12.0	19.0
10 18	23 0.85	− 2 5.2	1.452	2.310	15.9	19.3

16413 Abulghazi 9 12.6 188°.03 5°.3/19.2 18

8 9	23 44.59	+15 45.0	2.468	3.231	13.6	17.6
8 19	23 40.01	+15 53.6	2.380	3.231	11.3	17.4
8 29	23 33.88	+15 43.4	2.313	3.230	8.9	17.3
9 8	23 26.68	+15 14.5	2.271	3.229	6.6	17.1
9 18	23 19.08	+14 28.5	2.255	3.228	5.3	17.0
9 28	23 11.83	+13 29.5	2.267	3.227	6.1	17.1
10 8	23 5.65	+12 23.2	2.307	3.225	8.3	17.2
10 18	23 1.06	+11 15.6	2.372	3.223	10.7	17.4

108014 2001 FD_{144} 9 12.6 26°.60 2°.0/10.7 18

8 9	23 42.34	− 4 28.6	1.456	2.342	15.3	18.5
8 19	23 38.99	− 5 39.0	1.402	2.350	11.2	18.3
8 29	23 33.47	− 7 2.7	1.370	2.358	6.7	18.1
9 8	23 26.57	− 8 31.3	1.363	2.368	2.4	17.8
9 18	23 19.26	− 9 55.6	1.382	2.378	4.2	18.0
9 28	23 12.68	−11 6.5	1.426	2.388	8.6	18.3
10 8	23 7.77	−11 58.0	1.493	2.400	12.8	18.5
10 18	23 5.12	−12 27.4	1.582	2.411	16.2	18.8

59819 1999 RH_{22} 9 12.6 302°.73 0°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 42.02	+ 0 30.0	2.118	2.971	12.5	18.7
8 19	23 38.25	− 0 19.2	2.039	2.967	9.4	18.5
8 29	23 32.86	− 1 22.2	1.984	2.963	5.9	18.3
9 8	23 26.37	− 2 34.6	1.954	2.958	2.0	18.0
9 18	23 19.47	− 3 50.7	1.953	2.954	2.1	18.0
9 28	23 12.98	− 5 4.0	1.980	2.950	6.0	18.3
10 8	23 7.63	− 6 8.4	2.034	2.946	9.6	18.5
10 18	23 3.98	− 6 59.7	2.112	2.943	12.7	18.7

38611 2000 AS_{74} 9 12.6 257°.55 1°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.45	−11 31.6	4.574	5.439	6.1	19.7
8 19	23 34.08	−12 6.8	4.494	5.431	4.4	19.5
8 29	23 29.97	−12 43.6	4.440	5.422	2.8	19.4
9 8	23 25.39	−13 19.6	4.416	5.414	1.7	19.3
9 18	23 20.63	−13 52.4	4.421	5.405	2.4	19.4
9 28	23 16.05	−14 20.0	4.457	5.396	4.1	19.5
10 8	23 11.97	−14 40.6	4.520	5.387	5.8	19.6
10 18	23 8.65	−14 53.2	4.608	5.378	7.3	19.7

245480 2005 NM_{95} 9 12.6 36°.45 7°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.66	+16 49.8	1.831	2.604	17.3	19.9
8 19	23 42.78	+17 42.6	1.759	2.611	14.6	19.7
8 29	23 35.78	+18 12.5	1.706	2.618	11.8	19.6
9 8	23 27.33	+18 17.5	1.676	2.626	9.2	19.4
9 18	23 18.34	+17 58.2	1.670	2.634	7.8	19.4
9 28	23 9.89	+17 18.6	1.689	2.642	8.4	19.4
10 8	23 2.96	+16 25.6	1.734	2.650	10.6	19.6
10 18	22 58.24	+15 27.3	1.801	2.659	13.3	19.8

507176 2010 GJ_{161} 9 12.6 194°.35 10°.5/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.65	−43 16.6	2.715	3.520	11.4	22.5
8 19	23 48.39	−44 47.7	2.683	3.517	10.7	22.4
8 29	23 39.03	−46 1.7	2.674	3.513	10.5	22.4
9 8	23 28.32	−46 51.8	2.689	3.508	11.0	22.5
9 18	23 17.24	−47 13.7	2.726	3.503	11.8	22.5
9 28	23 6.88	−47 6.1	2.784	3.496	13.0	22.6
10 8	22 58.17	−46 31.2	2.860	3.489	14.1	22.7
10 18	22 51.73	−45 32.8	2.952	3.481	15.1	22.8

297283 1997 NK 9 12.6 344°.14 5°.3/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.10	+ 7 35.8	1.338	2.190	18.5	20.5
8 19	23 40.05	+ 8 14.8	1.260	2.176	15.0	20.2
8 29	23 34.45	+ 8 32.3	1.201	2.163	10.9	20.0
9 8	23 26.99	+ 8 27.9	1.163	2.152	7.0	19.7
9 18	23 18.71	+ 8 3.5	1.148	2.142	5.4	19.6
9 28	23 10.96	+ 7 25.0	1.156	2.133	8.2	19.7
10 8	23 4.99	+ 6 40.7	1.188	2.126	12.5	20.0
10 18	23 1.68	+ 5 59.0	1.240	2.120	16.6	20.2

294774 2008 CJ_{36} 9 12.6 132°.33 0°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.27	− 0 6.9	1.774	2.627	14.6	21.4
8 19	23 43.04	− 0 57.7	1.712	2.640	10.9	21.2
8 29	23 35.81	− 2 3.2	1.673	2.652	6.7	20.9
9 8	23 27.31	− 3 17.8	1.660	2.664	2.1	20.7
9 18	23 18.44	− 4 34.4	1.674	2.675	2.5	20.7
9 28	23 10.24	− 5 45.6	1.717	2.685	6.9	21.0
10 8	23 3.59	− 6 44.8	1.786	2.695	10.8	21.3
10 18	22 59.08	− 7 28.3	1.878	2.704	14.2	21.5

472401 2015 BC_{196} 9 12.6 74°.62 3°.9/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.17	−10 40.2	1.442	2.327	15.5	20.9
8 19	23 44.72	−11 34.6	1.398	2.344	11.4	20.7
8 29	23 36.90	−12 33.8	1.376	2.362	7.0	20.5
9 8	23 27.65	−13 29.7	1.379	2.379	3.9	20.3
9 18	23 18.12	−14 14.3	1.408	2.396	5.7	20.5
9 28	23 9.56	−14 41.5	1.462	2.413	9.7	20.8
10 8	23 2.96	−14 48.6	1.540	2.430	13.5	21.0
10 18	22 58.92	−14 35.9	1.638	2.446	16.7	21.3

150585 2000 WN_{9} 9 12.6 191°.36 7°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.27	−31 33.8	2.990	3.839	9.4	20.6
8 19	23 43.23	−32 36.6	2.940	3.837	8.0	20.5
8 29	23 35.71	−33 30.2	2.916	3.835	7.2	20.5
9 8	23 27.25	−34 9.3	2.918	3.832	7.3	20.5
9 18	23 18.53	−34 30.0	2.947	3.828	8.2	20.5
9 28	23 10.31	−34 30.3	3.001	3.824	9.7	20.6
10 8	23 3.22	−34 10.4	3.078	3.820	11.2	20.7
10 18	22 57.77	−33 32.3	3.174	3.815	12.6	20.9

186331 2002 EU_{20} 9 12.6 67°.96 2°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.32	− 9 57.5	2.089	2.958	12.0	19.2
8 19	23 42.74	−10 20.3	2.035	2.974	8.8	19.0
8 29	23 35.47	−10 46.5	2.006	2.990	5.4	18.8
9 8	23 27.18	−11 11.5	2.004	3.006	2.5	18.7
9 18	23 18.67	−11 30.8	2.030	3.022	3.7	18.8
9 28	23 10.81	−11 40.9	2.084	3.038	7.0	19.0
10 8	23 4.33	−11 39.3	2.164	3.054	10.2	19.3
10 18	22 59.72	−11 25.6	2.267	3.069	12.9	19.5

203671 2002 JN_{123} 9 12.6 226°.81 7°.0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.88	−19 36.9	1.769	2.657	13.0	20.1
8 19	23 42.21	−21 7.3	1.714	2.655	10.0	19.9
8 29	23 35.42	−22 35.6	1.683	2.653	7.6	19.8
9 8	23 27.22	−23 52.4	1.678	2.651	7.0	19.8
9 18	23 18.59	−24 49.7	1.698	2.650	8.8	19.9
9 28	23 10.60	−25 21.9	1.744	2.648	11.5	20.0
10 8	23 4.22	−25 27.6	1.811	2.645	14.4	20.2
10 18	23 0.07	−25 8.3	1.898	2.643	17.0	20.4

37180 2000 WE_{46} 9 12.6 133°.10 3°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.31	+ 9 29.4	2.311	3.117	13.1	19.1
8 19	23 39.08	+ 9 11.5	2.232	3.121	10.5	18.9
8 29	23 33.32	+ 8 36.3	2.175	3.125	7.5	18.7
9 8	23 26.54	+ 7 45.8	2.143	3.129	4.6	18.5
9 18	23 19.41	+ 6 43.4	2.139	3.133	3.3	18.5
9 28	23 12.68	+ 5 34.6	2.164	3.136	5.3	18.6
10 8	23 7.06	+ 4 25.4	2.216	3.140	8.3	18.8
10 18	23 3.05	+ 3 21.4	2.293	3.143	11.1	19.0

295393 2008 JF_{7} 9 12.6 74°.24 3°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.06	+10 6.5	2.215	3.022	13.6	20.5
8 19	23 38.97	+ 9 53.9	2.137	3.025	11.0	20.3
8 29	23 33.28	+ 9 23.4	2.080	3.029	7.9	20.2
9 8	23 26.53	+ 8 36.4	2.048	3.032	5.0	20.0
9 18	23 19.41	+ 7 36.4	2.044	3.036	3.7	19.9
9 28	23 12.72	+ 6 28.9	2.067	3.039	5.5	20.0
10 8	23 7.16	+ 5 20.1	2.118	3.043	8.5	20.2
10 18	23 3.28	+ 4 15.9	2.193	3.047	11.4	20.4

158910 2004 RY_{17} 9 12.6 226°.39 0°.7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.02	+ 0 4.2	1.696	2.554	14.9	20.6
8 19	23 42.35	− 0 19.3	1.623	2.552	11.3	20.4
8 29	23 35.54	− 0 57.4	1.572	2.551	7.1	20.1
9 8	23 27.30	− 1 46.2	1.546	2.549	2.6	19.9
9 18	23 18.53	− 2 39.8	1.546	2.548	2.4	19.8
9 28	23 10.34	− 3 31.5	1.574	2.546	7.0	20.1
10 8	23 3.69	− 4 14.9	1.627	2.544	11.2	20.4
10 18	22 59.25	− 4 45.5	1.702	2.542	14.8	20.6

190564 2000 SU_{128} 9 12.6 156°.77 1°.3/11.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.35	− 5 52.0	1.855	2.720	13.5	19.7
8 19	23 43.85	− 6 19.7	1.788	2.724	10.0	19.5
8 29	23 36.34	− 6 55.7	1.743	2.727	6.0	19.3
9 8	23 27.52	− 7 35.0	1.725	2.730	2.0	19.0
9 18	23 18.30	− 8 12.0	1.735	2.733	3.2	19.1
9 28	23 9.68	− 8 41.4	1.773	2.735	7.3	19.4
10 8	23 2.57	− 8 59.3	1.836	2.737	11.0	19.6
10 18	22 57.58	− 9 3.4	1.922	2.739	14.3	19.8

397308 2006 SS_{247} 9 12.6 305°.68 1°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.04	− 5 50.8	1.824	2.696	13.4	21.1
8 19	23 41.54	− 6 19.3	1.747	2.686	10.0	20.9
8 29	23 35.02	− 6 56.7	1.692	2.677	6.0	20.7
9 8	23 27.13	− 7 38.1	1.663	2.668	2.0	20.4
9 18	23 18.72	− 8 17.8	1.661	2.659	3.3	20.4
9 28	23 10.79	− 8 50.2	1.686	2.650	7.5	20.7
10 8	23 4.29	− 9 10.6	1.737	2.641	11.4	20.9
10 18	22 59.86	− 9 16.5	1.809	2.633	14.7	21.1

100610 1997 ST_{18} 9 12.6 108°.56 0°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.29	− 2 8.0	1.973	2.830	13.1	20.4
8 19	23 41.44	− 2 39.1	1.907	2.838	9.8	20.2
8 29	23 34.81	− 3 21.1	1.865	2.846	6.0	20.0
9 8	23 27.02	− 4 9.7	1.849	2.853	1.9	19.7
9 18	23 18.89	− 4 59.5	1.860	2.861	2.3	19.8
9 28	23 11.31	− 5 44.9	1.900	2.868	6.4	20.1
10 8	23 5.08	− 6 21.1	1.966	2.875	10.0	20.3
10 18	23 0.76	− 6 44.9	2.055	2.882	13.1	20.5

74738 1999 RE_{182} 9 12.6 286°.13 0°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.67	+ 0 52.8	1.433	2.302	16.6	19.5
8 19	23 41.07	+ 0 2.4	1.353	2.289	12.6	19.2
8 29	23 35.01	− 1 9.1	1.294	2.276	7.9	18.9
9 8	23 27.19	− 2 36.1	1.259	2.263	2.7	18.6
9 18	23 18.62	− 4 10.2	1.249	2.250	2.9	18.5
9 28	23 10.57	− 5 40.5	1.265	2.238	8.2	18.8
10 8	23 4.23	− 6 57.4	1.305	2.225	13.1	19.1
10 18	23 0.41	− 7 54.5	1.366	2.213	17.4	19.3

342922 2008 YE_{167} 9 12.6 211°.68 6°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.62	+16 24.0	2.185	2.949	15.1	20.7
8 19	23 41.79	+16 41.3	2.095	2.945	12.7	20.5
8 29	23 35.12	+16 37.7	2.025	2.940	10.0	20.3
9 8	23 27.16	+16 12.4	1.978	2.935	7.5	20.2
9 18	23 18.68	+15 26.7	1.958	2.929	6.2	20.1
9 28	23 10.56	+14 24.9	1.965	2.923	7.0	20.1
10 8	23 3.66	+13 13.7	1.998	2.916	9.4	20.2
10 18	22 58.62	+12 0.3	2.056	2.909	12.1	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
229408 2005 SS_{229}			9 12.6 307°.78		0°.3/12.8 18	
	h m	° ′			°	m
8 9	23 42.88	+ 0 39.0	1.396	2.270	16.6	20.5
8 19	23 39.86	− 0 6.5	1.309	2.248	12.7	20.2
8 29	23 34.37	− 1 13.7	1.243	2.226	8.0	19.9
9 8	23 27.02	− 2 37.5	1.200	2.204	2.7	19.5
9 18	23 18.80	− 4 9.6	1.181	2.183	2.9	19.5
9 28	23 11.01	− 5 39.4	1.189	2.162	8.5	19.7
10 8	23 4.89	− 6 56.3	1.219	2.142	13.6	20.0
10 18	23 1.34	− 7 53.3	1.270	2.122	18.1	20.2
361515 2007 EJ_{216}			9 12.6 123°.52		3°.1/16.9 18	
8 9	23 43.47	+ 9 58.6	2.626	3.422	12.0	21.2
8 19	23 38.99	+ 9 40.8	2.551	3.434	9.6	21.0
8 29	23 33.16	+ 9 7.7	2.499	3.445	6.9	20.9
9 8	23 26.48	+ 8 21.0	2.473	3.456	4.3	20.7
9 18	23 19.53	+ 7 23.8	2.475	3.467	3.1	20.7
9 28	23 12.97	+ 6 20.7	2.506	3.477	4.8	20.8
10 8	23 7.40	+ 5 16.9	2.566	3.487	7.4	21.0
10 18	23 3.27	+ 4 17.2	2.652	3.497	9.9	21.2
266057 2006 QG_{97}			9 12.6 327°.93		1°.0/11.8 18	
8 9	23 38.44	− 0 51.5	1.070	1.970	18.5	20.3
8 19	23 37.06	− 1 54.1	0.993	1.947	14.0	19.9
8 29	23 32.89	− 3 23.4	0.935	1.924	8.6	19.6
9 8	23 26.59	− 5 12.1	0.898	1.903	2.6	19.1
9 18	23 19.30	− 7 7.9	0.883	1.883	4.2	19.2
9 28	23 12.56	− 8 55.4	0.891	1.865	10.5	19.5
10 8	23 7.82	−10 21.3	0.919	1.847	16.3	19.7
10 18	23 6.09	−11 17.6	0.965	1.832	21.3	20.0
237585 2001 FC_{18}			9 12.6 139°.59		2°.2/15.2 18	
8 9	23 44.20	+ 6 59.6	2.073	2.896	13.9	20.6
8 19	23 39.87	+ 6 13.8	1.998	2.903	10.8	20.4
8 29	23 33.85	+ 5 9.5	1.947	2.910	7.3	20.2
9 8	23 26.73	+ 3 50.1	1.921	2.916	3.7	20.0
9 18	23 19.24	+ 2 21.2	1.923	2.922	2.5	19.9
9 28	23 12.24	+ 0 50.0	1.954	2.928	5.6	20.1
10 8	23 6.48	− 0 36.0	2.013	2.934	9.1	20.4
10 18	23 2.50	− 1 51.1	2.096	2.939	12.3	20.6
194958 2002 AL_{170}			9 12.6 340°.19		3°.8/14.9 18	
8 9	23 43.87	+ 3 15.4	1.145	2.021	19.3	19.5
8 19	23 41.01	+ 3 50.8	1.070	2.004	15.3	19.2
8 29	23 35.25	+ 4 6.9	1.013	1.989	10.5	18.9
9 8	23 27.34	+ 4 4.1	0.976	1.974	5.6	18.6
9 18	23 18.45	+ 3 45.4	0.962	1.962	4.2	18.5
9 28	23 10.15	+ 3 17.5	0.970	1.950	8.7	18.7
10 8	23 3.91	+ 2 48.9	1.000	1.941	13.9	18.9
10 18	23 0.70	+ 2 27.1	1.049	1.933	18.6	19.2
168717 2000 JP_{59}			9 12.6 159°.22		3°.2/16.5 18	
8 9	23 46.29	+ 9 10.4	2.576	3.372	12.2	20.6
8 19	23 41.13	+ 9 2.9	2.496	3.379	9.8	20.5
8 29	23 34.51	+ 8 40.4	2.438	3.386	7.0	20.3
9 8	23 26.93	+ 8 4.5	2.407	3.392	4.3	20.1
9 18	23 19.03	+ 7 17.8	2.405	3.397	3.2	20.1
9 28	23 11.52	+ 6 24.8	2.432	3.402	5.0	20.2
10 8	23 5.05	+ 5 30.3	2.487	3.406	7.7	20.4
10 18	23 0.11	+ 4 39.1	2.568	3.410	10.4	20.6
215723 2004 BT_{101}			9 12.6 250°.95		1°.0/13.8 18	
8 9	23 44.48	+ 2 48.9	2.303	3.138	12.3	21.7
8 19	23 40.10	+ 2 7.1	2.204	3.120	9.4	21.5
8 29	23 34.06	+ 1 10.4	2.129	3.102	6.1	21.3
9 8	23 26.84	+ 0 1.9	2.081	3.082	2.5	21.0
9 18	23 19.10	− 1 13.5	2.061	3.063	1.9	20.9
9 28	23 11.64	− 2 29.8	2.071	3.042	5.6	21.1
10 8	23 5.23	− 3 40.6	2.109	3.022	9.2	21.3
10 18	23 0.47	− 4 41.0	2.171	3.001	12.4	21.5
203132 2000 SG_{352}			9 12.6 347°.41		9°.2/ 6.9 18	
8 9	23 43.24	−19 52.3	0.969	1.890	18.0	18.6
8 19	23 40.91	−20 41.9	0.913	1.872	14.1	18.4
8 29	23 35.29	−21 26.9	0.874	1.857	10.6	18.1
9 8	23 27.34	−21 54.6	0.856	1.843	9.2	18.0
9 18	23 18.56	−21 54.4	0.857	1.832	11.3	18.1
9 28	23 10.77	−21 20.1	0.879	1.823	15.3	18.3
10 8	23 5.48	−20 12.1	0.918	1.816	19.5	18.5
10 18	23 3.57	−18 35.7	0.974	1.812	23.4	18.7
362910 2012 CM_{30}			9 12.6 115°.65		1°.1/11.3 18	
8 9	23 44.49	− 5 23.7	2.440	3.300	10.9	21.5
8 19	23 39.81	− 6 1.7	2.376	3.310	8.0	21.3
8 29	23 33.69	− 6 46.4	2.336	3.319	4.8	21.2
9 8	23 26.67	− 7 33.8	2.324	3.328	1.6	20.9
9 18	23 19.39	− 8 19.4	2.340	3.337	2.6	21.0
9 28	23 12.55	− 8 58.8	2.386	3.346	5.8	21.3
10 8	23 6.80	− 9 28.5	2.458	3.354	8.8	21.5
10 18	23 2.59	− 9 46.4	2.554	3.363	11.4	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
149143 2002 EA_{105}			9 12.6 129°.20		2°.8/ 9.4 18	
	h m	° ′			°	m
8 9	23 45.42	−10 56.3	2.385	3.256	10.7	20.2
8 19	23 40.53	−11 44.4	2.324	3.264	7.8	20.1
8 29	23 34.15	−12 35.8	2.289	3.272	4.9	19.9
9 8	23 26.82	−13 25.5	2.280	3.279	2.8	19.8
9 18	23 19.22	−14 8.4	2.301	3.286	4.1	19.9
9 28	23 12.10	−14 40.5	2.349	3.293	6.9	20.1
10 8	23 6.12	−14 59.1	2.424	3.300	9.8	20.3
10 18	23 1.76	−15 3.1	2.522	3.306	12.2	20.4
185326 2006 VC_{17}			9 12.6 108°.33		2°.2/10.8 18	
8 9	23 50.79	− 7 8.9	1.588	2.462	15.0	20.5
8 19	23 45.10	− 7 49.5	1.534	2.475	11.0	20.3
8 29	23 37.16	− 8 38.4	1.502	2.487	6.6	20.1
9 8	23 27.81	− 9 28.8	1.496	2.500	2.6	19.8
9 18	23 18.11	−10 13.9	1.517	2.512	4.1	20.0
9 28	23 9.24	−10 47.3	1.564	2.523	8.4	20.3
10 8	23 2.17	−11 5.2	1.636	2.535	12.3	20.5
10 18	22 57.52	−11 6.2	1.730	2.546	15.7	20.8
504433 2008 AV_{93}			9 12.6 240°.24		4°.8/ 8.6 17	
8 9	23 48.54	−11 52.4	1.471	2.360	15.0	21.5
8 19	23 43.81	−13 3.9	1.408	2.356	11.2	21.3
8 29	23 36.60	−14 21.7	1.367	2.352	7.2	21.1
9 8	23 27.69	−15 36.3	1.351	2.348	4.8	20.9
9 18	23 18.20	−16 38.5	1.361	2.343	6.8	21.0
9 28	23 9.42	−17 20.3	1.395	2.339	10.7	21.2
10 8	23 2.49	−17 38.0	1.453	2.334	14.7	21.5
10 18	22 58.16	−17 31.4	1.530	2.329	18.1	21.7
84968 2003 YW_{17}			9 12.6 243°.49		1°.2/13.5 18	
8 9	23 48.81	+ 0 45.6	1.527	2.386	16.2	20.0
8 19	23 43.94	+ 0 33.3	1.454	2.383	12.4	19.7
8 29	23 36.66	+ 0 4.7	1.401	2.379	7.9	19.5
9 8	23 27.72	− 0 36.4	1.373	2.376	3.1	19.2
9 18	23 18.15	− 1 24.4	1.371	2.372	2.6	19.1
9 28	23 9.20	− 2 12.2	1.395	2.369	7.4	19.4
10 8	23 1.98	− 2 52.6	1.444	2.365	12.0	19.7
10 18	22 57.27	− 3 20.7	1.514	2.361	15.9	19.9
423270 2004 VU_{42}			9 12.6 313°.81		0°.3/12.5 18	
8 9	23 44.91	− 1 53.5	1.128	2.018	18.5	21.6
8 19	23 41.91	− 2 17.7	1.050	1.997	14.1	21.3
8 29	23 35.90	− 3 1.5	0.990	1.976	8.8	21.0
9 8	23 27.60	− 3 59.8	0.951	1.956	2.8	20.5
9 18	23 18.21	− 5 4.0	0.935	1.936	3.6	20.5
9 28	23 9.36	− 6 3.2	0.942	1.918	9.8	20.8
10 8	23 2.60	− 6 47.6	0.971	1.899	15.6	21.1
10 18	22 58.99	− 7 11.2	1.017	1.882	20.6	21.3
338020 2002 GA_{47}			9 12.6 62°.53		2°.7/15.6 16	
8 9	23 43.14	+ 8 37.0	1.609	2.443	16.7	20.3
8 19	23 39.45	+ 7 38.1	1.547	2.457	13.1	20.1
8 29	23 33.74	+ 6 14.3	1.506	2.471	8.9	19.9
9 8	23 26.74	+ 4 30.5	1.489	2.485	4.6	19.6
9 18	23 19.36	+ 2 34.9	1.499	2.499	2.9	19.6
9 28	23 12.66	+ 0 38.0	1.536	2.513	6.5	19.8
10 8	23 7.50	− 1 10.1	1.600	2.528	10.6	20.1
10 18	23 4.49	− 2 41.8	1.687	2.542	14.2	20.4
505685 2014 WC_{299}			9 12.6 280°.94		3°.0/14.7 18	
8 9	23 49.78	+ 3 37.5	1.379	2.232	17.9	21.1
8 19	23 45.08	+ 3 51.0	1.297	2.219	14.1	20.8
8 29	23 37.62	+ 3 45.4	1.235	2.206	9.6	20.5
9 8	23 28.11	+ 3 22.3	1.195	2.193	4.8	20.2
9 18	23 17.68	+ 2 45.7	1.180	2.180	3.6	20.1
9 28	23 7.79	+ 2 2.4	1.191	2.167	8.1	20.3
10 8	22 59.78	+ 1 20.7	1.225	2.154	13.0	20.6
10 18	22 54.60	+ 0 47.6	1.280	2.141	17.4	20.8
11033 Mazanek			9 12.6 356°.47		9°.9/ 3.5 18	
8 9	23 43.88	−22 9.7	1.251	2.159	15.8	17.3
8 19	23 40.72	−24 4.2	1.207	2.155	12.6	17.1
8 29	23 34.84	−25 53.1	1.184	2.152	10.3	17.0
9 8	23 27.15	−27 22.7	1.184	2.151	10.2	17.0
9 18	23 18.91	−28 21.7	1.206	2.150	12.3	17.1
9 28	23 11.57	−28 44.0	1.249	2.150	15.4	17.3
10 8	23 6.33	−28 29.4	1.311	2.151	18.5	17.5
10 18	23 3.90	−27 42.2	1.388	2.153	21.3	17.7
318265 2004 SF_{20}			9 12.6 339°.09		1°.9/11.1 18	
8 9	23 47.97	− 8 47.1	1.823	2.698	13.3	19.8
8 19	23 42.96	− 8 54.5	1.749	2.690	9.9	19.6
8 29	23 35.90	− 9 6.8	1.698	2.682	6.0	19.4
9 8	23 27.46	− 9 19.6	1.672	2.675	2.4	19.1
9 18	23 18.53	− 9 28.2	1.673	2.669	3.6	19.2
9 28	23 10.15	− 9 28.6	1.701	2.663	7.6	19.4
10 8	23 3.26	− 9 17.9	1.755	2.658	11.4	19.6
10 18	22 58.51	− 8 54.9	1.831	2.653	14.7	19.9

446163 2013 EE_{119} 9 12.6 152°.43 0°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.01	+ 0 25.3	2.581	3.415	11.1	21.5
8 19	23 41.63	+ 0 17.5	2.505	3.421	8.4	21.3
8 29	23 34.81	+ 0 0.3	2.455	3.427	5.4	21.2
9 8	23 27.06	− 0 23.8	2.431	3.433	2.2	21.0
9 18	23 19.01	− 0 51.8	2.437	3.438	1.7	20.9
9 28	23 11.37	− 1 19.9	2.473	3.443	4.9	21.2
10 8	23 4.78	− 1 44.7	2.536	3.447	8.0	21.4
10 18	22 59.72	− 2 3.1	2.625	3.452	10.6	21.6

224977 2007 ER_{66} 9 12.6 70°.58 1°.4/11.1 18

8 9	23 46.00	− 6 42.2	2.181	3.046	11.8	20.3
8 19	23 41.02	− 7 11.2	2.124	3.061	8.6	20.2
8 29	23 34.47	− 7 46.2	2.092	3.075	5.2	20.0
9 8	23 26.94	− 8 22.9	2.086	3.090	1.9	19.8
9 18	23 19.17	− 8 56.7	2.108	3.105	3.0	19.9
9 28	23 11.96	− 9 23.3	2.159	3.119	6.3	20.1
10 8	23 6.00	− 9 39.5	2.236	3.134	9.5	20.4
10 18	23 1.77	− 9 43.8	2.337	3.148	12.2	20.6

273441 2006 WE_{165} 9 12.6 237°.99 0°.9/13.4 18

8 9	23 48.29	+ 0 56.9	1.785	2.634	14.7	21.8
8 19	23 43.36	+ 0 31.6	1.699	2.623	11.2	21.5
8 29	23 36.25	− 0 9.1	1.635	2.611	7.2	21.3
9 8	23 27.61	− 1 1.9	1.596	2.599	2.7	21.0
9 18	23 18.32	− 2 1.1	1.585	2.586	2.4	20.9
9 28	23 9.47	− 2 59.7	1.601	2.573	6.9	21.2
10 8	23 2.08	− 3 51.1	1.643	2.559	11.2	21.4
10 18	22 56.88	− 4 30.2	1.709	2.545	14.9	21.6

451203 2009 UL_{131} 9 12.6 312°.34 10°.7/29.8 18

8 9	23 48.04	−35 19.5	2.073	2.931	12.6	20.2
8 19	23 43.16	−36 47.5	2.021	2.913	11.3	20.0
8 29	23 36.08	−38 1.7	1.990	2.895	10.7	20.0
9 8	23 27.52	−38 53.4	1.983	2.878	11.1	20.0
9 18	23 18.47	−39 16.4	1.999	2.860	12.4	20.0
9 28	23 10.06	−39 7.8	2.036	2.843	14.2	20.1
10 8	23 3.28	−38 28.7	2.093	2.827	16.0	20.2
10 18	22 58.79	−37 22.8	2.165	2.810	17.7	20.3

474515 2003 UU_{179} 9 12.6 335°.28 0°.2/12.4 18

8 9	23 39.55	− 0 24.2	1.299	2.185	16.8	20.2
8 19	23 37.44	− 1 11.9	1.222	2.167	12.7	19.9
8 29	23 32.89	− 2 20.8	1.164	2.150	7.9	19.6
9 8	23 26.58	− 3 44.9	1.128	2.134	2.5	19.2
9 18	23 19.51	− 5 15.2	1.117	2.119	3.2	19.2
9 28	23 12.96	− 6 40.3	1.130	2.105	8.7	19.5
10 8	23 8.12	− 7 50.3	1.166	2.092	13.8	19.7
10 18	23 5.85	− 8 38.6	1.221	2.081	18.2	20.0

375158 2008 CG_{138} 9 12.6 116°.05 1°.3/11.6 17

8 9	23 50.54	− 4 53.6	1.611	2.479	15.1	21.3
8 19	23 44.92	− 5 29.3	1.554	2.491	11.1	21.1
8 29	23 37.08	− 6 15.2	1.519	2.502	6.7	20.9
9 8	23 27.82	− 7 5.5	1.509	2.514	2.2	20.6
9 18	23 18.19	− 7 53.5	1.526	2.524	3.4	20.8
9 28	23 9.33	− 8 32.6	1.571	2.535	7.9	21.1
10 8	23 2.24	− 8 58.1	1.640	2.545	11.9	21.3
10 18	22 57.53	− 9 7.9	1.731	2.554	15.3	21.6

265099 2003 SX_{306} 9 12.6 278°.50 2°.2/15.3 18

8 9	23 42.34	+ 6 1.8	2.398	3.221	12.2	21.0
8 19	23 38.45	+ 5 38.4	2.302	3.207	9.6	20.8
8 29	23 33.02	+ 4 59.8	2.230	3.192	6.6	20.6
9 8	23 26.54	+ 4 8.2	2.183	3.178	3.5	20.3
9 18	23 19.61	+ 3 7.1	2.165	3.163	2.4	20.2
9 28	23 12.97	+ 2 1.7	2.175	3.149	5.1	20.4
10 8	23 7.32	+ 0 57.7	2.212	3.134	8.4	20.6
10 18	23 3.21	+ 0 0.3	2.275	3.119	11.4	20.8

263165 2007 VN_{311} 9 12.6 82°.15 3°.6/ 9.9 17

8 9	23 51.08	− 9 46.3	1.383	2.268	16.0	20.5
8 19	23 45.57	−10 35.3	1.335	2.281	11.8	20.2
8 29	23 37.56	−11 30.6	1.309	2.295	7.2	20.0
9 8	23 27.99	−12 24.0	1.307	2.308	3.7	19.8
9 18	23 18.07	−13 7.4	1.331	2.322	5.5	20.0
9 28	23 9.13	−13 34.2	1.380	2.335	9.7	20.3
10 8	23 2.24	−13 41.2	1.453	2.348	13.8	20.6
10 18	22 58.03	−13 28.6	1.546	2.361	17.2	20.8

260433 2004 XB_{111} 9 12.6 350°.56 8°.4/21.9 18

8 9	23 44.21	+21 8.3	2.046	2.789	16.6	19.7
8 19	23 40.20	+21 53.5	1.962	2.785	14.5	19.5
8 29	23 34.27	+22 15.2	1.896	2.782	12.1	19.3
9 8	23 26.98	+22 11.2	1.851	2.780	9.9	19.2
9 18	23 19.13	+21 41.4	1.831	2.778	8.5	19.1
9 28	23 11.66	+20 49.2	1.835	2.776	8.7	19.1
10 8	23 5.49	+19 41.1	1.864	2.775	10.4	19.2
10 18	23 1.27	+18 25.1	1.916	2.774	12.6	19.4

96842 1999 RH_{208} 9 12.6 309°.83 5°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.72	+ 7 56.0	1.577	2.405	17.3	18.6
8 19	23 44.96	+ 8 51.8	1.481	2.381	14.1	18.3
8 29	23 37.57	+ 9 31.0	1.404	2.357	10.5	18.1
9 8	23 28.16	+ 9 51.9	1.350	2.334	7.0	17.8
9 18	23 17.69	+ 9 54.2	1.321	2.311	5.8	17.7
9 28	23 7.49	+ 9 41.1	1.318	2.288	8.3	17.8
10 8	22 58.88	+ 9 18.7	1.339	2.266	12.3	17.9
10 18	22 52.86	+ 8 54.0	1.382	2.244	16.3	18.1

136709 1995 TE_{9} 9 12.6 1°.85 0°.2/12.5 17

8 9	23 38.59	+ 0 44.9	1.010	1.909	19.5	19.4
8 19	23 37.06	− 0 15.9	0.954	1.906	14.7	19.1
8 29	23 32.76	− 1 42.9	0.917	1.905	9.1	18.8
9 8	23 26.55	− 3 27.6	0.900	1.905	2.9	18.5
9 18	23 19.68	− 5 17.3	0.905	1.907	3.5	18.5
9 28	23 13.64	− 6 57.4	0.933	1.910	9.6	18.9
10 8	23 9.70	− 8 16.0	0.982	1.915	15.0	19.2
10 18	23 8.64	− 9 7.0	1.049	1.921	19.6	19.5

212921 2007 YD_{23} 9 12.6 42°.12 7°.3/ 4.8 18

8 9	23 46.62	−22 13.2	1.871	2.756	12.5	19.7
8 19	23 41.91	−23 35.3	1.823	2.759	9.9	19.5
8 29	23 35.21	−24 52.3	1.799	2.762	7.8	19.4
9 8	23 27.24	−25 55.7	1.800	2.765	7.4	19.4
9 18	23 18.92	−26 38.6	1.827	2.769	9.0	19.5
9 28	23 11.27	−26 56.7	1.879	2.772	11.4	19.7
10 8	23 5.17	−26 49.6	1.953	2.776	14.0	19.9
10 18	23 1.20	−26 19.3	2.045	2.780	16.2	20.0

335132 2004 TH_{345} 9 12.6 346°.55 7°.2/ 6.5 18

8 9	23 37.87	−13 55.0	1.034	1.957	17.0	19.3
8 19	23 36.65	−15 30.1	0.977	1.941	12.8	19.0
8 29	23 32.59	−17 12.7	0.939	1.927	8.8	18.8
9 8	23 26.53	−18 49.3	0.922	1.915	7.3	18.7
9 18	23 19.69	−20 5.6	0.926	1.904	9.9	18.8
9 28	23 13.62	−20 50.6	0.951	1.896	14.3	19.0
10 8	23 9.68	−20 59.5	0.995	1.889	18.7	19.2
10 18	23 8.69	−20 33.5	1.054	1.885	22.5	19.5

67234 2000 ED_{12} 9 12.6 326°.77 5°.8/ 5.6 18

8 9	23 39.65	−14 6.4	1.727	2.625	12.7	18.4
8 19	23 37.06	−16 1.4	1.651	2.603	9.5	18.2
8 29	23 32.46	−18 3.7	1.599	2.581	6.7	18.0
9 8	23 26.43	−20 3.0	1.573	2.560	5.9	17.9
9 18	23 19.77	−21 48.8	1.574	2.539	8.0	18.0
9 28	23 13.51	−23 11.8	1.600	2.519	11.4	18.1
10 8	23 8.61	−24 6.8	1.648	2.500	14.8	18.3
10 18	23 5.79	−24 32.4	1.715	2.482	17.7	18.5

435169 2007 PQ_{34} 9 12.6 12°.87 2°.5/10.5 18

8 9	23 35.98	− 3 38.5	0.964	1.879	18.7	19.3
8 19	23 35.04	− 5 2.0	0.924	1.886	13.7	19.1
8 29	23 31.42	− 6 44.3	0.903	1.896	8.1	18.8
9 8	23 26.09	− 8 33.5	0.903	1.909	3.0	18.6
9 18	23 20.29	−10 15.3	0.925	1.923	5.2	18.8
9 28	23 15.43	−11 36.9	0.970	1.939	10.6	19.1
10 8	23 12.62	−12 30.5	1.034	1.958	15.4	19.5
10 18	23 12.47	−12 53.9	1.117	1.978	19.4	19.8

24501 2001 AN_{37} 9 12.6 283°.73 0°.2/12.9 16

8 9	23 40.57	− 2 36.0	4.301	5.139	7.0	18.8
8 19	23 36.44	− 2 39.9	4.210	5.131	5.2	18.7
8 29	23 31.49	− 2 48.2	4.146	5.123	3.2	18.6
9 8	23 26.01	− 2 59.3	4.111	5.115	1.1	18.4
9 18	23 20.33	− 3 11.6	4.106	5.107	1.1	18.4
9 28	23 14.84	− 3 23.2	4.131	5.099	3.3	18.5
10 8	23 9.89	− 3 32.2	4.186	5.091	5.3	18.7
10 18	23 5.79	− 3 37.2	4.267	5.083	7.0	18.8

423142 2004 DK_{56} 9 12.6 98°.06 1°.1/13.6 17

8 9	23 49.35	+ 1 28.3	1.593	2.446	16.0	21.2
8 19	23 44.04	+ 1 3.3	1.536	2.461	12.1	21.0
8 29	23 36.56	+ 0 21.9	1.500	2.477	7.7	20.8
9 8	23 27.69	− 0 31.1	1.489	2.492	3.0	20.6
9 18	23 18.45	− 1 29.6	1.505	2.506	2.4	20.6
9 28	23 9.99	− 2 26.2	1.548	2.521	6.9	20.9
10 8	23 3.26	− 3 14.3	1.616	2.535	11.1	21.2
10 18	22 58.88	− 3 49.3	1.707	2.549	14.7	21.4

148479 2001 FK_{124} 9 12.6 174°.07 2°.2/10.7 18

8 9	23 49.78	− 6 51.2	1.739	2.609	14.0	20.9
8 19	23 44.35	− 7 41.0	1.672	2.611	10.4	20.7
8 29	23 36.78	− 8 39.8	1.629	2.613	6.3	20.4
9 8	23 27.78	− 9 41.2	1.611	2.614	2.5	20.2
9 18	23 18.32	−10 37.9	1.621	2.615	4.1	20.3
9 28	23 9.49	−11 23.4	1.659	2.616	8.2	20.6
10 8	23 2.26	−11 53.1	1.721	2.616	12.1	20.8
10 18	22 57.30	−12 5.0	1.806	2.615	15.4	21.0

177736 2005 JH_{25} 9 12.6 69°.58 3°.0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.20	− 8 20.4	1.343	2.229	16.4	20.2
8 19	23 44.96	− 9 8.6	1.297	2.244	12.0	19.9
8 29	23 37.20	−10 4.7	1.273	2.260	7.3	19.7
9 8	23 27.90	−11 0.7	1.272	2.275	3.3	19.5
9 18	23 18.26	−11 48.1	1.297	2.290	5.1	19.7
9 28	23 9.61	−12 20.2	1.347	2.306	9.5	20.0
10 8	23 3.02	−12 33.1	1.421	2.321	13.7	20.3
10 18	22 59.11	−12 26.3	1.514	2.337	17.2	20.6

50735 2000 ER_{153} 9 12.6 234°.49 1°.0/13.7 18

8 9	23 44.72	+ 1 58.9	1.978	2.824	13.6	20.1
8 19	23 40.43	+ 1 27.3	1.899	2.821	10.4	19.9
8 29	23 34.33	+ 0 40.8	1.843	2.818	6.6	19.7
9 8	23 27.00	− 0 16.9	1.812	2.814	2.7	19.4
9 18	23 19.21	− 1 20.7	1.809	2.811	2.1	19.4
9 28	23 11.87	− 2 24.2	1.835	2.807	6.1	19.6
10 8	23 5.81	− 3 21.0	1.886	2.804	9.9	19.9
10 18	23 1.62	− 4 6.6	1.961	2.800	13.2	20.1

447098 2004 TB_{125} 9 12.6 331°.52 2°.4/10.3 18

8 9	23 41.38	− 6 51.8	1.671	2.557	13.7	20.3
8 19	23 38.33	− 7 45.9	1.591	2.539	10.1	20.1
8 29	23 33.24	− 8 50.8	1.534	2.522	6.1	19.8
9 8	23 26.70	−10 0.1	1.501	2.505	2.6	19.6
9 18	23 19.55	−11 6.1	1.495	2.489	4.4	19.6
9 28	23 12.85	−12 1.0	1.514	2.474	8.5	19.9
10 8	23 7.56	−12 39.1	1.557	2.459	12.6	20.1
10 18	23 4.38	−12 57.3	1.621	2.446	16.1	20.3

461130 2015 RJ_{235} 9 12.7 342°.88 3°.4/ 8.7 18

8 9	23 41.76	− 9 45.1	1.947	2.831	12.1	20.4
8 19	23 38.26	−11 3.1	1.880	2.827	8.9	20.2
8 29	23 33.01	−12 28.1	1.837	2.823	5.5	20.0
9 8	23 26.58	−13 52.9	1.821	2.819	3.4	19.9
9 18	23 19.74	−15 10.0	1.832	2.816	5.1	20.0
9 28	23 13.36	−16 12.6	1.870	2.813	8.4	20.2
10 8	23 8.24	−16 56.3	1.932	2.811	11.7	20.4
10 18	23 4.96	−17 19.4	2.016	2.808	14.6	20.6

26557 Aakritijain 9 12.7 18°.64 1°.8/11.2 18

8 9	23 46.67	− 6 32.4	1.561	2.442	14.8	18.4
8 19	23 42.20	− 7 1.1	1.501	2.445	10.9	18.2
8 29	23 35.51	− 7 38.8	1.462	2.448	6.6	18.0
9 8	23 27.39	− 8 19.4	1.448	2.453	2.4	17.7
9 18	23 18.84	− 8 56.7	1.460	2.457	3.8	17.8
9 28	23 10.99	− 9 24.4	1.498	2.463	8.1	18.1
10 8	23 4.82	− 9 38.3	1.560	2.468	12.2	18.4
10 18	23 0.97	− 9 36.4	1.644	2.474	15.7	18.6

158780 2003 SN_{75} 9 12.7 14°.40 0°.4/13.0 18

8 9	23 43.32	− 0 34.3	2.094	2.949	12.6	19.6
8 19	23 39.25	− 1 0.9	2.022	2.951	9.5	19.4
8 29	23 33.53	− 1 39.1	1.974	2.953	5.9	19.2
9 8	23 26.74	− 2 25.1	1.951	2.955	2.0	18.9
9 18	23 19.58	− 3 14.3	1.956	2.957	2.0	18.9
9 28	23 12.88	− 4 1.3	1.988	2.960	5.8	19.2
10 8	23 7.36	− 4 41.1	2.048	2.962	9.4	19.4
10 18	23 3.58	− 5 10.2	2.131	2.966	12.4	19.6

80610 2000 AE_{163} 9 12.7 283°.21 0°.9/11.9 18

8 9	23 45.47	− 2 0.1	1.483	2.357	15.8	19.7
8 19	23 41.67	− 2 53.6	1.402	2.342	11.9	19.4
8 29	23 35.44	− 4 4.6	1.342	2.327	7.3	19.1
9 8	23 27.46	− 5 27.1	1.306	2.311	2.3	18.8
9 18	23 18.72	− 6 52.5	1.296	2.296	3.4	18.8
9 28	23 10.46	− 8 10.8	1.313	2.281	8.6	19.1
10 8	23 3.87	− 9 13.7	1.353	2.266	13.3	19.3
10 18	22 59.76	− 9 55.9	1.413	2.250	17.4	19.5

21371 1997 TD_{28} 9 12.7 236°.18 1°.7/ 9.1 18

8 9	23 38.16	−12 18.8	4.601	5.466	6.0	19.3
8 19	23 34.65	−12 49.0	4.526	5.462	4.4	19.2
8 29	23 30.41	−13 20.2	4.477	5.458	2.8	19.0
9 8	23 25.69	−13 50.2	4.458	5.454	1.7	18.9
9 18	23 20.82	−14 16.9	4.468	5.450	2.5	19.0
9 28	23 16.13	−14 38.1	4.508	5.446	4.1	19.1
10 8	23 11.95	−14 52.5	4.575	5.442	5.7	19.2
10 18	23 8.55	−14 59.0	4.668	5.437	7.2	19.4

52897 1998 SE_{66} 9 12.7 33°.65 8°.2/ 7.6 18

8 9	23 53.02	−20 29.1	1.211	2.108	17.0	17.1
8 19	23 47.37	−21 18.5	1.171	2.117	13.1	16.9
8 29	23 38.80	−22 1.1	1.152	2.126	9.7	16.8
9 8	23 28.45	−22 26.6	1.155	2.137	8.2	16.7
9 18	23 17.79	−22 27.3	1.181	2.148	9.8	16.9
9 28	23 8.41	−22 0.1	1.231	2.160	13.2	17.1
10 8	23 1.48	−21 6.7	1.301	2.172	16.7	17.3
10 18	22 57.62	−19 51.7	1.389	2.185	19.8	17.6

420514 2012 FK_{42} 9 12.7 203°.41 5°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.77	−14 39.8	1.481	2.369	15.0	20.8
8 19	23 45.47	−15 44.7	1.422	2.368	11.3	20.5
8 29	23 37.64	−16 51.9	1.385	2.366	7.6	20.3
9 8	23 28.12	−17 52.1	1.373	2.365	5.6	20.2
9 18	23 18.07	−18 36.6	1.386	2.363	7.5	20.3
9 28	23 8.81	−18 59.0	1.425	2.361	11.1	20.5
10 8	23 1.50	−18 57.0	1.486	2.359	14.9	20.8
10 18	22 56.84	−18 31.7	1.566	2.357	18.1	21.0

206448 2003 SY_{271} 9 12.7 296°.75 1°.3/14.1 18

8 9	23 41.92	+ 4 46.3	1.714	2.563	15.2	20.4
8 19	23 38.74	+ 3 44.8	1.624	2.546	11.8	20.1
8 29	23 33.51	+ 2 20.2	1.555	2.529	7.7	19.8
9 8	23 26.82	+ 0 36.9	1.510	2.512	3.2	19.5
9 18	23 19.48	− 1 17.7	1.493	2.495	2.3	19.4
9 28	23 12.52	− 3 13.4	1.504	2.478	6.9	19.7
10 8	23 6.92	− 5 0.0	1.540	2.462	11.4	19.9
10 18	23 3.41	− 6 29.4	1.599	2.445	15.3	20.1

23380 3197 $T\text{-}_2$ 9 12.7 213°.67 2°.0/10.6 18

8 9	23 47.35	− 8 55.2	2.314	3.179	11.2	19.6
8 19	23 42.11	− 9 20.4	2.240	3.176	8.3	19.4
8 29	23 35.24	− 9 50.1	2.190	3.173	5.0	19.2
9 8	23 27.30	−10 20.0	2.168	3.171	2.2	19.0
9 18	23 19.00	−10 45.8	2.174	3.167	3.4	19.1
9 28	23 11.15	−11 3.6	2.209	3.164	6.6	19.3
10 8	23 4.47	−11 10.6	2.271	3.161	9.7	19.5
10 18	22 59.51	−11 5.5	2.356	3.157	12.5	19.7

480274 2015 HZ_{88} 9 12.7 13°.14 2°.5/14.9 18

8 9	23 39.60	+ 5 39.4	1.188	2.060	19.0	20.3
8 19	23 37.45	+ 5 3.9	1.132	2.064	14.8	20.1
8 29	23 32.84	+ 4 1.3	1.094	2.070	9.8	19.8
9 8	23 26.59	+ 2 36.9	1.078	2.078	4.7	19.6
9 18	23 19.82	+ 0 59.9	1.085	2.087	3.1	19.5
9 28	23 13.83	− 0 37.9	1.116	2.097	7.7	19.8
10 8	23 9.71	− 2 4.9	1.171	2.108	12.6	20.1
10 18	23 8.13	− 3 13.2	1.245	2.121	16.8	20.4

431296 2006 UO_{327} 9 12.7 236°.87 8°.0/ 4.8 18

8 9	23 50.18	−22 12.2	1.730	2.613	13.5	20.9
8 19	23 44.90	−23 41.7	1.670	2.605	10.7	20.7
8 29	23 37.26	−25 7.3	1.633	2.595	8.5	20.5
9 8	23 28.01	−26 18.9	1.621	2.586	8.1	20.5
9 18	23 18.20	−27 8.1	1.634	2.576	9.8	20.6
9 28	23 9.05	−27 29.3	1.672	2.565	12.6	20.7
10 8	23 1.63	−27 21.6	1.732	2.555	15.5	20.9
10 18	22 56.67	−26 47.6	1.810	2.544	18.1	21.1

28009 1997 YY_1 9 12.7 304°.58 2°.2/10.5 18

8 9	23 44.78	− 7 18.1	1.815	2.693	13.2	18.0
8 19	23 40.72	− 8 3.2	1.736	2.679	9.8	17.8
8 29	23 34.64	− 8 57.2	1.679	2.665	5.9	17.5
9 8	23 27.17	− 9 54.3	1.647	2.651	2.5	17.3
9 18	23 19.13	−10 47.9	1.643	2.637	4.0	17.4
9 28	23 11.54	−11 31.4	1.665	2.624	8.0	17.6
10 8	23 5.32	−11 59.8	1.712	2.610	11.9	17.8
10 18	23 1.17	−12 10.9	1.781	2.598	15.3	18.0

71548 2000 DY_3 9 12.7 63°.96 0°.3/12.4 18

8 9	23 47.20	− 4 7.6	2.332	3.185	11.5	18.6
8 19	23 41.96	− 4 13.8	2.258	3.187	8.6	18.4
8 29	23 35.13	− 4 27.0	2.208	3.188	5.2	18.2
9 8	23 27.27	− 4 44.2	2.185	3.190	1.6	17.9
9 18	23 19.07	− 5 1.9	2.191	3.192	2.1	18.0
9 28	23 11.32	− 5 16.6	2.226	3.193	5.7	18.2
10 8	23 4.73	− 5 25.1	2.289	3.195	8.9	18.4
10 18	22 59.81	− 5 25.2	2.375	3.197	11.7	18.6

366622 2003 QA_{54} 9 12.7 346°.40 3°.3/10.8 17

8 9	23 41.66	− 8 28.8	0.870	1.791	19.6	19.4
8 19	23 39.93	− 8 46.3	0.811	1.776	14.7	19.1
8 29	23 34.88	− 9 15.1	0.769	1.762	9.0	18.8
9 8	23 27.38	− 9 46.6	0.746	1.750	3.8	18.4
9 18	23 18.92	−10 11.1	0.743	1.741	5.8	18.5
9 28	23 11.35	−10 19.0	0.760	1.734	11.8	18.8
10 8	23 6.31	−10 4.8	0.795	1.728	17.5	19.1
10 18	23 4.73	− 9 27.2	0.847	1.726	22.4	19.4

205041 1998 SD_{88} 9 12.7 323°.53 1°.8/13.8 18

8 9	23 51.51	− 0 49.0	1.571	2.428	15.9	19.4
8 19	23 46.08	− 0 13.8	1.488	2.415	12.3	19.1
8 29	23 38.13	+ 0 11.0	1.427	2.403	8.0	18.8
9 8	23 28.36	+ 0 26.6	1.389	2.391	3.4	18.5
9 18	23 17.81	+ 0 35.5	1.378	2.379	2.8	18.5
9 28	23 7.78	+ 0 41.3	1.394	2.368	7.4	18.7
10 8	22 59.48	+ 0 48.5	1.435	2.358	11.9	19.0
10 18	22 53.73	+ 1 0.7	1.497	2.348	15.9	19.2

420302 2011 XZ_1 9 12.7 13°.45 18°.1/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	22 50.49	+25 21.4	0.201	1.160	39.9	15.9
8 19	23 5.87	+28 54.3	0.220	1.178	37.6	16.1
8 29	23 15.68	+30 9.3	0.244	1.205	33.4	16.2
9 8	23 21.56	+29 35.2	0.273	1.240	28.1	16.4
9 18	23 25.34	+27 41.2	0.308	1.281	23.0	16.6
9 28	23 29.00	+25 0.1	0.353	1.329	19.2	16.8
10 8	23 33.85	+22 5.7	0.410	1.381	18.1	17.2
10 18	23 40.45	+19 22.8	0.480	1.436	19.4	17.7

482715 2013 DO_9 9 12.7 263°.05 3°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.16	+ 7 47.2	2.112	2.927	13.9	21.5
8 19	23 41.55	+ 7 51.1	2.019	2.915	11.1	21.2
8 29	23 35.10	+ 7 38.4	1.947	2.902	7.9	21.0
9 8	23 27.34	+ 7 10.2	1.900	2.889	4.8	20.8
9 18	23 19.01	+ 6 29.1	1.881	2.875	3.6	20.7
9 28	23 11.02	+ 5 39.8	1.889	2.862	6.0	20.8
10 8	23 4.21	+ 4 48.5	1.925	2.848	9.3	21.0
10 18	22 59.24	+ 4 0.7	1.984	2.835	12.6	21.2

149307 2002 UQ_1 9 12.7 212°.35 1°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.96	+ 2 56.9	2.034	2.873	13.5	20.1
8 19	23 41.33	+ 2 41.9	1.955	2.871	10.4	19.9
8 29	23 34.90	+ 2 12.6	1.898	2.869	6.8	19.7
9 8	23 27.25	+ 1 31.7	1.868	2.867	3.1	19.5
9 18	23 19.16	+ 0 43.5	1.864	2.865	2.2	19.4
9 28	23 11.51	− 0 6.6	1.889	2.863	5.8	19.6
10 8	23 5.13	− 0 52.8	1.941	2.861	9.5	19.8
10 18	23 0.61	− 1 30.5	2.016	2.858	12.7	20.1

383085 2005 SP_{82} 9 12.7 332°.96 0°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.07	− 0 33.1	1.193	2.080	18.0	20.6
8 19	23 40.33	− 0 49.7	1.119	2.063	13.8	20.3
8 29	23 34.85	− 1 25.5	1.063	2.048	8.7	20.0
9 8	23 27.36	− 2 16.1	1.029	2.034	3.1	19.6
9 18	23 18.99	− 3 14.0	1.018	2.020	3.0	19.6
9 28	23 11.21	− 4 9.5	1.031	2.008	8.8	19.9
10 8	23 5.39	− 4 53.6	1.066	1.997	14.2	20.1
10 18	23 2.42	− 5 20.2	1.119	1.988	18.8	20.4

399643 2004 RC_3 9 12.7 356°.06 11°.0/26.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.56	+28 40.0	1.819	2.524	19.6	20.1
8 19	23 37.81	+29 15.5	1.737	2.520	17.6	19.9
8 29	23 32.98	+29 19.1	1.670	2.517	15.4	19.8
9 8	23 26.68	+28 47.3	1.621	2.515	13.2	19.6
9 18	23 19.78	+27 39.6	1.593	2.514	11.5	19.5
9 28	23 13.36	+26 0.0	1.588	2.513	11.0	19.5
10 8	23 8.39	+23 57.5	1.606	2.514	11.9	19.6
10 18	23 5.60	+21 43.6	1.647	2.515	13.8	19.7

40300 1999 JT_{93} 9 12.7 354°.37 5°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.83	−10 48.0	1.049	1.962	17.7	17.7
8 19	23 40.28	−12 17.3	0.996	1.957	13.1	17.4
8 29	23 34.80	−13 57.0	0.963	1.953	8.4	17.2
9 8	23 27.30	−15 34.2	0.952	1.951	5.7	17.0
9 18	23 19.13	−16 55.2	0.964	1.949	8.2	17.1
9 28	23 11.85	−17 49.0	0.997	1.949	12.9	17.4
10 8	23 6.81	−18 10.5	1.050	1.949	17.5	17.7
10 18	23 4.78	−18 0.2	1.119	1.951	21.4	17.9

157027 2003 QQ_{95} 9 12.7 57°.33 3°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.05	+ 6 24.2	2.155	2.972	13.6	19.5
8 19	23 42.70	+ 6 47.4	2.086	2.983	10.8	19.3
8 29	23 35.64	+ 6 56.5	2.039	2.995	7.6	19.2
9 8	23 27.47	+ 6 52.4	2.018	3.006	4.5	19.0
9 18	23 18.95	+ 6 37.4	2.024	3.018	3.4	19.0
9 28	23 10.94	+ 6 15.2	2.059	3.030	5.7	19.1
10 8	23 4.20	+ 5 50.6	2.121	3.042	8.7	19.3
10 18	22 59.29	+ 5 27.8	2.207	3.054	11.6	19.6

384390 2009 VL_{77} 9 12.7 295°.50 1°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.88	− 3 0.7	1.493	2.370	15.5	21.3
8 19	23 41.32	− 3 54.6	1.405	2.347	11.7	21.0
8 29	23 35.32	− 5 5.7	1.338	2.324	7.1	20.7
9 8	23 27.50	− 6 28.0	1.295	2.300	2.3	20.3
9 18	23 18.82	− 7 52.7	1.278	2.277	3.7	20.4
9 28	23 10.53	− 9 9.9	1.287	2.254	8.9	20.6
10 8	23 3.84	−10 11.1	1.319	2.231	13.7	20.8
10 18	22 59.63	−10 50.9	1.372	2.208	17.9	21.0

215769 2004 GA_{12} 9 12.7 233°.64 12°.0/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.43	−49 37.3	2.670	3.442	12.4	21.3
8 19	23 50.91	−51 9.0	2.637	3.427	12.1	21.2
8 29	23 40.89	−52 20.5	2.625	3.412	12.1	21.2
9 8	23 29.20	−53 4.5	2.633	3.395	12.7	21.2
9 18	23 17.01	−53 16.8	2.662	3.378	13.5	21.2
9 28	23 5.65	−52 56.3	2.709	3.361	14.5	21.3
10 8	22 56.24	−52 5.6	2.771	3.343	15.5	21.4
10 18	22 49.50	−50 49.4	2.847	3.324	16.4	21.5

116766 2004 EJ_{10} 9 12.7 124°.06 0°.2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.36	− 0 28.4	1.665	2.523	15.1	20.4
8 19	23 43.34	− 1 7.0	1.602	2.532	11.4	20.1
8 29	23 36.20	− 2 0.3	1.561	2.541	7.0	19.9
9 8	23 27.68	− 3 3.1	1.545	2.549	2.3	19.6
9 18	23 18.74	− 4 8.7	1.557	2.558	2.5	19.7
9 28	23 10.48	− 5 9.6	1.595	2.566	7.1	20.0
10 8	23 3.84	− 5 59.4	1.660	2.573	11.2	20.2
10 18	22 59.44	− 6 34.1	1.746	2.580	14.8	20.5

376394 2012 FM_{10} 9 12.7 147°.60 1°.6/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.08	+ 1 51.2	1.611	2.459	16.1	21.4
8 19	23 45.49	+ 1 41.4	1.543	2.465	12.3	21.1
8 29	23 37.59	+ 1 15.6	1.497	2.471	8.0	20.9
9 8	23 28.15	+ 0 37.0	1.475	2.476	3.4	20.6
9 18	23 18.20	− 0 9.1	1.480	2.481	2.6	20.6
9 28	23 8.94	− 0 56.0	1.512	2.485	7.0	20.9
10 8	23 1.41	− 1 36.9	1.569	2.489	11.3	21.2
10 18	22 56.31	− 2 7.2	1.649	2.493	15.0	21.4

513514 2009 SG_{154} 9 12.7 297°.70 0°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.47	− 0 22.3	1.456	2.326	16.3	21.8
8 19	23 41.82	− 0 54.9	1.367	2.304	12.4	21.5
8 29	23 35.66	− 1 45.9	1.300	2.282	7.8	21.2
9 8	23 27.63	− 2 50.9	1.256	2.260	2.6	20.8
9 18	23 18.70	− 4 2.7	1.237	2.238	2.8	20.8
9 28	23 10.19	− 5 12.0	1.244	2.217	8.3	21.1
10 8	23 3.32	− 6 10.2	1.274	2.196	13.3	21.3
10 18	22 59.01	− 6 51.1	1.325	2.175	17.7	21.5

109129 2001 QV_{49} 9 12.7 322°.44 1°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.60	− 0 59.5	1.383	2.253	17.0	19.2
8 19	23 44.13	− 0 54.8	1.308	2.243	13.0	18.9
8 29	23 37.03	− 1 4.6	1.253	2.234	8.3	18.6
9 8	23 28.04	− 1 25.6	1.221	2.225	3.1	18.3
9 18	23 18.29	− 1 52.7	1.214	2.216	2.7	18.2
9 28	23 9.15	− 2 19.5	1.233	2.208	8.0	18.5
10 8	23 1.88	− 2 39.4	1.275	2.200	12.9	18.8
10 18	22 57.33	− 2 47.9	1.337	2.193	17.1	19.0

86796 2000 GY_{107} 9 12.7 119°.39 2°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.41	− 6 53.5	1.722	2.593	14.1	19.9
8 19	23 44.02	− 7 43.2	1.666	2.605	10.4	19.6
8 29	23 36.57	− 8 41.1	1.632	2.617	6.2	19.4
9 8	23 27.80	− 9 40.8	1.624	2.628	2.5	19.2
9 18	23 18.68	−10 35.3	1.644	2.639	4.0	19.4
9 28	23 10.27	−11 18.4	1.691	2.649	8.0	19.6
10 8	23 3.50	−11 45.7	1.763	2.659	11.8	19.9
10 18	22 58.94	−11 55.8	1.857	2.668	14.9	20.1

187820 1999 TP_{253} 9 12.7 25°.00 5°.6/19.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.68	+16 25.2	2.170	2.942	14.9	20.3
8 19	23 38.88	+16 20.3	2.087	2.943	12.5	20.1
8 29	23 33.40	+15 53.1	2.024	2.944	9.8	19.9
9 8	23 26.80	+15 3.8	1.985	2.946	7.2	19.8
9 18	23 19.78	+13 55.3	1.971	2.947	5.7	19.7
9 28	23 13.17	+12 32.7	1.985	2.949	6.5	19.7
10 8	23 7.73	+11 3.7	2.025	2.951	8.8	19.9
10 18	23 4.02	+ 9 35.5	2.091	2.952	11.6	20.1

521550 2015 OH_{102} 9 12.7 44°.35 4°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.08	+10 5.6	2.170	2.974	14.0	21.1
8 19	23 40.61	+10 14.6	2.091	2.976	11.3	21.0
8 29	23 34.44	+10 6.3	2.033	2.979	8.3	20.8
9 8	23 27.13	+ 9 41.5	2.000	2.981	5.4	20.6
9 18	23 19.41	+ 9 2.9	1.994	2.984	4.1	20.5
9 28	23 12.11	+ 8 14.9	2.016	2.986	5.8	20.7
10 8	23 5.99	+ 7 23.3	2.064	2.989	8.7	20.8
10 18	23 1.63	+ 6 33.8	2.137	2.991	11.6	21.0

446268 2013 LD_{32} 9 12.7 166°.68 0°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.34	+ 3 11.1	2.694	3.524	10.8	21.7
8 19	23 38.23	+ 2 19.5	2.614	3.527	8.3	21.5
8 29	23 32.83	+ 1 15.4	2.559	3.530	5.3	21.3
9 8	23 26.59	+ 0 2.1	2.531	3.532	2.2	21.1
9 18	23 20.05	− 1 15.8	2.533	3.534	1.6	21.1
9 28	23 13.85	− 2 33.0	2.565	3.536	4.7	21.3
10 8	23 8.56	− 3 44.4	2.626	3.538	7.7	21.5
10 18	23 4.63	− 4 46.1	2.712	3.539	10.3	21.7

408519 2013 JB_{38} 9 12.7 37°.87 3°.0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.15	− 7 41.2	2.092	2.970	11.7	20.3
8 19	23 37.69	− 9 24.3	2.031	2.976	8.5	20.1
8 29	23 32.63	−11 15.7	1.996	2.982	5.2	19.9
9 8	23 26.54	−13 7.8	1.989	2.988	3.0	19.8
9 18	23 20.11	−14 52.5	2.010	2.995	4.7	19.9
9 28	23 14.13	−16 22.4	2.060	3.002	7.9	20.1
10 8	23 9.32	−17 32.6	2.135	3.009	11.0	20.3
10 18	23 6.18	−18 21.1	2.233	3.016	13.6	20.5

256458 2007 CE_{60} 9 12.7 176°.07 3°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.77	+ 7 20.8	2.352	3.163	12.8	20.3
8 19	23 41.00	+ 7 25.3	2.270	3.164	10.2	20.1
8 29	23 34.63	+ 7 15.2	2.210	3.164	7.2	20.0
9 8	23 27.20	+ 6 52.0	2.176	3.165	4.3	19.8
9 18	23 19.37	+ 6 18.2	2.170	3.165	3.2	19.7
9 28	23 11.92	+ 5 38.0	2.193	3.165	5.3	19.8
10 8	23 5.57	+ 4 56.2	2.243	3.165	8.3	20.0
10 18	23 0.87	+ 4 17.5	2.318	3.165	11.1	20.2

342668 2008 VZ_{14} 9 12.7 311°.17 1°.7/11.2 18

8 9	23 43.85	− 4 32.5	1.482	2.365	15.3	20.2
8 19	23 40.54	− 5 22.8	1.397	2.343	11.5	19.9
8 29	23 34.85	− 6 28.1	1.333	2.320	7.0	19.6
9 8	23 27.38	− 7 42.1	1.294	2.299	2.4	19.2
9 18	23 19.11	− 8 56.3	1.279	2.277	4.0	19.3
9 28	23 11.26	−10 1.4	1.290	2.256	9.0	19.5
10 8	23 5.01	−10 49.6	1.325	2.235	13.7	19.7
10 18	23 1.22	−11 16.6	1.379	2.216	17.8	20.0

389232 2009 EL_{14} 9 12.7 59°.82 1°.3/11.3 18

8 9	23 44.91	− 4 26.6	1.844	2.714	13.4	20.9
8 19	23 40.67	− 5 17.3	1.778	2.717	9.9	20.7
8 29	23 34.54	− 6 18.7	1.735	2.720	5.9	20.4
9 8	23 27.19	− 7 24.9	1.719	2.723	2.0	20.2
9 18	23 19.43	− 8 29.4	1.729	2.726	3.2	20.3
9 28	23 12.22	− 9 25.3	1.767	2.730	7.2	20.5
10 8	23 6.39	−10 7.7	1.830	2.733	11.0	20.8
10 18	23 2.54	−10 33.6	1.916	2.736	14.2	21.0

71025 1999 XZ_{60} 9 12.7 359°.32 8°.1/20.0 18

8 9	23 40.41	+15 51.9	1.294	2.114	20.8	18.3
8 19	23 38.15	+16 20.5	1.225	2.111	17.5	18.1
8 29	23 33.41	+16 17.3	1.172	2.108	13.9	17.9
9 8	23 26.91	+15 40.5	1.139	2.107	10.3	17.7
9 18	23 19.70	+14 32.6	1.127	2.107	8.2	17.5
9 28	23 13.12	+13 1.7	1.138	2.109	9.2	17.6
10 8	23 8.36	+11 19.9	1.172	2.112	12.3	17.8
10 18	23 6.21	+ 9 39.7	1.227	2.116	16.0	18.0

79726 1998 SG_{127} 9 12.7 359°.93 3°.3/10.1 18

8 9	23 42.74	− 6 45.6	1.129	2.033	17.5	18.3
8 19	23 40.02	− 7 51.0	1.074	2.030	12.9	18.1
8 29	23 34.58	− 9 10.4	1.038	2.028	7.8	17.8
9 8	23 27.27	−10 33.9	1.024	2.028	3.5	17.5
9 18	23 19.34	−11 50.1	1.034	2.028	5.7	17.7
9 28	23 12.23	−12 48.2	1.066	2.030	10.7	18.0
10 8	23 7.20	−13 21.7	1.120	2.033	15.5	18.2
10 18	23 4.99	−13 28.8	1.192	2.036	19.5	18.5

2095 Parsifal 9 12.7 10°.14 0°.7/13.3 18

8 9	23 47.54	− 0 19.0	1.759	2.615	14.6	16.9
8 19	23 42.74	− 0 32.9	1.687	2.615	11.0	16.7
8 29	23 35.89	− 1 0.0	1.637	2.615	7.0	16.5
9 8	23 27.64	− 1 36.7	1.612	2.616	2.6	16.2
9 18	23 18.91	− 2 18.1	1.614	2.616	2.3	16.2
9 28	23 10.74	− 2 58.0	1.643	2.616	6.7	16.5
10 8	23 4.06	− 3 31.0	1.698	2.616	10.7	16.7
10 18	22 59.53	− 3 53.0	1.776	2.617	14.2	16.9

514185 2015 MN_{79} 9 12.7 19°.74 2°.6/15.2 18

8 9	23 44.78	+ 5 18.1	1.746	2.586	15.3	21.4
8 19	23 40.71	+ 5 4.7	1.673	2.588	12.0	21.2
8 29	23 34.64	+ 4 33.0	1.623	2.590	8.1	21.0
9 8	23 27.24	+ 3 45.7	1.596	2.592	4.2	20.8
9 18	23 19.36	+ 2 47.5	1.595	2.595	2.9	20.7
9 28	23 12.03	+ 1 45.4	1.622	2.598	6.3	20.9
10 8	23 6.13	+ 0 46.5	1.674	2.601	10.2	21.2
10 18	23 2.32	− 0 3.3	1.749	2.605	13.8	21.4

454018 2012 DO_{61} 9 12.7 148°.70 0°.6/12.1 18

8 9	23 46.76	− 4 41.6	2.406	3.260	11.2	21.5
8 19	23 41.63	− 4 56.2	2.332	3.262	8.3	21.3
8 29	23 34.97	− 5 17.6	2.283	3.264	5.0	21.1
9 8	23 27.31	− 5 42.4	2.262	3.266	1.6	20.8
9 18	23 19.33	− 6 7.1	2.269	3.268	2.2	20.9
9 28	23 11.78	− 6 27.8	2.305	3.270	5.6	21.1
10 8	23 5.35	− 6 41.3	2.368	3.271	8.8	21.3
10 18	23 0.53	− 6 45.6	2.456	3.273	11.5	21.5

462012 2006 XT_{20} 9 12.7 241°.85 3°.5/18.7 16

8 9	23 41.18	+13 53.7	3.798	4.555	9.3	22.4
8 19	23 37.14	+13 56.3	3.694	4.543	7.7	22.3
8 29	23 32.10	+13 47.1	3.612	4.530	6.0	22.1
9 8	23 26.38	+13 26.5	3.556	4.517	4.3	22.0
9 18	23 20.38	+12 55.7	3.529	4.504	3.5	21.9
9 28	23 14.56	+12 17.0	3.531	4.491	4.1	22.0
10 8	23 9.34	+11 33.5	3.562	4.477	5.7	22.1
10 18	23 5.11	+10 48.6	3.620	4.463	7.6	22.2

276466 2003 HY_5 9 12.7 119°.60 4°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.85	−13 24.8	1.818	2.700	13.0	20.0
8 19	23 42.83	−14 50.2	1.769	2.712	9.6	19.8
8 29	23 35.84	−16 18.2	1.743	2.724	6.3	19.7
9 8	23 27.62	−17 40.4	1.745	2.736	4.8	19.6
9 18	23 19.06	−18 49.0	1.773	2.747	6.5	19.7
9 28	23 11.19	−19 37.9	1.828	2.757	9.6	19.9
10 8	23 4.86	−20 4.5	1.907	2.768	12.7	20.2
10 18	23 0.63	−20 8.9	2.007	2.778	15.4	20.4

5181 SURF 9 12.7 166°.92 1°.8/11.0 18 R

8 9	23 49.53	− 6 8.4	1.856	2.721	13.5	17.7
8 19	23 44.10	− 6 53.9	1.789	2.725	10.0	17.5
8 29	23 36.67	− 7 48.2	1.745	2.729	6.0	17.3
9 8	23 27.91	− 8 45.6	1.728	2.731	2.2	17.0
9 18	23 18.72	− 9 39.5	1.738	2.734	3.6	17.1
9 28	23 10.13	−10 23.9	1.777	2.736	7.6	17.4
10 8	23 3.03	−10 54.3	1.841	2.737	11.3	17.6
10 18	22 58.06	−11 8.5	1.928	2.738	14.5	17.8

81288 2000 FP_{63} 9 12.7 42°.25 2°.7/10.0 18

8 9	23 45.31	− 8 11.0	1.719	2.600	13.6	19.1
8 19	23 41.06	− 9 7.7	1.661	2.606	10.0	18.9
8 29	23 34.82	−10 11.9	1.626	2.612	6.1	18.7
9 8	23 27.31	−11 16.9	1.617	2.619	2.9	18.5
9 18	23 19.41	−12 15.3	1.634	2.625	4.5	18.7
9 28	23 12.15	−13 0.7	1.678	2.632	8.3	18.9
10 8	23 6.39	−13 28.8	1.746	2.640	11.9	19.1
10 18	23 2.74	−13 38.3	1.835	2.647	15.1	19.4

92176 1999 XG_{194} 9 12.7 248°.04 0°.1/12.6 18

8 9	23 46.06	− 2 51.8	2.591	3.438	10.7	19.4
8 19	23 41.14	− 3 8.2	2.499	3.425	8.0	19.2
8 29	23 34.71	− 3 32.5	2.433	3.412	5.0	19.0
9 8	23 27.27	− 4 1.8	2.394	3.398	1.6	18.8
9 18	23 19.41	− 4 32.7	2.384	3.384	1.9	18.8
9 28	23 11.85	− 5 1.2	2.403	3.370	5.3	19.0
10 8	23 5.27	− 5 23.9	2.451	3.356	8.4	19.2
10 18	23 0.18	− 5 38.1	2.523	3.341	11.2	19.3

149638 2004 EU_{79} 9 12.7 297°.76 8°.2/ 5.4 18

8 9	23 47.40	−18 50.9	1.387	2.286	15.2	19.7
8 19	23 43.45	−20 28.0	1.319	2.266	11.8	19.5
8 29	23 36.74	−22 6.4	1.272	2.247	9.0	19.3
9 8	23 28.05	−23 33.9	1.249	2.228	8.3	19.2
9 18	23 18.52	−24 39.0	1.250	2.209	10.5	19.3
9 28	23 9.61	−25 13.1	1.274	2.190	14.0	19.4
10 8	23 2.64	−25 13.5	1.318	2.171	17.7	19.6
10 18	22 58.49	−24 42.2	1.379	2.153	21.0	19.8

253364 2003 GO_{27} 9 12.7 241°.00 0°.5/11.7 18

8 9	23 38.60	− 5 23.6	4.514	5.364	6.4	20.9
8 19	23 35.04	− 5 43.2	4.432	5.360	4.7	20.8
8 29	23 30.72	− 6 6.3	4.375	5.356	2.8	20.6
9 8	23 25.93	− 6 31.1	4.348	5.352	0.9	20.5
9 18	23 20.97	− 6 55.6	4.350	5.348	1.4	20.5
9 28	23 16.19	− 7 17.6	4.383	5.344	3.3	20.7
10 8	23 11.91	− 7 35.5	4.444	5.340	5.2	20.8
10 18	23 8.42	− 7 47.8	4.532	5.336	6.9	20.9

95890 2003 HK_9 9 12.7 55°.25 4°.9/16.4 18

8 9	23 51.71	+ 7 51.8	1.417	2.249	18.7	19.0
8 19	23 46.06	+ 8 24.4	1.367	2.271	14.8	18.8
8 29	23 37.96	+ 8 35.0	1.337	2.294	10.6	18.6
9 8	23 28.33	+ 8 24.6	1.329	2.317	6.5	18.4
9 18	23 18.34	+ 7 56.8	1.347	2.340	4.9	18.4
9 28	23 9.30	+ 7 18.1	1.390	2.364	7.5	18.6
10 8	23 2.25	+ 6 36.4	1.458	2.387	11.3	18.9
10 18	22 57.85	+ 5 58.6	1.548	2.411	14.8	19.2

316191 2010 LK_{12} 9 12.7 4°.45 7°.3/ 4.9 18

8 9	23 46.16	−21 52.8	1.842	2.729	12.6	20.3
8 19	23 41.71	−23 13.6	1.792	2.729	9.9	20.1
8 29	23 35.23	−24 29.8	1.765	2.729	7.8	20.0
9 8	23 27.45	−25 32.7	1.763	2.730	7.4	19.9
9 18	23 19.29	−26 15.5	1.787	2.731	8.9	20.0
9 28	23 11.78	−26 33.5	1.835	2.732	11.5	20.2
10 8	23 5.80	−26 26.1	1.905	2.733	14.1	20.4
10 18	23 1.96	−25 55.3	1.994	2.734	16.4	20.6

429514 2011 BC_{28} 9 12.7 218°.48 1°.1/11.6 18

8 9	23 47.86	− 3 34.7	1.820	2.683	13.8	21.8
8 19	23 43.01	− 4 24.0	1.742	2.677	10.3	21.6
8 29	23 36.11	− 5 25.6	1.687	2.670	6.2	21.4
9 8	23 27.77	− 6 34.0	1.658	2.663	2.0	21.1
9 18	23 18.89	− 7 42.3	1.657	2.655	3.1	21.1
9 28	23 10.49	− 8 43.2	1.684	2.647	7.5	21.4
10 8	23 3.52	− 9 30.9	1.736	2.638	11.5	21.6
10 18	22 58.68	−10 1.8	1.810	2.629	14.9	21.8

325588 Bridzius 9 12.7 322°.90 2°.9/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.18	+ 5 51.8	2.037	2.867	13.8	20.3
8 19	23 40.14	+ 5 55.8	1.949	2.856	10.9	20.1
8 29	23 34.30	+ 5 44.3	1.883	2.845	7.6	19.9
9 8	23 27.19	+ 5 18.7	1.842	2.835	4.3	19.7
9 18	23 19.56	+ 4 42.0	1.828	2.825	3.1	19.6
9 28	23 12.30	+ 3 59.0	1.841	2.816	5.9	19.7
10 8	23 6.23	+ 3 15.4	1.880	2.807	9.4	19.9
10 18	23 1.99	+ 2 36.6	1.944	2.798	12.6	20.1

438284 2006 AD_6 9 12.7 168°.75 8°.3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.46	−26 12.3	1.985	2.859	12.4	20.6
8 19	23 44.81	−27 40.7	1.939	2.861	10.2	20.5
8 29	23 37.10	−29 0.9	1.917	2.864	8.6	20.4
9 8	23 28.07	−30 4.2	1.921	2.866	8.5	20.4
9 18	23 18.66	−30 44.0	1.950	2.868	9.9	20.5
9 28	23 9.96	−30 56.7	2.003	2.869	12.1	20.6
10 8	23 2.87	−30 42.7	2.078	2.870	14.3	20.8
10 18	22 57.99	−30 4.7	2.172	2.871	16.4	21.0

316826 1999 XJ_{152} 9 12.7 289°.73 5°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.10	−17 30.3	2.179	3.058	11.2	20.3
8 19	23 41.41	−18 26.2	2.112	3.051	8.5	20.1
8 29	23 34.97	−19 21.5	2.070	3.044	6.0	20.0
9 8	23 27.38	−20 9.8	2.054	3.037	5.0	19.9
9 18	23 19.40	−20 45.3	2.065	3.030	6.4	20.0
9 28	23 11.90	−21 3.9	2.103	3.023	9.0	20.1
10 8	23 5.66	−21 3.7	2.166	3.016	11.8	20.3
10 18	23 1.24	−20 44.9	2.249	3.010	14.2	20.5

260319 2004 TE_{154} 9 12.7 27°.38 1°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.24	+ 4 46.5	1.811	2.656	14.7	20.5
8 19	23 38.72	+ 4 15.2	1.746	2.664	11.3	20.3
8 29	23 33.38	+ 3 26.0	1.702	2.673	7.5	20.1
9 8	23 26.88	+ 2 22.7	1.683	2.682	3.6	19.9
9 18	23 19.99	+ 1 10.8	1.690	2.691	2.4	19.9
9 28	23 13.65	− 0 2.3	1.725	2.701	6.0	20.1
10 8	23 8.66	− 1 9.5	1.786	2.712	9.8	20.4
10 18	23 5.57	− 2 5.3	1.870	2.723	13.1	20.6

511609 2015 BQ_{22} 9 12.7 307°.40 1°.9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.98	+ 2 42.8	1.366	2.228	17.6	21.4
8 19	23 42.97	+ 2 28.4	1.292	2.221	13.6	21.2
8 29	23 36.37	+ 1 53.5	1.238	2.214	8.9	20.9
9 8	23 27.94	+ 1 1.8	1.206	2.208	3.9	20.6
9 18	23 18.76	− 0 0.7	1.200	2.201	2.8	20.5
9 28	23 10.21	− 1 4.9	1.219	2.195	7.8	20.8
10 8	23 3.49	− 2 2.1	1.261	2.190	12.7	21.1
10 18	22 59.44	− 2 45.4	1.324	2.184	17.0	21.3

199167 2005 YH_{182} 9 12.7 105°.73 5°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.57	+14 7.9	1.806	2.597	16.8	20.1
8 19	23 42.77	+14 18.1	1.736	2.607	13.9	19.9
8 29	23 35.93	+14 4.6	1.685	2.617	10.6	19.7
9 8	23 27.72	+13 27.7	1.657	2.627	7.5	19.5
9 18	23 19.05	+12 30.4	1.655	2.637	5.9	19.5
9 28	23 10.96	+11 18.8	1.679	2.646	7.1	19.6
10 8	23 4.39	+10 1.3	1.729	2.655	10.1	19.8
10 18	22 59.96	+ 8 45.9	1.804	2.664	13.2	20.0

396307 2014 DU_{28} 9 12.7 234°.70 2°.7/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.58	− 8 53.4	1.962	2.834	12.6	21.6
8 19	23 42.69	− 9 43.7	1.886	2.826	9.3	21.4
8 29	23 35.86	−10 40.9	1.833	2.817	5.7	21.1
9 8	23 27.71	−11 39.1	1.807	2.808	2.8	20.9
9 18	23 19.06	−12 31.7	1.809	2.799	4.3	21.0
9 28	23 10.87	−13 12.9	1.838	2.789	8.0	21.2
10 8	23 4.03	−13 38.5	1.893	2.780	11.5	21.4
10 18	22 59.19	−13 46.9	1.969	2.769	14.6	21.6

523405 2017 DC_{116} 9 12.7 252°.18 1°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.68	− 6 25.1	2.574	3.435	10.3	22.0
8 19	23 39.45	− 7 28.1	2.482	3.418	7.6	21.8
8 29	23 33.74	− 8 39.2	2.416	3.400	4.6	21.6
9 8	23 27.02	− 9 53.8	2.378	3.381	1.9	21.4
9 18	23 19.85	−11 6.3	2.370	3.362	3.2	21.4
9 28	23 12.95	−12 11.3	2.390	3.342	6.3	21.6
10 8	23 6.98	−13 4.4	2.438	3.323	9.4	21.8
10 18	23 2.47	−13 42.7	2.510	3.302	12.0	21.9

426066 2012 BR_{125} 9 12.7 174°.65 2°.7/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.30	+ 5 3.0	1.739	2.569	15.8	22.0
8 19	23 45.64	+ 4 57.6	1.663	2.572	12.4	21.8
8 29	23 37.76	+ 4 34.4	1.609	2.574	8.4	21.6
9 8	23 28.35	+ 3 55.6	1.580	2.576	4.3	21.3
9 18	23 18.39	+ 3 5.6	1.577	2.576	3.0	21.3
9 28	23 9.01	+ 2 10.8	1.603	2.577	6.7	21.5
10 8	23 1.23	+ 1 18.5	1.655	2.576	10.7	21.7
10 18	22 55.76	+ 0 34.4	1.730	2.575	14.4	22.0

392446 2010 TV_{185} 9 12.7 260°.74 0°.1/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 36.75	− 1 37.4	4.584	5.425	6.5	21.2
8 19	23 33.71	− 2 16.8	4.497	5.419	4.8	21.0
8 29	23 29.95	− 3 1.6	4.435	5.413	3.0	20.9
9 8	23 25.72	− 3 49.9	4.403	5.407	0.9	20.7
9 18	23 21.33	− 4 39.2	4.401	5.401	1.1	20.7
9 28	23 17.10	− 5 27.0	4.429	5.395	3.1	20.9
10 8	23 13.34	− 6 10.9	4.487	5.389	5.0	21.0
10 18	23 10.31	− 6 49.1	4.571	5.383	6.7	21.2

128083 2003 OJ_{26} 9 12.7 49°.36 3°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.39	− 6 56.7	1.513	2.399	14.9	19.2
8 19	23 40.60	− 8 22.0	1.461	2.409	10.8	19.0
8 29	23 34.66	− 9 57.9	1.431	2.419	6.5	18.8
9 8	23 27.33	−11 35.2	1.427	2.429	3.2	18.6
9 18	23 19.60	−13 4.2	1.449	2.440	5.1	18.8
9 28	23 12.59	−14 16.2	1.497	2.451	9.2	19.0
10 8	23 7.24	−15 5.8	1.569	2.462	13.1	19.3
10 18	23 4.16	−15 31.5	1.661	2.473	16.4	19.5

126660 2002 CB_{206} 9 12.7 50°.73 0°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.77	− 2 52.8	1.882	2.747	13.4	19.6
8 19	23 40.45	− 3 31.8	1.827	2.762	9.9	19.5
8 29	23 34.38	− 4 21.4	1.795	2.778	6.0	19.3
9 8	23 27.22	− 5 16.5	1.789	2.794	1.8	19.0
9 18	23 19.76	− 6 11.3	1.810	2.810	2.5	19.1
9 28	23 12.92	− 6 59.8	1.859	2.826	6.5	19.4
10 8	23 7.44	− 7 37.4	1.933	2.843	10.1	19.7
10 18	23 3.86	− 8 1.1	2.030	2.859	13.2	19.9

507989 2015 BK_{169} 9 12.7 128°.90 0°.5/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.91	− 2 54.1	1.501	2.369	16.0	22.0
8 19	23 44.82	− 3 20.9	1.436	2.372	11.9	21.8
8 29	23 37.34	− 4 0.9	1.393	2.375	7.3	21.5
9 8	23 28.24	− 4 48.7	1.374	2.378	2.3	21.2
9 18	23 18.61	− 5 37.6	1.381	2.381	3.0	21.3
9 28	23 9.71	− 6 20.3	1.415	2.384	7.9	21.6
10 8	23 2.61	− 6 50.8	1.473	2.387	12.4	21.9
10 18	22 58.02	− 7 6.0	1.552	2.389	16.1	22.1

126584 2002 CV_{125} 9 12.7 87°.84 1°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.16	+ 2 20.2	2.345	3.178	12.2	20.2
8 19	23 41.14	+ 1 57.5	2.287	3.201	9.2	20.0
8 29	23 34.66	+ 1 23.1	2.253	3.224	5.9	19.9
9 8	23 27.29	+ 0 40.2	2.246	3.247	2.5	19.7
9 18	23 19.70	− 0 7.4	2.268	3.269	1.8	19.7
9 28	23 12.64	− 0 54.7	2.318	3.291	5.0	19.9
10 8	23 6.73	− 1 37.3	2.397	3.312	8.1	20.2
10 18	23 2.44	− 2 11.9	2.500	3.334	10.8	20.4

168209 2006 JP_{30} 9 12.7 336°.22 7°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.18	−16 3.5	1.050	1.961	17.8	19.6
8 19	23 43.78	−17 11.1	0.993	1.950	13.6	19.3
8 29	23 37.17	−18 21.0	0.955	1.939	9.5	19.1
9 8	23 28.28	−19 20.5	0.938	1.930	7.6	18.9
9 18	23 18.57	−19 57.9	0.943	1.921	9.8	19.0
9 28	23 9.79	−20 4.8	0.969	1.913	14.1	19.2
10 8	23 3.44	−19 39.2	1.014	1.907	18.6	19.5
10 18	23 0.40	−18 44.2	1.076	1.902	22.5	19.7

144478 2004 ER_{56} 9 12.7 261°.82 0°.8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.08	+ 2 9.5	1.791	2.638	14.7	20.8
8 19	23 42.69	+ 1 23.1	1.692	2.615	11.3	20.5
8 29	23 36.12	+ 0 17.5	1.616	2.592	7.3	20.2
9 8	23 27.91	− 1 3.3	1.565	2.568	2.8	19.9
9 18	23 18.91	− 2 33.0	1.542	2.543	2.3	19.8
9 28	23 10.20	− 4 2.8	1.546	2.518	7.1	20.1
10 8	23 2.85	− 5 24.1	1.577	2.492	11.6	20.3
10 18	22 57.66	− 6 30.3	1.630	2.466	15.6	20.5

198293 2004 TW_{307} 9 12.7 283°.49 2°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.35	+ 3 6.9	1.702	2.547	15.5	20.1
8 19	23 43.62	+ 3 11.9	1.617	2.535	12.1	19.9
8 29	23 36.65	+ 3 1.1	1.553	2.524	8.1	19.6
9 8	23 28.06	+ 2 36.3	1.513	2.512	3.9	19.4
9 18	23 18.77	+ 2 1.4	1.500	2.500	2.9	19.3
9 28	23 9.93	+ 1 22.1	1.513	2.489	6.8	19.5
10 8	23 2.60	+ 0 44.8	1.552	2.477	11.1	19.7
10 18	22 57.54	+ 0 15.1	1.614	2.465	14.9	19.9

138036 2000 DM_{17} 9 12.7 310°.55 1°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.73	+ 1 15.5	1.300	2.171	17.7	20.1
8 19	23 42.43	+ 1 10.0	1.209	2.144	13.8	19.8
8 29	23 36.34	+ 0 45.1	1.137	2.117	9.1	19.4
9 8	23 28.07	+ 0 3.1	1.088	2.090	3.8	19.0
9 18	23 18.68	− 0 50.3	1.062	2.064	2.9	18.9
9 28	23 9.64	− 1 46.5	1.061	2.039	8.6	19.2
10 8	23 2.39	− 2 36.1	1.082	2.014	14.1	19.4
10 18	22 58.00	− 3 11.8	1.123	1.989	18.9	19.6

316107 2009 PM_3 9 12.7 59°.67 4°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.71	+10 8.9	2.111	2.916	14.3	20.5
8 19	23 41.13	+10 19.7	2.039	2.924	11.5	20.3
8 29	23 34.83	+10 12.9	1.987	2.932	8.5	20.1
9 8	23 27.40	+ 9 49.3	1.960	2.941	5.5	20.0
9 18	23 19.58	+ 9 11.7	1.960	2.949	4.2	19.9
9 28	23 12.24	+ 8 24.7	1.987	2.958	5.9	20.0
10 8	23 6.13	+ 7 34.2	2.042	2.967	8.8	20.2
10 18	23 1.83	+ 6 45.9	2.120	2.975	11.7	20.4

383102 2005 SJ_{165} 9 12.7 344°.76 1°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.12	− 5 18.9	1.063	1.966	18.3	19.9
8 19	23 40.64	− 5 38.0	0.997	1.953	13.8	19.6
8 29	23 35.21	− 6 11.4	0.951	1.941	8.4	19.3
9 8	23 27.66	− 6 52.5	0.925	1.930	2.8	19.0
9 18	23 19.25	− 7 32.6	0.921	1.921	4.2	19.0
9 28	23 11.59	− 8 2.6	0.940	1.914	10.1	19.3
10 8	23 6.10	− 8 15.4	0.979	1.908	15.4	19.6
10 18	23 3.67	− 8 7.8	1.036	1.904	20.0	19.9

38838 2000 SB_{31} 9 12.7 242°.04 1°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.75	− 5 36.9	1.534	2.406	15.5	19.9
8 19	23 45.60	− 6 12.5	1.457	2.396	11.6	19.6
8 29	23 37.94	− 6 59.6	1.402	2.387	7.0	19.3
9 8	23 28.50	− 7 52.0	1.372	2.376	2.5	19.0
9 18	23 18.34	− 8 42.3	1.368	2.366	3.9	19.1
9 28	23 8.77	− 9 23.2	1.391	2.355	8.7	19.4
10 8	23 0.95	− 9 48.9	1.438	2.344	13.2	19.6
10 18	22 55.71	− 9 56.7	1.506	2.332	17.1	19.8

173799 2001 SF_{202} 9 12.7 342°.67 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.60	− 2 22.6	1.759	2.624	14.1	20.0
8 19	23 41.38	− 2 45.6	1.686	2.621	10.6	19.8
8 29	23 35.15	− 3 20.5	1.635	2.617	6.5	19.6
9 8	23 27.55	− 4 3.1	1.610	2.614	2.1	19.3
9 18	23 19.46	− 4 47.8	1.610	2.611	2.5	19.3
9 28	23 11.89	− 5 28.4	1.638	2.609	6.9	19.6
10 8	23 5.76	− 5 59.7	1.692	2.607	10.9	19.8
10 18	23 1.71	− 6 18.0	1.767	2.605	14.4	20.0

94275 2001 DN_{34} 9 12.7 84°.53 0°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.16	− 0 10.0	3.106	3.941	9.4	19.6
8 19	23 38.68	− 0 21.8	3.037	3.954	7.1	19.4
8 29	23 33.09	− 0 41.0	2.994	3.967	4.5	19.3
9 8	23 26.81	− 1 5.6	2.978	3.980	1.7	19.1
9 18	23 20.33	− 1 32.8	2.992	3.993	1.4	19.1
9 28	23 14.18	− 1 59.6	3.036	4.006	4.1	19.3
10 8	23 8.85	− 2 23.1	3.108	4.019	6.6	19.5
10 18	23 4.72	− 2 41.0	3.205	4.032	8.9	19.7

41653 2000 SC_{294} 9 12.7 345°.33 0°.2/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.38	− 3 54.8	1.054	1.947	19.3	17.5
8 19	23 45.40	− 3 34.7	0.990	1.938	14.7	17.2
8 29	23 38.19	− 3 27.2	0.944	1.930	9.2	16.9
9 8	23 28.66	− 3 28.5	0.918	1.923	3.1	16.5
9 18	23 18.23	− 3 33.3	0.916	1.918	3.3	16.5
9 28	23 8.66	− 3 34.8	0.936	1.914	9.5	16.9
10 8	23 1.47	− 3 27.6	0.978	1.910	15.1	17.2
10 18	22 57.62	− 3 8.0	1.038	1.908	19.8	17.5

517934 2015 TD_{240} 9 12.7 358°.45 7°.5/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.90	+19 28.5	1.992	2.749	16.6	21.0
8 19	23 40.07	+19 54.5	1.910	2.748	14.2	20.8
8 29	23 34.34	+19 56.2	1.847	2.747	11.6	20.6
9 8	23 27.30	+19 32.3	1.805	2.747	9.2	20.5
9 18	23 19.73	+18 43.8	1.787	2.747	7.7	20.4
9 28	23 12.58	+17 35.2	1.794	2.747	8.0	20.4
10 8	23 6.73	+16 14.0	1.828	2.748	10.0	20.5
10 18	23 2.83	+14 48.5	1.885	2.749	12.5	20.7

19913 Aigyptios 9 12.7 234°.07 0°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 37.78	− 6 15.6	4.457	5.311	6.4	18.6
8 19	23 34.49	− 6 47.9	4.377	5.308	4.7	18.4
8 29	23 30.46	− 7 23.7	4.323	5.305	2.8	18.3
9 8	23 25.95	− 8 1.0	4.298	5.302	1.0	18.1
9 18	23 21.27	− 8 37.3	4.303	5.298	1.6	18.2
9 28	23 16.76	− 9 10.4	4.338	5.295	3.5	18.3
10 8	23 12.76	− 9 38.2	4.401	5.291	5.4	18.5
10 18	23 9.53	− 9 59.3	4.490	5.288	7.0	18.6

9228 Nakahiroshi 9 12.7 112°.16 1°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.17	− 8 9.2	2.235	3.102	11.5	17.0
8 19	23 41.36	− 8 41.8	2.167	3.104	8.4	16.8
8 29	23 34.92	− 9 19.9	2.123	3.106	5.1	16.6
9 8	23 27.44	− 9 58.7	2.106	3.108	2.2	16.4
9 18	23 19.62	−10 33.8	2.117	3.110	3.3	16.5
9 28	23 12.27	−11 0.5	2.156	3.112	6.6	16.7
10 8	23 6.11	−11 15.9	2.222	3.114	9.8	16.9
10 18	23 1.66	−11 18.3	2.311	3.116	12.5	17.1

382398 1994 SU_8 9 12.7 333°.31 0°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.92	− 3 5.0	1.191	2.081	17.8	21.0
8 19	23 41.80	− 3 21.3	1.119	2.066	13.4	20.7
8 29	23 35.87	− 3 53.4	1.066	2.052	8.3	20.4
9 8	23 27.90	− 4 36.2	1.034	2.039	2.7	20.0
9 18	23 19.06	− 5 22.0	1.026	2.027	3.4	20.0
9 28	23 10.85	− 6 1.9	1.042	2.017	9.2	20.3
10 8	23 4.64	− 6 28.3	1.079	2.007	14.5	20.6
10 18	23 1.34	− 6 36.7	1.135	1.998	19.0	20.8

366345 1997 SW_{13} 9 12.7 0°.17 3°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.83	+10 41.2	2.089	2.898	14.3	21.0
8 19	23 38.34	+10 28.2	2.008	2.897	11.5	20.8
8 29	23 33.18	+ 9 55.6	1.948	2.896	8.4	20.6
9 8	23 26.90	+ 9 4.9	1.913	2.896	5.4	20.5
9 18	23 20.21	+ 7 59.8	1.904	2.896	3.9	20.4
9 28	23 13.92	+ 6 46.1	1.923	2.897	5.7	20.5
10 8	23 8.78	+ 5 30.7	1.969	2.898	8.8	20.7
10 18	23 5.37	+ 4 20.3	2.039	2.899	11.9	20.9

453480 2009 SU_{242} 9 12.7 354°.83 4°.2/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.01	+ 3 12.9	1.150	2.032	18.9	18.8
8 19	23 38.12	+ 4 5.7	1.081	2.017	14.9	18.5
8 29	23 33.59	+ 4 40.6	1.030	2.005	10.4	18.2
9 8	23 27.15	+ 4 57.5	0.999	1.996	5.9	18.0
9 18	23 19.90	+ 4 58.5	0.990	1.989	4.5	17.9
9 28	23 13.27	+ 4 48.8	1.004	1.985	8.3	18.1
10 8	23 8.57	+ 4 35.7	1.039	1.984	13.0	18.3
10 18	23 6.64	+ 4 26.0	1.093	1.985	17.3	18.6

137437 1999 TG_{229} 9 12.7 29°.67 3°.4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.83	+ 6 8.4	1.000	1.876	21.5	19.4
8 19	23 40.95	+ 5 54.3	0.956	1.889	16.7	19.2
8 29	23 35.20	+ 5 10.9	0.929	1.905	11.3	18.9
9 8	23 27.60	+ 4 3.2	0.923	1.921	5.8	18.7
9 18	23 19.52	+ 2 40.3	0.938	1.939	3.8	18.7
9 28	23 12.50	+ 1 14.7	0.976	1.958	8.4	19.0
10 8	23 7.76	− 0 1.5	1.036	1.978	13.4	19.3
10 18	23 5.97	− 1 0.1	1.116	1.998	17.8	19.7

16095 1999 TA_{249} 9 12.7 219°.15 0°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.52	− 0 47.0	1.596	2.460	15.4	18.5
8 19	23 42.28	− 1 44.3	1.523	2.457	11.5	18.3
8 29	23 35.81	− 2 58.7	1.472	2.454	7.1	18.0
9 8	23 27.80	− 4 24.0	1.445	2.450	2.2	17.7
9 18	23 19.21	− 5 52.1	1.446	2.446	2.9	17.7
9 28	23 11.19	− 7 13.6	1.474	2.442	7.7	18.0
10 8	23 4.75	− 8 20.8	1.526	2.438	12.1	18.3
10 18	23 0.62	− 9 9.0	1.600	2.434	15.9	18.5

444306 2005 VX_{80} 9 12.7 342°.94 4°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.61	+10 37.5	2.048	2.856	14.6	20.9
8 19	23 39.71	+10 35.1	1.966	2.853	11.8	20.7
8 29	23 34.05	+10 13.4	1.904	2.851	8.7	20.5
9 8	23 27.20	+ 9 33.4	1.867	2.849	5.6	20.3
9 18	23 19.88	+ 8 38.3	1.856	2.847	4.2	20.2
9 28	23 12.97	+ 7 33.5	1.873	2.845	6.0	20.3
10 8	23 7.26	+ 6 25.8	1.916	2.844	9.1	20.5
10 18	23 3.37	+ 5 21.8	1.983	2.843	12.2	20.7

485314 2011 BY_7 9 12.7 287°.39 2°.7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.55	− 9 31.2	2.261	3.135	11.1	22.0
8 19	23 39.53	−10 27.2	2.180	3.121	8.2	21.8
8 29	23 33.89	−11 29.1	2.124	3.108	5.1	21.6
9 8	23 27.14	−12 31.7	2.095	3.095	2.8	21.4
9 18	23 19.95	−13 29.2	2.094	3.081	4.2	21.5
9 28	23 13.11	−14 16.0	2.120	3.068	7.3	21.7
10 8	23 7.36	−14 48.4	2.173	3.055	10.5	21.9
10 18	23 3.26	−15 4.4	2.248	3.042	13.2	22.0

148465 2001 AG_{52} 9 12.7 139°.76 9°.6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.98	−41 12.2	2.813	3.627	10.9	19.8
8 19	23 47.00	−42 17.4	2.789	3.637	9.9	19.8
8 29	23 38.25	−43 6.7	2.787	3.646	9.6	19.8
9 8	23 28.49	−43 34.6	2.810	3.655	9.8	19.8
9 18	23 18.56	−43 37.8	2.855	3.664	10.6	19.9
9 28	23 9.40	−43 15.6	2.923	3.672	11.7	20.0
10 8	23 1.76	−42 30.0	3.011	3.680	12.8	20.1
10 18	22 56.14	−41 24.5	3.117	3.687	13.8	20.2

236469 2006 FF_8 9 12.7 156°.27 0°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.33	+ 0 49.6	1.845	2.696	14.2	21.2
8 19	23 41.82	+ 0 16.9	1.772	2.698	10.7	21.0
8 29	23 35.37	− 0 30.4	1.722	2.700	6.8	20.7
9 8	23 27.63	− 1 28.3	1.698	2.701	2.5	20.5
9 18	23 19.44	− 2 31.0	1.701	2.702	2.2	20.5
9 28	23 11.77	− 3 31.7	1.731	2.704	6.4	20.7
10 8	23 5.50	− 4 24.2	1.788	2.705	10.4	21.0
10 18	23 1.24	− 5 4.0	1.868	2.706	13.8	21.2

329085 2011 BD_{50} 9 12.7 91°.56 3°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.09	−13 50.7	2.515	3.392	10.0	20.5
8 19	23 38.95	−14 54.8	2.454	3.395	7.4	20.3
8 29	23 33.40	−16 0.6	2.418	3.398	4.9	20.2
9 8	23 26.96	−17 2.8	2.410	3.400	3.6	20.1
9 18	23 20.22	−17 56.1	2.430	3.403	4.9	20.2
9 28	23 13.88	−18 36.2	2.477	3.406	7.4	20.4
10 8	23 8.57	−19 0.6	2.551	3.409	9.9	20.5
10 18	23 4.75	−19 8.6	2.646	3.412	12.2	20.7

454441 2014 OK_{26} 9 12.8 13°.03 2°.7/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.65	+ 4 28.5	1.765	2.609	15.1	20.9
8 19	23 40.63	+ 4 36.1	1.697	2.612	11.8	20.6
8 29	23 34.67	+ 4 27.4	1.650	2.617	8.0	20.4
9 8	23 27.42	+ 4 4.7	1.627	2.622	4.2	20.2
9 18	23 19.73	+ 3 31.6	1.630	2.629	3.0	20.2
9 28	23 12.59	+ 2 53.5	1.659	2.635	6.2	20.4
10 8	23 6.86	+ 2 16.5	1.714	2.643	9.9	20.6
10 18	23 3.17	+ 1 45.7	1.792	2.651	13.3	20.9

473355 2015 TF_{244} 9 12.8 347°.77 1°.9/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.83	− 6 9.9	1.710	2.591	13.7	20.6
8 19	23 39.39	− 6 56.4	1.640	2.585	10.1	20.4
8 29	23 33.97	− 7 52.7	1.592	2.579	6.1	20.1
9 8	23 27.21	− 8 53.1	1.570	2.574	2.3	19.9
9 18	23 19.96	− 9 50.4	1.573	2.569	3.8	20.0
9 28	23 13.22	−10 37.9	1.603	2.566	7.9	20.2
10 8	23 7.90	−11 10.4	1.657	2.563	11.8	20.5
10 18	23 4.64	−11 25.3	1.733	2.560	15.2	20.7

178796 Posztoczky 9 12.8 185°.32 1°.2/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.76	− 5 6.9	1.852	2.711	13.8	21.5
8 19	23 45.88	− 5 36.7	1.779	2.712	10.3	21.3
8 29	23 37.89	− 6 15.7	1.729	2.711	6.2	21.0
9 8	23 28.48	− 6 59.0	1.706	2.710	2.1	20.8
9 18	23 18.58	− 7 40.9	1.711	2.709	3.1	20.8
9 28	23 9.25	− 8 15.6	1.743	2.706	7.3	21.1
10 8	23 1.45	− 8 38.7	1.802	2.704	11.2	21.3
10 18	22 55.85	− 8 47.8	1.884	2.700	14.6	21.6

287181 2002 RT_{270} 9 12.8 339°.94 0°.7/13.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.89	+ 0 13.3	1.510	2.379	15.8	20.9
8 19	23 40.47	− 0 9.3	1.435	2.370	12.1	20.7
8 29	23 34.78	− 0 48.4	1.381	2.362	7.6	20.4
9 8	23 27.52	− 1 40.1	1.351	2.355	2.8	20.1
9 18	23 19.64	− 2 37.8	1.346	2.348	2.5	20.1
9 28	23 12.30	− 3 33.8	1.367	2.343	7.4	20.4
10 8	23 6.55	− 4 20.7	1.412	2.337	11.9	20.6
10 18	23 3.13	− 4 53.4	1.479	2.333	15.9	20.9

147231 2002 XV_{47} 9 12.8 350°.32 4°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.98	+ 5 40.9	1.222	2.081	19.4	19.1
8 19	23 43.26	+ 6 13.3	1.153	2.076	15.5	18.8
8 29	23 36.75	+ 6 24.0	1.103	2.071	10.9	18.6
9 8	23 28.22	+ 6 13.3	1.073	2.067	6.3	18.3
9 18	23 18.87	+ 5 44.5	1.067	2.064	4.7	18.2
9 28	23 10.21	+ 5 4.5	1.084	2.062	8.3	18.4
10 8	23 3.58	+ 4 22.5	1.124	2.061	13.0	18.7
10 18	22 59.87	+ 3 46.4	1.183	2.061	17.4	19.0

511261 2014 CQ_4 9 12.8 50°.01 3°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.85	− 8 24.6	1.643	2.529	13.9	20.9
8 19	23 40.19	−10 8.9	1.584	2.532	10.2	20.7
8 29	23 34.47	−12 3.1	1.550	2.536	6.3	20.5
9 8	23 27.39	−13 57.5	1.541	2.540	3.8	20.3
9 18	23 19.86	−15 42.0	1.559	2.544	5.8	20.5
9 28	23 12.92	−17 7.4	1.604	2.548	9.6	20.7
10 8	23 7.50	−18 8.3	1.673	2.552	13.2	20.9
10 18	23 4.23	−18 43.3	1.763	2.556	16.3	21.1

140561 2001 TL_{207} 9 12.8 272°.29 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.77	− 2 9.7	1.998	2.855	13.0	20.7
8 19	23 41.30	− 2 39.4	1.924	2.854	9.7	20.5
8 29	23 35.03	− 3 20.2	1.873	2.853	6.0	20.3
9 8	23 27.56	− 4 7.9	1.848	2.852	1.9	20.0
9 18	23 19.66	− 4 57.4	1.851	2.851	2.3	20.1
9 28	23 12.23	− 5 43.0	1.881	2.850	6.3	20.3
10 8	23 6.09	− 6 19.6	1.938	2.849	10.0	20.6
10 18	23 1.80	− 6 44.1	2.018	2.848	13.2	20.8

365789 2011 AQ_{20} 9 12.8 304°.21 6°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.86	−18 23.5	2.047	2.935	11.5	20.4
8 19	23 39.32	−20 5.2	1.973	2.915	8.9	20.2
8 29	23 33.93	−21 48.4	1.924	2.895	6.7	20.0
9 8	23 27.23	−23 24.5	1.901	2.875	6.3	20.0
9 18	23 19.98	−24 45.3	1.905	2.855	8.1	20.0
9 28	23 13.09	−25 44.1	1.935	2.835	10.8	20.2
10 8	23 7.43	−26 17.7	1.988	2.816	13.6	20.3
10 18	23 3.64	−26 25.9	2.060	2.797	16.1	20.5

229160 2004 TW_{42} 9 12.8 114°.71 1°.6/14.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.98	+ 3 5.8	1.851	2.691	14.6	21.0
8 19	23 42.98	+ 2 43.4	1.786	2.702	11.2	20.8
8 29	23 36.06	+ 2 5.2	1.742	2.713	7.3	20.6
9 8	23 27.89	+ 1 14.9	1.724	2.724	3.2	20.4
9 18	23 19.34	+ 0 17.4	1.733	2.734	2.3	20.3
9 28	23 11.38	− 0 40.5	1.770	2.744	6.1	20.6
10 8	23 4.87	− 1 32.8	1.834	2.754	9.9	20.9
10 18	23 0.41	− 2 14.6	1.921	2.763	13.3	21.1

170192 2003 OH_5 9 12.8 49°.40 2°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.84	+ 2 19.2	1.154	2.024	19.6	19.4
8 19	23 45.20	+ 2 16.9	1.105	2.037	15.0	19.2
8 29	23 37.75	+ 1 53.5	1.074	2.052	9.8	19.0
9 8	23 28.48	+ 1 13.4	1.065	2.067	4.3	18.7
9 18	23 18.73	+ 0 23.4	1.080	2.082	3.1	18.7
9 28	23 10.02	− 0 27.4	1.119	2.097	8.2	19.0
10 8	23 3.57	− 1 10.5	1.182	2.113	13.1	19.4
10 18	23 0.05	− 1 40.1	1.264	2.130	17.3	19.7

415793 2001 BT_2 9 12.8 184°.89 9°.7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.81	−29 32.1	2.022	2.887	12.5	21.4
8 19	23 46.06	−31 44.1	1.979	2.888	10.7	21.3
8 29	23 38.07	−33 45.8	1.962	2.888	9.7	21.2
9 8	23 28.58	−35 26.9	1.971	2.887	10.1	21.2
9 18	23 18.56	−36 39.4	2.005	2.885	11.6	21.3
9 28	23 9.17	−37 19.2	2.062	2.882	13.6	21.5
10 8	23 1.42	−37 26.9	2.140	2.878	15.6	21.6
10 18	22 56.00	−37 5.9	2.234	2.874	17.3	21.8

2880 Nihondaira 9 12.8 44°.21 4°.7/ 9.9 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.33	−11 30.7	1.024	1.926	19.0	15.1
8 19	23 47.21	−12 10.1	0.987	1.941	14.0	14.9
8 29	23 38.98	−12 54.2	0.969	1.957	8.8	14.7
9 8	23 28.86	−13 33.0	0.973	1.974	4.9	14.5
9 18	23 18.42	−13 57.5	1.000	1.991	6.7	14.7
9 28	23 9.33	−14 1.3	1.050	2.009	11.5	15.0
10 8	23 2.85	−13 42.9	1.121	2.028	16.0	15.4
10 18	22 59.59	−13 3.9	1.210	2.047	19.8	15.7

404026 2012 CW_{34} 9 12.8 80°.98 2°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.94	+ 4 12.8	2.277	3.102	12.7	20.5
8 19	23 41.92	+ 4 17.5	2.205	3.111	9.9	20.3
8 29	23 35.29	+ 4 9.6	2.157	3.120	6.7	20.1
9 8	23 27.64	+ 3 50.9	2.134	3.129	3.5	20.0
9 18	23 19.64	+ 3 24.2	2.140	3.138	2.5	19.9
9 28	23 12.10	+ 2 53.7	2.174	3.147	5.2	20.1
10 8	23 5.73	+ 2 23.8	2.236	3.156	8.4	20.3
10 18	23 1.05	+ 1 58.4	2.322	3.165	11.2	20.5

446949 2003 LL_7 9 12.8 305°.21 0°.6/13.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.22	+ 0 11.6	2.032	2.884	13.0	22.5
8 19	23 40.18	− 0 15.1	1.950	2.876	9.9	22.3
8 29	23 34.38	− 0 54.8	1.891	2.868	6.2	22.1
9 8	23 27.38	− 1 43.9	1.857	2.861	2.3	21.8
9 18	23 19.89	− 2 37.6	1.851	2.853	2.0	21.8
9 28	23 12.81	− 3 30.0	1.873	2.846	6.0	22.0
10 8	23 6.92	− 4 15.6	1.921	2.838	9.8	22.2
10 18	23 2.85	− 4 50.2	1.993	2.831	13.0	22.4

222233 2000 GA_{128} 9 12.8 169°.35 0°.1/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.15	− 1 38.4	1.858	2.710	14.1	21.4
8 19	23 44.66	− 2 4.1	1.786	2.714	10.6	21.2
8 29	23 37.14	− 2 41.8	1.737	2.716	6.5	21.0
9 8	23 28.27	− 3 27.3	1.715	2.719	2.2	20.7
9 18	23 18.94	− 4 15.2	1.720	2.721	2.3	20.7
9 28	23 10.17	− 4 59.4	1.753	2.722	6.7	21.0
10 8	23 2.89	− 5 34.7	1.812	2.723	10.6	21.2
10 18	22 57.72	− 5 57.6	1.895	2.723	14.0	21.5

315051 2007 CW_{60} 9 12.8 135°.80 6°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.70	−21 50.5	2.492	3.368	10.1	20.5
8 19	23 40.23	−23 29.2	2.445	3.376	7.9	20.3
8 29	23 34.25	−25 4.2	2.425	3.383	6.4	20.3
9 8	23 27.30	−26 28.5	2.432	3.390	6.2	20.3
9 18	23 20.04	−27 36.1	2.467	3.397	7.5	20.4
9 28	23 13.22	−28 23.2	2.528	3.403	9.5	20.5
10 8	23 7.52	−28 48.2	2.612	3.410	11.6	20.7
10 18	23 3.43	−28 52.0	2.717	3.416	13.4	20.8

279053 2008 VC_{75} 9 12.8 3°.45 0°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.89	+ 0 41.3	1.173	2.062	18.0	19.9
8 19	23 37.12	− 0 31.0	1.114	2.061	13.5	19.6
8 29	23 32.88	− 2 7.3	1.074	2.061	8.3	19.3
9 8	23 26.95	− 3 59.3	1.057	2.062	2.6	19.0
9 18	23 20.42	− 5 54.8	1.064	2.065	3.3	19.0
9 28	23 14.61	− 7 40.4	1.094	2.069	8.9	19.4
10 8	23 10.65	− 9 5.2	1.147	2.074	13.9	19.7
10 18	23 9.24	−10 3.5	1.220	2.080	18.1	20.0

216437 2009 DW_{117} 9 12.8 107°.84 0°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.93	+ 0 35.5	1.968	2.815	13.6	21.0
8 19	23 42.15	+ 0 16.4	1.897	2.820	10.3	20.8
8 29	23 35.55	− 0 15.4	1.850	2.825	6.5	20.6
9 8	23 27.76	− 0 56.6	1.828	2.830	2.5	20.3
9 18	23 19.56	− 1 42.5	1.834	2.835	2.0	20.3
9 28	23 11.88	− 2 27.4	1.867	2.840	6.0	20.6
10 8	23 5.53	− 3 6.1	1.928	2.845	9.7	20.8
10 18	23 1.10	− 3 34.8	2.012	2.849	12.9	21.1

186303 2002 CV_{124} 9 12.8 154°.49 0°.5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.14	− 2 25.2	2.482	3.333	11.0	20.9
8 19	23 39.75	− 3 12.9	2.410	3.338	8.2	20.7
8 29	23 33.93	− 4 10.0	2.362	3.343	4.9	20.5
9 8	23 27.20	− 5 12.3	2.342	3.347	1.5	20.3
9 18	23 20.16	− 6 15.0	2.351	3.351	2.1	20.3
9 28	23 13.51	− 7 13.1	2.390	3.354	5.5	20.6
10 8	23 7.87	− 8 2.2	2.456	3.358	8.6	20.8
10 18	23 3.73	− 8 39.3	2.546	3.361	11.2	21.0

341030 2007 GC_{19} 9 12.8 26°.67 1°.1/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.89	+ 0 51.0	1.157	2.038	18.8	20.3
8 19	23 41.46	+ 0 33.1	1.111	2.052	14.2	20.1
8 29	23 35.43	− 0 4.5	1.085	2.067	9.0	19.9
9 8	23 27.75	− 0 56.2	1.080	2.083	3.4	19.6
9 18	23 19.65	− 1 54.0	1.098	2.101	2.7	19.6
9 28	23 12.51	− 2 48.5	1.141	2.119	8.0	20.0
10 8	23 7.43	− 3 31.8	1.206	2.139	12.8	20.3
10 18	23 5.04	− 3 59.0	1.292	2.159	16.9	20.6

495380 2014 OY_{364} 9 12.8 92°.17 2°.9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.53	−10 41.6	2.376	3.248	10.7	21.0
8 19	23 40.04	−11 40.0	2.321	3.261	7.8	20.8
8 29	23 34.10	−12 41.9	2.291	3.274	4.9	20.7
9 8	23 27.25	−13 42.0	2.289	3.287	2.9	20.6
9 18	23 20.16	−14 34.9	2.315	3.300	4.2	20.7
9 28	23 13.54	−15 16.3	2.370	3.312	7.0	20.9
10 8	23 8.03	−15 43.3	2.450	3.325	9.7	21.1
10 18	23 4.09	−15 54.9	2.554	3.337	12.1	21.3

429905 2012 TA_{108} 9 12.8 29°.63 8°.4/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.16	−23 11.6	1.270	2.156	17.1	20.2
8 19	23 51.15	−23 29.8	1.231	2.168	13.4	20.0
8 29	23 41.21	−23 37.1	1.212	2.181	10.0	19.9
9 8	23 29.57	−23 24.8	1.216	2.195	8.4	19.8
9 18	23 17.77	−22 47.7	1.244	2.209	9.7	19.9
9 28	23 7.38	−21 45.2	1.296	2.224	12.8	20.2
10 8	22 59.58	−20 20.8	1.371	2.240	16.1	20.4
10 18	22 54.93	−18 40.2	1.465	2.257	19.1	20.7

105640 2000 SP_{15} 9 12.8 232°.82 4°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.52	+ 8 16.8	1.573	2.400	17.4	20.1
8 19	23 44.74	+ 8 21.5	1.490	2.393	13.9	19.9
8 29	23 37.50	+ 8 4.1	1.428	2.385	10.0	19.6
9 8	23 28.50	+ 7 25.4	1.388	2.377	6.0	19.4
9 18	23 18.73	+ 6 29.2	1.374	2.369	4.3	19.2
9 28	23 9.46	+ 5 22.5	1.386	2.361	7.4	19.4
10 8	23 1.86	+ 4 14.2	1.424	2.352	11.6	19.6
10 18	22 56.76	+ 3 12.5	1.483	2.343	15.5	19.9

142648 2002 TC_{191} 9 12.8 268°.92 5°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.63	+10 45.6	2.016	2.815	15.1	19.6
8 19	23 43.61	+11 16.7	1.927	2.807	12.3	19.4
8 29	23 36.60	+11 30.2	1.859	2.799	9.3	19.2
9 8	23 28.16	+11 25.7	1.815	2.791	6.4	19.0
9 18	23 19.10	+11 4.5	1.798	2.783	5.1	18.9
9 28	23 10.41	+10 30.3	1.808	2.775	6.7	19.0
10 8	23 3.01	+ 9 49.1	1.844	2.766	9.8	19.2
10 18	22 57.60	+ 9 6.9	1.904	2.758	12.9	19.4

151717 2003 BR_{49} 9 12.8 266°.90 1°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.44	− 4 57.9	1.649	2.520	14.6	20.6
8 19	23 43.81	− 5 35.7	1.568	2.506	11.0	20.4
8 29	23 36.87	− 6 25.3	1.508	2.493	6.7	20.1
9 8	23 28.28	− 7 21.0	1.474	2.479	2.3	19.8
9 18	23 19.01	− 8 15.9	1.467	2.465	3.5	19.8
9 28	23 10.21	− 9 2.6	1.486	2.451	8.2	20.1
10 8	23 2.97	− 9 35.3	1.530	2.437	12.5	20.3
10 18	22 58.07	− 9 50.8	1.595	2.422	16.3	20.5

461137 2015 TH_{102} 9 12.8 290°.21 5°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.27	+16 33.9	2.344	3.110	14.1	21.3
8 19	23 38.72	+16 20.2	2.236	3.088	11.9	21.1
8 29	23 33.53	+15 44.4	2.148	3.067	9.3	20.9
9 8	23 27.16	+14 46.4	2.083	3.045	6.8	20.7
9 18	23 20.24	+13 28.3	2.045	3.023	5.4	20.6
9 28	23 13.57	+11 55.0	2.035	3.001	6.2	20.6
10 8	23 7.90	+10 13.9	2.053	2.979	8.7	20.7
10 18	23 3.86	+ 8 32.8	2.096	2.957	11.6	20.9

150631 2001 AK_{48} 9 12.8 95°.40 1°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.98	− 5 44.1	2.213	3.077	11.7	20.1
8 19	23 40.52	− 6 25.8	2.147	3.083	8.6	19.9
8 29	23 34.48	− 7 15.0	2.105	3.088	5.2	19.7
9 8	23 27.42	− 8 7.1	2.089	3.093	1.8	19.5
9 18	23 20.04	− 8 57.0	2.102	3.099	2.9	19.6
9 28	23 13.11	− 9 39.5	2.143	3.104	6.3	19.8
10 8	23 7.35	−10 10.8	2.211	3.109	9.6	20.0
10 18	23 3.26	−10 28.7	2.302	3.114	12.4	20.2

316135 2009 SX_{65} 9 12.8 329°.18 0°.6/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.49	− 5 22.4	3.959	4.813	7.2	21.2
8 19	23 35.16	− 5 50.4	3.877	4.808	5.3	21.1
8 29	23 30.97	− 6 22.7	3.821	4.803	3.2	20.9
9 8	23 26.24	− 6 57.0	3.794	4.798	1.1	20.8
9 18	23 21.31	− 7 30.7	3.796	4.794	1.6	20.8
9 28	23 16.58	− 8 1.5	3.828	4.790	3.8	21.0
10 8	23 12.42	− 8 27.0	3.889	4.785	5.9	21.1
10 18	23 9.14	− 8 45.5	3.974	4.781	7.7	21.2

397073 2005 UT_{179} 9 12.8 24°.65 3°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.95	+ 7 49.1	1.445	2.292	17.6	19.6
8 19	23 38.91	+ 7 30.0	1.392	2.307	13.9	19.4
8 29	23 33.74	+ 6 47.1	1.358	2.324	9.6	19.2
9 8	23 27.21	+ 5 44.1	1.347	2.341	5.4	19.0
9 18	23 20.31	+ 4 27.5	1.361	2.360	3.6	19.0
9 28	23 14.12	+ 3 6.2	1.400	2.379	6.7	19.2
10 8	23 9.58	+ 1 49.6	1.464	2.400	10.7	19.5
10 18	23 7.25	+ 0 44.7	1.550	2.421	14.4	19.8

47505 2000 AB_{57} 9 12.8 350°.50 3°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.32	−10 16.0	1.665	2.551	13.7	18.8
8 19	23 41.32	−11 23.2	1.603	2.549	10.1	18.6
8 29	23 35.22	−12 37.1	1.563	2.548	6.4	18.4
9 8	23 27.72	−13 50.0	1.548	2.547	3.8	18.2
9 18	23 19.74	−14 53.8	1.559	2.546	5.5	18.3
9 28	23 12.35	−15 41.4	1.597	2.545	9.2	18.6
10 8	23 6.50	−16 8.6	1.658	2.544	12.9	18.8
10 18	23 2.83	−16 14.4	1.740	2.544	16.1	19.0

246082 2006 XT_{16} 9 12.8 41°.22 6°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.97	−19 22.6	1.907	2.793	12.3	19.7
8 19	23 41.54	−20 40.4	1.859	2.799	9.4	19.5
8 29	23 35.21	−21 55.6	1.834	2.805	7.1	19.4
9 8	23 27.69	−23 0.2	1.835	2.810	6.4	19.4
9 18	23 19.82	−23 47.2	1.862	2.817	7.9	19.5
9 28	23 12.58	−24 12.4	1.915	2.823	10.4	19.6
10 8	23 6.79	−24 14.3	1.990	2.829	13.1	19.8
10 18	23 3.02	−23 54.2	2.085	2.836	15.5	20.0

99045 2001 EQ_{8} 9 12.8 111°.15 1°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.38	− 5 20.3	1.904	2.770	13.2	20.0
8 19	23 42.52	− 6 5.9	1.842	2.779	9.7	19.8
8 29	23 35.81	− 7 0.4	1.805	2.788	5.8	19.6
9 8	23 27.90	− 7 58.3	1.793	2.797	2.1	19.3
9 18	23 19.64	− 8 53.6	1.809	2.806	3.2	19.4
9 28	23 11.96	− 9 40.1	1.853	2.814	7.1	19.7
10 8	23 5.69	−10 13.6	1.922	2.823	10.7	19.9
10 18	23 1.39	−10 31.6	2.015	2.831	13.8	20.2

422185 2014 RY_{26} 9 12.8 30°.16 5°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.57	+17 14.1	2.390	3.148	14.1	20.2
8 19	23 39.55	+17 22.9	2.305	3.149	11.9	20.0
8 29	23 33.96	+17 11.6	2.241	3.151	9.5	19.9
9 8	23 27.31	+16 40.1	2.199	3.152	7.2	19.7
9 18	23 20.25	+15 50.0	2.184	3.153	5.8	19.7
9 28	23 13.55	+14 45.6	2.196	3.154	6.4	19.7
10 8	23 7.91	+13 32.9	2.235	3.155	8.4	19.8
10 18	23 3.88	+12 18.3	2.299	3.157	10.8	20.0

117142 2004 PK_{89} 9 12.8 338°.53 5°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.20	+12 52.9	1.835	2.640	16.1	19.0
8 19	23 38.97	+12 53.5	1.749	2.632	13.3	18.8
8 29	23 33.81	+12 30.9	1.684	2.624	10.0	18.6
9 8	23 27.31	+11 45.7	1.641	2.617	6.9	18.4
9 18	23 20.24	+10 40.7	1.624	2.611	5.2	18.3
9 28	23 13.57	+ 9 22.2	1.632	2.605	6.7	18.3
10 8	23 8.21	+ 7 58.5	1.667	2.599	9.9	18.5
10 18	23 4.82	+ 6 37.7	1.725	2.594	13.2	18.7

478559 2012 TH_{56} 9 12.8 319°.12 5°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.82	+14 20.7	1.779	2.574	16.9	21.0
8 19	23 40.96	+14 19.7	1.698	2.572	14.0	20.8
8 29	23 35.05	+13 53.7	1.636	2.571	10.7	20.6
9 8	23 27.71	+13 2.9	1.597	2.569	7.5	20.4
9 18	23 19.81	+11 50.5	1.583	2.567	5.8	20.3
9 28	23 12.38	+10 23.2	1.595	2.566	7.1	20.4
10 8	23 6.37	+ 8 50.1	1.634	2.564	10.2	20.6
10 18	23 2.47	+ 7 20.3	1.696	2.563	13.5	20.8

391950 2008 WE_3 9 12.8 345°.56 0°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.07	− 2 37.1	1.246	2.132	17.4	20.2
8 19	23 41.81	− 2 44.6	1.177	2.122	13.2	20.0
8 29	23 35.87	− 3 6.9	1.127	2.113	8.2	19.7
9 8	23 28.04	− 3 39.5	1.100	2.105	2.7	19.3
9 18	23 19.45	− 4 15.7	1.096	2.098	3.0	19.3
9 28	23 11.53	− 4 47.7	1.117	2.092	8.5	19.6
10 8	23 5.54	− 5 8.8	1.159	2.088	13.6	19.9
10 18	23 2.30	− 5 14.6	1.222	2.085	17.9	20.2

366008 2012 BQ_{109} 9 12.8 100°.47 3°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.08	−11 24.1	2.313	3.188	10.8	21.1
8 19	23 39.83	−12 31.2	2.254	3.195	7.9	20.9
8 29	23 34.06	−13 41.9	2.220	3.202	5.0	20.8
9 8	23 27.33	−14 50.4	2.213	3.209	3.3	20.7
9 18	23 20.29	−15 50.9	2.235	3.216	4.6	20.8
9 28	23 13.71	−16 38.4	2.284	3.223	7.4	21.0
10 8	23 8.25	−17 10.0	2.360	3.230	10.2	21.2
10 18	23 4.39	−17 24.5	2.457	3.236	12.7	21.4

45618 2000 DO_{72} 9 12.8 318°.81 0°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.95	− 4 14.0	2.208	3.064	12.0	18.9
8 19	23 42.09	− 4 21.9	2.128	3.058	9.0	18.7
8 29	23 35.53	− 4 37.3	2.072	3.052	5.5	18.5
9 8	23 27.84	− 4 57.1	2.042	3.047	1.8	18.2
9 18	23 19.73	− 5 17.5	2.041	3.041	2.2	18.2
9 28	23 12.02	− 5 34.5	2.068	3.036	5.9	18.5
10 8	23 5.49	− 5 44.6	2.122	3.031	9.4	18.7
10 18	23 0.70	− 5 45.5	2.200	3.026	12.4	18.9

290307 2005 SA_{182} 9 12.8 71°.87 3°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.81	+ 9 5.6	2.086	2.900	14.1	20.5
8 19	23 39.82	+ 8 43.6	2.011	2.906	11.2	20.3
8 29	23 34.16	+ 8 3.0	1.958	2.912	8.0	20.1
9 8	23 27.39	+ 7 5.8	1.930	2.918	4.7	20.0
9 18	23 20.24	+ 5 56.3	1.929	2.925	3.3	19.9
9 28	23 13.54	+ 4 40.7	1.956	2.931	5.6	20.0
10 8	23 8.05	+ 3 26.0	2.010	2.937	8.8	20.3
10 18	23 4.30	+ 2 18.1	2.089	2.944	11.9	20.5

423333 2005 GW_{44} 9 12.8 255°.85 0°.4/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.57	− 2 44.4	1.543	2.409	15.8	22.0
8 19	23 45.59	− 3 7.2	1.462	2.396	11.9	21.7
8 29	23 38.09	− 3 43.6	1.402	2.384	7.4	21.5
9 8	23 28.78	− 4 28.9	1.366	2.371	2.4	21.1
9 18	23 18.69	− 5 16.8	1.357	2.357	2.9	21.1
9 28	23 9.12	− 5 59.9	1.374	2.344	8.0	21.4
10 8	23 1.24	− 6 31.8	1.416	2.330	12.7	21.6
10 18	22 55.91	− 6 48.4	1.479	2.316	16.8	21.9

71782 2000 SC_{160} 9 12.8 143°.58 5°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.06	+ 8 33.4	1.707	2.504	17.4	19.8
8 19	23 53.89	+ 9 42.7	1.633	2.514	14.1	19.6
8 29	23 43.06	+10 35.3	1.581	2.523	10.4	19.4
9 8	23 30.38	+11 9.1	1.554	2.532	7.0	19.2
9 18	23 17.03	+11 23.9	1.555	2.540	5.8	19.1
9 28	23 4.38	+11 22.6	1.585	2.547	8.0	19.3
10 8	22 53.66	+11 11.0	1.641	2.553	11.4	19.5
10 18	22 45.69	+10 55.5	1.722	2.559	14.8	19.7

521466 2015 OA_{92} 9 12.8 9°.27 2°.6/10.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.57	− 8 26.0	1.640	2.521	14.2	21.1
8 19	23 42.25	− 9 4.1	1.578	2.522	10.5	20.9
8 29	23 35.81	− 9 49.3	1.538	2.524	6.4	20.6
9 8	23 27.96	−10 35.4	1.523	2.525	2.9	20.4
9 18	23 19.67	−11 15.9	1.534	2.528	4.3	20.5
9 28	23 12.01	−11 44.5	1.571	2.530	8.3	20.8
10 8	23 5.93	−11 57.5	1.633	2.534	12.2	21.0
10 18	23 2.08	−11 53.3	1.716	2.537	15.5	21.2

149848 2005 QX_3 9 12.8 346°.68 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.47	− 0 25.7	1.104	1.998	18.5	19.3
8 19	23 38.60	− 1 9.0	1.038	1.988	14.0	19.0
8 29	23 34.01	− 2 15.0	0.991	1.978	8.7	18.7
9 8	23 27.47	− 3 37.0	0.965	1.970	2.9	18.3
9 18	23 20.15	− 5 4.6	0.962	1.964	3.3	18.3
9 28	23 13.52	− 6 25.6	0.982	1.958	9.2	18.6
10 8	23 8.87	− 7 29.4	1.023	1.955	14.6	18.9
10 18	23 7.04	− 8 9.5	1.082	1.952	19.2	19.2

485260 2010 VR_{196} 9 12.8 323°.59 8°.0/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.98	+20 31.9	2.097	2.841	16.2	21.2
8 19	23 40.95	+21 10.7	2.008	2.833	14.1	21.0
8 29	23 35.02	+21 26.6	1.937	2.826	11.7	20.8
9 8	23 27.74	+21 17.5	1.887	2.820	9.5	20.7
9 18	23 19.86	+20 43.5	1.862	2.813	8.1	20.6
9 28	23 12.31	+19 48.1	1.862	2.807	8.4	20.6
10 8	23 5.99	+18 37.5	1.888	2.801	10.1	20.7
10 18	23 1.59	+17 19.8	1.937	2.796	12.5	20.8

283198 2010 CK_{184} 9 12.8 63°.62 4°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.47	−12 9.4	1.603	2.491	14.0	20.0
8 19	23 42.08	−13 39.2	1.562	2.509	10.3	19.8
8 29	23 35.61	−15 12.6	1.544	2.527	6.7	19.7
9 8	23 27.87	−16 40.2	1.551	2.545	4.8	19.6
9 18	23 19.83	−17 53.3	1.585	2.563	6.6	19.7
9 28	23 12.56	−18 45.4	1.645	2.582	9.9	20.0
10 8	23 6.96	−19 13.6	1.728	2.600	13.2	20.2
10 18	23 3.56	−19 18.2	1.831	2.618	16.0	20.5

379276 2009 UL_{114} 9 12.8 294°.56 0°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.92	− 3 40.7	1.479	2.354	15.8	21.4
8 19	23 43.75	− 4 8.5	1.395	2.335	11.9	21.1
8 29	23 37.04	− 4 50.1	1.332	2.317	7.4	20.8
9 8	23 28.47	− 5 40.4	1.294	2.298	2.4	20.4
9 18	23 19.06	− 6 32.3	1.280	2.280	3.3	20.5
9 28	23 10.10	− 7 17.9	1.292	2.262	8.5	20.7
10 8	23 2.83	− 7 50.4	1.329	2.244	13.3	20.9
10 18	22 58.12	− 8 5.8	1.385	2.227	17.5	21.2

215958 2005 NN_{56} 9 12.8 29°.18 1°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.28	− 5 0.2	1.851	2.721	13.3	20.7
8 19	23 41.08	− 5 44.2	1.785	2.724	9.8	20.5
8 29	23 35.00	− 6 38.0	1.743	2.727	5.9	20.3
9 8	23 27.70	− 7 36.1	1.725	2.730	2.0	20.0
9 18	23 19.99	− 8 32.3	1.736	2.733	3.2	20.1
9 28	23 12.81	− 9 20.2	1.773	2.737	7.2	20.4
10 8	23 7.01	− 9 55.0	1.836	2.740	10.9	20.6
10 18	23 3.16	−10 14.2	1.921	2.744	14.1	20.8

516110 2015 UY_{17} 9 12.8 220°.97 5°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.48	−20 53.9	2.427	3.297	10.6	21.7
8 19	23 43.83	−21 36.2	2.363	3.294	8.2	21.5
8 29	23 36.53	−22 14.8	2.325	3.290	6.1	21.4
9 8	23 28.17	−22 44.1	2.313	3.286	5.4	21.3
9 18	23 19.49	−22 59.6	2.328	3.283	6.5	21.4
9 28	23 11.32	−22 58.3	2.371	3.279	8.8	21.5
10 8	23 4.38	−22 39.3	2.439	3.275	11.1	21.7
10 18	22 59.20	−22 3.8	2.529	3.270	13.3	21.9

470557 2008 FF_{23} 9 12.8 108°.05 2°.7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.29	− 7 19.2	1.562	2.439	15.0	21.6
8 19	23 44.31	− 8 16.7	1.505	2.448	11.0	21.4
8 29	23 37.08	− 9 23.3	1.472	2.457	6.7	21.2
9 8	23 28.39	−10 31.5	1.463	2.466	2.9	21.0
9 18	23 19.28	−11 33.1	1.481	2.475	4.5	21.1
9 28	23 10.93	−12 21.0	1.526	2.483	8.7	21.4
10 8	23 4.31	−12 50.5	1.594	2.491	12.7	21.6
10 18	23 0.07	−13 0.2	1.684	2.499	16.1	21.9

10210 Nathues 9 12.8 72°.49 1°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.28	+ 3 29.4	1.548	2.400	16.4	17.2
8 19	23 42.11	+ 2 50.3	1.486	2.410	12.5	17.0
8 29	23 35.75	+ 1 51.6	1.445	2.420	8.1	16.8
9 8	23 27.96	+ 0 37.9	1.428	2.430	3.4	16.5
9 18	23 19.73	− 0 43.3	1.438	2.439	2.4	16.5
9 28	23 12.17	− 2 3.3	1.474	2.449	6.9	16.8
10 8	23 6.26	− 3 13.8	1.535	2.459	11.2	17.1
10 18	23 2.64	− 4 9.0	1.619	2.469	14.9	17.3

220993 2005 ND_{49} 9 12.8 354°.65 4°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.59	−11 35.3	1.141	2.043	17.5	19.1
8 19	23 44.60	−12 3.4	1.084	2.038	13.1	18.8
8 29	23 37.64	−12 36.8	1.046	2.034	8.2	18.5
9 8	23 28.65	−13 6.7	1.031	2.032	4.5	18.3
9 18	23 19.00	−13 25.0	1.038	2.030	6.4	18.4
9 28	23 10.26	−13 25.0	1.068	2.029	11.1	18.7
10 8	23 3.79	−13 3.7	1.120	2.030	15.7	18.9
10 18	23 0.35	−12 22.0	1.190	2.031	19.8	19.2

252831 2002 GJ_{111} 9 12.8 60°.48 3°.4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.79	−12 16.5	2.044	2.921	12.0	19.9
8 19	23 41.94	−13 2.3	1.993	2.934	8.8	19.7
8 29	23 35.40	−13 50.3	1.965	2.948	5.6	19.6
9 8	23 27.80	−14 34.9	1.965	2.961	3.5	19.5
9 18	23 19.94	−15 10.7	1.991	2.975	4.8	19.6
9 28	23 12.68	−15 33.3	2.045	2.989	7.8	19.8
10 8	23 6.77	−15 40.4	2.124	3.003	10.8	20.0
10 18	23 2.70	−15 31.7	2.226	3.017	13.4	20.2

175019 2004 FN_{24} 9 12.8 86°.19 3°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.52	+ 7 37.1	2.037	2.847	14.5	20.2
8 19	23 44.81	+ 8 3.5	1.968	2.860	11.6	20.1
8 29	23 37.23	+ 8 14.3	1.921	2.872	8.3	19.9
9 8	23 28.43	+ 8 10.1	1.900	2.885	5.2	19.7
9 18	23 19.24	+ 7 53.0	1.905	2.897	3.9	19.7
9 28	23 10.60	+ 7 27.1	1.939	2.910	6.0	19.8
10 8	23 3.33	+ 6 57.7	2.000	2.922	9.2	20.0
10 18	22 58.05	+ 6 29.8	2.085	2.934	12.1	20.3

404479 2013 HL_4 9 12.8 120°.38 3°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.25	−13 46.3	2.515	3.388	10.1	21.4
8 19	23 40.57	−14 54.7	2.462	3.401	7.5	21.3
8 29	23 34.47	−16 4.4	2.435	3.413	5.0	21.1
9 8	23 27.49	−17 9.8	2.435	3.426	3.7	21.1
9 18	23 20.26	−18 5.8	2.465	3.438	4.9	21.2
9 28	23 13.49	−18 48.1	2.522	3.449	7.4	21.3
10 8	23 7.79	−19 14.4	2.605	3.461	9.9	21.5
10 18	23 3.62	−19 24.2	2.711	3.472	12.0	21.7

146005 2000 CE_{56} 9 12.8 271°.95 0°.5/13.3 18

8 9	23 49.05	− 0 18.0	1.634	2.492	15.4	20.4
8 19	23 44.43	− 0 38.5	1.543	2.472	11.8	20.1
8 29	23 37.41	− 1 14.4	1.473	2.452	7.5	19.8
9 8	23 28.61	− 2 2.3	1.428	2.431	2.7	19.5
9 18	23 18.96	− 2 56.5	1.409	2.411	2.5	19.4
9 28	23 9.69	− 3 49.6	1.417	2.390	7.5	19.7
10 8	23 1.94	− 4 34.4	1.450	2.368	12.2	19.9
10 18	22 56.59	− 5 5.7	1.505	2.347	16.3	20.1

304544 2006 UP_{285} 9 12.8 284°.66 5°.1/18.5 18

8 9	23 43.83	+13 45.9	2.052	2.842	15.1	21.0
8 19	23 40.05	+13 40.7	1.960	2.832	12.5	20.8
8 29	23 34.45	+13 13.5	1.889	2.823	9.5	20.6
9 8	23 27.56	+12 24.6	1.841	2.813	6.6	20.4
9 18	23 20.14	+11 16.9	1.819	2.803	5.1	20.3
9 28	23 13.06	+ 9 55.9	1.824	2.794	6.4	20.3
10 8	23 7.18	+ 8 29.3	1.856	2.784	9.3	20.5
10 18	23 3.13	+ 7 5.0	1.913	2.775	12.4	20.7

514736 2007 BV_{68} 9 12.8 200°.50 0°.7/11.9 18

8 9	23 44.35	− 3 30.1	2.582	3.434	10.6	22.1
8 19	23 39.96	− 4 15.6	2.502	3.431	7.8	21.9
8 29	23 34.15	− 5 9.7	2.447	3.428	4.8	21.7
9 8	23 27.42	− 6 8.5	2.420	3.425	1.5	21.5
9 18	23 20.34	− 7 7.2	2.422	3.421	2.2	21.5
9 28	23 13.59	− 8 1.2	2.454	3.416	5.5	21.8
10 8	23 7.80	− 8 46.2	2.513	3.412	8.5	22.0
10 18	23 3.45	− 9 19.5	2.596	3.407	11.2	22.1

310684 2002 GW_{86} 9 12.8 160°.67 3°.1/ 8.5 18

8 9	23 45.42	−13 8.8	2.796	3.664	9.4	21.3
8 19	23 40.60	−14 4.7	2.733	3.669	6.9	21.1
8 29	23 34.47	−15 2.3	2.695	3.674	4.5	21.0
9 8	23 27.51	−15 57.0	2.686	3.679	3.1	20.9
9 18	23 20.28	−16 44.2	2.707	3.684	4.3	21.0
9 28	23 13.42	−17 20.2	2.756	3.688	6.6	21.1
10 8	23 7.53	−17 42.6	2.832	3.691	9.0	21.3
10 18	23 3.03	−17 50.8	2.931	3.694	11.2	21.5

445856 2012 HD_{56} 9 12.8 235°.57 1°.3/14.6 18

8 9	23 44.05	+ 3 23.7	2.819	3.642	10.6	22.3
8 19	23 39.69	+ 2 58.6	2.722	3.630	8.2	22.1
8 29	23 33.99	+ 2 22.0	2.650	3.617	5.4	21.9
9 8	23 27.38	+ 1 36.2	2.605	3.604	2.5	21.7
9 18	23 20.38	+ 0 44.4	2.589	3.590	1.7	21.7
9 28	23 13.63	− 0 9.1	2.603	3.576	4.5	21.8
10 8	23 7.72	− 1 0.1	2.646	3.561	7.5	22.0
10 18	23 3.14	− 1 44.7	2.714	3.547	10.1	22.2

91522 1999 RJ_{185} 9 12.8 232°.37 4°.8/ 9.4 18

8 9	23 57.82	−17 19.2	1.872	2.738	13.4	18.4
8 19	23 50.47	−17 33.0	1.801	2.733	10.2	18.2
8 29	23 40.82	−17 43.8	1.754	2.728	6.9	18.0
9 8	23 29.65	−17 45.8	1.733	2.723	4.9	17.9
9 18	23 18.02	−17 34.0	1.740	2.718	6.1	18.0
9 28	23 7.11	−17 5.7	1.776	2.712	9.3	18.1
10 8	22 57.96	−16 20.7	1.837	2.707	12.7	18.3
10 18	22 51.26	−15 20.9	1.921	2.701	15.6	18.5

274188 2008 GL_{125} 9 12.8 47°.77 1°.8/11.6 16

8 9	23 51.87	− 6 53.9	1.332	2.213	16.8	20.7
8 19	23 46.52	− 7 9.6	1.279	2.223	12.5	20.5
8 29	23 38.56	− 7 34.3	1.247	2.232	7.6	20.3
9 8	23 28.92	− 8 1.6	1.238	2.243	2.7	20.0
9 18	23 18.84	− 8 25.1	1.255	2.253	3.9	20.1
9 28	23 9.70	− 8 38.6	1.297	2.264	8.8	20.4
10 8	23 2.64	− 8 38.4	1.363	2.275	13.3	20.7
10 18	22 58.33	− 8 22.9	1.449	2.287	17.0	21.0

55364 2001 ST_{180} 9 12.8 267°.07 0°.9/11.9 18

8 9	23 46.66	− 4 10.9	1.976	2.839	12.9	19.6
8 19	23 42.09	− 4 41.9	1.899	2.833	9.6	19.4
8 29	23 35.67	− 5 22.6	1.845	2.828	5.9	19.2
9 8	23 27.97	− 6 8.6	1.817	2.822	1.9	18.9
9 18	23 19.80	− 6 54.6	1.817	2.816	2.7	18.9
9 28	23 12.08	− 7 34.8	1.845	2.811	6.7	19.2
10 8	23 5.65	− 8 4.7	1.898	2.805	10.4	19.4
10 18	23 1.14	− 8 21.3	1.975	2.799	13.7	19.6

179774 2002 SR_{40} 9 12.8 358°.93 4°.1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.02	− 9 24.6	1.078	1.985	17.8	19.0
8 19	23 42.02	−10 15.6	1.024	1.981	13.2	18.7
8 29	23 36.10	−11 16.5	0.989	1.979	8.2	18.4
9 8	23 28.19	−12 17.4	0.976	1.978	4.3	18.2
9 18	23 19.61	−13 7.7	0.985	1.978	6.4	18.3
9 28	23 11.93	−13 38.3	1.017	1.979	11.3	18.6
10 8	23 6.46	−13 44.5	1.069	1.982	16.1	18.9
10 18	23 3.98	−13 25.7	1.139	1.985	20.1	19.2

190264 2007 NE_2 9 12.8 326°.19 2°.5/17.8 17

8 9	23 37.98	+10 46.0	4.027	4.808	8.4	19.2
8 19	23 34.85	+10 32.5	3.932	4.802	6.8	19.1
8 29	23 30.87	+10 8.5	3.860	4.796	5.0	19.0
9 8	23 26.34	+ 9 35.2	3.814	4.790	3.3	18.8
9 18	23 21.59	+ 8 54.2	3.797	4.785	2.5	18.8
9 28	23 17.03	+ 8 8.0	3.810	4.779	3.4	18.8
10 8	23 13.01	+ 7 19.7	3.852	4.774	5.1	19.0
10 18	23 9.85	+ 6 32.3	3.920	4.769	6.9	19.1

131579 2001 VA_{120} 9 12.8 246°.74 2°.4/11.0 17

8 9	23 51.12	− 6 48.3	1.458	2.335	15.9	20.5
8 19	23 46.11	− 7 30.0	1.383	2.325	11.8	20.3
8 29	23 38.48	− 8 22.8	1.331	2.316	7.2	20.0
9 8	23 28.99	− 9 19.7	1.302	2.306	2.9	19.7
9 18	23 18.74	−10 12.5	1.300	2.296	4.5	19.8
9 28	23 9.11	−10 53.4	1.323	2.285	9.3	20.0
10 8	23 1.32	−11 16.7	1.370	2.274	13.9	20.3
10 18	22 56.20	−11 20.2	1.438	2.263	17.8	20.5

257946 2000 YJ_{15} 9 12.8 196°.02 4°.6/23.2 18

8 9	23 40.01	+23 30.3	4.702	5.377	8.6	20.2
8 19	23 36.28	+23 48.0	4.605	5.376	7.6	20.1
8 29	23 31.72	+23 53.8	4.529	5.375	6.4	20.0
9 8	23 26.62	+23 47.4	4.477	5.374	5.4	19.9
9 18	23 21.30	+23 29.3	4.451	5.373	4.7	19.9
9 28	23 16.14	+23 0.8	4.453	5.372	4.7	19.9
10 8	23 11.49	+22 24.4	4.482	5.371	5.3	19.9
10 18	23 7.66	+21 42.6	4.538	5.370	6.4	20.0

271686 2004 RS_{92} 9 12.8 17°.65 2°.9/15.4 16

8 9	23 41.03	+ 6 50.8	1.179	2.045	19.5	19.8
8 19	23 38.75	+ 6 14.7	1.123	2.051	15.3	19.6
8 29	23 33.94	+ 5 9.9	1.085	2.058	10.3	19.3
9 8	23 27.46	+ 3 41.5	1.069	2.067	5.2	19.1
9 18	23 20.43	+ 1 58.7	1.076	2.077	3.3	19.0
9 28	23 14.18	+ 0 13.9	1.107	2.088	7.7	19.3
10 8	23 9.84	− 1 20.7	1.161	2.100	12.6	19.6
10 18	23 8.08	− 2 36.5	1.236	2.113	16.8	19.9

183008 2002 PG_{79} 9 12.8 351°.65 4°.2/10.2 17

8 9	23 48.77	−10 56.3	1.139	2.039	17.6	19.2
8 19	23 44.78	−11 27.7	1.080	2.034	13.1	19.0
8 29	23 37.80	−12 5.3	1.042	2.030	8.2	18.7
9 8	23 28.77	−12 40.8	1.025	2.026	4.4	18.5
9 18	23 19.04	−13 5.2	1.031	2.024	6.2	18.6
9 28	23 10.21	−13 11.5	1.061	2.022	11.1	18.8
10 8	23 3.63	−12 56.3	1.111	2.022	15.8	19.1
10 18	23 0.13	−12 19.9	1.180	2.022	19.9	19.4

175143 2005 EG_{15} 9 12.8 159°.80 0°.1/12.8 18

8 9	23 55.27	− 3 37.5	1.584	2.442	15.8	20.1
8 19	23 48.87	− 3 36.1	1.515	2.445	11.9	19.9
8 29	23 39.99	− 3 44.8	1.468	2.448	7.4	19.6
9 8	23 29.44	− 3 59.9	1.447	2.451	2.4	19.3
9 18	23 18.33	− 4 16.7	1.453	2.454	2.7	19.3
9 28	23 7.96	− 4 29.8	1.486	2.456	7.6	19.7
10 8	22 59.45	− 4 34.9	1.545	2.458	12.0	19.9
10 18	22 53.52	− 4 29.4	1.625	2.459	15.7	20.2

91959 1999 VR_{79} 9 12.8 324°.00 2°.9/16.1 18

8 9	23 44.17	+ 7 20.9	2.164	2.984	13.5	19.7
8 19	23 40.12	+ 7 10.8	2.082	2.981	10.7	19.5
8 29	23 34.41	+ 6 44.2	2.021	2.979	7.5	19.3
9 8	23 27.57	+ 6 3.0	1.985	2.976	4.3	19.1
9 18	23 20.30	+ 5 10.5	1.977	2.974	3.0	19.1
9 28	23 13.40	+ 4 12.2	1.997	2.972	5.5	19.2
10 8	23 7.64	+ 3 13.9	2.044	2.970	8.7	19.4
10 18	23 3.59	+ 2 21.1	2.115	2.968	11.8	19.6

19434 Bahuffman 9 12.8 175°.31 0°.2/12.6 18

8 9	23 48.32	− 2 1.3	2.016	2.868	13.1	19.7
8 19	23 43.25	− 2 34.0	1.942	2.870	9.8	19.5
8 29	23 36.35	− 3 18.0	1.892	2.871	6.1	19.2
9 8	23 28.21	− 4 8.9	1.868	2.872	2.0	19.0
9 18	23 19.64	− 5 1.5	1.872	2.873	2.3	19.0
9 28	23 11.56	− 5 49.9	1.905	2.873	6.3	19.3
10 8	23 4.80	− 6 29.1	1.964	2.873	10.0	19.5
10 18	22 59.95	− 6 55.9	2.047	2.872	13.2	19.7

26997 1997 YJ_5 9 12.8 350°.95 5°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.22	+13 0.5	2.321	3.102	13.8	17.5
8 19	23 41.61	+13 32.5	2.235	3.100	11.5	17.3
8 29	23 35.32	+13 47.8	2.172	3.099	8.9	17.1
9 8	23 27.88	+13 45.8	2.132	3.097	6.4	17.0
9 18	23 19.97	+13 27.7	2.119	3.096	5.2	16.9
9 28	23 12.40	+12 56.6	2.133	3.095	6.3	17.0
10 8	23 5.93	+12 17.7	2.174	3.094	8.6	17.1
10 18	23 1.16	+11 36.3	2.240	3.094	11.2	17.3

244381 2002 PH_{15} 9 12.8 69°.31 1°.3/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.71	+ 4 17.8	1.721	2.566	15.3	20.5
8 19	23 40.74	+ 3 23.9	1.660	2.580	11.7	20.3
8 29	23 34.84	+ 2 11.0	1.621	2.594	7.6	20.1
9 8	23 27.71	+ 0 44.1	1.607	2.608	3.2	19.8
9 18	23 20.22	− 0 49.5	1.621	2.623	2.2	19.8
9 28	23 13.34	− 2 21.0	1.662	2.637	6.3	20.1
10 8	23 7.93	− 3 42.4	1.729	2.651	10.3	20.4
10 18	23 4.54	− 4 48.4	1.820	2.666	13.7	20.6

521966 2015 VO_{160} 9 12.8 332°.06 0°.3/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.54	− 2 3.2	1.913	2.777	13.2	21.4
8 19	23 39.86	− 2 34.8	1.834	2.768	9.9	21.2
8 29	23 34.35	− 3 18.5	1.778	2.759	6.1	20.9
9 8	23 27.58	− 4 10.0	1.747	2.751	2.0	20.6
9 18	23 20.32	− 5 3.8	1.742	2.743	2.3	20.7
9 28	23 13.47	− 5 53.7	1.766	2.736	6.5	20.9
10 8	23 7.88	− 6 34.4	1.814	2.729	10.4	21.1
10 18	23 4.16	− 7 1.9	1.886	2.723	13.7	21.3

172571 2003 UD_{179} 9 12.8 252°.32 2°.8/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.86	− 8 17.0	1.511	2.389	15.3	20.3
8 19	23 45.82	− 8 58.3	1.438	2.381	11.4	20.1
8 29	23 38.25	− 9 48.4	1.387	2.373	7.0	19.8
9 8	23 28.92	−10 40.4	1.361	2.364	3.2	19.6
9 18	23 18.89	−11 26.6	1.361	2.355	4.8	19.6
9 28	23 9.48	−11 59.7	1.387	2.346	9.3	19.9
10 8	23 1.86	−12 15.0	1.437	2.336	13.6	20.1
10 18	22 56.82	−12 10.8	1.507	2.327	17.4	20.3

246990 1999 UO_{27} 9 12.8 2°.83 0°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.90	− 4 16.4	1.921	2.785	13.2	20.4
8 19	23 42.27	− 4 31.8	1.850	2.785	9.8	20.2
8 29	23 35.78	− 4 56.0	1.802	2.785	6.0	20.0
9 8	23 28.04	− 5 25.1	1.780	2.785	1.9	19.7
9 18	23 19.88	− 5 54.4	1.785	2.786	2.5	19.8
9 28	23 12.23	− 6 19.0	1.818	2.786	6.6	20.0
10 8	23 5.92	− 6 34.8	1.877	2.788	10.3	20.3
10 18	23 1.57	− 6 39.3	1.958	2.789	13.5	20.5

20669 1999 UO_{13} 9 12.8 16°.36 2°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.86	+ 5 49.2	2.152	2.979	13.3	18.4
8 19	23 39.88	+ 5 26.8	2.073	2.980	10.4	18.2
8 29	23 34.26	+ 4 48.3	2.017	2.980	7.1	18.0
9 8	23 27.53	+ 3 56.4	1.986	2.981	3.7	17.8
9 18	23 20.41	+ 2 55.3	1.982	2.981	2.5	17.7
9 28	23 13.69	+ 1 50.6	2.007	2.982	5.4	17.9
10 8	23 8.10	+ 0 48.4	2.059	2.983	8.8	18.1
10 18	23 4.22	− 0 6.0	2.135	2.984	11.9	18.3

466238 2013 AD_{131} 9 12.8 256°.73 1°.5/ 9.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 38.11	−10 35.7	4.497	5.360	6.2	21.6
8 19	23 34.86	−11 13.3	4.419	5.355	4.5	21.5
8 29	23 30.85	−11 53.0	4.368	5.350	2.8	21.3
9 8	23 26.36	−12 32.1	4.346	5.345	1.6	21.2
9 18	23 21.69	−13 8.5	4.354	5.340	2.3	21.3
9 28	23 17.20	−13 39.7	4.392	5.335	4.0	21.4
10 8	23 13.20	−14 4.0	4.457	5.330	5.7	21.5
10 18	23 9.98	−14 20.3	4.548	5.325	7.3	21.7

442264 2011 QP_{35} 9 12.8 2°.09 8°.8/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 41.03	−18 48.0	1.057	1.977	16.9	19.0
8 19	23 39.09	−20 7.8	1.014	1.973	13.1	18.8
8 29	23 34.29	−21 24.5	0.991	1.972	9.8	18.6
9 8	23 27.62	−22 25.3	0.989	1.973	8.8	18.5
9 18	23 20.40	−22 59.6	1.008	1.976	10.9	18.7
9 28	23 14.14	−23 0.9	1.047	1.982	14.4	18.9
10 8	23 10.06	−22 29.1	1.105	1.989	18.1	19.1
10 18	23 8.83	−21 28.0	1.180	1.998	21.3	19.4

151736 2003 CQ 9 12.8 92°.78 0°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.96	+ 0 20.0	1.643	2.504	15.2	19.5
8 19	23 41.73	− 1 8.4	1.587	2.519	11.3	19.3
8 29	23 35.48	− 2 54.1	1.553	2.535	6.8	19.1
9 8	23 27.95	− 4 49.3	1.546	2.551	2.1	18.8
9 18	23 20.05	− 6 44.2	1.566	2.566	2.9	18.9
9 28	23 12.82	− 8 28.8	1.614	2.581	7.4	19.2
10 8	23 7.15	− 9 55.6	1.688	2.596	11.5	19.5
10 18	23 3.61	−11 0.2	1.785	2.610	14.9	19.8

176087 2000 YS_{47} 9 12.8 321°.11 5°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.04	+ 9 51.7	1.306	2.143	19.7	19.7
8 19	23 43.39	+10 17.1	1.229	2.134	16.1	19.5
8 29	23 37.00	+10 16.8	1.170	2.126	11.9	19.2
9 8	23 28.59	+ 9 50.2	1.132	2.118	7.8	19.0
9 18	23 19.28	+ 9 0.0	1.117	2.110	5.8	18.8
9 28	23 10.53	+ 7 53.8	1.126	2.102	8.4	19.0
10 8	23 3.68	+ 6 42.0	1.159	2.096	12.8	19.2
10 18	22 59.64	+ 5 34.8	1.212	2.089	17.0	19.4

44869 1999 UQ_{34} 9 12.8 45°.59 3°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.48	− 9 52.2	1.161	2.056	17.8	18.4
8 19	23 46.44	−10 29.5	1.120	2.070	13.1	18.2
8 29	23 38.58	−11 13.3	1.098	2.085	8.1	18.0
9 8	23 28.99	−11 54.9	1.099	2.101	4.0	17.8
9 18	23 19.03	−12 25.9	1.124	2.118	5.7	17.9
9 28	23 10.22	−12 39.8	1.174	2.134	10.3	18.3
10 8	23 3.73	−12 33.8	1.245	2.152	14.7	18.6
10 18	23 0.19	−12 8.3	1.335	2.169	18.4	18.9

873 Mechthild 9 12.9 71°.49 1°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.82	− 3 6.4	1.641	2.510	14.8	15.4
8 19	23 42.35	− 4 2.6	1.588	2.526	10.9	15.2
8 29	23 35.85	− 5 11.2	1.558	2.542	6.6	15.0
9 8	23 28.07	− 6 25.6	1.553	2.558	2.1	14.7
9 18	23 19.96	− 7 38.0	1.575	2.574	3.1	14.8
9 28	23 12.55	− 8 41.0	1.624	2.590	7.5	15.1
10 8	23 6.73	− 9 28.9	1.698	2.606	11.4	15.4
10 18	23 3.07	− 9 58.9	1.794	2.622	14.7	15.7

170161 2003 EX_{59} 9 12.9 178°.54 18°.1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.17	−42 40.6	1.251	2.093	20.1	19.4
8 19	23 59.04	−44 37.2	1.226	2.094	18.7	19.3
8 29	23 46.68	−46 2.2	1.219	2.095	18.1	19.3
9 8	23 31.68	−46 40.6	1.231	2.096	18.5	19.3
9 18	23 16.31	−46 24.6	1.260	2.096	19.8	19.4
9 28	23 2.95	−45 15.0	1.307	2.095	21.5	19.5
10 8	22 53.25	−43 21.0	1.368	2.094	23.4	19.7
10 18	22 47.84	−40 54.3	1.443	2.092	25.1	19.9

135477 2001 WL_{41} 9 12.9 294°.37 19°.3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.20	−40 18.0	1.076	1.955	20.0	19.0
8 19	23 47.10	−43 52.6	1.054	1.945	19.3	18.9
8 29	23 39.88	−46 55.9	1.050	1.934	19.8	18.9
9 8	23 29.63	−49 8.5	1.065	1.923	21.2	19.0
9 18	23 18.28	−50 18.6	1.094	1.913	23.2	19.1
9 28	23 8.22	−50 24.3	1.137	1.903	25.4	19.2
10 8	23 1.38	−49 32.6	1.191	1.893	27.4	19.4
10 18	22 58.70	−47 54.1	1.252	1.883	29.1	19.5

142015 2002 PW_{169} 9 12.9 311°.18 4°.1/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.89	−10 58.5	1.368	2.257	15.9	20.0
8 19	23 45.29	−11 43.9	1.302	2.250	11.9	19.8
8 29	23 38.02	−12 35.7	1.257	2.243	7.5	19.5
9 8	23 28.89	−13 25.9	1.236	2.236	4.3	19.3
9 18	23 19.07	−14 5.8	1.239	2.229	6.1	19.4
9 28	23 9.97	−14 28.0	1.268	2.222	10.4	19.6
10 8	23 2.83	−14 29.0	1.319	2.216	14.8	19.9
10 18	22 58.43	−14 8.2	1.389	2.210	18.5	20.1

15533 2000 AP_{138} 9 12.9 198°.34 5°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.14	−14 52.6	1.753	2.634	13.4	18.0
8 19	23 44.97	−16 15.2	1.690	2.631	10.1	17.8
8 29	23 37.58	−17 40.5	1.650	2.628	6.9	17.6
9 8	23 28.70	−18 59.7	1.637	2.625	5.5	17.5
9 18	23 19.29	−20 4.2	1.651	2.621	7.2	17.6
9 28	23 10.49	−20 47.4	1.691	2.617	10.4	17.8
10 8	23 3.29	−21 6.5	1.754	2.612	13.8	18.0
10 18	22 58.39	−21 1.9	1.837	2.606	16.7	18.2

129154 Georgesondecker 9 12.9 22°.99 0°.1/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.98	− 2 40.1	1.049	1.941	19.4	18.9
8 19	23 44.15	− 2 46.4	1.002	1.949	14.6	18.7
8 29	23 37.37	− 3 8.9	0.972	1.958	9.0	18.4
9 8	23 28.65	− 3 41.7	0.964	1.969	3.0	18.1
9 18	23 19.39	− 4 17.2	0.978	1.980	3.2	18.2
9 28	23 11.18	− 4 46.9	1.016	1.993	9.0	18.5
10 8	23 5.31	− 5 4.3	1.075	2.006	14.2	18.9
10 18	23 2.48	− 5 5.6	1.153	2.021	18.5	19.2

254649 2005 JL_{134} 9 12.9 207°.77 1°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.13	− 5 49.0	1.751	2.617	14.1	21.6
8 19	23 44.95	− 6 40.1	1.676	2.613	10.5	21.4
8 29	23 37.59	− 7 41.6	1.624	2.608	6.4	21.1
9 8	23 28.71	− 8 47.6	1.598	2.602	2.4	20.9
9 18	23 19.26	− 9 50.6	1.600	2.596	3.8	20.9
9 28	23 10.34	−10 43.5	1.629	2.589	8.0	21.2
10 8	23 2.95	−11 21.0	1.684	2.582	12.1	21.4
10 18	22 57.81	−11 40.4	1.760	2.574	15.5	21.6

12396 Amyphillips 9 12.9 197°.99 6°.3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.84	−29 27.4	3.254	4.107	8.6	19.2
8 19	23 42.41	−30 33.4	3.200	4.103	7.2	19.1
8 29	23 35.63	−31 32.4	3.171	4.098	6.4	19.1
9 8	23 28.00	−32 19.3	3.170	4.093	6.4	19.1
9 18	23 20.08	−32 50.4	3.195	4.087	7.4	19.1
9 28	23 12.53	−33 3.4	3.247	4.080	8.8	19.2
10 8	23 5.93	−32 57.8	3.322	4.074	10.3	19.3
10 18	23 0.75	−32 35.0	3.418	4.066	11.6	19.4

142468 2002 TU_{11} 9 12.9 314°.20 2°.9/11.0 18

8 9	23 51.75	− 9 15.6	1.345	2.229	16.4	19.4
8 19	23 46.78	− 9 32.9	1.274	2.219	12.3	19.1
8 29	23 39.01	− 9 57.2	1.224	2.209	7.6	18.8
9 8	23 29.25	−10 21.7	1.197	2.200	3.3	18.5
9 18	23 18.73	−10 39.7	1.195	2.191	4.8	18.6
9 28	23 8.91	−10 44.8	1.219	2.182	9.7	18.9
10 8	23 1.11	−10 33.4	1.265	2.174	14.4	19.1
10 18	22 56.18	−10 4.5	1.331	2.166	18.4	19.3

371493 2006 TR_{94} 9 12.9 7°.62 6°.7/ 8.7 17

8 9	23 46.69	−14 45.3	0.976	1.891	18.5	19.7
8 19	23 43.48	−15 36.2	0.932	1.891	13.9	19.4
8 29	23 37.08	−16 28.6	0.906	1.893	9.3	19.2
9 8	23 28.59	−17 11.3	0.901	1.897	6.7	19.1
9 18	23 19.52	−17 33.8	0.917	1.902	8.7	19.2
9 28	23 11.59	−17 29.5	0.955	1.908	13.1	19.5
10 8	23 6.14	−16 57.3	1.011	1.916	17.5	19.8
10 18	23 3.91	−16 0.3	1.085	1.926	21.3	20.0

380811 2005 YS_{53} 9 12.9 147°.63 2°.2/10.7 18

8 9	23 48.29	− 6 52.5	1.882	2.751	13.2	21.1
8 19	23 43.33	− 7 45.8	1.818	2.756	9.7	20.9
8 29	23 36.45	− 8 47.4	1.778	2.761	5.9	20.7
9 8	23 28.32	− 9 51.1	1.763	2.766	2.5	20.5
9 18	23 19.78	−10 50.2	1.777	2.771	3.8	20.6
9 28	23 11.81	−11 38.7	1.818	2.775	7.6	20.9
10 8	23 5.26	−12 12.0	1.885	2.779	11.2	21.1
10 18	23 0.74	−12 28.2	1.974	2.783	14.3	21.3

399111 2014 DR_{79} 9 12.9 49°.64 1°.6/11.3 18

8 9	23 45.95	− 4 57.7	1.659	2.534	14.4	20.7
8 19	23 41.73	− 5 48.1	1.605	2.546	10.6	20.5
8 29	23 35.50	− 6 49.0	1.574	2.559	6.4	20.3
9 8	23 28.00	− 7 53.8	1.567	2.572	2.2	20.1
9 18	23 20.15	− 8 55.3	1.588	2.585	3.5	20.2
9 28	23 12.97	− 9 46.7	1.635	2.598	7.6	20.5
10 8	23 7.33	−10 23.0	1.706	2.612	11.5	20.7
10 18	23 3.82	−10 41.9	1.800	2.626	14.7	21.0

293574 2007 HS_{81} 9 12.9 155°.13 0°.7/13.8 18

8 9	23 43.66	+ 1 30.6	2.692	3.527	10.7	21.7
8 19	23 39.41	+ 0 54.9	2.615	3.531	8.1	21.5
8 29	23 33.85	+ 0 8.5	2.563	3.535	5.2	21.3
9 8	23 27.43	− 0 45.6	2.537	3.539	2.0	21.1
9 18	23 20.72	− 1 43.6	2.541	3.543	1.5	21.1
9 28	23 14.35	− 2 40.6	2.575	3.546	4.7	21.3
10 8	23 8.90	− 3 32.5	2.637	3.550	7.6	21.5
10 18	23 4.81	− 4 15.8	2.724	3.552	10.2	21.7

472717 2015 FY_{48} 9 12.9 69°.86 1°.7/13.9 16

8 9	23 57.51	− 0 54.1	1.460	2.312	17.2	20.7
8 19	23 50.55	− 0 20.3	1.404	2.328	13.1	20.4
8 29	23 41.01	+ 0 1.4	1.370	2.345	8.4	20.2
9 8	23 29.84	+ 0 12.8	1.360	2.361	3.5	20.0
9 18	23 18.26	+ 0 17.2	1.377	2.378	2.7	20.0
9 28	23 7.64	+ 0 18.9	1.421	2.395	7.3	20.3
10 8	22 59.13	+ 0 22.4	1.491	2.412	11.7	20.6
10 18	22 53.38	+ 0 31.2	1.582	2.428	15.4	20.9

171480 1995 EW_3 9 12.9 167°.36 0°.6/13.4 17

8 9	23 50.60	+ 0 17.0	1.594	2.448	15.9	21.2
8 19	23 45.43	− 0 10.6	1.524	2.451	12.1	21.0
8 29	23 37.93	− 0 54.0	1.476	2.454	7.6	20.7
9 8	23 28.85	− 1 48.8	1.452	2.456	2.8	20.5
9 18	23 19.22	− 2 48.6	1.456	2.457	2.4	20.4
9 28	23 10.23	− 3 45.8	1.486	2.459	7.2	20.7
10 8	23 2.93	− 4 33.4	1.542	2.459	11.7	21.0
10 18	22 58.03	− 5 7.0	1.620	2.460	15.4	21.3

48000 2001 BX_{37} 9 12.9 95°.31 2°.6/15.3 17

8 9	23 47.71	+ 6 28.3	1.489	2.330	17.5	19.8
8 19	23 43.31	+ 5 53.6	1.427	2.341	13.6	19.6
8 29	23 36.61	+ 4 55.7	1.385	2.352	9.2	19.4
9 8	23 28.41	+ 3 38.7	1.366	2.364	4.6	19.1
9 18	23 19.72	+ 2 9.9	1.374	2.374	3.0	19.1
9 28	23 11.76	+ 0 38.8	1.408	2.385	7.0	19.3
10 8	23 5.53	− 0 44.8	1.468	2.396	11.3	19.6
10 18	23 1.72	− 1 54.0	1.550	2.406	15.1	19.9

224131 2005 QO_{28} 9 12.9 347°.55 1°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.91	− 0 0.0	1.011	1.908	19.6	19.6
8 19	23 39.23	− 0 4.3	0.945	1.895	15.0	19.3
8 29	23 34.62	− 0 29.8	0.897	1.883	9.7	19.0
9 8	23 27.87	− 1 12.3	0.869	1.873	3.7	18.6
9 18	23 20.22	− 2 4.4	0.862	1.864	3.0	18.5
9 28	23 13.26	− 2 55.5	0.877	1.858	9.1	18.9
10 8	23 8.45	− 3 35.7	0.912	1.853	14.8	19.2
10 18	23 6.69	− 3 58.4	0.965	1.851	19.6	19.4

405299 2003 TZ_{58} 9 12.9 343°.33 1°.8/11.1 18

8 9	23 45.29	− 7 27.8	1.910	2.784	12.8	20.7
8 19	23 41.17	− 7 53.6	1.836	2.777	9.5	20.5
8 29	23 35.18	− 8 26.2	1.786	2.770	5.8	20.2
9 8	23 27.93	− 9 0.9	1.761	2.764	2.3	20.0
9 18	23 20.21	− 9 32.5	1.763	2.759	3.4	20.1
9 28	23 12.96	− 9 55.8	1.792	2.754	7.2	20.3
10 8	23 7.03	−10 7.2	1.846	2.749	10.9	20.5
10 18	23 3.03	−10 4.6	1.922	2.746	14.0	20.7

367296 2007 VC_{148} 9 12.9 317°.44 4°.0/ 9.8 18

8 9	23 45.99	− 8 27.0	1.177	2.077	17.2	20.8
8 19	23 42.80	− 9 31.9	1.109	2.063	12.8	20.5
8 29	23 36.73	−10 49.9	1.060	2.049	8.0	20.1
9 8	23 28.56	−12 11.2	1.034	2.036	4.2	19.9
9 18	23 19.50	−13 24.3	1.032	2.024	6.3	20.0
9 28	23 11.12	−14 18.4	1.052	2.012	11.4	20.2
10 8	23 4.79	−14 46.6	1.094	2.001	16.3	20.5
10 18	23 1.42	−14 47.1	1.154	1.990	20.6	20.7

353409 2011 QW_3 9 12.9 358°.77 1°.9/14.1 18

8 9	23 48.49	+ 0 2.0	1.389	2.256	17.1	20.3
8 19	23 44.16	+ 0 27.0	1.321	2.253	13.1	20.0
8 29	23 37.30	+ 0 37.9	1.273	2.251	8.6	19.8
9 8	23 28.69	+ 0 37.0	1.248	2.250	3.7	19.5
9 18	23 19.42	+ 0 27.9	1.248	2.250	2.8	19.4
9 28	23 10.82	+ 0 16.1	1.273	2.250	7.5	19.7
10 8	23 4.07	+ 0 7.0	1.322	2.252	12.1	20.0
10 18	22 59.94	+ 0 5.4	1.392	2.255	16.1	20.3

438593 2007 VV_{51} 9 12.9 33°.41 2°.3/15.1 18

8 9	23 46.89	+ 4 25.1	1.844	2.681	14.8	21.1
8 19	23 42.41	+ 4 18.3	1.769	2.682	11.5	20.9
8 29	23 35.97	+ 3 55.2	1.716	2.683	7.8	20.7
9 8	23 28.20	+ 3 18.2	1.688	2.685	3.9	20.4
9 18	23 19.95	+ 2 31.4	1.686	2.686	2.7	20.4
9 28	23 12.19	+ 1 40.8	1.712	2.688	6.1	20.6
10 8	23 5.82	+ 0 52.8	1.764	2.689	9.9	20.8
10 18	23 1.47	+ 0 12.7	1.839	2.691	13.3	21.0

511410 2014 HQ_{56} 9 12.9 132°.73 0°.2/12.6 18

8 9	23 46.78	− 1 42.3	2.258	3.107	12.0	22.7
8 19	23 41.90	− 2 21.6	2.192	3.117	9.0	22.5
8 29	23 35.45	− 3 11.2	2.149	3.128	5.5	22.3
9 8	23 27.98	− 4 6.8	2.133	3.138	1.8	22.0
9 18	23 20.21	− 5 3.5	2.147	3.147	2.0	22.1
9 28	23 12.90	− 5 55.9	2.189	3.156	5.7	22.4
10 8	23 6.76	− 6 39.7	2.258	3.165	9.0	22.6
10 18	23 2.30	− 7 11.7	2.352	3.173	11.9	22.8

44026 1997 YD_{11} 9 12.9 282°.85 0°.2/13.1 18

8 9	23 48.66	− 2 54.5	2.481	3.325	11.2	18.1
8 19	23 43.30	− 2 49.6	2.392	3.315	8.5	17.9
8 29	23 36.35	− 2 51.7	2.328	3.305	5.3	17.7
9 8	23 28.31	− 2 58.5	2.292	3.295	1.8	17.4
9 18	23 19.84	− 3 7.3	2.284	3.285	1.8	17.4
9 28	23 11.70	− 3 14.8	2.306	3.275	5.3	17.6
10 8	23 4.61	− 3 18.2	2.355	3.265	8.5	17.8
10 18	22 59.13	− 3 15.1	2.430	3.255	11.4	18.0

347038 2010 EF_{104} 9 12.9 130°.42 8°.7/ 2.9 18

8 9	23 52.91	−30 0.5	2.197	3.056	11.9	21.0
8 19	23 46.58	−31 22.3	2.164	3.070	10.0	20.9
8 29	23 38.33	−32 32.7	2.155	3.084	8.8	20.8
9 8	23 28.92	−33 24.0	2.172	3.097	8.8	20.8
9 18	23 19.27	−33 51.2	2.214	3.109	10.0	20.9
9 28	23 10.38	−33 52.1	2.281	3.121	11.7	21.1
10 8	23 3.09	−33 27.9	2.369	3.133	13.6	21.2
10 18	22 57.91	−32 41.8	2.475	3.143	15.2	21.4

411165 2010 DF_1 9 12.9 34°.09 13°.2/30.8 14 C

8 9	10 50.03	+71 39.7	0.124	0.953	116.2	21.7
8 19	0 7.01	+60 46.1	0.056	1.025	75.1	18.2
8 29	23 34.18	−12 28.1	0.095	1.102	14.6	17.7
9 8	23 26.45	−29 8.5	0.187	1.181	20.2	19.5
9 18	23 22.59	−33 41.5	0.290	1.260	25.1	20.8
9 28	23 21.62	−34 43.3	0.401	1.338	28.2	21.7
10 8	23 23.36	−34 12.6	0.521	1.414	30.3	22.4
10 18	23 27.49	−32 52.8	0.649	1.488	31.7	23.1

433895 2015 BY_{421} 9 12.9 89°.89 0°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.78	+ 1 2.1	1.608	2.461	15.8	21.5
8 19	23 44.59	+ 0 29.7	1.554	2.479	12.0	21.4
8 29	23 37.27	− 0 18.6	1.521	2.498	7.5	21.1
9 8	23 28.61	− 1 17.8	1.514	2.517	2.8	20.9
9 18	23 19.60	− 2 21.1	1.533	2.535	2.3	20.9
9 28	23 11.37	− 3 21.1	1.580	2.553	6.8	21.2
10 8	23 4.82	− 4 11.3	1.652	2.570	10.9	21.5
10 18	23 0.57	− 4 47.5	1.746	2.587	14.4	21.8

99176 2001 FF_{164} 9 12.9 145°.19 2°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.74	+ 8 22.1	2.465	3.272	12.4	19.8
8 19	23 39.63	+ 8 3.8	2.383	3.275	9.8	19.6
8 29	23 34.06	+ 7 30.0	2.324	3.277	7.0	19.4
9 8	23 27.54	+ 6 42.5	2.291	3.279	4.1	19.3
9 18	23 20.67	+ 5 44.8	2.286	3.281	2.9	19.2
9 28	23 14.15	+ 4 41.7	2.310	3.284	4.9	19.3
10 8	23 8.63	+ 3 38.6	2.361	3.285	7.8	19.5
10 18	23 4.61	+ 2 40.5	2.438	3.287	10.6	19.7

257746 2000 AC_{212} 9 12.9 255°.79 1°.9/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.72	− 4 54.2	1.711	2.581	14.2	20.7
8 19	23 43.34	− 5 56.2	1.626	2.565	10.6	20.5
8 29	23 36.73	− 7 11.6	1.565	2.549	6.5	20.2
9 8	23 28.52	− 8 33.9	1.529	2.533	2.4	19.9
9 18	23 19.60	− 9 55.0	1.520	2.516	3.9	20.0
9 28	23 11.08	−11 6.2	1.538	2.499	8.4	20.2
10 8	23 4.03	−12 0.7	1.582	2.481	12.6	20.4
10 18	22 59.22	−12 35.0	1.646	2.463	16.3	20.6

440393 2005 JQ_{20} 9 12.9 136°.19 3°.2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.93	−12 20.1	2.587	3.451	10.2	22.5
8 19	23 42.55	−13 23.3	2.532	3.468	7.5	22.4
8 29	23 35.75	−14 28.6	2.504	3.483	4.8	22.2
9 8	23 28.08	−15 30.7	2.504	3.498	3.2	22.1
9 18	23 20.17	−16 24.6	2.533	3.512	4.4	22.2
9 28	23 12.72	−17 6.1	2.592	3.525	6.9	22.4
10 8	23 6.37	−17 33.0	2.677	3.538	9.5	22.6
10 18	23 1.56	−17 44.4	2.785	3.550	11.7	22.8

282710 2006 BD_{156} 9 12.9 303°.17 1°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.35	− 5 16.2	2.150	3.016	11.9	20.7
8 19	23 40.33	− 5 54.9	2.069	3.005	8.8	20.5
8 29	23 34.63	− 6 42.4	2.011	2.994	5.4	20.2
9 8	23 27.77	− 7 34.1	1.980	2.984	1.9	20.0
9 18	23 20.46	− 8 24.8	1.976	2.974	2.9	20.0
9 28	23 13.51	− 9 9.1	2.000	2.963	6.5	20.3
10 8	23 7.69	− 9 42.3	2.051	2.953	10.0	20.5
10 18	23 3.59	−10 2.0	2.125	2.943	13.0	20.6

20419 1998 SE_{117} 9 12.9 210°.54 3°.5/16.4 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.36	+ 8 42.3	1.946	2.758	15.1	18.3
8 19	23 43.54	+ 8 28.0	1.859	2.753	12.0	18.1
8 29	23 36.72	+ 7 53.8	1.792	2.746	8.6	17.8
9 8	23 28.50	+ 7 1.4	1.751	2.740	5.0	17.6
9 18	23 19.70	+ 5 54.7	1.737	2.733	3.5	17.5
9 28	23 11.30	+ 4 40.0	1.751	2.725	6.2	17.7
10 8	23 4.22	+ 3 25.1	1.792	2.716	9.8	17.9
10 18	22 59.16	+ 2 16.9	1.857	2.708	13.3	18.1

289353 2005 BF_{19} 9 12.9 307°.65 3°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.70	− 9 15.1	1.568	2.452	14.6	20.1
8 19	23 43.49	− 9 55.3	1.490	2.435	10.9	19.9
8 29	23 36.89	−10 43.3	1.434	2.419	6.8	19.6
9 8	23 28.60	−11 32.6	1.402	2.403	3.3	19.4
9 18	23 19.59	−12 15.6	1.395	2.388	5.0	19.4
9 28	23 11.07	−12 45.3	1.415	2.373	9.2	19.6
10 8	23 4.18	−12 57.2	1.458	2.358	13.5	19.9
10 18	22 59.71	−12 49.6	1.521	2.343	17.2	20.1

4985 Fitzsimmons 9 12.9 322°.79 0°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.17	− 2 18.8	2.082	2.941	12.5	17.7
8 19	23 40.25	− 2 43.1	1.999	2.930	9.4	17.5
8 29	23 34.61	− 3 18.0	1.939	2.920	5.8	17.2
9 8	23 27.78	− 3 59.7	1.905	2.910	1.9	16.9
9 18	23 20.47	− 4 43.7	1.899	2.900	2.1	17.0
9 28	23 13.53	− 5 24.6	1.920	2.890	6.1	17.2
10 8	23 7.75	− 5 57.6	1.967	2.881	9.7	17.4
10 18	23 3.72	− 6 19.4	2.038	2.872	12.9	17.6

171408 2006 QF_{150} 9 12.9 161°.02 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.58	+ 0 22.9	2.035	2.883	13.2	21.2
8 19	23 42.01	− 0 5.0	1.961	2.884	10.0	21.0
8 29	23 35.65	− 0 45.8	1.910	2.886	6.3	20.8
9 8	23 28.12	− 1 35.6	1.884	2.887	2.3	20.5
9 18	23 20.16	− 2 29.7	1.887	2.889	2.0	20.5
9 28	23 12.67	− 3 22.1	1.918	2.890	5.9	20.8
10 8	23 6.43	− 4 7.5	1.975	2.891	9.6	21.0
10 18	23 2.02	− 4 41.9	2.056	2.892	12.8	21.2

379273 2009 UN_{98} 9 12.9 273°.06 4°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.05	−12 28.3	1.596	2.479	14.4	21.2
8 19	23 45.17	−13 20.7	1.525	2.469	10.8	21.0
8 29	23 37.89	−14 17.8	1.476	2.458	7.0	20.7
9 8	23 28.93	−15 11.8	1.451	2.448	4.5	20.5
9 18	23 19.32	−15 54.7	1.454	2.438	6.2	20.6
9 28	23 10.30	−16 20.1	1.481	2.427	10.0	20.8
10 8	23 2.98	−16 24.5	1.533	2.417	13.9	21.0
10 18	22 58.13	−16 7.5	1.604	2.406	17.3	21.2

309652 2008 DP_{23} 9 12.9 156°.50 0°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.14	+ 0 7.8	2.254	3.101	12.1	21.6
8 19	23 40.04	− 0 47.3	2.180	3.104	9.1	21.4
8 29	23 34.38	− 1 55.1	2.129	3.107	5.6	21.2
9 8	23 27.69	− 3 11.1	2.106	3.110	1.9	20.9
9 18	23 20.64	− 4 29.6	2.111	3.112	2.0	20.9
9 28	23 13.99	− 5 44.4	2.145	3.114	5.7	21.2
10 8	23 8.44	− 6 49.9	2.207	3.116	9.1	21.4
10 18	23 4.49	− 7 42.2	2.293	3.118	12.0	21.6

264381 2000 DB_{52} 9 12.9 227°.77 0°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.30	− 2 39.8	1.881	2.739	13.7	20.9
8 19	23 43.56	− 3 33.3	1.798	2.729	10.2	20.7
8 29	23 36.77	− 4 40.2	1.737	2.718	6.3	20.5
9 8	23 28.54	− 5 55.2	1.702	2.707	2.0	20.2
9 18	23 19.72	− 7 11.4	1.696	2.695	2.9	20.2
9 28	23 11.30	− 8 21.2	1.718	2.682	7.2	20.4
10 8	23 4.23	− 9 18.2	1.766	2.669	11.3	20.7
10 18	22 59.22	− 9 58.4	1.836	2.656	14.7	20.9

220661 2004 RJ_{164} 9 12.9 338°.42 4°.8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.92	+11 13.0	2.147	2.942	14.4	19.7
8 19	23 42.30	+11 38.9	2.063	2.940	11.8	19.5
8 29	23 35.88	+11 47.6	2.000	2.938	8.9	19.3
9 8	23 28.22	+11 38.9	1.962	2.936	6.1	19.2
9 18	23 20.06	+11 14.6	1.950	2.934	4.8	19.1
9 28	23 12.27	+10 38.3	1.965	2.932	6.2	19.2
10 8	23 5.67	+ 9 55.7	2.007	2.931	9.0	19.4
10 18	23 0.88	+ 9 12.5	2.073	2.929	11.9	19.5

165982 2001 YM_{96} 9 12.9 179°.41 0°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 53.04	− 0 33.4	1.596	2.448	16.0	20.1
8 19	23 47.31	− 0 44.6	1.524	2.450	12.1	19.9
8 29	23 39.16	− 1 9.9	1.473	2.451	7.7	19.6
9 8	23 29.34	− 1 45.6	1.448	2.451	2.8	19.3
9 18	23 18.93	− 2 26.1	1.449	2.451	2.4	19.3
9 28	23 9.15	− 3 4.9	1.478	2.450	7.3	19.6
10 8	23 1.13	− 3 36.0	1.532	2.449	11.7	19.9
10 18	22 55.60	− 3 55.2	1.608	2.447	15.6	20.1

112460 2002 OW_{12} 9 12.9 328°.57 4°.3/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.52	+ 9 49.3	1.658	2.484	16.7	18.8
8 19	23 40.24	+ 9 41.6	1.574	2.474	13.5	18.5
8 29	23 34.83	+ 9 10.5	1.511	2.466	9.8	18.3
9 8	23 27.92	+ 8 17.3	1.470	2.457	6.1	18.1
9 18	23 20.38	+ 7 6.1	1.455	2.449	4.3	17.9
9 28	23 13.26	+ 5 44.2	1.465	2.442	6.8	18.1
10 8	23 7.58	+ 4 20.9	1.501	2.435	10.6	18.3
10 18	23 4.08	+ 3 4.5	1.559	2.428	14.4	18.5

480678 2015 PT_{25} 9 12.9 74°.55 1°.3/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.17	− 5 36.8	1.861	2.727	13.4	21.5
8 19	23 43.28	− 6 6.3	1.797	2.733	9.9	21.3
8 29	23 36.47	− 6 44.3	1.756	2.739	6.0	21.1
9 8	23 28.40	− 7 25.7	1.741	2.745	2.1	20.8
9 18	23 19.95	− 8 5.1	1.754	2.752	3.0	20.9
9 28	23 12.08	− 8 37.0	1.793	2.758	7.0	21.2
10 8	23 5.64	− 8 57.3	1.859	2.764	10.7	21.4
10 18	23 1.23	− 9 4.0	1.947	2.770	13.9	21.7

315832 2008 GA_{124} 9 12.9 37°.34 3°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.89	− 9 32.8	2.072	2.950	11.8	20.5
8 19	23 39.98	−10 42.4	2.010	2.952	8.7	20.4
8 29	23 34.39	−11 58.1	1.971	2.955	5.4	20.2
9 8	23 27.71	−13 13.3	1.960	2.959	3.1	20.0
9 18	23 20.67	−14 21.3	1.976	2.962	4.6	20.1
9 28	23 14.09	−15 16.4	2.019	2.965	7.7	20.3
10 8	23 8.72	−15 54.5	2.088	2.969	10.9	20.5
10 18	23 5.10	−16 14.2	2.179	2.972	13.6	20.7

46552 1990 RM_{1} 9 12.9 10°.18 2°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.08	−10 4.3	1.244	2.131	17.4	17.5
8 19	23 48.48	− 9 41.0	1.187	2.133	13.0	17.3
8 29	23 40.00	− 9 21.0	1.151	2.137	8.0	17.0
9 8	23 29.63	− 8 59.7	1.138	2.142	3.1	16.7
9 18	23 18.73	− 8 32.8	1.149	2.148	4.2	16.8
9 28	23 8.84	− 7 57.3	1.186	2.155	9.2	17.2
10 8	23 1.23	− 7 11.6	1.246	2.163	13.8	17.4
10 18	22 56.62	− 6 16.0	1.326	2.173	17.8	17.7

369467 2010 RG_{157} 9 12.9 281°.08 1°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 50.89	+ 1 21.0	1.413	2.271	17.3	20.9
8 19	23 46.23	+ 1 25.5	1.328	2.255	13.5	20.7
8 29	23 38.82	+ 1 13.1	1.263	2.238	8.9	20.4
9 8	23 29.34	+ 0 46.1	1.220	2.222	3.9	20.0
9 18	23 18.89	+ 0 9.1	1.203	2.205	2.9	19.9
9 28	23 8.89	− 0 30.8	1.212	2.188	8.0	20.2
10 8	23 0.69	− 1 6.1	1.244	2.171	13.0	20.4
10 18	22 55.25	− 1 30.7	1.298	2.154	17.5	20.7

588 Achilles 9 12.9 280°.05 1°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.63	+ 5 12.0	4.416	5.221	7.4	16.0
8 19	23 36.05	+ 5 7.7	4.317	5.210	5.8	15.9
8 29	23 31.67	+ 4 56.1	4.243	5.199	4.0	15.8
9 8	23 26.77	+ 4 38.4	4.197	5.188	2.2	15.6
9 18	23 21.66	+ 4 16.0	4.180	5.177	1.6	15.5
9 28	23 16.69	+ 3 50.9	4.193	5.166	3.0	15.7
10 8	23 12.22	+ 3 25.4	4.236	5.154	4.8	15.8
10 18	23 8.53	+ 3 1.6	4.305	5.143	6.6	15.9

241013 2006 PW_{13} 9 12.9 59°.52 4°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.63	−13 28.1	1.614	2.493	14.5	19.7
8 19	23 46.59	−14 4.8	1.576	2.518	10.7	19.6
8 29	23 38.41	−14 42.2	1.561	2.543	6.8	19.4
9 8	23 29.01	−15 13.6	1.572	2.568	4.3	19.3
9 18	23 19.43	−15 33.0	1.609	2.593	5.7	19.5
9 28	23 10.82	−15 36.6	1.672	2.618	9.1	19.7
10 8	23 4.05	−15 23.1	1.760	2.643	12.4	20.0
10 18	22 59.65	−14 53.4	1.868	2.668	15.3	20.2

519691 2013 AG_{186} 9 12.9 291°.08 2°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.60	+ 6 0.1	1.950	2.778	14.5	21.5
8 19	23 42.17	+ 5 56.5	1.871	2.776	11.4	21.3
8 29	23 35.85	+ 5 36.2	1.812	2.774	7.9	21.1
9 8	23 28.24	+ 5 1.0	1.779	2.772	4.3	20.8
9 18	23 20.13	+ 4 14.7	1.772	2.771	3.0	20.8
9 28	23 12.45	+ 3 22.8	1.794	2.769	5.9	20.9
10 8	23 6.07	+ 2 31.6	1.841	2.767	9.5	21.2
10 18	23 1.62	+ 1 46.6	1.912	2.765	12.9	21.4

287577 2003 FE_{42} 9 12.9 338°.14 0°.5/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.99	− 5 23.7	4.044	4.894	7.1	20.7
8 19	23 36.35	− 5 42.3	3.964	4.892	5.3	20.6
8 29	23 31.86	− 6 4.7	3.909	4.890	3.2	20.4
9 8	23 26.83	− 6 29.0	3.884	4.888	1.0	20.3
9 18	23 21.62	− 6 52.9	3.888	4.886	1.5	20.3
9 28	23 16.60	− 7 14.2	3.922	4.884	3.6	20.5
10 8	23 12.15	− 7 30.8	3.984	4.883	5.7	20.6
10 18	23 8.58	− 7 41.3	4.072	4.881	7.5	20.7

463628 2013 TN_{36} 9 12.9 17°.17 2°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 32.94	+ 8 47.3	0.805	1.701	23.5	19.4
8 19	23 33.41	+ 7 17.4	0.766	1.711	18.2	19.1
8 29	23 31.00	+ 5 4.4	0.742	1.723	12.1	18.9
9 8	23 26.69	+ 2 19.8	0.737	1.738	5.5	18.6
9 18	23 21.81	− 0 37.4	0.753	1.756	3.1	18.5
9 28	23 17.90	− 3 24.8	0.791	1.775	9.0	18.9
10 8	23 16.14	− 5 44.0	0.849	1.797	14.7	19.3
10 18	23 17.15	− 7 25.4	0.927	1.820	19.5	19.7

432306 2009 SQ_{357} 9 12.9 280°.14 2°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 40.53	−15 32.5	4.348	5.214	6.4	21.5
8 19	23 36.69	−15 59.5	4.276	5.210	4.7	21.3
8 29	23 32.05	−16 26.3	4.230	5.206	3.2	21.2
9 8	23 26.90	−16 50.4	4.213	5.202	2.3	21.2
9 18	23 21.57	−17 9.5	4.225	5.198	3.1	21.2
9 28	23 16.45	−17 21.8	4.267	5.194	4.6	21.3
10 8	23 11.88	−17 25.8	4.335	5.190	6.3	21.4
10 18	23 8.17	−17 21.1	4.429	5.186	7.7	21.6

6628 Dondelia 9 12.9 334°.51 1°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.01	− 4 15.5	1.866	2.734	13.3	17.0
8 19	23 41.03	− 4 56.8	1.793	2.730	9.9	16.8
8 29	23 35.16	− 5 48.7	1.742	2.726	6.0	16.6
9 8	23 28.02	− 6 46.1	1.718	2.723	2.0	16.3
9 18	23 20.40	− 7 42.9	1.721	2.719	3.0	16.4
9 28	23 13.25	− 8 32.6	1.751	2.716	7.0	16.6
10 8	23 7.43	− 9 10.2	1.806	2.713	10.8	16.8
10 18	23 3.55	− 9 32.5	1.883	2.711	14.1	17.0

195292 2002 EB_{85} 9 12.9 306°.58 0°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.56	+ 0 6.5	1.628	2.494	15.1	19.9
8 19	23 40.23	− 1 10.6	1.553	2.488	11.3	19.6
8 29	23 34.81	− 2 46.9	1.500	2.482	6.9	19.4
9 8	23 27.93	− 4 35.7	1.472	2.477	2.2	19.1
9 18	23 20.48	− 6 27.7	1.471	2.471	2.9	19.1
9 28	23 13.51	− 8 12.3	1.497	2.466	7.7	19.4
10 8	23 8.00	− 9 40.9	1.549	2.461	12.0	19.6
10 18	23 4.64	−10 47.8	1.623	2.456	15.7	19.9

302728 2002 TP_{323} 9 12.9 341°.44 0°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.54	− 4 54.9	1.734	2.602	14.2	20.9
8 19	23 43.78	− 5 12.8	1.662	2.599	10.6	20.6
8 29	23 36.90	− 5 40.1	1.614	2.597	6.5	20.4
9 8	23 28.61	− 6 12.2	1.590	2.594	2.1	20.1
9 18	23 19.80	− 6 43.7	1.593	2.593	2.9	20.2
9 28	23 11.54	− 7 9.2	1.623	2.591	7.3	20.4
10 8	23 4.81	− 7 24.1	1.678	2.589	11.3	20.7
10 18	23 0.25	− 7 26.0	1.756	2.588	14.8	20.9

38492 1999 TQ_{117} 9 12.9 357°.39 2°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.63	+ 3 25.6	1.941	2.781	14.0	18.2
8 19	23 41.43	+ 3 21.8	1.865	2.780	10.9	18.0
8 29	23 35.39	+ 3 3.4	1.810	2.779	7.3	17.7
9 8	23 28.09	+ 2 32.7	1.780	2.779	3.6	17.5
9 18	23 20.34	+ 1 53.6	1.778	2.778	2.4	17.4
9 28	23 13.02	+ 1 11.3	1.803	2.778	5.8	17.7
10 8	23 7.00	+ 0 31.6	1.853	2.779	9.5	17.9
10 18	23 2.87	− 0 1.0	1.928	2.779	12.8	18.1

164019 2003 UR_{208} 9 12.9 359°.55 3°.6/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.83	− 9 59.5	1.440	2.330	15.2	19.2
8 19	23 42.84	−10 43.9	1.379	2.328	11.3	18.9
8 29	23 36.46	−11 35.1	1.340	2.327	7.0	18.7
9 8	23 28.48	−12 25.5	1.325	2.326	3.7	18.5
9 18	23 19.96	−13 7.2	1.335	2.326	5.4	18.6
9 28	23 12.15	−13 33.5	1.370	2.327	9.5	18.8
10 8	23 6.11	−13 40.5	1.428	2.329	13.6	19.1
10 18	23 2.55	−13 27.5	1.506	2.331	17.2	19.3

18051 1999 RU_{196} 9 12.9 265°.07 3°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.11	+10 24.5	2.221	3.023	13.7	18.3
8 19	23 40.14	+10 11.7	2.136	3.021	11.1	18.1
8 29	23 34.53	+ 9 40.5	2.072	3.019	8.1	17.9
9 8	23 27.81	+ 8 52.4	2.033	3.016	5.1	17.8
9 18	23 20.65	+ 7 50.5	2.022	3.014	3.7	17.7
9 28	23 13.85	+ 6 40.4	2.038	3.011	5.5	17.8
10 8	23 8.16	+ 5 28.4	2.082	3.009	8.5	18.0
10 18	23 4.14	+ 4 20.8	2.150	3.007	11.5	18.2

207143 2005 CH_{5} 9 12.9 242°.99 1°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.83	− 5 11.3	2.080	2.942	12.4	20.8
8 19	23 42.30	− 6 3.9	1.995	2.930	9.2	20.5
8 29	23 35.94	− 7 6.5	1.934	2.917	5.6	20.3
9 8	23 28.30	− 8 13.9	1.900	2.904	2.1	20.1
9 18	23 20.12	− 9 20.1	1.894	2.890	3.2	20.1
9 28	23 12.31	−10 18.6	1.917	2.876	7.0	20.3
10 8	23 5.70	−11 4.1	1.965	2.862	10.7	20.5
10 18	23 0.92	−11 33.7	2.037	2.847	13.8	20.7

322591 2012 BS_{18} 9 12.9 75°.74 2°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.61	+ 4 9.5	1.350	2.200	18.4	20.6
8 19	23 46.41	+ 4 10.3	1.295	2.215	14.3	20.4
8 29	23 38.64	+ 3 50.7	1.259	2.229	9.6	20.2
9 8	23 29.20	+ 3 13.7	1.246	2.244	4.7	19.9
9 18	23 19.27	+ 2 25.1	1.258	2.258	3.2	19.9
9 28	23 10.23	+ 1 32.8	1.296	2.273	7.4	20.2
10 8	23 3.20	+ 0 45.0	1.358	2.287	12.0	20.5
10 18	22 58.88	+ 0 7.7	1.442	2.301	15.9	20.8

139080 2001 FP_{16} 9 12.9 151°.49 1°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.26	− 5 11.4	1.766	2.629	14.2	20.5
8 19	23 45.70	− 5 54.0	1.702	2.636	10.5	20.3
8 29	23 38.04	− 6 46.4	1.661	2.643	6.4	20.1
9 8	23 28.99	− 7 42.8	1.645	2.650	2.2	19.9
9 18	23 19.51	− 8 36.7	1.658	2.655	3.3	19.9
9 28	23 10.67	− 9 21.5	1.698	2.661	7.5	20.2
10 8	23 3.41	− 9 52.7	1.764	2.665	11.4	20.5
10 18	22 58.36	−10 7.8	1.852	2.669	14.7	20.7

344673 2003 SG_{168} 9 12.9 328°.74 6°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.59	−13 45.4	1.235	2.143	15.9	19.5
8 19	23 40.37	−15 1.7	1.155	2.112	12.1	19.2
8 29	23 35.37	−16 26.4	1.096	2.082	8.3	18.9
9 8	23 28.27	−17 48.6	1.059	2.053	6.4	18.7
9 18	23 20.14	−18 56.2	1.046	2.025	8.8	18.7
9 28	23 12.47	−19 38.5	1.054	1.999	13.2	18.9
10 8	23 6.67	−19 49.3	1.082	1.974	17.7	19.1
10 18	23 3.74	−19 28.0	1.127	1.951	21.8	19.3

124090 2001 HZ_{24} 9 12.9 222°.17 0°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.08	− 3 22.7	2.442	3.295	11.1	20.7
8 19	23 40.67	− 3 54.3	2.363	3.292	8.3	20.5
8 29	23 34.78	− 4 34.3	2.308	3.288	5.0	20.3
9 8	23 27.89	− 5 19.1	2.281	3.285	1.6	20.1
9 18	23 20.64	− 6 4.5	2.282	3.282	2.1	20.1
9 28	23 13.74	− 6 45.8	2.312	3.278	5.5	20.3
10 8	23 7.86	− 7 19.2	2.369	3.274	8.7	20.5
10 18	23 3.51	− 7 41.9	2.451	3.271	11.5	20.7

306178 2010 WR_{11} 9 12.9 283°.81 1°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 40.16	+ 2 31.7	4.251	5.069	7.4	20.7
8 19	23 36.48	+ 2 25.4	4.154	5.058	5.7	20.6
8 29	23 31.98	+ 2 12.6	4.082	5.047	3.8	20.4
9 8	23 26.92	+ 1 54.5	4.039	5.036	1.8	20.3
9 18	23 21.65	+ 1 32.8	4.025	5.025	1.2	20.2
9 28	23 16.53	+ 1 9.6	4.041	5.014	3.1	20.3
10 8	23 11.93	+ 0 47.1	4.087	5.003	5.1	20.5
10 18	23 8.16	+ 0 27.4	4.159	4.992	6.9	20.6

62976 2000 VO_{52} 9 12.9 49°.27 2°.0/14.4 18

8 9	23 49.99	+ 2 24.3	1.358	2.216	17.9	18.5
8 19	23 45.05	+ 2 20.3	1.312	2.238	13.7	18.3
8 29	23 37.71	+ 1 57.9	1.286	2.261	8.9	18.1
9 8	23 28.88	+ 1 21.3	1.283	2.284	3.9	17.9
9 18	23 19.72	+ 0 36.4	1.305	2.307	2.7	17.9
9 28	23 11.50	− 0 9.1	1.353	2.330	7.2	18.2
10 8	23 5.23	− 0 48.3	1.426	2.354	11.6	18.5
10 18	23 1.52	− 1 16.2	1.520	2.378	15.3	18.8

472493 2015 CO_{11} 9 12.9 230°.30 0°.8/13.6 17

8 9	23 50.77	+ 0 5.7	1.653	2.506	15.5	21.4
8 19	23 45.67	− 0 9.0	1.573	2.499	11.9	21.2
8 29	23 38.22	− 0 38.5	1.515	2.492	7.6	20.9
9 8	23 29.13	− 1 19.2	1.482	2.484	2.9	20.6
9 18	23 19.35	− 2 5.8	1.475	2.477	2.4	20.6
9 28	23 10.09	− 2 51.5	1.495	2.468	7.1	20.9
10 8	23 2.42	− 3 29.9	1.541	2.460	11.6	21.1
10 18	22 57.12	− 3 56.3	1.609	2.451	15.4	21.3

7965 Katsuhiko 9 12.9 101°.28 10°.5/23.6 18 R

8 9	23 59.36	+25 48.3	1.983	2.668	18.7	17.1
8 19	23 51.82	+27 12.1	1.922	2.695	16.5	17.0
8 29	23 41.88	+28 9.0	1.880	2.722	14.2	16.8
9 8	23 30.31	+28 34.9	1.859	2.747	12.1	16.8
9 18	23 18.18	+28 28.6	1.862	2.772	10.7	16.7
9 28	23 6.74	+27 53.0	1.890	2.796	10.6	16.8
10 8	22 57.09	+26 55.6	1.943	2.820	11.7	16.9
10 18	22 49.95	+25 45.5	2.019	2.843	13.5	17.1

160527 1996 RE_{31} 9 12.9 297°.97 0°.9/14.6 18

8 9	23 39.49	+ 1 53.1	4.240	5.062	7.3	19.4
8 19	23 35.98	+ 1 42.8	4.148	5.055	5.6	19.3
8 29	23 31.67	+ 1 25.9	4.081	5.048	3.7	19.1
9 8	23 26.82	+ 1 4.2	4.043	5.041	1.7	19.0
9 18	23 21.77	+ 0 39.1	4.034	5.034	1.2	18.9
9 28	23 16.89	+ 0 13.1	4.055	5.027	3.1	19.1
10 8	23 12.53	− 0 11.7	4.105	5.021	5.0	19.2
10 18	23 8.98	− 0 33.2	4.182	5.014	6.9	19.3

449032 2012 CF_{16} 9 12.9 62°.10 2°.2/15.1 18

8 9	23 47.97	+ 3 37.4	2.185	3.013	13.1	20.9
8 19	23 42.91	+ 3 46.2	2.115	3.023	10.2	20.7
8 29	23 36.18	+ 3 42.4	2.067	3.032	6.8	20.5
9 8	23 28.36	+ 3 27.8	2.046	3.042	3.5	20.3
9 18	23 20.19	+ 3 5.4	2.052	3.052	2.5	20.3
9 28	23 12.49	+ 2 39.2	2.087	3.061	5.3	20.5
10 8	23 6.01	+ 2 13.6	2.149	3.071	8.6	20.7
10 18	23 1.29	+ 1 52.6	2.236	3.081	11.5	20.9

266872 2009 VA_{21} 9 12.9 33°.98 0°.9/12.2 16

8 9	23 46.01	− 2 24.1	1.149	2.037	18.4	20.1
8 19	23 42.47	− 3 9.6	1.105	2.052	13.6	19.9
8 29	23 36.29	− 4 11.8	1.081	2.068	8.3	19.6
9 8	23 28.44	− 5 22.8	1.079	2.085	2.6	19.3
9 18	23 20.18	− 6 32.7	1.101	2.102	3.5	19.5
9 28	23 12.89	− 7 31.6	1.148	2.120	8.8	19.8
10 8	23 7.70	− 8 12.7	1.216	2.139	13.6	20.2
10 18	23 5.21	− 8 32.9	1.304	2.159	17.5	20.5

271756 2004 RQ_{346} 9 12.9 15°.50 5°.8/17.2 18

8 9	23 41.72	+ 8 30.3	0.974	1.846	22.2	18.4
8 19	23 39.71	+ 9 0.3	0.929	1.856	17.8	18.2
8 29	23 34.81	+ 8 59.7	0.901	1.868	12.9	18.0
9 8	23 28.00	+ 8 29.8	0.891	1.882	8.1	17.8
9 18	23 20.61	+ 7 36.4	0.901	1.898	5.8	17.7
9 28	23 14.20	+ 6 30.0	0.934	1.915	8.6	18.0
10 8	23 10.01	+ 5 22.9	0.987	1.935	13.1	18.3
10 18	23 8.74	+ 4 25.1	1.060	1.957	17.4	18.6

378629 2008 FZ_{102} 9 12.9 259°.24 2°.6/10.5 18

8 9	23 46.98	− 5 51.8	1.554	2.432	15.0	20.9
8 19	23 42.93	− 7 2.6	1.482	2.425	11.1	20.7
8 29	23 36.56	− 8 26.5	1.432	2.417	6.7	20.4
9 8	23 28.58	− 9 55.7	1.407	2.410	2.9	20.1
9 18	23 19.95	−11 20.9	1.408	2.402	4.6	20.2
9 28	23 11.86	−12 32.9	1.436	2.394	9.0	20.5
10 8	23 5.39	−13 25.0	1.487	2.386	13.3	20.7
10 18	23 1.29	−13 54.2	1.560	2.378	17.0	20.9

284557 2007 SA_{13} 9 12.9 348°.32 2°.0/14.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 45.74	+ 1 15.4	1.338	2.208	17.4	20.3
8 19	23 42.31	+ 1 27.1	1.266	2.199	13.5	20.0
8 29	23 36.32	+ 1 21.9	1.214	2.192	8.9	19.7
9 8	23 28.53	+ 1 2.4	1.184	2.185	4.0	19.4
9 18	23 20.00	+ 0 33.2	1.178	2.180	2.8	19.3
9 28	23 12.06	+ 0 1.0	1.196	2.175	7.6	19.6
10 8	23 5.93	− 0 27.0	1.238	2.172	12.4	19.9
10 18	23 2.41	− 0 45.2	1.300	2.170	16.6	20.1

123658 2000 YX_{75} 9 12.9 225°.44 0°.5/12.3 18

8 9	23 45.81	− 3 15.5	2.575	3.424	10.7	20.6
8 19	23 41.19	− 3 46.9	2.489	3.416	8.0	20.4
8 29	23 35.10	− 4 26.5	2.428	3.408	4.9	20.2
9 8	23 28.02	− 5 11.1	2.394	3.399	1.6	20.0
9 18	23 20.55	− 5 56.4	2.390	3.390	2.0	20.0
9 28	23 13.39	− 6 38.2	2.415	3.380	5.4	20.2
10 8	23 7.20	− 7 12.5	2.467	3.370	8.5	20.4
10 18	23 2.47	− 7 36.5	2.544	3.360	11.2	20.6

273552 2007 BF_{63} 9 12.9 259°.43 0°.3/13.2 18

8 9	23 48.48	− 0 22.4	1.685	2.541	15.1	21.8
8 19	23 43.98	− 0 51.8	1.599	2.528	11.5	21.5
8 29	23 37.21	− 1 36.8	1.536	2.515	7.2	21.3
9 8	23 28.82	− 2 33.0	1.498	2.501	2.6	20.9
9 18	23 19.71	− 3 34.4	1.486	2.488	2.4	20.9
9 28	23 11.03	− 4 33.5	1.501	2.473	7.2	21.2
10 8	23 3.84	− 5 23.4	1.542	2.459	11.7	21.4
10 18	22 58.92	− 5 58.9	1.605	2.445	15.6	21.6

3414 Champollion 9 12.9 272°.56 2°.7/11.1 18

8 9	23 52.10	− 7 45.7	1.355	2.237	16.6	17.1
8 19	23 47.15	− 8 17.7	1.282	2.225	12.4	16.8
8 29	23 39.38	− 8 59.6	1.228	2.214	7.7	16.5
9 8	23 29.58	− 9 44.5	1.199	2.202	3.2	16.2
9 18	23 18.94	−10 24.4	1.195	2.191	4.7	16.3
9 28	23 8.93	−10 51.4	1.216	2.179	9.7	16.6
10 8	23 0.90	−11 0.5	1.260	2.167	14.5	16.8
10 18	22 55.74	−10 50.0	1.324	2.156	18.7	17.0

314314 2005 SX_{189} 9 12.9 284°.35 0°.3/12.6 18

8 9	23 45.37	− 2 11.2	2.103	2.959	12.5	21.5
8 19	23 41.19	− 2 42.3	2.018	2.947	9.4	21.3
8 29	23 35.26	− 3 24.4	1.956	2.936	5.8	21.1
9 8	23 28.12	− 4 13.7	1.920	2.924	1.9	20.8
9 18	23 20.47	− 5 5.2	1.912	2.913	2.2	20.8
9 28	23 13.18	− 5 53.3	1.932	2.901	6.2	21.0
10 8	23 7.04	− 6 32.9	1.979	2.890	9.8	21.2
10 18	23 2.68	− 7 0.5	2.049	2.878	13.0	21.4

376229 2011 EB_{40} 9 12.9 254°.79 2°.4/14.9 18

8 9	23 50.19	+ 3 51.9	1.755	2.591	15.4	21.2
8 19	23 45.25	+ 3 49.0	1.663	2.576	12.1	21.0
8 29	23 38.02	+ 3 29.2	1.592	2.560	8.2	20.7
9 8	23 29.11	+ 2 54.5	1.546	2.544	4.1	20.4
9 18	23 19.41	+ 2 8.8	1.527	2.527	2.8	20.3
9 28	23 10.07	+ 1 18.2	1.535	2.510	6.7	20.5
10 8	23 2.18	+ 0 29.7	1.569	2.492	11.1	20.7
10 18	22 56.55	− 0 10.6	1.626	2.474	15.0	21.0

252742 2002 DG_{19} 9 12.9 272°.05 0°.3/13.6 18

8 9	23 39.01	− 0 36.3	4.401	5.234	6.9	20.8
8 19	23 35.60	− 0 53.6	4.312	5.228	5.2	20.7
8 29	23 31.43	− 1 16.4	4.250	5.223	3.3	20.6
9 8	23 26.76	− 1 43.0	4.216	5.218	1.2	20.4
9 18	23 21.90	− 2 11.4	4.212	5.213	1.0	20.4
9 28	23 17.21	− 2 39.5	4.238	5.208	3.0	20.5
10 8	23 13.02	− 3 5.1	4.293	5.203	5.0	20.7
10 18	23 9.61	− 3 26.4	4.374	5.198	6.7	20.8

184745 2005 SD_{245} 9 12.9 118°.48 0°.2/12.7 18

8 9	23 46.79	− 2 16.5	2.398	3.245	11.5	21.3
8 19	23 41.87	− 2 48.1	2.333	3.258	8.5	21.1
8 29	23 35.47	− 3 28.6	2.293	3.271	5.2	20.9
9 8	23 28.13	− 4 14.2	2.280	3.284	1.7	20.7
9 18	23 20.52	− 5 0.7	2.295	3.296	1.9	20.7
9 28	23 13.36	− 5 43.3	2.341	3.308	5.4	21.0
10 8	23 7.31	− 6 18.3	2.413	3.320	8.5	21.2
10 18	23 2.83	− 6 42.9	2.510	3.331	11.2	21.4

152900 2000 DC_{27} 9 12.9 236°.16 0°.5/13.8 17

8 9	23 41.71	+ 0 23.0	3.538	4.369	8.5	21.0
8 19	23 37.79	+ 0 0.7	3.446	4.360	6.4	20.9
8 29	23 32.86	− 0 29.1	3.379	4.351	4.1	20.7
9 8	23 27.26	− 1 4.3	3.340	4.342	1.6	20.5
9 18	23 21.40	− 1 42.4	3.331	4.332	1.2	20.5
9 28	23 15.74	− 2 20.4	3.352	4.323	3.7	20.7
10 8	23 10.72	− 2 55.3	3.402	4.313	6.1	20.8
10 18	23 6.72	− 3 24.7	3.478	4.303	8.3	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
116297 2003 YR_{59}			9 12.9	96°.74	2°.0/11.4	17
	h m	° ′			°	m
8 9	23 51.69	− 6 2.5	1.480	2.354	15.8	20.1
8 19	23 46.28	− 6 44.1	1.427	2.367	11.7	19.9
8 29	23 38.50	− 7 35.7	1.396	2.380	7.1	19.6
9 8	23 29.19	− 8 30.3	1.389	2.393	2.6	19.4
9 18	23 19.49	− 9 20.5	1.409	2.406	3.9	19.5
9 28	23 10.62	− 9 59.3	1.455	2.418	8.4	19.8
10 8	23 3.64	−10 22.1	1.525	2.431	12.6	20.1
10 18	22 59.17	−10 27.1	1.617	2.443	16.1	20.4
136734 1995 VF_{6}			9 12.9	20°.41	5°.0/ 9.2	18
8 9	23 50.47	−12 53.6	1.328	2.220	16.1	20.0
8 19	23 45.74	−13 46.3	1.274	2.222	12.0	19.8
8 29	23 38.34	−14 42.8	1.240	2.225	7.8	19.6
9 8	23 29.18	−15 34.1	1.230	2.227	5.1	19.4
9 18	23 19.48	−16 11.4	1.245	2.230	6.9	19.5
9 28	23 10.65	−16 28.1	1.284	2.233	10.9	19.8
10 8	23 3.86	−16 21.7	1.346	2.237	15.0	20.0
10 18	22 59.84	−15 53.0	1.426	2.241	18.5	20.3
201120 2002 JF_{35}			9 12.9	78°.05	4°.7/ 8.6	16
8 9	23 49.76	−13 34.4	1.699	2.581	13.7	20.1
8 19	23 44.54	−14 38.9	1.656	2.599	10.2	19.9
8 29	23 37.28	−15 45.0	1.635	2.616	6.7	19.8
9 8	23 28.75	−16 44.8	1.641	2.634	4.7	19.7
9 18	23 19.95	−17 31.3	1.673	2.651	6.2	19.8
9 28	23 11.94	−17 59.4	1.731	2.669	9.4	20.0
10 8	23 5.59	−18 6.9	1.813	2.686	12.6	20.3
10 18	23 1.46	−17 54.5	1.916	2.703	15.4	20.5
211026 2002 AV_{70}			9 12.9	359°.32	5°.4/16.4	18
8 9	23 47.79	+ 7 4.0	1.079	1.941	21.3	19.5
8 19	23 44.35	+ 7 39.8	1.016	1.938	17.1	19.3
8 29	23 37.84	+ 7 50.0	0.970	1.937	12.3	19.0
9 8	23 29.11	+ 7 34.4	0.944	1.936	7.4	18.7
9 18	23 19.51	+ 6 56.5	0.940	1.936	5.4	18.6
9 28	23 10.69	+ 6 4.7	0.958	1.938	8.9	18.8
10 8	23 4.13	+ 5 9.9	0.998	1.940	13.8	19.1
10 18	23 0.74	+ 4 21.8	1.057	1.943	18.3	19.4
447242 2005 UK_{204}			9 12.9	304°.30	4°.9/18.2	17
8 9	23 43.32	+12 40.0	1.997	2.796	15.2	21.4
8 19	23 39.92	+12 35.4	1.896	2.775	12.5	21.2
8 29	23 34.63	+12 9.0	1.815	2.754	9.5	20.9
9 8	23 27.97	+11 20.7	1.757	2.733	6.5	20.7
9 18	23 20.65	+10 13.1	1.725	2.712	4.9	20.6
9 28	23 13.60	+ 8 51.8	1.720	2.692	6.4	20.6
10 8	23 7.70	+ 7 24.7	1.741	2.672	9.7	20.8
10 18	23 3.67	+ 5 59.9	1.786	2.652	13.0	20.9
262888 2007 CG_{13}			9 12.9	74°.93	2°.0/10.7	18
8 9	23 45.35	− 7 13.1	2.130	2.999	11.9	20.9
8 19	23 41.00	− 8 3.8	2.070	3.008	8.7	20.8
8 29	23 35.03	− 9 1.1	2.033	3.017	5.3	20.6
9 8	23 28.02	− 9 59.9	2.024	3.026	2.3	20.4
9 18	23 20.69	−10 54.4	2.042	3.036	3.5	20.5
9 28	23 13.86	−11 39.3	2.089	3.045	6.8	20.7
10 8	23 8.24	−12 10.9	2.161	3.054	10.0	20.9
10 18	23 4.34	−12 27.5	2.257	3.064	12.8	21.2
401244 2012 BR_{34}			9 12.9	209°.17	4°.5/18.1	18
8 9	23 46.53	+12 14.6	2.473	3.254	13.1	21.2
8 19	23 41.84	+12 29.3	2.385	3.252	10.8	21.0
8 29	23 35.57	+12 27.8	2.318	3.250	8.2	20.9
9 8	23 28.23	+12 10.2	2.277	3.247	5.7	20.7
9 18	23 20.44	+11 38.2	2.262	3.244	4.5	20.6
9 28	23 12.97	+10 55.5	2.276	3.241	5.6	20.7
10 8	23 6.52	+10 7.0	2.317	3.238	8.1	20.8
10 18	23 1.66	+ 9 18.1	2.384	3.235	10.7	21.0
515700 2014 QF_{189}			9 12.9	156°.61	1°.4/14.7	18
8 9	23 44.66	+ 3 15.4	2.540	3.368	11.5	21.6
8 19	23 40.31	+ 2 54.5	2.461	3.371	8.8	21.4
8 29	23 34.55	+ 2 21.6	2.405	3.373	5.8	21.2
9 8	23 27.86	+ 1 39.4	2.377	3.375	2.7	21.0
9 18	23 20.84	+ 0 51.2	2.376	3.377	1.8	20.9
9 28	23 14.16	+ 0 1.7	2.406	3.379	4.7	21.2
10 8	23 8.46	− 0 44.8	2.462	3.381	7.8	21.4
10 18	23 4.22	− 1 24.2	2.545	3.383	10.5	21.5
298151 2002 SJ_{72}			9 12.9	330°.96	1°.6/14.4	18
8 9	23 45.66	+ 2 48.3	1.723	2.573	15.1	21.2
8 19	23 41.73	+ 2 29.3	1.646	2.568	11.7	20.9
8 29	23 35.74	+ 1 53.5	1.591	2.564	7.7	20.7
9 8	23 28.33	+ 1 4.0	1.559	2.560	3.4	20.4
9 18	23 20.36	+ 0 6.1	1.554	2.556	2.3	20.4
9 28	23 12.86	− 0 53.3	1.576	2.552	6.5	20.6
10 8	23 6.79	− 1 47.0	1.623	2.549	10.6	20.9
10 18	23 2.83	− 2 29.8	1.693	2.546	14.3	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
152758 1999 JC_{33}			9 12.9	73°.85	3°.9/ 9.7	18
	h m	° ′			°	m
8 9	23 51.18	−11 21.4	1.558	2.439	14.8	19.6
8 19	23 45.73	−12 14.0	1.515	2.458	10.9	19.4
8 29	23 38.06	−13 10.3	1.493	2.477	6.8	19.3
9 8	23 29.03	−14 2.7	1.497	2.496	4.0	19.1
9 18	23 19.73	−14 43.9	1.527	2.514	5.6	19.3
9 28	23 11.31	−15 8.5	1.584	2.533	9.2	19.5
10 8	23 4.71	−15 13.9	1.664	2.551	12.8	19.8
10 18	23 0.50	−15 0.5	1.765	2.570	15.9	20.0
221358 2005 WN_{140}			9 12.9	311°.15	4°.0/17.3	18
8 9	23 45.67	+ 9 56.0	2.197	3.000	13.9	20.4
8 19	23 41.37	+10 5.1	2.111	2.996	11.2	20.2
8 29	23 35.36	+ 9 57.2	2.047	2.992	8.3	20.0
9 8	23 28.18	+ 9 33.1	2.008	2.989	5.4	19.8
9 18	23 20.52	+ 8 55.1	1.995	2.985	4.1	19.7
9 28	23 13.21	+ 8 7.5	2.010	2.981	5.8	19.8
10 8	23 7.03	+ 7 16.1	2.052	2.978	8.7	20.0
10 18	23 2.58	+ 6 26.6	2.119	2.975	11.6	20.2
267021 1995 VC_{11}			9 12.9	295°.34	1°.0/13.8	18
8 9	23 45.82	+ 2 1.8	1.438	2.301	16.8	20.6
8 19	23 42.42	+ 1 27.7	1.349	2.280	13.0	20.3
8 29	23 36.50	+ 0 32.2	1.281	2.259	8.4	20.0
9 8	23 28.68	− 0 41.0	1.235	2.238	3.3	19.6
9 18	23 19.94	− 2 4.7	1.215	2.217	2.6	19.5
9 28	23 11.58	− 3 29.1	1.220	2.196	7.9	19.8
10 8	23 4.85	− 4 44.0	1.250	2.176	13.0	20.0
10 18	23 0.66	− 5 41.9	1.300	2.156	17.5	20.3
96929 1999 TW_{128}			9 12.9	276°.56	1°.0/13.8	18
8 9	23 47.97	+ 0 50.5	1.832	2.681	14.4	20.1
8 19	23 43.49	+ 0 35.2	1.741	2.664	11.1	19.8
8 29	23 36.89	+ 0 5.6	1.671	2.647	7.2	19.6
9 8	23 28.75	− 0 35.6	1.627	2.629	2.9	19.3
9 18	23 19.91	− 1 23.5	1.610	2.611	2.2	19.2
9 28	23 11.42	− 2 12.1	1.620	2.594	6.6	19.4
10 8	23 4.28	− 2 54.9	1.656	2.576	10.8	19.6
10 18	22 59.22	− 3 27.2	1.715	2.558	14.6	19.8
295449 2008 OX_{22}			9 12.9	341°.82	0°.8/14.3	16
8 9	23 39.90	+ 1 12.5	3.918	4.745	7.8	20.9
8 19	23 36.36	+ 1 1.1	3.831	4.742	5.9	20.8
8 29	23 31.95	+ 0 43.2	3.770	4.740	3.8	20.6
9 8	23 26.98	+ 0 20.2	3.737	4.737	1.7	20.5
9 18	23 21.79	− 0 5.9	3.733	4.735	1.2	20.4
9 28	23 16.80	− 0 32.6	3.760	4.732	3.3	20.6
10 8	23 12.39	− 0 57.6	3.815	4.730	5.4	20.7
10 18	23 8.86	− 1 18.7	3.896	4.728	7.3	20.9
271660 2004 RG_{23}			9 12.9	99°.53	1°.3/11.7	18
8 9	23 47.70	− 3 40.6	1.675	2.543	14.6	20.6
8 19	23 43.16	− 4 35.6	1.615	2.552	10.8	20.4
8 29	23 36.54	− 5 42.8	1.578	2.561	6.5	20.1
9 8	23 28.57	− 6 55.6	1.565	2.570	2.2	19.9
9 18	23 20.19	− 8 6.7	1.580	2.579	3.2	20.0
9 28	23 12.45	− 9 8.4	1.622	2.587	7.6	20.3
10 8	23 6.26	− 9 55.1	1.689	2.596	11.5	20.5
10 18	23 2.24	−10 23.8	1.779	2.604	14.9	20.8
488337 2016 VZ_{8}			9 12.9	341°.57	3°.8/ 9.7	18
8 9	23 47.03	−10 44.8	1.550	2.437	14.5	20.7
8 19	23 42.94	−11 34.3	1.485	2.432	10.8	20.5
8 29	23 36.56	−12 29.8	1.442	2.427	6.8	20.2
9 8	23 28.62	−13 24.0	1.423	2.423	3.9	20.0
9 18	23 20.13	−14 9.1	1.430	2.419	5.6	20.1
9 28	23 12.26	−14 38.5	1.462	2.415	9.5	20.4
10 8	23 6.04	−14 48.2	1.518	2.412	13.4	20.6
10 18	23 2.18	−14 37.6	1.594	2.409	16.8	20.8
98784 2000 YU_{93}			9 12.9	179°.63	3°.6/ 9.2	18
8 9	23 48.87	−11 37.1	1.982	2.855	12.4	19.9
8 19	23 43.82	−12 35.5	1.916	2.856	9.2	19.7
8 29	23 36.89	−13 38.1	1.875	2.857	5.9	19.5
9 8	23 28.70	−14 38.4	1.860	2.857	3.7	19.4
9 18	23 20.08	−15 29.7	1.873	2.857	5.1	19.5
9 28	23 12.00	−16 6.7	1.914	2.856	8.4	19.7
10 8	23 5.29	−16 26.1	1.980	2.855	11.6	19.9
10 18	23 0.56	−16 27.2	2.067	2.854	14.4	20.1
268901 2007 BA_{57}			9 12.9	167°.93	1°.6/11.4	17
8 9	23 50.39	− 5 44.9	1.927	2.788	13.3	21.5
8 19	23 44.97	− 6 27.3	1.858	2.792	9.8	21.3
8 29	23 37.60	− 7 18.5	1.813	2.795	6.0	21.1
9 8	23 28.94	− 8 13.2	1.794	2.798	2.2	20.9
9 18	23 19.84	− 9 5.1	1.804	2.801	3.3	20.9
9 28	23 11.29	− 9 48.4	1.842	2.802	7.2	21.2
10 8	23 4.16	−10 18.7	1.905	2.804	10.9	21.4
10 18	22 59.07	−10 33.8	1.992	2.804	14.0	21.6

477024 2008 YY_{169} 9 12.9 322°.71 1°.5/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 46.11	+ 0 32.4	1.391	2.260	16.9	21.2
8 19	23 42.72	+ 0 35.4	1.304	2.238	13.1	20.9
8 29	23 36.74	+ 0 21.9	1.237	2.216	8.6	20.6
9 8	23 28.79	− 0 5.4	1.192	2.194	3.6	20.2
9 18	23 19.90	− 0 41.9	1.172	2.174	2.7	20.1
9 28	23 11.40	− 1 20.4	1.176	2.154	7.9	20.4
10 8	23 4.58	− 1 53.4	1.204	2.136	12.9	20.6
10 18	23 0.40	− 2 14.9	1.252	2.118	17.4	20.8

471256 2011 CU_{16} 9 12.9 261°.38 1°.9/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.61	− 4 30.3	1.652	2.523	14.6	21.5
8 19	23 43.41	− 5 34.5	1.568	2.507	10.9	21.3
8 29	23 36.94	− 6 53.2	1.506	2.490	6.7	21.0
9 8	23 28.80	− 8 19.7	1.469	2.474	2.5	20.7
9 18	23 19.92	− 9 45.4	1.460	2.456	3.9	20.7
9 28	23 11.45	−11 1.1	1.478	2.439	8.5	21.0
10 8	23 4.48	−11 59.7	1.520	2.421	12.9	21.2
10 18	22 59.79	−12 37.1	1.583	2.403	16.7	21.4

453464 2009 SK_{111} 9 12.9 22°.16 2°.2/15.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.59	+ 4 4.6	2.000	2.836	13.8	21.2
8 19	23 41.36	+ 4 1.7	1.928	2.840	10.8	21.0
8 29	23 35.36	+ 3 44.3	1.877	2.844	7.2	20.8
9 8	23 28.19	+ 3 14.5	1.852	2.849	3.7	20.6
9 18	23 20.61	+ 2 36.1	1.854	2.853	2.5	20.5
9 28	23 13.49	+ 1 54.2	1.883	2.859	5.6	20.7
10 8	23 7.63	+ 1 14.3	1.939	2.864	9.2	20.9
10 18	23 3.59	+ 0 40.9	2.018	2.870	12.3	21.2

74087 1998 OS_{13} 9 12.9 324°.66 5°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.17	+ 7 37.3	1.507	2.339	17.8	18.8
8 19	23 45.68	+ 8 37.9	1.418	2.321	14.5	18.5
8 29	23 38.55	+ 9 21.8	1.349	2.303	10.8	18.2
9 8	23 29.41	+ 9 47.0	1.302	2.286	7.2	18.0
9 18	23 19.27	+ 9 53.4	1.280	2.270	5.8	17.9
9 28	23 9.48	+ 9 44.2	1.283	2.254	8.2	18.0
10 8	23 1.34	+ 9 25.6	1.310	2.240	12.2	18.2
10 18	22 55.83	+ 9 4.5	1.358	2.226	16.2	18.4

337256 2000 SP_{86} 9 12.9 317°.62 4°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.85	−11 17.6	1.442	2.334	15.1	19.7
8 19	23 43.08	−12 15.8	1.370	2.320	11.3	19.4
8 29	23 36.82	−13 21.2	1.320	2.306	7.2	19.1
9 8	23 28.78	−14 25.4	1.294	2.292	4.5	19.0
9 18	23 20.00	−15 19.3	1.293	2.279	6.4	19.0
9 28	23 11.80	−15 54.9	1.316	2.267	10.5	19.2
10 8	23 5.34	−16 7.7	1.362	2.255	14.7	19.5
10 18	23 1.43	−15 56.8	1.427	2.243	18.4	19.7

139067 2001 FC_{9} 9 12.9 88°.47 5°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.29	+10 28.6	1.525	2.343	18.2	19.7
8 19	23 45.31	+10 35.1	1.464	2.357	14.7	19.5
8 29	23 37.98	+10 17.3	1.422	2.372	10.7	19.3
9 8	23 29.11	+ 9 36.6	1.403	2.387	6.8	19.1
9 18	23 19.75	+ 8 37.3	1.409	2.401	5.0	19.1
9 28	23 11.13	+ 7 27.0	1.441	2.415	7.2	19.2
10 8	23 4.29	+ 6 15.0	1.499	2.429	10.9	19.5
10 18	22 59.92	+ 5 9.2	1.579	2.443	14.5	19.7

508539 2016 ST_{32} 9 12.9 102°.09 4°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.21	−12 59.8	1.798	2.679	13.1	20.8
8 19	23 43.49	−14 2.4	1.739	2.682	9.8	20.6
8 29	23 36.74	−15 8.4	1.704	2.685	6.4	20.4
9 8	23 28.67	−16 10.0	1.694	2.688	4.4	20.3
9 18	23 20.18	−17 0.4	1.711	2.691	5.9	20.4
9 28	23 12.30	−17 33.6	1.754	2.694	9.2	20.6
10 8	23 5.92	−17 46.9	1.822	2.696	12.5	20.8
10 18	23 1.66	−17 40.1	1.910	2.699	15.4	21.0

306176 2010 TH_{138} 9 12.9 63°.40 3°.1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.99	+ 5 26.5	1.279	2.131	19.2	20.8
8 19	23 45.37	+ 5 20.8	1.225	2.145	14.9	20.6
8 29	23 38.13	+ 4 51.9	1.190	2.159	10.1	20.4
9 8	23 29.17	+ 4 3.2	1.177	2.174	5.2	20.2
9 18	23 19.71	+ 3 1.2	1.188	2.189	3.5	20.1
9 28	23 11.14	+ 1 55.0	1.225	2.203	7.6	20.4
10 8	23 4.61	+ 0 54.0	1.286	2.218	12.2	20.7
10 18	23 0.83	+ 0 5.3	1.367	2.233	16.2	21.0

195423 2002 GQ_{46} 9 12.9 106°.66 2°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.56	− 7 42.1	1.778	2.647	13.8	20.7
8 19	23 45.20	− 8 13.7	1.717	2.655	10.2	20.4
8 29	23 37.77	− 8 52.1	1.678	2.662	6.2	20.2
9 8	23 29.01	− 9 31.8	1.666	2.669	2.5	20.0
9 18	23 19.86	−10 7.0	1.681	2.676	3.7	20.1
9 28	23 11.35	−10 32.2	1.723	2.683	7.7	20.4
10 8	23 4.41	−10 44.0	1.790	2.690	11.4	20.6
10 18	22 59.64	−10 40.8	1.880	2.696	14.6	20.8

324100 2005 WD_{195} 9 12.9 235°.18 3°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 44.88	+12 29.5	2.874	3.647	11.6	21.6
8 19	23 40.49	+12 19.7	2.770	3.633	9.5	21.4
8 29	23 34.72	+11 54.3	2.688	3.619	7.2	21.3
9 8	23 28.00	+11 14.0	2.631	3.604	4.9	21.1
9 18	23 20.85	+10 20.8	2.603	3.589	3.7	21.0
9 28	23 13.92	+ 9 18.6	2.605	3.573	4.9	21.1
10 8	23 7.82	+ 8 12.1	2.635	3.556	7.2	21.2
10 18	23 3.05	+ 7 6.6	2.691	3.539	9.7	21.3

180898 2005 JQ_{162} 9 12.9 320°.37 0°.2/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.22	+ 0 35.0	1.331	2.204	17.3	20.3
8 19	23 41.97	− 0 12.0	1.258	2.196	13.2	20.1
8 29	23 36.18	− 1 20.2	1.206	2.188	8.3	19.8
9 8	23 28.59	− 2 43.6	1.177	2.181	2.9	19.4
9 18	23 20.25	− 4 13.3	1.172	2.174	2.8	19.4
9 28	23 12.50	− 5 38.4	1.193	2.168	8.3	19.7
10 8	23 6.53	− 6 49.1	1.237	2.162	13.3	20.0
10 18	23 3.17	− 7 39.4	1.301	2.156	17.6	20.3

480115 2015 FN_{76} 9 12.9 50°.49 2°.4/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.15	+ 7 40.9	1.486	2.328	17.5	20.9
8 19	23 40.70	+ 6 43.9	1.429	2.344	13.6	20.7
8 29	23 35.11	+ 5 21.7	1.392	2.360	9.2	20.5
9 8	23 28.14	+ 3 39.7	1.379	2.377	4.6	20.3
9 18	23 20.78	+ 1 46.7	1.392	2.393	2.8	20.2
9 28	23 14.11	− 0 6.4	1.432	2.411	6.7	20.5
10 8	23 9.08	− 1 49.2	1.497	2.428	11.0	20.8
10 18	23 6.29	− 3 14.3	1.586	2.446	14.7	21.1

209187 2003 US_{195} 9 12.9 300°.41 3°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.91	−11 5.5	1.704	2.586	13.7	20.3
8 19	23 43.50	−11 55.0	1.631	2.575	10.2	20.1
8 29	23 36.90	−12 50.3	1.581	2.564	6.5	19.8
9 8	23 28.79	−13 44.3	1.555	2.554	3.8	19.7
9 18	23 20.08	−14 29.8	1.557	2.544	5.4	19.7
9 28	23 11.88	−15 0.3	1.584	2.534	9.1	19.9
10 8	23 5.21	−15 12.2	1.635	2.524	12.9	20.1
10 18	23 0.78	−15 4.3	1.707	2.514	16.2	20.3

170175 2003 KE_{9} 9 12.9 57°.60 5°.4/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.68	−10 36.1	1.102	2.002	18.0	19.2
8 19	23 45.30	−12 9.1	1.068	2.022	13.2	18.9
8 29	23 38.08	−13 48.6	1.055	2.042	8.4	18.7
9 8	23 29.13	−15 21.8	1.064	2.062	5.4	18.6
9 18	23 19.85	−16 36.7	1.098	2.083	7.5	18.8
9 28	23 11.75	−17 24.8	1.154	2.104	11.8	19.1
10 8	23 5.96	−17 43.5	1.232	2.125	15.9	19.5
10 18	23 3.10	−17 34.3	1.328	2.146	19.4	19.8

260311 2004 TD_{137} 9 12.9 299°.88 0°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.74	− 2 36.9	2.174	3.025	12.3	20.0
8 19	23 42.91	− 2 43.2	2.091	3.018	9.3	19.8
8 29	23 36.33	− 2 58.3	2.032	3.010	5.8	19.6
9 8	23 28.56	− 3 19.3	1.999	3.003	2.0	19.3
9 18	23 20.32	− 3 42.4	1.994	2.996	2.0	19.3
9 28	23 12.47	− 4 3.6	2.018	2.988	5.8	19.6
10 8	23 5.79	− 4 19.0	2.068	2.981	9.4	19.8
10 18	23 0.87	− 4 25.6	2.142	2.974	12.5	20.0

6003 1988 VO_{1} 9 12.9 42°.56 3°.9/16.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.69	+ 7 59.8	1.277	2.125	19.4	16.5
8 19	23 42.98	+ 7 48.6	1.219	2.134	15.4	16.3
8 29	23 36.71	+ 7 10.9	1.179	2.144	10.8	16.1
9 8	23 28.73	+ 6 9.5	1.161	2.155	6.1	15.9
9 18	23 20.19	+ 4 51.1	1.167	2.166	4.1	15.8
9 28	23 12.44	+ 3 26.0	1.198	2.177	7.5	16.0
10 8	23 6.63	+ 2 4.9	1.253	2.189	12.1	16.3
10 18	23 3.47	+ 0 56.5	1.328	2.201	16.1	16.6

26832 1990 QT_{6} 9 12.9 90°.37 0°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.14	− 2 14.1	1.552	2.414	15.8	18.7
8 19	23 45.80	− 2 43.2	1.497	2.430	11.8	18.5
8 29	23 38.20	− 3 25.3	1.464	2.445	7.3	18.3
9 8	23 29.17	− 4 14.9	1.456	2.460	2.4	18.0
9 18	23 19.76	− 5 5.5	1.474	2.475	2.6	18.1
9 28	23 11.14	− 5 50.1	1.520	2.490	7.4	18.4
10 8	23 4.29	− 6 23.1	1.590	2.505	11.6	18.7
10 18	22 59.83	− 6 41.5	1.682	2.519	15.1	19.0

353743 2011 YN_{40} 9 12.9 287°.31 1°.9/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.00	−12 18.9	4.338	5.203	6.4	20.7
8 19	23 35.66	−12 55.0	4.260	5.196	4.7	20.5
8 29	23 31.53	−13 32.4	4.209	5.189	3.0	20.4
9 8	23 26.88	−14 8.7	4.187	5.183	1.9	20.3
9 18	23 22.05	−14 41.3	4.194	5.176	2.6	20.4
9 28	23 17.40	−15 8.0	4.231	5.169	4.3	20.5
10 8	23 13.27	−15 27.1	4.295	5.162	6.0	20.6
10 18	23 9.94	−15 37.6	4.385	5.156	7.6	20.7

331155 2010 XL_{32} 9 12.9 320°.09 7°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 49.55	−24 15.3	1.877	2.756	12.7	20.2
8 19	23 44.63	−25 13.9	1.812	2.742	10.3	20.0
8 29	23 37.54	−26 6.0	1.770	2.728	8.3	19.9
9 8	23 28.99	−26 43.7	1.753	2.715	7.9	19.8
9 18	23 19.92	−27 0.5	1.761	2.702	9.3	19.9
9 28	23 11.44	−26 52.3	1.793	2.689	11.7	20.0
10 8	23 4.53	−26 18.9	1.848	2.677	14.4	20.2
10 18	22 59.86	−25 22.8	1.922	2.665	16.9	20.3

473584 2015 XQ_{236} 9 12.9 291°.62 1°.9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.19	+ 4 27.8	2.368	3.196	12.2	21.9
8 19	23 40.18	+ 4 14.0	2.278	3.186	9.5	21.7
8 29	23 34.62	+ 3 46.7	2.211	3.176	6.5	21.5
9 8	23 27.99	+ 3 8.0	2.169	3.166	3.3	21.3
9 18	23 20.91	+ 2 21.2	2.156	3.156	2.2	21.2
9 28	23 14.14	+ 1 30.9	2.171	3.146	5.1	21.4
10 8	23 8.37	+ 0 42.4	2.213	3.136	8.3	21.6
10 18	23 4.14	+ 0 0.1	2.281	3.127	11.3	21.8

402440 2006 BE_{31} 9 12.9 359°.97 3°.7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.62	−11 36.1	2.160	3.039	11.3	20.8
8 19	23 39.82	−12 52.2	2.096	3.039	8.3	20.6
8 29	23 34.40	−14 12.8	2.056	3.039	5.4	20.4
9 8	23 27.90	−15 31.3	2.044	3.039	3.7	20.3
9 18	23 21.03	−16 41.1	2.059	3.039	5.1	20.4
9 28	23 14.58	−17 36.4	2.102	3.039	8.1	20.6
10 8	23 9.28	−18 13.7	2.170	3.039	11.0	20.8
10 18	23 5.66	−18 31.8	2.259	3.040	13.6	21.0

434011 2000 YU_{140} 9 12.9 29°.17 1°.9/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.99	− 9 16.1	1.172	2.058	18.3	19.3
8 19	23 49.82	− 8 50.3	1.130	2.075	13.6	19.0
8 29	23 40.79	− 8 29.4	1.109	2.094	8.3	18.8
9 8	23 30.03	− 8 8.8	1.110	2.115	3.0	18.6
9 18	23 19.01	− 7 44.4	1.137	2.136	3.9	18.7
9 28	23 9.27	− 7 13.0	1.188	2.159	9.0	19.0
10 8	23 1.96	− 6 33.0	1.263	2.182	13.5	19.4
10 18	22 57.71	− 5 44.2	1.358	2.206	17.4	19.7

225209 2008 OT_{20} 9 12.9 312°.66 0°.7/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 39.88	+ 0 52.2	4.159	4.986	7.4	20.6
8 19	23 36.32	+ 0 40.1	4.072	4.983	5.6	20.5
8 29	23 31.94	+ 0 21.9	4.011	4.981	3.6	20.3
9 8	23 27.03	− 0 1.0	3.978	4.978	1.5	20.2
9 18	23 21.93	− 0 26.5	3.974	4.976	1.1	20.1
9 28	23 17.01	− 0 52.5	4.001	4.973	3.1	20.3
10 8	23 12.62	− 1 16.7	4.057	4.971	5.1	20.5
10 18	23 9.07	− 1 37.1	4.139	4.969	7.0	20.6

283834 2003 UY_{31} 9 12.9 236°.00 2°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.10	+ 6 3.5	2.310	3.128	12.8	21.3
8 19	23 41.70	+ 5 26.6	2.212	3.114	10.0	21.1
8 29	23 35.61	+ 4 32.9	2.137	3.100	6.8	20.9
9 8	23 28.35	+ 3 25.0	2.089	3.085	3.4	20.7
9 18	23 20.56	+ 2 7.3	2.069	3.069	2.2	20.6
9 28	23 13.06	+ 0 45.7	2.079	3.053	5.3	20.7
10 8	23 6.59	− 0 33.0	2.116	3.036	8.8	20.9
10 18	23 1.77	− 1 43.2	2.179	3.019	12.0	21.1

478649 2012 TA_{228} 9 12.9 292°.27 1°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.45	+ 5 58.2	1.679	2.521	15.8	21.4
8 19	23 40.28	+ 5 0.8	1.588	2.505	12.3	21.1
8 29	23 35.01	+ 3 39.0	1.518	2.489	8.2	20.9
9 8	23 28.20	+ 1 56.8	1.473	2.473	3.8	20.6
9 18	23 20.70	+ 0 1.4	1.455	2.457	2.4	20.4
9 28	23 13.57	− 1 56.9	1.464	2.441	6.8	20.7
10 8	23 7.81	− 3 47.3	1.499	2.425	11.3	20.9
10 18	23 4.18	− 5 21.2	1.557	2.409	15.3	21.1

233407 2006 GS_4 9 12.9 219°.58 1°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.91	− 5 47.9	1.882	2.749	13.3	21.0
8 19	23 43.27	− 6 35.6	1.808	2.745	9.9	20.8
8 29	23 36.66	− 7 32.8	1.758	2.741	6.0	20.6
9 8	23 28.70	− 8 34.1	1.733	2.737	2.3	20.3
9 18	23 20.25	− 9 32.8	1.736	2.732	3.5	20.4
9 28	23 12.27	−10 22.5	1.767	2.728	7.4	20.7
10 8	23 5.66	−10 58.3	1.823	2.723	11.2	20.9
10 18	23 1.07	−11 17.6	1.902	2.717	14.5	21.1

394871 2008 TH_{181} 9 12.9 243°.30 6°.8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 50.47	−22 17.1	2.187	3.059	11.5	22.2
8 19	23 45.12	−23 36.3	2.115	3.043	9.1	22.1
8 29	23 37.79	−24 52.6	2.067	3.026	7.3	21.9
9 8	23 29.09	−25 58.1	2.046	3.008	6.9	21.9
9 18	23 19.84	−26 45.9	2.051	2.990	8.3	21.9
9 28	23 11.00	−27 11.2	2.083	2.971	10.7	22.0
10 8	23 3.48	−27 12.5	2.138	2.952	13.3	22.2
10 18	22 57.95	−26 50.9	2.214	2.932	15.6	22.3

226519 2003 UW_{61} 9 12.9 334°.28 3°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 43.45	− 9 31.9	1.945	2.826	12.3	19.6
8 19	23 39.91	−10 29.8	1.872	2.816	9.1	19.4
8 29	23 34.58	−11 34.5	1.822	2.807	5.7	19.2
9 8	23 28.01	−12 39.7	1.799	2.799	3.1	19.0
9 18	23 20.97	−13 38.6	1.803	2.791	4.6	19.1
9 28	23 14.35	−14 25.1	1.833	2.784	8.0	19.3
10 8	23 8.98	−14 55.0	1.888	2.777	11.4	19.5
10 18	23 5.45	−15 6.4	1.964	2.770	14.4	19.7

398214 2010 NY_{106} 9 12.9 20°.77 0°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 42.95	+ 1 53.4	1.827	2.681	14.2	20.8
8 19	23 39.55	+ 1 1.3	1.758	2.685	10.7	20.5
8 29	23 34.34	− 0 7.4	1.711	2.689	6.8	20.3
9 8	23 27.93	− 1 27.7	1.690	2.693	2.5	20.1
9 18	23 21.09	− 2 52.9	1.695	2.697	2.0	20.0
9 28	23 14.73	− 4 15.1	1.729	2.703	6.3	20.3
10 8	23 9.68	− 5 27.1	1.788	2.708	10.2	20.6
10 18	23 6.51	− 6 24.0	1.870	2.714	13.5	20.8

162298 1999 VZ_{174} 9 12.9 60°.59 5°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.52	+13 14.9	1.705	2.509	17.2	19.5
8 19	23 41.63	+13 3.9	1.637	2.519	14.1	19.3
8 29	23 35.69	+12 27.5	1.588	2.529	10.5	19.1
9 8	23 28.39	+11 27.1	1.562	2.539	7.0	18.9
9 18	23 20.64	+10 7.3	1.561	2.549	5.2	18.8
9 28	23 13.46	+ 8 35.7	1.586	2.560	6.8	18.9
10 8	23 7.77	+ 7 1.9	1.638	2.571	10.0	19.2
10 18	23 4.20	+ 5 34.3	1.713	2.581	13.4	19.4

447699 2007 DQ_{55} 9 12.9 153°.84 1°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.41	− 5 48.1	2.492	3.346	10.8	21.4
8 19	23 42.38	− 6 13.0	2.420	3.350	8.0	21.2
8 29	23 35.88	− 6 44.1	2.373	3.354	4.9	21.0
9 8	23 28.41	− 7 17.6	2.353	3.357	1.7	20.8
9 18	23 20.63	− 7 49.8	2.363	3.361	2.4	20.9
9 28	23 13.25	− 8 16.5	2.402	3.364	5.6	21.1
10 8	23 6.93	− 8 34.9	2.468	3.367	8.7	21.3
10 18	23 2.16	− 8 42.8	2.558	3.369	11.3	21.5

515217 2012 BL_4 9 12.9 119°.59 3°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.66	+ 9 32.1	2.317	3.117	13.3	21.1
8 19	23 41.99	+ 9 37.2	2.239	3.122	10.7	20.9
8 29	23 35.72	+ 9 26.2	2.182	3.127	7.8	20.7
9 8	23 28.38	+ 9 0.2	2.151	3.132	5.0	20.6
9 18	23 20.65	+ 8 21.8	2.147	3.137	3.7	20.5
9 28	23 13.30	+ 7 35.3	2.171	3.142	5.4	20.6
10 8	23 7.07	+ 6 46.0	2.223	3.147	8.2	20.8
10 18	23 2.49	+ 5 59.0	2.299	3.151	11.0	21.0

479681 2014 DV_{85} 9 12.9 210°.71 0°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.42	− 0 45.5	2.020	2.866	13.3	21.5
8 19	23 44.30	− 1 2.6	1.939	2.862	10.1	21.3
8 29	23 37.27	− 1 31.2	1.882	2.858	6.4	21.0
9 8	23 28.94	− 2 8.1	1.850	2.854	2.3	20.8
9 18	23 20.10	− 2 48.8	1.847	2.849	2.0	20.7
9 28	23 11.70	− 3 28.0	1.872	2.843	6.1	21.0
10 8	23 4.59	− 4 0.7	1.924	2.838	9.9	21.2
10 18	22 59.41	− 4 23.2	1.999	2.832	13.2	21.4

206768 2004 CT_{43} 9 12.9 223°.83 2°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.99	− 8 27.0	2.131	2.994	12.1	20.3
8 19	23 44.62	− 8 53.1	2.054	2.989	9.0	20.0
8 29	23 37.41	− 9 24.7	2.001	2.983	5.5	19.8
9 8	23 28.98	− 9 57.0	1.974	2.977	2.4	19.6
9 18	23 20.08	−10 25.4	1.977	2.971	3.4	19.7
9 28	23 11.64	−10 45.4	2.007	2.964	6.9	19.9
10 8	23 4.46	−10 53.7	2.064	2.958	10.4	20.1
10 18	22 59.15	−10 48.9	2.144	2.951	13.3	20.3

130872 2000 VQ_2 9 12.9 252°.49 0°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 47.30	+ 1 21.0	1.991	2.835	13.6	20.5
8 19	23 42.86	+ 0 45.5	1.898	2.819	10.4	20.3
8 29	23 36.48	− 0 5.2	1.828	2.803	6.7	20.1
9 8	23 28.71	− 1 7.7	1.784	2.786	2.6	19.8
9 18	23 20.31	− 2 16.7	1.767	2.769	2.0	19.7
9 28	23 12.23	− 3 25.3	1.779	2.751	6.3	19.9
10 8	23 5.37	− 4 26.8	1.817	2.733	10.3	20.1
10 18	23 0.42	− 5 16.2	1.879	2.715	13.8	20.3

371465 2006 SE_{397} 9 12.9 281°.46 0°.9/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.33	− 2 49.3	1.507	2.378	15.8	22.0
8 19	23 44.24	− 3 28.8	1.421	2.359	11.9	21.7
8 29	23 37.63	− 4 23.9	1.356	2.339	7.4	21.4
9 8	23 29.17	− 5 29.4	1.315	2.320	2.4	21.1
9 18	23 19.83	− 6 37.5	1.300	2.300	3.2	21.1
9 28	23 10.90	− 7 39.4	1.311	2.281	8.4	21.4
10 8	23 3.59	− 8 27.4	1.346	2.261	13.2	21.6
10 18	22 58.80	− 8 56.8	1.402	2.241	17.4	21.8

440185 2004 CP_{87} 9 12.9 257°.06 5°.1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 47.63	−15 55.0	2.067	2.946	11.8	21.7
8 19	23 43.04	−17 8.5	1.992	2.932	8.9	21.5
8 29	23 36.54	−18 24.0	1.942	2.917	6.3	21.3
9 8	23 28.71	−19 34.2	1.917	2.903	5.1	21.3
9 18	23 20.35	−20 32.0	1.921	2.888	6.6	21.3
9 28	23 12.38	−21 11.7	1.951	2.873	9.5	21.5
10 8	23 5.69	−21 30.2	2.005	2.857	12.5	21.6
10 18	23 0.93	−21 27.2	2.080	2.841	15.2	21.8

117522 2005 CB_{52} 9 12.9 118°.29 1°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 51.76	+ 1 24.0	1.628	2.475	15.9	20.9
8 19	23 46.24	+ 0 57.4	1.568	2.490	12.1	20.7
8 29	23 38.51	+ 0 14.9	1.529	2.504	7.7	20.5
9 8	23 29.35	− 0 39.3	1.516	2.518	3.0	20.2
9 18	23 19.77	− 1 38.9	1.529	2.531	2.3	20.2
9 28	23 10.92	− 2 36.5	1.570	2.544	6.8	20.5
10 8	23 3.77	− 3 25.5	1.637	2.556	11.0	20.8
10 18	22 58.97	− 4 1.5	1.727	2.568	14.6	21.1

473912 2016 EX_{150} 9 12.9 92°.09 0°.4/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.34	− 0 34.9	1.300	2.172	17.7	21.5
8 19	23 44.93	− 1 28.1	1.244	2.181	13.3	21.2
8 29	23 37.92	− 2 40.1	1.207	2.190	8.2	21.0
9 8	23 29.19	− 4 3.6	1.195	2.199	2.7	20.7
9 18	23 19.93	− 5 29.0	1.207	2.209	3.0	20.7
9 28	23 11.49	− 6 45.8	1.246	2.218	8.4	21.1
10 8	23 5.04	− 7 46.0	1.308	2.227	13.2	21.4
10 18	23 1.27	− 8 25.1	1.390	2.235	17.2	21.7

137456 1999 TF_{288} 9 12.9 261°.93 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.76	− 3 13.3	1.661	2.525	14.9	20.7
8 19	23 45.10	− 3 51.5	1.573	2.507	11.3	20.5
8 29	23 38.07	− 4 43.6	1.506	2.488	7.0	20.2
9 8	23 29.30	− 5 44.5	1.464	2.469	2.3	19.8
9 18	23 19.72	− 6 47.2	1.450	2.449	3.1	19.9
9 28	23 10.52	− 7 43.9	1.462	2.429	7.9	20.1
10 8	23 2.83	− 8 27.8	1.499	2.409	12.5	20.3
10 18	22 57.49	− 8 54.7	1.558	2.388	16.4	20.5

160487 2007 BL_{20} 9 12.9 191°.22 1°.3/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.52	− 4 27.4	1.887	2.747	13.5	21.2
8 19	23 44.46	− 5 12.5	1.813	2.746	10.1	20.9
8 29	23 37.41	− 6 8.2	1.763	2.745	6.1	20.7
9 8	23 29.00	− 7 9.1	1.739	2.743	2.1	20.4
9 18	23 20.09	− 8 8.7	1.743	2.741	3.1	20.5
9 28	23 11.68	− 9 0.7	1.774	2.738	7.2	20.8
10 8	23 4.68	− 9 39.8	1.832	2.734	11.0	21.0
10 18	22 59.72	−10 3.1	1.913	2.730	14.3	21.2

264368 2000 CZ_{109} 9 12.9 321°.64 4°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.88	+ 3 25.9	1.218	2.083	19.2	19.8
8 19	23 45.26	+ 4 7.6	1.134	2.061	15.3	19.5
8 29	23 38.61	+ 4 31.8	1.067	2.039	10.7	19.2
9 8	23 29.60	+ 4 38.1	1.022	2.019	5.9	18.8
9 18	23 19.38	+ 4 28.6	1.000	1.999	4.3	18.7
9 28	23 9.55	+ 4 8.7	1.001	1.980	8.7	18.9
10 8	23 1.68	+ 3 46.2	1.025	1.963	13.9	19.1
10 18	22 56.89	+ 3 28.3	1.067	1.946	18.8	19.3

23631 1997 AG 9 12.9 302°.37 1°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.72	+ 1 53.6	1.399	2.258	17.4	18.1
8 19	23 45.33	+ 1 55.2	1.322	2.249	13.5	17.8
8 29	23 38.31	+ 1 39.0	1.266	2.241	8.9	17.6
9 8	23 29.40	+ 1 7.6	1.232	2.233	4.0	17.3
9 18	23 19.67	+ 0 26.2	1.224	2.225	2.8	17.2
9 28	23 10.50	− 0 18.0	1.240	2.218	7.7	17.4
10 8	23 3.16	− 0 57.2	1.281	2.210	12.5	17.7
10 18	22 58.48	− 1 25.5	1.343	2.203	16.8	18.0

437051 2012 UA_{35} 9 12.9 30°.38 5°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.13	+13 49.8	1.478	2.292	18.9	20.5
8 19	23 40.89	+13 42.7	1.412	2.300	15.5	20.3
8 29	23 35.38	+13 6.7	1.365	2.308	11.7	20.1
9 8	23 28.35	+12 2.7	1.339	2.316	8.0	19.9
9 18	23 20.79	+10 35.9	1.337	2.325	5.8	19.8
9 28	23 13.85	+ 8 55.0	1.360	2.335	7.4	19.9
10 8	23 8.58	+ 7 11.5	1.408	2.345	10.9	20.2
10 18	23 5.64	+ 5 35.4	1.479	2.356	14.5	20.4

482865 2014 DC_{129} 9 12.9 29°.68 1°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.45	− 4 50.5	1.718	2.584	14.4	21.5
8 19	23 44.53	− 5 10.7	1.650	2.586	10.7	21.3
8 29	23 37.50	− 5 40.4	1.605	2.587	6.6	21.1
9 8	23 29.04	− 6 14.8	1.585	2.589	2.2	20.8
9 18	23 20.10	− 6 48.6	1.591	2.591	2.9	20.9
9 28	23 11.76	− 7 16.0	1.625	2.593	7.2	21.2
10 8	23 4.96	− 7 32.5	1.684	2.595	11.3	21.4
10 18	23 0.36	− 7 35.8	1.766	2.598	14.7	21.6

436058 2009 RE_{41} 9 12.9 225°.91 3°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 48.33	+ 9 51.3	1.916	2.723	15.4	21.4
8 19	23 43.72	+ 9 39.4	1.825	2.715	12.5	21.2
8 29	23 37.06	+ 9 6.5	1.755	2.705	9.0	21.0
9 8	23 28.93	+ 8 13.7	1.709	2.695	5.6	20.8
9 18	23 20.17	+ 7 4.7	1.691	2.685	3.9	20.6
9 28	23 11.77	+ 5 46.1	1.700	2.674	6.3	20.8
10 8	23 4.70	+ 4 25.8	1.736	2.662	10.0	21.0
10 18	22 59.66	+ 3 11.3	1.796	2.650	13.5	21.2

310705 2002 JK_{119} 9 12.9 67°.99 3°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.57	−10 59.8	2.206	3.083	11.2	20.0
8 19	23 39.78	−12 27.0	2.143	3.086	8.2	19.8
8 29	23 34.40	−13 59.4	2.106	3.089	5.3	19.6
9 8	23 27.97	−15 29.9	2.097	3.091	3.6	19.5
9 18	23 21.19	−16 51.7	2.115	3.094	5.1	19.6
9 28	23 14.82	−17 58.6	2.162	3.097	8.0	19.8
10 8	23 9.57	−18 47.0	2.233	3.100	10.9	20.0
10 18	23 5.96	−19 15.3	2.327	3.102	13.4	20.2

134703 1999 XM_{137} 9 12.9 335°.50 1°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.16	− 3 18.5	1.120	2.016	18.1	18.9
8 19	23 40.87	− 4 6.9	1.051	2.003	13.7	18.6
8 29	23 35.76	− 5 14.7	1.001	1.990	8.4	18.3
9 8	23 28.59	− 6 34.2	0.973	1.978	2.8	17.9
9 18	23 20.54	− 7 54.8	0.968	1.968	4.2	18.0
9 28	23 13.13	− 9 4.7	0.986	1.958	9.9	18.3
10 8	23 7.72	− 9 54.3	1.025	1.950	15.3	18.5
10 18	23 5.23	−10 18.8	1.082	1.943	19.9	18.8

218090 2002 JS_{7} 9 12.9 100°.69 1°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 43.61	+ 5 41.7	2.312	3.136	12.6	19.9
8 19	23 39.73	+ 5 3.5	2.235	3.141	9.8	19.8
8 29	23 34.34	+ 4 9.8	2.182	3.146	6.6	19.6
9 8	23 27.96	+ 3 3.6	2.154	3.151	3.3	19.4
9 18	23 21.23	+ 1 49.7	2.155	3.156	2.1	19.3
9 28	23 14.89	+ 0 33.7	2.185	3.160	5.0	19.5
10 8	23 9.60	− 0 38.1	2.242	3.165	8.3	19.7
10 18	23 5.86	− 1 40.8	2.325	3.170	11.2	19.9

289016 2004 TQ_{107} 9 12.9 265°.91 0°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.96	− 1 22.6	2.246	3.097	12.0	21.1
8 19	23 40.79	− 1 56.1	2.169	3.095	9.0	20.9
8 29	23 35.03	− 2 40.4	2.116	3.094	5.6	20.7
9 8	23 28.21	− 3 31.6	2.089	3.093	1.9	20.5
9 18	23 21.00	− 4 25.1	2.091	3.092	1.9	20.5
9 28	23 14.17	− 5 15.5	2.121	3.091	5.6	20.7
10 8	23 8.44	− 5 58.1	2.178	3.089	9.0	20.9
10 18	23 4.33	− 6 29.5	2.259	3.088	12.0	21.1

227157 2005 QR_{10} 9 12.9 357°.39 1°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 48.02	− 3 23.4	0.946	1.845	20.4	18.8
8 19	23 44.86	− 2 32.1	0.887	1.838	15.7	18.5
8 29	23 38.37	− 1 52.5	0.846	1.832	10.1	18.2
9 8	23 29.49	− 1 22.9	0.825	1.829	3.9	17.9
9 18	23 19.71	− 1 0.1	0.826	1.828	3.2	17.8
9 28	23 10.85	− 0 39.4	0.848	1.829	9.3	18.2
10 8	23 4.49	− 0 15.7	0.890	1.832	14.9	18.5
10 18	23 1.55	+ 0 14.9	0.950	1.838	19.7	18.8

160613 1999 TA_{68} 9 12.9 199°.67 0°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.55	− 4 37.5	2.598	3.451	10.5	21.0
8 19	23 41.03	− 5 14.3	2.519	3.448	7.8	20.8
8 29	23 35.09	− 5 58.4	2.465	3.446	4.7	20.7
9 8	23 28.22	− 6 46.1	2.439	3.443	1.6	20.4
9 18	23 21.00	− 7 33.3	2.441	3.440	2.3	20.5
9 28	23 14.11	− 8 15.4	2.473	3.436	5.5	20.7
10 8	23 8.18	− 8 48.9	2.533	3.432	8.5	20.9
10 18	23 3.70	− 9 11.4	2.617	3.428	11.1	21.1

402200 2004 TE_{287} 9 12.9 317°.84 0°.3/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 45.13	− 2 46.8	1.816	2.682	13.7	21.2
8 19	23 41.48	− 3 8.2	1.721	2.655	10.4	21.0
8 29	23 35.77	− 3 41.7	1.648	2.629	6.5	20.7
9 8	23 28.55	− 4 23.3	1.599	2.604	2.2	20.3
9 18	23 20.60	− 5 8.0	1.578	2.579	2.5	20.3
9 28	23 12.94	− 5 49.4	1.583	2.554	7.0	20.6
10 8	23 6.56	− 6 21.8	1.613	2.530	11.3	20.8
10 18	23 2.20	− 6 41.0	1.665	2.507	15.0	20.9

200102 1995 QH_{3} 9 12.9 353°.38 3°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 46.25	+ 5 29.6	1.403	2.254	17.8	19.4
8 19	23 42.66	+ 5 40.7	1.331	2.250	14.1	19.2
8 29	23 36.62	+ 5 31.1	1.279	2.247	9.8	18.9
9 8	23 28.84	+ 5 2.4	1.249	2.244	5.4	18.7
9 18	23 20.37	+ 4 18.8	1.244	2.243	3.7	18.6
9 28	23 12.48	+ 3 27.5	1.263	2.242	7.3	18.8
10 8	23 6.32	+ 2 37.0	1.306	2.241	11.8	19.0
10 18	23 2.69	+ 1 54.4	1.370	2.242	15.8	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
72064 2000 YG_{19}			9 12.9 119°.97		1°.5/11.8 18	
	h m	° ′			°	m
8 9	23 51.81	− 4 43.7	1.519	2.388	15.8	19.8
8 19	23 46.47	− 5 22.6	1.460	2.397	11.7	19.5
8 29	23 38.76	− 6 12.9	1.423	2.406	7.1	19.3
9 8	23 29.50	− 7 8.3	1.410	2.415	2.4	19.0
9 18	23 19.77	− 8 1.3	1.425	2.423	3.5	19.1
9 28	23 10.80	− 8 44.8	1.465	2.431	8.1	19.4
10 8	23 3.63	− 9 13.6	1.531	2.439	12.4	19.7
10 18	22 58.96	− 9 25.2	1.617	2.446	16.0	20.0
477163 2009 ED_{9}			9 12.9 314°.22		7°.3/ 4.1 18	
8 9	23 42.89	−15 48.3	1.576	2.475	13.7	20.3
8 19	23 40.06	−18 20.7	1.512	2.462	10.4	20.1
8 29	23 34.98	−20 59.4	1.473	2.449	7.9	19.9
9 8	23 28.29	−23 31.1	1.460	2.436	7.6	19.9
9 18	23 20.91	−25 42.5	1.473	2.424	9.9	20.0
9 28	23 13.98	−27 23.2	1.511	2.413	13.2	20.2
10 8	23 8.59	−28 28.4	1.570	2.401	16.4	20.4
10 18	23 5.50	−28 58.4	1.647	2.391	19.2	20.6
204796 2006 QX_{102}			9 12.9 147°.37		1°.1/14.2 18	
8 9	23 48.72	+ 1 31.0	2.247	3.080	12.6	21.0
8 19	23 43.54	+ 1 16.4	2.173	3.087	9.6	20.9
8 29	23 36.70	+ 0 50.0	2.123	3.094	6.2	20.7
9 8	23 28.78	+ 0 14.7	2.099	3.100	2.6	20.4
9 18	23 20.48	− 0 25.8	2.104	3.106	1.8	20.4
9 28	23 12.63	− 1 6.6	2.138	3.111	5.3	20.7
10 8	23 5.97	− 1 43.2	2.200	3.116	8.7	20.9
10 18	23 1.03	− 2 11.9	2.286	3.121	11.7	21.1
265247 2004 EK_{38}			9 12.9 203°.69		3°.9/ 9.8 17	
8 9	23 52.21	−11 40.4	1.673	2.549	14.2	20.5
8 19	23 46.73	−12 26.6	1.607	2.547	10.6	20.2
8 29	23 38.94	−13 17.3	1.563	2.545	6.7	20.0
9 8	23 29.59	−14 5.4	1.544	2.542	4.0	19.8
9 18	23 19.69	−14 43.6	1.553	2.539	5.5	19.9
9 28	23 10.44	−15 6.2	1.588	2.536	9.3	20.1
10 8	23 2.86	−15 10.1	1.647	2.533	13.0	20.4
10 18	22 57.68	−14 54.9	1.728	2.529	16.3	20.6
303123 2004 CC_{56}			9 12.9 96°.29		2°.1/10.9 18	
8 9	23 48.52	− 7 52.6	1.919	2.788	13.0	21.1
8 19	23 43.65	− 8 28.5	1.852	2.790	9.6	20.9
8 29	23 36.89	− 9 10.9	1.809	2.793	5.9	20.7
9 8	23 28.87	− 9 54.7	1.792	2.795	2.5	20.5
9 18	23 20.43	−10 34.1	1.803	2.797	3.7	20.6
9 28	23 12.53	−11 3.8	1.841	2.800	7.4	20.8
10 8	23 6.02	−11 20.3	1.904	2.802	10.9	21.0
10 18	23 1.49	−11 21.8	1.990	2.804	14.0	21.2
72357 2001 BA_{75}			9 12.9 93°.46		3°.2/ 9.0 18	
8 9	23 44.66	−10 58.6	2.291	3.165	11.0	19.3
8 19	23 40.51	−12 4.6	2.230	3.170	8.1	19.1
8 29	23 34.83	−13 14.7	2.193	3.176	5.1	18.9
9 8	23 28.15	−14 23.0	2.184	3.181	3.2	18.8
9 18	23 21.15	−15 23.8	2.203	3.186	4.5	18.9
9 28	23 14.58	−16 11.9	2.250	3.191	7.4	19.1
10 8	23 9.11	−16 44.2	2.323	3.196	10.2	19.3
10 18	23 5.26	−16 59.5	2.418	3.201	12.7	19.5
147837 2005 TM_{144}			9 12.9 168°.85		1°.9/10.9 18	
8 9	23 45.97	− 6 54.5	2.170	3.036	11.8	20.6
8 19	23 41.58	− 7 41.1	2.100	3.037	8.7	20.4
8 29	23 35.54	− 8 35.0	2.054	3.037	5.3	20.2
9 8	23 28.41	− 9 31.0	2.035	3.038	2.2	20.0
9 18	23 20.89	−10 23.6	2.044	3.038	3.3	20.1
9 28	23 13.80	−11 7.6	2.081	3.038	6.7	20.3
10 8	23 7.89	−11 39.1	2.144	3.039	10.0	20.5
10 18	23 3.68	−11 55.8	2.230	3.039	12.8	20.7
334703 2003 EN_{43}			9 12.9 42°.83		2°.8/16.4 15	
8 9	23 48.94	+11 59.5	1.567	2.377	18.2	19.4
8 19	23 43.78	+10 19.0	1.539	2.433	14.1	19.3
8 29	23 36.74	+ 8 13.4	1.532	2.488	9.5	19.1
9 8	23 28.72	+ 5 50.5	1.551	2.543	5.0	19.0
9 18	23 20.71	+ 3 21.4	1.598	2.597	2.9	19.0
9 28	23 13.69	+ 0 57.9	1.675	2.651	6.1	19.3
10 8	23 8.41	− 1 9.9	1.779	2.705	9.8	19.7
10 18	23 5.26	− 2 56.0	1.908	2.758	13.0	20.0
147277 2002 YC_{31}			9 12.9 104°.55		6°.0/18.6 18	
8 9	23 53.18	+13 38.8	1.848	2.630	16.8	20.0
8 19	23 47.18	+14 7.4	1.785	2.650	13.9	19.9
8 29	23 39.08	+14 14.1	1.741	2.669	10.6	19.7
9 8	23 29.61	+13 58.6	1.721	2.688	7.5	19.6
9 18	23 19.72	+13 23.1	1.728	2.707	6.0	19.5
9 28	23 10.48	+12 32.9	1.761	2.725	7.2	19.6
10 8	23 2.83	+11 35.2	1.821	2.743	9.9	19.8
10 18	22 57.40	+10 37.4	1.906	2.760	12.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
480631 2015 NL_{7}			9 13.0 37°.20		4°.1/17.2 18	
	h m	° ′			°	m
8 9	23 46.21	+ 9 45.7	1.846	2.660	15.7	21.3
8 19	23 42.09	+ 9 43.0	1.769	2.662	12.6	21.1
8 29	23 36.02	+ 9 19.7	1.713	2.664	9.2	20.9
9 8	23 28.61	+ 8 37.3	1.681	2.666	5.7	20.7
9 18	23 20.69	+ 7 39.3	1.675	2.669	4.1	20.6
9 28	23 13.24	+ 6 32.1	1.697	2.671	6.3	20.8
10 8	23 7.16	+ 5 23.1	1.744	2.674	9.7	21.0
10 18	23 3.08	+ 4 19.4	1.815	2.677	13.0	21.2
365782 2010 XC_{73}			9 13.0 281°.14		5°.3/ 6.9 18	
8 9	23 46.95	−18 0.7	2.188	3.066	11.2	20.7
8 19	23 42.39	−19 2.8	2.122	3.060	8.6	20.6
8 29	23 36.08	−20 4.0	2.081	3.053	6.2	20.4
9 8	23 28.60	−20 57.9	2.066	3.046	5.3	20.3
9 18	23 20.71	−21 38.5	2.078	3.040	6.6	20.4
9 28	23 13.27	−22 1.4	2.116	3.033	9.2	20.6
10 8	23 7.06	−22 4.6	2.179	3.026	11.8	20.7
10 18	23 2.66	−21 48.5	2.263	3.020	14.2	20.9
47653 2000 CD_{45}			9 13.0 114°.73		1°.0/11.8 18	
8 9	23 45.17	− 2 6.8	1.964	2.824	13.1	18.7
8 19	23 41.11	− 3 19.4	1.898	2.831	9.7	18.5
8 29	23 35.30	− 4 44.8	1.855	2.837	5.9	18.3
9 8	23 28.34	− 6 17.0	1.840	2.844	1.9	18.0
9 18	23 20.99	− 7 48.6	1.852	2.851	2.8	18.1
9 28	23 14.12	− 9 11.9	1.893	2.857	6.7	18.4
10 8	23 8.52	−10 20.9	1.960	2.863	10.4	18.6
10 18	23 4.74	−11 12.0	2.051	2.869	13.5	18.8
145497 2005 XZ_{67}			9 13.0 296°.82		2°.4/10.1 18	
8 9	23 43.48	− 7 30.3	2.183	3.054	11.5	20.0
8 19	23 39.82	− 8 35.7	2.102	3.043	8.5	19.8
8 29	23 34.53	− 9 49.4	2.047	3.031	5.2	19.6
9 8	23 28.10	−11 5.7	2.018	3.020	2.5	19.4
9 18	23 21.21	−12 18.1	2.017	3.008	3.9	19.5
9 28	23 14.65	−13 20.4	2.044	2.997	7.2	19.7
10 8	23 9.19	−14 8.0	2.097	2.986	10.5	19.9
10 18	23 5.38	−14 38.2	2.173	2.975	13.4	20.0
328246 2008 FE_{90}			9 13.0 102°.83		0°.4/12.7 17	
8 9	23 52.94	− 3 10.5	1.533	2.396	16.0	21.0
8 19	23 47.28	− 3 29.2	1.475	2.408	12.0	20.8
8 29	23 39.25	− 3 59.7	1.438	2.419	7.4	20.5
9 8	23 29.69	− 4 37.1	1.426	2.430	2.4	20.3
9 18	23 19.69	− 5 15.2	1.440	2.441	2.7	20.3
9 28	23 10.47	− 5 47.6	1.482	2.452	7.5	20.6
10 8	23 3.08	− 6 9.3	1.548	2.462	11.8	20.9
10 18	22 58.18	− 6 17.4	1.636	2.473	15.5	21.2
287712 2003 QR_{85}			9 13.0 333°.56		2°.5/16.0 18	
8 9	23 40.26	+ 8 21.6	1.872	2.702	14.9	19.8
8 19	23 37.70	+ 7 30.0	1.782	2.689	11.8	19.6
8 29	23 33.35	+ 6 15.1	1.713	2.676	8.2	19.4
9 8	23 27.73	+ 4 40.2	1.669	2.664	4.4	19.1
9 18	23 21.57	+ 2 51.2	1.652	2.652	2.7	19.0
9 28	23 15.76	+ 0 56.9	1.662	2.641	5.9	19.2
10 8	23 11.14	− 0 53.1	1.700	2.631	9.8	19.4
10 18	23 8.35	− 2 30.6	1.761	2.621	13.5	19.6
95712 2003 AT_{2}			9 13.0 10°.04		3°.9/13.8 18	
8 9	0 11.05	− 4 5.9	0.891	1.763	23.8	18.0
8 19	0 2.76	− 1 55.7	0.830	1.763	18.6	17.7
8 29	23 49.84	+ 0 12.1	0.787	1.764	12.4	17.3
9 8	23 33.50	+ 2 13.2	0.765	1.766	5.9	17.0
9 18	23 15.88	+ 4 1.8	0.769	1.768	5.1	17.0
9 28	22 59.69	+ 5 34.2	0.796	1.771	11.1	17.3
10 8	22 47.14	+ 6 51.6	0.846	1.775	17.2	17.7
10 18	22 39.36	+ 7 58.2	0.913	1.779	22.3	18.0
400698 2009 RG_{7}			9 13.0 348°.86		2°.7/14.9 17	
8 9	23 45.40	+ 1 55.8	1.458	2.321	16.6	19.4
8 19	23 42.03	+ 2 28.0	1.380	2.308	13.0	19.2
8 29	23 36.26	+ 2 45.7	1.322	2.296	8.8	18.9
9 8	23 28.77	+ 2 49.8	1.286	2.285	4.5	18.6
9 18	23 20.54	+ 2 43.3	1.275	2.275	3.2	18.5
9 28	23 12.78	+ 2 30.8	1.289	2.268	7.2	18.8
10 8	23 6.65	+ 2 18.3	1.326	2.262	11.7	19.0
10 18	23 2.96	+ 2 10.9	1.385	2.257	15.7	19.2
249300 2008 UY			9 13.0 157°.58		2°.1/11.0 17	
8 9	23 49.31	− 6 59.6	1.814	2.683	13.6	20.8
8 19	23 44.36	− 7 43.9	1.747	2.685	10.1	20.6
8 29	23 37.39	− 8 36.3	1.704	2.687	6.1	20.4
9 8	23 29.07	− 9 31.1	1.687	2.690	2.5	20.2
9 18	23 20.30	−10 21.7	1.697	2.692	3.8	20.3
9 28	23 12.09	−11 2.0	1.734	2.693	7.7	20.5
10 8	23 5.36	−11 27.7	1.797	2.695	11.4	20.7
10 18	23 0.72	−11 37.0	1.882	2.696	14.6	20.9