385636 2005 QS_{75} 12 13.9 39°.42 0°.4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.09	+20 58.2	1.006	1.843	22.5	19.3
11 17	5 55.15	+21 45.7	0.973	1.876	17.2	19.1
11 27	5 46.17	+22 36.1	0.959	1.911	11.1	18.9
12 7	5 34.53	+23 24.7	0.967	1.946	4.6	18.7
12 17	5 22.15	+24 7.1	1.000	1.982	2.0	18.6
12 27	5 11.16	+24 41.7	1.057	2.019	8.0	19.1
1 6	5 3.15	+25 9.6	1.139	2.057	13.2	19.5
1 16	4 58.92	+25 33.2	1.241	2.094	17.4	19.9

260705 2005 JA_{133} 12 13.9 161°.50 3°.8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.34	+13 45.5	2.131	2.922	13.7	21.8
11 17	5 48.29	+13 6.4	2.051	2.925	10.8	21.6
11 27	5 41.07	+12 31.2	1.994	2.928	7.6	21.4
12 7	5 32.35	+12 2.0	1.965	2.931	4.6	21.2
12 17	5 23.00	+11 40.6	1.965	2.934	4.1	21.2
12 27	5 14.02	+11 28.8	1.994	2.936	6.7	21.3
1 6	5 6.36	+11 27.1	2.051	2.938	9.9	21.5
1 16	5 0.68	+11 35.3	2.132	2.939	12.9	21.7

327155 2005 GJ_{100} 12 13.9 131°.18 2°.6/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.36	+29 41.5	1.754	2.544	16.3	21.5
11 17	5 55.90	+29 58.0	1.684	2.558	12.8	21.3
11 27	5 46.35	+30 7.9	1.635	2.572	8.6	21.1
12 7	5 34.62	+30 7.9	1.613	2.586	4.4	20.9
12 17	5 22.04	+29 56.0	1.620	2.598	2.9	20.8
12 27	5 10.17	+29 33.4	1.656	2.610	6.5	21.1
1 6	5 0.37	+29 4.0	1.719	2.622	10.6	21.3
1 16	4 53.50	+28 32.6	1.807	2.632	14.1	21.6

4479 Charlieparker 12 13.9 237°.03 2°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.84	+16 12.9	2.153	2.948	13.5	17.7
11 17	5 48.05	+15 55.7	2.062	2.941	10.6	17.5
11 27	5 41.03	+15 41.5	1.994	2.933	7.2	17.3
12 7	5 32.38	+15 31.3	1.953	2.925	3.8	17.0
12 17	5 22.96	+15 25.9	1.941	2.917	3.0	17.0
12 27	5 13.81	+15 26.3	1.959	2.909	6.1	17.2
1 6	5 5.91	+15 32.9	2.005	2.901	9.6	17.4
1 16	5 0.00	+15 45.8	2.075	2.892	12.8	17.5

272507 2005 UW_{180} 12 13.9 144°.92 1°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.34	+19 59.8	1.804	2.603	15.5	21.5
11 17	5 51.84	+19 57.9	1.727	2.610	12.0	21.3
11 27	5 43.64	+19 57.4	1.674	2.617	7.9	21.1
12 7	5 33.49	+19 57.8	1.646	2.623	3.5	20.8
12 17	5 22.51	+19 58.7	1.647	2.629	1.9	20.7
12 27	5 12.02	+20 0.9	1.678	2.634	6.2	21.0
1 6	5 3.21	+20 5.2	1.736	2.639	10.4	21.3
1 16	4 56.92	+20 12.7	1.819	2.644	14.0	21.5

10776 Musashitomiyo 12 13.9 328°.69 2°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.74	+17 56.1	1.376	2.201	18.2	17.6
11 17	5 49.30	+17 57.7	1.294	2.190	14.2	17.4
11 27	5 42.54	+18 4.4	1.232	2.180	9.6	17.1
12 7	5 33.22	+18 16.3	1.193	2.170	4.5	16.8
12 17	5 22.57	+18 33.1	1.180	2.161	2.8	16.6
12 27	5 12.27	+18 54.5	1.193	2.152	7.8	16.9
1 6	5 3.88	+19 20.3	1.231	2.144	12.9	17.2
1 16	4 58.54	+19 50.4	1.290	2.137	17.3	17.4

184793 2005 TJ_{64} 12 13.9 51°.28 0°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.14	+21 50.3	1.913	2.717	14.6	21.1
11 17	5 48.48	+21 42.0	1.838	2.724	11.3	20.9
11 27	5 41.37	+21 33.0	1.785	2.730	7.4	20.7
12 7	5 32.52	+21 23.3	1.759	2.736	3.1	20.4
12 17	5 22.95	+21 12.9	1.761	2.743	1.5	20.3
12 27	5 13.85	+21 2.9	1.792	2.750	5.8	20.6
1 6	5 6.27	+20 54.9	1.851	2.757	9.7	20.9
1 16	5 0.98	+20 50.4	1.934	2.764	13.1	21.1

47989 2000 YD_{35} 12 13.9 221°.68 1°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.05	+19 19.8	1.631	2.437	16.6	19.4
11 17	5 52.06	+19 11.8	1.546	2.432	13.0	19.1
11 27	5 44.05	+19 5.6	1.483	2.427	8.7	18.9
12 7	5 33.76	+19 1.2	1.445	2.422	3.9	18.6
12 17	5 22.39	+18 58.8	1.435	2.416	2.4	18.5
12 27	5 11.40	+18 59.0	1.454	2.410	7.0	18.7
1 6	5 2.19	+19 3.2	1.498	2.404	11.6	19.0
1 16	4 55.74	+19 12.3	1.567	2.397	15.6	19.2

332980 2011 FJ_{29} 12 13.9 337°.57 6°.7/13.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.17	+ 2 55.1	2.376	3.144	13.1	20.4
11 17	5 44.89	+ 2 14.0	2.297	3.143	10.9	20.3
11 27	5 38.79	+ 1 43.6	2.241	3.142	8.7	20.1
12 7	5 31.40	+ 1 27.1	2.210	3.141	7.0	20.0
12 17	5 23.45	+ 1 26.8	2.207	3.140	6.8	20.0
12 27	5 15.77	+ 1 43.4	2.232	3.140	8.2	20.1
1 6	5 9.14	+ 2 15.8	2.284	3.139	10.4	20.2
1 16	5 4.16	+ 3 1.5	2.359	3.138	12.7	20.4

212234 2005 JP_{31} 12 13.9 111°.90 4°.8/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.97	+35 35.4	2.207	2.976	14.0	20.3
11 17	5 54.55	+36 32.8	2.138	2.994	11.3	20.1
11 27	5 45.37	+37 22.1	2.093	3.011	8.2	20.0
12 7	5 34.22	+37 58.3	2.074	3.028	5.6	19.8
12 17	5 22.23	+38 18.0	2.085	3.045	4.9	19.8
12 27	5 10.76	+38 20.6	2.125	3.061	6.8	20.0
1 6	5 1.00	+38 9.0	2.194	3.077	9.5	20.2
1 16	4 53.80	+37 47.7	2.287	3.092	12.2	20.4

459338 2012 HZ_{40} 12 13.9 240°.80 3°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.47	+34 24.7	2.444	3.218	12.7	21.2
11 17	5 50.19	+34 50.5	2.348	3.209	10.1	21.0
11 27	5 42.50	+35 9.1	2.275	3.200	7.3	20.8
12 7	5 33.04	+35 17.2	2.230	3.191	4.6	20.7
12 17	5 22.73	+35 12.7	2.213	3.182	3.8	20.6
12 27	5 12.70	+34 55.7	2.227	3.172	5.9	20.7
1 6	5 4.01	+34 28.6	2.269	3.162	8.8	20.9
1 16	4 57.49	+33 55.2	2.336	3.152	11.6	21.0

110265 2001 SM_{248} 12 13.9 184°.66 4°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.61	+33 42.6	2.125	2.906	14.1	20.0
11 17	5 52.18	+34 30.5	2.041	2.906	11.3	19.8
11 27	5 43.98	+35 12.0	1.979	2.906	8.1	19.6
12 7	5 33.71	+35 42.5	1.944	2.905	5.2	19.4
12 17	5 22.44	+35 58.7	1.938	2.905	4.4	19.3
12 27	5 11.52	+35 59.7	1.961	2.904	6.7	19.5
1 6	5 2.20	+35 47.9	2.011	2.903	9.8	19.7
1 16	4 55.39	+35 27.5	2.087	2.902	12.8	19.9

74415 1999 AR_{9} 12 14.0 49°.30 11°.1/17.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 8.00	+57 8.2	2.232	2.914	16.2	17.9
11 17	6 1.28	+58 11.2	2.170	2.926	14.5	17.8
11 27	5 50.36	+58 53.0	2.128	2.938	12.9	17.7
12 7	5 36.42	+59 5.9	2.106	2.951	11.7	17.7
12 17	5 21.35	+58 45.0	2.107	2.963	11.1	17.7
12 27	5 7.43	+57 50.9	2.132	2.976	11.5	17.7
1 6	4 56.48	+56 29.9	2.182	2.989	12.6	17.8
1 16	4 49.49	+54 51.1	2.253	3.002	14.1	18.0

162895 2001 HR_{4} 12 14.0 303°.74 5°.4/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.41	+14 38.2	1.592	2.404	16.7	18.4
11 17	5 48.57	+13 21.8	1.497	2.383	13.3	18.1
11 27	5 41.84	+12 5.2	1.423	2.362	9.5	17.9
12 7	5 32.89	+10 53.1	1.375	2.341	6.2	17.6
12 17	5 22.79	+ 9 50.7	1.353	2.320	5.9	17.6
12 27	5 12.96	+ 9 3.3	1.359	2.300	9.3	17.7
1 6	5 4.74	+ 8 33.8	1.389	2.280	13.4	17.9
1 16	4 59.11	+ 8 22.9	1.441	2.260	17.4	18.1

326328 2000 BO_{9} 12 14.0 176°.36 4°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.55	+ 6 8.0	2.729	3.495	11.7	21.3
11 17	5 45.71	+ 5 48.8	2.645	3.497	9.5	21.2
11 27	5 39.22	+ 5 37.9	2.585	3.498	7.2	21.0
12 7	5 31.57	+ 5 37.2	2.553	3.499	5.3	20.9
12 17	5 23.41	+ 5 47.8	2.550	3.499	5.0	20.9
12 27	5 15.49	+ 6 9.9	2.576	3.499	6.5	21.0
1 6	5 8.51	+ 6 42.6	2.631	3.499	8.7	21.1
1 16	5 3.03	+ 7 24.2	2.712	3.499	11.0	21.3

513738 2012 UO_{5} 12 14.0 138°.37 0°.3/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.10	+23 36.4	1.989	2.779	14.6	22.3
11 17	5 52.97	+23 46.0	1.914	2.792	11.3	22.1
11 27	5 44.26	+23 54.3	1.863	2.804	7.4	21.9
12 7	5 33.75	+23 59.6	1.839	2.816	3.1	21.7
12 17	5 22.49	+24 1.0	1.844	2.827	1.3	21.6
12 27	5 11.75	+23 58.9	1.881	2.837	5.6	21.9
1 6	5 2.65	+23 55.0	1.945	2.847	9.5	22.1
1 16	4 55.96	+23 51.3	2.035	2.856	12.9	22.4

386020 2007 DH_{92} 12 14.0 27°.69 2°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.45	+19 10.4	1.085	1.926	20.9	20.0
11 17	5 50.13	+19 4.7	1.033	1.938	16.2	19.8
11 27	5 43.08	+19 2.9	0.999	1.951	10.7	19.5
12 7	5 33.39	+19 5.0	0.988	1.966	4.8	19.3
12 17	5 22.67	+19 10.9	1.000	1.982	2.8	19.2
12 27	5 12.88	+19 21.0	1.037	1.998	8.2	19.6
1 6	5 5.60	+19 35.9	1.097	2.016	13.5	19.9
1 16	5 1.77	+19 55.7	1.178	2.035	17.9	20.2

322291 2011 FE_{45} 12 14.0 338°.15 6°.9/12.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 47.78	+ 8 4.5	1.717	2.523	15.9	20.4
11 17	5 44.67	+ 7 7.7	1.632	2.508	13.0	20.2
11 27	5 39.10	+ 6 19.5	1.569	2.494	9.9	20.0
12 7	5 31.69	+ 5 44.4	1.529	2.481	7.4	19.8
12 17	5 23.38	+ 5 26.5	1.515	2.469	7.2	19.8
12 27	5 15.35	+ 5 28.0	1.528	2.458	9.5	19.9
1 6	5 8.70	+ 5 48.6	1.564	2.447	12.7	20.1
1 16	5 4.28	+ 6 25.9	1.623	2.438	15.9	20.3

45396 2000 AS_{138} 12 14.0 327.°36 0.°2/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.86	+21 21.0	1.471	2.293	17.4	18.0
11 17	5 49.36	+21 43.9	1.384	2.279	13.6	17.7
11 27	5 42.62	+22 9.8	1.318	2.267	9.0	17.4
12 7	5 33.32	+22 37.1	1.276	2.254	3.8	17.1
12 17	5 22.66	+23 3.6	1.260	2.243	1.7	16.9
12 27	5 12.27	+23 28.0	1.271	2.232	7.1	17.2
1 6	5 3.70	+23 50.5	1.307	2.221	12.2	17.4
1 16	4 58.11	+24 12.4	1.365	2.212	16.6	17.7

1759 Kienle 12 14.0 42.°72 3.°5/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.41	+15 57.9	1.290	2.112	19.3	16.3
11 17	5 51.46	+15 37.3	1.251	2.144	14.9	16.1
11 27	5 43.40	+15 23.0	1.232	2.177	10.0	15.9
12 7	5 33.36	+15 16.4	1.236	2.210	5.2	15.8
12 17	5 22.78	+15 17.9	1.266	2.244	3.9	15.8
12 27	5 13.23	+15 27.9	1.323	2.278	7.8	16.1
1 6	5 5.93	+15 46.0	1.405	2.312	12.1	16.4
1 16	5 1.57	+16 11.1	1.509	2.347	15.7	16.8

276875 2004 RR_{235} 12 14.0 187.°61 1.°2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.12	+19 49.3	2.071	2.862	14.1	21.8
11 17	5 51.45	+19 44.7	1.984	2.862	11.0	21.6
11 27	5 43.32	+19 41.1	1.920	2.861	7.2	21.3
12 7	5 33.41	+19 38.2	1.883	2.859	3.2	21.1
12 17	5 22.68	+19 35.9	1.876	2.857	1.8	21.0
12 27	5 12.29	+19 34.9	1.899	2.854	5.8	21.2
1 6	5 3.34	+19 36.2	1.951	2.850	9.7	21.5
1 16	4 56.61	+19 40.9	2.028	2.846	13.1	21.7

42203 2001 DB_{35} 12 14.0 117.°77 2.°5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.11	+15 35.5	2.356	3.146	12.6	19.5
11 17	5 47.17	+15 22.8	2.279	3.155	9.8	19.3
11 27	5 40.29	+15 13.6	2.226	3.163	6.6	19.1
12 7	5 32.06	+15 8.7	2.200	3.172	3.5	19.0
12 17	5 23.28	+15 8.5	2.204	3.180	2.8	18.9
12 27	5 14.85	+15 13.7	2.239	3.188	5.5	19.1
1 6	5 7.59	+15 24.4	2.301	3.196	8.6	19.3
1 16	5 2.13	+15 40.4	2.390	3.203	11.5	19.5

131583 2001 WM_{4} 12 14.0 90.°99 6.°4/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 11.96	+26 8.2	1.112	1.922	22.5	18.9
11 17	6 5.73	+28 53.8	1.051	1.935	17.8	18.7
11 27	5 54.33	+31 47.4	1.010	1.948	12.5	18.4
12 7	5 38.56	+34 32.8	0.994	1.962	7.6	18.2
12 17	5 20.39	+36 52.2	1.005	1.974	7.0	18.2
12 27	5 2.74	+38 34.5	1.044	1.987	11.1	18.5
1 6	4 48.40	+39 40.6	1.108	2.000	16.0	18.8
1 16	4 39.06	+40 19.5	1.191	2.012	20.2	19.1

265514 2005 LQ_{22} 12 14.0 156.°39 1.°1/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.61	+20 7.2	1.803	2.600	15.6	22.0
11 17	5 52.88	+20 8.5	1.725	2.607	12.1	21.8
11 27	5 44.38	+20 11.2	1.670	2.613	8.0	21.6
12 7	5 33.88	+20 14.6	1.641	2.618	3.5	21.3
12 17	5 22.51	+20 18.3	1.641	2.623	1.8	21.2
12 27	5 11.62	+20 22.5	1.671	2.627	6.3	21.5
1 6	5 2.44	+20 28.2	1.728	2.631	10.5	21.8
1 16	4 55.81	+20 36.7	1.810	2.634	14.1	22.0

232059 2001 UP_{108} 12 14.0 341.°21 6.°3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.95	+30 30.1	1.318	2.135	19.2	19.5
11 17	5 54.28	+32 19.7	1.240	2.127	15.5	19.3
11 27	5 46.47	+34 10.3	1.182	2.119	11.2	19.0
12 7	5 35.17	+35 51.9	1.147	2.112	7.3	18.8
12 17	5 21.86	+37 14.3	1.139	2.106	6.7	18.7
12 27	5 8.73	+38 11.1	1.156	2.101	10.0	18.9
1 6	4 57.97	+38 43.0	1.197	2.097	14.4	19.1
1 16	4 51.14	+38 55.6	1.259	2.094	18.5	19.4

260458 2005 AN_{50} 12 14.0 330.°86 4.°7/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.12	+10 0.0	2.155	2.945	13.6	20.4
11 17	5 45.90	+ 9 34.3	2.071	2.941	10.9	20.2
11 27	5 39.61	+ 9 15.8	2.010	2.938	7.9	20.0
12 7	5 31.84	+ 9 7.0	1.975	2.934	5.3	19.9
12 17	5 23.39	+ 9 9.2	1.969	2.931	4.9	19.8
12 27	5 15.22	+ 9 23.2	1.991	2.928	7.1	19.9
1 6	5 8.23	+ 9 48.3	2.040	2.925	10.1	20.1
1 16	5 3.11	+10 23.1	2.114	2.923	12.9	20.3

22478 1997 EM_{48} 12 14.0 278.°34 2.°3/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.41	+18 44.2	1.892	2.693	14.8	19.2
11 17	5 49.83	+18 18.5	1.786	2.669	11.7	18.9
11 27	5 42.57	+17 53.1	1.702	2.645	7.9	18.6
12 7	5 33.23	+17 28.8	1.645	2.620	3.9	18.3
12 17	5 22.76	+17 7.0	1.616	2.595	2.8	18.2
12 27	5 12.43	+16 49.5	1.616	2.570	6.8	18.4
1 6	5 3.48	+16 38.2	1.643	2.544	11.1	18.6
1 16	4 56.87	+16 34.6	1.695	2.518	15.0	18.8

97256 1999 XC_{115} 12 14.0 119.°18 4.°2/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 1.05	+36 21.7	1.951	2.726	15.4	19.0
11 17	5 54.75	+36 21.5	1.876	2.737	12.3	18.8
11 27	5 45.53	+36 9.0	1.823	2.747	8.8	18.6
12 7	5 34.31	+35 40.7	1.796	2.758	5.5	18.4
12 17	5 22.39	+34 55.7	1.798	2.768	4.3	18.4
12 27	5 11.22	+33 56.5	1.829	2.778	6.6	18.5
1 6	5 2.06	+32 48.7	1.889	2.787	10.0	18.8
1 16	4 55.69	+31 38.8	1.974	2.796	13.2	19.0

242512 2004 YP_{14} 12 14.0 287.°42 0.°9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.63	+20 26.6	1.722	2.530	15.8	20.5
11 17	5 50.15	+20 34.5	1.635	2.522	12.3	20.2
11 27	5 42.82	+20 44.2	1.569	2.514	8.2	20.0
12 7	5 33.32	+20 55.2	1.529	2.506	3.5	19.7
12 17	5 22.75	+21 6.4	1.516	2.499	1.7	19.5
12 27	5 12.48	+21 17.8	1.532	2.491	6.5	19.8
1 6	5 3.83	+21 30.0	1.575	2.483	10.9	20.0
1 16	4 57.76	+21 44.2	1.642	2.476	14.9	20.3

175886 1999 VV_{212} 12 14.0 74.°49 0.°2/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.73	+23 19.1	1.687	2.493	16.2	20.7
11 17	5 51.52	+23 25.7	1.622	2.508	12.5	20.5
11 27	5 43.48	+23 31.2	1.579	2.524	8.2	20.3
12 7	5 33.49	+23 34.1	1.562	2.540	3.4	20.0
12 17	5 22.73	+23 33.6	1.573	2.556	1.5	19.9
12 27	5 12.63	+23 30.5	1.613	2.572	6.1	20.3
1 6	5 4.37	+23 26.4	1.680	2.588	10.4	20.6
1 16	4 58.77	+23 23.6	1.770	2.603	14.0	20.8

218857 2006 WB_{80} 12 14.0 112.°43 1.°1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.10	+25 54.4	1.659	2.457	16.7	21.4
11 17	5 54.97	+26 4.7	1.594	2.475	13.0	21.2
11 27	5 45.78	+26 11.4	1.550	2.492	8.6	21.0
12 7	5 34.47	+26 12.1	1.532	2.509	3.8	20.8
12 17	5 22.35	+26 5.7	1.543	2.525	1.8	20.7
12 27	5 10.96	+25 53.0	1.582	2.540	6.4	21.0
1 6	5 1.63	+25 37.0	1.649	2.555	10.7	21.3
1 16	4 55.19	+25 21.1	1.740	2.569	14.4	21.6

215713 2004 BZ_{71} 12 14.0 311.°26 7.°4/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.51	+ 5 39.8	1.716	2.509	16.5	20.0
11 17	5 47.56	+ 5 0.7	1.632	2.498	13.6	19.7
11 27	5 41.03	+ 4 33.7	1.568	2.487	10.5	19.5
12 7	5 32.56	+ 4 23.1	1.528	2.476	8.0	19.4
12 17	5 23.12	+ 4 31.9	1.515	2.465	7.5	19.3
12 27	5 13.96	+ 5 1.1	1.527	2.455	9.7	19.4
1 6	5 6.23	+ 5 48.9	1.565	2.445	12.9	19.6
1 16	5 0.82	+ 6 51.5	1.626	2.435	16.1	19.8

380981 2006 SU_{131} 12 14.0 148.°64 3.°0/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 10.76	+15 17.6	1.524	2.304	18.8	22.4
11 17	6 2.52	+15 21.4	1.454	2.324	14.7	22.2
11 27	5 50.82	+15 31.8	1.406	2.341	9.9	21.9
12 7	5 36.63	+15 48.2	1.384	2.357	5.0	21.7
12 17	5 21.44	+16 9.5	1.393	2.371	3.4	21.6
12 27	5 7.04	+16 34.9	1.431	2.382	7.8	21.9
1 6	4 54.96	+17 4.1	1.498	2.392	12.4	22.2
1 16	4 46.18	+17 37.0	1.589	2.399	16.4	22.5

274389 2008 RS_{107} 12 14.0 129.°45 0.°2/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.62	+24 58.4	2.466	3.256	12.1	21.7
11 17	5 47.61	+24 46.1	2.383	3.261	9.4	21.5
11 27	5 40.61	+24 30.7	2.324	3.266	6.1	21.3
12 7	5 32.23	+24 11.9	2.293	3.270	2.6	21.1
12 17	5 23.30	+23 49.9	2.292	3.275	1.1	20.9
12 27	5 14.74	+23 26.0	2.322	3.280	4.7	21.2
1 6	5 7.39	+23 2.2	2.381	3.284	8.0	21.4
1 16	5 1.89	+22 40.5	2.466	3.288	10.9	21.6

480385 2015 KK_{46} 12 14.0 239.°85 0.°2/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.47	+21 19.2	1.590	2.398	16.9	21.0
11 17	5 52.62	+21 40.4	1.506	2.394	13.2	20.8
11 27	5 44.59	+22 4.1	1.443	2.389	8.7	20.5
12 7	5 34.13	+22 28.3	1.406	2.384	3.7	20.2
12 17	5 22.45	+22 50.8	1.396	2.379	1.6	20.0
12 27	5 11.12	+23 10.8	1.415	2.374	6.8	20.3
1 6	5 1.63	+23 28.8	1.460	2.369	11.6	20.6
1 16	4 55.03	+23 46.3	1.528	2.363	15.7	20.8

318326 2004 TQ_{189} 12 14.0 76.°60 0.°8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.48	+21 36.0	1.596	2.405	16.8	21.0
11 17	5 51.49	+21 28.9	1.528	2.417	13.0	20.8
11 27	5 43.56	+21 21.4	1.482	2.428	8.5	20.6
12 7	5 33.57	+21 13.4	1.461	2.439	3.6	20.3
12 17	5 22.75	+21 4.7	1.468	2.451	1.8	20.2
12 27	5 12.57	+20 56.6	1.504	2.462	6.5	20.5
1 6	5 4.29	+20 50.7	1.565	2.473	11.0	20.8
1 16	4 58.76	+20 48.8	1.650	2.485	14.8	21.1

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
230767 2003 XH_{22}			12 14.0 297°.14	11°.5/17.6 18		
	h m	° ′			°	m
11 7	6 10.39	+48 41.5	1.199	1.970	23.4	19.3
11 17	6 5.05	+48 59.9	1.122	1.963	20.2	19.0
11 27	5 53.84	+48 48.7	1.059	1.955	16.5	18.8
12 7	5 38.20	+47 54.8	1.016	1.947	13.2	18.6
12 17	5 20.82	+46 10.2	0.996	1.940	11.5	18.4
12 27	5 5.09	+43 39.6	1.000	1.933	12.9	18.5
1 6	4 53.58	+40 40.2	1.028	1.926	16.4	18.7
1 16	4 47.44	+37 33.2	1.077	1.919	20.4	18.9
291593 2006 GY_{19}			12 14.0 237°.81	2°.1/14.2 18		
11 7	5 53.75	+29 0.8	2.626	3.408	11.7	21.7
11 17	5 48.65	+29 27.1	2.528	3.399	9.2	21.5
11 27	5 41.43	+29 49.9	2.454	3.389	6.3	21.3
12 7	5 32.66	+30 7.1	2.408	3.380	3.3	21.1
12 17	5 23.11	+30 17.1	2.392	3.369	2.3	21.0
12 27	5 13.75	+30 19.4	2.407	3.359	4.9	21.2
1 6	5 5.51	+30 15.3	2.450	3.349	8.0	21.3
1 16	4 59.11	+30 7.0	2.521	3.338	10.8	21.5
296772 2009 UE_{100}			12 14.0 89°.02	1°.1/13.9 18		
11 7	5 54.38	+19 48.2	2.389	3.177	12.5	21.1
11 17	5 48.78	+19 45.4	2.326	3.202	9.6	21.0
11 27	5 41.26	+19 43.4	2.287	3.228	6.3	20.8
12 7	5 32.47	+19 42.1	2.277	3.253	2.8	20.6
12 17	5 23.24	+19 41.6	2.296	3.278	1.6	20.6
12 27	5 14.49	+19 42.2	2.347	3.302	4.8	20.9
1 6	5 7.02	+19 44.7	2.427	3.326	8.0	21.1
1 16	5 1.41	+19 49.9	2.532	3.349	10.8	21.3
239145 2006 JA_{45}			12 14.0 144°.08	1°.6/14.2 18		
11 7	5 57.85	+27 9.2	2.146	2.933	13.8	21.3
11 17	5 52.00	+27 28.7	2.067	2.942	10.7	21.1
11 27	5 43.67	+27 44.8	2.012	2.951	7.2	20.9
12 7	5 33.59	+27 55.1	1.985	2.959	3.4	20.7
12 17	5 22.75	+27 58.1	1.987	2.967	2.0	20.6
12 27	5 12.35	+27 54.1	2.019	2.975	5.4	20.8
1 6	5 3.47	+27 45.0	2.080	2.981	9.1	21.1
1 16	4 56.88	+27 33.5	2.167	2.988	12.2	21.3
333910 1999 TY_{43}			12 14.0 108°.68	3°.1/14.5 18		
11 7	5 58.07	+30 56.4	1.812	2.606	15.7	21.2
11 17	5 52.73	+31 19.3	1.737	2.613	12.4	21.0
11 27	5 44.41	+31 35.4	1.683	2.619	8.5	20.8
12 7	5 33.96	+31 41.2	1.655	2.626	4.7	20.6
12 17	5 22.59	+31 34.5	1.656	2.632	3.4	20.5
12 27	5 11.79	+31 16.0	1.685	2.638	6.5	20.7
1 6	5 2.85	+30 49.1	1.741	2.645	10.4	21.0
1 16	4 56.68	+30 18.5	1.822	2.651	13.8	21.2
244186 2001 XV_{215}			12 14.0 88°.55	0°.1/14.0 18		
11 7	6 2.88	+22 50.4	1.352	2.162	19.2	20.7
11 17	5 56.74	+23 0.0	1.298	2.186	14.8	20.5
11 27	5 47.09	+23 8.9	1.264	2.210	9.7	20.3
12 7	5 35.05	+23 15.0	1.255	2.233	4.1	20.0
12 17	5 22.19	+23 16.9	1.274	2.256	1.7	19.9
12 27	5 10.33	+23 15.3	1.320	2.279	7.2	20.3
1 6	5 0.94	+23 12.7	1.392	2.301	12.0	20.7
1 16	4 54.88	+23 11.7	1.486	2.322	16.0	21.0
208849 2002 RN_{205}			12 14.0 88°.50	1°.7/13.9 18		
11 7	5 54.93	+18 55.6	1.832	2.634	15.2	21.0
11 17	5 49.93	+18 48.6	1.760	2.644	11.8	20.8
11 27	5 42.39	+18 43.7	1.711	2.654	7.8	20.5
12 7	5 33.06	+18 40.9	1.687	2.664	3.6	20.3
12 17	5 23.00	+18 40.3	1.693	2.673	2.2	20.2
12 27	5 13.43	+18 42.7	1.727	2.683	6.1	20.5
1 6	5 5.46	+18 48.7	1.789	2.693	10.1	20.8
1 16	4 59.86	+18 59.0	1.875	2.702	13.6	21.0
157649 2005 YK_{16}			12 14.0 182°.52	0°.7/13.9 18		
11 7	5 52.35	+20 47.9	2.766	3.551	11.1	21.8
11 17	5 47.21	+20 44.0	2.676	3.551	8.6	21.6
11 27	5 40.29	+20 40.2	2.611	3.551	5.6	21.4
12 7	5 32.12	+20 36.2	2.574	3.551	2.4	21.2
12 17	5 23.39	+20 32.1	2.568	3.550	1.3	21.1
12 27	5 14.92	+20 28.5	2.594	3.549	4.4	21.3
1 6	5 7.46	+20 26.1	2.649	3.547	7.5	21.5
1 16	5 1.61	+20 25.9	2.731	3.545	10.2	21.7
95879 2003 GW_{50}			12 14.0 176°.70	0°.1/14.0 18		
11 7	5 54.05	+22 17.8	2.920	3.699	10.7	20.6
11 17	5 48.45	+22 31.8	2.829	3.701	8.3	20.5
11 27	5 41.08	+22 45.6	2.764	3.703	5.4	20.3
12 7	5 32.46	+22 58.4	2.728	3.705	2.3	20.1
12 17	5 23.26	+23 9.4	2.723	3.705	1.0	20.0
12 27	5 14.29	+23 18.5	2.750	3.705	4.2	20.2
1 6	5 6.30	+23 26.4	2.807	3.705	7.1	20.4
1 16	4 59.89	+23 33.8	2.892	3.704	9.7	20.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
95080 2002 AZ_{80}			12 14.0 27°.11	4°.6/13.7 18		
	h m	° ′			°	m
11 7	5 53.98	+13 15.3	1.465	2.279	17.8	19.5
11 17	5 49.79	+12 50.5	1.395	2.282	14.1	19.3
11 27	5 42.60	+12 33.2	1.346	2.285	9.8	19.1
12 7	5 33.25	+12 25.9	1.320	2.289	5.8	18.9
12 17	5 22.94	+12 30.2	1.320	2.293	4.9	18.8
12 27	5 13.16	+12 46.5	1.348	2.297	8.3	19.0
1 6	5 5.23	+13 14.1	1.400	2.302	12.5	19.3
1 16	5 0.06	+13 51.2	1.475	2.307	16.3	19.5
360649 2004 OA_{6}			12 14.0 115°.55	2°.2/14.4 18		
11 7	5 57.00	+30 17.7	2.577	3.351	12.1	21.9
11 17	5 50.88	+30 33.5	2.506	3.372	9.4	21.8
11 27	5 42.70	+30 44.0	2.460	3.392	6.4	21.6
12 7	5 33.12	+30 47.0	2.442	3.412	3.4	21.4
12 17	5 23.03	+30 41.5	2.454	3.431	2.3	21.4
12 27	5 13.40	+30 28.3	2.498	3.449	4.8	21.6
1 6	5 5.12	+30 9.3	2.571	3.467	7.8	21.8
1 16	4 58.80	+29 47.4	2.670	3.485	10.4	22.0
223476 2003 WN_{56}			12 14.0 291°.97	2°.1/14.3 18		
11 7	5 56.66	+27 56.8	1.459	2.273	17.9	20.4
11 17	5 52.62	+28 7.2	1.366	2.255	14.1	20.1
11 27	5 44.98	+28 12.2	1.293	2.237	9.6	19.8
12 7	5 34.46	+28 8.7	1.243	2.219	4.6	19.5
12 17	5 22.40	+27 54.3	1.220	2.201	2.6	19.3
12 27	5 10.62	+27 29.8	1.224	2.183	7.6	19.6
1 6	5 0.89	+26 58.9	1.253	2.166	12.7	19.8
1 16	4 54.45	+26 27.0	1.304	2.148	17.3	20.0
71540 2000 CN_{113}			12 14.0 100°.15	0°.8/13.9 18		
11 7	5 52.31	+20 59.4	2.332	3.126	12.6	19.8
11 17	5 47.47	+20 56.3	2.253	3.133	9.7	19.6
11 27	5 40.59	+20 53.4	2.198	3.140	6.4	19.4
12 7	5 32.29	+20 50.4	2.170	3.147	2.8	19.2
12 17	5 23.39	+20 47.3	2.172	3.154	1.4	19.1
12 27	5 14.85	+20 44.8	2.204	3.160	5.0	19.3
1 6	5 7.53	+20 43.7	2.264	3.167	8.4	19.6
1 16	5 2.08	+20 45.1	2.351	3.173	11.3	19.8
23370 1329 T_{-2}			12 14.0 6°.87	0°.9/13.9 18		
11 7	5 50.75	+21 48.8	1.623	2.442	16.1	17.9
11 17	5 47.17	+21 35.9	1.549	2.443	12.5	17.6
11 27	5 40.82	+21 22.4	1.497	2.445	8.2	17.4
12 7	5 32.49	+21 8.3	1.469	2.447	3.5	17.1
12 17	5 23.31	+20 54.1	1.469	2.451	1.8	17.0
12 27	5 14.61	+20 41.3	1.496	2.456	6.4	17.3
1 6	5 7.62	+20 31.8	1.549	2.461	10.8	17.6
1 16	5 3.17	+20 27.0	1.625	2.467	14.6	17.8
428568 2008 CQ_{165}			12 14.0 218°.45	12°.3/11.9 18		
11 7	5 55.71	− 8 58.3	2.014	2.731	16.8	21.4
11 17	5 50.40	−10 24.8	1.936	2.722	15.0	21.2
11 27	5 42.71	−11 32.8	1.878	2.712	13.4	21.1
12 7	5 33.27	−12 14.9	1.842	2.701	12.4	21.0
12 17	5 22.97	−12 26.0	1.831	2.690	12.4	21.0
12 27	5 12.93	−12 4.0	1.843	2.677	13.5	21.0
1 6	5 4.20	−11 11.2	1.879	2.664	15.2	21.1
1 16	4 57.58	− 9 52.9	1.935	2.650	17.2	21.3
513125 1997 GC_{32}			12 14.0 33°.14	9°.3/14.9 18 C		
11 7	7 10.86	+ 6 19.8	0.415	1.227	46.9	18.7
11 17	6 41.34	+ 6 14.6	0.449	1.330	33.7	18.7
11 27	6 10.87	+ 6 35.8	0.497	1.432	21.6	18.7
12 7	5 42.79	+ 7 19.8	0.565	1.530	12.2	18.8
12 17	5 19.95	+ 8 19.4	0.656	1.625	9.4	19.2
12 27	5 3.71	+ 9 27.6	0.771	1.718	13.2	19.8
1 6	4 53.88	+10 38.7	0.906	1.807	17.8	20.4
1 16	4 49.54	+11 49.4	1.059	1.892	21.3	21.0
298430 2003 TF_{57}			12 14.0 85°.27	3°.5/14.9 17		
11 7	5 59.55	+34 5.6	1.758	2.547	16.3	20.2
11 17	5 53.86	+33 56.4	1.685	2.556	12.9	20.0
11 27	5 45.11	+33 35.4	1.633	2.566	9.0	19.8
12 7	5 34.24	+32 59.7	1.607	2.575	5.1	19.6
12 17	5 22.61	+32 9.0	1.608	2.584	3.6	19.5
12 27	5 11.77	+31 6.4	1.639	2.593	6.6	19.7
1 6	5 3.00	+29 57.9	1.697	2.602	10.5	20.0
1 16	4 57.13	+28 49.8	1.780	2.611	14.0	20.2
229869 2009 UZ_{4}			12 14.0 13°.10	0°.5/13.9 17		
11 7	5 51.66	+22 18.0	1.869	2.677	14.7	20.1
11 17	5 47.52	+22 12.1	1.792	2.680	11.4	19.9
11 27	5 40.89	+22 5.4	1.737	2.683	7.5	19.7
12 7	5 32.49	+21 57.5	1.708	2.686	3.2	19.4
12 17	5 23.32	+21 48.6	1.707	2.690	1.4	19.3
12 27	5 14.58	+21 39.7	1.735	2.694	5.8	19.6
1 6	5 7.35	+21 32.2	1.790	2.699	9.8	19.9
1 16	5 2.41	+21 27.8	1.869	2.704	13.3	20.1

388209 2006 FG_{45} 12 14.0 189°.08 5°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.97	+36 13.2	2.021	2.794	15.0	21.1
11 17	5 55.11	+37 8.2	1.937	2.794	12.2	20.9
11 27	5 46.14	+37 55.0	1.874	2.793	9.0	20.7
12 7	5 34.81	+38 27.9	1.838	2.792	6.3	20.5
12 17	5 22.31	+38 42.6	1.830	2.790	5.5	20.5
12 27	5 10.20	+38 38.0	1.851	2.788	7.5	20.6
1 6	4 59.89	+38 17.3	1.899	2.785	10.6	20.8
1 16	4 52.41	+37 45.9	1.971	2.782	13.7	21.0

442388 2011 UX_{26} 12 14.0 44°.35 0°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.38	+21 32.4	1.707	2.516	15.9	21.6
11 17	5 49.81	+21 29.1	1.633	2.522	12.3	21.4
11 27	5 42.48	+21 25.9	1.581	2.527	8.1	21.2
12 7	5 33.18	+21 22.2	1.555	2.533	3.5	20.9
12 17	5 23.04	+21 18.0	1.556	2.539	1.6	20.8
12 27	5 13.39	+21 14.0	1.586	2.545	6.2	21.1
1 6	5 5.46	+21 11.6	1.642	2.551	10.5	21.4
1 16	5 0.07	+21 12.5	1.723	2.557	14.2	21.6

191182 2002 NR_{53} 12 14.0 80°.56 1°.9/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.65	+29 24.8	2.298	3.087	12.9	19.9
11 17	5 48.68	+29 28.4	2.217	3.092	10.1	19.7
11 27	5 41.46	+29 26.3	2.159	3.097	6.8	19.5
12 7	5 32.68	+29 17.2	2.128	3.102	3.4	19.3
12 17	5 23.25	+29 0.4	2.127	3.107	2.1	19.2
12 27	5 14.24	+28 36.8	2.156	3.112	5.1	19.5
1 6	5 6.59	+28 8.9	2.213	3.116	8.5	19.7
1 16	5 1.02	+27 39.9	2.296	3.121	11.5	19.9

511042 2013 RM_{54} 12 14.0 62°.32 3°.4/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.03	+18 48.4	1.222	2.047	20.0	21.3
11 17	5 53.21	+17 57.9	1.167	2.063	15.5	21.1
11 27	5 44.90	+17 8.5	1.132	2.079	10.4	20.8
12 7	5 34.20	+16 22.8	1.120	2.095	5.2	20.6
12 17	5 22.67	+15 44.2	1.133	2.112	4.0	20.6
12 27	5 12.11	+15 16.1	1.173	2.128	8.5	20.9
1 6	5 3.96	+15 0.5	1.237	2.145	13.3	21.2
1 16	4 59.07	+14 57.8	1.323	2.162	17.4	21.5

51307 2000 KF_{61} 12 14.0 33°.35 1°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.72	+16 31.6	2.350	3.142	12.6	18.7
11 17	5 47.05	+16 43.7	2.266	3.143	9.8	18.5
11 27	5 40.37	+17 0.1	2.205	3.145	6.5	18.3
12 7	5 32.24	+17 20.3	2.172	3.146	3.2	18.1
12 17	5 23.44	+17 44.0	2.168	3.148	2.1	18.0
12 27	5 14.90	+18 10.6	2.195	3.149	5.2	18.2
1 6	5 7.50	+18 39.7	2.251	3.151	8.5	18.4
1 16	5 1.91	+19 10.8	2.332	3.153	11.5	18.6

424753 2008 TA_{35} 12 14.0 17°.27 1°.2/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.02	+26 15.1	1.917	2.722	14.5	20.9
11 17	5 47.82	+26 24.6	1.841	2.727	11.3	20.7
11 27	5 41.10	+26 30.9	1.788	2.732	7.5	20.5
12 7	5 32.59	+26 32.4	1.760	2.737	3.4	20.2
12 17	5 23.30	+26 28.2	1.761	2.743	1.7	20.1
12 27	5 14.46	+26 19.0	1.790	2.749	5.6	20.4
1 6	5 7.16	+26 6.7	1.847	2.756	9.5	20.7
1 16	5 2.17	+25 53.9	1.928	2.764	12.9	20.9

28873 2000 KM_{7} 12 14.0 318°.22 0°.9/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.96	+19 8.2	2.297	3.092	12.7	18.2
11 17	5 47.38	+19 27.9	2.207	3.088	9.9	18.0
11 27	5 40.67	+19 50.6	2.141	3.084	6.5	17.8
12 7	5 32.40	+20 15.4	2.103	3.080	2.9	17.6
12 17	5 23.36	+20 41.3	2.094	3.076	1.4	17.4
12 27	5 14.55	+21 7.6	2.115	3.072	5.1	17.7
1 6	5 6.90	+21 34.1	2.165	3.068	8.6	17.9
1 16	5 1.13	+22 0.9	2.240	3.065	11.8	18.1

232742 2004 FP_{101} 12 14.0 22°.74 0°.8/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.25	+20 5.4	1.825	2.630	15.2	20.2
11 17	5 49.62	+20 20.7	1.745	2.631	11.8	20.0
11 27	5 42.36	+20 38.4	1.688	2.633	7.8	19.8
12 7	5 33.16	+20 57.7	1.657	2.634	3.3	19.5
12 17	5 23.05	+21 17.2	1.654	2.636	1.6	19.4
12 27	5 13.33	+21 36.5	1.680	2.638	6.0	19.7
1 6	5 5.15	+21 55.8	1.733	2.640	10.2	20.0
1 16	4 59.38	+22 15.8	1.810	2.642	13.8	20.2

418770 2008 UW_{262} 12 14.0 61°.65 1°.7/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.92	+27 46.1	2.339	3.130	12.7	21.4
11 17	5 48.08	+28 5.6	2.261	3.138	9.8	21.2
11 27	5 41.07	+28 21.6	2.206	3.145	6.6	21.0
12 7	5 32.53	+28 32.2	2.179	3.153	3.2	20.8
12 17	5 23.33	+28 36.2	2.181	3.161	2.0	20.7
12 27	5 14.50	+28 33.8	2.213	3.169	5.0	21.0
1 6	5 6.97	+28 26.5	2.274	3.177	8.3	21.2
1 16	5 1.44	+28 16.6	2.360	3.185	11.2	21.4

77478 2001 HN_{29} 12 14.0 11°.34 4°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.41	+26 19.3	0.981	1.829	22.0	17.2
11 17	5 51.19	+27 46.8	0.924	1.832	17.3	17.0
11 27	5 44.53	+29 16.0	0.886	1.837	11.8	16.7
12 7	5 34.38	+30 38.3	0.868	1.843	6.3	16.4
12 17	5 22.53	+31 44.7	0.873	1.851	4.9	16.4
12 27	5 11.43	+32 30.5	0.902	1.861	9.6	16.7
1 6	5 3.25	+32 57.3	0.952	1.872	14.9	17.0
1 16	4 59.28	+33 10.1	1.021	1.885	19.5	17.3

422426 2014 SF_{287} 12 14.0 11°.05 4°.9/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.30	+10 42.4	2.100	2.894	13.8	21.2
11 17	5 46.07	+10 0.1	2.022	2.894	11.0	21.0
11 27	5 39.76	+ 9 24.0	1.967	2.895	8.0	20.8
12 7	5 31.99	+ 8 56.8	1.938	2.896	5.5	20.7
12 17	5 23.59	+ 8 40.8	1.936	2.898	5.1	20.7
12 27	5 15.53	+ 8 37.5	1.964	2.899	7.3	20.8
1 6	5 8.69	+ 8 46.6	2.018	2.901	10.2	21.0
1 16	5 3.76	+ 9 7.2	2.096	2.903	13.1	21.2

241219 2007 TV_{70} 12 14.1 96°.72 6°.3/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.97	+38 46.1	1.880	2.651	16.0	19.9
11 17	5 55.97	+39 41.1	1.813	2.665	13.1	19.7
11 27	5 46.67	+40 24.4	1.767	2.679	9.9	19.5
12 7	5 35.00	+40 49.9	1.747	2.693	7.2	19.4
12 17	5 22.34	+40 53.6	1.754	2.707	6.4	19.4
12 27	5 10.36	+40 35.6	1.789	2.721	8.2	19.5
1 6	5 0.51	+40 0.4	1.850	2.734	11.0	19.7
1 16	4 53.74	+39 14.7	1.935	2.747	13.8	19.9

69920 1998 TQ_{9} 12 14.1 6°.98 2°.8/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.74	+17 59.6	1.652	2.471	15.9	18.8
11 17	5 46.26	+17 26.2	1.580	2.472	12.4	18.6
11 27	5 40.17	+16 54.5	1.529	2.474	8.3	18.4
12 7	5 32.23	+16 26.2	1.503	2.477	4.2	18.1
12 17	5 23.50	+16 3.4	1.503	2.481	3.2	18.1
12 27	5 15.26	+15 48.1	1.532	2.486	6.9	18.3
1 6	5 8.62	+15 41.4	1.586	2.492	11.0	18.6
1 16	5 4.37	+15 43.6	1.663	2.499	14.6	18.8

430904 2005 SA_{69} 12 14.1 113°.95 6°.7/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 8.06	+40 21.6	1.959	2.713	16.0	21.3
11 17	6 0.48	+41 19.4	1.898	2.738	13.1	21.1
11 27	5 49.51	+42 4.1	1.859	2.762	10.1	21.0
12 7	5 36.15	+42 28.9	1.845	2.784	7.5	20.9
12 17	5 21.89	+42 29.7	1.860	2.807	6.7	20.9
12 27	5 8.49	+42 7.1	1.903	2.828	8.3	21.0
1 6	4 57.41	+41 26.4	1.974	2.848	10.9	21.2
1 16	4 49.56	+40 35.0	2.069	2.867	13.5	21.4

235289 2003 UJ_{49} 12 14.1 98°.38 6°.6/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.10	+40 52.2	1.999	2.755	15.7	20.7
11 17	5 58.09	+41 41.7	1.939	2.780	12.9	20.5
11 27	5 47.88	+42 17.6	1.901	2.804	9.9	20.4
12 7	5 35.44	+42 34.1	1.888	2.827	7.4	20.3
12 17	5 22.20	+42 27.7	1.903	2.850	6.6	20.3
12 27	5 9.81	+41 59.3	1.947	2.873	8.1	20.4
1 6	4 59.63	+41 14.2	2.018	2.895	10.6	20.6
1 16	4 52.52	+40 19.3	2.113	2.916	13.2	20.8

74115 1998 QR_{48} 12 14.1 72°.39 0°.2/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.53	+24 12.2	1.739	2.537	16.1	19.0
11 17	5 53.38	+24 10.1	1.687	2.569	12.3	18.8
11 27	5 44.54	+24 5.5	1.658	2.601	8.0	18.6
12 7	5 33.96	+23 57.2	1.655	2.632	3.4	18.4
12 17	5 22.87	+23 45.0	1.680	2.663	1.4	18.3
12 27	5 12.61	+23 30.5	1.736	2.694	5.9	18.7
1 6	5 4.29	+23 15.8	1.819	2.724	9.9	19.0
1 16	4 58.58	+23 3.4	1.926	2.754	13.2	19.3

139014 2001 DG_{46} 12 14.1 38°.09 1°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.08	+19 22.4	1.248	2.075	19.6	19.7
11 17	5 51.98	+19 18.5	1.184	2.081	15.2	19.4
11 27	5 44.33	+19 17.7	1.140	2.089	10.1	19.1
12 7	5 34.10	+19 20.0	1.119	2.097	4.5	18.8
12 17	5 22.76	+19 24.9	1.123	2.105	2.6	18.7
12 27	5 12.14	+19 32.9	1.154	2.114	7.8	19.1
1 6	5 3.81	+19 44.9	1.208	2.123	13.0	19.4
1 16	4 58.77	+20 1.5	1.284	2.132	17.3	19.7

486581 2013 JV_{6} 12 14.1 279°.44 0°.3/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.28	+17 39.9	2.062	2.842	14.5	21.7
11 17	5 55.34	+18 46.6	1.942	2.814	11.4	21.4
11 27	5 46.47	+20 3.2	1.847	2.786	7.7	21.1
12 7	5 35.14	+21 27.1	1.781	2.757	3.3	20.8
12 17	5 22.23	+22 53.9	1.746	2.728	1.4	20.6
12 27	5 9.05	+24 19.1	1.743	2.698	6.1	20.8
1 6	4 57.00	+25 39.4	1.771	2.668	10.6	21.0
1 16	4 47.27	+26 53.5	1.825	2.638	14.5	21.2

288145 2003 WQ_{103} 12 14.1 20°.52 0°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.50	+22 59.5	1.140	1.981	20.1	19.2
11 17	5 48.59	+22 40.0	1.088	1.993	15.5	18.9
11 27	5 42.10	+22 18.4	1.054	2.007	10.1	18.7
12 7	5 33.13	+21 55.1	1.043	2.022	4.3	18.4
12 17	5 23.24	+21 31.1	1.056	2.039	2.0	18.3
12 27	5 14.27	+21 9.2	1.095	2.057	7.6	18.7
1 6	5 7.70	+20 52.2	1.156	2.077	12.8	19.1
1 16	5 4.37	+20 42.0	1.239	2.098	17.1	19.4

290423 2005 TE_{79} 12 14.1 210°.70 1°.0/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.40	+25 48.4	2.126	2.921	13.6	21.8
11 17	5 49.49	+25 58.7	2.040	2.920	10.6	21.5
11 27	5 42.17	+26 6.3	1.977	2.918	7.0	21.3
12 7	5 33.10	+26 9.6	1.941	2.917	3.1	21.1
12 17	5 23.22	+26 7.7	1.934	2.916	1.5	21.0
12 27	5 13.68	+26 1.0	1.956	2.914	5.4	21.2
1 6	5 5.55	+25 51.1	2.007	2.913	9.1	21.4
1 16	4 59.61	+25 40.4	2.084	2.911	12.4	21.7

484074 2006 KN_{38} 12 14.1 209°.98 7°.2/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.10	− 7 29.6	3.541	4.241	10.4	22.8
11 17	5 44.35	− 8 17.8	3.455	4.233	9.2	22.7
11 27	5 38.29	− 8 54.6	3.392	4.224	8.0	22.6
12 7	5 31.34	− 9 17.1	3.355	4.214	7.3	22.6
12 17	5 23.96	− 9 23.2	3.344	4.204	7.3	22.6
12 27	5 16.74	− 9 12.0	3.361	4.194	8.0	22.6
1 6	5 10.19	− 8 44.4	3.404	4.182	9.1	22.7
1 16	5 4.78	− 8 2.3	3.471	4.171	10.4	22.8

264785 2002 LW_{55} 12 14.1 134°.91 5°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.09	+ 1 32.5	2.921	3.668	11.4	20.9
11 17	5 45.99	+ 1 5.1	2.850	3.681	9.5	20.7
11 27	5 39.39	+ 0 47.9	2.803	3.694	7.6	20.6
12 7	5 31.79	+ 0 42.9	2.783	3.706	6.1	20.5
12 17	5 23.79	+ 0 51.6	2.791	3.718	5.9	20.5
12 27	5 16.08	+ 1 14.0	2.829	3.730	7.0	20.6
1 6	5 9.27	+ 1 48.9	2.895	3.740	8.8	20.8
1 16	5 3.86	+ 2 34.2	2.987	3.751	10.6	20.9

270672 2002 QB_{7} 12 14.1 42°.98 12°.9/12.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.67	−13 26.6	2.128	2.831	16.4	19.8
11 17	5 45.49	−15 5.9	2.083	2.844	14.9	19.7
11 27	5 39.32	−16 23.2	2.056	2.856	13.7	19.6
12 7	5 31.81	−17 12.0	2.051	2.870	13.0	19.6
12 17	5 23.79	−17 28.7	2.067	2.883	12.9	19.6
12 27	5 16.20	−17 12.5	2.105	2.897	13.6	19.7
1 6	5 9.84	−16 26.5	2.164	2.911	14.6	19.8
1 16	5 5.34	−15 15.9	2.242	2.925	15.9	19.9

126683 2002 CW_{220} 12 14.1 79°.49 8°.1/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.40	+ 3 53.1	1.673	2.457	17.2	19.3
11 17	5 49.56	+ 3 1.4	1.613	2.471	14.2	19.1
11 27	5 42.18	+ 2 24.0	1.574	2.484	11.1	18.9
12 7	5 33.07	+ 2 5.4	1.558	2.497	8.7	18.8
12 17	5 23.28	+ 2 8.3	1.569	2.510	8.3	18.9
12 27	5 14.05	+ 2 33.2	1.606	2.523	10.1	19.0
1 6	5 6.44	+ 3 17.5	1.668	2.537	12.9	19.2
1 16	5 1.21	+ 4 16.9	1.753	2.549	15.7	19.4

143777 2003 WL_{66} 12 14.1 34°.34 3°.0/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.43	+26 45.2	1.065	1.902	21.5	19.4
11 17	5 53.74	+27 33.0	1.014	1.915	16.8	19.1
11 27	5 45.82	+28 17.9	0.980	1.929	11.3	18.9
12 7	5 34.82	+28 54.2	0.968	1.945	5.5	18.6
12 17	5 22.55	+29 17.0	0.981	1.961	3.5	18.6
12 27	5 11.29	+29 25.8	1.018	1.978	8.5	18.9
1 6	5 2.90	+29 24.1	1.077	1.996	13.7	19.3
1 16	4 58.44	+29 17.1	1.158	2.015	18.2	19.6

261748 2006 BS_{10} 12 14.1 135°.37 3°.7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.91	+11 35.8	2.312	3.098	13.0	20.3
11 17	5 47.16	+11 26.2	2.231	3.101	10.2	20.2
11 27	5 40.44	+11 23.1	2.173	3.104	7.2	20.0
12 7	5 32.32	+11 27.7	2.142	3.107	4.5	19.8
12 17	5 23.58	+11 40.8	2.141	3.109	3.8	19.8
12 27	5 15.13	+12 2.2	2.169	3.112	6.1	19.9
1 6	5 7.82	+12 31.3	2.225	3.115	9.1	20.1
1 16	5 2.31	+13 6.9	2.307	3.117	11.9	20.3

359574 2010 TT_{160} 12 14.1 172°.70 1°.4/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.98	+26 47.3	2.318	3.104	12.9	21.5
11 17	5 50.53	+27 8.5	2.232	3.107	10.1	21.4
11 27	5 42.77	+27 27.0	2.170	3.109	6.7	21.2
12 7	5 33.34	+27 40.7	2.135	3.110	3.2	20.9
12 17	5 23.15	+27 48.1	2.130	3.111	1.8	20.8
12 27	5 13.28	+27 49.2	2.156	3.112	5.1	21.1
1 6	5 4.74	+27 45.2	2.211	3.112	8.6	21.3
1 16	4 58.28	+27 38.7	2.291	3.112	11.7	21.5

486882 2014 KU_{58} 12 14.1 178°.51 2°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.97	+14 37.3	2.104	2.891	14.0	21.2
11 17	5 50.58	+14 53.4	2.018	2.892	11.0	21.0
11 27	5 42.85	+15 15.9	1.956	2.893	7.5	20.8
12 7	5 33.40	+15 44.6	1.921	2.893	3.8	20.6
12 17	5 23.13	+16 18.6	1.916	2.893	2.7	20.5
12 27	5 13.14	+16 56.9	1.941	2.893	5.9	20.7
1 6	5 4.46	+17 38.3	1.994	2.892	9.6	20.9
1 16	4 57.88	+18 22.0	2.074	2.891	12.8	21.1

339952 2005 UP_{141} 12 14.1 21°.58 1°.7/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.62	+24 3.5	1.131	1.968	20.5	19.8
11 17	5 51.37	+24 47.6	1.073	1.976	15.9	19.5
11 27	5 44.22	+25 32.6	1.035	1.985	10.6	19.2
12 7	5 34.17	+26 14.1	1.018	1.996	4.7	18.9
12 17	5 22.84	+26 47.7	1.025	2.007	2.5	18.8
12 27	5 12.29	+27 11.9	1.058	2.020	8.0	19.2
1 6	5 4.29	+27 28.0	1.114	2.034	13.3	19.5
1 16	4 59.92	+27 39.2	1.191	2.049	17.7	19.9

473580 2015 XW_{233} 12 14.1 27°.70 0°.5/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.12	+21 31.8	1.862	2.668	14.9	21.4
11 17	5 48.70	+21 37.0	1.785	2.672	11.5	21.2
11 27	5 41.73	+21 42.7	1.731	2.676	7.6	21.0
12 7	5 32.94	+21 48.2	1.703	2.681	3.2	20.7
12 17	5 23.35	+21 52.9	1.703	2.686	1.4	20.6
12 27	5 14.17	+21 57.1	1.732	2.691	5.8	20.9
1 6	5 6.53	+22 1.7	1.788	2.696	9.8	21.2
1 16	5 1.22	+22 8.1	1.869	2.702	13.4	21.4

350083 2011 KH_{2} 12 14.1 123°.11 0°.2/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.44	+21 35.2	1.819	2.616	15.5	21.2
11 17	5 52.81	+21 54.6	1.746	2.628	12.0	21.0
11 27	5 44.43	+22 15.0	1.696	2.638	7.9	20.8
12 7	5 34.08	+22 34.8	1.671	2.649	3.3	20.6
12 17	5 22.89	+22 52.5	1.676	2.659	1.4	20.4
12 27	5 12.19	+23 7.5	1.711	2.669	6.0	20.8
1 6	5 3.19	+23 20.6	1.773	2.678	10.1	21.0
1 16	4 56.74	+23 33.3	1.860	2.687	13.7	21.3

249928 2001 TV_{3} 12 14.1 105°.48 5°.4/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.37	+37 21.3	2.130	2.899	14.5	20.7
11 17	5 54.34	+38 12.5	2.060	2.913	11.7	20.5
11 27	5 45.46	+38 54.1	2.012	2.927	8.7	20.3
12 7	5 34.53	+39 21.0	1.991	2.941	6.2	20.2
12 17	5 22.72	+39 29.8	1.998	2.955	5.4	20.2
12 27	5 11.45	+39 20.4	2.034	2.968	7.2	20.3
1 6	5 1.97	+38 56.2	2.097	2.981	9.9	20.5
1 16	4 55.16	+38 22.5	2.185	2.994	12.6	20.7

27705 1985 DU_{1} 12 14.1 7°.20 2°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.31	+28 14.8	1.670	2.479	16.2	17.7
11 17	5 50.10	+28 28.3	1.593	2.479	12.7	17.4
11 27	5 42.90	+28 36.8	1.537	2.480	8.5	17.2
12 7	5 33.51	+28 37.6	1.507	2.482	4.2	16.9
12 17	5 23.14	+28 29.2	1.503	2.484	2.5	16.8
12 27	5 13.27	+28 12.5	1.527	2.486	6.5	17.1
1 6	5 5.24	+27 50.4	1.578	2.489	10.7	17.3
1 16	4 59.95	+27 26.8	1.652	2.492	14.5	17.6

332268 2006 SO_{21} 12 14.1 19°.04 4°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.50	+18 2.2	1.125	1.963	20.5	20.1
11 17	5 50.19	+17 1.7	1.064	1.967	16.1	19.9
11 27	5 43.25	+16 2.1	1.023	1.972	10.9	19.6
12 7	5 33.70	+15 7.5	1.004	1.978	5.8	19.4
12 17	5 23.10	+14 22.5	1.008	1.985	4.8	19.3
12 27	5 13.31	+13 51.4	1.038	1.993	9.3	19.6
1 6	5 5.91	+13 36.2	1.090	2.002	14.3	19.9
1 16	5 1.84	+13 36.9	1.163	2.012	18.7	20.2

222230 2000 GM_{34} 12 14.1 357°.17 5°.4/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.91	+31 1.1	1.059	1.900	21.2	19.5
11 17	5 50.03	+31 56.1	0.993	1.895	17.0	19.2
11 27	5 43.82	+32 44.4	0.944	1.891	12.0	18.9
12 7	5 34.19	+33 19.2	0.917	1.888	7.1	18.6
12 17	5 22.85	+33 34.1	0.912	1.887	5.6	18.5
12 27	5 12.17	+33 28.2	0.930	1.888	9.6	18.8
1 6	5 4.27	+33 6.1	0.970	1.890	14.7	19.0
1 16	5 0.47	+32 35.1	1.029	1.894	19.3	19.3

67645 2000 SZ_{221} 12 14.1 113°.41 2°.8/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.07	+15 22.8	1.602	2.399	17.3	18.7
11 17	5 54.92	+15 26.5	1.539	2.418	13.5	18.5
11 27	5 45.82	+15 36.5	1.497	2.436	9.1	18.3
12 7	5 34.67	+15 52.9	1.481	2.454	4.6	18.1
12 17	5 22.72	+16 14.8	1.493	2.472	3.2	18.1
12 27	5 11.44	+16 41.6	1.535	2.488	7.1	18.3
1 6	5 2.11	+17 12.6	1.603	2.504	11.3	18.6
1 16	4 55.56	+17 47.2	1.696	2.519	15.0	18.9

210661 2000 QG_{26} 12 14.1 48°.42 4°.5/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.69	+15 58.0	1.123	1.955	21.0	19.4
11 17	5 52.44	+15 16.3	1.073	1.971	16.4	19.2
11 27	5 44.57	+14 40.4	1.041	1.987	11.2	19.0
12 7	5 34.20	+14 13.3	1.032	2.005	6.1	18.8
12 17	5 22.95	+13 57.6	1.047	2.023	4.9	18.7
12 27	5 12.68	+13 55.0	1.087	2.041	9.1	19.0
1 6	5 4.88	+14 5.5	1.150	2.060	13.9	19.4
1 16	5 0.45	+14 27.6	1.234	2.079	18.1	19.7

437978 2003 SS_{41} 12 14.1 42°.81 7°.5/12.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.22	+13 11.5	1.231	2.050	20.3	20.5
11 17	5 52.76	+11 2.5	1.196	2.083	15.9	20.3
11 27	5 44.24	+ 9 1.2	1.183	2.117	11.5	20.2
12 7	5 33.87	+ 7 16.0	1.193	2.152	8.1	20.1
12 17	5 23.15	+ 5 54.3	1.229	2.187	7.9	20.2
12 27	5 13.62	+ 5 0.3	1.292	2.223	10.7	20.5
1 6	5 6.42	+ 4 33.9	1.378	2.259	14.2	20.8
1 16	5 2.16	+ 4 31.4	1.484	2.295	17.4	21.1

408125 2013 CF_{36} 12 14.1 279°.25 2°.9/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.01	+10 1.7	1.179	1.984	21.8	20.4
11 17	5 59.87	+11 27.2	1.092	1.974	17.5	20.1
11 27	5 50.38	+13 20.1	1.024	1.964	12.1	19.7
12 7	5 37.13	+15 38.2	0.980	1.954	6.1	19.4
12 17	5 21.55	+18 13.2	0.963	1.944	3.3	19.2
12 27	5 5.90	+20 52.8	0.975	1.934	9.1	19.5
1 6	4 52.50	+23 25.4	1.013	1.924	15.3	19.8
1 16	4 43.10	+25 44.7	1.074	1.914	20.6	20.1

36429 2000 PX_9 12 14.1 27°.87 0°.7/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.08	+21 30.5	1.105	1.940	21.0	17.6
11 17	5 53.39	+22 17.2	1.045	1.946	16.4	17.3
11 27	5 45.66	+23 8.7	1.003	1.954	10.8	17.0
12 7	5 34.86	+24 0.8	0.983	1.962	4.6	16.7
12 17	5 22.64	+24 48.7	0.988	1.971	2.0	16.6
12 27	5 11.16	+25 29.3	1.018	1.981	8.2	17.0
1 6	5 2.30	+26 2.6	1.072	1.991	13.7	17.3
1 16	4 57.21	+26 30.8	1.146	2.002	18.4	17.7

24713 Ekrutt 12 14.1 96°.90 3°.1/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.36	+30 46.0	1.649	2.440	17.1	19.3
11 17	5 56.86	+31 7.1	1.589	2.464	13.4	19.1
11 27	5 47.14	+31 20.4	1.551	2.487	9.1	18.9
12 7	5 35.23	+31 22.1	1.539	2.510	4.9	18.7
12 17	5 22.55	+31 10.2	1.555	2.532	3.3	18.7
12 27	5 10.76	+30 46.1	1.600	2.554	6.8	19.0
1 6	5 1.22	+30 14.3	1.672	2.575	10.8	19.2
1 16	4 54.74	+29 40.1	1.768	2.595	14.3	19.5

227270 2005 SY_{127} 12 14.1 313°.50 1°.9/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.94	+26 29.3	1.373	2.195	18.3	20.2
11 17	5 51.49	+26 50.0	1.285	2.179	14.5	20.0
11 27	5 44.40	+27 8.0	1.217	2.164	9.8	19.6
12 7	5 34.38	+27 20.1	1.171	2.148	4.6	19.3
12 17	5 22.79	+27 23.4	1.152	2.134	2.5	19.1
12 27	5 11.48	+27 17.5	1.159	2.119	7.7	19.4
1 6	5 2.26	+27 5.2	1.190	2.106	13.0	19.7
1 16	4 56.40	+26 50.8	1.242	2.093	17.6	19.9

246327 2007 TR_{218} 12 14.1 55°.77 1°.5/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.53	+26 15.2	1.627	2.435	16.6	20.6
11 17	5 51.70	+26 31.7	1.561	2.447	12.9	20.4
11 27	5 43.86	+26 44.9	1.515	2.459	8.5	20.1
12 7	5 33.90	+26 52.3	1.496	2.472	3.9	19.9
12 17	5 23.07	+26 52.4	1.503	2.485	2.0	19.8
12 27	5 12.88	+26 45.8	1.539	2.498	6.4	20.1
1 6	5 4.61	+26 34.9	1.601	2.511	10.7	20.4
1 16	4 59.14	+26 23.0	1.687	2.525	14.4	20.7

144460 2004 EZ_{43} 12 14.1 243°.64 2°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.44	+16 43.4	2.000	2.798	14.3	20.9
11 17	5 48.78	+16 25.7	1.913	2.794	11.2	20.7
11 27	5 41.75	+16 10.9	1.849	2.789	7.6	20.5
12 7	5 32.99	+15 59.9	1.812	2.785	3.9	20.3
12 17	5 23.43	+15 53.6	1.803	2.780	2.9	20.2
12 27	5 14.18	+15 53.1	1.824	2.776	6.3	20.4
1 6	5 6.29	+15 58.9	1.872	2.771	10.0	20.6
1 16	5 0.53	+16 11.2	1.944	2.766	13.4	20.8

494010 2016 AZ_{118} 12 14.1 12°.29 12°.7/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.48	−11 52.4	1.870	2.591	17.8	20.2
11 17	5 46.44	−12 38.4	1.810	2.595	16.0	20.0
11 27	5 40.15	−12 59.6	1.768	2.599	14.2	19.9
12 7	5 32.27	−12 50.0	1.747	2.605	13.0	19.9
12 17	5 23.75	−12 6.8	1.747	2.611	12.7	19.8
12 27	5 15.64	−10 50.7	1.772	2.618	13.4	19.9
1 6	5 8.93	− 9 6.7	1.819	2.625	14.8	20.0
1 16	5 4.29	− 7 2.2	1.887	2.634	16.5	20.2

517721 2015 KV_{148} 12 14.1 193°.28 2°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.99	+27 25.2	1.791	2.587	15.8	21.7
11 17	5 53.65	+28 0.4	1.707	2.586	12.4	21.5
11 27	5 45.26	+28 33.0	1.645	2.585	8.4	21.2
12 7	5 34.58	+28 59.3	1.609	2.583	4.2	21.0
12 17	5 22.76	+29 16.3	1.602	2.582	2.6	20.9
12 27	5 11.32	+29 23.2	1.624	2.579	6.5	21.1
1 6	5 1.65	+29 21.8	1.673	2.577	10.7	21.3
1 16	4 54.75	+29 15.6	1.746	2.574	14.4	21.6

494422 2016 UM_{81} 12 14.1 81°.88 2°.1/13.9 16 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.24	+19 5.1	1.552	2.357	17.4	22.2
11 17	5 53.48	+18 44.4	1.496	2.382	13.4	22.0
11 27	5 44.82	+18 25.5	1.462	2.405	8.8	21.8
12 7	5 34.23	+18 8.9	1.453	2.429	4.1	21.6
12 17	5 22.99	+17 55.4	1.472	2.452	2.6	21.6
12 27	5 12.57	+17 46.5	1.520	2.475	6.9	21.9
1 6	5 4.17	+17 43.5	1.594	2.498	11.1	22.2
1 16	4 58.54	+17 47.0	1.691	2.520	14.7	22.5

487898 2015 TV_{167} 12 14.1 99°.96 0°.3/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.53	+21 54.8	1.972	2.770	14.5	21.1
11 17	5 50.37	+22 2.4	1.898	2.780	11.2	20.9
11 27	5 42.75	+22 10.1	1.847	2.790	7.3	20.7
12 7	5 33.39	+22 17.0	1.823	2.800	3.1	20.5
12 17	5 23.30	+22 22.3	1.827	2.810	1.3	20.3
12 27	5 13.66	+22 26.2	1.862	2.820	5.6	20.6
1 6	5 5.54	+22 29.9	1.924	2.829	9.4	20.9
1 16	4 59.70	+22 34.6	2.011	2.839	12.8	21.1

469752 2005 QF_{10} 12 14.1 91°.30 0°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.80	+24 29.1	1.590	2.392	17.2	21.8
11 17	5 54.81	+24 30.7	1.531	2.414	13.2	21.6
11 27	5 45.76	+24 29.5	1.493	2.436	8.7	21.4
12 7	5 34.65	+24 24.0	1.480	2.458	3.7	21.2
12 17	5 22.81	+24 13.5	1.496	2.479	1.5	21.0
12 27	5 11.79	+23 59.4	1.541	2.500	6.4	21.4
1 6	5 2.87	+23 44.4	1.613	2.520	10.8	21.7
1 16	4 56.84	+23 31.4	1.708	2.540	14.5	22.0

313334 2002 GA_2 12 14.1 178°.52 5°.6/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.60	+ 0 38.3	3.207	3.944	10.7	21.8
11 17	5 46.35	+ 0 18.2	3.122	3.946	8.9	21.7
11 27	5 39.67	+ 0 7.9	3.062	3.947	7.2	21.5
12 7	5 32.01	+ 0 9.4	3.029	3.948	5.9	21.5
12 17	5 23.91	+ 0 23.9	3.025	3.948	5.6	21.4
12 27	5 16.01	+ 0 51.4	3.051	3.948	6.7	21.5
1 6	5 8.90	+ 1 30.9	3.106	3.947	8.4	21.6
1 16	5 3.08	+ 2 20.3	3.187	3.945	10.1	21.8

484519 2008 EJ_{105} 12 14.1 270°.22 3°.5/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.11	+13 38.6	2.062	2.855	14.1	21.5
11 17	5 48.57	+13 25.4	1.965	2.841	11.1	21.3
11 27	5 41.68	+13 17.6	1.890	2.826	7.8	21.1
12 7	5 33.02	+13 16.7	1.842	2.811	4.5	20.9
12 17	5 23.45	+13 23.5	1.822	2.796	3.7	20.8
12 27	5 14.06	+13 38.6	1.832	2.780	6.6	20.9
1 6	5 5.90	+14 1.6	1.869	2.765	10.3	21.1
1 16	4 59.79	+14 32.0	1.931	2.749	13.6	21.3

456296 2006 SB_{119} 12 14.1 163°.16 0°.6/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 6.45	+30 38.6	1.230	2.039	20.9	20.2
11 17	6 0.26	+29 22.8	1.155	2.041	16.4	19.9
11 27	5 49.88	+27 48.7	1.099	2.043	11.0	19.6
12 7	5 36.53	+25 56.4	1.068	2.045	4.8	19.3
12 17	5 22.11	+23 50.6	1.064	2.046	1.9	19.1
12 27	5 8.84	+21 42.0	1.088	2.048	8.2	19.5
1 6	4 58.51	+19 42.6	1.138	2.048	14.0	19.8
1 16	4 52.09	+18 1.2	1.210	2.049	18.8	20.1

18478 1995 WT_{15} 12 14.1 54°.98 1°.0/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.48	+25 42.6	1.941	2.741	14.6	18.3
11 17	5 49.72	+25 52.6	1.866	2.748	11.3	18.1
11 27	5 42.41	+25 59.8	1.813	2.756	7.5	17.9
12 7	5 33.29	+26 2.6	1.786	2.763	3.3	17.7
12 17	5 23.40	+26 0.0	1.789	2.771	1.6	17.6
12 27	5 13.97	+25 52.5	1.820	2.779	5.6	17.9
1 6	5 6.10	+25 42.2	1.879	2.786	9.5	18.1
1 16	5 0.58	+25 31.4	1.962	2.794	12.9	18.4

316521 2010 VZ_{192} 12 14.1 81°.81 1°.2/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.45	+25 18.1	2.036	2.832	14.1	20.8
11 17	5 50.36	+25 43.5	1.961	2.842	11.0	20.6
11 27	5 42.79	+26 7.3	1.910	2.851	7.3	20.4
12 7	5 33.45	+26 27.2	1.885	2.861	3.3	20.2
12 17	5 23.33	+26 41.6	1.889	2.871	1.7	20.1
12 27	5 13.64	+26 50.1	1.923	2.880	5.5	20.4
1 6	5 5.45	+26 54.0	1.985	2.890	9.2	20.6
1 16	4 59.54	+26 55.5	2.072	2.899	12.4	20.8

322242 2011 CW_{41} 12 14.1 45°.41 4°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.91	+16 12.3	1.070	1.903	21.7	19.9
11 17	5 53.29	+15 36.4	1.031	1.930	16.8	19.7
11 27	5 45.01	+15 7.2	1.011	1.958	11.3	19.5
12 7	5 34.36	+14 47.1	1.013	1.987	6.0	19.3
12 17	5 23.04	+14 37.9	1.039	2.016	4.6	19.3
12 27	5 12.92	+14 40.6	1.090	2.046	8.9	19.6
1 6	5 5.43	+14 54.7	1.165	2.076	13.6	20.0
1 16	5 1.33	+15 18.6	1.260	2.107	17.7	20.3

360687 2004 RP_{340} 12 14.1 66°.12 0°.5/14.1 18

11 7	5 57.01	+22 21.6	1.988	2.782	14.5	20.4
11 17	5 51.43	+23 1.0	1.926	2.806	11.1	20.3
11 27	5 43.39	+23 41.1	1.888	2.830	7.3	20.1
12 7	5 33.66	+24 19.6	1.876	2.854	3.1	19.9
12 17	5 23.26	+24 54.1	1.895	2.877	1.3	19.8
12 27	5 13.39	+25 23.6	1.943	2.901	5.4	20.1
1 6	5 5.08	+25 48.3	2.020	2.925	9.1	20.4
1 16	4 59.08	+26 9.6	2.123	2.948	12.3	20.6

454433 2014 OS_{16} 12 14.1 221°.32 2°.5/13.8 18

11 7	5 53.49	+16 33.9	2.008	2.806	14.2	21.9
11 17	5 48.80	+16 20.8	1.924	2.804	11.1	21.7
11 27	5 41.76	+16 11.1	1.862	2.803	7.5	21.4
12 7	5 33.02	+16 5.6	1.828	2.801	3.9	21.2
12 17	5 23.50	+16 4.8	1.821	2.799	2.9	21.1
12 27	5 14.31	+16 9.4	1.845	2.797	6.2	21.3
1 6	5 6.47	+16 19.9	1.895	2.795	9.9	21.6
1 16	5 0.75	+16 36.1	1.971	2.793	13.2	21.8

47517 2000 AT_{71} 12 14.1 144°.72 1°.8/13.9 18 R

11 7	5 59.00	+18 39.2	1.799	2.594	15.7	19.2
11 17	5 53.22	+18 33.5	1.724	2.604	12.2	19.0
11 27	5 44.72	+18 30.1	1.672	2.613	8.1	18.8
12 7	5 34.28	+18 28.8	1.646	2.621	3.8	18.5
12 17	5 23.02	+18 29.8	1.649	2.629	2.3	18.4
12 27	5 12.27	+18 33.4	1.681	2.636	6.4	18.7
1 6	5 3.22	+18 40.5	1.741	2.643	10.5	19.0
1 16	4 56.69	+18 51.8	1.826	2.649	14.1	19.2

308296 2005 JA_{103} 12 14.1 184°.13 1°.7/14.1 18

11 7	5 56.06	+16 30.9	2.130	2.918	13.8	20.6
11 17	5 50.71	+16 52.3	2.043	2.919	10.8	20.4
11 27	5 43.00	+17 18.9	1.979	2.919	7.2	20.1
12 7	5 33.57	+17 50.1	1.943	2.918	3.4	19.9
12 17	5 23.29	+18 24.5	1.937	2.917	2.1	19.8
12 27	5 13.28	+19 1.1	1.961	2.916	5.6	20.0
1 6	5 4.56	+19 39.0	2.015	2.915	9.4	20.3
1 16	4 57.94	+20 17.8	2.093	2.913	12.6	20.5

494973 2009 VT_{96} 12 14.1 359°.17 2°.0/13.9 17

11 7	5 54.14	+23 9.2	1.628	2.441	16.4	20.0
11 17	5 50.22	+24 26.7	1.548	2.438	12.8	19.7
11 27	5 43.23	+25 49.0	1.490	2.436	8.5	19.5
12 7	5 33.83	+27 11.2	1.458	2.435	4.0	19.2
12 17	5 23.17	+28 27.8	1.454	2.435	2.5	19.1
12 27	5 12.74	+29 34.4	1.478	2.436	6.8	19.4
1 6	5 4.01	+30 29.7	1.529	2.438	11.2	19.7
1 16	4 58.08	+31 14.7	1.603	2.441	15.0	19.9

433516 2013 WR_{62} 12 14.1 45°.35 4°.3/14.1 18

11 7	5 56.23	+13 17.8	1.249	2.070	19.9	20.6
11 17	5 51.96	+13 13.1	1.190	2.082	15.6	20.3
11 27	5 44.30	+13 18.8	1.151	2.094	10.8	20.1
12 7	5 34.19	+13 36.1	1.135	2.107	6.0	19.9
12 17	5 23.09	+14 4.8	1.144	2.120	4.6	19.8
12 27	5 12.71	+14 43.8	1.179	2.133	8.5	20.1
1 6	5 4.54	+15 30.7	1.238	2.147	13.2	20.4
1 16	4 59.52	+16 23.1	1.319	2.162	17.3	20.7

184812 2005 TK_{129} 12 14.1 65°.39 0°.4/14.0 18

11 7	5 54.00	+22 34.4	1.961	2.762	14.4	20.8
11 17	5 49.23	+22 27.8	1.885	2.769	11.1	20.6
11 27	5 42.03	+22 20.1	1.833	2.777	7.3	20.4
12 7	5 33.13	+22 10.8	1.807	2.784	3.1	20.1
12 17	5 23.52	+22 0.0	1.809	2.792	1.4	20.0
12 27	5 14.36	+21 48.8	1.841	2.800	5.6	20.3
1 6	5 6.70	+21 38.9	1.901	2.808	9.5	20.6
1 16	5 1.29	+21 31.8	1.986	2.816	12.8	20.8

210470 1995 SO_{18} 12 14.1 2°.29 3°.0/14.4 18

11 7	5 54.26	+28 56.0	1.378	2.199	18.3	20.5
11 17	5 50.76	+29 20.9	1.305	2.198	14.4	20.2
11 27	5 43.73	+29 40.2	1.253	2.197	9.8	19.9
12 7	5 34.04	+29 50.1	1.223	2.198	5.1	19.7
12 17	5 23.12	+29 47.8	1.219	2.199	3.3	19.6
12 27	5 12.78	+29 33.9	1.242	2.201	7.5	19.8
1 6	5 4.64	+29 11.9	1.289	2.204	12.2	20.1
1 16	4 59.77	+28 46.9	1.358	2.208	16.4	20.4

48084 2001 FV_{37} 12 14.1 179°.20 0°.9/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.92	+26 18.4	2.143	2.932	13.7	20.0
11 17	5 51.41	+26 15.5	2.057	2.933	10.7	19.8
11 27	5 43.45	+26 8.7	1.994	2.934	7.1	19.6
12 7	5 33.74	+25 56.7	1.958	2.934	3.2	19.3
12 17	5 23.27	+25 39.0	1.952	2.934	1.4	19.2
12 27	5 13.20	+25 16.8	1.976	2.934	5.3	19.5
1 6	5 4.59	+24 52.5	2.029	2.933	9.1	19.7
1 16	4 58.22	+24 29.0	2.108	2.931	12.4	19.9

412751 2014 OC_{370} 12 14.1 120°.39 0°.4/14.2 18

11 7	5 54.63	+24 13.5	2.255	3.046	13.1	21.9
11 17	5 49.45	+24 19.9	2.176	3.054	10.1	21.8
11 27	5 42.07	+24 24.6	2.121	3.063	6.6	21.6
12 7	5 33.13	+24 26.5	2.094	3.071	2.8	21.3
12 17	5 23.53	+24 24.9	2.096	3.079	1.2	21.2
12 27	5 14.33	+24 20.4	2.129	3.086	5.0	21.5
1 6	5 6.46	+24 14.3	2.190	3.094	8.5	21.7
1 16	5 0.62	+24 8.5	2.277	3.101	11.6	22.0

405211 2003 PD_{6} 12 14.1 152°.02 18°.4/14.4 18

11 7	5 58.17	−14 21.8	1.306	2.035	23.8	20.5
11 17	5 53.36	−16 8.0	1.254	2.038	21.7	20.4
11 27	5 45.19	−17 21.2	1.218	2.041	19.9	20.3
12 7	5 34.59	−17 49.9	1.199	2.044	18.7	20.2
12 17	5 22.93	−17 26.9	1.199	2.046	18.4	20.2
12 27	5 11.90	−16 11.8	1.217	2.048	19.2	20.3
1 6	5 2.99	−14 12.1	1.255	2.050	20.8	20.4
1 16	4 57.17	−11 39.6	1.310	2.051	22.8	20.5

9105 Matsumura 12 14.1 72°.03 1°.0/14.2 18 R

11 7	5 54.83	+25 53.5	2.002	2.800	14.3	18.5
11 17	5 49.91	+26 2.8	1.927	2.808	11.1	18.3
11 27	5 42.50	+26 9.2	1.875	2.817	7.3	18.0
12 7	5 33.34	+26 11.0	1.849	2.826	3.3	17.8
12 17	5 23.45	+26 7.3	1.852	2.834	1.6	17.7
12 27	5 14.01	+25 58.9	1.885	2.843	5.5	18.0
1 6	5 6.10	+25 47.4	1.945	2.852	9.3	18.2
1 16	5 0.49	+25 35.6	2.030	2.860	12.6	18.5

121832 2000 BZ_{21} 12 14.1 55°.02 0°.6/14.0 18

11 7	5 53.41	+21 32.6	2.001	2.802	14.2	20.1
11 17	5 48.63	+21 31.2	1.934	2.818	10.9	20.0
11 27	5 41.55	+21 29.8	1.891	2.835	7.1	19.8
12 7	5 32.90	+21 28.0	1.874	2.852	3.0	19.5
12 17	5 23.65	+21 25.7	1.887	2.869	1.4	19.5
12 27	5 14.89	+21 23.4	1.928	2.886	5.4	19.8
1 6	5 7.61	+21 22.3	1.997	2.904	9.1	20.0
1 16	5 2.48	+21 23.6	2.092	2.921	12.3	20.3

397973 2009 AO_{43} 12 14.1 327°.41 4°.0/13.7 18

11 7	5 52.96	+14 25.4	1.590	2.401	16.7	21.4
11 17	5 49.03	+14 1.6	1.508	2.395	13.2	21.2
11 27	5 42.25	+13 43.5	1.448	2.388	9.2	20.9
12 7	5 33.35	+13 33.2	1.412	2.382	5.3	20.7
12 17	5 23.43	+13 32.2	1.402	2.377	4.3	20.6
12 27	5 13.86	+13 41.7	1.420	2.371	7.8	20.8
1 6	5 5.94	+14 1.3	1.464	2.367	12.0	21.0
1 16	5 0.60	+14 30.3	1.530	2.362	15.8	21.3

446739 2015 OV_{77} 12 14.1 140°.54 6°.0/15.1 18

11 7	6 1.70	+39 31.6	2.089	2.851	14.9	21.1
11 17	5 55.59	+40 15.1	2.012	2.859	12.2	20.9
11 27	5 46.44	+40 47.0	1.958	2.866	9.3	20.8
12 7	5 35.08	+41 2.1	1.928	2.873	6.8	20.6
12 17	5 22.75	+40 56.8	1.927	2.880	6.0	20.6
12 27	5 10.99	+40 31.4	1.955	2.886	7.6	20.7
1 6	5 1.14	+39 50.0	2.009	2.891	10.3	20.9
1 16	4 54.12	+38 58.9	2.088	2.897	13.1	21.1

476620 2008 SD_{157} 12 14.1 53°.76 0°.6/14.0 16

11 7	5 58.14	+22 40.8	1.347	2.165	18.8	21.3
11 17	5 53.13	+22 30.4	1.296	2.189	14.5	21.1
11 27	5 44.83	+22 18.7	1.265	2.212	9.5	20.9
12 7	5 34.33	+22 5.2	1.258	2.236	4.0	20.6
12 17	5 23.11	+21 50.1	1.278	2.261	1.7	20.5
12 27	5 12.83	+21 35.3	1.325	2.285	7.0	20.9
1 6	5 4.85	+21 23.1	1.397	2.310	11.7	21.3
1 16	4 59.95	+21 15.7	1.492	2.334	15.6	21.6

236680 2006 QH_{64} 12 14.1 59°.63 9°.1/13.4 18

11 7	5 55.77	+ 1 53.3	1.675	2.451	17.5	19.6
11 17	5 50.32	+ 0 34.0	1.638	2.485	14.5	19.5
11 27	5 42.52	− 0 28.8	1.621	2.519	11.6	19.4
12 7	5 33.24	− 1 9.8	1.629	2.553	9.6	19.3
12 17	5 23.57	− 1 25.9	1.662	2.587	9.3	19.4
12 27	5 14.66	− 1 16.8	1.721	2.621	10.7	19.5
1 6	5 7.46	− 0 45.5	1.805	2.654	13.0	19.8
1 16	5 2.58	+ 0 3.2	1.911	2.687	15.3	20.0

515051 2010 *GA* 12 14.1 146°.59 5°.2/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.08	+ 8 12.2	2.353	3.126	13.1	22.6
11 17	5 48.72	+ 7 30.7	2.279	3.136	10.6	22.4
11 27	5 41.44	+ 6 56.5	2.228	3.145	7.9	22.3
12 7	5 32.84	+ 6 32.3	2.204	3.154	5.7	22.2
12 17	5 23.71	+ 6 20.0	2.210	3.163	5.3	22.2
12 27	5 14.94	+ 6 20.7	2.245	3.171	7.2	22.3
1 6	5 7.35	+ 6 33.9	2.308	3.178	9.7	22.5
1 16	5 1.54	+ 6 58.3	2.396	3.184	12.2	22.6

367008 2006 AA_{78} 12 14.1 167°.35 4°.5/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.30	+ 8 32.9	2.370	3.147	12.9	21.1
11 17	5 47.47	+ 8 24.0	2.287	3.148	10.4	20.9
11 27	5 40.71	+ 8 23.5	2.227	3.149	7.6	20.8
12 7	5 32.57	+ 8 33.2	2.194	3.151	5.1	20.6
12 17	5 23.81	+ 8 53.5	2.190	3.152	4.6	20.6
12 27	5 15.31	+ 9 24.4	2.216	3.152	6.5	20.7
1 6	5 7.90	+10 4.7	2.271	3.153	9.3	20.9
1 16	5 2.23	+10 52.4	2.350	3.153	12.0	21.1

288092 2003 WJ_9 12 14.1 46°.01 0°.8/14.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.23	+27 45.3	1.465	2.278	17.9	20.2
11 17	5 52.38	+27 15.0	1.404	2.294	13.8	20.0
11 27	5 44.33	+26 36.7	1.364	2.310	9.1	19.8
12 7	5 34.14	+25 50.3	1.349	2.326	4.0	19.5
12 17	5 23.23	+24 57.2	1.360	2.343	1.7	19.4
12 27	5 13.19	+24 1.5	1.399	2.360	6.6	19.8
1 6	5 5.35	+23 8.2	1.465	2.378	11.2	20.1
1 16	5 0.49	+22 21.8	1.553	2.395	15.1	20.4

451257 2010 LR_{55} 12 14.1 32°.69 6°.1/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.59	+11 6.0	1.357	2.176	18.7	20.5
11 17	5 48.59	+10 14.2	1.313	2.200	14.8	20.3
11 27	5 41.73	+ 9 32.6	1.289	2.225	10.6	20.2
12 7	5 33.01	+ 9 5.2	1.288	2.251	7.1	20.0
12 17	5 23.69	+ 8 54.6	1.313	2.278	6.4	20.1
12 27	5 15.20	+ 9 1.5	1.363	2.306	9.1	20.3
1 6	5 8.66	+ 9 24.3	1.438	2.334	12.7	20.6
1 16	5 4.79	+ 9 59.9	1.534	2.364	16.0	20.9

494115 2016 CG_{105} 12 14.1 353°.35 9°.0/13.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.83	− 5 14.8	2.404	3.139	13.9	21.2
11 17	5 45.52	− 6 3.7	2.331	3.138	12.1	21.0
11 27	5 39.40	− 6 37.2	2.279	3.138	10.4	20.9
12 7	5 32.01	− 6 51.0	2.250	3.137	9.3	20.9
12 17	5 24.05	− 6 42.5	2.248	3.137	9.1	20.9
12 27	5 16.37	− 6 11.2	2.272	3.137	10.0	20.9
1 6	5 9.73	− 5 19.1	2.320	3.137	11.6	21.0
1 16	5 4.73	− 4 10.0	2.391	3.137	13.5	21.2

480226 2015 GP_{41} 12 14.1 245°.82 5°.0/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.71	+11 39.6	1.560	2.362	17.5	21.5
11 17	5 52.04	+11 21.5	1.475	2.354	14.0	21.3
11 27	5 44.33	+11 12.3	1.410	2.345	10.0	21.0
12 7	5 34.30	+11 14.6	1.370	2.337	6.1	20.8
12 17	5 23.09	+11 29.6	1.357	2.328	5.2	20.7
12 27	5 12.17	+11 57.7	1.372	2.319	8.5	20.9
1 6	5 2.96	+12 37.4	1.412	2.310	12.8	21.1
1 16	4 56.48	+13 26.8	1.475	2.300	16.7	21.3

300558 2007 TB_{299} 12 14.1 46°.96 1°.3/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.86	+21 2.4	1.648	2.458	16.3	20.9
11 17	5 50.31	+20 43.3	1.576	2.464	12.6	20.7
11 27	5 42.96	+20 23.9	1.525	2.470	8.3	20.5
12 7	5 33.61	+20 4.4	1.499	2.477	3.7	20.2
12 17	5 23.42	+19 45.8	1.502	2.483	2.0	20.1
12 27	5 13.78	+19 29.5	1.532	2.490	6.5	20.4
1 6	5 5.91	+19 17.7	1.589	2.497	10.9	20.7
1 16	5 0.63	+19 11.7	1.669	2.504	14.6	20.9

132580 2002 JR_{117} 12 14.1 288°.18 7°.9/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.50	+ 3 49.2	1.728	2.511	16.8	19.4
11 17	5 49.17	+ 3 14.6	1.646	2.503	13.9	19.2
11 27	5 42.23	+ 2 54.0	1.584	2.495	10.9	19.0
12 7	5 33.35	+ 2 51.8	1.546	2.487	8.5	18.8
12 17	5 23.50	+ 3 10.8	1.534	2.479	8.0	18.8
12 27	5 13.93	+ 3 51.4	1.548	2.471	9.9	18.9
1 6	5 5.82	+ 4 51.0	1.589	2.464	13.0	19.0
1 16	5 0.04	+ 6 5.4	1.651	2.456	16.1	19.2

28586 2000 EB_{113} 12 14.1 203°.19 0°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.24	+24 4.0	2.886	3.669	10.7	19.7
11 17	5 47.25	+24 7.4	2.791	3.665	8.3	19.5
11 27	5 40.49	+24 9.2	2.721	3.661	5.5	19.3
12 7	5 32.48	+24 8.9	2.680	3.657	2.3	19.1
12 17	5 23.88	+24 6.0	2.669	3.652	1.0	19.0
12 27	5 15.50	+24 0.9	2.690	3.647	4.2	19.2
1 6	5 8.09	+23 54.5	2.741	3.641	7.2	19.4
1 16	5 2.25	+23 48.4	2.818	3.636	9.8	19.6

369442 2010 AV_{70} 12 14.1 47°.02 6°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.40	+ 1 38.1	2.156	2.919	14.5	20.2
11 17	5 47.63	+ 1 32.2	2.086	2.929	12.0	20.1
11 27	5 40.83	+ 1 40.8	2.038	2.940	9.4	19.9
12 7	5 32.63	+ 2 6.3	2.016	2.950	7.3	19.8
12 17	5 23.84	+ 2 49.3	2.021	2.961	6.8	19.8
12 27	5 15.41	+ 3 48.4	2.055	2.972	8.2	19.9
1 6	5 8.20	+ 5 0.8	2.116	2.984	10.5	20.1
1 16	5 2.86	+ 6 22.4	2.202	2.995	13.0	20.3

229984 1999 XN_{63} 12 14.1 12°.17 0°.2/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.02	+24 17.5	1.507	2.330	16.9	20.0
11 17	5 47.68	+24 9.6	1.439	2.335	13.1	19.8
11 27	5 41.39	+23 58.9	1.393	2.341	8.6	19.6
12 7	5 32.99	+23 44.8	1.370	2.348	3.7	19.3
12 17	5 23.72	+23 27.6	1.374	2.357	1.5	19.1
12 27	5 15.04	+23 8.8	1.405	2.366	6.5	19.5
1 6	5 8.22	+22 51.0	1.461	2.377	11.0	19.8
1 16	5 4.11	+22 36.7	1.540	2.389	14.9	20.1

193740 2001 FK_{188} 12 14.1 344°.22 6°.9/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.98	+ 6 39.2	1.360	2.172	19.1	18.8
11 17	5 48.73	+ 6 35.4	1.282	2.162	15.6	18.6
11 27	5 42.34	+ 6 48.9	1.223	2.154	11.6	18.3
12 7	5 33.52	+ 7 23.4	1.187	2.146	8.1	18.1
12 17	5 23.46	+ 8 19.6	1.175	2.139	7.1	18.0
12 27	5 13.70	+ 9 35.6	1.189	2.134	9.8	18.2
1 6	5 5.72	+11 6.4	1.227	2.129	13.9	18.4
1 16	5 0.61	+12 46.0	1.287	2.126	17.8	18.6

350442 1979 ME_2 12 14.1 60°.73 3°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.32	+13 19.1	1.468	2.271	18.3	19.9
11 17	5 53.53	+13 13.1	1.423	2.305	14.2	19.7
11 27	5 44.86	+13 15.7	1.400	2.338	9.7	19.5
12 7	5 34.32	+13 27.5	1.402	2.372	5.4	19.3
12 17	5 23.24	+13 48.3	1.430	2.405	4.2	19.4
12 27	5 13.05	+14 17.2	1.487	2.438	7.5	19.6
1 6	5 4.93	+14 52.8	1.570	2.471	11.5	19.9
1 16	4 59.59	+15 33.3	1.677	2.504	14.9	20.2

161787 2006 UA_{192} 12 14.1 237°.77 0°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.68	+22 43.6	1.954	2.754	14.5	20.3
11 17	5 49.84	+22 12.7	1.869	2.752	11.2	20.1
11 27	5 42.51	+21 38.9	1.808	2.751	7.4	19.8
12 7	5 33.41	+21 2.6	1.773	2.750	3.2	19.6
12 17	5 23.55	+20 25.3	1.767	2.749	1.7	19.4
12 27	5 14.12	+19 49.3	1.791	2.748	5.8	19.7
1 6	5 6.20	+19 17.3	1.842	2.746	9.8	20.0
1 16	5 0.55	+18 51.6	1.918	2.745	13.3	20.2

218135 2002 QC_{126} 12 14.1 54°.50 3°.2/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.12	+17 45.1	1.264	2.087	19.6	20.5
11 17	5 52.55	+17 13.8	1.209	2.104	15.2	20.3
11 27	5 44.60	+16 46.0	1.174	2.120	10.2	20.0
12 7	5 34.33	+16 23.4	1.162	2.138	5.1	19.8
12 17	5 23.22	+16 7.8	1.176	2.155	3.7	19.8
12 27	5 12.98	+16 0.8	1.217	2.173	8.1	20.1
1 6	5 5.02	+16 3.2	1.281	2.191	12.8	20.4
1 16	5 0.20	+16 15.1	1.367	2.209	16.9	20.7

454544 2014 ON_{351} 12 14.1 308°.77 4°.2/15.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.31	+35 30.8	1.855	2.642	15.6	20.8
11 17	5 52.44	+35 33.3	1.765	2.634	12.6	20.6
11 27	5 44.51	+35 24.1	1.697	2.626	9.1	20.4
12 7	5 34.35	+34 59.5	1.655	2.618	5.6	20.1
12 17	5 23.18	+34 18.0	1.639	2.611	4.3	20.0
12 27	5 12.53	+33 21.4	1.653	2.604	6.9	20.2
1 6	5 3.75	+32 15.1	1.693	2.597	10.6	20.4
1 16	4 57.78	+31 5.5	1.758	2.590	14.1	20.6

36174 1999 SW_2 12 14.1 282°.55 0°.7/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.53	+25 6.7	2.141	2.937	13.5	18.6
11 17	5 48.95	+25 11.9	2.047	2.928	10.5	18.4
11 27	5 41.98	+25 14.8	1.976	2.918	7.0	18.1
12 7	5 33.24	+25 14.2	1.932	2.909	3.1	17.9
12 17	5 23.63	+25 9.2	1.917	2.900	1.3	17.7
12 27	5 14.28	+25 0.3	1.932	2.891	5.3	18.0
1 6	5 6.26	+24 49.3	1.975	2.881	9.2	18.2
1 16	5 0.38	+24 38.2	2.043	2.872	12.5	18.4

195902 2002 RY_{44} 12 14.1 48°.03 0°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.98	+23 3.9	2.056	2.856	13.9	20.0
11 17	5 48.34	+23 9.0	1.987	2.870	10.7	19.9
11 27	5 41.42	+23 13.3	1.940	2.884	7.0	19.7
12 7	5 32.92	+23 15.8	1.921	2.898	3.0	19.4
12 17	5 23.79	+23 16.2	1.930	2.913	1.2	19.3
12 27	5 15.12	+23 14.7	1.969	2.928	5.2	19.6
1 6	5 7.88	+23 12.8	2.036	2.943	8.9	19.9
1 16	5 2.76	+23 11.8	2.127	2.958	12.1	20.1

449178 2013 BG_{66} 12 14.1 174°.29 4°.5/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.10	+ 9 14.1	2.350	3.125	13.1	21.5
11 17	5 48.87	+ 8 56.6	2.267	3.128	10.5	21.3
11 27	5 41.65	+ 8 46.8	2.207	3.130	7.6	21.1
12 7	5 33.02	+ 8 46.4	2.174	3.131	5.1	21.0
12 17	5 23.75	+ 8 56.3	2.171	3.132	4.6	21.0
12 27	5 14.76	+ 9 16.9	2.198	3.133	6.6	21.1
1 6	5 6.92	+ 9 47.2	2.252	3.133	9.5	21.3
1 16	5 0.86	+10 25.8	2.333	3.132	12.2	21.4

172213 2002 QA_{110} 12 14.1 19°.79 0°.5/14.2 18

11 7	5 55.01	+24 54.8	1.643	2.453	16.3	20.5
11 17	5 50.62	+24 50.7	1.566	2.455	12.7	20.3
11 27	5 43.29	+24 43.4	1.512	2.457	8.4	20.0
12 7	5 33.83	+24 31.8	1.482	2.460	3.6	19.8
12 17	5 23.43	+24 15.5	1.480	2.463	1.5	19.6
12 27	5 13.55	+23 56.1	1.506	2.466	6.3	19.9
1 6	5 5.49	+23 36.2	1.558	2.470	10.8	20.2
1 16	5 0.14	+23 18.6	1.634	2.474	14.7	20.5

460828 2014 WS_{64} 12 14.1 16°.57 0°.7/14.1 16

11 7	5 51.51	+21 14.7	1.867	2.676	14.7	21.8
11 17	5 47.51	+21 17.1	1.792	2.680	11.4	21.6
11 27	5 41.04	+21 20.1	1.740	2.686	7.5	21.4
12 7	5 32.83	+21 23.3	1.714	2.692	3.2	21.1
12 17	5 23.84	+21 26.4	1.716	2.698	1.5	21.0
12 27	5 15.27	+21 29.6	1.746	2.705	5.7	21.3
1 6	5 8.19	+21 34.0	1.803	2.713	9.7	21.6
1 16	5 3.36	+21 40.5	1.885	2.721	13.1	21.8

179242 2001 UF_{96} 12 14.1 164°.59 1°.5/13.9 18

11 7	5 54.17	+19 43.1	2.110	2.906	13.7	20.6
11 17	5 49.25	+19 28.9	2.027	2.907	10.6	20.4
11 27	5 42.05	+19 15.3	1.967	2.909	7.1	20.2
12 7	5 33.23	+19 2.6	1.934	2.910	3.2	20.0
12 17	5 23.69	+18 51.3	1.931	2.912	1.9	19.9
12 27	5 14.51	+18 42.6	1.957	2.913	5.6	20.1
1 6	5 6.68	+18 37.4	2.012	2.913	9.3	20.4
1 16	5 0.93	+18 37.0	2.091	2.914	12.5	20.6

8405 Asbolus 12 14.1 86°.33 0°.7/15.2 11 CR

11 7	5 33.39	+41 6.2	22.451	23.183	1.7	22.9
11 17	5 31.74	+41 10.1	22.376	23.201	1.4	22.9
11 27	5 29.89	+41 12.5	22.327	23.218	1.1	22.8
12 7	5 27.90	+41 13.3	22.306	23.235	0.8	22.8
12 17	5 25.86	+41 12.6	22.315	23.253	0.8	22.8
12 27	5 23.84	+41 10.2	22.354	23.270	0.9	22.8
1 6	5 21.94	+41 6.5	22.422	23.287	1.2	22.9
1 16	5 20.22	+41 1.4	22.517	23.304	1.5	22.9

217167 2002 PH_{155} 12 14.1 67°.44 0°.1/14.1 18

11 7	5 53.43	+22 45.8	2.199	2.994	13.2	20.5
11 17	5 48.52	+22 48.6	2.129	3.010	10.2	20.3
11 27	5 41.46	+22 50.6	2.083	3.026	6.7	20.1
12 7	5 32.94	+22 51.1	2.064	3.041	2.8	19.9
12 17	5 23.83	+22 49.8	2.074	3.057	1.1	19.8
12 27	5 15.16	+22 47.2	2.115	3.073	5.0	20.1
1 6	5 7.85	+22 44.4	2.183	3.088	8.5	20.3
1 16	5 2.54	+22 42.9	2.277	3.104	11.5	20.6

209558 2004 XO_{2} 12 14.1 194°.52 4°.7/14.5 18

11 7	6 3.30	+32 28.9	1.600	2.391	17.5	19.9
11 17	5 57.65	+33 16.2	1.518	2.390	14.0	19.7
11 27	5 48.32	+33 56.9	1.456	2.388	10.0	19.5
12 7	5 36.12	+34 24.6	1.420	2.386	6.1	19.2
12 17	5 22.50	+34 34.5	1.411	2.383	4.8	19.1
12 27	5 9.35	+34 25.8	1.430	2.380	8.0	19.3
1 6	4 58.42	+34 2.1	1.476	2.376	12.1	19.6
1 16	4 50.88	+33 30.1	1.544	2.371	16.0	19.8

413365 2004 BM_{69} 12 14.1 320°.89 1°.1/13.9 16

11 7	5 50.58	+21 45.9	1.913	2.722	14.4	20.6
11 17	5 47.08	+21 23.6	1.803	2.691	11.3	20.3
11 27	5 41.02	+20 59.2	1.715	2.661	7.6	20.0
12 7	5 32.95	+20 33.1	1.654	2.631	3.4	19.7
12 17	5 23.77	+20 6.2	1.620	2.602	1.8	19.5
12 27	5 14.71	+19 40.4	1.614	2.573	6.2	19.8
1 6	5 6.94	+19 18.1	1.636	2.544	10.6	20.0
1 16	5 1.42	+19 1.5	1.681	2.517	14.5	20.1

389877 2012 SX_{25} 12 14.1 353°.71 2°.1/13.9 18

11 7	5 54.17	+20 12.4	1.395	2.217	18.1	20.9
11 17	5 50.38	+19 45.4	1.320	2.215	14.1	20.6
11 27	5 43.36	+19 18.4	1.265	2.213	9.4	20.4
12 7	5 33.94	+18 52.3	1.234	2.211	4.4	20.1
12 17	5 23.42	+18 28.8	1.229	2.210	2.7	20.0
12 27	5 13.44	+18 10.2	1.251	2.210	7.5	20.3
1 6	5 5.45	+17 58.6	1.298	2.210	12.4	20.5
1 16	5 0.43	+17 55.4	1.366	2.210	16.7	20.8

356113 2009 FQ_{22} 12 14.1 224°.12 4°.9/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.49	+36 4.4	2.375	3.138	13.3	21.7
11 17	5 54.56	+37 1.2	2.277	3.128	10.8	21.5
11 27	5 45.85	+37 51.6	2.202	3.118	8.1	21.3
12 7	5 34.99	+38 30.4	2.155	3.107	5.6	21.2
12 17	5 22.97	+38 53.6	2.137	3.095	5.0	21.1
12 27	5 11.11	+38 59.6	2.149	3.083	6.8	21.2
1 6	5 0.67	+38 50.4	2.189	3.071	9.6	21.4
1 16	4 52.65	+38 30.2	2.255	3.058	12.4	21.5

325372 2008 RS_{22} 12 14.1 86°.06 7°.2/13.3 18

11 7	5 51.56	+ 0 50.7	2.429	3.184	13.3	20.7
11 17	5 46.66	− 0 1.0	2.372	3.205	11.1	20.6
11 27	5 40.04	− 0 40.6	2.337	3.226	9.0	20.5
12 7	5 32.29	− 1 4.8	2.328	3.246	7.5	20.4
12 17	5 24.13	− 1 11.5	2.347	3.267	7.3	20.5
12 27	5 16.37	− 1 0.2	2.394	3.287	8.4	20.6
1 6	5 9.73	− 0 32.5	2.467	3.307	10.3	20.7
1 16	5 4.72	+ 0 9.1	2.563	3.326	12.2	20.9

45346 2000 AL_{91} 12 14.1 281°.08 3°.1/14.7 18

11 7	5 54.65	+32 22.7	2.287	3.071	13.2	19.0
11 17	5 49.81	+32 39.7	2.196	3.065	10.4	18.8
11 27	5 42.53	+32 50.0	2.127	3.058	7.3	18.6
12 7	5 33.49	+32 51.0	2.085	3.052	4.3	18.4
12 17	5 23.62	+32 40.9	2.072	3.046	3.2	18.3
12 27	5 14.06	+32 20.2	2.089	3.040	5.7	18.5
1 6	5 5.89	+31 51.4	2.133	3.034	8.9	18.7
1 16	4 59.90	+31 18.3	2.203	3.028	11.9	18.8

468341 2016 EL_{66} 12 14.1 328°.29 6°.7/14.5 16

11 7	5 56.00	+39 18.2	2.032	2.806	14.9	20.9
11 17	5 51.67	+40 24.2	1.941	2.794	12.3	20.7
11 27	5 44.25	+41 21.1	1.872	2.782	9.6	20.5
12 7	5 34.39	+42 2.9	1.828	2.770	7.4	20.4
12 17	5 23.22	+42 24.7	1.811	2.759	6.8	20.3
12 27	5 12.27	+42 24.6	1.821	2.748	8.4	20.4
1 6	5 3.02	+42 5.2	1.858	2.738	11.1	20.5
1 16	4 56.56	+41 32.0	1.917	2.729	14.0	20.7

450931 Coculescu 12 14.1 61°.01 1°.6/14.4 18

11 7	5 55.76	+28 10.4	1.886	2.684	15.0	21.3
11 17	5 50.86	+28 8.3	1.809	2.690	11.7	21.0
11 27	5 43.28	+28 0.5	1.754	2.695	7.8	20.8
12 7	5 33.80	+27 45.4	1.725	2.700	3.7	20.6
12 17	5 23.52	+27 22.5	1.724	2.705	1.9	20.5
12 27	5 13.77	+26 53.4	1.753	2.711	5.8	20.7
1 6	5 5.68	+26 21.2	1.809	2.717	9.8	21.0
1 16	5 0.08	+25 49.6	1.889	2.722	13.2	21.2

69584 1998 DZ_{10} 12 14.1 132°.67 4°.6/14.7 18

11 7	6 3.54	+33 28.9	1.631	2.420	17.4	19.4
11 17	5 57.54	+34 7.1	1.560	2.430	13.9	19.2
11 27	5 48.01	+34 36.5	1.509	2.439	9.9	19.0
12 7	5 35.90	+34 51.4	1.484	2.448	6.0	18.8
12 17	5 22.68	+34 48.1	1.486	2.457	4.8	18.7
12 27	5 10.15	+34 27.1	1.516	2.465	7.6	18.9
1 6	4 59.90	+33 53.0	1.573	2.473	11.5	19.2
1 16	4 52.94	+33 12.5	1.653	2.480	15.1	19.4

96162 1979 MN_{7} 12 14.1 25°.53 5°.5/13.9 18

11 7	5 52.25	+12 17.9	1.174	2.005	20.2	17.7
11 17	5 48.99	+11 49.5	1.123	2.018	16.0	17.4
11 27	5 42.40	+11 32.0	1.090	2.033	11.3	17.2
12 7	5 33.48	+11 28.4	1.079	2.048	6.9	17.0
12 17	5 23.67	+11 40.3	1.093	2.065	5.8	17.0
12 27	5 14.65	+12 7.3	1.131	2.083	9.2	17.3
1 6	5 7.82	+12 47.2	1.193	2.102	13.6	17.6
1 16	5 4.04	+13 36.7	1.275	2.122	17.5	17.9

388974 2008 UQ_{13} 12 14.1 316°.10 4°.2/14.3 18

11 7	5 57.75	+30 40.9	1.536	2.342	17.5	20.6
11 17	5 53.47	+31 30.7	1.453	2.335	13.9	20.3
11 27	5 45.65	+32 16.0	1.391	2.329	9.8	20.1
12 7	5 35.04	+32 51.2	1.353	2.322	5.7	19.8
12 17	5 22.98	+33 11.5	1.342	2.316	4.4	19.8
12 27	5 11.29	+33 15.5	1.357	2.310	7.8	19.9
1 6	5 1.66	+33 5.7	1.398	2.305	12.2	20.2
1 16	4 55.28	+32 47.5	1.462	2.299	16.2	20.4

127156 2002 GV_{136} 12 14.1 210°.83 4°.5/14.7 17

11 7	5 57.00	+35 58.6	2.347	3.118	13.2	20.4
11 17	5 51.68	+36 35.9	2.259	3.116	10.7	20.2
11 27	5 43.81	+37 5.3	2.194	3.114	7.9	20.0
12 7	5 34.06	+37 22.9	2.156	3.111	5.3	19.9
12 17	5 23.41	+37 25.8	2.146	3.108	4.5	19.8
12 27	5 13.09	+37 13.9	2.166	3.106	6.4	19.9
1 6	5 4.23	+36 49.7	2.213	3.103	9.2	20.1
1 16	4 57.66	+36 17.4	2.286	3.100	11.9	20.3

362942 2012 XZ_{115} 12 14.1 124°.18 5°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.42	+10 25.1	1.881	2.670	15.4	20.0
11 17	5 50.24	+ 9 26.4	1.811	2.680	12.3	19.8
11 27	5 42.69	+ 8 34.2	1.764	2.690	9.0	19.6
12 7	5 33.51	+ 7 52.2	1.743	2.699	6.3	19.4
12 17	5 23.67	+ 7 23.6	1.749	2.708	5.9	19.4
12 27	5 14.33	+ 7 10.3	1.785	2.716	8.2	19.6
1 6	5 6.48	+ 7 12.4	1.847	2.725	11.3	19.8
1 16	5 0.83	+ 7 28.5	1.932	2.733	14.3	20.0

345830 2007 JX_{13} 12 14.1 208°.87 1°.5/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.03	+26 20.1	2.053	2.841	14.3	21.9
11 17	5 53.38	+26 42.6	1.960	2.835	11.2	21.7
11 27	5 45.02	+27 2.8	1.890	2.829	7.5	21.5
12 7	5 34.61	+27 18.1	1.847	2.822	3.5	21.2
12 17	5 23.19	+27 26.6	1.833	2.815	1.9	21.1
12 27	5 12.03	+27 27.7	1.850	2.807	5.8	21.3
1 6	5 2.37	+27 23.3	1.895	2.798	9.7	21.6
1 16	4 55.12	+27 16.1	1.966	2.789	13.2	21.8

94347 2001 QW_{88} 12 14.1 37°.42 2°.6/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.86	+28 34.9	0.932	1.768	23.9	17.6
11 17	5 58.87	+26 12.6	0.872	1.775	18.6	17.3
11 27	5 49.20	+23 27.1	0.831	1.783	12.3	17.0
12 7	5 36.37	+20 25.5	0.813	1.791	5.4	16.7
12 17	5 22.61	+17 22.1	0.820	1.800	3.9	16.6
12 27	5 10.40	+14 35.0	0.852	1.810	10.4	17.0
1 6	5 1.55	+12 18.4	0.908	1.820	16.5	17.4
1 16	4 56.92	+10 38.0	0.984	1.831	21.5	17.7

237017 2008 SX_{8} 12 14.1 33°.91 4°.0/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.88	+32 9.1	1.370	2.183	18.9	20.0
11 17	5 53.58	+32 27.8	1.305	2.191	15.0	19.8
11 27	5 45.58	+32 36.7	1.260	2.199	10.4	19.6
12 7	5 34.91	+32 31.2	1.238	2.208	5.9	19.3
12 17	5 23.15	+32 9.3	1.241	2.218	4.2	19.3
12 27	5 12.21	+31 32.7	1.271	2.228	7.8	19.5
1 6	5 3.71	+30 47.2	1.326	2.239	12.2	19.8
1 16	4 58.62	+29 59.4	1.403	2.250	16.2	20.1

362808 2011 YM_{12} 12 14.1 4°.37 1°.9/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.83	+17 45.4	1.977	2.776	14.4	20.7
11 17	5 49.19	+17 44.3	1.894	2.776	11.2	20.5
11 27	5 42.15	+17 46.4	1.834	2.776	7.5	20.3
12 7	5 33.35	+17 51.8	1.800	2.776	3.6	20.0
12 17	5 23.75	+18 0.5	1.796	2.776	2.3	19.9
12 27	5 14.47	+18 12.5	1.820	2.776	5.9	20.2
1 6	5 6.59	+18 28.1	1.872	2.776	9.8	20.4
1 16	5 0.87	+18 47.5	1.949	2.776	13.2	20.6

32682 1177 $T\text{-}_{1}$ 12 14.1 176°.36 0°.2/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.73	+23 11.0	2.137	2.931	13.6	19.4
11 17	5 49.74	+23 4.2	2.052	2.932	10.5	19.2
11 27	5 42.42	+22 55.7	1.990	2.933	6.9	18.9
12 7	5 33.45	+22 45.0	1.956	2.933	3.0	18.7
12 17	5 23.73	+22 32.2	1.950	2.933	1.2	18.6
12 27	5 14.37	+22 18.1	1.975	2.933	5.3	18.9
1 6	5 6.38	+22 4.6	2.028	2.933	9.1	19.1
1 16	5 0.51	+21 53.4	2.107	2.933	12.3	19.3

12366 Luisapla 12 14.1 218°.44 1°.5/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.03	+20 39.9	1.714	2.516	16.1	18.3
11 17	5 52.89	+20 20.1	1.627	2.510	12.6	18.1
11 27	5 44.82	+19 59.7	1.561	2.504	8.4	17.8
12 7	5 34.56	+19 39.0	1.521	2.498	3.8	17.6
12 17	5 23.26	+19 18.8	1.509	2.491	2.2	17.4
12 27	5 12.34	+19 0.7	1.527	2.483	6.7	17.7
1 6	5 3.12	+18 46.9	1.571	2.476	11.2	17.9
1 16	4 56.56	+18 39.3	1.639	2.467	15.2	18.2

50610 2000 EW_{56} 12 14.1 169°.81 2°.7/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.01	+14 13.4	2.860	3.640	10.9	19.8
11 17	5 46.19	+13 48.3	2.774	3.643	8.5	19.6
11 27	5 39.77	+13 26.3	2.713	3.645	5.9	19.4
12 7	5 32.23	+13 8.4	2.681	3.647	3.5	19.3
12 17	5 24.22	+12 55.8	2.678	3.649	3.0	19.3
12 27	5 16.46	+12 49.3	2.707	3.651	5.0	19.4
1 6	5 9.62	+12 49.3	2.765	3.652	7.7	19.6
1 16	5 4.23	+12 55.9	2.849	3.653	10.1	19.7

386918 2011 JK_{28} 12 14.1 223°.18 0°.2/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.12	+23 27.5	1.860	2.657	15.2	22.1
11 17	5 52.88	+23 34.9	1.768	2.649	11.9	21.9
11 27	5 44.79	+23 41.4	1.699	2.642	7.9	21.6
12 7	5 34.56	+23 45.4	1.656	2.633	3.4	21.3
12 17	5 23.25	+23 45.7	1.642	2.625	1.4	21.2
12 27	5 12.25	+23 42.7	1.657	2.615	6.1	21.5
1 6	5 2.82	+23 38.0	1.700	2.606	10.4	21.7
1 16	4 55.94	+23 33.9	1.767	2.596	14.2	21.9

433963 1999 RC_{253} 12 14.1 68°.70 3°.1/14.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 4.40	+31 37.1	1.643	2.432	17.3	20.9
11 17	5 57.46	+31 48.8	1.598	2.470	13.4	20.8
11 27	5 47.44	+31 51.2	1.573	2.508	9.2	20.6
12 7	5 35.47	+31 41.2	1.575	2.545	4.9	20.4
12 17	5 23.01	+31 17.7	1.605	2.582	3.3	20.4
12 27	5 11.64	+30 43.3	1.664	2.618	6.5	20.7
1 6	5 2.60	+30 3.0	1.750	2.654	10.3	21.0
1 16	4 56.57	+29 21.9	1.861	2.689	13.6	21.3

506947 2008 KW_{9} 12 14.1 207°.74 6°.5/12.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 10.48	+27 5.1	1.231	2.034	21.1	21.3
11 17	6 4.83	+29 40.1	1.153	2.033	16.9	21.0
11 27	5 54.20	+32 25.3	1.095	2.031	12.0	20.8
12 7	5 39.15	+35 6.4	1.064	2.029	7.6	20.5
12 17	5 21.28	+37 26.4	1.060	2.027	7.0	20.5
12 27	5 3.29	+39 13.0	1.084	2.025	11.1	20.7
1 6	4 48.03	+40 24.6	1.133	2.022	15.9	21.0
1 16	4 37.48	+41 8.3	1.203	2.019	20.3	21.2

366517 2002 PL_{184} 12 14.2 72°.24 4°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.52	+ 8 34.9	2.272	3.052	13.4	20.7
11 17	5 47.65	+ 8 29.6	2.204	3.067	10.7	20.5
11 27	5 40.85	+ 8 33.3	2.158	3.082	7.7	20.4
12 7	5 32.72	+ 8 47.3	2.139	3.096	5.2	20.2
12 17	5 24.05	+ 9 12.0	2.149	3.111	4.6	20.2
12 27	5 15.75	+ 9 46.8	2.189	3.126	6.5	20.4
1 6	5 8.64	+10 30.1	2.256	3.141	9.2	20.6
1 16	5 3.32	+11 20.0	2.349	3.156	11.9	20.8

471967 2013 TO_{57} 12 14.2 92°.28 2°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.90	+29 10.7	1.444	2.247	18.5	21.6
11 17	5 56.98	+29 16.6	1.384	2.266	14.5	21.4
11 27	5 47.54	+29 15.0	1.344	2.285	9.7	21.2
12 7	5 35.66	+29 2.7	1.329	2.303	4.8	20.9
12 17	5 22.92	+28 38.6	1.340	2.321	2.7	20.9
12 27	5 11.12	+28 4.9	1.380	2.339	7.0	21.2
1 6	5 1.75	+27 26.7	1.446	2.356	11.6	21.5
1 16	4 55.70	+26 49.3	1.535	2.373	15.6	21.8

145166 2005 JL 12 14.2 132°.74 1°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.34	+24 29.0	1.646	2.445	16.8	20.7
11 17	5 55.58	+25 3.5	1.573	2.454	13.1	20.5
11 27	5 46.64	+25 37.6	1.522	2.464	8.7	20.3
12 7	5 35.35	+26 7.8	1.496	2.473	3.9	20.0
12 17	5 23.00	+26 31.2	1.499	2.481	1.9	19.9
12 27	5 11.18	+26 46.9	1.531	2.489	6.5	20.2
1 6	5 1.33	+26 56.1	1.590	2.497	11.0	20.5
1 16	4 54.41	+27 1.9	1.673	2.504	14.8	20.7

167076 2003 RG_{18} 12 14.2 107°.25 6°.4/15.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.71	+40 45.7	1.915	2.677	16.1	20.6
11 17	5 57.33	+41 16.6	1.846	2.691	13.2	20.5
11 27	5 47.66	+41 33.3	1.798	2.705	10.1	20.3
12 7	5 35.71	+41 30.3	1.775	2.719	7.4	20.2
12 17	5 22.90	+41 4.6	1.780	2.733	6.4	20.1
12 27	5 10.90	+40 17.7	1.813	2.746	8.0	20.2
1 6	5 1.13	+39 15.5	1.873	2.758	10.8	20.4
1 16	4 54.44	+38 5.4	1.957	2.771	13.6	20.7

520852 2014 UM_{239} 12 14.2 83°.33 5°.3/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.07	+ 7 13.6	2.319	3.097	13.2	21.3
11 17	5 46.55	+ 6 43.3	2.245	3.104	10.6	21.2
11 27	5 40.15	+ 6 21.7	2.193	3.111	8.0	21.0
12 7	5 32.44	+ 6 11.2	2.169	3.118	5.8	20.9
12 17	5 24.19	+ 6 13.3	2.172	3.125	5.4	20.9
12 27	5 16.25	+ 6 28.5	2.205	3.132	7.2	21.0
1 6	5 9.43	+ 6 55.9	2.264	3.139	9.7	21.2
1 16	5 4.33	+ 7 33.7	2.349	3.146	12.2	21.4

487512 2014 TF_{44} 12 14.2 278°.17 4°.0/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.07	+13 6.4	2.319	3.109	12.8	21.0
11 17	5 46.71	+12 19.0	2.226	3.099	10.2	20.8
11 27	5 40.36	+11 34.7	2.157	3.088	7.2	20.6
12 7	5 32.58	+10 56.0	2.115	3.078	4.7	20.5
12 17	5 24.12	+10 25.2	2.101	3.067	4.3	20.4
12 27	5 15.90	+10 4.4	2.118	3.057	6.6	20.6
1 6	5 8.77	+ 9 54.6	2.162	3.046	9.6	20.7
1 16	5 3.41	+ 9 55.8	2.230	3.036	12.5	20.9

398176 2010 JW_{31} 12 14.2 137°.09 6°.7/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.27	+ 5 33.5	2.093	2.866	14.5	21.9
11 17	5 49.14	+ 4 38.5	2.023	2.876	11.9	21.7
11 27	5 41.90	+ 3 53.3	1.975	2.884	9.2	21.6
12 7	5 33.20	+ 3 21.6	1.953	2.893	7.1	21.5
12 17	5 23.90	+ 3 6.2	1.959	2.901	6.8	21.5
12 27	5 15.00	+ 3 8.4	1.993	2.908	8.6	21.6
1 6	5 7.39	+ 3 27.2	2.053	2.915	11.1	21.8
1 16	5 1.75	+ 4 0.4	2.137	2.922	13.6	22.0

456233 2006 KF_{95} 12 14.2 283°.43 3°.3/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.19	+15 24.0	2.345	3.137	12.6	21.7
11 17	5 46.75	+14 37.2	2.254	3.130	9.9	21.5
11 27	5 40.35	+13 52.0	2.188	3.123	6.9	21.3
12 7	5 32.56	+13 10.5	2.149	3.117	4.1	21.1
12 17	5 24.14	+12 34.9	2.139	3.110	3.6	21.1
12 27	5 15.99	+12 7.4	2.159	3.103	6.1	21.2
1 6	5 8.95	+11 49.2	2.207	3.097	9.2	21.4
1 16	5 3.67	+11 40.9	2.280	3.090	12.1	21.6

511815 2015 FR_{142} 12 14.2 220°.40 4°.8/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.85	+13 37.8	1.609	2.411	17.0	21.9
11 17	5 52.02	+12 52.3	1.526	2.406	13.5	21.7
11 27	5 44.27	+12 11.4	1.465	2.401	9.6	21.5
12 7	5 34.35	+11 38.3	1.429	2.396	5.9	21.2
12 17	5 23.41	+11 15.8	1.420	2.390	5.2	21.2
12 27	5 12.86	+11 6.3	1.439	2.384	8.4	21.4
1 6	5 4.02	+11 10.5	1.484	2.378	12.5	21.6
1 16	4 57.82	+11 27.6	1.551	2.371	16.3	21.8

329277 1999 VR_{46} 12 14.2 71°.87 11°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 13.91	+41 10.1	1.396	2.166	20.6	20.3
11 17	6 7.32	+43 53.6	1.347	2.190	17.3	20.2
11 27	5 55.55	+46 24.0	1.319	2.213	14.0	20.0
12 7	5 39.53	+48 25.7	1.315	2.237	11.7	20.0
12 17	5 21.30	+49 46.1	1.337	2.260	11.3	20.0
12 27	5 3.83	+50 21.5	1.384	2.283	12.9	20.2
1 6	4 49.77	+50 19.0	1.455	2.306	15.4	20.4
1 16	4 40.68	+49 51.2	1.546	2.329	18.0	20.6

413155 2002 FC_{3} 12 14.2 42°.20 19°.9/17.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 16.81	+56 43.3	1.081	1.830	26.7	20.1
11 17	6 13.58	+59 24.5	1.038	1.837	24.3	19.9
11 27	6 2.01	+61 36.1	1.008	1.845	22.1	19.8
12 7	5 42.91	+62 57.5	0.994	1.853	20.5	19.7
12 17	5 19.95	+63 11.8	0.997	1.861	19.9	19.7
12 27	4 59.01	+62 16.7	1.017	1.870	20.4	19.8
1 6	4 44.73	+60 27.7	1.054	1.880	21.8	19.9
1 16	4 38.68	+58 6.7	1.106	1.889	23.8	20.1

278199 2007 EU_{22} 12 14.2 195°.69 2°.6/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.03	+17 0.9	1.960	2.752	14.7	21.7
11 17	5 51.68	+16 41.7	1.873	2.750	11.5	21.5
11 27	5 43.81	+16 24.9	1.809	2.748	7.8	21.2
12 7	5 34.10	+16 11.5	1.772	2.745	4.0	21.0
12 17	5 23.53	+16 2.5	1.763	2.741	2.9	20.9
12 27	5 13.30	+15 58.8	1.785	2.737	6.4	21.1
1 6	5 4.52	+16 1.3	1.834	2.732	10.3	21.4
1 16	4 58.00	+16 10.5	1.908	2.726	13.7	21.6

95936 2003 KG_{17} 12 14.2 130°.69 4°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.49	+12 15.2	2.293	3.079	13.0	19.9
11 17	5 47.67	+11 32.8	2.216	3.085	10.3	19.7
11 27	5 40.89	+10 55.0	2.162	3.091	7.4	19.6
12 7	5 32.77	+10 24.1	2.135	3.097	4.8	19.4
12 17	5 24.08	+10 2.0	2.138	3.103	4.3	19.4
12 27	5 15.75	+ 9 50.4	2.170	3.108	6.5	19.5
1 6	5 8.59	+ 9 49.4	2.230	3.113	9.4	19.7
1 16	5 3.23	+ 9 58.7	2.315	3.118	12.1	19.9

483655 2005 EH_{40} 12 14.2 210°.99 7°.7/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.81	+ 2 1.8	2.109	2.872	14.8	21.3
11 17	5 48.93	+ 1 16.6	2.026	2.868	12.4	21.2
11 27	5 41.88	+ 0 43.6	1.965	2.863	9.9	21.0
12 7	5 33.25	+ 0 26.9	1.930	2.858	8.1	20.9
12 17	5 23.88	+ 0 29.5	1.921	2.852	7.8	20.8
12 27	5 14.78	+ 0 52.2	1.940	2.846	9.3	20.9
1 6	5 6.89	+ 1 33.5	1.986	2.840	11.8	21.1
1 16	5 0.94	+ 2 30.0	2.054	2.834	14.3	21.2

486514 2013 GD_{122} 12 14.2 327°.56 7°.3/12.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.67	+11 37.3	1.422	2.243	17.9	21.4
11 17	5 46.94	+10 10.5	1.333	2.221	14.5	21.2
11 27	5 41.21	+ 8 46.4	1.265	2.200	10.8	20.9
12 7	5 33.16	+ 7 31.5	1.220	2.179	7.9	20.7
12 17	5 23.88	+ 6 32.5	1.200	2.160	7.7	20.6
12 27	5 14.86	+ 5 55.0	1.205	2.141	10.8	20.7
1 6	5 7.49	+ 5 41.3	1.233	2.124	14.8	20.9
1 16	5 2.83	+ 5 50.4	1.282	2.107	18.7	21.1

407035 2009 SA_{69} 12 14.2 85°.22 5°.4/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.74	+ 8 33.4	2.203	2.985	13.6	21.1
11 17	5 47.13	+ 7 47.2	2.132	2.995	11.0	20.9
11 27	5 40.55	+ 7 8.4	2.084	3.004	8.2	20.8
12 7	5 32.62	+ 6 40.1	2.063	3.014	5.9	20.6
12 17	5 24.15	+ 6 24.5	2.070	3.023	5.6	20.6
12 27	5 16.06	+ 6 22.8	2.105	3.033	7.4	20.8
1 6	5 9.17	+ 6 34.6	2.168	3.042	10.1	20.9
1 16	5 4.10	+ 6 58.3	2.255	3.051	12.6	21.1

211353 2002 TV_{157} 12 14.2 108°.53 7°.8/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.29	+ 2 43.6	1.939	2.712	15.6	20.6
11 17	5 48.60	+ 1 56.2	1.869	2.717	12.9	20.4
11 27	5 41.67	+ 1 21.8	1.820	2.723	10.3	20.2
12 7	5 33.15	+ 1 4.7	1.796	2.728	8.3	20.1
12 17	5 23.95	+ 1 7.6	1.798	2.733	7.9	20.1
12 27	5 15.14	+ 1 31.1	1.828	2.738	9.5	20.2
1 6	5 7.68	+ 2 13.1	1.883	2.744	12.0	20.4
1 16	5 2.29	+ 3 10.2	1.961	2.749	14.6	20.6

400639 2009 EY_{17} 12 14.2 218°.46 8°.2/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.05	+ 2 9.8	1.956	2.727	15.5	21.5
11 17	5 48.48	+ 1 15.0	1.879	2.725	13.0	21.3
11 27	5 41.65	+ 0 33.0	1.823	2.722	10.5	21.1
12 7	5 33.17	+ 0 8.3	1.791	2.720	8.6	21.0
12 17	5 23.94	+ 0 4.3	1.786	2.717	8.3	21.0
12 27	5 15.02	+ 0 22.2	1.808	2.714	9.9	21.1
1 6	5 7.41	+ 1 0.5	1.855	2.711	12.4	21.2
1 16	5 1.86	+ 1 55.5	1.925	2.708	15.0	21.4

77646 2001 KZ_{67} 12 14.2 160°.44 1°.6/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.66	+16 42.5	2.327	3.109	13.0	19.7
11 17	5 50.99	+17 1.5	2.243	3.115	10.1	19.5
11 27	5 43.17	+17 24.7	2.183	3.120	6.8	19.3
12 7	5 33.80	+17 51.6	2.151	3.125	3.2	19.1
12 17	5 23.70	+18 21.1	2.149	3.129	1.9	19.0
12 27	5 13.88	+18 52.4	2.179	3.133	5.2	19.2
1 6	5 5.28	+19 25.0	2.238	3.136	8.7	19.4
1 16	4 58.61	+19 58.5	2.323	3.139	11.7	19.6

409650 2005 YH_{15} 12 14.2 307°.62 0°.5/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.79	+21 38.9	2.055	2.856	13.8	21.4
11 17	5 48.45	+21 40.1	1.965	2.848	10.8	21.2
11 27	5 41.73	+21 41.3	1.897	2.840	7.1	21.0
12 7	5 33.25	+21 42.2	1.855	2.833	3.1	20.7
12 17	5 23.91	+21 42.4	1.843	2.826	1.4	20.6
12 27	5 14.83	+21 42.3	1.860	2.818	5.5	20.8
1 6	5 7.08	+21 42.9	1.904	2.811	9.4	21.1
1 16	5 1.45	+21 45.5	1.974	2.804	12.9	21.3

522004 2015 XY_{132} 12 14.2 60°.12 0°.3/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.28	+22 49.8	1.942	2.743	14.5	21.6
11 17	5 49.56	+22 43.9	1.867	2.750	11.2	21.4
11 27	5 42.39	+22 36.7	1.814	2.758	7.4	21.2
12 7	5 33.48	+22 27.7	1.787	2.765	3.1	21.0
12 17	5 23.85	+22 17.0	1.789	2.772	1.3	20.9
12 27	5 14.66	+22 5.6	1.821	2.780	5.6	21.2
1 6	5 6.99	+21 55.1	1.880	2.787	9.5	21.4
1 16	5 1.58	+21 47.3	1.964	2.795	12.9	21.7

229899 2009 VW_{25} 12 14.2 118°.58 0°.8/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.90	+23 43.0	2.288	3.078	12.9	20.1
11 17	5 49.84	+24 16.7	2.204	3.081	10.0	19.9
11 27	5 42.52	+24 50.6	2.143	3.084	6.6	19.7
12 7	5 33.56	+25 22.6	2.111	3.087	2.9	19.5
12 17	5 23.80	+25 50.9	2.108	3.090	1.4	19.4
12 27	5 14.32	+26 14.5	2.135	3.093	5.0	19.6
1 6	5 6.09	+26 33.6	2.192	3.095	8.5	19.8
1 16	4 59.87	+26 49.7	2.274	3.098	11.6	20.1

99841 2002 NX_{32} 12 14.2 122°.46 3°.6/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.45	+37 28.4	2.889	3.643	11.4	19.9
11 17	5 51.32	+37 36.6	2.813	3.659	9.1	19.8
11 27	5 43.18	+37 35.7	2.760	3.674	6.7	19.6
12 7	5 33.72	+37 23.4	2.736	3.689	4.5	19.5
12 17	5 23.78	+36 58.7	2.741	3.704	3.7	19.5
12 27	5 14.31	+36 22.8	2.778	3.718	5.1	19.6
1 6	5 6.15	+35 38.5	2.844	3.732	7.4	19.8
1 16	4 59.90	+34 49.6	2.937	3.745	9.7	19.9

390509 2014 BU_{29} 12 14.2 236°.60 4°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.21	+11 37.6	2.041	2.825	14.5	21.6
11 17	5 51.06	+11 17.9	1.943	2.811	11.6	21.4
11 27	5 43.47	+11 4.7	1.867	2.797	8.3	21.2
12 7	5 34.03	+11 0.0	1.818	2.782	5.2	21.0
12 17	5 23.62	+11 5.1	1.798	2.766	4.5	20.9
12 27	5 13.37	+11 20.8	1.808	2.750	7.2	21.0
1 6	5 4.39	+11 46.7	1.845	2.733	10.8	21.2
1 16	4 57.53	+12 21.5	1.907	2.716	14.1	21.4

107985 2001 FP_{133} 12 14.2 180°.19 4°.5/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.46	+10 31.4	2.464	3.238	12.6	21.2
11 17	5 49.07	+ 9 43.3	2.379	3.240	10.1	21.0
11 27	5 41.79	+ 9 0.1	2.319	3.241	7.3	20.8
12 7	5 33.18	+ 8 24.1	2.286	3.241	5.1	20.7
12 17	5 23.99	+ 7 57.9	2.283	3.241	4.7	20.7
12 27	5 15.10	+ 7 42.9	2.310	3.240	6.7	20.8
1 6	5 7.31	+ 7 39.7	2.366	3.238	9.4	20.9
1 16	5 1.24	+ 7 47.6	2.446	3.236	12.0	21.1

25104 Chohyunghoon 12 14.2 331°.80 1°.3/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.68	+21 13.9	1.623	2.437	16.4	18.4
11 17	5 49.70	+20 54.4	1.540	2.431	12.8	18.1
11 27	5 42.82	+20 34.0	1.478	2.425	8.5	17.9
12 7	5 33.79	+20 13.2	1.442	2.419	3.8	17.6
12 17	5 23.74	+19 52.9	1.432	2.414	2.0	17.4
12 27	5 14.09	+19 34.8	1.450	2.409	6.7	17.7
1 6	5 6.14	+19 21.1	1.494	2.404	11.3	18.0
1 16	5 0.84	+19 13.5	1.561	2.400	15.2	18.2

477153 2009 DS_{88} 12 14.2 171°.55 4°.2/14.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.55	+32 24.7	1.752	2.535	16.6	22.4
11 17	5 58.26	+33 6.7	1.671	2.539	13.2	22.2
11 27	5 48.55	+33 41.8	1.613	2.542	9.4	22.0
12 7	5 36.26	+34 4.5	1.579	2.545	5.6	21.8
12 17	5 22.76	+34 10.7	1.575	2.547	4.4	21.7
12 27	5 9.76	+34 0.0	1.599	2.548	7.3	21.9
1 6	4 58.85	+33 36.0	1.650	2.548	11.2	22.1
1 16	4 51.08	+33 4.7	1.726	2.547	14.8	22.3

286347 2001 XW_{112} 12 14.2 339°.51 3°.0/13.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.64	+28 5.0	0.976	1.812	23.1	19.3
11 17	5 57.42	+25 44.3	0.903	1.806	18.1	19.0
11 27	5 48.56	+22 57.5	0.849	1.801	12.1	18.7
12 7	5 36.33	+19 50.6	0.818	1.796	5.5	18.3
12 17	5 22.78	+16 37.4	0.812	1.792	4.2	18.2
12 27	5 10.40	+13 37.0	0.833	1.789	10.8	18.5
1 6	5 1.15	+11 6.1	0.877	1.787	17.1	18.9
1 16	4 56.10	+ 9 12.5	0.939	1.785	22.4	19.2

517304 2014 HA_{132} 12 14.2 183°.46 4°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.86	+ 9 25.8	2.221	2.998	13.7	22.3
11 17	5 49.65	+ 9 8.6	2.136	2.999	11.0	22.1
11 27	5 42.32	+ 8 59.4	2.075	2.999	8.0	21.9
12 7	5 33.46	+ 8 59.9	2.040	2.998	5.3	21.8
12 17	5 23.89	+ 9 11.3	2.035	2.997	4.8	21.7
12 27	5 14.61	+ 9 33.8	2.059	2.996	6.9	21.9
1 6	5 6.52	+10 6.3	2.111	2.994	9.9	22.0
1 16	5 0.33	+10 47.3	2.189	2.992	12.7	22.2

492803 2014 QG_{251} 12 14.2 252°.92 6°.3/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.69	+39 19.5	2.219	2.981	14.1	21.3
11 17	5 54.29	+40 26.4	2.129	2.974	11.7	21.1
11 27	5 45.90	+41 24.7	2.061	2.967	9.1	20.9
12 7	5 35.16	+42 8.5	2.020	2.959	6.9	20.8
12 17	5 23.19	+42 32.8	2.006	2.952	6.4	20.8
12 27	5 11.43	+42 36.1	2.021	2.944	7.9	20.8
1 6	5 1.29	+42 20.9	2.062	2.937	10.5	21.0
1 16	4 53.81	+41 52.2	2.128	2.929	13.1	21.1

267267 2001 QK_{270} 12 14.2 126°.74 0°.2/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.08	+22 33.6	1.838	2.631	15.5	22.0
11 17	5 54.11	+22 38.1	1.767	2.646	12.0	21.8
11 27	5 45.41	+22 41.9	1.718	2.660	7.9	21.6
12 7	5 34.80	+22 43.8	1.696	2.674	3.4	21.3
12 17	5 23.41	+22 43.0	1.704	2.687	1.3	21.2
12 27	5 12.58	+22 40.1	1.741	2.699	5.9	21.5
1 6	5 3.51	+22 36.7	1.806	2.711	10.0	21.8
1 16	4 56.98	+22 34.7	1.896	2.722	13.5	22.0

216295 Menorca 12 14.2 77°.48 5°.2/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.21	+ 6 39.7	2.331	3.104	13.2	20.7
11 17	5 47.33	+ 6 17.7	2.267	3.123	10.7	20.5
11 27	5 40.62	+ 6 5.2	2.227	3.142	8.0	20.4
12 7	5 32.67	+ 6 4.2	2.213	3.161	5.8	20.3
12 17	5 24.26	+ 6 15.7	2.227	3.180	5.3	20.3
12 27	5 16.24	+ 6 39.6	2.271	3.198	7.0	20.4
1 6	5 9.37	+ 7 14.6	2.342	3.217	9.4	20.6
1 16	5 4.23	+ 7 58.5	2.439	3.235	11.8	20.8

109636 2001 QD_{330} 12 14.2 11°.27 4°.7/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.43	+11 14.7	1.536	2.347	17.3	18.9
11 17	5 48.67	+11 10.6	1.465	2.349	13.7	18.7
11 27	5 42.10	+11 17.2	1.415	2.352	9.7	18.4
12 7	5 33.48	+11 36.3	1.388	2.356	5.9	18.2
12 17	5 23.92	+12 8.1	1.388	2.360	4.9	18.2
12 27	5 14.78	+12 51.6	1.415	2.365	7.9	18.4
1 6	5 7.33	+13 44.4	1.468	2.372	11.9	18.6
1 16	5 2.44	+14 43.7	1.543	2.378	15.6	18.9

517246 2014 DG_{31} 12 14.2 280°.10 1°.5/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.76	+20 19.7	1.638	2.446	16.4	21.8
11 17	5 51.47	+20 6.1	1.543	2.431	12.9	21.5
11 27	5 44.13	+19 52.8	1.470	2.415	8.7	21.2
12 7	5 34.44	+19 40.1	1.422	2.399	3.9	20.9
12 17	5 23.51	+19 28.3	1.401	2.382	2.2	20.8
12 27	5 12.81	+19 18.7	1.408	2.366	7.0	21.0
1 6	5 3.76	+19 13.1	1.441	2.350	11.7	21.3
1 16	4 57.42	+19 13.2	1.498	2.334	15.9	21.5

346349 2008 RN_{114} 12 14.2 154°.86 0°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.98	+24 10.4	2.044	2.833	14.3	22.3
11 17	5 53.11	+24 13.2	1.964	2.841	11.1	22.1
11 27	5 44.71	+24 13.9	1.907	2.848	7.3	21.9
12 7	5 34.51	+24 11.3	1.878	2.855	3.2	21.7
12 17	5 23.53	+24 4.6	1.878	2.861	1.3	21.5
12 27	5 13.00	+23 54.7	1.908	2.866	5.5	21.8
1 6	5 4.01	+23 43.3	1.967	2.871	9.4	22.1
1 16	4 57.36	+23 32.8	2.052	2.875	12.7	22.3

473676 2015 XT_{356} 12 14.2 255°.21 2°.9/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.60	+14 37.9	2.071	2.865	14.0	21.4
11 17	5 48.97	+14 32.7	1.982	2.859	11.0	21.2
11 27	5 42.03	+14 32.7	1.916	2.853	7.6	20.9
12 7	5 33.40	+14 38.8	1.877	2.848	4.1	20.7
12 17	5 23.95	+14 51.3	1.866	2.842	3.2	20.6
12 27	5 14.74	+15 10.3	1.885	2.836	6.2	20.8
1 6	5 6.80	+15 35.4	1.931	2.830	9.8	21.0
1 16	5 0.89	+16 5.9	2.003	2.824	13.1	21.2

302667 2002 SW_{38} 12 14.2 37°.30 0°.5/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.52	+23 42.7	1.443	2.261	17.8	20.2
11 17	5 51.25	+23 55.3	1.384	2.277	13.8	20.0
11 27	5 43.83	+24 6.8	1.346	2.293	9.0	19.8
12 7	5 34.19	+24 15.3	1.332	2.310	3.9	19.5
12 17	5 23.68	+24 19.6	1.344	2.327	1.5	19.4
12 27	5 13.90	+24 20.2	1.384	2.346	6.6	19.8
1 6	5 6.18	+24 18.9	1.450	2.364	11.2	20.1
1 16	5 1.39	+24 18.1	1.538	2.383	15.1	20.4

425557 2010 RU_{136} 12 14.2 71°.41 0°.3/14.2 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.32	+25 31.8	1.228	2.044	20.4	21.7
11 17	5 57.47	+25 12.9	1.179	2.070	15.8	21.5
11 27	5 47.91	+24 48.8	1.149	2.096	10.3	21.3
12 7	5 35.86	+24 18.6	1.143	2.121	4.4	21.0
12 17	5 23.09	+23 42.9	1.164	2.147	1.7	20.9
12 27	5 11.52	+23 5.4	1.211	2.172	7.4	21.3
1 6	5 2.65	+22 30.7	1.283	2.197	12.5	21.7
1 16	4 57.28	+22 2.5	1.378	2.221	16.6	22.0

304915 2007 RV_{294} 12 14.2 148°.23 4°.3/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.63	+11 33.8	2.159	2.941	13.9	21.9
11 17	5 50.21	+11 1.0	2.083	2.950	11.0	21.7
11 27	5 42.64	+10 34.0	2.030	2.958	7.9	21.5
12 7	5 33.59	+10 14.9	2.005	2.966	5.1	21.4
12 17	5 23.92	+10 5.4	2.008	2.973	4.5	21.4
12 27	5 14.64	+10 6.4	2.042	2.980	6.8	21.5
1 6	5 6.66	+10 18.0	2.103	2.986	9.9	21.7
1 16	5 0.65	+10 39.0	2.189	2.992	12.7	21.9

302775 2002 VC_{146} 12 14.2 1°.36 1°.8/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.01	+18 34.3	1.751	2.558	15.6	20.9
11 17	5 49.68	+18 30.2	1.671	2.558	12.2	20.7
11 27	5 42.68	+18 28.9	1.614	2.557	8.1	20.4
12 7	5 33.72	+18 30.4	1.581	2.557	3.8	20.2
12 17	5 23.85	+18 34.9	1.577	2.558	2.3	20.1
12 27	5 14.36	+18 42.7	1.601	2.558	6.4	20.4
1 6	5 6.44	+18 54.3	1.651	2.559	10.6	20.6
1 16	5 0.95	+19 10.1	1.726	2.560	14.3	20.8

271114 2003 RV_{25} 12 14.2 73°.70 6°.3/16.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.56	+43 51.3	2.289	3.030	14.4	20.7
11 17	5 56.59	+44 15.3	2.233	3.060	11.9	20.6
11 27	5 46.85	+44 24.3	2.199	3.090	9.3	20.5
12 7	5 35.33	+44 14.1	2.190	3.120	7.1	20.4
12 17	5 23.29	+43 43.0	2.209	3.149	6.3	20.4
12 27	5 12.14	+42 52.8	2.257	3.178	7.4	20.5
1 6	5 3.01	+41 48.8	2.333	3.207	9.5	20.7
1 16	4 56.58	+40 37.4	2.434	3.235	11.7	20.9

101527 1998 XM_{76} 12 14.2 24°.74 3°.5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.51	+12 37.7	1.392	2.207	18.5	18.4
11 17	5 50.52	+13 4.2	1.329	2.217	14.5	18.2
11 27	5 43.42	+13 42.8	1.286	2.228	10.0	17.9
12 7	5 34.07	+14 33.2	1.267	2.240	5.4	17.7
12 17	5 23.73	+15 33.3	1.275	2.252	3.7	17.6
12 27	5 13.94	+16 39.8	1.309	2.266	7.6	17.9
1 6	5 6.08	+17 49.3	1.369	2.280	12.0	18.2
1 16	5 1.07	+18 59.2	1.452	2.295	15.9	18.5

261327 2005 UR_{231} 12 14.2 89°.57 1°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.99	+19 3.7	2.205	2.994	13.4	21.3
11 17	5 50.33	+18 41.6	2.144	3.020	10.3	21.1
11 27	5 42.60	+18 20.4	2.106	3.045	6.8	20.9
12 7	5 33.52	+18 0.8	2.095	3.070	3.2	20.8
12 17	5 23.99	+17 43.5	2.115	3.095	2.1	20.7
12 27	5 15.00	+17 29.9	2.165	3.119	5.3	21.0
1 6	5 7.40	+17 21.0	2.244	3.142	8.6	21.2
1 16	5 1.79	+17 17.4	2.349	3.166	11.5	21.5

518089 2016 AU_{228} 12 14.2 153°.45 0°.9/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.99	+19 50.9	2.547	3.336	11.8	21.8
11 17	5 47.30	+19 54.3	2.461	3.338	9.1	21.6
11 27	5 40.71	+19 59.0	2.399	3.340	6.0	21.4
12 7	5 32.78	+20 4.5	2.365	3.341	2.7	21.2
12 17	5 24.24	+20 10.8	2.361	3.342	1.4	21.1
12 27	5 15.96	+20 17.9	2.387	3.344	4.6	21.3
1 6	5 8.74	+20 26.3	2.443	3.345	7.9	21.5
1 16	5 3.21	+20 36.6	2.525	3.346	10.7	21.7

478604 2012 TL_{137} 12 14.2 85°.12 0°.1/14.2 18

11 7	6 0.53	+22 51.7	1.611	2.412	17.0	21.5
11 17	5 54.69	+23 0.8	1.552	2.436	13.1	21.4
11 27	5 45.87	+23 9.3	1.515	2.459	8.6	21.1
12 7	5 35.02	+23 15.3	1.504	2.482	3.6	20.9
12 17	5 23.43	+23 17.9	1.521	2.504	1.4	20.8
12 27	5 12.60	+23 17.7	1.567	2.526	6.3	21.2
1 6	5 3.79	+23 16.3	1.640	2.548	10.6	21.5
1 16	4 57.79	+23 16.0	1.737	2.569	14.3	21.8

251486 2008 EG_{7} 12 14.2 196°.51 0°.6/14.3 18

11 7	5 55.52	+25 39.5	2.150	2.942	13.6	20.8
11 17	5 50.43	+25 32.1	2.063	2.941	10.6	20.6
11 27	5 42.97	+25 21.0	1.998	2.939	7.0	20.4
12 7	5 33.80	+25 5.3	1.961	2.938	3.1	20.1
12 17	5 23.87	+24 45.0	1.953	2.936	1.3	20.0
12 27	5 14.30	+24 21.3	1.976	2.934	5.3	20.2
1 6	5 6.14	+23 56.6	2.027	2.932	9.0	20.5
1 16	5 0.13	+23 33.3	2.103	2.930	12.3	20.7

124828 2001 SS_{324} 12 14.2 124°.87 0°.5/14.1 18

11 7	5 59.24	+23 6.1	1.753	2.551	16.0	20.6
11 17	5 53.59	+22 51.4	1.681	2.563	12.4	20.4
11 27	5 45.14	+22 34.4	1.631	2.574	8.1	20.2
12 7	5 34.73	+22 14.7	1.607	2.584	3.5	19.9
12 17	5 23.53	+21 52.8	1.612	2.595	1.5	19.8
12 27	5 12.93	+21 30.4	1.646	2.604	6.1	20.1
1 6	5 4.14	+21 10.0	1.708	2.614	10.4	20.4
1 16	4 57.97	+20 53.9	1.794	2.623	14.0	20.7

66997 1999 XR_{113} 12 14.2 104°.14 7°.0/15.5 18

11 7	6 4.81	+41 52.5	1.955	2.710	16.0	18.4
11 17	5 58.27	+42 40.7	1.889	2.728	13.2	18.2
11 27	5 48.40	+43 14.7	1.845	2.745	10.3	18.1
12 7	5 36.15	+43 28.5	1.826	2.762	7.9	18.0
12 17	5 22.98	+43 18.1	1.834	2.778	7.0	18.0
12 27	5 10.59	+42 44.5	1.870	2.794	8.4	18.1
1 6	5 0.44	+41 53.0	1.932	2.809	10.9	18.3
1 16	4 53.44	+40 51.0	2.019	2.824	13.6	18.5

316425 2010 TK_{143} 12 14.2 31°.82 0°.4/14.3 18

11 7	5 54.58	+25 23.9	1.893	2.695	14.8	20.6
11 17	5 49.96	+25 12.4	1.814	2.698	11.5	20.4
11 27	5 42.76	+24 57.0	1.757	2.701	7.6	20.1
12 7	5 33.73	+24 37.1	1.727	2.704	3.3	19.9
12 17	5 23.91	+24 12.8	1.725	2.708	1.3	19.7
12 27	5 14.56	+23 45.8	1.752	2.711	5.7	20.0
1 6	5 6.79	+23 18.9	1.806	2.715	9.7	20.3
1 16	5 1.39	+22 54.7	1.885	2.719	13.2	20.5

292014 2006 QH_{144} 12 14.2 57°.14 2°.4/14.2 18

11 7	6 1.03	+16 57.4	1.176	1.997	20.9	20.1
11 17	5 55.70	+17 7.3	1.132	2.025	16.1	19.9
11 27	5 46.78	+17 24.0	1.108	2.054	10.7	19.7
12 7	5 35.44	+17 46.6	1.106	2.082	5.0	19.4
12 17	5 23.31	+18 13.4	1.130	2.111	2.9	19.4
12 27	5 12.25	+18 43.2	1.181	2.140	7.8	19.8
1 6	5 3.75	+19 15.4	1.256	2.169	12.7	20.1
1 16	4 58.63	+19 49.5	1.354	2.198	16.8	20.5

42141 2001 BV_{31} 12 14.2 150°.69 1°.1/14.4 18

11 7	5 54.54	+27 33.1	2.903	3.679	10.8	19.6
11 17	5 49.02	+27 35.4	2.820	3.688	8.4	19.5
11 27	5 41.71	+27 34.0	2.761	3.697	5.6	19.3
12 7	5 33.18	+27 27.8	2.731	3.705	2.6	19.1
12 17	5 24.15	+27 16.6	2.731	3.713	1.4	19.0
12 27	5 15.43	+27 0.9	2.764	3.720	4.1	19.2
1 6	5 7.78	+26 42.3	2.826	3.726	7.0	19.4
1 16	5 1.77	+26 22.8	2.916	3.732	9.5	19.6

44820 1999 TX_{236} 12 14.2 265°.64 1°.1/14.2 18

11 7	5 57.78	+23 11.0	1.842	2.640	15.3	18.4
11 17	5 52.85	+23 56.2	1.749	2.630	12.0	18.1
11 27	5 44.99	+24 43.9	1.678	2.620	8.0	17.9
12 7	5 34.84	+25 31.1	1.634	2.610	3.6	17.6
12 17	5 23.44	+26 14.1	1.618	2.600	1.7	17.4
12 27	5 12.19	+26 50.9	1.632	2.590	6.2	17.7
1 6	5 2.46	+27 21.2	1.674	2.580	10.5	17.9
1 16	4 55.31	+27 46.4	1.740	2.569	14.4	18.2

304987 2007 TT_{227} 12 14.2 142°.97 1°.5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.97	+26 58.7	1.854	2.652	15.2	21.2
11 17	5 51.99	+27 11.1	1.773	2.653	11.9	21.0
11 27	5 44.22	+27 19.8	1.714	2.655	8.0	20.8
12 7	5 34.41	+27 22.4	1.681	2.656	3.7	20.5
12 17	5 23.67	+27 17.8	1.676	2.658	1.9	20.4
12 27	5 13.36	+27 6.2	1.701	2.659	6.0	20.6
1 6	5 4.72	+26 50.2	1.753	2.661	10.1	20.9
1 16	4 58.63	+26 33.0	1.829	2.662	13.6	21.1

273367 2006 UN_{224} 12 14.2 2°.87 0°.9/14.1 18

11 7	5 54.71	+23 43.9	1.178	2.012	20.0	20.3
11 17	5 51.44	+23 12.4	1.109	2.011	15.6	20.0
11 27	5 44.43	+22 36.2	1.059	2.010	10.4	19.7
12 7	5 34.63	+21 55.9	1.032	2.011	4.5	19.4
12 17	5 23.60	+21 13.3	1.029	2.012	2.0	19.2
12 27	5 13.28	+20 32.4	1.052	2.014	8.0	19.6
1 6	5 5.36	+19 57.7	1.098	2.017	13.5	19.9
1 16	5 0.87	+19 32.6	1.165	2.021	18.2	20.2

328498 2009 PG_{7} 12 14.2 130°.63 0°.2/14.2 18

11 7	6 1.44	+23 37.9	1.785	2.578	15.9	21.9
11 17	5 55.22	+23 29.7	1.715	2.593	12.3	21.7
11 27	5 46.18	+23 19.0	1.667	2.608	8.1	21.5
12 7	5 35.18	+23 5.0	1.645	2.622	3.5	21.2
12 17	5 23.41	+22 47.6	1.653	2.635	1.4	21.1
12 27	5 12.28	+22 28.3	1.690	2.648	6.0	21.4
1 6	5 3.01	+22 9.6	1.755	2.659	10.3	21.7
1 16	4 56.39	+21 54.1	1.845	2.670	13.8	22.0

158589 Snodgrass 12 14.2 125°.31 3°.4/13.8 18

11 7	5 52.00	+11 50.4	2.653	3.431	11.7	20.8
11 17	5 47.07	+11 31.5	2.577	3.443	9.2	20.7
11 27	5 40.44	+11 17.8	2.526	3.454	6.5	20.5
12 7	5 32.65	+11 10.4	2.502	3.465	4.1	20.4
12 17	5 24.39	+11 10.4	2.509	3.476	3.6	20.3
12 27	5 16.44	+11 18.1	2.545	3.486	5.5	20.5
1 6	5 9.49	+11 33.2	2.611	3.496	8.1	20.7
1 16	5 4.11	+11 55.1	2.702	3.506	10.6	20.9

302927 2003 SJ_{228} 12 14.2 65°.64 2°.3/14.4 17

11 7	6 1.38	+27 28.2	1.591	2.391	17.3	20.9
11 17	5 55.45	+28 1.3	1.539	2.420	13.4	20.7
11 27	5 46.42	+28 30.0	1.510	2.450	8.9	20.5
12 7	5 35.27	+28 50.6	1.505	2.479	4.3	20.3
12 17	5 23.41	+29 0.8	1.529	2.509	2.6	20.3
12 27	5 12.41	+29 0.9	1.581	2.538	6.5	20.6
1 6	5 3.57	+28 53.7	1.660	2.567	10.6	20.9
1 16	4 57.68	+28 43.1	1.763	2.596	14.1	21.2

157002 2003 OZ_{29} 12 14.2 99°.52 1°.7/14.0 18

11 7	5 53.45	+17 44.5	2.323	3.113	12.8	20.5
11 17	5 48.49	+17 43.1	2.248	3.124	9.9	20.4
11 27	5 41.52	+17 44.3	2.196	3.136	6.6	20.2
12 7	5 33.16	+17 48.0	2.172	3.147	3.2	20.0
12 17	5 24.21	+17 54.5	2.178	3.158	2.0	19.9
12 27	5 15.62	+18 3.7	2.215	3.169	5.1	20.2
1 6	5 8.24	+18 16.0	2.280	3.180	8.4	20.4
1 16	5 2.70	+18 31.5	2.370	3.191	11.3	20.6

146415 2001 QS_{199} 12 14.2 346°.21 8°.2/14.9 17

11 7	5 59.08	+41 29.2	1.740	2.515	17.0	18.9
11 17	5 54.69	+42 41.8	1.661	2.510	14.2	18.7
11 27	5 46.60	+43 42.3	1.603	2.506	11.3	18.5
12 7	5 35.63	+44 22.8	1.568	2.503	9.0	18.4
12 17	5 23.19	+44 37.1	1.558	2.500	8.3	18.3
12 27	5 11.19	+44 23.8	1.575	2.497	9.8	18.4
1 6	5 1.38	+43 47.3	1.616	2.495	12.6	18.6
1 16	4 54.98	+42 55.1	1.679	2.494	15.5	18.8

273212 2006 JY_{28} 12 14.2 180°.39 2°.1/14.4 17

11 7	5 54.81	+28 48.6	2.679	3.458	11.6	21.3
11 17	5 49.59	+29 22.3	2.590	3.458	9.1	21.2
11 27	5 42.31	+29 52.9	2.525	3.459	6.2	21.0
12 7	5 33.54	+30 18.2	2.488	3.459	3.3	20.8
12 17	5 24.06	+30 36.2	2.481	3.459	2.3	20.7
12 27	5 14.79	+30 46.5	2.506	3.458	4.8	20.9
1 6	5 6.62	+30 49.9	2.559	3.458	7.7	21.1
1 16	5 0.27	+30 48.6	2.640	3.457	10.4	21.3

78747 2002 TX_{275} 12 14.2 197°.94 0°.6/14.1 18

11 7	5 55.46	+22 27.5	1.979	2.777	14.4	19.9
11 17	5 50.55	+22 13.6	1.894	2.776	11.2	19.7
11 27	5 43.14	+21 58.2	1.832	2.775	7.4	19.5
12 7	5 33.93	+21 41.0	1.796	2.774	3.2	19.2
12 17	5 23.91	+21 22.4	1.790	2.772	1.4	19.1
12 27	5 14.27	+21 3.8	1.813	2.771	5.7	19.4
1 6	5 6.10	+20 47.2	1.864	2.769	9.7	19.6
1 16	5 0.20	+20 34.5	1.939	2.767	13.2	19.8

54178 2000 HY_{61} 12 14.2 314.°38 1.°9/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.27	+26 28.2	1.416	2.233	18.1	19.3
11 17	5 52.50	+26 50.6	1.331	2.223	14.3	19.1
11 27	5 45.17	+27 10.4	1.267	2.212	9.7	18.8
12 7	5 35.04	+27 24.3	1.226	2.202	4.6	18.5
12 17	5 23.44	+27 29.4	1.211	2.192	2.4	18.3
12 27	5 12.19	+27 25.6	1.222	2.183	7.4	18.6
1 6	5 2.99	+27 15.3	1.259	2.174	12.5	18.8
1 16	4 57.06	+27 2.6	1.318	2.166	17.0	19.1

219093 1998 RK_{74} 12 14.2 70.°48 4.°3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.47	+15 1.5	1.428	2.229	18.8	19.6
11 17	5 55.96	+14 17.4	1.387	2.267	14.6	19.4
11 27	5 46.51	+13 39.2	1.367	2.305	9.9	19.2
12 7	5 35.22	+13 9.4	1.372	2.342	5.6	19.1
12 17	5 23.51	+12 50.0	1.405	2.378	4.6	19.1
12 27	5 12.85	+12 42.3	1.466	2.414	8.0	19.4
1 6	5 4.41	+12 46.2	1.552	2.449	11.9	19.7
1 16	4 58.87	+13 0.8	1.662	2.483	15.3	20.0

12691 1988 VF_2 12 14.2 85.°21 4.°0/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.09	+30 41.9	1.495	2.294	18.2	17.8
11 17	5 57.34	+31 31.1	1.434	2.312	14.4	17.6
11 27	5 48.01	+32 13.9	1.395	2.331	10.0	17.4
12 7	5 36.08	+32 44.5	1.380	2.349	5.7	17.2
12 17	5 23.11	+32 58.9	1.392	2.367	4.2	17.2
12 27	5 10.93	+32 56.8	1.432	2.384	7.6	17.4
1 6	5 1.13	+32 42.1	1.497	2.402	11.7	17.7
1 16	4 54.69	+32 20.6	1.586	2.419	15.4	18.0

295961 2008 YJ_{19} 12 14.2 249.°88 3.°4/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.00	+12 44.5	2.162	2.944	13.8	21.6
11 17	5 50.89	+12 42.6	2.058	2.927	11.0	21.4
11 27	5 43.41	+12 47.3	1.977	2.909	7.7	21.1
12 7	5 34.11	+12 59.8	1.923	2.890	4.5	20.9
12 17	5 23.83	+13 20.3	1.898	2.871	3.6	20.8
12 27	5 13.63	+13 48.7	1.904	2.851	6.5	21.0
1 6	5 4.59	+14 24.2	1.938	2.831	10.1	21.1
1 16	4 57.56	+15 5.8	1.997	2.810	13.4	21.3

472393 2015 BQ_{143} 12 14.2 166.°71 0.°6/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.67	+23 33.8	1.717	2.512	16.4	22.0
11 17	5 55.81	+23 54.4	1.637	2.516	12.8	21.7
11 27	5 46.85	+24 14.6	1.579	2.521	8.5	21.5
12 7	5 35.61	+24 32.1	1.547	2.524	3.7	21.2
12 17	5 23.28	+24 44.7	1.544	2.527	1.5	21.1
12 27	5 11.41	+24 52.0	1.570	2.529	6.3	21.4
1 6	5 1.39	+24 55.6	1.624	2.530	10.8	21.6
1 16	4 54.18	+24 57.9	1.703	2.531	14.7	21.9

117443 2005 AW_{42} 12 14.2 40.°63 3.°3/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.27	+16 1.7	1.351	2.171	18.7	19.2
11 17	5 51.05	+15 49.0	1.296	2.188	14.6	19.0
11 27	5 43.72	+15 42.5	1.261	2.205	9.8	18.8
12 7	5 34.21	+15 43.2	1.249	2.223	5.1	18.5
12 17	5 23.88	+15 51.5	1.264	2.242	3.6	18.5
12 27	5 14.30	+16 7.4	1.305	2.262	7.6	18.8
1 6	5 6.78	+16 30.5	1.371	2.281	12.1	19.1
1 16	5 2.15	+16 59.7	1.460	2.302	16.0	19.4

20364 Zdenekmiler 12 14.2 48.°32 1.°3/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.71	+19 55.2	1.890	2.693	14.8	17.2
11 17	5 49.18	+19 49.8	1.819	2.703	11.4	17.0
11 27	5 42.20	+19 45.6	1.770	2.713	7.6	16.8
12 7	5 33.52	+19 42.6	1.747	2.724	3.4	16.5
12 17	5 24.13	+19 41.0	1.753	2.735	1.8	16.4
12 27	5 15.20	+19 41.4	1.788	2.746	5.8	16.7
1 6	5 7.77	+19 44.5	1.850	2.757	9.7	17.0
1 16	5 2.59	+19 51.3	1.937	2.768	13.0	17.2

403945 2012 BW_{30} 12 14.2 21.°54 4.°4/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.24	+11 24.0	1.885	2.680	15.1	21.2
11 17	5 48.83	+11 8.5	1.807	2.682	12.0	21.0
11 27	5 42.01	+11 1.1	1.751	2.683	8.6	20.7
12 7	5 33.47	+11 3.4	1.720	2.685	5.4	20.6
12 17	5 24.14	+11 16.4	1.717	2.686	4.6	20.5
12 27	5 15.15	+11 40.2	1.743	2.688	7.2	20.7
1 6	5 7.55	+12 13.8	1.796	2.690	10.6	20.9
1 16	5 2.12	+12 55.3	1.872	2.692	13.9	21.1

269643 6765 *P–L* 12 14.2 48.°05 2.°5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.44	+27 31.2	1.214	2.037	20.2	20.7
11 17	5 54.97	+27 56.1	1.160	2.053	15.8	20.4
11 27	5 46.63	+28 15.9	1.124	2.070	10.6	20.2
12 7	5 35.53	+28 26.7	1.112	2.088	5.1	20.0
12 17	5 23.38	+28 25.9	1.125	2.106	2.9	19.9
12 27	5 12.20	+28 14.4	1.164	2.125	7.7	20.2
1 6	5 3.63	+27 56.3	1.228	2.144	12.6	20.5
1 16	4 58.65	+27 36.6	1.312	2.163	16.9	20.9

332918 2011 CH_1 12 14.2 224.°19 2.°5/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.38	+14 15.4	2.525	3.309	12.0	20.9
11 17	5 47.64	+14 15.8	2.433	3.304	9.5	20.8
11 27	5 41.01	+14 20.9	2.365	3.300	6.5	20.6
12 7	5 33.00	+14 31.4	2.325	3.295	3.6	20.4
12 17	5 24.33	+14 47.2	2.314	3.290	2.8	20.3
12 27	5 15.85	+15 8.4	2.335	3.284	5.3	20.5
1 6	5 8.39	+15 34.4	2.384	3.279	8.4	20.6
1 16	5 2.58	+16 4.8	2.459	3.273	11.2	20.8

129647 1998 LX_2 12 14.2 172.°45 3.°7/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.63	+12 45.2	2.222	3.004	13.5	20.5
11 17	5 50.27	+12 23.6	2.139	3.007	10.7	20.3
11 27	5 42.77	+12 7.2	2.079	3.010	7.5	20.1
12 7	5 33.75	+11 57.6	2.047	3.012	4.6	19.9
12 17	5 24.05	+11 55.8	2.044	3.014	3.9	19.9
12 27	5 14.66	+12 2.6	2.071	3.014	6.4	20.1
1 6	5 6.52	+12 17.9	2.127	3.015	9.5	20.3
1 16	5 0.31	+12 40.8	2.207	3.015	12.5	20.5

218861 2006 WX_{112} 12 14.2 349.°80 3.°6/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.64	+28 27.8	1.122	1.960	20.6	19.8
11 17	5 51.28	+29 7.4	1.051	1.952	16.3	19.5
11 27	5 44.79	+29 42.9	0.997	1.945	11.3	19.2
12 7	5 35.00	+30 9.0	0.965	1.940	5.9	18.9
12 17	5 23.54	+30 21.2	0.957	1.936	4.0	18.8
12 27	5 12.60	+30 18.4	0.972	1.933	8.7	19.1
1 6	5 4.23	+30 4.2	1.010	1.932	14.1	19.4
1 16	4 59.73	+29 44.4	1.068	1.932	18.9	19.6

321504 2009 SU_{153} 12 14.2 49.°64 5.°8/13.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.79	+ 8 57.7	1.987	2.777	14.6	20.1
11 17	5 47.44	+ 8 4.0	1.919	2.786	11.8	20.0
11 27	5 40.94	+ 7 17.9	1.873	2.796	8.8	19.8
12 7	5 32.97	+ 6 43.1	1.853	2.805	6.3	19.7
12 17	5 24.40	+ 6 22.3	1.861	2.815	6.0	19.7
12 27	5 16.24	+ 6 17.0	1.896	2.825	8.0	19.8
1 6	5 9.41	+ 6 26.8	1.958	2.835	10.8	20.0
1 16	5 4.56	+ 6 49.9	2.043	2.846	13.5	20.2

102422 1999 TW_{191} 12 14.2 96.°11 3.°7/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.66	+32 22.7	1.565	2.356	17.9	19.9
11 17	5 58.25	+32 39.5	1.506	2.378	14.1	19.7
11 27	5 48.41	+32 46.7	1.467	2.400	9.8	19.5
12 7	5 36.20	+32 39.8	1.453	2.421	5.5	19.3
12 17	5 23.18	+32 17.2	1.466	2.442	3.9	19.2
12 27	5 11.11	+31 40.7	1.508	2.462	7.1	19.5
1 6	5 1.44	+30 56.0	1.577	2.482	11.2	19.8
1 16	4 55.02	+30 9.3	1.670	2.501	14.8	20.0

41068 1999 VO_{32} 12 14.2 63.°65 0.°4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.11	+24 38.3	2.101	2.897	13.7	19.4
11 17	5 49.37	+24 38.7	2.022	2.903	10.6	19.2
11 27	5 42.30	+24 36.7	1.967	2.910	7.0	19.0
12 7	5 33.58	+24 31.5	1.939	2.916	3.0	18.8
12 17	5 24.16	+24 22.7	1.940	2.923	1.2	18.6
12 27	5 15.14	+24 11.0	1.970	2.929	5.2	18.9
1 6	5 7.53	+23 58.3	2.029	2.936	8.9	19.2
1 16	5 2.05	+23 46.7	2.113	2.943	12.2	19.4

31914 2000 GL_{65} 12 14.2 100.°55 2.°1/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.63	+19 1.0	1.408	2.216	18.7	18.7
11 17	5 55.90	+18 46.8	1.348	2.234	14.5	18.5
11 27	5 46.89	+18 35.0	1.308	2.252	9.6	18.3
12 7	5 35.58	+18 25.7	1.294	2.270	4.5	18.0
12 17	5 23.41	+18 19.3	1.306	2.287	2.7	18.0
12 27	5 12.05	+18 16.8	1.346	2.303	7.3	18.3
1 6	5 2.91	+18 19.6	1.412	2.319	12.0	18.6
1 16	4 56.87	+18 28.3	1.501	2.335	16.0	18.9

163796 2003 QU_{58} 12 14.2 174.°45 0.°1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.63	+22 53.8	2.020	2.812	14.4	20.9
11 17	5 52.23	+23 3.1	1.936	2.814	11.2	20.7
11 27	5 44.29	+23 11.8	1.874	2.816	7.4	20.4
12 7	5 34.48	+23 18.7	1.840	2.817	3.2	20.2
12 17	5 23.81	+23 22.8	1.835	2.818	1.2	20.0
12 27	5 13.50	+23 24.4	1.860	2.818	5.5	20.3
1 6	5 4.66	+23 24.5	1.913	2.818	9.5	20.6
1 16	4 58.13	+23 25.0	1.992	2.818	13.0	20.8

296494 2009 JC_2 12 14.2 164.°35 0.°3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.67	+24 55.5	1.788	2.580	15.9	21.7
11 17	5 55.59	+24 44.5	1.707	2.586	12.4	21.5
11 27	5 46.58	+24 29.7	1.650	2.591	8.2	21.2
12 7	5 35.46	+24 9.9	1.618	2.595	3.6	21.0
12 17	5 23.45	+23 45.0	1.616	2.599	1.4	20.8
12 27	5 11.98	+23 16.8	1.644	2.602	6.1	21.1
1 6	5 2.35	+22 48.6	1.699	2.604	10.5	21.4
1 16	4 55.43	+22 23.5	1.779	2.605	14.2	21.6

224733 2006 CX_{27} 12 14.2 60°.44 4°.3/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.48	+10 32.6	2.094	2.882	14.0	20.0
11 17	5 47.95	+10 16.6	2.019	2.889	11.2	19.8
11 27	5 41.29	+10 8.4	1.968	2.897	8.0	19.6
12 7	5 33.14	+10 9.7	1.942	2.904	5.2	19.5
12 17	5 24.35	+10 21.4	1.945	2.911	4.5	19.5
12 27	5 15.91	+10 43.5	1.977	2.919	6.8	19.6
1 6	5 8.72	+11 15.1	2.036	2.926	9.8	19.8
1 16	5 3.47	+11 54.4	2.120	2.934	12.7	20.0

74142 1998 QL_{77} 12 14.2 84°.77 0°.2/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.05	+25 1.7	1.813	2.611	15.5	19.0
11 17	5 52.54	+24 29.8	1.745	2.627	12.0	18.8
11 27	5 44.38	+23 53.3	1.700	2.643	7.9	18.6
12 7	5 34.45	+23 12.3	1.681	2.659	3.4	18.4
12 17	5 23.90	+22 28.3	1.691	2.674	1.3	18.3
12 27	5 14.01	+21 44.0	1.731	2.690	5.8	18.6
1 6	5 5.90	+21 3.1	1.799	2.705	9.9	18.9
1 16	5 0.28	+20 28.4	1.891	2.720	13.4	19.1

230433 2002 PD_{132} 12 14.2 57°.98 5°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.09	+ 6 29.7	2.130	2.907	14.2	19.5
11 17	5 48.27	+ 6 24.0	2.065	2.924	11.4	19.3
11 27	5 41.42	+ 6 29.6	2.023	2.941	8.5	19.2
12 7	5 33.18	+ 6 47.8	2.007	2.959	6.0	19.0
12 17	5 24.39	+ 7 19.1	2.019	2.976	5.4	19.0
12 27	5 16.00	+ 8 2.7	2.061	2.994	7.1	19.2
1 6	5 8.87	+ 8 56.2	2.130	3.012	9.8	19.4
1 16	5 3.63	+ 9 56.9	2.223	3.030	12.5	19.6

9900 Llull 12 14.2 186°.08 1°.7/14.1 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.07	+18 58.6	1.801	2.592	15.9	18.0
11 17	5 55.14	+18 50.5	1.715	2.593	12.4	17.8
11 27	5 46.34	+18 44.1	1.652	2.592	8.3	17.5
12 7	5 35.42	+18 39.4	1.616	2.591	3.9	17.3
12 17	5 23.49	+18 36.4	1.608	2.589	2.3	17.2
12 27	5 11.96	+18 35.8	1.630	2.586	6.5	17.4
1 6	5 2.09	+18 38.7	1.680	2.581	10.8	17.7
1 16	4 54.81	+18 46.2	1.755	2.576	14.6	17.9

239499 2007 VP_{97} 12 14.2 92°.35 2°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.60	+29 15.3	1.924	2.711	15.2	20.9
11 17	5 54.51	+29 38.0	1.862	2.735	11.8	20.8
11 27	5 45.71	+29 55.2	1.822	2.758	8.0	20.6
12 7	5 35.04	+30 3.9	1.808	2.780	4.1	20.4
12 17	5 23.69	+30 2.4	1.824	2.803	2.6	20.3
12 27	5 12.99	+29 51.4	1.869	2.824	5.9	20.6
1 6	5 4.10	+29 33.7	1.943	2.846	9.5	20.8
1 16	4 57.79	+29 13.0	2.041	2.867	12.7	21.1

97616 2000 EU_{101} 12 14.2 193°.41 0°.4/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.61	+22 16.3	2.666	3.453	11.4	21.1
11 17	5 47.75	+22 9.6	2.576	3.452	8.8	20.9
11 27	5 41.05	+22 1.9	2.510	3.450	5.8	20.7
12 7	5 33.04	+21 53.1	2.472	3.449	2.5	20.5
12 17	5 24.43	+21 43.2	2.464	3.447	1.1	20.4
12 27	5 16.08	+21 33.0	2.487	3.444	4.4	20.7
1 6	5 8.77	+21 23.5	2.540	3.442	7.6	20.9
1 16	5 3.11	+21 16.1	2.619	3.439	10.4	21.0

171426 2007 PP_{18} 12 14.2 156°.44 0°.6/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.41	+21 24.6	2.657	3.444	11.4	21.0
11 17	5 47.57	+21 18.5	2.571	3.447	8.8	20.8
11 27	5 40.90	+21 12.0	2.510	3.450	5.8	20.6
12 7	5 32.96	+21 5.0	2.477	3.453	2.5	20.4
12 17	5 24.47	+20 57.7	2.474	3.456	1.2	20.3
12 27	5 16.25	+20 50.7	2.502	3.459	4.4	20.6
1 6	5 9.08	+20 45.0	2.559	3.461	7.6	20.8
1 16	5 3.55	+20 41.6	2.643	3.463	10.3	21.0

243946 2001 QM_{79} 12 14.2 88°.54 9°.8/15.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 8.45	+49 13.6	2.082	2.804	16.2	19.9
11 17	6 1.76	+50 44.1	2.023	2.822	14.0	19.8
11 27	5 51.15	+51 57.8	1.985	2.840	11.9	19.7
12 7	5 37.59	+52 46.2	1.970	2.858	10.3	19.6
12 17	5 22.67	+53 3.5	1.980	2.876	9.8	19.6
12 27	5 8.46	+52 49.1	2.017	2.893	10.6	19.7
1 6	4 56.77	+52 8.3	2.078	2.910	12.2	19.8
1 16	4 48.72	+51 9.4	2.161	2.927	14.1	20.0

40447 Lorenzoni 12 14.2 103°.03 2°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.24	+29 8.6	1.972	2.756	14.9	20.0
11 17	5 54.93	+29 26.7	1.907	2.779	11.6	19.8
11 27	5 45.95	+29 39.2	1.866	2.801	7.9	19.6
12 7	5 35.14	+29 43.3	1.851	2.823	4.0	19.5
12 17	5 23.66	+29 37.6	1.866	2.845	2.5	19.4
12 27	5 12.84	+29 23.0	1.911	2.866	5.7	19.6
1 6	5 3.79	+29 2.3	1.984	2.886	9.4	19.9
1 16	4 57.29	+28 39.3	2.082	2.906	12.6	20.2

523245 2017 AJ_{8} 12 14.2 0°.86 3°.3/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.74	+29 53.5	1.581	2.390	17.0	20.5
11 17	5 51.70	+30 24.1	1.504	2.389	13.4	20.3
11 27	5 44.42	+30 49.2	1.448	2.388	9.3	20.0
12 7	5 34.68	+31 4.8	1.416	2.388	5.0	19.8
12 17	5 23.79	+31 8.0	1.411	2.388	3.5	19.7
12 27	5 13.37	+30 58.7	1.433	2.389	7.0	19.9
1 6	5 4.91	+30 40.0	1.480	2.391	11.3	20.1
1 16	4 59.43	+30 16.6	1.551	2.393	15.2	20.4

290618 2005 UB_{226} 12 14.2 57°.59 0°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.08	+25 0.2	1.947	2.746	14.6	20.9
11 17	5 50.33	+25 11.3	1.871	2.753	11.3	20.7
11 27	5 43.05	+25 20.4	1.818	2.761	7.5	20.4
12 7	5 33.97	+25 25.8	1.791	2.768	3.3	20.2
12 17	5 24.09	+25 26.5	1.793	2.776	1.4	20.1
12 27	5 14.65	+25 22.9	1.824	2.784	5.5	20.4
1 6	5 6.74	+25 16.6	1.883	2.791	9.4	20.6
1 16	5 1.16	+25 9.9	1.967	2.799	12.8	20.9

2366 Aaryn 12 14.2 15°.68 0°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.62	+25 4.3	1.123	1.959	20.7	16.6
11 17	5 52.41	+25 5.6	1.060	1.962	16.2	16.4
11 27	5 45.23	+25 3.4	1.015	1.965	10.7	16.1
12 7	5 35.10	+24 55.9	0.992	1.970	4.7	15.8
12 17	5 23.66	+24 41.9	0.993	1.976	1.9	15.6
12 27	5 13.00	+24 23.3	1.019	1.982	7.9	16.0
1 6	5 4.89	+24 3.9	1.068	1.989	13.5	16.3
1 16	5 0.43	+23 47.5	1.137	1.997	18.2	16.6

92238 2000 AM_{131} 12 14.2 46°.11 3°.9/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.61	+34 32.3	2.014	2.799	14.7	19.0
11 17	5 51.63	+34 46.6	1.939	2.806	11.7	18.8
11 27	5 43.95	+34 51.6	1.885	2.813	8.3	18.6
12 7	5 34.36	+34 43.9	1.857	2.821	5.1	18.4
12 17	5 23.98	+34 22.1	1.857	2.829	4.0	18.4
12 27	5 14.14	+33 47.5	1.887	2.837	6.3	18.5
1 6	5 6.01	+33 3.8	1.943	2.845	9.6	18.7
1 16	5 0.39	+32 16.0	2.025	2.853	12.7	19.0

29524 1998 AE 12 14.2 312°.99 2°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.48	+13 55.1	2.122	2.917	13.6	18.3
11 17	5 47.49	+13 58.0	2.020	2.898	10.8	18.1
11 27	5 41.24	+14 7.2	1.941	2.878	7.5	17.9
12 7	5 33.26	+14 23.7	1.889	2.859	4.2	17.6
12 17	5 24.35	+14 47.4	1.865	2.840	3.2	17.5
12 27	5 15.54	+15 18.2	1.870	2.822	6.2	17.7
1 6	5 7.84	+15 55.2	1.903	2.804	9.8	17.9
1 16	5 2.08	+16 37.3	1.960	2.786	13.2	18.1

362992 2013 CW_{121} 12 14.2 299°.83 7°.6/15.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.44	+41 27.6	1.791	2.562	16.7	21.0
11 17	5 55.66	+42 18.5	1.704	2.552	14.0	20.8
11 27	5 47.24	+42 56.5	1.637	2.542	11.0	20.6
12 7	5 35.99	+43 14.3	1.593	2.532	8.5	20.4
12 17	5 23.31	+43 6.6	1.575	2.522	7.7	20.3
12 27	5 11.08	+42 32.8	1.584	2.513	9.3	20.4
1 6	5 1.01	+41 37.7	1.619	2.503	12.2	20.6
1 16	4 54.27	+40 29.5	1.676	2.494	15.3	20.8

81390 2000 GB_{79} 12 14.2 99°.98 3°.1/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.43	+30 18.3	1.979	2.767	14.8	19.6
11 17	5 53.08	+30 57.7	1.904	2.776	11.6	19.4
11 27	5 44.97	+31 32.2	1.852	2.786	8.0	19.2
12 7	5 34.84	+31 58.1	1.826	2.795	4.5	19.0
12 17	5 23.81	+32 12.4	1.828	2.803	3.3	19.0
12 27	5 13.23	+32 14.9	1.860	2.812	6.2	19.2
1 6	5 4.30	+32 7.5	1.920	2.821	9.7	19.4
1 16	4 57.90	+31 54.1	2.004	2.829	12.9	19.6

403872 2011 WJ_{35} 12 14.2 264°.46 0°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.25	+23 9.7	1.959	2.758	14.5	21.5
11 17	5 50.59	+23 1.1	1.866	2.748	11.3	21.2
11 27	5 43.34	+22 50.7	1.795	2.738	7.5	21.0
12 7	5 34.17	+22 37.9	1.751	2.729	3.2	20.7
12 17	5 24.06	+22 22.6	1.736	2.719	1.3	20.6
12 27	5 14.23	+22 6.1	1.750	2.709	5.7	20.8
1 6	5 5.85	+21 50.3	1.792	2.699	9.9	21.1
1 16	4 59.77	+21 37.5	1.858	2.689	13.5	21.3

444857 2007 VA_{215} 12 14.2 341°.85 4°.4/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 49.24	+15 37.0	1.300	2.133	18.5	20.7
11 17	5 46.99	+15 1.7	1.219	2.118	14.7	20.4
11 27	5 41.51	+14 30.8	1.158	2.104	10.3	20.1
12 7	5 33.54	+14 7.4	1.119	2.092	5.8	19.8
12 17	5 24.28	+13 54.4	1.104	2.080	4.7	19.7
12 27	5 15.36	+13 54.0	1.115	2.070	8.7	19.9
1 6	5 8.29	+14 6.8	1.148	2.062	13.6	20.2
1 16	5 4.16	+14 31.8	1.203	2.055	18.0	20.4

2831 Stevin 12 14.2 63°.04 0°.1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 1.55	+21 58.6	1.215	2.035	20.4	15.6
11 17	5 56.36	+22 20.1	1.164	2.058	15.7	15.4
11 27	5 47.44	+22 42.9	1.133	2.081	10.3	15.1
12 7	5 35.92	+23 4.2	1.126	2.104	4.4	14.9
12 17	5 23.45	+23 21.7	1.144	2.127	1.7	14.7
12 27	5 11.98	+23 35.0	1.189	2.150	7.4	15.2
1 6	5 3.07	+23 45.8	1.259	2.173	12.5	15.5
1 16	4 57.65	+23 56.3	1.350	2.196	16.7	15.9

46061 2001 DC_{90} 12 14.2 266°.05 7°.1/12.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.70	+ 7 53.7	1.871	2.659	15.5	19.2
11 17	5 49.29	+ 6 38.9	1.784	2.648	12.7	19.0
11 27	5 42.43	+ 5 30.6	1.719	2.637	9.8	18.8
12 7	5 33.76	+ 4 33.8	1.679	2.625	7.5	18.7
12 17	5 24.22	+ 3 53.2	1.667	2.614	7.3	18.6
12 27	5 14.95	+ 3 32.1	1.682	2.602	9.5	18.7
1 6	5 7.02	+ 3 30.9	1.722	2.591	12.5	18.9
1 16	5 1.27	+ 3 48.1	1.785	2.579	15.6	19.1

520520 2014 LP_{32} 12 14.2 154°.15 0°.4/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.20	+21 48.1	2.083	2.872	14.1	21.8
11 17	5 52.68	+22 27.6	2.000	2.876	10.9	21.6
11 27	5 44.63	+23 9.2	1.940	2.880	7.2	21.4
12 7	5 34.70	+23 50.5	1.907	2.884	3.1	21.1
12 17	5 23.87	+24 29.1	1.905	2.887	1.3	21.0
12 27	5 13.31	+25 3.4	1.933	2.890	5.4	21.3
1 6	5 4.16	+25 33.3	1.990	2.893	9.3	21.5
1 16	4 57.26	+25 59.6	2.072	2.896	12.6	21.7

26019 2768 *P–L* 12 14.2 207°.95 1°.0/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.04	+20 28.5	2.126	2.918	13.7	19.7
11 17	5 50.92	+20 25.0	2.036	2.914	10.7	19.4
11 27	5 43.41	+20 22.1	1.968	2.910	7.1	19.2
12 7	5 34.16	+20 19.5	1.928	2.905	3.2	19.0
12 17	5 24.08	+20 17.1	1.918	2.900	1.6	18.8
12 27	5 14.28	+20 15.5	1.937	2.894	5.5	19.1
1 6	5 5.80	+20 15.7	1.985	2.888	9.3	19.3
1 16	4 59.44	+20 18.7	2.058	2.882	12.7	19.5

490732 2010 RS_{162} 12 14.2 38°.86 9°.6/15.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.57	+44 53.0	1.650	2.415	18.2	21.3
11 17	5 57.57	+46 15.1	1.594	2.430	15.4	21.2
11 27	5 48.54	+47 20.4	1.556	2.446	12.6	21.0
12 7	5 36.51	+48 0.1	1.542	2.462	10.4	21.0
12 17	5 23.20	+48 8.3	1.552	2.479	9.7	21.0
12 27	5 10.73	+47 45.1	1.587	2.496	10.8	21.1
1 6	5 0.92	+46 56.5	1.646	2.514	13.0	21.2
1 16	4 54.86	+45 52.0	1.727	2.532	15.5	21.5

111085 2001 VP_{60} 12 14.2 335°.59 0°.4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.03	+25 27.4	1.940	2.739	14.6	19.8
11 17	5 50.36	+25 15.0	1.856	2.738	11.4	19.6
11 27	5 43.13	+24 58.8	1.794	2.737	7.5	19.4
12 7	5 34.05	+24 37.8	1.759	2.736	3.3	19.1
12 17	5 24.14	+24 12.4	1.752	2.735	1.3	19.0
12 27	5 14.64	+23 44.1	1.774	2.734	5.6	19.3
1 6	5 6.68	+23 15.6	1.824	2.733	9.7	19.5
1 16	5 1.05	+22 49.9	1.899	2.732	13.2	19.7

366477 2002 GA_{186} 12 14.2 192°.30 0°.7/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.61	+21 41.2	2.394	3.184	12.4	22.1
11 17	5 48.74	+21 31.0	2.305	3.183	9.6	21.9
11 27	5 41.82	+21 20.1	2.241	3.182	6.4	21.7
12 7	5 33.43	+21 8.4	2.204	3.181	2.8	21.4
12 17	5 24.38	+20 56.2	2.197	3.179	1.3	21.3
12 27	5 15.62	+20 44.2	2.221	3.178	4.9	21.6
1 6	5 8.04	+20 34.0	2.273	3.176	8.3	21.8
1 16	5 2.30	+20 26.6	2.351	3.174	11.3	22.0

47705 2000 DT_{9} 12 14.2 139°.68 0°.1/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.39	+23 6.8	2.643	3.428	11.5	20.4
11 17	5 48.34	+23 5.4	2.560	3.436	8.9	20.2
11 27	5 41.43	+23 2.7	2.502	3.443	5.8	20.0
12 7	5 33.23	+22 58.4	2.472	3.449	2.5	19.8
12 17	5 24.47	+22 52.2	2.473	3.456	1.0	19.7
12 27	5 16.02	+22 44.7	2.505	3.462	4.4	20.0
1 6	5 8.67	+22 37.1	2.566	3.468	7.5	20.2
1 16	5 3.00	+22 30.7	2.653	3.474	10.2	20.4

518356 2017 DM_{42} 12 14.2 143°.24 3°.0/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.88	+34 31.7	3.073	3.831	10.7	21.9
11 17	5 50.91	+34 55.1	2.992	3.844	8.5	21.8
11 27	5 43.07	+35 12.0	2.936	3.856	6.1	21.6
12 7	5 33.92	+35 20.0	2.908	3.867	3.9	21.5
12 17	5 24.23	+35 17.9	2.911	3.878	3.1	21.5
12 27	5 14.86	+35 5.7	2.945	3.888	4.7	21.6
1 6	5 6.62	+34 45.4	3.009	3.898	7.0	21.8
1 16	5 0.11	+34 19.9	3.101	3.907	9.3	21.9

117546 2005 ET_{5} 12 14.2 257°.61 2°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.23	+14 20.7	2.487	3.275	12.1	20.2
11 17	5 46.81	+14 3.9	2.396	3.269	9.5	20.0
11 27	5 40.52	+13 51.0	2.329	3.264	6.6	19.8
12 7	5 32.89	+13 43.0	2.290	3.258	3.8	19.6
12 17	5 24.62	+13 40.9	2.280	3.253	3.1	19.6
12 27	5 16.56	+13 45.2	2.299	3.247	5.5	19.7
1 6	5 9.53	+13 56.3	2.348	3.241	8.5	19.9
1 16	5 4.14	+14 13.6	2.422	3.236	11.3	20.1

193753 2001 KB_{25} 12 14.2 203°.57 0°.6/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.62	+25 3.6	2.790	3.572	11.1	21.3
11 17	5 48.56	+25 13.2	2.695	3.568	8.6	21.1
11 27	5 41.63	+25 21.1	2.625	3.564	5.7	20.9
12 7	5 33.35	+25 26.0	2.583	3.559	2.5	20.7
12 17	5 24.44	+25 27.4	2.572	3.554	1.1	20.6
12 27	5 15.73	+25 25.5	2.592	3.549	4.3	20.8
1 6	5 8.04	+25 21.1	2.642	3.544	7.3	21.0
1 16	5 1.98	+25 15.9	2.718	3.538	10.1	21.2

147359 2003 CJ_{8} 12 14.2 288°.03 5°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.81	+10 11.7	2.003	2.792	14.5	19.9
11 17	5 48.62	+ 9 43.1	1.902	2.772	11.7	19.6
11 27	5 42.05	+ 9 21.7	1.824	2.751	8.6	19.4
12 7	5 33.66	+ 9 10.1	1.771	2.730	5.8	19.2
12 17	5 24.29	+ 9 10.5	1.746	2.709	5.3	19.1
12 27	5 15.04	+ 9 24.1	1.749	2.689	7.7	19.2
1 6	5 6.97	+ 9 50.4	1.780	2.668	11.1	19.4
1 16	5 0.95	+10 28.1	1.834	2.647	14.4	19.5

23198 Norvell 12 14.2 137°.54 0°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.21	+23 41.6	2.165	2.958	13.5	19.0
11 17	5 50.22	+23 50.0	2.083	2.961	10.5	18.8
11 27	5 42.91	+23 57.3	2.024	2.965	6.9	18.6
12 7	5 33.94	+24 2.2	1.992	2.969	3.0	18.4
12 17	5 24.22	+24 4.1	1.989	2.972	1.2	18.2
12 27	5 14.84	+24 3.2	2.017	2.975	5.1	18.5
1 6	5 6.82	+24 0.7	2.073	2.978	8.8	18.8
1 16	5 0.89	+23 58.3	2.154	2.981	12.1	19.0

441257 2007 VY_{292} 12 14.2 30°.40 7°.8/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.77	+ 4 57.3	1.344	2.149	19.6	19.9
11 17	5 49.88	+ 4 40.2	1.290	2.163	16.0	19.7
11 27	5 43.00	+ 4 41.4	1.255	2.178	12.1	19.5
12 7	5 34.02	+ 5 4.2	1.242	2.194	8.8	19.4
12 17	5 24.21	+ 5 49.3	1.254	2.211	7.9	19.4
12 27	5 15.05	+ 6 54.6	1.292	2.229	10.0	19.5
1 6	5 7.82	+ 8 14.8	1.354	2.248	13.4	19.8
1 16	5 3.35	+ 9 44.3	1.437	2.267	16.8	20.1

448031 2008 EQ_{55} 12 14.2 116°.77 5°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.03	+ 6 12.3	2.139	2.913	14.2	21.3
11 17	5 49.05	+ 5 42.4	2.068	2.923	11.6	21.1
11 27	5 41.99	+ 5 22.6	2.020	2.934	8.8	21.0
12 7	5 33.50	+ 5 15.7	1.997	2.943	6.5	20.8
12 17	5 24.40	+ 5 23.3	2.003	2.953	6.0	20.8
12 27	5 15.68	+ 5 45.6	2.037	2.962	7.8	21.0
1 6	5 8.21	+ 6 21.1	2.098	2.971	10.4	21.1
1 16	5 2.65	+ 7 7.5	2.184	2.980	13.0	21.3

168143 2006 HX_{7} 12 14.2 133°.59 1°.6/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.60	+20 16.5	1.626	2.424	17.0	20.8
11 17	5 55.63	+19 57.9	1.556	2.437	13.2	20.6
11 27	5 46.65	+19 39.7	1.508	2.450	8.8	20.3
12 7	5 35.56	+19 21.8	1.485	2.461	4.0	20.1
12 17	5 23.63	+19 4.9	1.491	2.473	2.2	20.0
12 27	5 12.34	+18 50.7	1.526	2.483	6.7	20.3
1 6	5 3.00	+18 41.0	1.589	2.493	11.2	20.6
1 16	4 56.46	+18 37.4	1.675	2.502	15.0	20.8

107692 2001 FA_{15} 12 14.2 332°.67 4°.4/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.53	+14 52.5	1.511	2.327	17.2	19.6
11 17	5 49.02	+14 11.6	1.429	2.318	13.7	19.4
11 27	5 42.57	+13 34.8	1.368	2.310	9.6	19.1
12 7	5 33.93	+13 5.1	1.332	2.302	5.6	18.9
12 17	5 24.21	+12 45.3	1.321	2.294	4.8	18.8
12 27	5 14.85	+12 37.6	1.337	2.287	8.2	19.0
1 6	5 7.18	+12 42.9	1.377	2.281	12.5	19.2
1 16	5 2.16	+13 0.5	1.440	2.276	16.5	19.5

260988 2005 SZ_{77} 12 14.2 67°.88 0°.9/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.64	+25 25.7	1.945	2.743	14.6	21.4
11 17	5 50.79	+25 37.2	1.870	2.751	11.3	21.2
11 27	5 43.39	+25 46.1	1.817	2.759	7.5	20.9
12 7	5 34.16	+25 51.0	1.791	2.768	3.4	20.7
12 17	5 24.15	+25 50.6	1.794	2.776	1.5	20.6
12 27	5 14.59	+25 45.5	1.826	2.785	5.5	20.9
1 6	5 6.59	+25 37.5	1.886	2.794	9.4	21.1
1 16	5 0.92	+25 28.8	1.970	2.802	12.8	21.4

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
409112 2003 TO_{29}			12 14.2 351°.82		4°.5/14.6 18	
	h m	° ′			°	m
11 7	5 55.42	+33 53.9	1.972	2.761	14.8	20.4
11 17	5 51.05	+34 40.9	1.888	2.757	11.9	20.2
11 27	5 43.82	+35 21.1	1.827	2.755	8.6	20.0
12 7	5 34.45	+35 50.1	1.792	2.753	5.6	19.8
12 17	5 24.02	+36 4.3	1.784	2.751	4.7	19.8
12 27	5 13.91	+36 3.0	1.804	2.750	6.9	19.9
1 6	5 5.44	+35 48.5	1.851	2.749	10.2	20.1
1 16	4 59.53	+35 25.2	1.922	2.748	13.3	20.3
320115 2007 EO_{169}			12 14.2 209°.10		1°.3/14.1 17	
11 7	5 53.25	+19 25.5	2.499	3.286	12.0	21.8
11 17	5 48.39	+19 16.0	2.407	3.283	9.4	21.6
11 27	5 41.58	+19 7.3	2.339	3.279	6.2	21.4
12 7	5 33.35	+18 59.6	2.299	3.274	2.9	21.2
12 17	5 24.47	+18 53.2	2.289	3.270	1.7	21.1
12 27	5 15.83	+18 48.7	2.310	3.265	4.9	21.3
1 6	5 8.27	+18 47.1	2.359	3.260	8.2	21.5
1 16	5 2.44	+18 49.0	2.435	3.254	11.1	21.7
81908 2000 NW_{2}			12 14.2 190°.63		2°.7/14.9 18	
11 7	5 58.38	+32 48.0	2.401	3.174	12.9	19.7
11 17	5 52.57	+32 45.7	2.310	3.173	10.2	19.5
11 27	5 44.41	+32 35.3	2.242	3.171	7.1	19.3
12 7	5 34.57	+32 14.6	2.202	3.169	4.0	19.1
12 17	5 24.02	+31 43.0	2.191	3.167	2.8	19.0
12 27	5 13.87	+31 1.7	2.212	3.164	5.3	19.2
1 6	5 5.15	+30 14.1	2.261	3.161	8.5	19.4
1 16	4 58.59	+29 24.3	2.337	3.157	11.5	19.5
481970 2009 EV_{29}			12 14.2 264°.36		7°.2/13.1 18	
11 7	5 53.11	+ 5 44.0	1.941	2.722	15.2	21.1
11 17	5 48.75	+ 4 47.4	1.855	2.713	12.6	20.9
11 27	5 42.05	+ 4 0.1	1.791	2.703	9.8	20.7
12 7	5 33.63	+ 3 26.8	1.752	2.694	7.6	20.5
12 17	5 24.36	+ 3 10.9	1.740	2.684	7.4	20.5
12 27	5 15.35	+ 3 14.4	1.756	2.674	9.3	20.6
1 6	5 7.62	+ 3 36.6	1.797	2.665	12.1	20.7
1 16	5 1.96	+ 4 15.2	1.860	2.655	15.0	20.9
285447 1999 VE_{222}			12 14.2 117°.10		2°.7/13.7 18	
11 7	5 53.63	+16 38.2	2.334	3.122	12.8	20.5
11 17	5 48.62	+15 59.0	2.258	3.132	9.9	20.3
11 27	5 41.65	+15 21.5	2.205	3.142	6.8	20.1
12 7	5 33.34	+14 47.1	2.181	3.151	3.7	19.9
12 17	5 24.50	+14 17.7	2.186	3.160	3.0	19.9
12 27	5 16.05	+13 54.9	2.221	3.169	5.7	20.1
1 6	5 8.81	+13 39.9	2.285	3.178	8.8	20.3
1 16	5 3.38	+13 33.0	2.375	3.186	11.6	20.5
132378 2002 GW_{79}			12 14.2 185°.97		0°.7/14.3 18	
11 7	5 57.93	+25 13.8	2.042	2.832	14.3	20.7
11 17	5 52.52	+25 18.1	1.955	2.832	11.1	20.5
11 27	5 44.55	+25 19.6	1.892	2.832	7.4	20.3
12 7	5 34.69	+25 17.0	1.855	2.831	3.3	20.0
12 17	5 23.97	+25 9.3	1.847	2.830	1.4	19.9
12 27	5 13.61	+24 57.3	1.870	2.828	5.5	20.2
1 6	5 4.75	+24 42.9	1.921	2.826	9.5	20.4
1 16	4 58.21	+24 28.8	1.997	2.823	12.9	20.6
329680 2003 UB_{153}			12 14.2 29°.69		3°.9/14.3 18	
11 7	5 59.34	+27 54.8	1.201	2.025	20.4	20.0
11 17	5 55.41	+28 59.1	1.137	2.030	16.0	19.8
11 27	5 47.37	+30 1.5	1.092	2.036	11.0	19.5
12 7	5 36.15	+30 55.2	1.070	2.043	5.9	19.3
12 17	5 23.41	+31 33.7	1.073	2.051	4.3	19.2
12 27	5 11.33	+31 54.7	1.102	2.059	8.5	19.5
1 6	5 1.86	+32 0.8	1.154	2.068	13.5	19.8
1 16	4 56.23	+31 57.5	1.227	2.077	17.9	20.1
161721 2006 RF_{11}			12 14.2 124°.06		5°.7/13.5 18	
11 7	5 54.78	+ 7 34.1	2.186	2.961	14.0	20.9
11 17	5 49.54	+ 6 48.2	2.117	2.974	11.3	20.7
11 27	5 42.27	+ 6 10.7	2.072	2.987	8.5	20.5
12 7	5 33.62	+ 5 44.5	2.052	3.000	6.2	20.4
12 17	5 24.42	+ 5 31.9	2.062	3.012	5.8	20.4
12 27	5 15.62	+ 5 33.8	2.100	3.024	7.6	20.6
1 6	5 8.09	+ 5 49.7	2.166	3.036	10.2	20.7
1 16	5 2.45	+ 6 17.6	2.256	3.047	12.8	20.9
316331 2010 RB_{119}			12 14.2 44°.78		3°.2/14.6 18	
11 7	5 56.93	+30 56.5	1.903	2.695	15.1	20.6
11 17	5 52.10	+31 26.3	1.824	2.698	11.9	20.4
11 27	5 44.43	+31 50.2	1.767	2.702	8.3	20.2
12 7	5 34.69	+32 4.6	1.736	2.705	4.7	20.0
12 17	5 23.99	+32 7.2	1.733	2.708	3.4	19.9
12 27	5 13.72	+31 57.9	1.759	2.712	6.3	20.1
1 6	5 5.14	+31 39.5	1.812	2.716	10.0	20.3
1 16	4 59.14	+31 15.9	1.889	2.719	13.3	20.5

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
158678 2003 FV_{27}			12 14.2 153°.66		1°.9/13.9 18	
	h m	° ′			°	m
11 7	5 58.10	+18 51.7	2.106	2.893	14.0	22.2
11 17	5 52.32	+18 30.0	2.027	2.902	10.9	22.0
11 27	5 44.22	+18 9.0	1.972	2.910	7.3	21.8
12 7	5 34.49	+17 49.5	1.943	2.918	3.5	21.6
12 17	5 24.09	+17 32.2	1.945	2.925	2.3	21.5
12 27	5 14.11	+17 18.5	1.977	2.931	5.7	21.8
1 6	5 5.55	+17 9.7	2.038	2.936	9.4	22.0
1 16	4 59.15	+17 6.6	2.124	2.941	12.6	22.2
492669 2014 PN_{20}			12 14.2 28°.92		1°.0/14.4 17	
11 7	5 54.45	+25 40.0	1.837	2.641	15.1	21.6
11 17	5 50.06	+25 48.9	1.762	2.646	11.8	21.4
11 27	5 43.01	+25 55.0	1.709	2.652	7.8	21.1
12 7	5 34.05	+25 56.6	1.681	2.658	3.5	20.9
12 17	5 24.25	+25 52.9	1.682	2.664	1.6	20.8
12 27	5 14.90	+25 44.3	1.711	2.671	5.7	21.1
1 6	5 7.17	+25 33.0	1.768	2.678	9.8	21.3
1 16	5 1.87	+25 21.5	1.849	2.686	13.3	21.6
264473 2001 FU_{202}			12 14.2 59°.23		0°.8/14.1 17	
11 7	5 53.26	+21 11.8	2.156	2.952	13.4	21.7
11 17	5 48.66	+21 3.4	2.076	2.957	10.4	21.5
11 27	5 41.86	+20 54.9	2.020	2.962	6.9	21.3
12 7	5 33.50	+20 46.2	1.990	2.967	3.0	21.1
12 17	5 24.47	+20 37.5	1.990	2.972	1.4	21.0
12 27	5 15.79	+20 29.7	2.019	2.977	5.2	21.2
1 6	5 8.43	+20 24.0	2.077	2.982	8.8	21.5
1 16	5 3.07	+20 21.5	2.159	2.987	12.0	21.7
148309 2000 NA_{4}			12 14.2 43°.21		1°.0/14.1 18	
11 7	5 56.59	+22 2.2	1.508	2.321	17.4	19.9
11 17	5 51.72	+21 42.4	1.460	2.350	13.4	19.8
11 27	5 43.98	+21 21.7	1.433	2.378	8.7	19.6
12 7	5 34.37	+21 0.5	1.430	2.408	3.8	19.3
12 17	5 24.19	+20 39.6	1.455	2.438	1.8	19.3
12 27	5 14.86	+20 20.9	1.508	2.468	6.4	19.6
1 6	5 7.53	+20 6.4	1.587	2.498	10.7	20.0
1 16	5 2.91	+19 57.7	1.690	2.529	14.3	20.3
251762 1999 FS_{12}			12 14.3 274°.92		1°.0/14.1 17	
11 7	5 54.44	+21 0.7	2.027	2.825	14.1	21.3
11 17	5 49.93	+20 52.2	1.929	2.811	11.0	21.1
11 27	5 42.94	+20 43.7	1.854	2.796	7.3	20.8
12 7	5 34.07	+20 34.9	1.805	2.781	3.3	20.5
12 17	5 24.24	+20 26.0	1.784	2.767	1.6	20.4
12 27	5 14.61	+20 18.0	1.794	2.752	5.7	20.6
1 6	5 6.29	+20 12.2	1.831	2.737	9.8	20.8
1 16	5 0.17	+20 10.0	1.893	2.721	13.4	21.0
217407 2005 JX_{88}			12 14.3 265°.03		3°.4/15.0 18	
11 7	5 59.02	+33 41.4	1.933	2.717	15.2	20.3
11 17	5 53.82	+33 39.1	1.836	2.705	12.2	20.1
11 27	5 45.65	+33 26.5	1.762	2.692	8.6	19.9
12 7	5 35.25	+33 0.4	1.712	2.680	5.0	19.6
12 17	5 23.80	+32 19.4	1.691	2.667	3.5	19.5
12 27	5 12.75	+31 25.3	1.700	2.654	6.4	19.7
1 6	5 3.45	+30 22.8	1.736	2.641	10.3	19.9
1 16	4 56.84	+29 18.0	1.797	2.627	13.9	20.1
125042 2001 TU_{204}			12 14.3 26°.90		0°.3/14.2 18	
11 7	5 58.06	+17 42.7	1.080	1.913	21.5	18.5
11 17	5 54.31	+19 8.6	1.027	1.927	16.7	18.3
11 27	5 46.55	+20 46.3	0.993	1.943	11.0	18.0
12 7	5 35.77	+22 29.9	0.981	1.959	4.7	17.7
12 17	5 23.62	+24 10.9	0.995	1.978	1.8	17.6
12 27	5 12.23	+25 42.2	1.034	1.997	8.0	18.0
1 6	5 3.44	+27 0.5	1.098	2.017	13.4	18.4
1 16	4 58.40	+28 6.3	1.183	2.039	18.0	18.7
197160 2003 UJ_{273}			12 14.3 249°.58		1°.1/14.3 18	
11 7	5 54.35	+25 12.4	2.381	3.169	12.5	19.9
11 17	5 49.52	+25 40.9	2.290	3.166	9.8	19.7
11 27	5 42.48	+26 8.6	2.224	3.163	6.5	19.5
12 7	5 33.82	+26 33.4	2.185	3.160	3.0	19.3
12 17	5 24.36	+26 53.6	2.176	3.157	1.5	19.2
12 27	5 15.11	+27 8.6	2.197	3.154	4.9	19.4
1 6	5 7.04	+27 19.0	2.247	3.151	8.3	19.6
1 16	5 0.91	+27 26.3	2.323	3.148	11.4	19.8
197680 2004 NA_{24}			12 14.3 84°.53		1°.1/14.5 18	
11 7	6 0.60	+27 30.6	1.626	2.425	17.0	20.3
11 17	5 54.89	+27 15.1	1.563	2.444	13.2	20.1
11 27	5 46.14	+26 53.1	1.521	2.463	8.7	19.9
12 7	5 35.35	+26 23.6	1.505	2.481	3.9	19.6
12 17	5 23.84	+25 46.7	1.517	2.499	1.7	19.5
12 27	5 13.14	+25 5.5	1.558	2.517	6.2	19.8
1 6	5 4.50	+24 23.9	1.626	2.535	10.6	20.1
1 16	4 58.72	+23 46.2	1.717	2.552	14.3	20.4

274854 2009 QL_{63} 12 14.3 94°.27 5°.3/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 5.26	+35 13.6	1.533	2.320	18.4	21.0
11 17	5 59.09	+35 48.3	1.472	2.340	14.7	20.8
11 27	5 49.23	+36 11.5	1.432	2.358	10.6	20.6
12 7	5 36.76	+36 17.2	1.416	2.377	6.7	20.4
12 17	5 23.31	+36 2.1	1.427	2.395	5.4	20.4
12 27	5 10.80	+35 27.8	1.465	2.413	8.0	20.6
1 6	5 0.83	+34 40.4	1.530	2.431	11.7	20.9
1 16	4 54.32	+33 47.4	1.618	2.448	15.3	21.1

156780 2003 AV_{78} 12 14.3 44°.53 1°.3/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.29	+21 28.4	1.242	2.067	19.7	20.0
11 17	5 53.01	+21 10.3	1.187	2.084	15.2	19.8
11 27	5 45.25	+20 52.0	1.152	2.101	10.0	19.6
12 7	5 35.06	+20 33.7	1.140	2.118	4.4	19.3
12 17	5 23.98	+20 16.3	1.154	2.136	2.2	19.2
12 27	5 13.78	+20 1.7	1.194	2.155	7.5	19.6
1 6	5 5.93	+19 52.0	1.258	2.174	12.4	19.9
1 16	5 1.30	+19 49.0	1.344	2.193	16.6	20.2

317223 2002 CS_{115} 12 14.3 223°.41 14°.3/11.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.19	−12 3.3	1.858	2.565	18.3	21.0
11 17	5 52.07	−13 43.3	1.785	2.555	16.7	20.9
11 27	5 44.35	−15 1.9	1.730	2.544	15.2	20.8
12 7	5 34.69	−15 50.3	1.695	2.533	14.4	20.7
12 17	5 24.06	−16 2.2	1.683	2.521	14.4	20.7
12 27	5 13.68	−15 35.2	1.694	2.508	15.4	20.7
1 6	5 4.71	−14 32.2	1.725	2.495	17.0	20.8
1 16	4 58.04	−12 59.4	1.776	2.481	18.8	20.9

115575 2003 UK_{86} 12 14.3 323°.91 7°.5/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.92	+36 30.3	1.571	2.365	17.7	18.8
11 17	5 54.99	+37 59.6	1.485	2.353	14.6	18.5
11 27	5 47.21	+39 22.6	1.420	2.341	11.2	18.3
12 7	5 36.23	+40 30.7	1.379	2.329	8.3	18.1
12 17	5 23.41	+41 15.8	1.363	2.318	7.6	18.0
12 27	5 10.74	+41 34.2	1.374	2.308	9.9	18.1
1 6	5 0.20	+41 28.4	1.409	2.299	13.4	18.3
1 16	4 53.22	+41 5.0	1.465	2.289	16.9	18.5

278454 2007 TN_{84} 12 14.3 79°.81 4°.7/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 8.65	+32 40.1	1.332	2.129	20.2	20.8
11 17	6 1.83	+33 21.4	1.285	2.160	15.9	20.6
11 27	5 51.02	+33 52.2	1.258	2.191	11.1	20.4
12 7	5 37.48	+34 6.1	1.255	2.222	6.5	20.2
12 17	5 23.10	+33 59.7	1.278	2.252	4.9	20.2
12 27	5 9.99	+33 34.9	1.329	2.281	8.1	20.5
1 6	4 59.79	+32 57.9	1.405	2.309	12.3	20.8
1 16	4 53.37	+32 16.5	1.504	2.337	16.0	21.1

77980 2002 JV_{22} 12 14.3 127°.63 0°.6/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.20	+23 43.6	1.685	2.480	16.6	19.8
11 17	5 56.18	+24 1.9	1.614	2.494	12.9	19.6
11 27	5 47.11	+24 19.4	1.566	2.508	8.5	19.4
12 7	5 35.85	+24 33.6	1.544	2.521	3.7	19.1
12 17	5 23.66	+24 42.8	1.550	2.533	1.5	19.0
12 27	5 12.06	+24 46.8	1.586	2.545	6.3	19.3
1 6	5 2.41	+24 47.4	1.649	2.556	10.7	19.6
1 16	4 55.58	+24 47.3	1.737	2.566	14.4	19.9

276383 2002 VO_{145} 12 14.3 75°.83 3°.9/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.89	+16 4.6	1.431	2.240	18.4	21.2
11 17	5 53.66	+15 23.0	1.375	2.260	14.3	21.0
11 27	5 45.39	+14 45.7	1.339	2.280	9.8	20.8
12 7	5 35.06	+14 15.1	1.328	2.300	5.4	20.6
12 17	5 23.99	+13 53.3	1.344	2.319	4.3	20.5
12 27	5 13.72	+13 42.4	1.387	2.339	7.9	20.8
1 6	5 5.51	+13 42.8	1.456	2.358	12.1	21.1
1 16	5 0.16	+13 54.1	1.547	2.377	15.8	21.4

154734 2004 NH_{14} 12 14.3 129°.26 1°.9/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.25	+18 48.4	1.803	2.600	15.6	20.6
11 17	5 52.83	+18 33.2	1.729	2.610	12.2	20.4
11 27	5 44.76	+18 19.7	1.679	2.620	8.1	20.2
12 7	5 34.81	+18 8.2	1.654	2.629	3.8	19.9
12 17	5 24.07	+17 59.4	1.658	2.638	2.4	19.9
12 27	5 13.84	+17 54.3	1.691	2.646	6.3	20.1
1 6	5 5.26	+17 53.9	1.752	2.655	10.4	20.4
1 16	4 59.14	+17 59.0	1.837	2.662	13.9	20.6

431686 2008 DP_{34} 12 14.3 202°.89 9°.9/16.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 14.69	+51 31.4	2.208	2.906	16.0	22.3
11 17	6 6.80	+52 35.4	2.119	2.901	14.0	22.1
11 27	5 54.70	+53 22.2	2.051	2.895	12.0	22.0
12 7	5 39.30	+53 42.5	2.006	2.887	10.5	21.9
12 17	5 22.34	+53 29.8	1.986	2.879	9.9	21.8
12 27	5 6.05	+52 42.9	1.994	2.870	10.7	21.9
1 6	4 52.44	+51 27.8	2.027	2.860	12.5	22.0
1 16	4 42.75	+49 54.0	2.084	2.849	14.6	22.1

289757 2005 JB_{73} 12 14.3 354°.13 1°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.46	+19 59.5	1.679	2.489	16.1	20.8
11 17	5 50.29	+19 51.9	1.599	2.487	12.5	20.5
11 27	5 43.31	+19 45.5	1.541	2.486	8.3	20.3
12 7	5 34.28	+19 40.5	1.508	2.485	3.8	20.0
12 17	5 24.27	+19 37.1	1.502	2.484	2.0	19.9
12 27	5 14.67	+19 36.0	1.525	2.484	6.4	20.2
1 6	5 6.70	+19 38.3	1.574	2.484	10.8	20.4
1 16	5 1.28	+19 45.0	1.646	2.484	14.6	20.7

436908 2012 TA_{80} 12 14.3 120°.77 1°.0/14.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.59	+20 58.2	1.829	2.623	15.6	22.7
11 17	5 53.81	+20 51.2	1.759	2.638	12.0	22.5
11 27	5 45.36	+20 44.3	1.712	2.653	7.9	22.2
12 7	5 35.06	+20 37.2	1.691	2.667	3.5	22.0
12 17	5 24.02	+20 29.9	1.699	2.681	1.7	21.9
12 27	5 13.53	+20 23.2	1.736	2.694	5.9	22.2
1 6	5 4.76	+20 18.6	1.802	2.706	10.0	22.5
1 16	4 58.47	+20 17.6	1.892	2.718	13.5	22.7

66042 1998 QA_{78} 12 14.3 79°.61 4°.0/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.84	+12 55.1	2.224	3.010	13.4	19.7
11 17	5 48.75	+12 8.0	2.161	3.031	10.5	19.6
11 27	5 41.72	+11 25.4	2.123	3.053	7.4	19.4
12 7	5 33.41	+10 49.8	2.111	3.074	4.7	19.3
12 17	5 24.65	+10 23.1	2.129	3.095	4.2	19.3
12 27	5 16.37	+10 7.0	2.177	3.116	6.4	19.4
1 6	5 9.36	+10 1.6	2.252	3.137	9.3	19.7
1 16	5 4.19	+10 6.5	2.352	3.157	11.9	19.9

491532 2012 KE_{44} 12 14.3 181°.33 1°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.56	+19 13.8	2.804	3.586	11.0	22.6
11 17	5 47.65	+19 10.5	2.714	3.587	8.5	22.4
11 27	5 41.01	+19 8.3	2.649	3.587	5.7	22.2
12 7	5 33.15	+19 7.2	2.612	3.587	2.6	22.0
12 17	5 24.73	+19 7.2	2.606	3.587	1.5	22.0
12 27	5 16.53	+19 8.8	2.631	3.586	4.4	22.2
1 6	5 9.28	+19 12.3	2.686	3.585	7.4	22.4
1 16	5 3.58	+19 18.5	2.767	3.584	10.0	22.5

198674 2005 CU_{1} 12 14.3 209°.08 2°.8/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.29	+32 33.2	2.486	3.263	12.4	20.4
11 17	5 50.20	+32 41.8	2.396	3.261	9.8	20.2
11 27	5 42.89	+32 43.4	2.330	3.260	6.9	20.0
12 7	5 34.01	+32 35.9	2.291	3.258	4.0	19.8
12 17	5 24.41	+32 18.3	2.281	3.256	2.9	19.8
12 27	5 15.15	+31 51.3	2.302	3.254	5.2	19.9
1 6	5 7.18	+31 17.4	2.351	3.251	8.2	20.1
1 16	5 1.22	+30 40.2	2.426	3.249	11.0	20.3

27526 2000 HP_{51} 12 14.3 45°.25 0°.6/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.95	+23 48.8	1.741	2.546	15.8	18.0
11 17	5 51.36	+24 8.2	1.668	2.553	12.3	17.8
11 27	5 43.97	+24 27.1	1.617	2.561	8.1	17.6
12 7	5 34.54	+24 43.4	1.591	2.568	3.5	17.3
12 17	5 24.21	+24 55.6	1.594	2.576	1.4	17.2
12 27	5 14.34	+25 3.3	1.625	2.585	6.0	17.5
1 6	5 6.16	+25 7.9	1.683	2.593	10.2	17.8
1 16	5 0.55	+25 11.5	1.765	2.602	13.8	18.0

467022 2016 CE_{151} 12 14.3 269°.23 2°.6/14.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.27	+31 56.5	2.518	3.295	12.3	21.7
11 17	5 50.30	+32 4.6	2.412	3.278	9.7	21.5
11 27	5 43.06	+32 6.3	2.329	3.260	6.8	21.3
12 7	5 34.13	+31 59.3	2.273	3.241	3.9	21.1
12 17	5 24.35	+31 42.4	2.247	3.223	2.7	21.0
12 27	5 14.77	+31 16.1	2.252	3.204	5.2	21.1
1 6	5 6.38	+30 42.7	2.285	3.186	8.4	21.3
1 16	4 59.98	+30 5.6	2.344	3.167	11.4	21.5

59832 1999 RW_{36} 12 14.3 112°.25 0°.8/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.76	+21 2.9	1.641	2.439	16.9	20.5
11 17	5 55.74	+21 4.7	1.576	2.458	13.1	20.3
11 27	5 46.76	+21 7.2	1.533	2.476	8.6	20.1
12 7	5 35.70	+21 9.5	1.516	2.493	3.8	19.8
12 17	5 23.82	+21 10.7	1.527	2.510	1.6	19.7
12 27	5 12.62	+21 11.5	1.568	2.526	6.4	20.1
1 6	5 3.38	+21 13.2	1.636	2.542	10.7	20.4
1 16	4 56.92	+21 17.4	1.727	2.557	14.5	20.6

410855 2009 RZ_{39} 12 14.3 124°.70 3°.4/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.50	+33 57.6	2.384	3.157	13.0	21.4
11 17	5 51.95	+34 15.2	2.305	3.166	10.3	21.3
11 27	5 44.05	+34 25.1	2.249	3.175	7.3	21.1
12 7	5 34.50	+34 24.5	2.220	3.183	4.5	20.9
12 17	5 24.26	+34 11.8	2.220	3.191	3.5	20.9
12 27	5 14.45	+33 47.8	2.251	3.199	5.6	21.0
1 6	5 6.09	+33 15.3	2.310	3.207	8.5	21.2
1 16	4 59.90	+32 38.2	2.395	3.214	11.3	21.4

464425 2016 BH_{30} 12 14.3 251°.05 0°.2/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 52.83	+22 26.2	2.487	3.276	12.0	21.4
11 17	5 48.21	+22 31.6	2.393	3.271	9.3	21.2
11 27	5 41.56	+22 36.7	2.324	3.265	6.2	21.0
12 7	5 33.45	+22 40.8	2.282	3.259	2.7	20.7
12 17	5 24.63	+22 43.4	2.270	3.253	1.0	20.6
12 27	5 16.03	+22 44.8	2.289	3.247	4.7	20.9
1 6	5 8.52	+22 45.8	2.337	3.241	8.0	21.1
1 16	5 2.77	+22 47.6	2.410	3.235	11.0	21.2

287832 2003 SD_{203} 12 14.3 89°.97 2°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.90	+17 26.0	1.740	2.543	15.9	21.0
11 17	5 51.14	+17 1.5	1.666	2.549	12.4	20.8
11 27	5 43.72	+16 39.6	1.614	2.555	8.4	20.6
12 7	5 34.41	+16 21.5	1.588	2.562	4.3	20.3
12 17	5 24.29	+16 8.3	1.590	2.568	3.1	20.3
12 27	5 14.65	+16 1.5	1.620	2.574	6.7	20.5
1 6	5 6.64	+16 1.8	1.678	2.581	10.7	20.8
1 16	5 1.06	+16 9.6	1.758	2.587	14.3	21.0

85021 2067 P–L 12 14.3 165°.68 1°.3/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.22	+27 40.1	2.541	3.318	12.1	20.5
11 17	5 51.49	+27 47.3	2.454	3.324	9.5	20.3
11 27	5 43.65	+27 50.7	2.392	3.328	6.3	20.1
12 7	5 34.32	+27 48.5	2.358	3.332	3.0	19.9
12 17	5 24.33	+27 40.2	2.355	3.336	1.6	19.8
12 27	5 14.67	+27 26.1	2.383	3.339	4.7	20.0
1 6	5 6.26	+27 8.2	2.440	3.341	7.9	20.2
1 16	4 59.76	+26 48.9	2.524	3.343	10.8	20.4

308793 2006 QO_{47} 12 14.3 33°.52 0°.6/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.56	+23 38.0	1.408	2.228	18.1	20.1
11 17	5 51.49	+23 54.6	1.350	2.244	14.0	19.9
11 27	5 44.21	+24 10.4	1.313	2.261	9.2	19.7
12 7	5 34.67	+24 23.4	1.300	2.278	4.0	19.4
12 17	5 24.23	+24 32.1	1.314	2.297	1.5	19.3
12 27	5 14.52	+24 36.5	1.354	2.316	6.6	19.7
1 6	5 6.89	+24 38.5	1.420	2.336	11.3	20.0
1 16	5 2.22	+24 40.3	1.509	2.356	15.2	20.3

175093 2004 HP_{55} 12 14.3 213°.05 3°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.72	+13 33.4	2.171	2.958	13.7	20.5
11 17	5 49.83	+13 29.4	2.082	2.954	10.8	20.3
11 27	5 42.72	+13 31.3	2.016	2.950	7.5	20.1
12 7	5 33.99	+13 39.9	1.978	2.946	4.3	19.9
12 17	5 24.47	+13 55.5	1.968	2.942	3.3	19.8
12 27	5 15.18	+14 18.1	1.988	2.937	6.1	20.0
1 6	5 7.10	+14 47.0	2.037	2.932	9.5	20.2
1 16	5 0.97	+15 21.3	2.110	2.927	12.7	20.4

233243 2005 YB_{92} 12 14.3 239°.39 1°.5/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.09	+19 34.4	1.876	2.673	15.1	20.8
11 17	5 52.17	+19 28.5	1.782	2.663	11.8	20.6
11 27	5 44.54	+19 23.9	1.711	2.653	7.9	20.3
12 7	5 34.86	+19 20.8	1.666	2.642	3.7	20.1
12 17	5 24.13	+19 19.0	1.649	2.631	2.0	19.9
12 27	5 13.63	+19 19.1	1.662	2.619	6.2	20.2
1 6	5 4.61	+19 22.3	1.702	2.607	10.5	20.4
1 16	4 57.98	+19 29.5	1.767	2.595	14.3	20.6

120376 2005 PY_{6} 12 14.3 17°.66 4°.8/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.63	+28 20.7	1.210	2.034	20.2	18.9
11 17	5 55.02	+29 47.8	1.146	2.038	16.0	18.6
11 27	5 47.27	+31 14.4	1.100	2.043	11.2	18.4
12 7	5 36.26	+32 32.3	1.078	2.049	6.4	18.1
12 17	5 23.59	+33 33.2	1.081	2.056	5.1	18.1
12 27	5 11.47	+34 13.1	1.109	2.063	9.0	18.3
1 6	5 1.91	+34 33.6	1.160	2.071	13.7	18.6
1 16	4 56.22	+34 40.2	1.233	2.080	17.9	18.9

251237 2006 UR_{285} 12 14.3 101°.62 1°.5/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.12	+20 18.5	2.042	2.836	14.2	21.4
11 17	5 50.87	+19 55.6	1.971	2.850	11.0	21.2
11 27	5 43.32	+19 32.5	1.922	2.864	7.2	21.0
12 7	5 34.19	+19 9.8	1.901	2.877	3.3	20.8
12 17	5 24.46	+18 48.6	1.909	2.890	1.9	20.7
12 27	5 15.21	+18 30.2	1.947	2.903	5.6	21.0
1 6	5 7.42	+18 16.2	2.014	2.916	9.2	21.3
1 16	5 1.78	+18 7.8	2.105	2.929	12.4	21.5

477958 2011 SG_{9} 12 14.3 30°.03 9°.4/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.67	+40 28.4	1.448	2.236	19.2	19.8
11 17	5 57.34	+42 12.1	1.390	2.247	16.0	19.6
11 27	5 48.76	+43 42.8	1.351	2.258	12.7	19.5
12 7	5 36.88	+44 50.3	1.334	2.271	10.1	19.4
12 17	5 23.41	+45 26.7	1.343	2.284	9.4	19.4
12 27	5 10.62	+45 30.1	1.376	2.298	11.1	19.5
1 6	5 0.55	+45 5.9	1.433	2.312	13.9	19.7
1 16	4 54.44	+44 23.4	1.510	2.327	16.8	19.9

146806 2001 YT_{69} 12 14.3 31°.14 1°.0/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.19	+25 25.2	1.881	2.682	14.9	20.2
11 17	5 50.65	+25 38.2	1.802	2.685	11.6	20.0
11 27	5 43.47	+25 48.8	1.746	2.689	7.7	19.8
12 7	5 34.36	+25 55.3	1.716	2.692	3.5	19.6
12 17	5 24.38	+25 56.6	1.714	2.696	1.5	19.4
12 27	5 14.80	+25 52.9	1.741	2.700	5.7	19.7
1 6	5 6.79	+25 45.9	1.795	2.705	9.7	20.0
1 16	5 1.19	+25 38.1	1.874	2.709	13.2	20.2

283856 2003 UW_{331} 12 14.3 28°.18 1°.7/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.72	+27 40.9	1.288	2.113	19.2	20.8
11 17	5 51.98	+27 38.6	1.230	2.125	14.9	20.6
11 27	5 44.70	+27 29.7	1.191	2.138	10.0	20.4
12 7	5 34.93	+27 12.3	1.176	2.153	4.6	20.1
12 17	5 24.20	+26 46.1	1.185	2.168	2.2	20.0
12 27	5 14.32	+26 13.6	1.221	2.184	7.1	20.4
1 6	5 6.78	+25 39.3	1.282	2.201	12.0	20.7
1 16	5 2.48	+25 7.6	1.365	2.218	16.1	21.0

221925 2009 ON_{6} 12 14.3 137°.84 0°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.19	+24 46.2	1.675	2.473	16.6	20.9
11 17	5 55.44	+24 36.7	1.602	2.483	12.9	20.7
11 27	5 46.67	+24 23.7	1.550	2.492	8.6	20.4
12 7	5 35.73	+24 6.0	1.523	2.500	3.7	20.2
12 17	5 23.90	+23 43.5	1.526	2.508	1.4	20.0
12 27	5 12.69	+23 17.9	1.557	2.516	6.3	20.3
1 6	5 3.41	+22 52.5	1.616	2.523	10.8	20.6
1 16	4 56.94	+22 30.3	1.698	2.530	14.6	20.9

484177 2006 UY_{261} 12 14.3 32°.25 4°.0/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.91	+15 43.0	1.803	2.606	15.4	21.2
11 17	5 49.49	+14 46.2	1.727	2.609	12.1	21.0
11 27	5 42.59	+13 51.4	1.674	2.612	8.4	20.8
12 7	5 33.95	+13 1.6	1.647	2.616	5.0	20.6
12 17	5 24.58	+12 19.9	1.648	2.620	4.3	20.6
12 27	5 15.65	+11 49.3	1.678	2.624	7.3	20.8
1 6	5 8.24	+11 31.1	1.733	2.628	11.0	21.0
1 16	5 3.10	+11 25.7	1.813	2.633	14.3	21.2

448787 2011 SK_{162} 12 14.3 81°.88 4°.0/13.6 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.80	+15 10.2	1.824	2.618	15.6	21.8
11 17	5 52.16	+14 15.4	1.767	2.643	12.2	21.7
11 27	5 44.12	+13 24.1	1.733	2.668	8.4	21.5
12 7	5 34.52	+12 39.0	1.725	2.692	5.0	21.4
12 17	5 24.42	+12 2.9	1.746	2.716	4.3	21.4
12 27	5 14.98	+11 38.0	1.796	2.740	7.1	21.6
1 6	5 7.20	+11 25.0	1.873	2.764	10.5	21.8
1 16	5 1.71	+11 23.7	1.974	2.787	13.6	22.1

293604 2007 JX_{43} 12 14.3 109°.38 0°.4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.75	+22 16.6	2.527	3.307	12.1	20.5
11 17	5 51.11	+22 55.9	2.450	3.322	9.4	20.4
11 27	5 43.43	+23 36.2	2.397	3.336	6.2	20.2
12 7	5 34.29	+24 15.4	2.374	3.350	2.7	20.0
12 17	5 24.50	+24 51.7	2.381	3.364	1.1	19.9
12 27	5 14.99	+25 23.9	2.420	3.377	4.5	20.2
1 6	5 6.65	+25 51.9	2.489	3.390	7.8	20.4
1 16	5 0.15	+26 16.7	2.584	3.403	10.6	20.6

462713 2009 WE_{121} 12 14.3 351°.61 0°.3/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.26	+23 58.9	1.813	2.622	15.1	21.5
11 17	5 48.54	+24 0.6	1.729	2.617	11.7	21.3
11 27	5 42.18	+24 0.7	1.668	2.613	7.8	21.1
12 7	5 33.88	+23 58.0	1.632	2.610	3.4	20.8
12 17	5 24.66	+23 52.3	1.624	2.607	1.3	20.6
12 27	5 15.78	+23 44.1	1.644	2.605	5.8	20.9
1 6	5 8.42	+23 35.3	1.691	2.603	10.0	21.2
1 16	5 3.43	+23 27.8	1.762	2.603	13.7	21.4

332211 2006 FS_{18} 12 14.3 233°.09 6°.1/12.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.10	+ 4 40.8	2.610	3.374	12.2	21.3
11 17	5 46.64	+ 3 43.2	2.522	3.366	10.1	21.1
11 27	5 40.44	+ 2 53.2	2.457	3.359	8.0	20.9
12 7	5 33.01	+ 2 14.1	2.419	3.351	6.4	20.8
12 17	5 25.00	+ 1 48.8	2.409	3.343	6.3	20.8
12 27	5 17.19	+ 1 39.0	2.428	3.334	7.7	20.9
1 6	5 10.31	+ 1 44.6	2.474	3.326	9.8	21.0
1 16	5 4.95	+ 2 4.3	2.544	3.317	12.0	21.2

121177 1999 LV_{6} 12 14.3 349°.75 23°.4/ 2.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 43.63	−14 22.1	1.067	1.843	25.4	17.6
11 17	5 43.07	−18 0.6	1.023	1.828	24.2	17.5
11 27	5 39.19	−21 6.0	0.994	1.815	23.6	17.4
12 7	5 32.77	−23 21.1	0.980	1.804	23.5	17.3
12 17	5 25.08	−24 33.4	0.981	1.795	24.1	17.4
12 27	5 17.79	−24 37.7	0.994	1.788	25.1	17.4
1 6	5 12.47	−23 38.8	1.020	1.785	26.5	17.5
1 16	5 10.18	−21 47.0	1.056	1.783	27.9	17.6

327475 2005 YJ_{29} 12 14.3 289°.00 2°.8/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.99	+13 46.4	2.157	2.946	13.7	20.9
11 17	5 49.35	+13 56.9	2.068	2.942	10.8	20.7
11 27	5 42.48	+14 14.2	2.002	2.938	7.4	20.5
12 7	5 33.97	+14 38.4	1.963	2.934	4.1	20.3
12 17	5 24.65	+15 9.3	1.954	2.930	3.0	20.2
12 27	5 15.53	+15 45.9	1.974	2.926	5.9	20.4
1 6	5 7.61	+16 27.1	2.022	2.922	9.4	20.6
1 16	5 1.63	+17 11.8	2.096	2.918	12.5	20.8

269641 4245 P–L 12 14.3 66°.06 1°.9/14.5 18

11 7	6 4.29	+27 18.1	1.312	2.121	19.7	21.1
11 17	5 58.26	+27 30.6	1.266	2.152	15.3	20.9
11 27	5 48.62	+27 37.5	1.240	2.183	10.1	20.7
12 7	5 36.57	+27 35.6	1.238	2.214	4.7	20.5
12 17	5 23.80	+27 23.5	1.263	2.244	2.3	20.4
12 27	5 12.17	+27 3.3	1.315	2.275	7.1	20.8
1 6	5 3.16	+26 39.1	1.392	2.304	11.8	21.1
1 16	4 57.57	+26 15.6	1.493	2.334	15.7	21.5

268000 2004 JN_6 12 14.3 194°.97 0°.9/14.2 18

11 7	5 59.16	+21 15.0	2.086	2.873	14.1	22.3
11 17	5 53.44	+21 4.0	1.995	2.871	11.0	22.1
11 27	5 45.22	+20 52.4	1.928	2.868	7.3	21.8
12 7	5 35.16	+20 39.9	1.887	2.864	3.3	21.6
12 17	5 24.24	+20 26.7	1.877	2.859	1.6	21.5
12 27	5 13.64	+20 13.9	1.897	2.854	5.6	21.7
1 6	5 4.45	+20 3.0	1.946	2.847	9.6	21.9
1 16	4 57.50	+19 55.7	2.020	2.840	13.0	22.2

120896 1998 SX_{19} 12 14.3 134°.31 0°.4/14.3 18

11 7	5 53.89	+22 25.2	2.235	3.029	13.1	20.2
11 17	5 49.20	+22 21.2	2.150	3.030	10.2	20.0
11 27	5 42.33	+22 16.4	2.089	3.031	6.7	19.8
12 7	5 33.88	+22 10.3	2.055	3.032	2.9	19.6
12 17	5 24.73	+22 2.9	2.050	3.033	1.2	19.4
12 27	5 15.89	+21 54.9	2.075	3.033	5.0	19.7
1 6	5 8.30	+21 47.5	2.128	3.034	8.6	19.9
1 16	5 2.69	+21 42.3	2.208	3.035	11.8	20.1

286208 2001 UZ_{90} 12 14.3 91°.99 2°.3/14.0 18

11 7	5 54.87	+17 29.3	1.974	2.771	14.5	21.3
11 17	5 50.08	+17 10.8	1.899	2.779	11.3	21.1
11 27	5 42.93	+16 54.7	1.847	2.787	7.6	20.9
12 7	5 34.14	+16 41.9	1.821	2.795	3.8	20.7
12 17	5 24.64	+16 33.3	1.824	2.802	2.7	20.6
12 27	5 15.56	+16 29.7	1.856	2.810	6.0	20.9
1 6	5 7.90	+16 31.9	1.916	2.817	9.7	21.1
1 16	5 2.38	+16 40.1	2.000	2.825	12.9	21.3

224384 2005 UH_{197} 12 14.3 238°.79 1°.7/13.9 18

11 7	5 54.14	+18 32.3	2.613	3.396	11.7	21.0
11 17	5 49.14	+18 12.0	2.508	3.381	9.2	20.8
11 27	5 42.19	+17 52.3	2.428	3.365	6.2	20.5
12 7	5 33.83	+17 33.6	2.376	3.349	3.0	20.3
12 17	5 24.74	+17 16.9	2.354	3.333	2.0	20.2
12 27	5 15.82	+17 3.2	2.363	3.316	5.0	20.4
1 6	5 7.88	+16 53.6	2.402	3.299	8.2	20.6
1 16	5 1.62	+16 49.0	2.467	3.281	11.2	20.7

321203 2008 YA_{25} 12 14.3 36°.98 3°.6/14.2 18

11 7	5 55.48	+15 36.2	1.261	2.086	19.5	19.3
11 17	5 51.49	+15 19.9	1.211	2.104	15.2	19.1
11 27	5 44.25	+15 10.6	1.179	2.124	10.3	18.9
12 7	5 34.76	+15 9.6	1.171	2.144	5.5	18.6
12 17	5 24.45	+15 17.6	1.188	2.165	4.0	18.6
12 27	5 14.94	+15 34.4	1.231	2.187	7.9	18.9
1 6	5 7.59	+15 59.4	1.298	2.210	12.5	19.2
1 16	5 3.25	+16 31.2	1.387	2.233	16.4	19.5

440197 2004 GX 12 14.3 250°.76 0°.9/14.2 18

11 7	5 58.88	+21 30.2	1.835	2.631	15.5	22.8
11 17	5 53.81	+21 21.2	1.733	2.613	12.2	22.5
11 27	5 45.82	+21 11.6	1.653	2.594	8.2	22.2
12 7	5 35.56	+21 0.9	1.599	2.575	3.6	21.9
12 17	5 24.07	+20 49.0	1.573	2.556	1.7	21.7
12 27	5 12.73	+20 37.0	1.577	2.535	6.4	22.0
1 6	5 2.90	+20 26.7	1.609	2.514	10.9	22.2
1 16	4 55.60	+20 20.2	1.665	2.493	15.0	22.4

167340 2003 UT_{314} 12 14.3 80°.83 0°.8/14.3 18

11 7	5 59.76	+18 36.1	1.738	2.534	16.2	20.1
11 17	5 54.18	+19 13.4	1.672	2.552	12.5	19.9
11 27	5 45.80	+19 55.6	1.629	2.570	8.3	19.7
12 7	5 35.42	+20 40.3	1.612	2.588	3.6	19.4
12 17	5 24.19	+21 25.0	1.624	2.606	1.5	19.3
12 27	5 13.48	+22 7.6	1.665	2.624	6.0	19.7
1 6	5 4.51	+22 47.5	1.735	2.642	10.2	20.0
1 16	4 58.12	+23 25.0	1.829	2.659	13.7	20.2

11200 1999 CV_{121} 12 14.3 175°.33 4°.3/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 1.36	+34 54.3	2.558	3.318	12.5	17.6
11 17	5 55.11	+35 53.2	2.470	3.320	10.1	17.4
11 27	5 46.35	+36 46.2	2.406	3.322	7.4	17.3
12 7	5 35.70	+37 28.9	2.370	3.324	5.0	17.1
12 17	5 24.07	+37 57.8	2.364	3.325	4.4	17.1
12 27	5 12.66	+38 11.4	2.389	3.325	6.1	17.2
1 6	5 2.57	+38 11.4	2.443	3.325	8.8	17.3
1 16	4 54.68	+38 1.3	2.523	3.324	11.3	17.5

108024 2001 FF_{149} 12 14.3 229°.11 1°.8/14.5 18

11 7	5 58.31	+28 6.1	2.258	3.040	13.3	20.9
11 17	5 52.89	+28 22.9	2.158	3.029	10.5	20.6
11 27	5 44.95	+28 36.0	2.081	3.017	7.1	20.4
12 7	5 35.11	+28 43.1	2.032	3.005	3.6	20.2
12 17	5 24.30	+28 42.4	2.012	2.992	2.1	20.0
12 27	5 13.70	+28 34.0	2.023	2.979	5.4	20.2
1 6	5 4.42	+28 19.5	2.063	2.965	9.1	20.4
1 16	4 57.32	+28 2.1	2.128	2.951	12.4	20.6

129039 2004 UC_5 12 14.3 356°.68 3°.4/14.2 17

11 7	5 53.19	+12 56.5	1.980	2.775	14.5	19.7
11 17	5 48.89	+12 57.9	1.897	2.773	11.5	19.5
11 27	5 42.25	+13 6.6	1.837	2.773	8.0	19.3
12 7	5 33.92	+13 23.6	1.803	2.772	4.6	19.1
12 17	5 24.77	+13 48.8	1.798	2.772	3.6	19.0
12 27	5 15.89	+14 21.7	1.821	2.772	6.4	19.2
1 6	5 8.31	+15 1.1	1.872	2.772	10.0	19.4
1 16	5 2.80	+15 45.6	1.947	2.772	13.2	19.6

477312 2009 SW_{306} 12 14.3 44°.85 3°.8/14.1 18

11 7	5 57.72	+15 57.6	1.150	1.977	20.8	21.1
11 17	5 53.43	+15 36.0	1.104	1.999	16.2	20.9
11 27	5 45.60	+15 21.3	1.076	2.022	11.0	20.7
12 7	5 35.37	+15 15.2	1.071	2.045	5.8	20.5
12 17	5 24.30	+15 18.5	1.091	2.069	4.2	20.4
12 27	5 14.20	+15 31.3	1.136	2.093	8.4	20.8
1 6	5 6.53	+15 53.1	1.205	2.118	13.1	21.1
1 16	5 2.11	+16 22.5	1.295	2.143	17.2	21.4

412268 2013 HG_{133} 12 14.3 130°.88 3°.2/13.7 18

11 7	5 54.41	+15 38.6	2.235	3.023	13.3	22.2
11 17	5 49.41	+14 57.1	2.157	3.030	10.4	22.0
11 27	5 42.35	+14 17.7	2.103	3.037	7.2	21.9
12 7	5 33.88	+13 42.5	2.076	3.044	4.1	21.7
12 17	5 24.82	+13 13.4	2.078	3.051	3.4	21.6
12 27	5 16.14	+12 52.1	2.111	3.057	6.0	21.8
1 6	5 8.70	+12 39.6	2.172	3.064	9.2	22.0
1 16	5 3.15	+12 36.3	2.258	3.069	12.1	22.2

156706 2002 LE_{56} 12 14.3 124°.83 5°.6/13.4 18

11 7	5 52.02	+ 3 0.0	2.961	3.710	11.2	20.6
11 17	5 46.98	+ 2 15.8	2.894	3.727	9.3	20.5
11 27	5 40.47	+ 1 40.5	2.851	3.744	7.4	20.4
12 7	5 33.00	+ 1 16.3	2.835	3.760	5.9	20.3
12 17	5 25.15	+ 1 5.2	2.848	3.776	5.7	20.3
12 27	5 17.59	+ 1 7.7	2.891	3.792	6.8	20.4
1 6	5 10.93	+ 1 23.2	2.962	3.807	8.6	20.5
1 16	5 5.64	+ 1 50.1	3.058	3.821	10.4	20.7

278307 2007 HS_{12} 12 14.3 106°.20 0°.7/14.4 18

11 7	6 0.88	+24 57.1	1.777	2.571	15.9	21.5
11 17	5 55.00	+25 2.5	1.711	2.590	12.4	21.3
11 27	5 46.30	+25 5.2	1.667	2.608	8.2	21.1
12 7	5 35.63	+25 3.5	1.649	2.625	3.6	20.8
12 17	5 24.21	+24 56.4	1.659	2.642	1.4	20.7
12 27	5 13.42	+24 45.0	1.700	2.659	5.9	21.0
1 6	5 4.47	+24 31.5	1.768	2.675	10.0	21.3
1 16	4 58.17	+24 18.8	1.861	2.690	13.6	21.6

369582 2011 BY_{102} 12 14.3 283°.30 4°.6/15.0 18

11 7	5 57.12	+36 11.3	2.218	2.992	13.8	20.9
11 17	5 52.19	+36 41.1	2.127	2.986	11.2	20.7
11 27	5 44.58	+37 2.2	2.059	2.979	8.2	20.5
12 7	5 34.98	+37 10.8	2.016	2.972	5.5	20.3
12 17	5 24.41	+37 4.0	2.001	2.966	4.6	20.3
12 27	5 14.16	+36 42.0	2.016	2.959	6.5	20.4
1 6	5 5.44	+36 7.7	2.058	2.953	9.5	20.5
1 16	4 59.11	+35 25.8	2.125	2.946	12.4	20.7

61362 2000 PO_{19} 12 14.3 89°.22 1°.8/14.4 18

11 7	5 59.73	+26 17.2	1.641	2.442	16.8	19.1
11 17	5 54.57	+26 47.2	1.570	2.452	13.1	18.9
11 27	5 46.30	+27 14.9	1.521	2.462	8.8	18.7
12 7	5 35.73	+27 36.8	1.497	2.473	4.2	18.4
12 17	5 24.16	+27 50.5	1.501	2.483	2.2	18.3
12 27	5 13.12	+27 55.4	1.534	2.492	6.4	18.6
1 6	5 4.02	+27 53.7	1.593	2.502	10.8	18.9
1 16	4 57.79	+27 48.6	1.676	2.512	14.5	19.1

403865 2011 VO_{13} 12 14.3 175°.73 2°.6/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.30	+29 29.9	2.469	3.240	12.6	21.9
11 17	5 54.19	+30 14.2	2.379	3.243	10.0	21.7
11 27	5 45.69	+30 55.2	2.315	3.245	6.9	21.5
12 7	5 35.42	+31 29.7	2.278	3.246	3.8	21.3
12 17	5 24.26	+31 54.9	2.272	3.247	2.8	21.2
12 27	5 13.33	+32 9.7	2.297	3.248	5.3	21.4
1 6	5 3.68	+32 15.3	2.352	3.247	8.5	21.6
1 16	4 56.13	+32 14.2	2.434	3.246	11.3	21.8

389945 2012 TR_{161} 12 14.3 49°.01 1°.2/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.99	+21 20.5	1.454	2.269	17.9	21.2
11 17	5 52.58	+21 6.2	1.387	2.278	13.9	21.0
11 27	5 45.01	+20 51.7	1.341	2.287	9.2	20.7
12 7	5 35.17	+20 37.0	1.319	2.296	4.1	20.5
12 17	5 24.39	+20 22.6	1.323	2.305	1.9	20.4
12 27	5 14.24	+20 10.1	1.355	2.315	6.9	20.7
1 6	5 6.10	+20 1.5	1.413	2.325	11.6	21.0
1 16	5 0.85	+19 58.3	1.493	2.336	15.6	21.3

11539 1992 PQ_2 12 14.3 54°.30 0°.5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.70	+26 21.5	1.276	2.096	19.6	17.7
11 17	5 55.06	+25 57.7	1.215	2.108	15.3	17.5
11 27	5 46.78	+25 27.3	1.174	2.121	10.1	17.2
12 7	5 35.94	+24 49.5	1.157	2.134	4.4	17.0
12 17	5 24.14	+24 5.6	1.165	2.148	1.6	16.8
12 27	5 13.25	+23 19.2	1.200	2.162	7.3	17.2
1 6	5 4.82	+22 35.5	1.259	2.176	12.4	17.5
1 16	4 59.74	+21 58.8	1.341	2.190	16.7	17.8

403501 2009 VS_{22} 12 14.3 25°.96 0°.9/14.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.95	+21 1.1	1.740	2.550	15.6	20.9
11 17	5 48.97	+20 56.9	1.672	2.560	12.0	20.7
11 27	5 42.39	+20 53.4	1.626	2.571	7.9	20.5
12 7	5 33.99	+20 50.3	1.605	2.582	3.5	20.2
12 17	5 24.83	+20 47.6	1.612	2.595	1.6	20.1
12 27	5 16.16	+20 46.0	1.647	2.607	5.9	20.4
1 6	5 9.09	+20 46.6	1.709	2.621	10.0	20.7
1 16	5 4.39	+20 50.5	1.795	2.634	13.5	21.0

513710 2012 MF_9 12 14.3 77°.59 1°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.74	+17 48.7	1.433	2.240	18.5	21.2
11 17	5 55.35	+18 0.7	1.375	2.260	14.3	21.0
11 27	5 46.75	+18 17.9	1.337	2.280	9.5	20.7
12 7	5 35.89	+18 39.1	1.324	2.300	4.4	20.5
12 17	5 24.16	+19 3.1	1.339	2.320	2.3	20.4
12 27	5 13.16	+19 28.8	1.382	2.340	7.0	20.8
1 6	5 4.27	+19 56.1	1.450	2.360	11.6	21.1
1 16	4 58.37	+20 25.0	1.542	2.379	15.5	21.4

493293 2014 UT_{174} 12 14.3 359°.54 1°.7/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.93	+17 10.6	2.108	2.905	13.7	21.4
11 17	5 48.61	+17 20.7	2.024	2.904	10.7	21.2
11 27	5 42.05	+17 34.9	1.963	2.904	7.2	21.0
12 7	5 33.86	+17 53.1	1.929	2.903	3.5	20.8
12 17	5 24.87	+18 14.7	1.923	2.903	2.1	20.7
12 27	5 16.15	+18 39.2	1.947	2.904	5.5	20.9
1 6	5 8.67	+19 6.3	1.999	2.904	9.1	21.1
1 16	5 3.18	+19 35.6	2.076	2.905	12.4	21.3

265483 2005 EC_5 12 14.3 262°.02 5°.9/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.85	+ 4 36.1	2.550	3.316	12.4	20.5
11 17	5 46.56	+ 3 58.4	2.459	3.306	10.3	20.3
11 27	5 40.49	+ 3 29.5	2.390	3.295	8.0	20.1
12 7	5 33.13	+ 3 12.3	2.348	3.284	6.3	20.0
12 17	5 25.14	+ 3 8.9	2.334	3.274	6.0	20.0
12 27	5 17.33	+ 3 20.3	2.348	3.263	7.5	20.1
1 6	5 10.43	+ 3 46.0	2.390	3.252	9.7	20.2
1 16	5 5.09	+ 4 24.0	2.456	3.241	12.1	20.3

514024 2014 KU_{22} 12 14.3 184°.92 3°.7/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.81	+11 29.5	2.172	2.950	13.9	21.8
11 17	5 51.46	+11 29.6	2.085	2.951	11.1	21.6
11 27	5 43.86	+11 37.3	2.021	2.950	7.8	21.4
12 7	5 34.63	+11 53.5	1.985	2.949	4.7	21.2
12 17	5 24.60	+12 18.4	1.978	2.948	3.8	21.2
12 27	5 14.82	+12 51.5	2.001	2.947	6.4	21.3
1 6	5 6.27	+13 31.6	2.052	2.944	9.7	21.5
1 16	4 59.71	+14 17.2	2.130	2.942	12.7	21.7

144821 2004 JB_6 12 14.3 230°.20 5°.6/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.43	+ 5 28.6	1.949	2.711	15.8	20.1
11 17	5 55.46	+ 5 46.7	1.850	2.700	13.0	19.9
11 27	5 46.79	+ 6 19.9	1.773	2.688	9.7	19.6
12 7	5 36.01	+ 7 10.1	1.723	2.676	6.6	19.4
12 17	5 24.07	+ 8 16.9	1.701	2.663	5.7	19.3
12 27	5 12.21	+ 9 38.0	1.711	2.649	7.9	19.4
1 6	5 1.67	+11 9.5	1.749	2.634	11.4	19.6
1 16	4 53.41	+12 46.9	1.814	2.619	14.9	19.8

328782 2009 UV_{140} 12 14.3 143°.02 1°.4/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.61	+26 23.8	2.592	3.373	11.9	21.4
11 17	5 50.33	+26 52.2	2.508	3.379	9.2	21.3
11 27	5 43.01	+27 18.7	2.449	3.385	6.2	21.1
12 7	5 34.23	+27 41.3	2.417	3.391	3.0	20.9
12 17	5 24.76	+27 58.5	2.416	3.397	1.6	20.8
12 27	5 15.55	+28 9.8	2.446	3.402	4.6	21.0
1 6	5 7.48	+28 16.1	2.506	3.408	7.7	21.2
1 16	5 1.23	+28 18.9	2.592	3.412	10.5	21.4

124102 2001 HG_{43} 12 14.3 191°.33 0°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.83	+24 5.2	2.773	3.554	11.1	21.1
11 17	5 48.79	+24 2.5	2.680	3.553	8.6	20.9
11 27	5 41.91	+23 58.0	2.612	3.551	5.7	20.7
12 7	5 33.73	+23 51.1	2.573	3.549	2.5	20.5
12 17	5 24.96	+23 41.6	2.564	3.547	0.9	20.3
12 27	5 16.42	+23 30.1	2.586	3.544	4.2	20.6
1 6	5 8.90	+23 18.0	2.638	3.541	7.3	20.8
1 16	5 3.01	+23 6.7	2.717	3.537	10.0	21.0

447486 2006 RM_{45} 12 14.3 108°.95 3°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.69	+14 11.8	1.946	2.740	14.7	21.8
11 17	5 49.99	+13 44.0	1.869	2.745	11.6	21.6
11 27	5 42.95	+13 20.9	1.814	2.749	8.1	21.4
12 7	5 34.23	+13 4.1	1.786	2.754	4.7	21.2
12 17	5 24.78	+12 55.3	1.786	2.758	3.9	21.1
12 27	5 15.71	+12 55.5	1.815	2.763	6.7	21.3
1 6	5 8.03	+13 4.8	1.871	2.767	10.2	21.5
1 16	5 2.49	+13 22.6	1.951	2.771	13.4	21.7

511083 2013 TD_{92} 12 14.3 62°.32 0°.3/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.94	+25 59.5	1.204	2.021	20.7	20.8
11 17	5 58.12	+25 31.5	1.159	2.050	16.0	20.5
11 27	5 48.58	+24 57.6	1.133	2.079	10.5	20.3
12 7	5 36.61	+24 17.1	1.131	2.108	4.5	20.1
12 17	5 24.00	+23 31.9	1.155	2.138	1.6	20.0
12 27	5 12.66	+22 45.9	1.206	2.167	7.3	20.4
1 6	5 4.05	+22 4.3	1.281	2.196	12.4	20.8
1 16	4 58.93	+21 30.8	1.379	2.225	16.5	21.1

172075 2002 AC_{95} 12 14.3 9°.88 1°.5/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.65	+17 10.7	2.559	3.347	11.8	20.1
11 17	5 47.22	+17 19.5	2.472	3.347	9.2	19.9
11 27	5 40.94	+17 31.5	2.409	3.348	6.1	19.7
12 7	5 33.34	+17 46.8	2.374	3.348	3.0	19.5
12 17	5 25.10	+18 4.8	2.369	3.349	1.8	19.4
12 27	5 17.09	+18 25.4	2.395	3.350	4.7	19.6
1 6	5 10.07	+18 48.2	2.449	3.351	7.8	19.8
1 16	5 4.69	+19 13.3	2.530	3.352	10.6	20.0

261496 2005 WB_{16} 12 14.3 324°.76 1°.4/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.46	+24 23.2	1.771	2.578	15.5	20.4
11 17	5 50.61	+25 3.2	1.678	2.563	12.2	20.2
11 27	5 43.86	+25 44.5	1.606	2.550	8.2	19.9
12 7	5 34.82	+26 24.2	1.560	2.536	3.8	19.6
12 17	5 24.52	+26 59.3	1.541	2.523	1.9	19.5
12 27	5 14.35	+27 27.7	1.551	2.511	6.3	19.7
1 6	5 5.70	+27 49.8	1.588	2.499	10.7	20.0
1 16	4 59.60	+28 7.0	1.648	2.488	14.5	20.2

308279 2005 GL_{202} 12 14.3 226°.56 5°.2/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.58	+10 33.1	2.135	2.918	14.0	21.3
11 17	5 49.77	+ 9 38.3	2.046	2.911	11.3	21.1
11 27	5 42.77	+ 8 48.5	1.979	2.903	8.3	20.9
12 7	5 34.16	+ 8 6.9	1.939	2.895	5.8	20.7
12 17	5 24.80	+ 7 36.5	1.928	2.887	5.4	20.7
12 27	5 15.69	+ 7 19.6	1.946	2.878	7.6	20.8
1 6	5 7.79	+ 7 16.7	1.991	2.869	10.6	21.0
1 16	5 1.84	+ 7 27.3	2.060	2.859	13.6	21.1

212496 2006 QX_{144} 12 14.3 70°.51 2°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.96	+17 0.1	1.832	2.633	15.3	20.2
11 17	5 50.37	+16 29.6	1.756	2.637	11.9	20.0
11 27	5 43.27	+16 1.4	1.702	2.642	8.1	19.7
12 7	5 34.39	+15 37.2	1.674	2.646	4.3	19.5
12 17	5 24.73	+15 18.5	1.674	2.650	3.2	19.5
12 27	5 15.50	+15 6.8	1.702	2.655	6.6	19.7
1 6	5 7.78	+15 3.2	1.758	2.660	10.4	19.9
1 16	5 2.34	+15 8.0	1.838	2.664	13.8	20.1

304141 2006 KP_{80} 12 14.3 126°.93 2°.7/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.75	+16 15.6	2.009	2.800	14.5	21.9
11 17	5 51.47	+15 57.7	1.935	2.810	11.3	21.7
11 27	5 43.86	+15 43.2	1.883	2.821	7.7	21.5
12 7	5 34.61	+15 32.9	1.859	2.831	4.0	21.3
12 17	5 24.67	+15 27.7	1.863	2.840	3.0	21.2
12 27	5 15.15	+15 28.4	1.898	2.849	6.1	21.4
1 6	5 7.06	+15 35.4	1.960	2.858	9.7	21.7
1 16	5 1.12	+15 48.6	2.047	2.867	12.9	21.9

294457 2007 VF_{310} 12 14.3 101°.07 0°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.16	+21 51.4	1.988	2.778	14.6	21.4
11 17	5 53.42	+22 13.4	1.920	2.797	11.3	21.2
11 27	5 45.18	+22 36.0	1.875	2.815	7.4	21.1
12 7	5 35.19	+22 57.7	1.857	2.834	3.2	20.8
12 17	5 24.47	+23 16.9	1.869	2.852	1.2	20.7
12 27	5 14.25	+23 33.0	1.911	2.869	5.4	21.0
1 6	5 5.59	+23 46.8	1.982	2.887	9.2	21.3
1 16	4 59.24	+23 59.6	2.077	2.903	12.5	21.5

81344 2000 GJ_{41} 12 14.3 153°.15 5°.7/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.00	+40 33.1	2.526	3.271	13.1	20.5
11 17	5 56.52	+41 26.7	2.447	3.279	10.8	20.3
11 27	5 47.33	+42 10.4	2.390	3.288	8.4	20.2
12 7	5 36.17	+42 39.1	2.360	3.295	6.4	20.0
12 17	5 24.09	+42 49.4	2.359	3.302	5.8	20.0
12 27	5 12.38	+42 40.8	2.387	3.308	7.0	20.1
1 6	5 2.24	+42 16.0	2.444	3.314	9.2	20.3
1 16	4 54.54	+41 40.0	2.526	3.319	11.5	20.4

384374 2009 UE_{152} 12 14.3 164°.76 0°.7/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.09	+23 35.3	1.698	2.497	16.4	21.7
11 17	5 54.84	+23 58.9	1.618	2.499	12.8	21.5
11 27	5 46.52	+24 22.7	1.560	2.502	8.5	21.2
12 7	5 35.91	+24 44.0	1.527	2.504	3.8	21.0
12 17	5 24.20	+25 0.7	1.523	2.505	1.5	20.8
12 27	5 12.88	+25 12.0	1.547	2.507	6.3	21.1
1 6	5 3.35	+25 19.3	1.599	2.508	10.8	21.4
1 16	4 56.60	+25 24.8	1.675	2.509	14.6	21.6

31539 1999 DQ_1 12 14.3 183°.30 5°.4/15.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.33	+43 43.3	3.056	3.786	11.3	18.4
11 17	5 53.27	+44 12.4	2.967	3.786	9.5	18.3
11 27	5 44.99	+44 30.6	2.901	3.786	7.6	18.1
12 7	5 35.11	+44 34.4	2.861	3.785	5.9	18.0
12 17	5 24.53	+44 21.7	2.850	3.784	5.4	18.0
12 27	5 14.31	+43 52.7	2.869	3.783	6.3	18.1
1 6	5 5.40	+43 10.0	2.916	3.781	8.1	18.2
1 16	4 58.52	+42 17.9	2.989	3.779	10.0	18.3

193657 2001 DP_{48} 12 14.3 316°.58 0°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.97	+20 33.2	1.586	2.396	16.8	19.4
11 17	5 51.97	+21 0.5	1.498	2.387	13.2	19.1
11 27	5 44.85	+21 31.9	1.432	2.377	8.8	18.9
12 7	5 35.29	+22 5.5	1.390	2.367	3.9	18.5
12 17	5 24.42	+22 39.1	1.375	2.358	1.4	18.3
12 27	5 13.77	+23 10.9	1.389	2.350	6.6	18.7
1 6	5 4.80	+23 40.5	1.429	2.342	11.5	18.9
1 16	4 58.62	+24 8.9	1.491	2.334	15.6	19.2

269233 2008 QN_5 12 14.3 74°.07 4°.2/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.09	+35 12.4	2.291	3.065	13.4	20.3
11 17	5 51.92	+35 45.8	2.215	3.074	10.8	20.1
11 27	5 44.27	+36 11.1	2.162	3.084	7.8	20.0
12 7	5 34.85	+36 24.8	2.135	3.093	5.1	19.8
12 17	5 24.64	+36 24.8	2.136	3.102	4.2	19.8
12 27	5 14.86	+36 11.1	2.168	3.111	6.1	19.9
1 6	5 6.56	+35 46.4	2.226	3.121	8.9	20.1
1 16	5 0.53	+35 14.8	2.311	3.130	11.6	20.3

220933 2005 HJ_6 12 14.3 122°.87 1°.0/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.03	+19 17.9	1.641	2.439	16.9	20.7
11 17	5 55.44	+19 37.1	1.570	2.451	13.1	20.5
11 27	5 46.82	+19 59.9	1.520	2.462	8.7	20.3
12 7	5 36.01	+20 24.9	1.496	2.473	3.9	20.0
12 17	5 24.22	+20 50.3	1.500	2.483	1.7	19.9
12 27	5 12.94	+21 15.0	1.534	2.493	6.4	20.2
1 6	5 3.50	+21 39.2	1.595	2.502	10.9	20.5
1 16	4 56.84	+22 3.6	1.680	2.511	14.7	20.7

3833 Calingasta 12 14.3 50°.49 11°.6/15.2 18 A

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 6.20	+ 1 43.8	0.977	1.780	25.5	17.7
11 17	5 59.39	+ 0 27.0	0.964	1.828	20.8	17.6
11 27	5 49.04	− 0 21.7	0.966	1.877	16.2	17.5
12 7	5 36.67	− 0 36.2	0.989	1.926	12.6	17.4
12 17	5 24.13	− 0 15.3	1.035	1.975	11.6	17.6
12 27	5 13.23	+ 0 36.9	1.104	2.023	13.4	17.8
1 6	5 5.24	+ 1 52.0	1.195	2.071	16.3	18.1
1 16	5 0.70	+ 3 21.0	1.305	2.118	19.2	18.5

125561 2001 XN_{14} 12 14.3 228°.12 3°.2/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.07	+30 26.8	1.853	2.642	15.6	20.3
11 17	5 54.89	+30 58.9	1.763	2.636	12.4	20.1
11 27	5 46.63	+31 25.9	1.695	2.629	8.6	19.8
12 7	5 36.01	+31 43.8	1.653	2.622	4.8	19.6
12 17	5 24.19	+31 49.4	1.639	2.615	3.4	19.5
12 27	5 12.66	+31 42.2	1.654	2.608	6.6	19.7
1 6	5 2.86	+31 24.9	1.696	2.600	10.6	19.9
1 16	4 55.81	+31 1.7	1.763	2.592	14.2	20.1

328417 2008 SB_{161} 12 14.3 105°.03 4°.3/15.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.34	+36 47.5	2.532	3.295	12.6	21.6
11 17	5 52.66	+37 23.4	2.458	3.309	10.2	21.4
11 27	5 44.65	+37 50.8	2.408	3.322	7.5	21.3
12 7	5 34.99	+38 6.3	2.384	3.336	5.2	21.1
12 17	5 24.63	+38 7.7	2.390	3.350	4.4	21.1
12 27	5 14.69	+37 55.1	2.425	3.363	5.9	21.2
1 6	5 6.16	+37 31.1	2.489	3.376	8.4	21.4
1 16	4 59.77	+36 59.5	2.578	3.388	10.8	21.6

265891 2006 AX_{62} 12 14.3 55°.72 4°.0/15.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.06	+34 59.0	1.973	2.756	15.0	20.7
11 17	5 52.91	+35 9.6	1.902	2.767	12.0	20.5
11 27	5 45.00	+35 10.0	1.853	2.779	8.6	20.3
12 7	5 35.17	+34 57.2	1.829	2.792	5.3	20.2
12 17	5 24.59	+34 29.7	1.833	2.804	4.0	20.1
12 27	5 14.62	+33 49.3	1.866	2.816	6.3	20.3
1 6	5 6.43	+33 0.1	1.927	2.829	9.6	20.5
1 16	5 0.80	+32 7.4	2.012	2.842	12.7	20.7

481375 2006 KG_{33} 12 14.3 52°.86 4°.6/13.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.73	+16 12.0	1.460	2.268	18.1	20.2
11 17	5 53.34	+14 57.2	1.414	2.299	14.1	20.1
11 27	5 45.12	+13 45.9	1.391	2.330	9.7	19.9
12 7	5 35.13	+12 42.3	1.392	2.361	5.7	19.7
12 17	5 24.65	+11 50.5	1.421	2.392	4.9	19.8
12 27	5 15.10	+11 13.6	1.477	2.423	8.1	20.0
1 6	5 7.59	+10 52.7	1.559	2.455	11.9	20.3
1 16	5 2.76	+10 47.1	1.663	2.486	15.2	20.6

177173 2003 SP_{164} 12 14.3 66°.14 6°.2/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.06	+33 53.9	1.280	2.084	20.4	20.0
11 17	5 59.78	+35 1.3	1.226	2.103	16.3	19.8
11 27	5 50.26	+35 59.0	1.192	2.123	11.8	19.6
12 7	5 37.62	+36 38.6	1.180	2.142	7.6	19.5
12 17	5 23.70	+36 54.1	1.194	2.162	6.3	19.4
12 27	5 10.79	+36 45.5	1.234	2.182	9.1	19.7
1 6	5 0.74	+36 18.6	1.298	2.202	13.2	19.9
1 16	4 54.65	+35 41.7	1.384	2.221	16.9	20.2

116742 2004 DV_{47} 12 14.3 153°.45 4°.2/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.42	+10 14.7	2.576	3.347	12.2	19.9
11 17	5 49.16	+ 9 40.4	2.497	3.356	9.7	19.8
11 27	5 42.12	+ 9 11.7	2.443	3.364	7.1	19.6
12 7	5 33.85	+ 8 50.5	2.416	3.372	4.8	19.5
12 17	5 25.06	+ 8 38.5	2.419	3.378	4.3	19.4
12 27	5 16.57	+ 8 36.6	2.452	3.385	6.2	19.6
1 6	5 9.13	+ 8 44.7	2.514	3.391	8.7	19.7
1 16	5 3.31	+ 9 2.0	2.601	3.396	11.2	19.9

378095 2006 UP_{142} 12 14.3 131°.57 0°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.23	+24 22.0	1.768	2.560	16.1	21.8
11 17	5 56.08	+24 6.4	1.697	2.574	12.5	21.5
11 27	5 47.07	+23 47.3	1.647	2.588	8.3	21.3
12 7	5 36.07	+23 24.0	1.624	2.601	3.6	21.1
12 17	5 24.28	+22 56.9	1.630	2.613	1.3	20.9
12 27	5 13.14	+22 27.9	1.666	2.625	6.0	21.3
1 6	5 3.86	+22 0.0	1.730	2.636	10.3	21.6
1 16	4 57.26	+21 36.2	1.819	2.646	13.9	21.8

182998 2002 PW_{34} 12 14.4 129°.45 2°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.32	+16 22.4	1.755	2.547	16.2	21.3
11 17	5 54.52	+16 1.8	1.685	2.562	12.7	21.1
11 27	5 46.02	+15 45.0	1.638	2.575	8.6	20.9
12 7	5 35.62	+15 32.8	1.616	2.588	4.5	20.7
12 17	5 24.45	+15 26.2	1.623	2.600	3.3	20.6
12 27	5 13.83	+15 26.1	1.660	2.612	6.8	20.9
1 6	5 4.92	+15 33.0	1.724	2.623	10.7	21.2
1 16	4 58.53	+15 46.9	1.812	2.633	14.2	21.4

73741 1993 TY_{15} 12 14.4 189°.24 5°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.77	+37 35.5	2.296	3.056	13.8	20.0
11 17	5 55.85	+38 29.0	2.208	3.055	11.3	19.8
11 27	5 47.10	+39 14.3	2.143	3.054	8.5	19.7
12 7	5 36.19	+39 46.1	2.105	3.052	6.1	19.5
12 17	5 24.21	+40 0.6	2.096	3.050	5.4	19.5
12 27	5 12.51	+39 56.9	2.115	3.048	7.1	19.6
1 6	5 2.39	+39 37.4	2.163	3.045	9.7	19.7
1 16	4 54.78	+39 7.0	2.236	3.041	12.4	19.9

517280 2014 GF_{26} 12 14.4 176°.95 1°.8/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.04	+28 22.4	2.238	3.019	13.5	22.1
11 17	5 53.36	+28 35.3	2.151	3.021	10.6	21.9
11 27	5 45.22	+28 43.9	2.087	3.023	7.2	21.7
12 7	5 35.30	+28 45.9	2.051	3.024	3.5	21.5
12 17	5 24.56	+28 40.0	2.044	3.024	2.0	21.4
12 27	5 14.17	+28 26.6	2.068	3.024	5.3	21.6
1 6	5 5.19	+28 7.8	2.121	3.024	8.8	21.8
1 16	4 58.43	+27 46.8	2.199	3.022	12.0	22.0

278696 2008 RX_{131} 12 14.4 95°.73 8°.6/17.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 9.34	+53 37.9	2.596	3.281	14.1	20.9
11 17	6 1.66	+54 16.0	2.532	3.300	12.4	20.7
11 27	5 50.73	+54 35.9	2.488	3.319	10.6	20.7
12 7	5 37.62	+54 32.1	2.468	3.338	9.2	20.6
12 17	5 23.79	+54 1.3	2.473	3.357	8.6	20.6
12 27	5 10.93	+53 4.7	2.506	3.375	9.1	20.6
1 6	5 0.39	+51 47.6	2.565	3.393	10.3	20.8
1 16	4 52.96	+50 17.3	2.648	3.411	11.9	20.9

145447 2005 RE_{12} 12 14.4 332°.30 1°.5/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.65	+20 18.1	1.427	2.244	18.1	20.3
11 17	5 52.63	+20 8.5	1.349	2.240	14.1	20.0
11 27	5 45.32	+20 0.1	1.291	2.237	9.5	19.7
12 7	5 35.51	+19 52.9	1.257	2.234	4.3	19.4
12 17	5 24.49	+19 47.2	1.249	2.231	2.2	19.3
12 27	5 13.90	+19 43.9	1.268	2.229	7.2	19.6
1 6	5 5.26	+19 44.4	1.313	2.226	12.2	19.9
1 16	4 59.61	+19 50.2	1.380	2.224	16.5	20.1

352364 2007 VN_{214} 12 14.4 332°.69 0°.7/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.97	+20 7.9	1.315	2.133	19.2	20.7
11 17	5 54.79	+20 28.9	1.239	2.131	15.1	20.4
11 27	5 46.95	+20 54.4	1.183	2.130	10.1	20.2
12 7	5 36.29	+21 22.6	1.150	2.128	4.4	19.8
12 17	5 24.19	+21 50.9	1.144	2.127	1.7	19.6
12 27	5 12.51	+22 17.9	1.164	2.126	7.5	20.0
1 6	5 2.99	+22 43.7	1.209	2.125	12.8	20.3
1 16	4 56.79	+23 9.3	1.276	2.124	17.4	20.6

167382 2003 WM_{72} 12 14.4 69°.82 4°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.30	+30 51.0	1.674	2.462	17.0	20.3
11 17	5 58.06	+31 57.3	1.621	2.492	13.4	20.1
11 27	5 48.57	+32 57.5	1.590	2.521	9.3	19.9
12 7	5 36.77	+33 45.8	1.585	2.550	5.5	19.8
12 17	5 24.08	+34 17.6	1.608	2.580	4.3	19.8
12 27	5 12.15	+34 32.3	1.659	2.608	7.1	20.0
1 6	5 2.39	+34 32.7	1.738	2.637	10.7	20.3
1 16	4 55.69	+34 23.9	1.841	2.665	13.9	20.5

407097 2009 SW_{280} 12 14.4 45°.42 5°.6/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.40	+ 8 51.4	1.984	2.773	14.7	20.6
11 17	5 48.14	+ 8 9.9	1.914	2.781	11.8	20.4
11 27	5 41.70	+ 7 36.6	1.866	2.789	8.8	20.3
12 7	5 33.75	+ 7 14.8	1.844	2.798	6.2	20.1
12 17	5 25.16	+ 7 6.5	1.849	2.806	5.7	20.1
12 27	5 16.95	+ 7 12.8	1.882	2.815	7.7	20.3
1 6	5 10.05	+ 7 33.0	1.942	2.824	10.6	20.5
1 16	5 5.12	+ 8 5.0	2.025	2.834	13.4	20.7

431184 2006 SL_{59} 12 14.4 51°.40 6°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.34	+12 3.9	1.161	1.982	21.1	20.0
11 17	5 53.83	+11 20.0	1.115	2.004	16.7	19.8
11 27	5 45.88	+10 46.7	1.089	2.027	11.8	19.6
12 7	5 35.60	+10 28.0	1.084	2.050	7.4	19.5
12 17	5 24.53	+10 26.1	1.104	2.074	6.3	19.5
12 27	5 14.42	+10 41.3	1.150	2.098	9.6	19.7
1 6	5 6.67	+11 11.6	1.218	2.123	13.8	20.1
1 16	5 2.10	+11 53.7	1.308	2.147	17.6	20.4

478423 2012 GX_{26} 12 14.4 214°.20 3°.3/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.44	+29 39.1	1.618	2.413	17.2	22.2
11 17	5 57.17	+30 13.6	1.532	2.409	13.7	21.9
11 27	5 48.39	+30 43.4	1.467	2.404	9.5	21.7
12 7	5 36.89	+31 3.9	1.427	2.398	5.1	21.4
12 17	5 23.98	+31 11.1	1.415	2.392	3.5	21.3
12 27	5 11.44	+31 4.4	1.430	2.386	7.2	21.5
1 6	5 0.91	+30 46.8	1.473	2.379	11.7	21.7
1 16	4 53.55	+30 23.5	1.539	2.372	15.7	22.0

107533 2001 DF_{67} 12 14.4 329°.54 5°.3/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.08	+35 46.9	1.643	2.435	17.1	19.6
11 17	5 54.62	+36 16.6	1.560	2.430	13.9	19.4
11 27	5 46.69	+36 35.5	1.498	2.425	10.2	19.2
12 7	5 36.12	+36 38.3	1.460	2.421	6.7	18.9
12 17	5 24.28	+36 21.4	1.449	2.417	5.4	18.9
12 27	5 12.95	+35 45.5	1.465	2.413	7.9	19.0
1 6	5 3.72	+34 55.4	1.506	2.410	11.7	19.2
1 16	4 57.66	+33 58.1	1.571	2.407	15.3	19.4

54991 2001 QT_{10} 12 14.4 27°.72 4°.6/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.26	+32 53.4	1.186	2.010	20.6	17.3
11 17	5 53.52	+33 16.6	1.144	2.035	16.2	17.1
11 27	5 45.89	+33 27.8	1.121	2.061	11.3	16.9
12 7	5 35.64	+33 22.7	1.119	2.089	6.6	16.7
12 17	5 24.55	+32 59.6	1.142	2.118	4.7	16.7
12 27	5 14.62	+32 21.4	1.190	2.148	8.0	17.0
1 6	5 7.39	+31 34.8	1.263	2.180	12.3	17.3
1 16	5 3.66	+30 46.4	1.357	2.212	16.1	17.7

443789 2015 MZ_{92} 12 14.4 152°.59 2°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.92	+16 20.0	2.075	2.859	14.3	22.7
11 17	5 53.15	+16 10.2	1.996	2.868	11.2	22.5
11 27	5 45.01	+16 3.8	1.941	2.877	7.6	22.3
12 7	5 35.20	+16 1.5	1.913	2.885	3.9	22.1
12 17	5 24.65	+16 3.5	1.915	2.892	2.7	22.0
12 27	5 14.49	+16 10.2	1.947	2.899	5.9	22.2
1 6	5 5.75	+16 21.9	2.007	2.905	9.5	22.5
1 16	4 59.15	+16 38.7	2.093	2.910	12.8	22.7

193943 2001 RV_{37} 12 14.4 227°.10 0°.5/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.52	+25 44.3	2.763	3.545	11.2	20.2
11 17	5 48.66	+25 39.3	2.665	3.538	8.7	20.1
11 27	5 41.92	+25 31.4	2.592	3.530	5.8	19.9
12 7	5 33.84	+25 19.9	2.547	3.523	2.6	19.6
12 17	5 25.13	+25 4.6	2.532	3.515	1.0	19.5
12 27	5 16.64	+24 46.2	2.549	3.507	4.3	19.7
1 6	5 9.16	+24 26.4	2.595	3.498	7.4	19.9
1 16	5 3.33	+24 7.0	2.667	3.489	10.2	20.1

54834 2001 NH_{18} 12 14.4 159°.65 5°.0/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.90	+ 9 55.1	2.292	3.069	13.3	19.7
11 17	5 49.77	+ 9 2.3	2.213	3.074	10.7	19.5
11 27	5 42.65	+ 8 15.2	2.158	3.079	7.9	19.4
12 7	5 34.14	+ 7 36.6	2.130	3.083	5.6	19.2
12 17	5 25.04	+ 7 9.2	2.131	3.087	5.2	19.2
12 27	5 16.27	+ 6 54.7	2.162	3.091	7.2	19.3
1 6	5 8.67	+ 6 53.4	2.220	3.094	9.9	19.5
1 16	5 2.88	+ 7 4.3	2.303	3.096	12.5	19.7

298408 2003 SL_{280} 12 14.4 355°.20 3°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.38	+30 48.3	1.572	2.377	17.2	20.5
11 17	5 53.19	+31 8.4	1.493	2.375	13.6	20.2
11 27	5 45.68	+31 21.2	1.435	2.374	9.5	20.0
12 7	5 35.66	+31 23.2	1.402	2.373	5.2	19.7
12 17	5 24.47	+31 11.7	1.395	2.372	3.5	19.6
12 27	5 13.77	+30 47.5	1.415	2.372	7.0	19.8
1 6	5 5.09	+30 14.6	1.461	2.372	11.4	20.1
1 16	4 59.43	+29 38.3	1.530	2.373	15.3	20.3

448806 2011 TH_{16} 12 14.4 81°.17 4°.4/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.95	+32 40.7	1.864	2.641	15.9	21.3
11 17	5 58.31	+33 42.9	1.808	2.671	12.6	21.2
11 27	5 48.62	+34 37.8	1.776	2.702	8.9	21.0
12 7	5 36.78	+35 19.9	1.770	2.731	5.6	20.9
12 17	5 24.11	+35 45.1	1.792	2.760	4.5	20.9
12 27	5 12.14	+35 53.2	1.844	2.789	6.9	21.1
1 6	5 2.20	+35 47.1	1.924	2.817	10.1	21.3
1 16	4 55.14	+35 31.9	2.028	2.845	13.1	21.6

197051 2003 UD_{143} 12 14.4 100°.16 4°.0/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.54	+34 47.2	2.397	3.168	13.0	19.9
11 17	5 52.22	+35 26.8	2.319	3.177	10.4	19.7
11 27	5 44.48	+35 59.3	2.264	3.186	7.5	19.5
12 7	5 35.00	+36 21.1	2.236	3.194	4.9	19.4
12 17	5 24.72	+36 29.6	2.238	3.203	4.1	19.3
12 27	5 14.81	+36 24.7	2.268	3.211	5.9	19.5
1 6	5 6.31	+36 8.6	2.327	3.219	8.7	19.7
1 16	4 59.99	+35 44.8	2.412	3.228	11.3	19.9

420816 2013 HD_{39} 12 14.4 130°.88 1°.8/14.7 14 C

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.41	+29 37.4	2.536	3.311	12.2	22.7
11 17	5 51.71	+29 43.4	2.457	3.324	9.5	22.5
11 27	5 43.92	+29 44.3	2.403	3.337	6.5	22.3
12 7	5 34.69	+29 38.2	2.377	3.349	3.3	22.1
12 17	5 24.86	+29 24.6	2.381	3.360	2.0	22.1
12 27	5 15.45	+29 4.1	2.416	3.371	4.7	22.3
1 6	5 7.32	+28 39.1	2.480	3.382	7.8	22.5
1 16	5 1.13	+28 12.4	2.571	3.392	10.5	22.7

104652 2000 GY_{133} 12 14.4 177°.12 0°.7/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.13	+20 12.2	2.708	3.491	11.3	19.8
11 17	5 48.31	+20 18.1	2.618	3.492	8.8	19.6
11 27	5 41.67	+20 25.0	2.554	3.493	5.8	19.4
12 7	5 33.74	+20 32.6	2.518	3.494	2.6	19.2
12 17	5 25.19	+20 40.4	2.512	3.494	1.2	19.1
12 27	5 16.87	+20 48.6	2.537	3.494	4.4	19.3
1 6	5 9.53	+20 57.5	2.591	3.494	7.4	19.5
1 16	5 3.80	+21 7.7	2.673	3.493	10.2	19.7

96001 2004 NY_{22} 12 14.4 94°.67 2°.8/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.36	+16 43.1	1.732	2.528	16.2	20.6
11 17	5 53.72	+16 21.0	1.671	2.549	12.6	20.4
11 27	5 45.45	+16 2.5	1.632	2.570	8.5	20.2
12 7	5 35.38	+15 48.5	1.618	2.591	4.4	20.0
12 17	5 24.65	+15 40.1	1.634	2.611	3.2	20.0
12 27	5 14.56	+15 38.1	1.678	2.631	6.6	20.2
1 6	5 6.21	+15 43.0	1.749	2.650	10.5	20.5
1 16	5 0.34	+15 54.9	1.845	2.669	13.9	20.8

464604 2016 CR_{130} 12 14.4 347.°57 0.°9/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.78	+22 22.8	1.816	2.626	15.0	21.2
11 17	5 48.20	+22 1.9	1.730	2.619	11.7	21.0
11 27	5 42.05	+21 39.1	1.667	2.613	7.8	20.7
12 7	5 34.02	+21 14.8	1.630	2.607	3.4	20.5
12 17	5 25.10	+20 49.8	1.620	2.602	1.6	20.3
12 27	5 16.53	+20 26.1	1.638	2.598	5.9	20.6
1 6	5 9.43	+20 5.7	1.683	2.595	10.1	20.9
1 16	5 4.64	+19 50.6	1.752	2.592	13.8	21.1

337545 2001 SK_{243} 12 14.4 64.°13 1.°9/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.32	+19 30.6	1.396	2.207	18.7	20.8
11 17	5 54.98	+19 16.6	1.345	2.233	14.4	20.6
11 27	5 46.48	+19 4.8	1.314	2.259	9.5	20.4
12 7	5 35.85	+18 55.2	1.308	2.285	4.4	20.2
12 17	5 24.51	+18 48.2	1.329	2.311	2.4	20.1
12 27	5 14.05	+18 44.9	1.378	2.337	7.0	20.5
1 6	5 5.77	+18 46.5	1.452	2.363	11.5	20.8
1 16	5 0.47	+18 53.6	1.550	2.388	15.4	21.1

257489 1995 UY_{12} 12 14.4 37.°22 0.°9/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.38	+25 34.6	1.909	2.709	14.8	21.3
11 17	5 50.85	+25 41.5	1.831	2.713	11.5	21.1
11 27	5 43.71	+25 45.7	1.776	2.718	7.7	20.9
12 7	5 34.71	+25 45.5	1.746	2.723	3.4	20.6
12 17	5 24.87	+25 40.3	1.745	2.728	1.4	20.5
12 27	5 15.44	+25 30.6	1.773	2.733	5.6	20.8
1 6	5 7.56	+25 18.3	1.829	2.738	9.6	21.0
1 16	5 2.04	+25 5.9	1.909	2.744	13.0	21.3

183006 2002 PG_{59} 12 14.4 77.°47 3.°1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.98	+16 11.3	1.420	2.228	18.6	20.3
11 17	5 54.76	+15 58.2	1.363	2.248	14.5	20.0
11 27	5 46.40	+15 50.7	1.326	2.267	9.8	19.8
12 7	5 35.86	+15 49.6	1.313	2.286	5.0	19.6
12 17	5 24.49	+15 55.2	1.327	2.306	3.5	19.6
12 27	5 13.87	+16 7.7	1.369	2.325	7.5	19.9
1 6	5 5.32	+16 27.0	1.437	2.344	11.9	20.2
1 16	4 59.70	+16 52.4	1.527	2.362	15.7	20.4

523463 2017 FG_{94} 12 14.4 231.°40 0.°5/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.71	+23 39.4	2.235	3.027	13.2	21.0
11 17	5 49.89	+23 11.4	2.147	3.025	10.2	20.8
11 27	5 42.87	+22 40.3	2.082	3.024	6.8	20.6
12 7	5 34.29	+22 6.2	2.045	3.022	2.9	20.4
12 17	5 25.03	+21 30.2	2.037	3.020	1.2	20.2
12 27	5 16.11	+20 54.2	2.060	3.018	5.1	20.5
1 6	5 8.48	+20 20.7	2.111	3.016	8.7	20.7
1 16	5 2.84	+19 52.0	2.188	3.014	11.9	20.9

493074 2014 SU_{300} 12 14.4 22.°03 5.°1/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.23	+36 7.1	2.089	2.867	14.4	21.0
11 17	5 52.48	+36 57.1	2.010	2.870	11.7	20.8
11 27	5 44.92	+37 39.1	1.953	2.873	8.7	20.6
12 7	5 35.29	+38 8.1	1.922	2.876	6.0	20.5
12 17	5 24.65	+38 20.9	1.919	2.880	5.2	20.4
12 27	5 14.38	+38 16.6	1.945	2.884	7.0	20.6
1 6	5 5.74	+37 58.1	1.997	2.889	9.9	20.7
1 16	4 59.61	+37 29.8	2.073	2.893	12.7	20.9

139018 2001 DF_{60} 12 14.4 240.°63 4.°6/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.06	+34 0.5	1.527	2.322	18.1	19.9
11 17	5 57.12	+34 21.0	1.445	2.318	14.5	19.6
11 27	5 48.45	+34 31.0	1.383	2.314	10.4	19.4
12 7	5 36.93	+34 25.3	1.344	2.310	6.3	19.1
12 17	5 24.06	+34 0.5	1.333	2.306	4.7	19.0
12 27	5 11.75	+33 17.8	1.348	2.302	7.8	19.2
1 6	5 1.73	+32 22.9	1.390	2.297	12.2	19.5
1 16	4 55.12	+31 23.3	1.454	2.293	16.2	19.7

106156 2000 TU_{59} 12 14.4 22.°82 5.°8/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.66	+ 7 37.1	1.531	2.333	17.7	18.0
11 17	5 49.76	+ 7 41.0	1.468	2.342	14.3	17.8
11 27	5 43.10	+ 7 59.7	1.425	2.353	10.4	17.6
12 7	5 34.47	+ 8 35.0	1.405	2.365	7.0	17.4
12 17	5 24.98	+ 9 26.5	1.412	2.378	5.9	17.4
12 27	5 15.96	+10 32.0	1.446	2.392	8.3	17.6
1 6	5 8.63	+11 47.4	1.505	2.406	11.9	17.8
1 16	5 3.81	+13 8.6	1.588	2.421	15.3	18.1

442287 2011 SK_{7} 12 14.4 43.°68 8.°4/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.67	+40 26.0	1.519	2.301	18.7	20.2
11 17	5 57.82	+41 44.3	1.462	2.317	15.5	20.0
11 27	5 48.97	+42 48.5	1.424	2.333	12.1	19.8
12 7	5 37.14	+43 30.1	1.410	2.350	9.3	19.7
12 17	5 24.02	+43 43.1	1.420	2.367	8.4	19.7
12 27	5 11.71	+43 27.3	1.457	2.384	10.0	19.9
1 6	5 2.03	+42 48.6	1.517	2.402	12.9	20.1
1 16	4 56.04	+41 55.7	1.600	2.421	15.8	20.3

13945 1990 OH_{2} 12 14.4 171.°75 1.°7/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.75	+29 26.4	2.956	3.729	10.7	18.7
11 17	5 49.49	+29 37.2	2.866	3.731	8.4	18.5
11 27	5 42.41	+29 43.7	2.801	3.734	5.7	18.4
12 7	5 34.06	+29 44.5	2.765	3.736	3.0	18.2
12 17	5 25.12	+29 38.9	2.759	3.737	1.8	18.1
12 27	5 16.44	+29 27.0	2.784	3.738	4.2	18.3
1 6	5 8.78	+29 10.5	2.839	3.739	7.0	18.4
1 16	5 2.75	+28 51.5	2.922	3.740	9.5	18.6

173065 2006 SZ_{123} 12 14.4 305.°81 1.°2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.97	+18 25.9	1.845	2.645	15.2	20.0
11 17	5 51.43	+18 45.0	1.759	2.641	11.9	19.8
11 27	5 44.22	+19 8.6	1.695	2.637	8.0	19.5
12 7	5 35.00	+19 35.8	1.657	2.633	3.6	19.2
12 17	5 24.76	+20 5.1	1.647	2.630	1.7	19.1
12 27	5 14.77	+20 35.6	1.667	2.626	6.0	19.4
1 6	5 6.23	+21 6.7	1.714	2.622	10.2	19.6
1 16	5 0.05	+21 38.4	1.786	2.619	13.9	19.8

234299 2000 YL_{95} 12 14.4 43.°10 1.°9/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.10	+27 16.3	1.412	2.226	18.3	19.4
11 17	5 53.71	+27 31.5	1.351	2.240	14.3	19.2
11 27	5 45.92	+27 42.0	1.311	2.255	9.6	19.0
12 7	5 35.72	+27 44.9	1.294	2.270	4.6	18.7
12 17	5 24.56	+27 38.6	1.304	2.285	2.3	18.6
12 27	5 14.14	+27 24.1	1.340	2.301	6.8	19.0
1 6	5 5.92	+27 4.9	1.403	2.318	11.5	19.3
1 16	5 0.83	+26 44.9	1.488	2.334	15.4	19.6

197186 2003 UN_{310} 12 14.4 304.°25 7.°5/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.45	+43 32.0	2.271	3.019	14.3	20.1
11 17	5 55.29	+44 43.6	2.185	3.013	12.1	19.9
11 27	5 47.01	+45 44.3	2.120	3.007	9.8	19.8
12 7	5 36.30	+46 27.7	2.080	3.001	8.1	19.6
12 17	5 24.29	+46 48.7	2.068	2.995	7.6	19.6
12 27	5 12.52	+46 45.7	2.082	2.990	8.7	19.7
1 6	5 2.45	+46 21.5	2.123	2.984	10.8	19.8
1 16	4 55.15	+45 41.9	2.187	2.979	13.1	19.9

377991 2006 RQ_{31} 12 14.4 25.°83 1.°1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.98	+22 11.8	0.998	1.844	22.0	20.9
11 17	5 52.16	+21 55.6	0.948	1.855	17.1	20.6
11 27	5 45.29	+21 38.8	0.915	1.868	11.3	20.4
12 7	5 35.54	+21 21.4	0.903	1.882	4.9	20.1
12 17	5 24.66	+21 4.2	0.915	1.898	2.1	19.9
12 27	5 14.76	+20 49.4	0.950	1.915	8.2	20.4
1 6	5 7.56	+20 39.7	1.008	1.932	13.8	20.7
1 16	5 4.00	+20 36.9	1.086	1.951	18.5	21.1

264151 2009 VE_{76} 12 14.4 307.°33 0.°5/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.04	+24 46.8	2.171	2.966	13.4	21.0
11 17	5 49.58	+24 48.6	2.082	2.961	10.4	20.8
11 27	5 42.81	+24 48.2	2.015	2.956	6.9	20.6
12 7	5 34.33	+24 44.6	1.975	2.952	3.1	20.3
12 17	5 25.05	+24 37.3	1.964	2.947	1.2	20.2
12 27	5 16.04	+24 26.8	1.983	2.943	5.1	20.5
1 6	5 8.33	+24 14.8	2.030	2.938	8.9	20.7
1 16	5 2.68	+24 3.4	2.102	2.934	12.1	20.9

403367 2009 HN_{66} 12 14.4 273.°76 2.°2/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.81	+15 47.0	2.034	2.823	14.4	21.7
11 17	5 52.03	+15 58.1	1.925	2.799	11.4	21.5
11 27	5 44.68	+16 15.1	1.838	2.776	7.8	21.2
12 7	5 35.27	+16 38.2	1.779	2.752	4.0	20.9
12 17	5 24.68	+17 6.7	1.748	2.727	2.6	20.8
12 27	5 14.07	+17 39.9	1.747	2.702	6.2	21.0
1 6	5 4.65	+18 17.0	1.775	2.677	10.3	21.1
1 16	4 57.37	+18 57.4	1.828	2.652	14.0	21.3

149042 2002 AQ_{199} 12 14.4 89.°05 3.°4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.55	+11 32.9	2.105	2.886	14.2	20.1
11 17	5 51.24	+11 45.0	2.035	2.902	11.2	20.0
11 27	5 43.73	+12 5.4	1.987	2.918	7.8	19.8
12 7	5 34.67	+12 34.3	1.967	2.933	4.6	19.6
12 17	5 24.97	+13 11.2	1.976	2.949	3.6	19.6
12 27	5 15.64	+13 54.7	2.015	2.964	6.1	19.8
1 6	5 7.64	+14 43.3	2.083	2.979	9.3	20.0
1 16	5 1.64	+15 35.3	2.176	2.994	12.3	20.2

25097 1998 RK_{47} 12 14.4 125.°83 2.°9/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.88	+31 6.2	1.722	2.510	16.6	18.3
11 17	5 56.97	+31 15.7	1.649	2.522	13.1	18.1
11 27	5 47.89	+31 17.1	1.599	2.533	9.0	17.8
12 7	5 36.56	+31 7.1	1.573	2.544	4.8	17.6
12 17	5 24.30	+30 44.1	1.576	2.554	3.1	17.5
12 27	5 12.73	+30 9.7	1.608	2.564	6.5	17.8
1 6	5 3.19	+29 28.3	1.667	2.573	10.6	18.0
1 16	4 56.60	+28 45.4	1.750	2.582	14.2	18.3

294870 2008 CM_{201} 12 14.4 173°.62 2°.3/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.32	+28 57.3	2.043	2.832	14.3	21.4
11 17	5 52.36	+29 20.3	1.958	2.833	11.2	21.2
11 27	5 44.76	+29 39.0	1.897	2.833	7.7	21.0
12 7	5 35.22	+29 50.6	1.861	2.833	4.0	20.8
12 17	5 24.76	+29 53.1	1.855	2.834	2.5	20.7
12 27	5 14.64	+29 46.6	1.878	2.834	5.7	20.9
1 6	5 6.04	+29 33.2	1.928	2.834	9.4	21.1
1 16	4 59.79	+29 16.0	2.004	2.834	12.7	21.3

33390 Hajlasz 12 14.4 216°.30 1°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.77	+27 17.1	1.916	2.706	15.1	19.5
11 17	5 54.47	+27 33.0	1.824	2.700	11.9	19.3
11 27	5 46.30	+27 45.3	1.755	2.694	8.0	19.0
12 7	5 35.95	+27 51.5	1.713	2.687	3.9	18.8
12 17	5 24.51	+27 49.7	1.699	2.680	2.0	18.6
12 27	5 13.38	+27 40.0	1.715	2.673	6.0	18.9
1 6	5 3.84	+27 24.6	1.758	2.665	10.1	19.1
1 16	4 56.86	+27 6.9	1.827	2.656	13.8	19.3

165947 2001 VD_{117} 12 14.4 271°.73 0°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.04	+26 30.1	1.357	2.171	18.9	20.2
11 17	5 55.63	+26 10.5	1.276	2.165	14.9	19.9
11 27	5 47.52	+25 44.1	1.215	2.160	10.0	19.6
12 7	5 36.58	+25 9.3	1.177	2.154	4.5	19.3
12 17	5 24.30	+24 26.5	1.165	2.148	1.6	19.1
12 27	5 12.56	+23 38.8	1.181	2.143	7.4	19.5
1 6	5 3.07	+22 51.6	1.222	2.137	12.8	19.7
1 16	4 56.96	+22 10.2	1.284	2.131	17.4	20.0

145531 2006 FF_{33} 12 14.4 133°.60 2°.6/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.39	+17 6.6	2.088	2.876	14.1	21.8
11 17	5 51.91	+16 37.4	2.013	2.888	11.0	21.6
11 27	5 44.18	+16 10.1	1.962	2.899	7.5	21.4
12 7	5 34.88	+15 46.0	1.938	2.909	3.9	21.2
12 17	5 24.94	+15 26.4	1.943	2.920	2.9	21.2
12 27	5 15.44	+15 12.7	1.978	2.929	5.9	21.4
1 6	5 7.33	+15 5.9	2.042	2.939	9.4	21.6
1 16	5 1.31	+15 6.4	2.130	2.947	12.6	21.8

56279 1999 KD_{1} 12 14.4 252°.85 3°.4/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.29	+15 9.6	2.204	2.993	13.4	19.9
11 17	5 49.64	+14 29.8	2.107	2.980	10.6	19.7
11 27	5 42.80	+13 51.9	2.034	2.968	7.4	19.4
12 7	5 34.35	+13 18.1	1.987	2.955	4.4	19.2
12 17	5 25.10	+12 50.5	1.970	2.942	3.7	19.2
12 27	5 16.06	+12 30.9	1.982	2.928	6.4	19.3
1 6	5 8.18	+12 20.6	2.022	2.915	9.8	19.5
1 16	5 2.21	+12 20.0	2.087	2.901	12.9	19.7

17844 Judson 12 14.4 342°.77 0°.9/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.54	+20 41.5	2.020	2.818	14.1	18.4
11 17	5 50.06	+20 41.7	1.936	2.817	11.0	18.2
11 27	5 43.17	+20 42.9	1.874	2.816	7.3	17.9
12 7	5 34.52	+20 44.5	1.839	2.816	3.3	17.7
12 17	5 25.05	+20 46.4	1.833	2.815	1.5	17.6
12 27	5 15.89	+20 48.9	1.855	2.814	5.5	17.8
1 6	5 8.08	+20 52.8	1.906	2.814	9.4	18.1
1 16	5 2.41	+20 59.2	1.982	2.813	12.8	18.3

312750 2010 TG_{85} 12 14.4 336°.93 2°.3/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.08	+17 40.3	1.846	2.649	15.1	20.9
11 17	5 49.88	+17 24.5	1.763	2.646	11.8	20.7
11 27	5 43.14	+17 11.4	1.702	2.643	8.0	20.4
12 7	5 34.55	+17 1.7	1.666	2.641	4.0	20.2
12 17	5 25.07	+16 56.2	1.659	2.638	2.7	20.1
12 27	5 15.91	+16 55.9	1.680	2.636	6.3	20.3
1 6	5 8.19	+17 1.4	1.728	2.634	10.3	20.5
1 16	5 2.74	+17 13.0	1.800	2.632	13.8	20.8

420984 2013 PR_{33} 12 14.4 128°.74 0°.9/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.22	+20 51.5	2.722	3.506	11.3	21.9
11 17	5 48.30	+20 38.9	2.641	3.515	8.7	21.7
11 27	5 41.63	+20 26.0	2.585	3.524	5.8	21.6
12 7	5 33.76	+20 13.1	2.557	3.533	2.6	21.4
12 17	5 25.38	+20 0.4	2.560	3.542	1.3	21.3
12 27	5 17.30	+19 48.8	2.594	3.550	4.3	21.5
1 6	5 10.25	+19 39.3	2.657	3.558	7.3	21.7
1 16	5 4.79	+19 32.9	2.746	3.566	10.0	21.9

286461 2002 AN_{112} 12 14.4 288°.53 0°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.72	+22 21.0	2.041	2.839	14.0	20.7
11 17	5 50.40	+22 26.3	1.941	2.822	11.0	20.5
11 27	5 43.55	+22 31.6	1.863	2.805	7.3	20.2
12 7	5 34.78	+22 36.1	1.811	2.788	3.2	19.9
12 17	5 24.97	+22 38.9	1.788	2.771	1.2	19.7
12 27	5 15.31	+22 40.3	1.795	2.755	5.5	20.0
1 6	5 6.93	+22 41.3	1.830	2.738	9.6	20.2
1 16	5 0.74	+22 43.3	1.889	2.721	13.3	20.4

394593 2007 VD_{189} 12 14.4 86°.96 3°.9/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.45	+31 39.5	1.821	2.610	15.8	21.5
11 17	5 55.12	+32 24.6	1.750	2.621	12.5	21.4
11 27	5 46.74	+33 3.5	1.701	2.633	8.8	21.2
12 7	5 36.13	+33 31.8	1.678	2.644	5.2	21.0
12 17	5 24.52	+33 46.0	1.682	2.655	4.0	20.9
12 27	5 13.43	+33 45.5	1.716	2.666	6.7	21.1
1 6	5 4.19	+33 33.3	1.776	2.678	10.3	21.3
1 16	4 57.74	+33 13.7	1.861	2.689	13.6	21.6

200490 2000 YD_{60} 12 14.4 271°.27 0°.3/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.92	+23 47.1	1.829	2.629	15.3	19.8
11 17	5 52.35	+23 32.6	1.732	2.615	12.0	19.5
11 27	5 44.96	+23 15.2	1.657	2.600	8.0	19.2
12 7	5 35.42	+22 54.2	1.608	2.586	3.5	18.9
12 17	5 24.77	+22 29.8	1.588	2.571	1.3	18.7
12 27	5 14.37	+22 3.6	1.596	2.556	6.1	19.0
1 6	5 5.50	+21 38.3	1.631	2.540	10.6	19.3
1 16	4 59.12	+21 16.8	1.691	2.525	14.5	19.5

102673 1999 VZ_{63} 12 14.4 122°.86 2°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.41	+27 27.8	1.678	2.470	16.8	20.3
11 17	5 57.48	+28 4.4	1.608	2.484	13.2	20.1
11 27	5 48.34	+28 37.8	1.559	2.497	8.9	19.9
12 7	5 36.84	+29 3.9	1.536	2.510	4.4	19.6
12 17	5 24.30	+29 19.6	1.542	2.522	2.7	19.5
12 27	5 12.33	+29 24.2	1.577	2.533	6.5	19.8
1 6	5 2.38	+29 20.3	1.639	2.544	10.8	20.1
1 16	4 55.38	+29 11.6	1.725	2.555	14.4	20.3

54954 2001 PU_{6} 12 14.4 93°.44 3°.7/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.84	+32 20.2	1.609	2.401	17.4	19.3
11 17	5 57.16	+32 38.1	1.543	2.416	13.8	19.0
11 27	5 48.13	+32 46.9	1.498	2.431	9.6	18.8
12 7	5 36.71	+32 42.4	1.478	2.446	5.5	18.6
12 17	5 24.37	+32 22.7	1.485	2.461	3.8	18.6
12 27	5 12.79	+31 49.2	1.520	2.475	7.0	18.8
1 6	5 3.44	+31 7.0	1.582	2.489	11.0	19.1
1 16	4 57.20	+30 22.0	1.668	2.503	14.6	19.3

486644 2013 PZ_{1} 12 14.4 203°.02 6°.8/15.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.57	+48 35.8	3.046	3.750	11.8	21.9
11 17	5 56.91	+49 16.5	2.954	3.745	10.2	21.8
11 27	5 47.65	+49 44.6	2.884	3.740	8.6	21.7
12 7	5 36.48	+49 55.3	2.839	3.734	7.2	21.6
12 17	5 24.42	+49 45.6	2.822	3.728	6.8	21.5
12 27	5 12.73	+49 15.1	2.833	3.721	7.5	21.6
1 6	5 2.56	+48 26.9	2.872	3.714	8.9	21.6
1 16	4 54.74	+47 25.9	2.936	3.706	10.7	21.8

161325 2003 QZ_{49} 12 14.4 99°.44 1°.0/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.01	+20 23.4	1.859	2.653	15.3	20.6
11 17	5 53.47	+20 22.4	1.792	2.671	11.9	20.4
11 27	5 45.35	+20 22.4	1.748	2.689	7.8	20.2
12 7	5 35.44	+20 23.0	1.730	2.707	3.5	20.0
12 17	5 24.83	+20 23.7	1.742	2.724	1.6	19.9
12 27	5 14.76	+20 25.1	1.783	2.741	5.7	20.2
1 6	5 6.33	+20 28.2	1.852	2.757	9.7	20.5
1 16	5 0.30	+20 34.0	1.945	2.773	13.1	20.7

521650 2015 QY_{18} 12 14.4 104°.34 0°.9/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.92	+19 49.9	2.066	2.856	14.2	21.7
11 17	5 52.42	+19 57.9	1.997	2.873	11.0	21.5
11 27	5 44.57	+20 7.6	1.950	2.890	7.3	21.3
12 7	5 35.09	+20 18.3	1.931	2.907	3.2	21.1
12 17	5 24.95	+20 29.2	1.941	2.923	1.5	21.0
12 27	5 15.25	+20 40.4	1.981	2.939	5.3	21.3
1 6	5 7.00	+20 52.2	2.050	2.954	9.0	21.5
1 16	5 0.91	+21 5.6	2.144	2.970	12.2	21.8

232525 2003 SZ_{12} 12 14.4 80°.97 4°.6/15.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.09	+36 20.5	2.247	3.018	13.7	20.7
11 17	5 52.87	+36 54.6	2.170	3.026	11.1	20.6
11 27	5 45.05	+37 19.9	2.115	3.033	8.2	20.4
12 7	5 35.37	+37 32.4	2.086	3.041	5.5	20.3
12 17	5 24.85	+37 29.9	2.085	3.048	4.6	20.2
12 27	5 14.76	+37 12.4	2.114	3.056	6.4	20.3
1 6	5 6.23	+36 42.8	2.171	3.063	9.2	20.5
1 16	5 0.06	+36 5.7	2.252	3.071	11.9	20.7

417363 2006 FN_{53} 12 14.4 269°.42 0°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.64	+21 12.6	2.453	3.242	12.2	21.6
11 17	5 49.08	+21 6.6	2.348	3.225	9.5	21.4
11 27	5 42.44	+21 0.4	2.268	3.208	6.4	21.2
12 7	5 34.24	+20 53.8	2.214	3.190	2.8	20.9
12 17	5 25.24	+20 46.9	2.191	3.173	1.3	20.8
12 27	5 16.38	+20 40.4	2.197	3.155	4.9	21.0
1 6	5 8.56	+20 35.2	2.233	3.137	8.4	21.2
1 16	5 2.52	+20 32.6	2.295	3.119	11.5	21.4

72996 2002 EZ_{12} 12 14.4 303°.00 2°.6/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.59	+19 35.7	1.300	2.123	19.1	19.8
11 17	5 53.04	+19 3.4	1.217	2.111	15.1	19.5
11 27	5 45.91	+18 30.9	1.153	2.099	10.3	19.2
12 7	5 35.99	+17 59.7	1.112	2.088	5.0	18.8
12 17	5 24.61	+17 31.9	1.097	2.077	3.2	18.7
12 27	5 13.60	+17 10.3	1.107	2.066	8.2	19.0
1 6	5 4.63	+16 57.5	1.142	2.056	13.6	19.2
1 16	4 58.91	+16 55.2	1.197	2.046	18.3	19.5

283277 Faber 12 14.4 164°.60 1°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.97	+19 40.7	1.998	2.787	14.6	21.9
11 17	5 53.43	+19 35.5	1.915	2.792	11.4	21.7
11 27	5 45.38	+19 31.6	1.856	2.796	7.6	21.5
12 7	5 35.52	+19 28.8	1.824	2.800	3.5	21.3
12 17	5 24.82	+19 26.8	1.821	2.803	1.8	21.2
12 27	5 14.50	+19 26.5	1.849	2.806	5.7	21.4
1 6	5 5.65	+19 28.5	1.905	2.808	9.6	21.7
1 16	4 59.07	+19 34.1	1.985	2.809	13.1	21.9

262316 2006 TW_{18} 12 14.4 20°.65 1°.1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.38	+21 48.7	1.836	2.638	15.2	20.6
11 17	5 50.89	+21 24.1	1.755	2.639	11.8	20.3
11 27	5 43.80	+20 57.8	1.697	2.641	7.8	20.1
12 7	5 34.85	+20 30.5	1.665	2.642	3.5	19.9
12 17	5 25.07	+20 3.1	1.662	2.644	1.7	19.7
12 27	5 15.71	+19 37.5	1.687	2.645	6.0	20.0
1 6	5 7.90	+19 16.1	1.739	2.647	10.1	20.3
1 16	5 2.44	+19 0.6	1.816	2.649	13.7	20.5

52909 1998 SZ_{86} 12 14.4 93°.47 3°.4/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.44	+14 35.2	2.271	3.059	13.1	19.1
11 17	5 48.73	+13 55.3	2.196	3.068	10.3	18.9
11 27	5 42.04	+13 18.6	2.144	3.078	7.2	18.7
12 7	5 33.99	+12 47.0	2.120	3.087	4.3	18.6
12 17	5 25.38	+12 22.4	2.125	3.096	3.6	18.5
12 27	5 17.14	+12 6.2	2.160	3.105	6.0	18.7
1 6	5 10.09	+11 59.2	2.223	3.114	9.1	18.9
1 16	5 4.85	+12 1.3	2.311	3.123	11.9	19.1

523265 2017 AB_{24} 12 14.4 116°.69 1°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.35	+26 52.9	2.095	2.884	14.0	21.3
11 17	5 52.26	+27 19.5	2.014	2.890	10.9	21.1
11 27	5 44.65	+27 43.6	1.957	2.895	7.4	20.9
12 7	5 35.22	+28 2.6	1.927	2.901	3.6	20.7
12 17	5 24.93	+28 14.6	1.925	2.906	2.0	20.6
12 27	5 14.99	+28 19.4	1.954	2.911	5.4	20.8
1 6	5 6.51	+28 18.3	2.011	2.916	9.1	21.0
1 16	5 0.27	+28 13.8	2.093	2.921	12.3	21.3

405686 2005 UX_{305} 12 14.4 27°.89 0°.1/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.94	+23 21.5	1.910	2.711	14.7	21.7
11 17	5 50.51	+23 17.0	1.831	2.714	11.4	21.5
11 27	5 43.53	+23 10.8	1.774	2.717	7.6	21.3
12 7	5 34.73	+23 2.5	1.743	2.720	3.3	21.0
12 17	5 25.11	+22 51.8	1.740	2.724	1.2	20.8
12 27	5 15.89	+22 39.8	1.767	2.727	5.6	21.2
1 6	5 8.16	+22 28.1	1.821	2.731	9.6	21.4
1 16	5 2.72	+22 18.7	1.899	2.735	13.1	21.6

48410 Kolmogorov 12 14.4 55°.83 6°.0/15.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.58	+40 15.6	2.143	2.905	14.6	18.3
11 17	5 54.20	+40 58.9	2.077	2.922	12.0	18.1
11 27	5 45.99	+41 30.4	2.034	2.939	9.2	18.0
12 7	5 35.78	+41 45.3	2.015	2.956	6.8	17.9
12 17	5 24.76	+41 40.8	2.024	2.973	6.1	17.9
12 27	5 14.32	+41 17.3	2.061	2.991	7.4	18.0
1 6	5 5.68	+40 38.6	2.125	3.008	9.8	18.2
1 16	4 59.65	+39 50.5	2.214	3.026	12.3	18.4

289793 2005 JM_{118} 12 14.4 349°.80 5°.0/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.49	+31 0.7	1.634	2.433	16.9	19.7
11 17	5 55.09	+32 23.1	1.554	2.430	13.6	19.5
11 27	5 47.22	+33 43.3	1.495	2.427	9.7	19.2
12 7	5 36.57	+34 54.3	1.461	2.425	6.1	19.0
12 17	5 24.41	+35 49.6	1.454	2.423	5.2	19.0
12 27	5 12.47	+36 25.5	1.475	2.422	8.0	19.1
1 6	5 2.43	+36 43.3	1.522	2.421	11.9	19.4
1 16	4 55.53	+36 47.4	1.592	2.421	15.5	19.6

381015 2006 UA_{152} 12 14.4 177°.60 0°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.36	+22 28.7	1.799	2.592	15.8	21.8
11 17	5 55.74	+22 49.6	1.716	2.594	12.4	21.6
11 27	5 47.17	+23 11.3	1.654	2.595	8.2	21.3
12 7	5 36.39	+23 31.8	1.619	2.596	3.6	21.1
12 17	5 24.53	+23 49.0	1.613	2.596	1.3	20.9
12 27	5 13.02	+24 2.3	1.637	2.596	6.0	21.2
1 6	5 3.18	+24 12.6	1.688	2.595	10.4	21.5
1 16	4 55.98	+24 21.8	1.764	2.593	14.2	21.7

379987 2012 TK_{294} 12 14.4 201°.44 0°.6/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.68	+22 48.5	1.959	2.751	14.7	21.4
11 17	5 53.37	+22 30.6	1.870	2.748	11.5	21.2
11 27	5 45.44	+22 10.5	1.803	2.744	7.7	20.9
12 7	5 35.59	+21 47.9	1.764	2.740	3.4	20.7
12 17	5 24.83	+21 23.2	1.753	2.736	1.4	20.5
12 27	5 14.43	+20 58.3	1.773	2.731	5.8	20.8
1 6	5 5.54	+20 35.3	1.821	2.726	9.9	21.0
1 16	4 59.01	+20 16.6	1.893	2.720	13.5	21.2

192264 2008 HH_{38} 12 14.4 204°.76 0°.9/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.04	+21 25.3	1.912	2.702	15.1	21.5
11 17	5 54.53	+21 16.0	1.821	2.698	11.8	21.3
11 27	5 46.28	+21 6.2	1.752	2.693	7.9	21.0
12 7	5 35.98	+20 55.4	1.710	2.687	3.5	20.7
12 17	5 24.69	+20 43.7	1.698	2.680	1.6	20.6
12 27	5 13.69	+20 32.1	1.715	2.673	6.0	20.9
1 6	5 4.23	+20 22.2	1.760	2.665	10.2	21.1
1 16	4 57.20	+20 16.0	1.830	2.656	13.9	21.3

205201 2000 EG_{138} 12 14.4 140°.54 6°.8/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.80	+ 4 11.3	2.153	2.919	14.4	20.6
11 17	5 49.86	+ 3 26.1	2.080	2.927	11.9	20.4
11 27	5 42.85	+ 2 51.8	2.029	2.934	9.3	20.3
12 7	5 34.38	+ 2 31.8	2.005	2.940	7.3	20.2
12 17	5 25.28	+ 2 28.6	2.007	2.947	6.9	20.2
12 27	5 16.52	+ 2 42.9	2.038	2.953	8.5	20.3
1 6	5 8.99	+ 3 13.3	2.096	2.958	10.9	20.4
1 16	5 3.33	+ 3 57.4	2.178	2.964	13.4	20.6

321175 2008 WF_{8} 12 14.4 23°.16 0°.8/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.78	+21 8.9	1.998	2.800	14.1	20.6
11 17	5 48.67	+21 3.5	1.922	2.806	11.0	20.4
11 27	5 42.24	+20 58.4	1.869	2.812	7.2	20.2
12 7	5 34.16	+20 53.4	1.842	2.819	3.2	20.0
12 17	5 25.36	+20 48.7	1.844	2.826	1.4	19.9
12 27	5 16.94	+20 44.8	1.874	2.834	5.4	20.2
1 6	5 9.89	+20 42.9	1.932	2.842	9.2	20.4
1 16	5 4.94	+20 44.0	2.015	2.850	12.5	20.6

333693 2008 UG_{217} 12 14.4 214°.64 1°.4/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.12	+27 36.7	2.705	3.484	11.5	21.6
11 17	5 50.07	+27 53.2	2.609	3.478	9.0	21.4
11 27	5 43.00	+28 6.7	2.537	3.472	6.1	21.2
12 7	5 34.48	+28 15.6	2.493	3.466	3.0	21.0
12 17	5 25.24	+28 18.7	2.479	3.460	1.7	20.9
12 27	5 16.19	+28 16.1	2.497	3.453	4.5	21.1
1 6	5 8.19	+28 8.8	2.544	3.446	7.6	21.3
1 16	5 1.94	+27 58.9	2.617	3.438	10.4	21.4

314260 2005 QA_{139} 12 14.4 149°.56 3°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.32	+31 40.7	2.174	2.954	13.8	21.1
11 17	5 53.05	+32 6.2	2.091	2.958	11.0	20.9
11 27	5 45.20	+32 25.6	2.031	2.961	7.7	20.7
12 7	5 35.48	+32 35.8	1.997	2.964	4.4	20.6
12 17	5 24.90	+32 34.7	1.993	2.967	3.2	20.5
12 27	5 14.69	+32 22.4	2.018	2.970	5.8	20.6
1 6	5 5.98	+32 1.4	2.072	2.973	9.1	20.9
1 16	4 59.58	+31 35.5	2.150	2.975	12.2	21.1

70213 1999 RB_{40} 12 14.4 145°.75 6°.2/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.41	+40 23.7	2.258	3.006	14.3	20.0
11 17	5 58.77	+41 21.8	2.182	3.017	11.8	19.8
11 27	5 49.12	+42 9.1	2.128	3.027	9.2	19.7
12 7	5 37.22	+42 39.9	2.100	3.037	6.9	19.5
12 17	5 24.29	+42 50.0	2.101	3.046	6.3	19.5
12 27	5 11.81	+42 39.0	2.131	3.054	7.6	19.6
1 6	5 1.15	+42 10.2	2.189	3.062	10.0	19.8
1 16	4 53.24	+41 29.5	2.271	3.069	12.5	20.0

137357 1999 TQ_{108} 12 14.4 91°.90 0°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.30	+23 50.3	1.488	2.292	18.0	20.1
11 17	5 56.61	+23 38.7	1.427	2.312	14.0	19.9
11 27	5 47.69	+23 24.5	1.387	2.331	9.2	19.7
12 7	5 36.54	+23 6.6	1.372	2.350	4.0	19.4
12 17	5 24.57	+22 45.4	1.385	2.368	1.4	19.3
12 27	5 13.41	+22 22.6	1.426	2.386	6.6	19.7
1 6	5 4.42	+22 1.4	1.493	2.404	11.2	20.0
1 16	4 58.44	+21 44.6	1.584	2.421	15.2	20.3

384743 2011 MY_{4} 12 14.4 220°.13 3°.4/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.88	+14 11.0	1.868	2.659	15.4	21.0
11 17	5 52.86	+14 1.5	1.778	2.652	12.2	20.8
11 27	5 45.20	+13 57.9	1.710	2.646	8.5	20.6
12 7	5 35.55	+14 1.4	1.669	2.638	4.8	20.3
12 17	5 24.88	+14 12.4	1.655	2.631	3.6	20.2
12 27	5 14.45	+14 31.2	1.671	2.622	6.8	20.4
1 6	5 5.44	+14 57.3	1.715	2.614	10.8	20.6
1 16	4 58.76	+15 30.0	1.783	2.605	14.4	20.8

69530 1997 GN_{13} 12 14.4 325°.41 6°.0/14.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.53	+35 7.3	1.572	2.369	17.6	20.0
11 17	5 54.60	+36 3.3	1.487	2.359	14.3	19.7
11 27	5 47.03	+36 51.3	1.423	2.350	10.6	19.5
12 7	5 36.54	+37 24.7	1.383	2.342	7.2	19.3
12 17	5 24.51	+37 38.0	1.368	2.333	6.1	19.2
12 27	5 12.80	+37 29.5	1.380	2.326	8.6	19.3
1 6	5 3.19	+37 2.8	1.417	2.318	12.4	19.5
1 16	4 56.90	+36 24.7	1.476	2.312	16.1	19.7

21175 1994 CP_{12} 12 14.4 220°.71 1°.9/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.30	+27 38.8	1.763	2.556	16.1	19.1
11 17	5 55.99	+27 55.3	1.672	2.549	12.7	18.9
11 27	5 47.52	+28 7.9	1.603	2.542	8.7	18.6
12 7	5 36.63	+28 13.5	1.559	2.534	4.2	18.4
12 17	5 24.50	+28 9.7	1.544	2.525	2.3	18.2
12 27	5 12.68	+27 56.9	1.558	2.516	6.4	18.5
1 6	5 2.63	+27 37.5	1.599	2.507	10.9	18.7
1 16	4 55.39	+27 15.9	1.664	2.496	14.8	18.9

431720 2008 EF_{152} 12 14.4 150°.69 3°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.22	+15 6.4	1.757	2.550	16.1	22.0
11 17	5 53.81	+14 25.7	1.682	2.557	12.7	21.8
11 27	5 45.71	+13 48.5	1.629	2.564	8.8	21.6
12 7	5 35.71	+13 17.1	1.602	2.570	5.1	21.4
12 17	5 24.88	+12 53.7	1.603	2.576	4.2	21.4
12 27	5 14.53	+12 40.3	1.633	2.581	7.3	21.6
1 6	5 5.81	+12 37.6	1.690	2.585	11.2	21.8
1 16	4 59.56	+12 45.6	1.771	2.589	14.6	22.0

397594 2007 VP_{52} 12 14.4 24°.69 4°.5/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.76	+28 37.0	1.546	2.348	17.6	20.1
11 17	5 56.12	+30 11.6	1.473	2.353	13.9	19.9
11 27	5 47.92	+31 46.3	1.422	2.358	9.8	19.7
12 7	5 36.91	+33 13.5	1.397	2.364	5.8	19.5
12 17	5 24.41	+34 25.8	1.399	2.371	4.8	19.4
12 27	5 12.22	+35 18.8	1.429	2.378	8.0	19.6
1 6	5 2.05	+35 53.1	1.485	2.386	12.0	19.9
1 16	4 55.13	+36 12.7	1.563	2.394	15.7	20.1

172980 2006 HG_{26} 12 14.4 89°.33 3°.9/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.61	+31 24.7	1.952	2.728	15.3	20.0
11 17	5 58.03	+32 27.6	1.892	2.755	12.1	19.8
11 27	5 48.52	+33 24.7	1.855	2.783	8.5	19.6
12 7	5 36.93	+34 10.8	1.845	2.809	5.1	19.5
12 17	5 24.47	+34 41.9	1.865	2.835	4.1	19.5
12 27	5 12.61	+34 57.2	1.914	2.861	6.5	19.7
1 6	5 2.62	+34 59.1	1.992	2.886	9.8	19.9
1 16	4 55.37	+34 51.9	2.094	2.910	12.8	20.2

133101 2003 OJ_{2} 12 14.4 124°.02 1°.4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.47	+19 15.5	1.602	2.399	17.3	20.6
11 17	5 56.63	+19 20.8	1.533	2.413	13.5	20.4
11 27	5 47.73	+19 29.0	1.486	2.427	9.0	20.2
12 7	5 36.62	+19 39.2	1.465	2.441	4.1	19.9
12 17	5 24.58	+19 50.4	1.472	2.454	2.0	19.8
12 27	5 13.13	+20 2.4	1.508	2.466	6.6	20.1
1 6	5 3.61	+20 16.0	1.571	2.477	11.1	20.4
1 16	4 56.93	+20 32.0	1.657	2.488	14.9	20.7

51073 2000 GQ_{160} 12 14.4 352°.55 8°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.39	+36 29.6	1.438	2.240	18.7	18.1
11 17	5 55.04	+38 12.1	1.363	2.234	15.4	17.9
11 27	5 47.66	+39 48.0	1.307	2.229	11.9	17.6
12 7	5 36.95	+41 7.7	1.275	2.225	8.9	17.5
12 17	5 24.38	+42 2.2	1.268	2.222	8.3	17.4
12 27	5 12.06	+42 27.4	1.287	2.220	10.5	17.5
1 6	5 2.07	+42 26.1	1.328	2.220	13.9	17.7
1 16	4 55.84	+42 5.5	1.391	2.220	17.3	18.0

85046 6126 $P\text{–}L$ 12 14.4 47°.09 5°.3/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.33	+32 50.9	1.184	2.000	21.1	18.9
11 17	5 57.83	+33 37.3	1.134	2.019	16.7	18.7
11 27	5 49.09	+34 13.4	1.102	2.039	11.8	18.5
12 7	5 37.31	+34 32.3	1.092	2.059	7.2	18.3
12 17	5 24.37	+34 29.8	1.107	2.080	5.5	18.3
12 27	5 12.52	+34 7.2	1.147	2.102	8.7	18.5
1 6	5 3.56	+33 30.7	1.211	2.124	13.1	18.8
1 16	4 58.49	+32 48.3	1.296	2.146	17.1	19.1

345318 2005 YG_{22} 12 14.4 320°.16 1°.0/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.78	+25 37.0	1.359	2.182	18.4	21.1
11 17	5 51.81	+25 39.4	1.269	2.164	14.6	20.8
11 27	5 45.25	+25 38.3	1.198	2.146	9.9	20.5
12 7	5 35.81	+25 31.6	1.151	2.128	4.5	20.1
12 17	5 24.80	+25 18.0	1.129	2.112	1.8	19.9
12 27	5 14.02	+24 58.4	1.133	2.096	7.4	20.2
1 6	5 5.23	+24 36.1	1.161	2.080	12.9	20.5
1 16	4 59.70	+24 15.2	1.210	2.066	17.6	20.7

372757 2010 CT_{21} 12 14.4 310°.08 0°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.08	+23 56.7	2.185	2.981	13.3	21.3
11 17	5 48.95	+23 57.3	2.087	2.968	10.4	21.1
11 27	5 42.52	+23 56.2	2.013	2.955	6.9	20.9
12 7	5 34.37	+23 52.7	1.966	2.943	3.0	20.6
12 17	5 25.35	+23 46.4	1.947	2.930	1.1	20.4
12 27	5 16.52	+23 37.8	1.958	2.918	5.1	20.7
1 6	5 8.92	+23 28.3	1.997	2.906	8.9	20.9
1 16	5 3.32	+23 19.8	2.061	2.895	12.3	21.1

213284 2001 PT_{48} 12 14.4 216°.93 2°.3/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.46	+17 55.8	2.533	3.312	12.1	21.5
11 17	5 51.04	+17 18.2	2.433	3.302	9.5	21.4
11 27	5 43.63	+16 40.5	2.357	3.292	6.5	21.1
12 7	5 34.78	+16 3.8	2.310	3.281	3.4	20.9
12 17	5 25.23	+15 29.9	2.293	3.270	2.6	20.9
12 27	5 15.90	+15 0.5	2.308	3.257	5.3	21.0
1 6	5 7.65	+14 37.3	2.352	3.245	8.6	21.2
1 16	5 1.14	+14 21.4	2.423	3.231	11.5	21.4

343763 2011 FQ_{120} 12 14.4 173°.51 1°.4/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.12	+27 0.2	1.989	2.774	14.8	22.5
11 17	5 55.31	+27 9.1	1.904	2.777	11.6	22.3
11 27	5 46.76	+27 14.2	1.842	2.780	7.8	22.1
12 7	5 36.21	+27 13.2	1.807	2.782	3.7	21.9
12 17	5 24.73	+27 4.7	1.801	2.783	1.7	21.7
12 27	5 13.66	+26 49.5	1.826	2.784	5.7	22.0
1 6	5 4.19	+26 30.0	1.879	2.784	9.6	22.2
1 16	4 57.21	+26 9.4	1.957	2.783	13.1	22.4

26435 1999 XS_{241} 12 14.4 316°.42 3°.4/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.59	+16 44.9	1.294	2.119	19.1	18.3
11 17	5 51.57	+16 27.1	1.208	2.103	15.2	18.0
11 27	5 45.04	+16 14.0	1.142	2.088	10.5	17.7
12 7	5 35.72	+16 7.5	1.098	2.073	5.5	17.3
12 17	5 24.86	+16 8.8	1.079	2.058	3.8	17.2
12 27	5 14.22	+16 19.0	1.086	2.045	8.4	17.4
1 6	5 5.50	+16 38.4	1.116	2.031	13.7	17.7
1 16	4 59.95	+17 6.5	1.167	2.019	18.4	17.9

68240 2001 DW_{55} 12 14.4 93°.88 0°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.22	+20 57.0	2.315	3.104	12.9	20.2
11 17	5 50.14	+20 52.0	2.243	3.120	9.9	20.1
11 27	5 43.01	+20 47.2	2.195	3.135	6.6	19.9
12 7	5 34.47	+20 42.3	2.175	3.151	2.9	19.7
12 17	5 25.37	+20 37.4	2.184	3.166	1.3	19.6
12 27	5 16.66	+20 33.2	2.224	3.181	4.8	19.9
1 6	5 9.20	+20 30.6	2.292	3.196	8.2	20.1
1 16	5 3.64	+20 30.5	2.387	3.211	11.1	20.3

176173 2001 KR_{67} 12 14.4 163°.17 9°.7/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.77	− 5 28.3	2.068	2.790	16.2	20.5
11 17	5 53.80	− 6 1.0	1.995	2.797	14.0	20.3
11 27	5 45.53	− 6 14.8	1.942	2.803	11.9	20.2
12 7	5 35.62	− 6 5.1	1.914	2.808	10.2	20.1
12 17	5 24.98	− 5 29.5	1.911	2.813	9.8	20.1
12 27	5 14.70	− 4 28.7	1.937	2.816	10.8	20.2
1 6	5 5.77	− 3 6.3	1.988	2.819	12.8	20.3
1 16	4 58.92	− 1 28.1	2.064	2.821	14.9	20.5

176823 2002 TD_{108} 12 14.4 48°.96 7°.9/16.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.65	+41 41.9	1.572	2.347	18.5	19.0
11 17	5 58.33	+42 32.7	1.517	2.368	15.3	18.8
11 27	5 49.17	+43 7.1	1.483	2.389	11.9	18.7
12 7	5 37.30	+43 17.9	1.471	2.411	9.0	18.6
12 17	5 24.43	+43 1.3	1.484	2.432	7.9	18.5
12 27	5 12.55	+42 18.7	1.524	2.455	9.4	18.7
1 6	5 3.30	+41 17.2	1.588	2.477	12.2	18.9
1 16	4 57.59	+40 5.7	1.676	2.500	15.1	19.1

24057 1999 TG_{76} 12 14.4 170°.40 0°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.63	+23 13.0	1.905	2.701	15.0	19.4
11 17	5 52.64	+23 8.8	1.822	2.702	11.7	19.2
11 27	5 45.02	+23 3.1	1.761	2.703	7.7	18.9
12 7	5 35.46	+22 55.1	1.727	2.704	3.4	18.7
12 17	5 25.02	+22 44.5	1.722	2.705	1.2	18.5
12 27	5 14.97	+22 32.2	1.746	2.705	5.7	18.8
1 6	5 6.45	+22 20.1	1.798	2.706	9.8	19.1
1 16	5 0.31	+22 10.3	1.874	2.706	13.4	19.3

514781 2007 GS_{18} 12 14.4 194°.62 1°.2/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.10	+26 15.8	2.003	2.790	14.6	22.7
11 17	5 54.58	+26 28.1	1.914	2.789	11.5	22.4
11 27	5 46.33	+26 37.5	1.848	2.786	7.7	22.2
12 7	5 36.06	+26 41.7	1.808	2.783	3.6	22.0
12 17	5 24.81	+26 39.3	1.798	2.780	1.6	21.8
12 27	5 13.87	+26 30.6	1.817	2.776	5.6	22.1
1 6	5 4.47	+26 17.6	1.865	2.771	9.7	22.3
1 16	4 57.49	+26 3.3	1.939	2.766	13.2	22.5

13347 1998 SF_{136} 12 14.4 157°.79 0°.3/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 1.25	+22 10.1	2.034	2.818	14.5	19.8
11 17	5 55.21	+22 16.3	1.953	2.826	11.3	19.6
11 27	5 46.59	+22 22.2	1.895	2.834	7.5	19.4
12 7	5 36.13	+22 26.7	1.865	2.841	3.3	19.1
12 17	5 24.83	+22 28.9	1.865	2.848	1.2	19.0
12 27	5 13.94	+22 29.1	1.895	2.853	5.5	19.3
1 6	5 4.57	+22 28.6	1.954	2.857	9.4	19.6
1 16	4 57.53	+22 29.1	2.038	2.861	12.8	19.8

478421 2012 GA_{3} 12 14.4 245°.87 1°.6/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.07	+26 12.1	1.506	2.311	17.8	22.2
11 17	5 56.36	+26 31.1	1.418	2.302	14.1	22.0
11 27	5 48.10	+26 47.6	1.351	2.293	9.5	21.7
12 7	5 37.03	+26 58.4	1.308	2.284	4.5	21.4
12 17	5 24.48	+27 0.7	1.292	2.274	2.1	21.2
12 27	5 12.22	+26 54.4	1.303	2.263	7.1	21.5
1 6	5 1.96	+26 41.9	1.341	2.253	12.1	21.7
1 16	4 54.91	+26 27.5	1.401	2.242	16.6	22.0

69941 1998 UL_{30} 12 14.4 105°.80 1°.0/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.99	+18 39.8	2.340	3.127	12.8	19.0
11 17	5 50.07	+18 57.6	2.258	3.133	9.9	18.8
11 27	5 43.07	+19 18.4	2.200	3.139	6.6	18.6
12 7	5 34.57	+19 41.3	2.170	3.146	3.0	18.4
12 17	5 25.38	+20 5.5	2.170	3.152	1.4	18.3
12 27	5 16.45	+20 30.3	2.200	3.158	4.9	18.5
1 6	5 8.68	+20 55.5	2.260	3.164	8.3	18.7
1 16	5 2.77	+21 21.2	2.345	3.170	11.3	19.0

107848 2001 FE_{76} 12 14.4 145°.42 4°.2/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.11	+34 25.0	2.287	3.053	13.7	20.5
11 17	5 55.97	+35 12.3	2.207	3.062	11.0	20.3
11 27	5 47.17	+35 52.6	2.152	3.072	7.9	20.2
12 7	5 36.41	+36 21.7	2.123	3.081	5.2	20.0
12 17	5 24.74	+36 36.2	2.124	3.089	4.3	20.0
12 27	5 13.44	+36 35.7	2.154	3.096	6.3	20.1
1 6	5 3.69	+36 22.5	2.214	3.104	9.2	20.3
1 16	4 56.34	+36 0.7	2.299	3.110	11.9	20.5

163043 2001 XC_{211} 12 14.4 27°.14 3°.1/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.55	+16 18.1	1.144	1.972	20.8	19.4
11 17	5 53.94	+16 16.7	1.080	1.977	16.4	19.1
11 27	5 46.55	+16 23.1	1.035	1.982	11.2	18.9
12 7	5 36.32	+16 38.0	1.012	1.987	5.6	18.6
12 17	5 24.77	+17 0.8	1.013	1.993	3.5	18.5
12 27	5 13.84	+17 30.6	1.040	2.000	8.4	18.8
1 6	5 5.26	+18 6.3	1.090	2.007	13.7	19.1
1 16	5 0.14	+18 46.6	1.160	2.015	18.3	19.4

322125 2010 VY_{173} 12 14.4 129°.27 1°.2/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.85	+26 21.0	1.637	2.431	17.1	21.2
11 17	5 57.79	+26 25.2	1.567	2.445	13.3	21.0
11 27	5 48.54	+26 25.3	1.518	2.458	8.9	20.8
12 7	5 37.01	+26 18.8	1.495	2.471	4.1	20.5
12 17	5 24.56	+26 4.6	1.500	2.483	1.7	20.4
12 27	5 12.77	+25 44.1	1.535	2.494	6.3	20.7
1 6	5 3.04	+25 20.6	1.597	2.505	10.8	21.0
1 16	4 56.26	+24 57.8	1.682	2.515	14.6	21.3

266554 2008 GU_{34} 12 14.4 157°.90 1°.0/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.53	+25 32.8	1.776	2.569	16.0	21.7
11 17	5 55.90	+25 42.7	1.697	2.574	12.5	21.4
11 27	5 47.29	+25 49.9	1.640	2.580	8.4	21.2
12 7	5 36.50	+25 52.0	1.608	2.584	3.8	20.9
12 17	5 24.72	+25 47.8	1.606	2.589	1.6	20.8
12 27	5 13.40	+25 37.7	1.633	2.592	6.0	21.1
1 6	5 3.87	+25 24.2	1.687	2.595	10.4	21.4
1 16	4 57.05	+25 10.3	1.766	2.598	14.1	21.6

202204 2004 XK_{88} 12 14.4 355°.16 1°.3/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.65	+25 28.7	1.406	2.225	18.1	19.5
11 17	5 52.17	+25 46.0	1.329	2.222	14.2	19.3
11 27	5 45.27	+26 1.2	1.273	2.219	9.6	19.0
12 7	5 35.77	+26 11.7	1.241	2.218	4.4	18.7
12 17	5 24.98	+26 15.5	1.234	2.217	1.9	18.5
12 27	5 14.64	+26 12.6	1.254	2.216	7.0	18.8
1 6	5 6.33	+26 5.2	1.299	2.217	11.9	19.1
1 16	5 1.12	+25 56.8	1.366	2.218	16.3	19.4

450693 2006 WJ_{79} 12 14.4 81°.00 1°.9/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.90	+27 51.4	1.932	2.725	14.9	21.5
11 17	5 52.85	+28 8.3	1.858	2.735	11.6	21.3
11 27	5 45.14	+28 21.0	1.807	2.746	7.8	21.1
12 7	5 35.53	+28 27.2	1.782	2.756	3.9	20.9
12 17	5 25.10	+28 25.3	1.786	2.767	2.1	20.8
12 27	5 15.13	+28 15.9	1.819	2.777	5.7	21.1
1 6	5 6.79	+28 1.1	1.880	2.788	9.5	21.3
1 16	5 0.89	+27 44.2	1.965	2.798	12.8	21.6

216901 2009 HO_{88} 12 14.4 214°.59 1°.2/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.86	+21 34.1	1.641	2.440	16.8	21.1
11 17	5 55.65	+21 14.3	1.553	2.435	13.2	20.9
11 27	5 47.30	+20 53.1	1.487	2.429	8.9	20.6
12 7	5 36.59	+20 30.5	1.445	2.422	4.0	20.3
12 17	5 24.71	+20 7.0	1.432	2.415	1.9	20.1
12 27	5 13.19	+19 44.5	1.448	2.407	6.8	20.4
1 6	5 3.46	+19 25.7	1.491	2.398	11.5	20.7
1 16	4 56.54	+19 12.9	1.557	2.389	15.6	20.9

348301 2004 YM_{23} 12 14.4 356°.23 3°.1/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.41	+16 3.4	1.200	2.035	19.6	20.3
11 17	5 49.14	+16 4.3	1.129	2.029	15.5	20.1
11 27	5 43.40	+16 13.3	1.077	2.025	10.6	19.8
12 7	5 35.00	+16 31.4	1.046	2.022	5.4	19.5
12 17	5 25.25	+16 58.4	1.040	2.020	3.5	19.3
12 27	5 15.92	+17 33.2	1.059	2.020	8.1	19.6
1 6	5 8.62	+18 14.3	1.101	2.021	13.3	19.9
1 16	5 4.49	+19 0.0	1.163	2.024	17.8	20.2

311298 2005 HH_{9} 12 14.4 133°.04 1°.1/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.75	+24 22.4	2.212	2.994	13.6	21.1
11 17	5 53.97	+25 2.7	2.133	3.005	10.6	20.9
11 27	5 45.77	+25 42.9	2.078	3.015	7.0	20.7
12 7	5 35.80	+26 20.3	2.050	3.025	3.2	20.5
12 17	5 25.00	+26 52.4	2.053	3.035	1.5	20.4
12 27	5 14.51	+27 18.1	2.087	3.044	5.1	20.6
1 6	5 5.39	+27 37.7	2.150	3.052	8.7	20.9
1 16	4 58.44	+27 52.9	2.238	3.061	11.8	21.1

68813 2002 GR_{64} 12 14.4 100°.58 4°.3/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.28	+11 49.0	2.240	3.024	13.3	19.9
11 17	5 48.70	+11 5.2	2.163	3.031	10.6	19.8
11 27	5 42.12	+10 26.3	2.110	3.037	7.6	19.6
12 7	5 34.15	+ 9 54.9	2.083	3.043	5.0	19.4
12 17	5 25.59	+ 9 33.1	2.086	3.049	4.5	19.4
12 27	5 17.36	+ 9 22.3	2.117	3.055	6.7	19.6
1 6	5 10.30	+ 9 22.9	2.176	3.061	9.5	19.7
1 16	5 5.06	+ 9 34.1	2.260	3.067	12.3	19.9

411023 2009 UX_{105} 12 14.4 38°.20 2°.7/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.68	+31 46.9	1.881	2.673	15.2	20.4
11 17	5 51.97	+31 42.8	1.810	2.685	12.0	20.3
11 27	5 44.54	+31 30.2	1.761	2.697	8.3	20.1
12 7	5 35.25	+31 6.9	1.738	2.709	4.5	19.9
12 17	5 25.22	+30 32.6	1.743	2.722	2.8	19.8
12 27	5 15.80	+29 49.4	1.777	2.735	5.8	20.0
1 6	5 8.11	+29 1.3	1.839	2.748	9.5	20.2
1 16	5 2.92	+28 13.0	1.925	2.762	12.9	20.5

514727 2006 WK_{36} 12 14.4 45°.27 2°.7/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.32	+17 25.5	1.175	2.001	20.6	20.9
11 17	5 54.20	+17 19.7	1.122	2.018	16.0	20.6
11 27	5 46.47	+17 19.7	1.088	2.035	10.8	20.4
12 7	5 36.19	+17 25.8	1.077	2.052	5.2	20.2
12 17	5 24.91	+17 37.7	1.090	2.071	3.1	20.1
12 27	5 14.47	+17 55.3	1.129	2.090	7.9	20.4
1 6	5 6.41	+18 18.2	1.193	2.109	12.9	20.8
1 16	5 1.65	+18 45.9	1.277	2.129	17.2	21.1

377228 2003 YD_{175} 12 14.4 39°.93 0°.1/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.80	+21 58.2	1.291	2.111	19.4	20.6
11 17	5 54.68	+22 19.1	1.224	2.118	15.1	20.3
11 27	5 46.94	+22 42.0	1.177	2.124	10.1	20.0
12 7	5 36.49	+23 4.6	1.154	2.132	4.4	19.7
12 17	5 24.78	+23 24.4	1.156	2.139	1.5	19.6
12 27	5 13.68	+23 40.6	1.185	2.148	7.3	20.0
1 6	5 4.83	+23 54.2	1.239	2.156	12.4	20.3
1 16	4 59.29	+24 7.3	1.314	2.165	16.8	20.6

284586 2007 TR_{182} 12 14.4 31°.51 6°.9/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.21	+ 8 39.3	1.292	2.107	19.7	19.2
11 17	5 50.56	+ 8 5.1	1.242	2.124	15.8	19.0
11 27	5 43.84	+ 7 44.8	1.210	2.142	11.6	18.8
12 7	5 35.00	+ 7 42.1	1.201	2.160	8.0	18.6
12 17	5 25.34	+ 7 58.7	1.216	2.180	7.0	18.6
12 27	5 16.38	+ 8 34.0	1.257	2.201	9.6	18.8
1 6	5 9.41	+ 9 24.7	1.322	2.222	13.3	19.1
1 16	5 5.25	+10 26.4	1.408	2.244	16.8	19.4

299656 2006 MP_{3} 12 14.4 218°.35 5°.3/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.73	+ 7 27.6	2.184	2.954	14.1	20.9
11 17	5 51.58	+ 7 12.3	2.091	2.946	11.5	20.7
11 27	5 44.20	+ 7 6.5	2.021	2.938	8.6	20.5
12 7	5 35.15	+ 7 12.6	1.977	2.929	6.0	20.3
12 17	5 25.25	+ 7 31.8	1.962	2.920	5.4	20.2
12 27	5 15.54	+ 8 4.2	1.976	2.910	7.4	20.3
1 6	5 6.97	+ 8 48.3	2.019	2.900	10.4	20.5
1 16	5 0.33	+ 9 41.8	2.087	2.889	13.3	20.7

495086 2011 LA_{17} 12 14.4 226°.09 7°.7/14.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.81	− 7 26.8	3.006	3.703	12.1	21.7
11 17	5 49.42	− 7 36.4	2.914	3.695	10.6	21.5
11 27	5 42.43	− 7 31.0	2.844	3.686	9.1	21.4
12 7	5 34.28	− 7 7.7	2.800	3.678	8.0	21.3
12 17	5 25.58	− 6 25.2	2.783	3.669	7.7	21.3
12 27	5 17.03	− 5 23.8	2.796	3.660	8.4	21.3
1 6	5 9.31	− 4 5.8	2.836	3.651	9.8	21.4
1 16	5 2.97	− 2 34.9	2.902	3.641	11.5	21.5

414297 2008 QY_{45} 12 14.4 71°.09 1°.3/14.1 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.94	+21 48.5	2.233	3.021	13.3	21.3
11 17	5 51.34	+21 5.3	2.172	3.048	10.2	21.2
11 27	5 43.71	+20 20.2	2.136	3.075	6.7	21.0
12 7	5 34.78	+19 34.6	2.127	3.102	3.1	20.8
12 17	5 25.45	+18 50.3	2.148	3.129	1.7	20.8
12 27	5 16.69	+18 9.4	2.200	3.156	5.1	21.0
1 6	5 9.32	+17 34.3	2.282	3.182	8.4	21.3
1 16	5 3.93	+17 6.4	2.389	3.209	11.3	21.5

312756 2010 TZ_{104} 12 14.4 345°.96 1°.2/14.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.29	+26 59.3	1.928	2.724	14.8	21.0
11 17	5 51.71	+27 1.0	1.844	2.723	11.6	20.8
11 27	5 44.48	+26 58.4	1.782	2.723	7.8	20.6
12 7	5 35.31	+26 50.0	1.746	2.722	3.6	20.3
12 17	5 25.24	+26 35.0	1.739	2.721	1.6	20.2
12 27	5 15.54	+26 14.4	1.761	2.720	5.6	20.5
1 6	5 7.39	+25 50.8	1.810	2.720	9.6	20.7
1 16	5 1.63	+25 27.3	1.884	2.720	13.2	20.9

27131 1998 XU_{3} 12 14.4 52°.17 0°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.72	+23 36.8	1.253	2.073	19.9	18.0
11 17	5 55.91	+23 48.6	1.204	2.096	15.4	17.8
11 27	5 47.52	+23 59.3	1.173	2.120	10.1	17.5
12 7	5 36.63	+24 6.6	1.166	2.144	4.4	17.3
12 17	5 24.85	+24 9.1	1.185	2.168	1.5	17.2
12 27	5 14.02	+24 7.4	1.231	2.193	7.1	17.6
1 6	5 5.64	+24 4.0	1.302	2.218	12.0	17.9
1 16	5 0.58	+24 1.6	1.394	2.243	16.1	18.2

459448 2012 VM_{38} 12 14.4 48°.43 13°.9/18.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 7.06	− 9 27.0	0.976	1.742	27.9	20.4
11 17	6 1.63	− 8 56.6	0.920	1.753	24.2	20.2
11 27	5 51.83	− 7 39.4	0.878	1.764	20.1	20.0
12 7	5 38.71	− 5 27.9	0.854	1.777	16.1	19.8
12 17	5 24.09	− 2 23.6	0.852	1.789	14.0	19.7
12 27	5 10.30	+ 1 20.4	0.875	1.803	15.0	19.8
1 6	4 59.38	+ 5 22.7	0.923	1.816	18.3	20.1
1 16	4 52.55	+ 9 23.0	0.993	1.830	22.1	20.4

328695 2009 SA_{357} 12 14.4 109°.97 0°.4/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.78	+22 25.3	2.266	3.057	13.0	21.6
11 17	5 50.02	+22 21.5	2.184	3.061	10.1	21.4
11 27	5 43.09	+22 16.9	2.125	3.066	6.7	21.2
12 7	5 34.64	+22 11.1	2.094	3.071	2.9	20.9
12 17	5 25.50	+22 4.0	2.092	3.075	1.1	20.8
12 27	5 16.69	+21 56.3	2.121	3.080	4.9	21.1
1 6	5 9.12	+21 49.1	2.178	3.084	8.4	21.3
1 16	5 3.50	+21 44.0	2.260	3.088	11.5	21.5

289395 2005 CH_{40} 12 14.4 267°.72 0°.8/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.53	+18 58.8	1.962	2.753	14.8	20.7
11 17	5 53.62	+19 28.4	1.857	2.734	11.6	20.4
11 27	5 45.96	+20 3.1	1.774	2.714	7.8	20.2
12 7	5 36.09	+20 41.6	1.718	2.695	3.5	19.9
12 17	5 24.95	+21 21.7	1.692	2.674	1.4	19.7
12 27	5 13.80	+22 1.7	1.695	2.654	5.9	19.9
1 6	5 3.92	+22 40.7	1.727	2.633	10.3	20.1
1 16	4 56.36	+23 18.5	1.784	2.612	14.1	20.3

42263 2001 PA_{42} 12 14.5 49°.35 2°.1/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.49	+30 3.2	1.667	2.467	16.6	17.8
11 17	5 53.59	+29 53.3	1.603	2.483	13.0	17.6
11 27	5 45.72	+29 35.3	1.559	2.498	8.8	17.4
12 7	5 35.81	+29 7.3	1.541	2.515	4.4	17.1
12 17	5 25.14	+28 29.4	1.550	2.531	2.3	17.0
12 27	5 15.20	+27 44.3	1.588	2.548	6.1	17.3
1 6	5 7.22	+26 56.4	1.653	2.565	10.2	17.6
1 16	5 1.99	+26 10.4	1.742	2.582	13.8	17.9

441091 2007 RT_{221} 12 14.5 92°.63 0°.4/14.4 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.85	+22 33.3	1.880	2.672	15.3	22.6
11 17	5 54.12	+22 27.3	1.816	2.694	11.8	22.5
11 27	5 45.84	+22 20.2	1.776	2.716	7.8	22.3
12 7	5 35.81	+22 11.4	1.761	2.738	3.4	22.0
12 17	5 25.14	+22 0.9	1.777	2.759	1.2	21.9
12 27	5 15.08	+21 49.6	1.821	2.780	5.5	22.3
1 6	5 6.69	+21 39.4	1.894	2.801	9.5	22.5
1 16	5 0.71	+21 31.9	1.992	2.821	12.8	22.8

5593 Jonsujatha 12 14.5 302°.20 4°.4/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.06	+15 1.3	1.385	2.201	18.5	16.7
11 17	5 52.40	+14 28.1	1.301	2.190	14.8	16.4
11 27	5 45.44	+13 59.9	1.238	2.179	10.4	16.1
12 7	5 35.91	+13 39.4	1.197	2.168	5.9	15.8
12 17	5 25.04	+13 29.0	1.183	2.158	4.7	15.7
12 27	5 14.47	+13 30.6	1.194	2.148	8.6	15.9
1 6	5 5.74	+13 44.6	1.230	2.138	13.4	16.2
1 16	4 59.98	+14 10.3	1.287	2.128	17.7	16.4

83026 2001 QZ_{179} 12 14.5 91°.08 4°.6/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 6.30	+33 7.5	1.678	2.460	17.2	19.8
11 17	5 59.79	+33 55.9	1.621	2.486	13.7	19.6
11 27	5 49.92	+34 35.9	1.585	2.512	9.7	19.4
12 7	5 37.67	+35 1.7	1.574	2.537	6.0	19.3
12 17	5 24.51	+35 9.7	1.592	2.562	4.7	19.3
12 27	5 12.17	+35 0.1	1.638	2.586	7.3	19.5
1 6	5 2.08	+34 37.3	1.711	2.609	10.8	19.7
1 16	4 55.16	+34 7.1	1.808	2.632	14.1	20.0

325382 2008 SJ_{230} 12 14.5 172°.39 4°.4/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.45	+ 8 18.3	2.994	3.757	10.8	22.4
11 17	5 47.57	+ 7 36.2	2.910	3.760	8.7	22.3
11 27	5 41.18	+ 6 59.6	2.850	3.763	6.6	22.1
12 7	5 33.74	+ 6 30.5	2.818	3.765	4.8	22.0
12 17	5 25.84	+ 6 10.8	2.817	3.767	4.5	22.0
12 27	5 18.16	+ 6 1.6	2.845	3.768	5.9	22.1
1 6	5 11.32	+ 6 2.9	2.903	3.769	8.1	22.3
1 16	5 5.83	+ 6 14.2	2.986	3.769	10.2	22.4

511804 2015 FB_{76} 12 14.5 216°.36 4°.2/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.53	+31 14.0	1.631	2.424	17.2	22.0
11 17	5 57.43	+32 1.1	1.546	2.420	13.7	21.8
11 27	5 48.79	+32 43.1	1.483	2.416	9.7	21.5
12 7	5 37.39	+33 14.5	1.445	2.412	5.7	21.3
12 17	5 24.54	+33 30.5	1.434	2.408	4.3	21.2
12 27	5 12.04	+33 29.7	1.451	2.403	7.5	21.4
1 6	5 1.55	+33 15.2	1.494	2.398	11.7	21.6
1 16	4 54.25	+32 52.3	1.561	2.393	15.6	21.8

414743 2010 CG_{132} 12 14.5 19°.65 6°.8/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.16	+ 3 45.7	1.891	2.668	15.7	20.1
11 17	5 49.00	+ 3 34.4	1.818	2.673	13.0	19.9
11 27	5 42.55	+ 3 37.5	1.767	2.678	10.0	19.7
12 7	5 34.44	+ 3 57.9	1.741	2.684	7.5	19.6
12 17	5 25.59	+ 4 36.6	1.741	2.691	6.8	19.6
12 27	5 17.08	+ 5 32.4	1.769	2.697	8.5	19.7
1 6	5 9.88	+ 6 42.2	1.823	2.705	11.3	19.9
1 16	5 4.75	+ 8 1.8	1.902	2.713	14.1	20.1

262451 2006 UC_{109} 12 14.5 91°.07 0°.1/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.12	+22 8.6	1.956	2.751	14.7	20.8
11 17	5 52.16	+22 22.5	1.880	2.760	11.4	20.6
11 27	5 44.68	+22 36.9	1.828	2.769	7.5	20.4
12 7	5 35.39	+22 50.4	1.801	2.778	3.3	20.1
12 17	5 25.28	+23 1.9	1.804	2.787	1.1	20.0
12 27	5 15.56	+23 11.2	1.836	2.796	5.4	20.3
1 6	5 7.34	+23 19.2	1.896	2.804	9.4	20.5
1 16	5 1.39	+23 27.2	1.981	2.813	12.8	20.8

27328 Pohlonski 12 14.5 243°.94 3°.5/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.47	+16 17.9	1.626	2.430	16.8	19.2
11 17	5 52.94	+15 44.0	1.542	2.424	13.3	18.9
11 27	5 45.49	+15 12.9	1.479	2.418	9.2	18.7
12 7	5 35.84	+14 46.7	1.441	2.412	5.0	18.4
12 17	5 25.11	+14 27.4	1.430	2.406	3.9	18.3
12 27	5 14.72	+14 16.9	1.447	2.400	7.5	18.5
1 6	5 5.99	+14 16.3	1.491	2.394	11.8	18.8
1 16	4 59.88	+14 25.9	1.557	2.387	15.7	19.0

223941 2004 XJ_{24} 12 14.5 59°.15 0°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.06	+22 21.1	2.064	2.860	14.0	20.2
11 17	5 50.42	+22 26.5	1.989	2.870	10.8	20.0
11 27	5 43.45	+22 31.8	1.938	2.879	7.1	19.8
12 7	5 34.82	+22 36.1	1.912	2.889	3.1	19.5
12 17	5 25.48	+22 38.7	1.916	2.899	1.1	19.4
12 27	5 16.52	+22 40.1	1.949	2.909	5.2	19.7
1 6	5 8.95	+22 41.2	2.011	2.919	8.9	19.9
1 16	5 3.48	+22 43.3	2.097	2.929	12.1	20.2

156084 2001 SD_{180} 12 14.5 22°.74 4°.8/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.83	+13 54.0	1.227	2.052	19.9	19.7
11 17	5 51.48	+13 25.8	1.165	2.058	15.7	19.5
11 27	5 44.74	+13 5.8	1.123	2.065	11.0	19.2
12 7	5 35.53	+12 57.0	1.103	2.073	6.4	19.0
12 17	5 25.24	+13 1.0	1.107	2.082	5.1	18.9
12 27	5 15.57	+13 18.4	1.137	2.091	8.8	19.2
1 6	5 8.01	+13 47.9	1.190	2.102	13.4	19.5
1 16	5 3.52	+14 27.4	1.265	2.113	17.5	19.8

100424 1996 GS_{18} 12 14.5 138°.36 1°.0/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.49	+25 51.6	2.487	3.270	12.2	19.9
11 17	5 50.46	+26 4.9	2.403	3.276	9.5	19.7
11 27	5 43.35	+26 16.0	2.343	3.281	6.3	19.5
12 7	5 34.77	+26 23.3	2.311	3.286	2.9	19.3
12 17	5 25.52	+26 26.1	2.309	3.291	1.3	19.2
12 27	5 16.55	+26 24.3	2.338	3.296	4.6	19.4
1 6	5 8.76	+26 19.2	2.396	3.301	7.8	19.6
1 16	5 2.83	+26 12.7	2.480	3.305	10.7	19.8

482688 2013 CU_{77} 12 14.5 327°.72 2°.1/14.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.82	+27 7.4	1.536	2.349	17.2	21.3
11 17	5 52.24	+27 29.2	1.450	2.338	13.6	21.0
11 27	5 45.36	+27 48.1	1.384	2.327	9.2	20.8
12 7	5 35.91	+28 0.7	1.342	2.317	4.5	20.5
12 17	5 25.10	+28 4.7	1.327	2.308	2.4	20.3
12 27	5 14.58	+27 59.7	1.339	2.299	6.9	20.6
1 6	5 5.92	+27 48.1	1.376	2.291	11.6	20.8
1 16	5 0.22	+27 33.7	1.436	2.284	15.8	21.0

78041 2002 JD_{111} 12 14.5 183°.04 3°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.01	+30 43.3	1.828	2.611	16.0	20.0
11 17	5 58.07	+31 14.5	1.743	2.612	12.7	19.7
11 27	5 48.93	+31 40.0	1.680	2.612	8.9	19.5
12 7	5 37.37	+31 55.5	1.643	2.612	5.0	19.3
12 17	5 24.62	+31 57.6	1.634	2.611	3.5	19.2
12 27	5 12.28	+31 46.2	1.655	2.609	6.6	19.4
1 6	5 1.79	+31 24.4	1.704	2.606	10.6	19.6
1 16	4 54.18	+30 57.0	1.777	2.603	14.3	19.8

472886 2015 FT_{318} 12 14.5 34°.64 2°.0/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.28	+17 26.5	1.260	2.081	19.7	21.1
11 17	5 54.28	+17 41.9	1.194	2.087	15.5	20.8
11 27	5 46.72	+18 4.3	1.147	2.093	10.4	20.6
12 7	5 36.46	+18 33.0	1.123	2.099	4.9	20.3
12 17	5 24.94	+19 6.1	1.125	2.107	2.5	20.1
12 27	5 13.99	+19 41.9	1.153	2.114	7.6	20.5
1 6	5 5.22	+20 19.5	1.205	2.122	12.8	20.8
1 16	4 59.71	+20 58.4	1.280	2.130	17.2	21.1

409127 2003 UF_{24} 12 14.5 251°.87 16°.3/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 15.62	+50 14.0	1.267	2.021	23.2	20.7
11 17	6 11.54	+52 57.1	1.200	2.016	20.7	20.5
11 27	6 0.74	+55 24.3	1.151	2.010	18.3	20.4
12 7	5 43.57	+57 16.4	1.121	2.005	16.7	20.2
12 17	5 22.30	+58 15.4	1.112	1.999	16.4	20.2
12 27	5 1.23	+58 14.1	1.123	1.993	17.6	20.3
1 6	4 44.65	+57 20.9	1.154	1.987	19.9	20.4
1 16	4 35.01	+55 53.2	1.202	1.981	22.4	20.6

451807 2013 HQ_{43} 12 14.5 359°.25 0°.3/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.92	+23 54.6	1.906	2.705	14.8	22.1
11 17	5 51.36	+23 36.5	1.823	2.705	11.6	21.9
11 27	5 44.22	+23 15.4	1.762	2.704	7.7	21.6
12 7	5 35.22	+22 51.1	1.727	2.704	3.4	21.4
12 17	5 25.38	+22 24.2	1.721	2.704	1.2	21.2
12 27	5 15.94	+21 56.4	1.744	2.704	5.6	21.5
1 6	5 8.01	+21 30.3	1.795	2.705	9.7	21.8
1 16	5 2.40	+21 8.2	1.870	2.705	13.3	22.0

133953 2004 TR_{112} 12 14.5 21°.47 6°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.02	+ 6 26.7	1.803	2.593	15.9	18.9
11 17	5 48.21	+ 5 43.3	1.734	2.599	13.0	18.7
11 27	5 42.06	+ 5 11.0	1.687	2.605	9.9	18.6
12 7	5 34.26	+ 4 53.8	1.665	2.612	7.4	18.4
12 17	5 25.74	+ 4 54.0	1.668	2.619	6.9	18.4
12 27	5 17.60	+ 5 12.4	1.699	2.627	8.8	18.5
1 6	5 10.85	+ 5 47.3	1.755	2.636	11.6	18.7
1 16	5 6.20	+ 6 35.7	1.834	2.645	14.5	18.9

50421 2000 DD_{9} 12 14.5 136°.37 1°.4/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.70	+18 24.0	2.956	3.733	10.6	20.3
11 17	5 48.59	+18 15.2	2.877	3.746	8.2	20.1
11 27	5 41.88	+18 7.7	2.822	3.758	5.5	20.0
12 7	5 34.07	+18 1.7	2.796	3.770	2.7	19.8
12 17	5 25.81	+17 57.5	2.801	3.781	1.6	19.7
12 27	5 17.81	+17 55.4	2.837	3.791	4.2	19.9
1 6	5 10.75	+17 56.2	2.904	3.802	6.9	20.1
1 16	5 5.14	+18 0.1	2.997	3.811	9.4	20.3

138370 2000 GS_{143} 12 14.5 233°.90 3°.0/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.21	+28 56.8	1.996	2.783	14.7	20.0
11 17	5 54.17	+29 46.1	1.907	2.780	11.6	19.8
11 27	5 46.29	+30 33.1	1.842	2.776	8.0	19.6
12 7	5 36.23	+31 13.5	1.803	2.773	4.4	19.4
12 17	5 25.03	+31 43.8	1.793	2.769	3.2	19.3
12 27	5 14.05	+32 2.4	1.812	2.765	6.2	19.5
1 6	5 4.57	+32 10.3	1.859	2.761	9.9	19.7
1 16	4 57.58	+32 10.6	1.931	2.757	13.3	19.9

485488 2011 SX_{130} 12 14.5 10°.62 5°.0/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.21	+13 17.5	1.455	2.271	17.8	21.5
11 17	5 49.78	+12 38.7	1.386	2.273	14.2	21.3
11 27	5 43.43	+12 6.5	1.337	2.275	10.0	21.1
12 7	5 34.95	+11 44.3	1.311	2.279	6.2	20.9
12 17	5 25.51	+11 34.6	1.311	2.283	5.2	20.8
12 27	5 16.54	+11 38.8	1.338	2.288	8.4	21.0
1 6	5 9.31	+11 56.5	1.389	2.293	12.4	21.3
1 16	5 4.73	+12 26.0	1.462	2.300	16.2	21.5

238171 2003 SD_{150} 12 14.5 135°.12 6°.6/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.23	+ 3 47.2	2.160	2.920	14.6	20.8
11 17	5 51.75	+ 3 14.7	2.090	2.933	12.0	20.7
11 27	5 44.17	+ 2 54.0	2.043	2.945	9.3	20.5
12 7	5 35.13	+ 2 48.0	2.021	2.957	7.2	20.4
12 17	5 25.47	+ 2 58.5	2.028	2.969	6.7	20.4
12 27	5 16.19	+ 3 25.6	2.063	2.980	8.2	20.5
1 6	5 8.18	+ 4 7.4	2.125	2.990	10.7	20.7
1 16	5 2.09	+ 5 1.0	2.212	2.999	13.2	20.9

118891 2000 UA_{44} 12 14.5 332°.16 1°.1/14.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.58	+26 15.0	1.809	2.614	15.3	19.0
11 17	5 50.67	+26 17.3	1.721	2.605	12.0	18.8
11 27	5 43.98	+26 16.0	1.654	2.597	8.1	18.5
12 7	5 35.21	+26 9.5	1.613	2.590	3.7	18.3
12 17	5 25.41	+25 57.1	1.600	2.582	1.5	18.1
12 27	5 15.92	+25 39.6	1.615	2.576	5.9	18.4
1 6	5 7.99	+25 19.3	1.657	2.570	10.2	18.6
1 16	5 2.53	+24 59.4	1.722	2.564	13.9	18.8

139631 2001 QP_{156} 12 14.5 39°.46 9°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.71	+ 2 27.0	1.586	2.372	17.9	19.1
11 17	5 49.67	+ 1 26.8	1.532	2.386	14.9	18.9
11 27	5 43.07	+ 0 42.8	1.497	2.401	11.9	18.8
12 7	5 34.70	+ 0 20.1	1.485	2.417	9.6	18.7
12 17	5 25.63	+ 0 22.0	1.498	2.433	9.2	18.7
12 27	5 17.10	+ 0 48.7	1.536	2.450	10.8	18.9
1 6	5 10.19	+ 1 37.2	1.598	2.467	13.3	19.1
1 16	5 5.62	+ 2 42.5	1.682	2.484	16.0	19.3

212221 2005 JU_{9} 12 14.5 277°.06 2°.7/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.38	+28 58.8	1.865	2.659	15.3	21.4
11 17	5 53.80	+29 30.6	1.768	2.644	12.2	21.2
11 27	5 46.22	+29 59.0	1.693	2.630	8.4	20.9
12 7	5 36.27	+30 20.4	1.644	2.615	4.5	20.7
12 17	5 25.03	+30 31.7	1.622	2.600	3.0	20.5
12 27	5 13.95	+30 31.9	1.629	2.586	6.4	20.7
1 6	5 4.44	+30 23.0	1.664	2.571	10.5	20.9
1 16	4 57.55	+30 8.5	1.723	2.556	14.3	21.1

30571 2001 OW_{97} 12 14.5 114°.94 2°.3/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.46	+28 20.1	1.799	2.586	16.1	20.1
11 17	5 57.35	+28 47.9	1.731	2.604	12.6	19.9
11 27	5 48.23	+29 11.3	1.685	2.621	8.5	19.7
12 7	5 36.99	+29 26.7	1.666	2.638	4.3	19.5
12 17	5 24.85	+29 31.7	1.675	2.654	2.6	19.4
12 27	5 13.32	+29 26.5	1.713	2.670	6.1	19.7
1 6	5 3.70	+29 13.8	1.780	2.685	10.1	19.9
1 16	4 56.84	+28 57.5	1.871	2.699	13.6	20.2

296737 2009 TS_{20} 12 14.5 22°.04 4°.0/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.17	+16 15.1	1.191	2.020	20.1	20.4
11 17	5 51.89	+15 44.1	1.129	2.026	15.8	20.2
11 27	5 45.10	+15 18.4	1.087	2.032	10.9	19.9
12 7	5 35.75	+15 0.5	1.066	2.040	5.9	19.7
12 17	5 25.28	+14 52.5	1.070	2.048	4.4	19.6
12 27	5 15.47	+14 55.7	1.100	2.057	8.5	19.9
1 6	5 7.86	+15 10.1	1.153	2.067	13.4	20.2
1 16	5 3.43	+15 34.6	1.226	2.078	17.7	20.5

252686 2002 AV_{192} 12 14.5 109°.55 0°.6/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.82	+21 16.4	2.114	2.906	13.8	20.7
11 17	5 51.01	+21 19.6	2.033	2.912	10.7	20.5
11 27	5 43.87	+21 23.3	1.976	2.917	7.1	20.3
12 7	5 35.08	+21 26.9	1.945	2.922	3.1	20.1
12 17	5 25.52	+21 29.9	1.944	2.927	1.2	20.0
12 27	5 16.30	+21 32.6	1.973	2.932	5.2	20.2
1 6	5 8.42	+21 35.9	2.029	2.936	8.9	20.5
1 16	5 2.61	+21 40.8	2.112	2.941	12.2	20.7

130036 1999 VO_{125} 12 14.5 119°.57 2°.9/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.76	+29 44.5	2.012	2.793	14.8	21.2
11 17	5 55.89	+30 25.1	1.938	2.807	11.6	21.0
11 27	5 47.24	+31 1.2	1.888	2.821	8.0	20.8
12 7	5 36.58	+31 29.0	1.865	2.834	4.4	20.6
12 17	5 25.02	+31 45.6	1.870	2.847	3.1	20.5
12 27	5 13.91	+31 50.5	1.906	2.859	6.0	20.8
1 6	5 4.47	+31 45.7	1.970	2.871	9.5	21.0
1 16	4 57.56	+31 34.8	2.059	2.882	12.7	21.2

446724 2015 OW_{69} 12 14.5 58°.58 8°.1/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.14	+ 3 24.7	1.608	2.390	17.9	20.9
11 17	5 51.51	+ 2 45.9	1.552	2.407	14.7	20.7
11 27	5 44.27	+ 2 23.1	1.516	2.425	11.5	20.5
12 7	5 35.24	+ 2 20.3	1.503	2.443	8.9	20.4
12 17	5 25.50	+ 2 39.5	1.517	2.461	8.2	20.4
12 27	5 16.33	+ 3 20.1	1.557	2.479	9.9	20.6
1 6	5 8.81	+ 4 18.7	1.621	2.498	12.7	20.8
1 16	5 3.70	+ 5 30.4	1.709	2.516	15.6	21.0

300531 2007 TN_{226} 12 14.5 215°.36 1°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.25	+27 7.0	2.156	2.940	13.8	21.0
11 17	5 53.90	+27 29.7	2.062	2.934	10.9	20.8
11 27	5 45.96	+27 49.7	1.990	2.927	7.4	20.6
12 7	5 36.07	+28 4.7	1.946	2.920	3.6	20.3
12 17	5 25.18	+28 12.4	1.931	2.912	2.0	20.2
12 27	5 14.51	+28 12.7	1.946	2.904	5.4	20.4
1 6	5 5.21	+28 6.9	1.991	2.895	9.2	20.6
1 16	4 58.17	+27 57.9	2.060	2.886	12.6	20.8

475711 2006 VN_{171} 12 14.5 77°.71 3°.0/14.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.34	+27 50.9	1.414	2.218	18.8	21.5
11 17	5 58.06	+28 38.0	1.352	2.235	14.7	21.3
11 27	5 49.12	+29 21.7	1.312	2.252	10.0	21.1
12 7	5 37.51	+29 56.7	1.295	2.268	5.2	20.9
12 17	5 24.75	+30 18.9	1.305	2.285	3.3	20.8
12 27	5 12.71	+30 27.3	1.343	2.301	7.3	21.1
1 6	5 3.02	+30 24.8	1.407	2.317	11.8	21.4
1 16	4 56.70	+30 16.3	1.493	2.333	15.8	21.7

469880 2005 UN_{226} 12 14.5 51°.92 1°.2/14.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.30	+21 30.3	1.297	2.116	19.4	20.9
11 17	5 54.71	+21 15.5	1.243	2.136	15.0	20.7
11 27	5 46.72	+21 0.6	1.209	2.156	9.9	20.4
12 7	5 36.38	+20 45.6	1.199	2.176	4.4	20.2
12 17	5 25.17	+20 31.1	1.214	2.197	1.9	20.1
12 27	5 14.82	+20 18.6	1.256	2.218	7.1	20.4
1 6	5 6.75	+20 10.3	1.324	2.239	12.0	20.8
1 16	5 1.81	+20 7.7	1.413	2.260	16.1	21.1

60148 Seanurban 12 14.5 243°.72 0°.5/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.39	+24 43.2	2.240	3.030	13.2	20.2
11 17	5 50.69	+24 45.1	2.149	3.026	10.3	20.0
11 27	5 43.70	+24 45.0	2.082	3.022	6.9	19.8
12 7	5 35.04	+24 41.6	2.041	3.017	3.1	19.6
12 17	5 25.57	+24 34.6	2.030	3.013	1.1	19.4
12 27	5 16.37	+24 24.4	2.049	3.008	5.0	19.7
1 6	5 8.42	+24 12.7	2.096	3.003	8.7	19.9
1 16	5 2.49	+24 1.3	2.169	2.999	11.9	20.1

385106 2012 VG_{92} 12 14.5 27°.72 1°.7/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 50.32	+18 6.8	2.554	3.346	11.7	20.9
11 17	5 46.31	+17 52.2	2.477	3.354	9.1	20.7
11 27	5 40.55	+17 39.2	2.424	3.363	6.1	20.5
12 7	5 33.58	+17 28.5	2.398	3.372	3.0	20.3
12 17	5 26.09	+17 20.6	2.402	3.381	2.0	20.3
12 27	5 18.88	+17 16.2	2.436	3.391	4.7	20.5
1 6	5 12.69	+17 16.0	2.499	3.401	7.7	20.7
1 16	5 8.08	+17 20.2	2.587	3.412	10.4	20.9

142788 2002 UD_{16} 12 14.5 164°.74 5°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.35	+ 7 41.0	2.264	3.035	13.6	20.5
11 17	5 50.32	+ 6 48.0	2.185	3.039	11.1	20.3
11 27	5 43.26	+ 6 2.2	2.130	3.043	8.4	20.1
12 7	5 34.79	+ 5 27.1	2.101	3.047	6.2	20.0
12 17	5 25.69	+ 5 5.1	2.100	3.049	5.9	20.0
12 27	5 16.89	+ 4 58.0	2.129	3.052	7.6	20.1
1 6	5 9.26	+ 5 5.5	2.185	3.054	10.2	20.3
1 16	5 3.44	+ 5 26.1	2.266	3.055	12.8	20.5

44462 1998 VU_{17} 12 14.5 48°.05 2°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.24	+19 30.1	1.503	2.314	17.5	18.1
11 17	5 52.60	+18 39.6	1.446	2.334	13.6	17.9
11 27	5 45.06	+17 49.3	1.410	2.354	9.1	17.7
12 7	5 35.59	+17 1.4	1.400	2.374	4.6	17.5
12 17	5 25.45	+16 18.9	1.416	2.395	3.2	17.5
12 27	5 16.05	+15 44.7	1.460	2.416	7.1	17.8
1 6	5 8.58	+15 21.0	1.530	2.438	11.3	18.1
1 16	5 3.78	+15 8.6	1.624	2.459	14.9	18.3

414610 2009 UF_{134} 12 14.5 149°.52 3°.3/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.18	+31 51.7	2.423	3.197	12.8	21.5
11 17	5 52.85	+32 34.6	2.339	3.201	10.1	21.3
11 27	5 45.14	+33 12.7	2.278	3.205	7.2	21.1
12 7	5 35.68	+33 42.7	2.244	3.208	4.3	21.0
12 17	5 25.37	+34 1.7	2.241	3.212	3.4	20.9
12 27	5 15.31	+34 9.2	2.267	3.215	5.5	21.1
1 6	5 6.55	+34 6.5	2.322	3.218	8.5	21.3
1 16	4 59.89	+33 56.6	2.403	3.221	11.3	21.4

484053 2006 GH_{34} 12 14.5 204°.72 4°.8/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 51.71	+ 5 8.8	3.206	3.958	10.4	22.5
11 17	5 47.01	+ 4 34.3	3.113	3.952	8.5	22.3
11 27	5 40.87	+ 4 6.8	3.044	3.946	6.6	22.2
12 7	5 33.71	+ 3 48.1	3.004	3.939	5.1	22.1
12 17	5 26.07	+ 3 40.0	2.993	3.932	4.9	22.1
12 27	5 18.57	+ 3 43.2	3.012	3.924	6.1	22.1
1 6	5 11.82	+ 3 57.6	3.059	3.916	8.0	22.3
1 16	5 6.30	+ 4 21.9	3.132	3.907	9.9	22.4

341941 2008 OK_{24} 12 14.5 112°.82 0°.5/14.6 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.87	+26 55.2	1.845	2.632	15.7	21.5
11 17	5 56.58	+26 27.9	1.776	2.651	12.2	21.3
11 27	5 47.54	+25 54.4	1.730	2.669	8.1	21.1
12 7	5 36.66	+25 14.2	1.710	2.686	3.6	20.9
12 17	5 25.12	+24 28.3	1.720	2.703	1.2	20.7
12 27	5 14.28	+23 39.7	1.760	2.720	5.7	21.1
1 6	5 5.30	+22 52.2	1.829	2.735	9.8	21.3
1 16	4 58.92	+22 9.6	1.922	2.750	13.3	21.6

156607 2002 GE_{91} 12 14.5 86°.42 2°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.56	+16 54.4	2.142	2.934	13.7	20.0
11 17	5 50.00	+16 51.3	2.059	2.936	10.7	19.8
11 27	5 43.21	+16 51.7	1.999	2.938	7.2	19.6
12 7	5 34.83	+16 55.9	1.966	2.939	3.6	19.4
12 17	5 25.69	+17 4.0	1.962	2.941	2.3	19.3
12 27	5 16.84	+17 16.1	1.988	2.943	5.5	19.5
1 6	5 9.23	+17 32.3	2.042	2.945	9.1	19.7
1 16	5 3.58	+17 52.5	2.121	2.947	12.3	19.9

484348 2007 UX_{139} 12 14.5 8°.46 4°.2/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.95	+18 13.1	1.320	2.148	18.6	20.9
11 17	5 49.87	+17 1.7	1.253	2.149	14.6	20.7
11 27	5 43.62	+15 49.6	1.207	2.152	10.0	20.4
12 7	5 35.10	+14 41.2	1.183	2.156	5.6	20.2
12 17	5 25.62	+13 41.4	1.185	2.161	4.6	20.1
12 27	5 16.73	+12 55.1	1.213	2.167	8.5	20.4
1 6	5 9.81	+12 25.1	1.265	2.174	13.0	20.7
1 16	5 5.75	+12 11.7	1.338	2.182	17.0	20.9

219166 1999 TU_{42} 12 14.5 19°.85 0°.5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.47	+22 31.0	1.838	2.642	15.1	20.7
11 17	5 50.33	+22 23.4	1.761	2.645	11.7	20.5
11 27	5 43.61	+22 14.8	1.706	2.649	7.8	20.2
12 7	5 35.03	+22 4.9	1.677	2.654	3.4	20.0
12 17	5 25.63	+21 53.8	1.675	2.658	1.3	19.8
12 27	5 16.64	+21 42.5	1.703	2.664	5.7	20.1
1 6	5 9.16	+21 32.6	1.758	2.669	9.8	20.4
1 16	5 4.01	+21 25.9	1.836	2.675	13.3	20.6

74938 1999 TC_{174} 12 14.5 155°.31 5°.1/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.83	+34 41.3	1.700	2.481	17.1	19.9
11 17	5 59.07	+35 22.6	1.622	2.486	13.8	19.7
11 27	5 49.79	+35 54.8	1.566	2.491	10.0	19.5
12 7	5 37.85	+36 12.2	1.535	2.496	6.4	19.3
12 17	5 24.68	+36 10.6	1.531	2.500	5.2	19.2
12 27	5 12.05	+35 49.8	1.556	2.503	7.7	19.4
1 6	5 1.58	+35 14.3	1.607	2.506	11.4	19.6
1 16	4 54.32	+34 30.7	1.682	2.508	14.9	19.9

112649 2002 PA_{84} 12 14.5 152°.36 3°.6/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.72	+13 1.1	2.149	2.931	13.9	20.1
11 17	5 51.54	+12 43.4	2.069	2.937	11.0	19.9
11 27	5 44.16	+12 31.3	2.013	2.943	7.7	19.7
12 7	5 35.22	+12 26.1	1.983	2.949	4.6	19.5
12 17	5 25.58	+12 28.7	1.983	2.954	3.8	19.5
12 27	5 16.27	+12 39.5	2.012	2.959	6.3	19.7
1 6	5 8.21	+12 58.3	2.070	2.963	9.5	19.9
1 16	5 2.14	+13 24.2	2.153	2.967	12.5	20.1

138005 2000 CT_{87} 12 14.5 241°.15 6°.9/15.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.10	+42 0.2	2.040	2.795	15.4	19.4
11 17	5 57.58	+42 40.4	1.951	2.789	12.9	19.2
11 27	5 48.75	+43 7.7	1.882	2.782	10.2	19.0
12 7	5 37.40	+43 16.0	1.839	2.775	7.8	18.9
12 17	5 24.84	+43 1.1	1.822	2.768	6.9	18.8
12 27	5 12.70	+42 22.8	1.833	2.760	8.4	18.9
1 6	5 2.52	+41 25.6	1.871	2.753	11.0	19.0
1 16	4 55.33	+40 16.7	1.933	2.745	13.8	19.2

191534 2003 UM_{211} 12 14.5 23°.80 2°.2/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.50	+18 56.5	2.156	2.952	13.5	19.7
11 17	5 49.10	+18 17.2	2.075	2.954	10.5	19.5
11 27	5 42.56	+17 37.9	2.017	2.956	7.1	19.3
12 7	5 34.53	+16 59.8	1.985	2.959	3.6	19.1
12 17	5 25.83	+16 25.0	1.983	2.962	2.5	19.0
12 27	5 17.49	+15 55.5	2.011	2.964	5.6	19.2
1 6	5 10.41	+15 32.9	2.066	2.968	9.1	19.4
1 16	5 5.25	+15 18.3	2.147	2.971	12.2	19.7

12585 Katschwarz 12 14.5 70°.47 3°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.52	+15 3.4	1.617	2.417	17.0	18.6
11 17	5 53.46	+14 56.0	1.557	2.437	13.3	18.4
11 27	5 45.63	+14 54.8	1.519	2.457	9.1	18.2
12 7	5 35.89	+15 0.5	1.505	2.477	4.9	18.0
12 17	5 25.40	+15 13.3	1.520	2.497	3.4	17.9
12 27	5 15.51	+15 33.0	1.562	2.516	6.9	18.2
1 6	5 7.39	+15 58.7	1.631	2.536	10.9	18.5
1 16	5 1.84	+16 29.8	1.724	2.556	14.4	18.7

468307 2016 AB_{108} 12 14.5 351°.37 0°.6/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 51.92	+19 24.4	1.529	2.349	16.9	19.9
11 17	5 49.06	+19 55.4	1.446	2.340	13.2	19.6
11 27	5 43.21	+20 31.9	1.385	2.332	8.9	19.3
12 7	5 35.03	+21 12.6	1.347	2.325	4.0	19.0
12 17	5 25.64	+21 55.2	1.336	2.319	1.5	18.9
12 27	5 16.47	+22 37.4	1.352	2.315	6.5	19.2
1 6	5 8.94	+23 18.3	1.394	2.312	11.2	19.4
1 16	5 4.08	+23 57.5	1.459	2.311	15.4	19.7

191428 2003 SC_{155} 12 14.5 32°.41 4°.2/13.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.81	+13 17.9	2.031	2.825	14.2	19.5
11 17	5 48.63	+12 32.9	1.956	2.831	11.2	19.3
11 27	5 42.29	+11 52.4	1.904	2.836	8.0	19.1
12 7	5 34.42	+11 18.8	1.878	2.842	5.0	19.0
12 17	5 25.91	+10 54.4	1.881	2.849	4.4	18.9
12 27	5 17.76	+10 41.0	1.912	2.855	6.8	19.1
1 6	5 10.88	+10 39.1	1.970	2.862	10.0	19.3
1 16	5 5.97	+10 48.0	2.052	2.869	13.0	19.5

55093 2001 QZ_{123} 12 14.5 336°.85 4°.9/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.52	+31 51.9	1.353	2.166	19.1	18.8
11 17	5 55.02	+32 38.3	1.274	2.159	15.3	18.5
11 27	5 47.62	+33 18.3	1.215	2.152	10.9	18.3
12 7	5 37.10	+33 45.7	1.179	2.147	6.6	18.0
12 17	5 24.96	+33 55.3	1.167	2.141	5.0	17.9
12 27	5 13.22	+33 45.9	1.182	2.137	8.4	18.1
1 6	5 3.79	+33 21.4	1.220	2.133	13.0	18.3
1 16	4 57.95	+32 48.5	1.280	2.129	17.3	18.6

420006 2011 CR_{53} 12 14.5 270°.35 1°.9/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.08	+16 19.9	2.420	3.205	12.5	20.8
11 17	5 49.54	+16 25.8	2.318	3.190	9.8	20.6
11 27	5 42.93	+16 35.8	2.239	3.176	6.7	20.4
12 7	5 34.76	+16 49.9	2.188	3.161	3.4	20.1
12 17	5 25.77	+17 8.1	2.167	3.146	2.2	20.0
12 27	5 16.88	+17 29.9	2.176	3.131	5.2	20.2
1 6	5 8.99	+17 55.2	2.214	3.116	8.6	20.4
1 16	5 2.84	+18 23.6	2.279	3.101	11.7	20.6

332713 2009 SL_{83} 12 14.5 159°.89 3°.1/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.36	+16 14.8	1.818	2.608	15.8	22.2
11 17	5 54.78	+15 49.4	1.740	2.614	12.4	22.0
11 27	5 46.52	+15 27.3	1.684	2.620	8.5	21.8
12 7	5 36.33	+15 9.7	1.654	2.625	4.6	21.6
12 17	5 25.28	+14 57.8	1.653	2.630	3.4	21.5
12 27	5 14.66	+14 52.9	1.682	2.633	6.7	21.7
1 6	5 5.63	+14 55.6	1.738	2.637	10.7	22.0
1 16	4 59.04	+15 6.3	1.818	2.639	14.2	22.2

368492 2003 TT_{44} 12 14.5 143°.71 0°.7/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.70	+22 22.8	2.449	3.236	12.3	21.3
11 17	5 49.81	+21 59.3	2.365	3.240	9.5	21.1
11 27	5 42.94	+21 34.0	2.304	3.243	6.3	21.0
12 7	5 34.69	+21 7.1	2.271	3.247	2.8	20.7
12 17	5 25.85	+20 39.6	2.268	3.250	1.2	20.6
12 27	5 17.32	+20 12.9	2.296	3.253	4.7	20.9
1 6	5 9.95	+19 48.7	2.353	3.256	8.0	21.1
1 16	5 4.38	+19 28.7	2.436	3.259	11.0	21.3

135976 2002 TA_{296} 12 14.5 75°.57 5°.3/15.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.10	+37 59.0	1.836	2.609	16.3	19.5
11 17	5 57.25	+38 19.4	1.772	2.627	13.2	19.3
11 27	5 48.24	+38 27.0	1.729	2.646	9.8	19.1
12 7	5 37.06	+38 17.4	1.710	2.664	6.6	19.0
12 17	5 25.09	+37 48.3	1.719	2.683	5.4	19.0
12 27	5 13.90	+37 1.6	1.757	2.701	7.3	19.1
1 6	5 4.83	+36 2.9	1.822	2.719	10.4	19.3
1 16	4 58.71	+34 58.9	1.911	2.737	13.4	19.6

403116 2008 DO_{2} 12 14.5 256°.13 6°.6/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.44	+ 5 0.8	2.071	2.843	14.7	21.5
11 17	5 49.99	+ 4 27.1	1.983	2.834	12.2	21.3
11 27	5 43.30	+ 4 4.1	1.916	2.825	9.4	21.1
12 7	5 34.94	+ 3 55.5	1.874	2.816	7.2	20.9
12 17	5 25.75	+ 4 3.5	1.860	2.807	6.7	20.9
12 27	5 16.75	+ 4 28.8	1.874	2.797	8.5	21.0
1 6	5 8.92	+ 5 10.1	1.915	2.788	11.2	21.1
1 16	5 3.03	+ 6 4.6	1.979	2.778	14.1	21.3

242007 2002 PP_{73} 12 14.5 131°.02 5°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.60	+ 8 42.1	2.188	2.961	14.0	21.4
11 17	5 51.29	+ 7 59.2	2.117	2.974	11.3	21.2
11 27	5 43.91	+ 7 23.8	2.069	2.986	8.4	21.0
12 7	5 35.11	+ 6 58.8	2.047	2.999	5.9	20.9
12 17	5 25.72	+ 6 46.3	2.055	3.010	5.5	20.9
12 27	5 16.72	+ 6 47.2	2.092	3.021	7.3	21.0
1 6	5 8.97	+ 7 1.1	2.156	3.032	10.0	21.2
1 16	5 3.12	+ 7 26.4	2.245	3.042	12.7	21.4

480979 2003 WC_{154} 12 14.5 9°.59 1°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 11.04	+13 9.1	1.241	2.035	21.5	19.6
11 17	6 5.19	+16 16.2	1.160	2.038	17.0	19.3
11 27	5 54.85	+19 54.6	1.101	2.042	11.4	19.0
12 7	5 40.56	+23 52.4	1.071	2.047	5.0	18.6
12 17	5 23.75	+27 49.2	1.073	2.055	2.7	18.5
12 27	5 6.77	+31 24.0	1.108	2.063	8.8	18.9
1 6	4 52.05	+34 24.6	1.172	2.073	14.5	19.2
1 16	4 41.45	+36 49.7	1.261	2.084	19.1	19.6

96593 1998 XO_{20} 12 14.5 54°.70 2°.9/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.31	+13 54.8	2.019	2.809	14.4	18.9
11 17	5 50.48	+13 58.6	1.957	2.831	11.3	18.7
11 27	5 43.46	+14 8.6	1.918	2.853	7.7	18.5
12 7	5 34.93	+14 25.3	1.906	2.876	4.2	18.4
12 17	5 25.80	+14 48.2	1.922	2.898	3.1	18.3
12 27	5 17.13	+15 16.9	1.968	2.921	5.8	18.6
1 6	5 9.83	+15 50.2	2.042	2.944	9.2	18.8
1 16	5 4.56	+16 27.2	2.142	2.967	12.2	19.0

261165 2005 TW_{102} 12 14.5 117°.38 0°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.39	+23 56.9	2.134	2.926	13.7	21.2
11 17	5 51.48	+23 54.9	2.054	2.931	10.7	21.0
11 27	5 44.23	+23 51.0	1.996	2.937	7.1	20.8
12 7	5 35.32	+23 44.5	1.965	2.942	3.1	20.5
12 17	5 25.66	+23 35.0	1.964	2.947	1.0	20.4
12 27	5 16.37	+23 23.3	1.993	2.952	5.1	20.7
1 6	5 8.45	+23 11.1	2.049	2.957	8.8	20.9
1 16	5 2.63	+23 0.4	2.132	2.962	12.1	21.1

506491 2003 UW_{29} 12 14.5 237°.26 3°.4/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 42.56	+18 3.0	1.373	2.099	22.9	24.0
11 17	6 31.23	+17 40.0	1.236	2.073	19.0	23.6
11 27	6 13.51	+17 16.3	1.120	2.040	13.5	23.2
12 7	5 49.44	+16 48.4	1.032	2.002	6.9	22.7
12 17	5 20.59	+16 13.2	0.979	1.958	4.2	22.4
12 27	4 50.39	+15 31.5	0.964	1.907	11.8	22.6
1 6	4 22.86	+14 50.3	0.983	1.850	19.8	22.9
1 16	4 0.84	+14 18.7	1.029	1.786	26.8	23.1

224193 2005 RJ_{10} 12 14.5 18°.52 1°.9/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.96	+26 27.4	1.049	1.890	21.4	19.8
11 17	5 52.48	+26 44.6	0.994	1.897	16.8	19.6
11 27	5 45.90	+26 57.7	0.956	1.906	11.3	19.3
12 7	5 36.28	+27 3.3	0.940	1.917	5.3	19.0
12 17	5 25.36	+26 59.4	0.947	1.929	2.4	18.9
12 27	5 15.28	+26 47.0	0.978	1.942	7.9	19.3
1 6	5 7.86	+26 29.9	1.031	1.957	13.4	19.6
1 16	5 4.15	+26 12.8	1.105	1.973	18.1	19.9

493465 2014 WM_{454} 12 14.5 259°.72 6°.1/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.80	+ 2 39.7	2.563	3.318	12.6	21.3
11 17	5 48.29	+ 2 21.2	2.470	3.308	10.5	21.1
11 27	5 41.97	+ 2 13.7	2.399	3.297	8.3	21.0
12 7	5 34.32	+ 2 19.7	2.355	3.287	6.6	20.8
12 17	5 26.00	+ 2 40.8	2.338	3.276	6.2	20.8
12 27	5 17.82	+ 3 17.1	2.351	3.266	7.5	20.9
1 6	5 10.55	+ 4 7.0	2.391	3.255	9.7	21.0
1 16	5 4.83	+ 5 8.1	2.457	3.244	12.0	21.1

520400 2014 JT_{60} 12 14.5 198°.89 6°.2/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.44	+ 6 49.5	2.204	2.975	14.0	22.5
11 17	5 50.54	+ 5 56.0	2.120	2.972	11.5	22.3
11 27	5 43.54	+ 5 10.3	2.058	2.969	8.8	22.1
12 7	5 35.02	+ 4 36.0	2.022	2.965	6.7	22.0
12 17	5 25.78	+ 4 16.0	2.015	2.962	6.3	22.0
12 27	5 16.80	+ 4 12.0	2.037	2.957	8.1	22.1
1 6	5 8.97	+ 4 23.7	2.085	2.952	10.7	22.2
1 16	5 3.00	+ 4 49.6	2.157	2.947	13.4	22.4

278587 2008 KX_{42} 12 14.5 328°.91 2°.0/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.55	+21 30.5	1.396	2.213	18.4	20.6
11 17	5 53.56	+20 49.8	1.318	2.209	14.4	20.3
11 27	5 46.22	+20 6.3	1.259	2.205	9.7	20.1
12 7	5 36.36	+19 21.3	1.225	2.202	4.5	19.7
12 17	5 25.33	+18 37.2	1.217	2.198	2.6	19.6
12 27	5 14.79	+17 57.6	1.235	2.195	7.5	19.9
1 6	5 6.25	+17 26.2	1.279	2.192	12.5	20.2
1 16	5 0.74	+17 5.3	1.345	2.190	16.9	20.4

174220 2002 RW_{16} 12 14.5 82°.73 1°.6/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.62	+27 25.0	1.824	2.618	15.6	20.7
11 17	5 54.32	+27 35.2	1.756	2.634	12.2	20.6
11 27	5 46.25	+27 41.0	1.711	2.650	8.2	20.4
12 7	5 36.22	+27 40.2	1.691	2.666	3.9	20.1
12 17	5 25.41	+27 31.7	1.700	2.682	1.9	20.0
12 27	5 15.17	+27 16.4	1.738	2.697	5.7	20.3
1 6	5 6.70	+26 57.0	1.804	2.713	9.7	20.6
1 16	5 0.78	+26 36.7	1.894	2.728	13.2	20.8

286716 2002 GT_{81} 12 14.5 185°.32 4°.5/14.8 17

11 7	6 0.27	+37 5.6	2.758	3.511	11.9	21.7
11 17	5 54.42	+37 58.4	2.668	3.511	9.7	21.5
11 27	5 46.22	+38 44.3	2.601	3.510	7.3	21.3
12 7	5 36.25	+39 19.4	2.562	3.509	5.2	21.2
12 17	5 25.37	+39 40.4	2.553	3.508	4.6	21.2
12 27	5 14.66	+39 46.5	2.574	3.506	6.0	21.2
1 6	5 5.18	+39 39.1	2.624	3.504	8.3	21.4
1 16	4 57.72	+39 21.7	2.700	3.501	10.7	21.6

458613 2011 FZ_{62} 12 14.5 280°.19 6°.7/13.9 18

11 7	5 52.42	+ 2 41.1	2.339	3.100	13.5	21.2
11 17	5 48.16	+ 2 9.6	2.251	3.092	11.3	21.0
11 27	5 41.96	+ 1 49.5	2.185	3.084	9.0	20.8
12 7	5 34.34	+ 1 43.8	2.145	3.076	7.2	20.7
12 17	5 26.02	+ 1 54.8	2.132	3.069	6.8	20.7
12 27	5 17.88	+ 2 22.9	2.148	3.061	8.2	20.8
1 6	5 10.76	+ 3 6.7	2.190	3.053	10.5	20.9
1 16	5 5.31	+ 4 3.4	2.257	3.045	12.9	21.0

518373 2017 FO_{50} 12 14.5 90°.96 3°.6/14.9 17

11 7	5 58.42	+32 26.3	2.128	2.909	14.1	20.9
11 17	5 53.35	+33 2.3	2.049	2.914	11.2	20.7
11 27	5 45.64	+33 32.2	1.992	2.920	8.0	20.5
12 7	5 36.01	+33 52.3	1.961	2.925	4.8	20.3
12 17	5 25.46	+33 59.9	1.959	2.931	3.7	20.2
12 27	5 15.28	+33 54.9	1.986	2.936	6.0	20.4
1 6	5 6.62	+33 39.5	2.042	2.942	9.3	20.6
1 16	5 0.33	+33 17.6	2.122	2.947	12.3	20.8

274089 2008 CA_{16} 12 14.5 179°.36 2°.0/14.8 18

11 7	6 3.51	+28 39.5	2.109	2.885	14.4	21.8
11 17	5 57.21	+28 57.3	2.021	2.887	11.3	21.6
11 27	5 48.17	+29 10.5	1.955	2.889	7.7	21.4
12 7	5 37.12	+29 16.2	1.917	2.889	3.9	21.2
12 17	5 25.10	+29 12.7	1.909	2.889	2.3	21.1
12 27	5 13.44	+29 0.0	1.932	2.888	5.6	21.3
1 6	5 3.34	+28 40.6	1.984	2.886	9.4	21.5
1 16	4 55.69	+28 18.1	2.061	2.883	12.7	21.7

54963 Sotin 12 14.5 59°.40 2°.0/14.5 18

11 7	5 57.35	+16 58.1	1.739	2.538	16.0	18.7
11 17	5 52.51	+17 8.6	1.675	2.556	12.5	18.5
11 27	5 45.03	+17 24.0	1.634	2.574	8.4	18.3
12 7	5 35.69	+17 43.9	1.617	2.592	4.0	18.1
12 17	5 25.60	+18 7.5	1.630	2.610	2.3	18.0
12 27	5 16.01	+18 33.9	1.671	2.628	6.1	18.3
1 6	5 8.05	+19 2.7	1.739	2.647	10.1	18.6
1 16	5 2.51	+19 33.5	1.831	2.665	13.6	18.8

153354 2001 PF_{23} 12 14.5 75°.37 3°.1/15.0 18

11 7	6 3.75	+31 9.8	1.493	2.290	18.3	19.8
11 17	5 58.06	+31 17.6	1.435	2.312	14.4	19.6
11 27	5 48.92	+31 16.5	1.397	2.333	9.9	19.4
12 7	5 37.41	+31 2.8	1.383	2.355	5.3	19.2
12 17	5 25.06	+30 35.3	1.397	2.376	3.3	19.1
12 27	5 13.62	+29 56.5	1.439	2.397	6.9	19.4
1 6	5 4.53	+29 11.6	1.507	2.418	11.2	19.7
1 16	4 58.65	+28 26.3	1.599	2.438	14.9	20.0

519547 2012 QG_{53} 12 14.5 332°.31 0°.5/14.4 18

11 7	5 56.60	+23 50.3	1.388	2.208	18.3	20.9
11 17	5 52.98	+23 29.2	1.308	2.201	14.4	20.6
11 27	5 45.94	+23 4.4	1.247	2.194	9.6	20.3
12 7	5 36.29	+22 35.6	1.210	2.188	4.3	20.0
12 17	5 25.37	+22 3.6	1.200	2.183	1.5	19.8
12 27	5 14.89	+21 31.0	1.215	2.178	7.1	20.1
1 6	5 6.44	+21 1.4	1.256	2.173	12.3	20.4
1 16	5 1.07	+20 38.2	1.319	2.169	16.8	20.7

399864 2005 UH_{413} 12 14.5 55°.22 1°.3/14.4 18

11 7	5 55.43	+20 15.5	1.910	2.709	14.8	21.0
11 17	5 50.89	+20 6.1	1.838	2.719	11.5	20.8
11 27	5 43.90	+19 57.5	1.788	2.730	7.6	20.6
12 7	5 35.20	+19 49.8	1.764	2.741	3.5	20.4
12 17	5 25.76	+19 43.3	1.769	2.751	1.7	20.3
12 27	5 16.76	+19 38.7	1.803	2.762	5.6	20.5
1 6	5 9.22	+19 37.2	1.865	2.773	9.5	20.8
1 16	5 3.91	+19 39.5	1.951	2.785	12.9	21.0

216152 2006 SU_{290} 12 14.5 169°.08 5°.3/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.05	+11 10.6	2.013	2.800	14.6	20.3
11 17	5 50.41	+10 9.0	1.933	2.801	11.7	20.1
11 27	5 43.52	+ 9 12.3	1.877	2.802	8.6	19.9
12 7	5 35.03	+ 8 24.0	1.846	2.802	5.9	19.7
12 17	5 25.82	+ 7 47.5	1.843	2.803	5.5	19.7
12 27	5 16.95	+ 7 25.2	1.870	2.803	7.7	19.8
1 6	5 9.38	+ 7 17.8	1.923	2.804	10.8	20.0
1 16	5 3.83	+ 7 24.4	1.999	2.804	13.7	20.2

251111 2006 SM_{309} 12 14.5 166°.38 3°.0/14.9 18

11 7	5 59.60	+31 35.8	2.155	2.934	14.0	21.7
11 17	5 54.20	+31 58.8	2.070	2.936	11.1	21.5
11 27	5 46.18	+32 15.7	2.009	2.939	7.8	21.3
12 7	5 36.25	+32 23.2	1.973	2.941	4.4	21.1
12 17	5 25.42	+32 19.4	1.967	2.942	3.2	21.0
12 27	5 14.95	+32 4.5	1.991	2.944	5.8	21.2
1 6	5 5.99	+31 40.9	2.043	2.945	9.2	21.4
1 16	4 59.38	+31 12.6	2.121	2.946	12.3	21.6

223599 2004 GA_{61} 12 14.5 253°.32 1°.5/14.4 18

11 7	5 58.64	+20 15.5	1.668	2.470	16.5	21.2
11 17	5 54.06	+20 4.2	1.576	2.459	13.0	20.9
11 27	5 46.44	+19 53.6	1.506	2.448	8.7	20.6
12 7	5 36.49	+19 43.6	1.461	2.437	4.1	20.3
12 17	5 25.31	+19 34.6	1.443	2.425	2.0	20.2
12 27	5 14.38	+19 27.4	1.454	2.413	6.7	20.4
1 6	5 5.08	+19 23.8	1.492	2.401	11.4	20.7
1 16	4 58.46	+19 25.2	1.553	2.389	15.5	20.9

286967 2002 PR_{194} 12 14.5 248°.15 1°.3/14.7 18

11 7	5 59.09	+27 5.1	2.101	2.887	14.1	21.3
11 17	5 53.96	+27 11.8	1.998	2.871	11.1	21.1
11 27	5 46.17	+27 14.7	1.918	2.855	7.5	20.8
12 7	5 36.32	+27 11.9	1.864	2.838	3.6	20.6
12 17	5 25.38	+27 2.1	1.839	2.821	1.7	20.4
12 27	5 14.61	+26 45.5	1.845	2.804	5.5	20.6
1 6	5 5.21	+26 24.5	1.879	2.785	9.6	20.8
1 16	4 58.11	+26 2.2	1.938	2.767	13.2	21.0

191006 2001 YE_{109} 12 14.5 56°.60 1°.3/14.6 18

11 7	6 2.41	+25 39.5	1.336	2.147	19.3	19.7
11 17	5 57.11	+25 54.4	1.287	2.175	15.0	19.5
11 27	5 48.32	+26 5.8	1.259	2.203	9.9	19.3
12 7	5 37.16	+26 11.2	1.255	2.231	4.5	19.0
12 17	5 25.19	+26 8.7	1.277	2.260	1.8	18.9
12 27	5 14.21	+25 59.7	1.327	2.289	6.8	19.3
1 6	5 5.64	+25 47.1	1.402	2.317	11.5	19.7
1 16	5 0.30	+25 34.7	1.500	2.346	15.4	20.0

463571 2013 RW_{82} 12 14.5 168°.60 10°.5/16.9 17

11 7	6 17.56	+62 54.9	3.063	3.675	13.3	22.2
11 17	6 9.66	+64 15.8	2.993	3.678	12.3	22.1
11 27	5 57.32	+65 19.4	2.941	3.681	11.4	22.1
12 7	5 41.41	+65 58.5	2.910	3.683	10.7	22.0
12 17	5 23.68	+66 7.4	2.902	3.685	10.5	22.0
12 27	5 6.52	+65 44.9	2.917	3.686	10.7	22.0
1 6	4 52.09	+64 54.9	2.954	3.687	11.4	22.1
1 16	4 41.76	+63 44.4	3.012	3.688	12.3	22.2

197162 2003 UU_{273} 12 14.5 137°.18 5°.7/13.3 18

11 7	5 52.56	+ 6 17.3	2.552	3.319	12.4	20.2
11 17	5 47.98	+ 5 22.1	2.476	3.324	10.1	20.0
11 27	5 41.67	+ 4 34.3	2.422	3.330	7.8	19.9
12 7	5 34.17	+ 3 56.8	2.396	3.335	6.1	19.8
12 17	5 26.15	+ 3 32.4	2.399	3.340	5.8	19.8
12 27	5 18.39	+ 3 22.3	2.430	3.345	7.2	19.9
1 6	5 11.63	+ 3 26.4	2.489	3.350	9.4	20.0
1 16	5 6.42	+ 3 43.5	2.572	3.354	11.7	20.2

514129 2015 GX_{30} 12 14.5 195°.94 0°.6/14.6 18

11 7	6 0.75	+24 20.4	1.570	2.373	17.3	22.3
11 17	5 55.86	+24 28.9	1.489	2.372	13.6	22.0
11 27	5 47.70	+24 35.8	1.428	2.371	9.1	21.8
12 7	5 37.04	+24 39.0	1.393	2.370	4.1	21.5
12 17	5 25.17	+24 37.1	1.385	2.368	1.4	21.3
12 27	5 13.72	+24 30.3	1.405	2.366	6.6	21.6
1 6	5 4.17	+24 20.9	1.452	2.364	11.4	21.9
1 16	4 57.57	+24 12.1	1.522	2.362	15.5	22.1

186718 2004 BG_{97} 12 14.5 12°.07 4°.9/14.2 18

11 7	5 56.30	+13 48.9	1.295	2.114	19.4	19.7
11 17	5 52.66	+13 18.1	1.225	2.115	15.4	19.4
11 27	5 45.66	+12 54.8	1.175	2.116	10.9	19.2
12 7	5 36.16	+12 42.0	1.148	2.118	6.4	18.9
12 17	5 25.49	+12 41.7	1.146	2.120	5.1	18.9
12 27	5 15.31	+12 54.9	1.170	2.123	8.8	19.1
1 6	5 7.14	+13 20.8	1.217	2.126	13.4	19.3
1 16	5 2.01	+13 57.6	1.286	2.130	17.6	19.6

137503 1999 VZ_{19} 12 14.5 96°.59 2°.9/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 5.70	+29 0.0	1.575	2.367	17.8	20.0
11 17	5 59.49	+29 35.1	1.515	2.390	13.9	19.8
11 27	5 49.89	+30 5.0	1.476	2.412	9.5	19.6
12 7	5 37.89	+30 24.9	1.463	2.434	5.0	19.4
12 17	5 24.96	+30 32.0	1.477	2.456	3.1	19.3
12 27	5 12.80	+30 26.3	1.521	2.477	6.8	19.6
1 6	5 2.89	+30 11.4	1.591	2.497	11.0	19.9
1 16	4 56.13	+29 52.2	1.685	2.517	14.6	20.2

365274 2009 QV_{36} 12 14.5 82°.42 4°.3/14.0 18

11 7	5 53.97	+11 15.6	2.175	2.959	13.7	20.9
11 17	5 49.38	+10 45.8	2.102	2.969	10.9	20.8
11 27	5 42.74	+10 22.4	2.053	2.980	7.8	20.6
12 7	5 34.68	+10 7.3	2.030	2.990	5.1	20.4
12 17	5 26.02	+10 2.1	2.036	3.001	4.4	20.4
12 27	5 17.71	+10 7.5	2.070	3.011	6.6	20.6
1 6	5 10.61	+10 23.2	2.133	3.022	9.5	20.8
1 16	5 5.36	+10 47.9	2.220	3.032	12.3	21.0

195093 2002 CZ_{118} 12 14.5 256°.99 0°.2/14.6 18

11 7	5 58.57	+24 7.3	1.823	2.620	15.5	20.7
11 17	5 53.86	+24 5.4	1.727	2.608	12.2	20.5
11 27	5 46.25	+24 1.3	1.653	2.595	8.2	20.2
12 7	5 36.42	+23 53.9	1.605	2.581	3.6	19.9
12 17	5 25.42	+23 42.3	1.584	2.568	1.2	19.7
12 27	5 14.64	+23 27.5	1.593	2.554	6.0	20.0
1 6	5 5.40	+23 11.6	1.630	2.540	10.5	20.3
1 16	4 58.70	+22 57.4	1.690	2.525	14.5	20.5

78969 2003 SO_{294} 12 14.5 143°.53 2°.2/14.1 18

11 7	5 53.78	+15 29.8	2.993	3.767	10.6	20.5
11 17	5 48.68	+15 11.1	2.913	3.778	8.3	20.4
11 27	5 42.03	+14 54.9	2.858	3.789	5.7	20.2
12 7	5 34.32	+14 41.9	2.831	3.799	3.1	20.1
12 17	5 26.16	+14 32.9	2.835	3.809	2.4	20.0
12 27	5 18.26	+14 28.5	2.871	3.819	4.5	20.2
1 6	5 11.25	+14 29.1	2.936	3.828	7.1	20.4
1 16	5 5.66	+14 34.9	3.028	3.836	9.4	20.5

334158 2001 SV_{11} 12 14.5 35°.88 5°.2/14.2 18

11 7	5 56.22	+12 44.7	1.329	2.145	19.2	20.5
11 17	5 52.37	+12 11.4	1.267	2.153	15.2	20.3
11 27	5 45.32	+11 46.7	1.224	2.162	10.8	20.1
12 7	5 35.97	+11 33.7	1.204	2.171	6.6	19.9
12 17	5 25.62	+11 34.5	1.209	2.181	5.5	19.9
12 27	5 15.86	+11 49.7	1.241	2.192	8.7	20.1
1 6	5 8.08	+12 18.1	1.297	2.203	13.0	20.3
1 16	5 3.20	+12 57.4	1.374	2.214	16.9	20.6

319763 2006 UQ_{208} 12 14.5 159°.83 1°.1/14.6 18

11 7	6 2.94	+25 36.3	1.827	2.615	15.8	22.2
11 17	5 57.06	+25 51.3	1.747	2.621	12.4	21.9
11 27	5 48.23	+26 3.9	1.689	2.627	8.3	21.7
12 7	5 37.22	+26 11.5	1.658	2.633	3.8	21.5
12 17	5 25.20	+26 12.4	1.655	2.637	1.6	21.3
12 27	5 13.63	+26 6.9	1.683	2.641	5.9	21.6
1 6	5 3.81	+25 57.0	1.738	2.645	10.2	21.9
1 16	4 56.66	+25 45.9	1.818	2.647	13.9	22.1

133890 2004 QL_{17} 12 14.5 109°.33 0°.4/14.7 17

11 7	6 10.58	+31 16.7	1.112	1.922	22.5	19.3
11 17	6 4.30	+29 47.2	1.045	1.930	17.8	19.1
11 27	5 53.48	+27 57.2	0.996	1.939	12.0	18.8
12 7	5 39.52	+25 47.4	0.971	1.947	5.4	18.4
12 17	5 24.53	+23 24.5	0.972	1.956	1.7	18.2
12 27	5 10.91	+21 1.1	1.002	1.963	8.4	18.6
1 6	5 0.51	+18 51.1	1.057	1.971	14.4	19.0
1 16	4 54.27	+17 3.6	1.133	1.978	19.4	19.3

150710 2001 PX_{61} 12 14.5 119°.66 1°.4/14.4 18

11 7	6 1.57	+19 58.0	1.877	2.665	15.4	21.2
11 17	5 55.57	+19 47.6	1.808	2.684	12.0	21.1
11 27	5 46.97	+19 38.1	1.763	2.702	8.0	20.9
12 7	5 36.57	+19 29.3	1.744	2.719	3.7	20.6
12 17	5 25.46	+19 21.4	1.754	2.736	1.8	20.5
12 27	5 14.90	+19 15.2	1.795	2.752	5.8	20.8
1 6	5 6.00	+19 12.2	1.863	2.767	9.8	21.1
1 16	4 59.52	+19 13.2	1.957	2.782	13.2	21.3

520316 2014 GR_{25} 12 14.5 347°.05 0°.9/14.7 18

11 7	5 57.05	+27 2.6	1.429	2.244	18.1	20.8
11 17	5 53.29	+26 45.3	1.350	2.240	14.2	20.5
11 27	5 46.12	+26 21.2	1.291	2.236	9.6	20.2
12 7	5 36.40	+25 49.1	1.256	2.233	4.4	19.9
12 17	5 25.49	+25 9.3	1.248	2.231	1.6	19.7
12 27	5 15.09	+24 24.6	1.266	2.229	6.8	20.1
1 6	5 6.75	+23 39.7	1.309	2.227	11.9	20.3
1 16	5 1.49	+22 59.4	1.376	2.226	16.2	20.6

186720 2004 BN_{106} 12 14.5 312°.24 1°.6/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.92	+27 2.0	1.398	2.212	18.5	20.2
11 17	5 54.97	+27 8.1	1.317	2.206	14.6	19.9
11 27	5 47.40	+27 9.4	1.255	2.199	9.9	19.6
12 7	5 37.04	+27 3.3	1.217	2.193	4.7	19.3
12 17	5 25.26	+26 48.0	1.205	2.187	2.1	19.1
12 27	5 13.91	+26 24.6	1.220	2.182	7.2	19.5
1 6	5 4.68	+25 56.8	1.260	2.177	12.3	19.7
1 16	4 58.72	+25 29.5	1.322	2.172	16.8	20.0

177751 2005 JB_{75} 12 14.5 159°.86 4°.5/15.1 18

11 7	6 4.65	+33 47.6	1.689	2.472	17.1	20.3
11 17	5 58.95	+34 19.5	1.610	2.477	13.7	20.1
11 27	5 49.76	+34 42.5	1.553	2.481	9.8	19.9
12 7	5 37.98	+34 51.5	1.521	2.484	6.1	19.7
12 17	5 24.98	+34 42.7	1.516	2.488	4.6	19.6
12 27	5 12.53	+34 16.5	1.540	2.490	7.4	19.8
1 6	5 2.21	+33 37.5	1.590	2.492	11.3	20.0
1 16	4 55.06	+32 52.2	1.664	2.494	14.9	20.2

55271 2001 RV_{150} 12 14.5 290°.71 4°.0/14.4 18

11 7	5 57.02	+13 45.4	1.556	2.360	17.4	19.2
11 17	5 52.86	+13 32.6	1.473	2.354	13.8	19.0
11 27	5 45.68	+13 27.1	1.410	2.348	9.7	18.7
12 7	5 36.21	+13 30.9	1.372	2.342	5.6	18.5
12 17	5 25.55	+13 44.7	1.360	2.335	4.3	18.4
12 27	5 15.17	+14 8.6	1.376	2.329	7.7	18.6
1 6	5 6.44	+14 41.7	1.418	2.323	12.1	18.8
1 16	5 0.39	+15 22.6	1.482	2.318	16.1	19.1

231037 2005 ER_{275} 12 14.5 262°.09 1°.4/14.3 18

11 7	5 53.21	+19 23.8	2.552	3.339	11.9	21.1
11 17	5 48.75	+19 7.5	2.453	3.328	9.3	20.9
11 27	5 42.37	+18 51.6	2.378	3.316	6.2	20.7
12 7	5 34.59	+18 36.6	2.330	3.305	3.0	20.4
12 17	5 26.11	+18 23.0	2.312	3.293	1.7	20.3
12 27	5 17.79	+18 11.9	2.325	3.281	4.8	20.5
1 6	5 10.47	+18 4.2	2.367	3.269	8.1	20.7
1 16	5 4.81	+18 0.8	2.435	3.257	11.0	20.9

49571 1999 CA_{113} 12 14.5 278°.97 9°.0/13.6 18

11 7	5 51.69	− 5 23.2	2.470	3.198	13.7	19.6
11 17	5 47.46	− 6 16.2	2.394	3.196	12.0	19.4
11 27	5 41.44	− 6 54.4	2.340	3.194	10.4	19.3
12 7	5 34.15	− 7 13.4	2.309	3.192	9.2	19.3
12 17	5 26.27	− 7 10.5	2.304	3.190	9.1	19.2
12 27	5 18.61	− 6 44.8	2.325	3.189	9.9	19.3
1 6	5 11.92	− 5 58.2	2.372	3.187	11.5	19.4
1 16	5 6.81	− 4 54.1	2.440	3.185	13.2	19.5

72655 2001 FK_{46} 12 14.5 121°.95 4°.3/13.9 18

11 7	5 53.18	+10 20.9	2.450	3.227	12.6	19.5
11 17	5 48.57	+ 9 45.4	2.373	3.234	10.0	19.4
11 27	5 42.14	+ 9 15.8	2.319	3.241	7.3	19.2
12 7	5 34.44	+ 8 54.1	2.292	3.248	5.0	19.1
12 17	5 26.18	+ 8 42.1	2.294	3.254	4.5	19.1
12 27	5 18.21	+ 8 40.8	2.325	3.261	6.3	19.2
1 6	5 11.29	+ 8 50.1	2.385	3.267	8.9	19.4
1 16	5 6.01	+ 9 8.9	2.470	3.273	11.5	19.5

274991 2009 TQ_{14} 12 14.5 345°.54 5°.3/14.9 18

11 7	6 0.47	+32 54.7	1.386	2.193	19.0	20.3
11 17	5 56.53	+33 45.1	1.310	2.190	15.3	20.0
11 27	5 48.64	+34 28.2	1.253	2.187	11.0	19.8
12 7	5 37.65	+34 57.5	1.220	2.185	6.9	19.5
12 17	5 25.08	+35 7.3	1.211	2.183	5.4	19.5
12 27	5 12.98	+34 56.6	1.229	2.182	8.5	19.6
1 6	5 3.22	+34 29.6	1.271	2.181	12.9	19.9
1 16	4 57.08	+33 53.4	1.335	2.180	17.0	20.1

177486 2004 EZ_{29} 12 14.5 58°.83 3°.3/14.9 18

11 7	5 59.11	+31 0.9	1.786	2.579	15.9	20.4
11 17	5 54.27	+31 28.4	1.713	2.588	12.6	20.2
11 27	5 46.45	+31 49.5	1.663	2.597	8.8	20.0
12 7	5 36.47	+32 0.6	1.638	2.607	4.9	19.8
12 17	5 25.52	+31 59.1	1.640	2.616	3.4	19.7
12 27	5 15.08	+31 45.4	1.671	2.626	6.4	19.9
1 6	5 6.47	+31 22.7	1.729	2.636	10.2	20.1
1 16	5 0.56	+30 55.4	1.810	2.646	13.6	20.4

81170 2000 ES_{165} 12 14.5 96°.75 1°.7/14.4 18

11 7	5 56.90	+19 11.0	1.908	2.704	14.9	19.8
11 17	5 52.07	+18 59.9	1.832	2.712	11.6	19.6
11 27	5 44.75	+18 50.4	1.780	2.720	7.8	19.4
12 7	5 35.66	+18 42.6	1.753	2.728	3.7	19.1
12 17	5 25.79	+18 37.1	1.755	2.736	2.0	19.0
12 27	5 16.33	+18 34.5	1.786	2.744	5.8	19.3
1 6	5 8.35	+18 35.7	1.845	2.751	9.7	19.6
1 16	5 2.62	+18 41.5	1.928	2.759	13.1	19.8

171616 2000 BL_{22} 12 14.5 260°.13 0°.6/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.81	+21 34.6	1.935	2.731	14.7	21.0
11 17	5 52.24	+21 34.0	1.842	2.722	11.5	20.8
11 27	5 45.05	+21 33.6	1.772	2.714	7.7	20.6
12 7	5 35.88	+21 32.8	1.728	2.705	3.4	20.3
12 17	5 25.70	+21 31.1	1.713	2.696	1.3	20.1
12 27	5 15.75	+21 29.1	1.727	2.687	5.7	20.4
1 6	5 7.20	+21 28.0	1.769	2.678	9.9	20.6
1 16	5 0.95	+21 29.1	1.835	2.669	13.6	20.8

445229 2009 HD_{38} 12 14.5 324°.73 7°.8/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.96	+ 6 35.8	1.557	2.356	17.6	20.7
11 17	5 49.66	+ 5 46.6	1.473	2.343	14.5	20.5
11 27	5 43.55	+ 5 8.8	1.409	2.330	11.2	20.3
12 7	5 35.29	+ 4 47.7	1.369	2.318	8.5	20.1
12 17	5 25.90	+ 4 47.0	1.353	2.307	7.9	20.0
12 27	5 16.74	+ 5 8.6	1.363	2.296	10.1	20.1
1 6	5 9.08	+ 5 50.8	1.398	2.285	13.6	20.3
1 16	5 3.89	+ 6 50.0	1.454	2.276	17.1	20.5

263925 2009 HW_{18} 12 14.5 152°.68 3°.9/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.55	+11 43.5	2.447	3.221	12.6	22.0
11 17	5 50.40	+11 10.8	2.367	3.229	10.1	21.9
11 27	5 43.35	+10 43.0	2.311	3.236	7.2	21.7
12 7	5 34.99	+10 22.1	2.283	3.243	4.7	21.5
12 17	5 26.05	+10 9.6	2.284	3.249	4.1	21.5
12 27	5 17.40	+10 6.5	2.316	3.255	6.1	21.7
1 6	5 9.85	+10 12.8	2.376	3.260	8.9	21.8
1 16	5 4.01	+10 28.0	2.462	3.265	11.5	22.0

380380 2002 UP_{73} 12 14.5 349°.62 0°.3/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.67	+23 12.4	1.180	2.014	20.0	21.0
11 17	5 52.07	+23 7.6	1.106	2.007	15.7	20.7
11 27	5 45.68	+23 1.4	1.052	2.002	10.5	20.4
12 7	5 36.37	+22 52.9	1.019	1.997	4.7	20.0
12 17	5 25.58	+22 41.6	1.010	1.994	1.6	19.8
12 27	5 15.27	+22 29.0	1.027	1.991	7.7	20.2
1 6	5 7.22	+22 17.7	1.067	1.990	13.3	20.5
1 16	5 2.61	+22 10.7	1.127	1.990	18.1	20.8

329127 2011 CU_{67} 12 14.5 94°.65 4°.1/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.46	+10 16.7	2.304	3.084	13.2	20.4
11 17	5 49.02	+10 3.4	2.220	3.084	10.5	20.2
11 27	5 42.58	+ 9 57.4	2.159	3.084	7.6	20.1
12 7	5 34.71	+10 0.4	2.125	3.084	5.0	19.9
12 17	5 26.16	+10 13.1	2.119	3.085	4.3	19.9
12 27	5 17.84	+10 35.7	2.143	3.085	6.3	20.0
1 6	5 10.61	+11 7.3	2.195	3.085	9.2	20.2
1 16	5 5.12	+11 46.5	2.272	3.085	12.0	20.4

449489 2014 FP_{46} 12 14.5 206°.55 5°.4/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.20	+35 44.1	2.041	2.810	15.0	21.0
11 17	5 57.61	+36 47.6	1.953	2.807	12.2	20.8
11 27	5 48.88	+37 44.5	1.887	2.803	9.1	20.6
12 7	5 37.68	+38 28.7	1.847	2.799	6.3	20.5
12 17	5 25.17	+38 55.2	1.835	2.795	5.5	20.4
12 27	5 12.87	+39 2.3	1.853	2.790	7.5	20.5
1 6	5 2.25	+38 52.1	1.897	2.785	10.6	20.7
1 16	4 54.39	+38 29.7	1.966	2.779	13.6	20.9

44603 1999 RT_{12} 12 14.6 240°.53 0°.1/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.59	+24 27.2	1.595	2.397	17.1	18.6
11 17	5 55.80	+24 14.4	1.505	2.388	13.5	18.4
11 27	5 47.75	+23 57.9	1.437	2.380	9.1	18.1
12 7	5 37.19	+23 36.8	1.394	2.371	4.0	17.8
12 17	5 25.37	+23 10.9	1.378	2.362	1.3	17.5
12 27	5 13.89	+22 42.0	1.391	2.352	6.6	17.9
1 6	5 4.26	+22 13.4	1.430	2.342	11.5	18.1
1 16	4 57.54	+21 48.8	1.493	2.332	15.8	18.4

153022 2000 LV_{6} 12 14.6 238°.34 2°.8/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.87	+17 34.6	1.648	2.451	16.6	20.6
11 17	5 53.35	+17 10.3	1.565	2.447	13.1	20.4
11 27	5 45.92	+16 48.4	1.503	2.444	8.9	20.1
12 7	5 36.32	+16 30.1	1.467	2.440	4.6	19.9
12 17	5 25.66	+16 16.8	1.457	2.436	3.1	19.8
12 27	5 15.35	+16 9.9	1.476	2.432	7.0	20.0
1 6	5 6.68	+16 10.4	1.522	2.428	11.4	20.2
1 16	5 0.61	+16 19.0	1.591	2.424	15.3	20.5

221567 2006 UW_{335} 12 14.6 114°.20 1°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.80	+27 58.6	1.613	2.407	17.3	20.7
11 17	5 57.91	+27 45.3	1.544	2.422	13.5	20.4
11 27	5 48.83	+27 25.2	1.497	2.436	9.1	20.2
12 7	5 37.51	+26 56.5	1.474	2.449	4.2	20.0
12 17	5 25.32	+26 19.3	1.480	2.463	1.7	19.8
12 27	5 13.87	+25 36.2	1.515	2.475	6.3	20.2
1 6	5 4.52	+24 51.8	1.577	2.487	10.8	20.4
1 16	4 58.13	+24 10.6	1.663	2.499	14.6	20.7

309375 2007 TO_{114} 12 14.6 199°.92 3°.8/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.27	+30 30.2	1.432	2.234	18.7	21.0
11 17	5 58.46	+31 3.0	1.353	2.233	14.9	20.7
11 27	5 49.81	+31 29.8	1.295	2.232	10.4	20.5
12 7	5 38.18	+31 45.1	1.260	2.231	5.8	20.2
12 17	5 25.06	+31 44.9	1.252	2.229	3.9	20.1
12 27	5 12.43	+31 28.9	1.270	2.227	7.7	20.3
1 6	5 2.09	+31 1.2	1.315	2.226	12.4	20.6
1 16	4 55.26	+30 28.2	1.381	2.223	16.7	20.8

57102 2001 OJ_{71} 12 14.6 69°.68 4°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.95	+13 30.0	1.470	2.275	18.2	19.1
11 17	5 54.15	+13 12.5	1.410	2.291	14.4	18.9
11 27	5 46.36	+13 2.9	1.370	2.307	10.0	18.6
12 7	5 36.45	+13 3.0	1.354	2.323	5.8	18.4
12 17	5 25.67	+13 13.5	1.365	2.339	4.4	18.4
12 27	5 15.52	+13 34.2	1.403	2.356	7.7	18.6
1 6	5 7.27	+14 4.2	1.467	2.372	11.9	18.9
1 16	5 1.77	+14 41.6	1.554	2.388	15.6	19.2

521972 2015 VE_{162} 12 14.6 226°.16 0°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.19	+19 37.9	2.739	3.520	11.3	21.8
11 17	5 49.42	+19 51.2	2.642	3.513	8.8	21.6
11 27	5 42.81	+20 6.4	2.569	3.507	5.9	21.4
12 7	5 34.83	+20 22.8	2.525	3.500	2.7	21.2
12 17	5 26.17	+20 39.9	2.511	3.493	1.1	21.1
12 27	5 17.64	+20 57.3	2.528	3.486	4.3	21.3
1 6	5 10.04	+21 15.1	2.575	3.478	7.4	21.5
1 16	5 4.01	+21 33.5	2.649	3.471	10.2	21.7

147358 2003 CZ_{2} 12 14.6 352°.87 6°.5/16.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.74	+39 36.9	1.559	2.347	18.1	19.7
11 17	5 54.87	+39 51.6	1.479	2.342	14.9	19.4
11 27	5 47.31	+39 50.3	1.419	2.338	11.3	19.2
12 7	5 37.00	+39 27.4	1.382	2.335	7.9	19.0
12 17	5 25.48	+38 40.0	1.370	2.333	6.5	18.9
12 27	5 14.61	+37 30.2	1.384	2.331	8.5	19.0
1 6	5 6.05	+36 5.3	1.424	2.330	12.0	19.2
1 16	5 0.83	+34 34.3	1.487	2.330	15.6	19.5

522243 2016 AM_{272} 12 14.6 224°.46 1°.9/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.81	+29 2.6	2.519	3.299	12.2	21.8
11 17	5 50.95	+29 16.9	2.426	3.295	9.6	21.6
11 27	5 43.94	+29 27.2	2.357	3.291	6.6	21.4
12 7	5 35.36	+29 31.5	2.315	3.287	3.4	21.2
12 17	5 26.01	+29 28.5	2.303	3.282	2.0	21.1
12 27	5 16.90	+29 18.5	2.321	3.278	4.8	21.3
1 6	5 8.94	+29 3.2	2.369	3.273	8.0	21.5
1 16	5 2.86	+28 44.9	2.442	3.268	10.9	21.7

320985 2008 JH_{23} 12 14.6 325°.86 1°.0/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.39	+20 19.8	2.032	2.828	14.2	21.6
11 17	5 50.93	+20 18.2	1.947	2.826	11.0	21.4
11 27	5 44.07	+20 17.8	1.884	2.825	7.4	21.2
12 7	5 35.45	+20 18.1	1.848	2.824	3.4	20.9
12 17	5 25.99	+20 19.2	1.841	2.823	1.5	20.8
12 27	5 16.81	+20 21.3	1.863	2.822	5.4	21.0
1 6	5 8.96	+20 25.2	1.913	2.821	9.3	21.3
1 16	5 3.23	+20 31.9	1.988	2.820	12.7	21.5

518658 2008 SF_{37} 12 14.6 102°.45 0°.9/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.96	+20 37.5	2.527	3.311	12.0	22.0
11 17	5 49.96	+20 29.6	2.452	3.326	9.3	21.9
11 27	5 43.07	+20 21.8	2.402	3.341	6.2	21.7
12 7	5 34.90	+20 14.3	2.380	3.355	2.8	21.5
12 17	5 26.21	+20 7.1	2.388	3.370	1.3	21.4
12 27	5 17.85	+20 0.9	2.427	3.384	4.5	21.7
1 6	5 10.61	+19 56.7	2.495	3.398	7.6	21.9
1 16	5 5.10	+19 55.2	2.589	3.412	10.4	22.1

491522 2012 KP_{3} 12 14.6 166°.30 2°.8/14.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.96	+13 6.7	3.053	3.823	10.5	23.1
11 17	5 48.11	+12 46.8	2.966	3.828	8.3	23.0
11 27	5 41.74	+12 30.4	2.905	3.832	5.8	22.8
12 7	5 34.30	+12 18.7	2.872	3.836	3.5	22.6
12 17	5 26.40	+12 12.5	2.870	3.839	2.9	22.6
12 27	5 18.69	+12 12.5	2.899	3.842	4.8	22.7
1 6	5 11.82	+12 18.8	2.957	3.844	7.2	22.9
1 16	5 6.30	+12 31.0	3.042	3.846	9.5	23.1

164613 1981 EQ_{38} 12 14.6 267°.43 7°.8/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.02	+ 5 26.4	1.847	2.626	16.0	20.3
11 17	5 50.79	+ 4 17.9	1.760	2.616	13.3	20.1
11 27	5 44.07	+ 3 18.7	1.695	2.604	10.5	19.9
12 7	5 35.50	+ 2 33.9	1.655	2.593	8.3	19.7
12 17	5 25.99	+ 2 8.0	1.641	2.582	8.0	19.7
12 27	5 16.70	+ 2 3.7	1.654	2.570	9.9	19.8
1 6	5 8.72	+ 2 20.5	1.692	2.559	12.8	19.9
1 16	5 2.90	+ 2 56.0	1.752	2.547	15.8	20.1

484812 2009 EM_{23} 12 14.6 267°.47 2°.3/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.38	+28 20.5	2.067	2.852	14.3	21.8
11 17	5 54.48	+28 48.7	1.959	2.831	11.4	21.5
11 27	5 46.75	+29 14.1	1.874	2.809	7.9	21.3
12 7	5 36.79	+29 33.6	1.815	2.787	4.1	21.0
12 17	5 25.55	+29 44.5	1.785	2.765	2.5	20.8
12 27	5 14.34	+29 45.8	1.785	2.742	5.9	21.0
1 6	5 4.47	+29 38.9	1.813	2.719	9.9	21.2
1 16	4 56.99	+29 27.0	1.866	2.695	13.6	21.4

368311 2002 PD_{80} 12 14.6 121°.82 1°.7/15.1 17

11 7	5 57.85	+31 5.9	2.752	3.520	11.5	21.1
11 17	5 52.10	+30 51.3	2.672	3.534	9.0	21.0
11 27	5 44.43	+30 30.1	2.617	3.547	6.2	20.8
12 7	5 35.48	+30 1.3	2.590	3.561	3.2	20.6
12 17	5 26.06	+29 25.0	2.594	3.573	1.9	20.6
12 27	5 17.05	+28 42.9	2.630	3.586	4.3	20.8
1 6	5 9.27	+27 57.5	2.696	3.598	7.2	21.0
1 16	5 3.28	+27 12.0	2.789	3.610	9.8	21.2

246462 2007 VJ_{274} 12 14.6 178°.63 0°.5/14.5 18

11 7	5 58.51	+21 12.3	2.203	2.987	13.6	21.2
11 17	5 53.17	+21 22.6	2.115	2.989	10.6	21.0
11 27	5 45.48	+21 33.8	2.051	2.990	7.0	20.8
12 7	5 36.08	+21 44.9	2.014	2.990	3.1	20.5
12 17	5 25.84	+21 55.0	2.007	2.990	1.1	20.4
12 27	5 15.85	+22 4.1	2.031	2.990	5.1	20.6
1 6	5 7.16	+22 12.6	2.084	2.989	8.8	20.9
1 16	5 0.53	+22 21.7	2.162	2.988	12.1	21.1

19381 1998 BB_{15} 12 14.6 310°.43 3°.4/14.2 18

11 7	5 56.10	+17 37.4	1.276	2.100	19.4	18.6
11 17	5 52.96	+17 7.8	1.191	2.085	15.4	18.3
11 27	5 46.25	+16 40.7	1.126	2.071	10.6	18.0
12 7	5 36.70	+16 18.2	1.083	2.057	5.5	17.7
12 17	5 25.60	+16 2.4	1.065	2.044	3.8	17.5
12 27	5 14.75	+15 55.5	1.073	2.031	8.5	17.8
1 6	5 5.88	+15 58.9	1.104	2.019	13.8	18.0
1 16	5 0.22	+16 13.1	1.156	2.007	18.6	18.3

514987 2009 FZ_{38} 12 14.6 249°.38 8°.0/13.8 18

11 7	5 54.80	+ 2 57.2	1.910	2.681	15.8	21.1
11 17	5 50.45	+ 2 5.8	1.831	2.678	13.2	20.9
11 27	5 43.74	+ 1 27.0	1.773	2.675	10.6	20.7
12 7	5 35.33	+ 1 5.3	1.740	2.672	8.5	20.6
12 17	5 26.08	+ 1 3.9	1.733	2.668	8.1	20.6
12 27	5 17.11	+ 1 24.1	1.752	2.665	9.7	20.7
1 6	5 9.43	+ 2 4.1	1.798	2.662	12.3	20.8
1 16	5 3.83	+ 3 0.5	1.866	2.659	15.0	21.0

914 Palisana 12 14.6 118°.12 1°.7/14.0 18

11 7	6 4.57	+23 24.8	1.949	2.730	15.2	13.2
11 17	5 57.67	+22 9.6	1.876	2.747	11.8	13.0
11 27	5 48.24	+20 48.7	1.827	2.765	7.8	12.8
12 7	5 37.16	+19 24.2	1.807	2.782	3.6	12.6
12 17	5 25.54	+17 59.9	1.817	2.798	2.2	12.5
12 27	5 14.65	+16 40.7	1.860	2.813	6.0	12.8
1 6	5 5.51	+15 31.1	1.931	2.828	9.9	13.1
1 16	4 58.81	+14 34.0	2.029	2.842	13.2	13.3

4167 Riemann 12 14.6 162°.54 7°.7/13.9 18

11 7	5 55.95	+ 2 39.4	2.040	2.803	15.2	16.6
11 17	5 51.12	+ 1 50.5	1.965	2.806	12.7	16.5
11 27	5 44.07	+ 1 13.9	1.911	2.809	10.1	16.3
12 7	5 35.43	+ 0 53.6	1.882	2.812	8.1	16.2
12 17	5 26.06	+ 0 52.6	1.881	2.814	7.8	16.2
12 27	5 17.01	+ 1 11.7	1.906	2.816	9.2	16.3
1 6	5 9.22	+ 1 49.2	1.958	2.818	11.7	16.4
1 16	5 3.40	+ 2 41.9	2.034	2.819	14.2	16.6

161450 2003 YK_{103} 12 14.6 257°.51 2°.9/14.8 18

11 7	5 56.47	+11 6.2	2.521	3.290	12.4	19.3
11 17	5 51.29	+11 36.1	2.425	3.286	9.9	19.1
11 27	5 44.12	+12 14.7	2.354	3.281	7.0	19.0
12 7	5 35.47	+13 1.7	2.311	3.276	4.0	18.8
12 17	5 26.04	+13 56.2	2.298	3.272	3.0	18.7
12 27	5 16.73	+14 56.4	2.317	3.267	5.3	18.8
1 6	5 8.39	+16 0.3	2.366	3.262	8.4	19.0
1 16	5 1.72	+17 6.2	2.443	3.257	11.2	19.2

397338 2006 TG_{75} 12 14.6 64°.69 1°.7/14.6 18

11 7	6 1.06	+25 23.1	1.742	2.537	16.2	20.6
11 17	5 55.59	+26 6.4	1.683	2.561	12.6	20.4
11 27	5 47.24	+26 48.3	1.646	2.585	8.4	20.2
12 7	5 36.85	+27 25.3	1.635	2.610	4.0	20.0
12 17	5 25.64	+27 54.4	1.653	2.634	2.0	19.9
12 27	5 15.01	+28 14.6	1.700	2.658	5.9	20.2
1 6	5 6.22	+28 27.2	1.774	2.683	9.9	20.5
1 16	5 0.09	+28 34.9	1.873	2.707	13.3	20.8

480054 2015 CL_{46} 12 14.6 160°.44 0°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 2.07	+22 19.3	1.777	2.569	16.0	22.3
11 17	5 56.37	+22 7.1	1.698	2.575	12.5	22.0
11 27	5 47.80	+21 53.7	1.640	2.581	8.3	21.8
12 7	5 37.14	+21 38.3	1.609	2.586	3.7	21.5
12 17	5 25.53	+21 21.2	1.607	2.590	1.4	21.4
12 27	5 14.40	+21 3.7	1.634	2.593	6.1	21.7
1 6	5 4.99	+20 47.9	1.689	2.596	10.4	22.0
1 16	4 58.20	+20 36.2	1.769	2.598	14.2	22.2

383159 2005 UW_{434} 12 14.6 281°.12 4°.8/13.7 18

11 7	5 56.84	+14 50.8	1.578	2.383	17.1	21.4
11 17	5 52.66	+13 54.0	1.494	2.375	13.7	21.1
11 27	5 45.55	+12 59.7	1.430	2.367	9.7	20.9
12 7	5 36.22	+12 11.3	1.392	2.359	5.9	20.6
12 17	5 25.81	+11 32.8	1.380	2.351	5.1	20.6
12 27	5 15.72	+11 7.3	1.395	2.343	8.3	20.8
1 6	5 7.28	+10 56.5	1.436	2.335	12.5	21.0
1 16	5 1.46	+11 0.4	1.500	2.327	16.4	21.2

158313 2001 VL_{19} 12 14.6 49°.72 2°.0/14.8 18

11 7	6 0.71	+26 58.3	1.313	2.128	19.4	20.0
11 17	5 56.16	+27 17.3	1.257	2.146	15.1	19.8
11 27	5 47.99	+27 31.9	1.222	2.165	10.2	19.6
12 7	5 37.26	+27 38.8	1.209	2.185	4.8	19.3
12 17	5 25.53	+27 36.0	1.223	2.205	2.3	19.2
12 27	5 14.64	+27 24.5	1.263	2.225	7.0	19.6
1 6	5 6.15	+27 7.7	1.329	2.246	11.8	19.9
1 16	5 0.96	+26 50.0	1.417	2.267	15.9	20.2

73647 1978 VL_{9} 12 14.6 25°.82 1°.3/14.5 18

11 7	5 55.76	+20 47.7	1.394	2.214	18.2	19.1
11 17	5 52.10	+20 39.0	1.329	2.222	14.2	18.9
11 27	5 45.24	+20 31.3	1.284	2.231	9.5	18.6
12 7	5 36.07	+20 24.6	1.263	2.240	4.3	18.3
12 17	5 25.90	+20 19.0	1.268	2.251	1.9	18.2
12 27	5 16.31	+20 15.5	1.300	2.262	6.8	18.6
1 6	5 8.70	+20 15.4	1.357	2.274	11.6	18.9
1 16	5 3.99	+20 20.0	1.436	2.287	15.7	19.1

517438 2014 OU_{100} 12 14.6 144°.11 6°.1/14.1 18

11 7	5 54.62	+ 3 47.4	2.426	3.183	13.2	22.0
11 17	5 49.72	+ 3 16.1	2.350	3.191	10.9	21.9
11 27	5 42.96	+ 2 55.2	2.297	3.198	8.5	21.7
12 7	5 34.91	+ 2 47.5	2.270	3.204	6.6	21.6
12 17	5 26.27	+ 2 54.7	2.271	3.211	6.2	21.6
12 27	5 17.91	+ 3 16.9	2.301	3.217	7.6	21.7
1 6	5 10.60	+ 3 53.0	2.359	3.222	9.8	21.8
1 16	5 4.96	+ 4 40.5	2.442	3.228	12.1	22.0

100617 1997 TQ_{2} 12 14.6 211°.64 2°.0/14.9 18

11 7	5 56.14	+29 50.3	2.724	3.498	11.5	20.5
11 17	5 51.07	+30 4.9	2.628	3.493	9.1	20.3
11 27	5 43.97	+30 15.2	2.556	3.488	6.2	20.1
12 7	5 35.40	+30 19.2	2.513	3.483	3.3	19.9
12 17	5 26.10	+30 15.9	2.499	3.477	2.1	19.8
12 27	5 17.01	+30 5.2	2.516	3.471	4.6	20.0
1 6	5 9.00	+29 48.9	2.563	3.465	7.5	20.2
1 16	5 2.75	+29 29.3	2.636	3.458	10.3	20.4

190890 2001 TB_{241} 12 14.6 20°.79 3°.1/15.1 18

11 7	5 59.28	+30 50.3	1.397	2.207	18.7	19.7
11 17	5 55.21	+30 56.1	1.326	2.210	14.8	19.5
11 27	5 47.52	+30 52.9	1.274	2.214	10.3	19.2
12 7	5 37.14	+30 37.3	1.245	2.218	5.5	18.9
12 17	5 25.56	+30 7.7	1.243	2.222	3.3	18.8
12 27	5 14.64	+29 26.1	1.267	2.227	7.2	19.1
1 6	5 6.00	+28 38.0	1.316	2.233	11.9	19.4
1 16	5 0.65	+27 49.6	1.388	2.239	16.1	19.6

179183 2001 TB_{140} 12 14.6 74°.83 3°.0/14.4 18

11 7	5 55.85	+14 58.2	1.916	2.710	14.9	20.6
11 17	5 51.31	+14 48.4	1.838	2.714	11.8	20.4
11 27	5 44.33	+14 43.7	1.782	2.718	8.1	20.2
12 7	5 35.60	+14 45.2	1.752	2.722	4.5	20.0
12 17	5 26.05	+14 53.3	1.750	2.727	3.2	19.9
12 27	5 16.83	+15 8.1	1.777	2.731	6.3	20.1
1 6	5 8.99	+15 29.4	1.832	2.735	10.0	20.3
1 16	5 3.33	+15 56.6	1.911	2.739	13.3	20.6

151305 2002 CW_{90} 12 14.6 266°.56 1°.1/14.5 17

11 7	5 55.27	+20 3.5	2.115	2.908	13.8	20.6
11 17	5 50.75	+19 59.1	2.029	2.907	10.7	20.4
11 27	5 43.93	+19 55.8	1.965	2.906	7.2	20.2
12 7	5 35.42	+19 53.5	1.928	2.904	3.3	20.0
12 17	5 26.11	+19 52.1	1.921	2.903	1.6	19.8
12 27	5 17.06	+19 52.2	1.943	2.901	5.3	20.1
1 6	5 9.29	+19 54.5	1.993	2.900	9.1	20.3
1 16	5 3.54	+19 59.9	2.068	2.898	12.4	20.5

188624 2005 QX_{41} 12 14.6 57°.05 5°.7/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.08	+12 4.1	1.309	2.119	19.7	19.8
11 17	5 54.40	+11 20.1	1.259	2.141	15.6	19.6
11 27	5 46.56	+10 45.6	1.229	2.164	11.1	19.4
12 7	5 36.56	+10 24.0	1.222	2.186	7.0	19.3
12 17	5 25.79	+10 17.8	1.240	2.209	5.9	19.3
12 27	5 15.82	+10 27.5	1.285	2.232	8.9	19.5
1 6	5 7.97	+10 51.7	1.354	2.255	12.9	19.8
1 16	5 3.04	+11 27.8	1.445	2.278	16.6	20.1

333634 2008 GG_{128} 12 14.6 149°.50 8°.9/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.32	− 2 55.5	1.985	2.718	16.5	21.0
11 17	5 55.26	− 3 14.4	1.913	2.728	14.1	20.9
11 27	5 46.81	− 3 14.8	1.861	2.737	11.5	20.7
12 7	5 36.65	− 2 52.7	1.833	2.746	9.5	20.6
12 17	5 25.73	− 2 6.6	1.833	2.753	8.9	20.6
12 27	5 15.19	− 0 57.8	1.861	2.760	10.1	20.7
1 6	5 6.05	+ 0 29.6	1.916	2.767	12.3	20.9
1 16	4 59.08	+ 2 9.9	1.996	2.772	14.8	21.0

329116 2011 CS_{26} 12 14.6 146°.82 2°.9/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.21	+13 24.8	2.394	3.176	12.7	20.8
11 17	5 49.57	+13 20.9	2.309	3.178	10.0	20.6
11 27	5 42.96	+13 22.5	2.249	3.180	7.0	20.4
12 7	5 34.95	+13 30.3	2.215	3.182	4.0	20.2
12 17	5 26.27	+13 44.5	2.211	3.184	3.1	20.1
12 27	5 17.83	+14 5.1	2.237	3.186	5.5	20.3
1 6	5 10.45	+14 31.6	2.291	3.188	8.6	20.5
1 16	5 4.79	+15 3.1	2.372	3.190	11.4	20.7

511806 2015 FL_{107} 12 14.6 191°.91 0°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.56	+23 18.6	1.830	2.621	15.7	22.4
11 17	5 56.03	+23 3.5	1.743	2.620	12.3	22.1
11 27	5 47.63	+22 45.9	1.678	2.618	8.2	21.9
12 7	5 37.10	+22 25.2	1.640	2.616	3.6	21.6
12 17	5 25.58	+22 1.5	1.630	2.613	1.3	21.4
12 27	5 14.43	+21 36.5	1.650	2.609	6.0	21.7
1 6	5 4.93	+21 12.8	1.698	2.605	10.4	22.0
1 16	4 58.00	+20 53.1	1.770	2.600	14.2	22.2

489132 2006 DH_{96} 12 14.6 227°.87 9°.3/15.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 7.50	+52 46.2	2.639	3.329	13.8	21.9
11 17	6 1.25	+54 3.0	2.554	3.324	12.2	21.8
11 27	5 51.49	+55 5.4	2.490	3.318	10.7	21.7
12 7	5 38.96	+55 46.4	2.450	3.311	9.6	21.6
12 17	5 24.95	+56 0.6	2.434	3.305	9.3	21.5
12 27	5 11.20	+55 46.4	2.445	3.299	9.9	21.6
1 6	4 59.38	+55 7.0	2.480	3.292	11.2	21.7
1 16	4 50.68	+54 8.8	2.539	3.285	12.7	21.8

193189 2000 QS_{56} 12 14.6 149°.39 0°.9/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.48	+25 50.8	2.076	2.858	14.4	21.8
11 17	5 55.57	+25 57.1	1.997	2.868	11.2	21.6
11 27	5 47.11	+26 0.3	1.940	2.877	7.5	21.4
12 7	5 36.81	+25 58.6	1.911	2.886	3.4	21.1
12 17	5 25.70	+25 51.2	1.911	2.894	1.3	21.0
12 27	5 15.02	+25 38.7	1.942	2.901	5.3	21.3
1 6	5 5.86	+25 23.2	2.002	2.907	9.1	21.5
1 16	4 59.04	+25 7.3	2.087	2.913	12.4	21.8

369747 2012 FX_{34} 12 14.6 176°.76 4°.3/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.26	+ 8 35.5	2.810	3.575	11.4	22.4
11 17	5 48.48	+ 8 4.4	2.724	3.576	9.2	22.3
11 27	5 42.07	+ 7 39.3	2.662	3.578	6.8	22.1
12 7	5 34.52	+ 7 22.3	2.629	3.579	4.9	22.0
12 17	5 26.43	+ 7 14.8	2.624	3.579	4.4	22.0
12 27	5 18.56	+ 7 17.7	2.650	3.579	6.0	22.1
1 6	5 11.57	+ 7 30.6	2.705	3.579	8.3	22.2
1 16	5 6.01	+ 7 52.7	2.785	3.578	10.6	22.4

231224 2005 WW_{159} 12 14.6 67°.41 0°.3/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.66	+21 50.4	1.440	2.247	18.4	20.4
11 17	5 56.42	+22 1.4	1.384	2.270	14.2	20.2
11 27	5 47.94	+22 13.3	1.350	2.293	9.4	20.0
12 7	5 37.20	+22 24.1	1.339	2.316	4.1	19.7
12 17	5 25.61	+22 32.7	1.356	2.339	1.4	19.6
12 27	5 14.79	+22 39.1	1.401	2.362	6.5	20.0
1 6	5 6.11	+22 44.7	1.472	2.385	11.2	20.3
1 16	5 0.42	+22 51.3	1.566	2.408	15.1	20.6

12459 1997 AQ_{4} 12 14.6 251°.72 1°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.24	+18 44.3	1.592	2.395	17.1	18.8
11 17	5 54.73	+18 45.9	1.504	2.387	13.5	18.6
11 27	5 47.08	+18 51.0	1.437	2.379	9.1	18.3
12 7	5 36.99	+18 59.3	1.395	2.371	4.3	18.0
12 17	5 25.62	+19 10.4	1.380	2.362	2.2	17.8
12 27	5 14.48	+19 24.1	1.394	2.353	6.8	18.1
1 6	5 5.04	+19 40.7	1.433	2.344	11.6	18.3
1 16	4 58.37	+20 0.8	1.496	2.335	15.8	18.6

181350 2006 RZ_{32} 12 14.6 105°.74 1°.8/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.15	+28 20.8	1.992	2.780	14.7	20.7
11 17	5 53.94	+28 31.8	1.916	2.790	11.5	20.5
11 27	5 46.11	+28 38.1	1.863	2.799	7.8	20.3
12 7	5 36.39	+28 37.4	1.835	2.809	3.9	20.1
12 17	5 25.86	+28 28.5	1.837	2.818	2.1	20.0
12 27	5 15.77	+28 12.1	1.868	2.827	5.5	20.3
1 6	5 7.28	+27 50.8	1.928	2.836	9.3	20.5
1 16	5 1.17	+27 27.8	2.012	2.844	12.6	20.7

517978 2015 UQ_{2} 12 14.6 111°.86 0°.1/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.38	+23 36.6	2.007	2.798	14.5	22.1
11 17	5 53.20	+23 35.0	1.931	2.808	11.2	21.9
11 27	5 45.54	+23 31.7	1.879	2.819	7.5	21.7
12 7	5 36.13	+23 25.9	1.853	2.829	3.3	21.4
12 17	5 25.96	+23 17.2	1.856	2.839	1.0	21.3
12 27	5 16.22	+23 6.5	1.889	2.849	5.3	21.6
1 6	5 7.97	+22 55.4	1.950	2.858	9.2	21.8
1 16	5 1.97	+22 46.0	2.036	2.867	12.5	22.1

46771 1998 HM_{7} 12 14.6 71°.69 8°.0/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 16.58	+34 38.7	1.414	2.190	20.2	18.1
11 17	6 9.10	+37 5.1	1.369	2.225	16.3	17.9
11 27	5 57.05	+39 23.2	1.345	2.259	12.2	17.7
12 7	5 41.46	+41 19.4	1.347	2.294	8.9	17.7
12 17	5 24.24	+42 42.6	1.377	2.328	8.2	17.7
12 27	5 7.89	+43 29.5	1.435	2.361	10.3	17.9
1 6	4 54.57	+43 45.3	1.518	2.394	13.5	18.2
1 16	4 45.57	+43 39.8	1.624	2.426	16.5	18.5

309420 2007 TD_{366} 12 14.6 38°.05 0°.5/14.4 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.65	+27 49.7	1.604	2.402	17.2	19.5
11 17	5 56.19	+26 30.2	1.527	2.408	13.4	19.3
11 27	5 47.67	+24 59.1	1.473	2.415	8.9	19.1
12 7	5 37.07	+23 18.2	1.445	2.421	3.9	18.8
12 17	5 25.70	+21 32.0	1.446	2.428	1.5	18.6
12 27	5 15.11	+19 47.6	1.476	2.436	6.5	19.0
1 6	5 6.56	+18 12.2	1.535	2.444	11.1	19.3
1 16	5 0.84	+16 51.1	1.618	2.451	15.1	19.5

334113 2001 QP_{272} 12 14.6 63°.22 6°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.55	+ 8 8.0	1.386	2.183	19.5	20.9
11 17	5 55.36	+ 7 51.8	1.337	2.208	15.6	20.7
11 27	5 47.13	+ 7 50.1	1.308	2.234	11.4	20.5
12 7	5 36.83	+ 8 5.2	1.302	2.260	7.6	20.4
12 17	5 25.79	+ 8 37.3	1.322	2.286	6.4	20.4
12 27	5 15.51	+ 9 24.8	1.369	2.312	8.9	20.6
1 6	5 7.27	+10 24.0	1.441	2.338	12.6	20.9
1 16	5 1.85	+11 31.0	1.536	2.364	16.0	21.2

295626 2008 SS_{235} 12 14.6 55°.71 1°.4/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.36	+16 11.4	1.498	2.300	18.1	19.1
11 17	5 56.15	+17 0.1	1.438	2.320	14.1	18.9
11 27	5 47.81	+17 57.6	1.400	2.341	9.4	18.7
12 7	5 37.21	+19 0.9	1.386	2.362	4.3	18.5
12 17	5 25.64	+20 6.4	1.401	2.383	1.9	18.3
12 27	5 14.65	+21 10.5	1.444	2.404	6.5	18.7
1 6	5 5.61	+22 11.1	1.514	2.426	11.0	19.0
1 16	4 59.43	+23 7.4	1.609	2.448	14.9	19.3

451788 2013 GV_{124} 12 14.6 218°.84 1°.7/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.88	+19 10.0	2.102	2.894	13.9	21.9
11 17	5 51.23	+18 52.2	2.015	2.892	10.8	21.7
11 27	5 44.26	+18 35.2	1.950	2.889	7.3	21.5
12 7	5 35.60	+18 19.7	1.912	2.886	3.5	21.2
12 17	5 26.14	+18 6.3	1.903	2.883	2.1	21.1
12 27	5 16.96	+17 56.1	1.924	2.880	5.6	21.4
1 6	5 9.06	+17 50.3	1.973	2.877	9.3	21.6
1 16	5 3.21	+17 49.8	2.047	2.874	12.6	21.8

158561 2002 JJ_{75} 12 14.6 112°.86 2°.3/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.36	+18 36.1	2.354	3.140	12.7	19.7
11 17	5 50.40	+17 48.7	2.274	3.148	9.9	19.5
11 27	5 43.46	+17 1.0	2.218	3.155	6.7	19.3
12 7	5 35.16	+16 14.7	2.190	3.162	3.5	19.1
12 17	5 26.30	+15 31.8	2.192	3.169	2.6	19.1
12 27	5 17.81	+14 54.5	2.225	3.176	5.4	19.3
1 6	5 10.51	+14 24.8	2.286	3.183	8.6	19.5
1 16	5 5.01	+14 3.5	2.373	3.190	11.5	19.7

102044 1999 RH_{115} 12 14.6 107°.01 3°.0/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.32	+30 7.5	1.588	2.379	17.7	20.0
11 17	5 59.33	+30 29.7	1.523	2.396	13.9	19.8
11 27	5 49.95	+30 45.0	1.479	2.414	9.6	19.6
12 7	5 38.15	+30 49.5	1.460	2.431	5.1	19.4
12 17	5 25.36	+30 40.6	1.468	2.447	3.2	19.3
12 27	5 13.32	+30 19.4	1.506	2.463	6.8	19.6
1 6	5 3.49	+29 50.0	1.570	2.478	11.0	19.8
1 16	4 56.81	+29 17.7	1.658	2.493	14.7	20.1

64095 2001 SB_{320} 12 14.6 279°.88 0°.2/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.44	+22 29.1	1.603	2.408	16.9	20.2
11 17	5 54.25	+22 34.5	1.509	2.394	13.3	20.0
11 27	5 46.87	+22 40.1	1.437	2.380	9.0	19.7
12 7	5 36.96	+22 44.6	1.389	2.366	4.0	19.3
12 17	5 25.67	+22 46.8	1.368	2.351	1.3	19.1
12 27	5 14.55	+22 46.9	1.376	2.337	6.6	19.4
1 6	5 5.12	+22 46.3	1.409	2.323	11.5	19.7
1 16	4 58.51	+22 47.2	1.466	2.308	15.9	19.9

458010 2009 WW_{92} 12 14.6 19°.20 1°.7/14.7 18

11 7	5 55.13	+16 8.6	1.705	2.510	16.1	20.2
11 17	5 51.12	+16 43.5	1.634	2.517	12.6	20.0
11 27	5 44.41	+17 26.0	1.584	2.526	8.5	19.8
12 7	5 35.73	+18 14.7	1.560	2.535	4.0	19.6
12 17	5 26.11	+19 7.5	1.564	2.546	2.0	19.4
12 27	5 16.84	+20 2.0	1.596	2.557	6.0	19.7
1 6	5 9.12	+20 56.1	1.656	2.569	10.2	20.0
1 16	5 3.80	+21 48.9	1.740	2.581	13.8	20.3

252606 2001 XH_{69} 12 14.6 51°.81 1°.0/14.6 18

11 7	5 58.33	+23 33.4	1.764	2.564	15.8	19.9
11 17	5 53.60	+24 10.9	1.694	2.576	12.3	19.7
11 27	5 46.05	+24 49.1	1.647	2.588	8.2	19.5
12 7	5 36.44	+25 25.1	1.624	2.601	3.7	19.3
12 17	5 25.89	+25 56.3	1.631	2.613	1.5	19.1
12 27	5 15.76	+26 21.3	1.666	2.626	5.8	19.5
1 6	5 7.30	+26 40.7	1.728	2.639	9.9	19.7
1 16	5 1.38	+26 56.2	1.815	2.653	13.5	20.0

434427 2005 MC_{45} 12 14.6 162°.89 0°.8/14.5 18

11 7	6 2.04	+23 19.2	1.859	2.647	15.5	21.8
11 17	5 56.23	+22 49.7	1.777	2.653	12.1	21.6
11 27	5 47.65	+22 16.8	1.718	2.658	8.1	21.4
12 7	5 37.11	+21 40.5	1.686	2.662	3.6	21.1
12 17	5 25.72	+21 2.1	1.683	2.666	1.4	21.0
12 27	5 14.82	+20 23.8	1.711	2.669	5.9	21.3
1 6	5 5.60	+19 49.0	1.766	2.672	10.1	21.5
1 16	4 58.89	+19 20.3	1.846	2.673	13.8	21.8

21780 1999 RY_{237} 12 14.6 149°.04 2°.1/14.5 18

11 7	6 1.82	+16 55.2	1.748	2.538	16.3	18.8
11 17	5 56.21	+17 1.0	1.671	2.546	12.8	18.6
11 27	5 47.75	+17 11.7	1.616	2.554	8.7	18.4
12 7	5 37.20	+17 26.9	1.588	2.561	4.3	18.1
12 17	5 25.68	+17 46.0	1.588	2.568	2.5	18.0
12 27	5 14.56	+18 8.2	1.617	2.574	6.4	18.3
1 6	5 5.11	+18 33.5	1.674	2.579	10.6	18.5
1 16	4 58.21	+19 1.6	1.756	2.584	14.3	18.8

216582 2002 GE_{112} 12 14.6 208°.80 0°.6/14.6 18

11 7	6 1.51	+21 10.3	1.665	2.462	16.7	21.0
11 17	5 56.38	+21 18.8	1.577	2.458	13.1	20.7
11 27	5 48.13	+21 28.8	1.512	2.453	8.8	20.4
12 7	5 37.47	+21 38.9	1.472	2.448	4.0	20.1
12 17	5 25.58	+21 48.0	1.460	2.443	1.4	20.0
12 27	5 13.96	+21 55.9	1.476	2.437	6.4	20.3
1 6	5 4.07	+22 3.4	1.520	2.430	11.1	20.5
1 16	4 56.95	+22 12.2	1.588	2.423	15.2	20.8

83734 2001 TY_{121} 12 14.6 211°.91 5°.4/15.6 18

11 7	6 2.52	+40 6.1	2.477	3.224	13.2	20.2
11 17	5 56.58	+40 38.0	2.382	3.218	10.9	20.0
11 27	5 47.93	+40 59.6	2.309	3.212	8.4	19.8
12 7	5 37.28	+41 6.3	2.263	3.204	6.2	19.7
12 17	5 25.66	+40 55.3	2.245	3.197	5.4	19.6
12 27	5 14.34	+40 26.4	2.257	3.188	6.8	19.7
1 6	5 4.52	+39 42.8	2.298	3.180	9.2	19.8
1 16	4 57.10	+38 49.6	2.364	3.171	11.8	20.0

312738 2010 TZ_{4} 12 14.6 156°.91 5°.6/15.2 18

11 7	6 2.92	+39 4.2	2.352	3.105	13.7	21.2
11 17	5 56.98	+39 56.3	2.270	3.110	11.3	21.0
11 27	5 48.25	+40 39.0	2.211	3.115	8.6	20.9
12 7	5 37.43	+41 7.4	2.178	3.120	6.4	20.7
12 17	5 25.61	+41 17.7	2.174	3.124	5.6	20.7
12 27	5 14.13	+41 9.3	2.199	3.128	7.1	20.8
1 6	5 4.22	+40 45.0	2.252	3.131	9.5	21.0
1 16	4 56.81	+40 9.8	2.330	3.134	12.0	21.1

335338 2005 SS_{8} 12 14.6 60°.73 1°.2/14.5 18

11 7	6 0.92	+20 26.6	1.354	2.166	19.1	20.8
11 17	5 55.99	+20 24.5	1.300	2.188	14.8	20.6
11 27	5 47.74	+20 24.1	1.266	2.210	9.8	20.4
12 7	5 37.17	+20 24.8	1.256	2.233	4.4	20.1
12 17	5 25.75	+20 26.2	1.273	2.255	1.9	20.0
12 27	5 15.13	+20 28.8	1.317	2.278	6.9	20.4
1 6	5 6.72	+20 33.7	1.386	2.300	11.6	20.7
1 16	5 1.37	+20 42.2	1.478	2.323	15.6	21.0

226557 2003 WY_{36} 12 14.6 351°.56 8°.0/14.0 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.92	+37 36.9	1.662	2.452	17.1	19.5
11 17	5 54.52	+39 23.7	1.582	2.443	14.2	19.2
11 27	5 47.48	+41 4.5	1.523	2.436	11.1	19.0
12 7	5 37.41	+42 30.3	1.488	2.430	8.6	18.9
12 17	5 25.57	+43 32.9	1.478	2.425	8.1	18.8
12 27	5 13.81	+44 8.1	1.495	2.421	10.0	18.9
1 6	5 3.99	+44 17.5	1.536	2.419	12.9	19.1
1 16	4 57.50	+44 7.0	1.599	2.417	16.0	19.3

482274 2011 SU_{63} 12 14.6 67°.34 7°.0/14.8 18

11 7	6 7.74	+36 53.3	1.704	2.476	17.4	20.4
11 17	6 1.52	+38 31.8	1.650	2.503	14.1	20.3
11 27	5 51.63	+40 0.6	1.618	2.530	10.7	20.1
12 7	5 39.00	+41 11.0	1.611	2.557	7.8	20.0
12 17	5 25.14	+41 56.6	1.632	2.583	7.1	20.0
12 27	5 11.93	+42 15.7	1.681	2.610	8.8	20.2
1 6	5 1.04	+42 12.3	1.756	2.636	11.7	20.4
1 16	4 53.54	+41 53.4	1.853	2.662	14.5	20.7

178909 2001 PL_{18} 12 14.6 67°.49 4°.2/14.8 18

11 7	5 58.54	+10 17.0	1.796	2.581	16.1	19.8
11 17	5 53.35	+10 26.1	1.734	2.602	12.8	19.6
11 27	5 45.65	+10 45.7	1.694	2.623	9.1	19.4
12 7	5 36.20	+11 16.4	1.680	2.644	5.5	19.3
12 17	5 26.05	+11 57.6	1.694	2.665	4.3	19.3
12 27	5 16.39	+12 47.5	1.737	2.685	6.9	19.5
1 6	5 8.28	+13 43.7	1.807	2.706	10.3	19.7
1 16	5 2.46	+14 43.9	1.903	2.727	13.5	20.0

149753 2004 PH_{12} 12 14.6 132°.88 0°.9/14.5 18

11 7	5 55.99	+20 56.2	2.208	2.997	13.4	20.7
11 17	5 51.18	+20 49.4	2.125	3.002	10.4	20.5
11 27	5 44.16	+20 42.7	2.066	3.006	6.9	20.3
12 7	5 35.56	+20 36.1	2.034	3.010	3.1	20.0
12 17	5 26.25	+20 29.5	2.032	3.014	1.3	19.9
12 27	5 17.24	+20 23.8	2.059	3.018	5.0	20.2
1 6	5 9.49	+20 19.9	2.115	3.021	8.7	20.4
1 16	5 3.72	+20 18.9	2.197	3.025	11.8	20.6

161603 2005 TY_{166} 12 14.6 78°.32 0°.2/14.6 18

11 7	5 56.79	+23 59.7	2.017	2.810	14.3	20.8
11 17	5 52.02	+23 57.8	1.939	2.818	11.1	20.6
11 27	5 44.81	+23 54.0	1.885	2.826	7.4	20.4
12 7	5 35.87	+23 47.4	1.857	2.834	3.3	20.1
12 17	5 26.16	+23 37.8	1.858	2.841	1.0	20.0
12 27	5 16.84	+23 26.0	1.889	2.849	5.2	20.3
1 6	5 8.97	+23 13.7	1.947	2.857	9.1	20.5
1 16	5 3.31	+23 2.9	2.031	2.865	12.4	20.8

414684 2009 WJ_{131} 12 14.6 73°.12 0°.7/14.5 18

11 7	5 55.79	+21 14.3	2.201	2.991	13.4	21.4
11 17	5 50.92	+21 12.0	2.131	3.008	10.4	21.2
11 27	5 43.91	+21 9.9	2.085	3.025	6.8	21.0
12 7	5 35.42	+21 7.6	2.066	3.042	3.1	20.8
12 17	5 26.32	+21 5.1	2.076	3.058	1.2	20.7
12 27	5 17.63	+21 2.9	2.116	3.075	4.9	21.0
1 6	5 10.24	+21 1.9	2.184	3.092	8.4	21.2
1 16	5 4.80	+21 3.1	2.279	3.108	11.4	21.5

414984 2011 EB_{3} 12 14.6 315°.15 9°.2/15.6 16

11 7	6 1.62	+46 39.7	2.023	2.767	15.9	20.9
11 17	5 57.17	+47 45.2	1.929	2.749	13.8	20.7
11 27	5 49.08	+48 37.1	1.854	2.731	11.6	20.5
12 7	5 38.06	+49 7.4	1.803	2.713	9.8	20.4
12 17	5 25.42	+49 10.1	1.777	2.696	9.2	20.3
12 27	5 13.02	+48 43.3	1.777	2.680	10.2	20.3
1 6	5 2.63	+47 50.7	1.801	2.663	12.4	20.4
1 16	4 55.53	+46 40.0	1.848	2.647	14.9	20.6

440807 2006 QV_{57} 12 14.6 61°.16 5°.1/15.7 18

11 7	6 4.07	+36 27.0	1.693	2.473	17.2	19.8
11 17	5 58.18	+36 50.2	1.639	2.500	13.8	19.7
11 27	5 49.05	+37 1.1	1.606	2.528	10.0	19.5
12 7	5 37.71	+36 55.2	1.597	2.556	6.5	19.3
12 17	5 25.64	+36 30.5	1.616	2.583	5.1	19.3
12 27	5 14.49	+35 49.1	1.663	2.611	7.2	19.5
1 6	5 5.59	+34 56.6	1.737	2.638	10.5	19.8
1 16	4 59.73	+33 59.7	1.835	2.666	13.7	20.0

132819 2002 QN_{64} 12 14.6 143°.67 0°.1/14.6 17

11 7	5 55.29	+23 28.2	2.712	3.491	11.4	22.0
11 17	5 50.25	+23 32.3	2.628	3.499	8.8	21.8
11 27	5 43.37	+23 35.3	2.568	3.506	5.9	21.6
12 7	5 35.18	+23 36.4	2.537	3.513	2.6	21.4
12 17	5 26.40	+23 35.4	2.536	3.519	0.8	21.3
12 27	5 17.89	+23 32.4	2.566	3.525	4.2	21.6
1 6	5 10.42	+23 28.5	2.627	3.531	7.2	21.8
1 16	5 4.59	+23 24.9	2.713	3.537	10.0	22.0

73200 2002 JP_{13} 12 14.6 128°.36 2°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.05	+15 39.0	2.459	3.241	12.4	19.9
11 17	5 50.17	+15 38.4	2.378	3.248	9.7	19.8
11 27	5 43.36	+15 41.7	2.322	3.256	6.6	19.6
12 7	5 35.19	+15 49.2	2.292	3.263	3.5	19.4
12 17	5 26.40	+16 0.9	2.293	3.270	2.4	19.3
12 27	5 17.87	+16 16.8	2.324	3.277	5.0	19.5
1 6	5 10.42	+16 36.7	2.384	3.284	8.1	19.7
1 16	5 4.68	+17 0.3	2.470	3.290	10.9	19.9

160062 1999 VQ_{143} 12 14.6 30°.97 0°.4/14.7 17

11 7	5 57.52	+25 9.6	1.124	1.957	20.9	19.1
11 17	5 53.90	+24 55.9	1.081	1.980	16.1	18.9
11 27	5 46.55	+24 38.1	1.056	2.005	10.7	18.7
12 7	5 36.68	+24 15.4	1.053	2.031	4.7	18.5
12 17	5 25.98	+23 48.6	1.075	2.058	1.5	18.3
12 27	5 16.34	+23 20.4	1.122	2.087	7.2	18.8
1 6	5 9.24	+22 54.6	1.193	2.116	12.3	19.1
1 16	5 5.48	+22 34.3	1.286	2.146	16.5	19.5

476569 2008 RJ_{16} 12 14.6 39°.36 2°.6/14.9 16

11 7	5 59.57	+29 23.6	1.372	2.185	18.9	21.4
11 17	5 55.36	+29 30.4	1.308	2.195	14.8	21.2
11 27	5 47.57	+29 29.8	1.264	2.206	10.1	21.0
12 7	5 37.21	+29 18.7	1.244	2.218	5.1	20.7
12 17	5 25.78	+28 55.7	1.249	2.230	2.8	20.6
12 27	5 15.09	+28 22.8	1.281	2.242	7.0	20.9
1 6	5 6.69	+27 44.8	1.338	2.255	11.7	21.2
1 16	5 1.55	+27 7.0	1.418	2.269	15.8	21.5

140339 2001 TP_5 12 14.6 24°.45 0°.4/14.6 18

11 7	5 56.86	+20 40.5	1.767	2.569	15.7	19.6
11 17	5 52.50	+21 1.6	1.688	2.571	12.3	19.4
11 27	5 45.39	+21 25.5	1.632	2.574	8.2	19.2
12 7	5 36.22	+21 50.5	1.601	2.578	3.6	18.9
12 17	5 26.06	+22 15.0	1.598	2.581	1.2	18.8
12 27	5 16.23	+22 38.1	1.624	2.585	5.8	19.1
1 6	5 7.95	+22 59.9	1.677	2.589	10.1	19.3
1 16	5 2.13	+23 21.1	1.755	2.594	13.8	19.6

366258 2013 AU 12 14.6 176°.43 13°.4/18.2 18

11 7	6 20.29	+52 4.2	1.326	2.064	23.1	20.8
11 17	6 13.84	+53 2.2	1.256	2.065	20.3	20.6
11 27	6 1.11	+53 34.1	1.201	2.066	17.3	20.4
12 7	5 43.47	+53 24.9	1.166	2.067	14.7	20.2
12 17	5 23.82	+52 23.8	1.152	2.067	13.4	20.2
12 27	5 5.88	+50 32.3	1.162	2.067	14.2	20.2
1 6	4 52.48	+48 4.4	1.195	2.066	16.7	20.4
1 16	4 44.85	+45 19.7	1.250	2.065	19.7	20.5

402246 2005 KN_7 12 14.6 273°.26 6°.8/14.1 17

11 7	5 55.93	+ 5 12.1	1.993	2.765	15.2	21.5
11 17	5 51.52	+ 4 41.1	1.893	2.745	12.6	21.3
11 27	5 44.67	+ 4 21.1	1.814	2.724	9.8	21.1
12 7	5 35.93	+ 4 15.8	1.760	2.703	7.4	20.9
12 17	5 26.15	+ 4 28.0	1.733	2.682	6.9	20.9
12 27	5 16.41	+ 4 58.5	1.734	2.661	8.8	20.9
1 6	5 7.83	+ 5 45.9	1.762	2.639	11.8	21.1
1 16	5 1.29	+ 6 47.5	1.814	2.617	15.0	21.2

365919 2011 WU_{142} 12 14.6 357°.19 3°.4/13.9 18

11 7	5 53.38	+18 57.8	1.438	2.259	17.7	20.4
11 17	5 50.24	+18 0.9	1.362	2.255	13.9	20.1
11 27	5 44.07	+17 3.1	1.308	2.253	9.5	19.9
12 7	5 35.68	+16 7.3	1.277	2.251	5.0	19.6
12 17	5 26.26	+15 17.3	1.272	2.250	3.8	19.5
12 27	5 17.31	+14 37.1	1.294	2.250	7.7	19.8
1 6	5 10.16	+14 9.4	1.341	2.251	12.2	20.0
1 16	5 5.72	+13 55.4	1.409	2.254	16.3	20.3

445574 2011 QL_{55} 12 14.6 96°.64 5°.1/13.9 15

11 7	5 58.22	+11 31.8	1.887	2.672	15.5	22.2
11 17	5 52.92	+10 39.7	1.824	2.691	12.3	22.0
11 27	5 45.27	+ 9 53.9	1.783	2.710	8.9	21.8
12 7	5 36.03	+ 9 17.5	1.769	2.728	5.9	21.7
12 17	5 26.18	+ 8 53.0	1.783	2.746	5.3	21.7
12 27	5 16.86	+ 8 42.2	1.826	2.764	7.5	21.9
1 6	5 9.03	+ 8 45.0	1.896	2.782	10.7	22.1
1 16	5 3.39	+ 9 0.0	1.990	2.799	13.6	22.3

446365 2014 HG_{32} 12 14.6 128°.34 0°.8/14.5 18

11 7	5 58.96	+21 10.3	2.180	2.964	13.7	21.9
11 17	5 53.40	+21 2.4	2.104	2.978	10.6	21.8
11 27	5 45.59	+20 54.4	2.052	2.991	7.1	21.6
12 7	5 36.19	+20 46.0	2.028	3.004	3.2	21.3
12 17	5 26.13	+20 37.2	2.034	3.016	1.3	21.2
12 27	5 16.48	+20 29.0	2.070	3.028	5.1	21.5
1 6	5 8.19	+20 22.4	2.135	3.039	8.7	21.8
1 16	5 1.98	+20 18.8	2.225	3.050	11.8	22.0

196516 2003 OJ 12 14.6 29°.33 5°.7/13.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.60	+11 40.4	1.873	2.668	15.2	18.9
11 17	5 49.47	+10 20.4	1.805	2.677	12.2	18.8
11 27	5 43.07	+ 9 5.0	1.759	2.686	8.9	18.6
12 7	5 35.09	+ 7 58.8	1.740	2.696	6.3	18.4
12 17	5 26.48	+ 7 6.0	1.748	2.706	5.9	18.4
12 27	5 18.31	+ 6 29.6	1.784	2.717	8.1	18.6
1 6	5 11.52	+ 6 10.7	1.846	2.728	11.1	18.8
1 16	5 6.81	+ 6 8.1	1.932	2.740	14.0	19.0

271507 2004 FW_{126} 12 14.6 287°.27 3°.1/14.3 18

11 7	5 57.39	+17 25.6	1.495	2.306	17.7	20.4
11 17	5 53.52	+16 58.8	1.405	2.291	14.0	20.1
11 27	5 46.44	+16 34.4	1.334	2.276	9.7	19.8
12 7	5 36.84	+16 14.1	1.288	2.262	5.1	19.5
12 17	5 25.87	+15 59.5	1.268	2.247	3.5	19.4
12 27	5 15.10	+15 52.3	1.276	2.233	7.7	19.6
1 6	5 6.05	+15 54.1	1.308	2.218	12.6	19.9
1 16	4 59.83	+16 5.2	1.363	2.204	16.9	20.1

485998 2012 LS 12 14.6 221°.15 5°.0/13.9 18

11 7	5 53.11	+ 4 33.4	3.078	3.827	10.8	22.2
11 17	5 48.33	+ 4 5.9	2.979	3.816	9.0	22.1
11 27	5 42.02	+ 3 46.0	2.905	3.805	7.0	21.9
12 7	5 34.60	+ 3 35.9	2.858	3.793	5.4	21.8
12 17	5 26.62	+ 3 37.1	2.840	3.780	5.1	21.8
12 27	5 18.75	+ 3 50.3	2.853	3.767	6.3	21.8
1 6	5 11.63	+ 4 14.9	2.894	3.754	8.3	22.0
1 16	5 5.80	+ 4 49.6	2.962	3.740	10.4	22.1

494283 2016 RE_{12} 12 14.6 50°.94 1°.9/14.9 18

11 7	6 1.54	+28 54.0	1.263	2.079	20.0	21.6
11 17	5 57.00	+28 41.5	1.204	2.093	15.7	21.4
11 27	5 48.68	+28 20.4	1.164	2.108	10.6	21.1
12 7	5 37.69	+27 48.6	1.147	2.123	5.1	20.9
12 17	5 25.69	+27 6.1	1.156	2.138	2.2	20.7
12 27	5 14.61	+26 16.6	1.191	2.154	7.2	21.1
1 6	5 6.06	+25 26.0	1.252	2.170	12.2	21.4
1 16	5 0.96	+24 39.8	1.334	2.186	16.5	21.7

367044 2006 ER_{10} 12 14.6 102°.97 0°.4/14.7 18

11 7	5 55.98	+24 12.5	2.481	3.264	12.3	21.4
11 17	5 50.93	+24 18.9	2.405	3.278	9.5	21.2
11 27	5 43.87	+24 23.7	2.353	3.291	6.3	21.0
12 7	5 35.42	+24 26.0	2.328	3.304	2.8	20.8
12 17	5 26.38	+24 25.3	2.334	3.317	0.9	20.7
12 27	5 17.67	+24 22.0	2.370	3.329	4.4	21.0
1 6	5 10.13	+24 17.0	2.436	3.342	7.7	21.2
1 16	5 4.41	+24 12.1	2.528	3.354	10.5	21.4

360591 2003 WQ_{138} 12 14.6 333°.72 6°.2/12.4 17

11 7	6 6.42	+22 9.7	1.266	2.074	20.4	19.4
11 17	6 2.72	+25 21.6	1.161	2.047	16.4	19.1
11 27	5 54.31	+29 3.3	1.080	2.020	11.7	18.7
12 7	5 41.18	+33 2.6	1.026	1.995	7.1	18.4
12 17	5 24.25	+36 57.9	1.001	1.971	6.9	18.3
12 27	5 5.75	+40 26.1	1.008	1.949	11.7	18.5
1 6	4 48.70	+43 13.7	1.040	1.928	17.2	18.7
1 16	4 35.84	+45 20.5	1.095	1.910	22.0	19.0

490044 2008 TR_{51} 12 14.6 51°.26 4°.5/15.0 17

11 7	5 58.32	+35 6.8	2.248	3.021	13.7	21.2
11 17	5 53.40	+35 54.4	2.169	3.027	11.0	21.1
11 27	5 45.87	+36 34.9	2.112	3.032	8.1	20.9
12 7	5 36.43	+37 4.1	2.082	3.038	5.4	20.7
12 17	5 26.06	+37 18.9	2.081	3.044	4.6	20.7
12 27	5 16.00	+37 18.7	2.108	3.050	6.4	20.8
1 6	5 7.40	+37 5.7	2.163	3.056	9.2	21.0
1 16	5 1.11	+36 43.7	2.243	3.063	11.9	21.2

228964 2003 UN_{139} 12 14.6 102°.07 2°.9/14.7 18

11 7	5 59.00	+30 12.6	2.412	3.187	12.8	20.9
11 17	5 53.56	+30 59.7	2.335	3.199	10.1	20.7
11 27	5 45.79	+31 43.1	2.283	3.212	7.0	20.5
12 7	5 36.34	+32 19.4	2.257	3.224	4.0	20.4
12 17	5 26.09	+32 45.9	2.262	3.236	3.0	20.3
12 27	5 16.13	+33 1.6	2.297	3.248	5.3	20.5
1 6	5 7.47	+33 7.9	2.361	3.259	8.3	20.7
1 16	5 0.87	+33 7.2	2.451	3.271	11.0	20.9

185544 2007 YN_{28} 12 14.6 38°.41 22°.3/19.7 18

11 7	5 59.02	−18 57.7	1.028	1.762	28.6	19.3
11 17	5 55.34	−20 38.3	0.991	1.769	26.6	19.1
11 27	5 47.76	−21 33.7	0.964	1.777	24.6	19.0
12 7	5 37.37	−21 30.8	0.950	1.786	23.1	18.9
12 17	5 25.80	−20 22.1	0.951	1.795	22.3	18.9
12 27	5 15.03	−18 9.4	0.968	1.805	22.5	19.0
1 6	5 6.77	−15 5.0	1.003	1.815	23.7	19.1
1 16	5 2.03	−11 26.4	1.054	1.826	25.4	19.3

443247 2014 DH_{141} 12 14.6 272.°52 1.°1/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.24	+20 37.4	1.662	2.465	16.5	22.0
11 17	5 53.93	+20 35.2	1.570	2.453	13.0	21.8
11 27	5 46.59	+20 34.2	1.499	2.441	8.8	21.5
12 7	5 36.88	+20 34.0	1.452	2.429	4.0	21.2
12 17	5 25.91	+20 34.2	1.434	2.416	1.7	21.0
12 27	5 15.13	+20 35.2	1.443	2.404	6.5	21.3
1 6	5 5.96	+20 38.2	1.480	2.391	11.2	21.5
1 16	4 59.45	+20 44.5	1.539	2.379	15.4	21.8

212506 2006 RE_{17} 12 14.6 119.°40 4.°2/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.98	+34 4.5	2.084	2.857	14.6	20.7
11 17	5 56.30	+34 44.1	2.009	2.868	11.7	20.5
11 27	5 47.82	+35 16.3	1.956	2.879	8.4	20.3
12 7	5 37.29	+35 36.6	1.930	2.890	5.4	20.2
12 17	5 25.83	+35 42.2	1.932	2.900	4.3	20.1
12 27	5 14.81	+35 32.9	1.964	2.910	6.4	20.3
1 6	5 5.47	+35 11.5	2.023	2.920	9.5	20.5
1 16	4 58.67	+34 42.7	2.108	2.929	12.5	20.7

134221 2005 WB_{147} 12 14.6 7.°31 5.°9/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.60	+10 32.9	1.355	2.167	19.1	19.4
11 17	5 52.08	+10 6.5	1.285	2.168	15.3	19.2
11 27	5 45.39	+ 9 51.4	1.234	2.168	11.1	18.9
12 7	5 36.33	+ 9 50.9	1.206	2.170	7.2	18.7
12 17	5 26.12	+10 6.9	1.203	2.172	6.1	18.7
12 27	5 16.34	+10 39.3	1.226	2.175	9.1	18.8
1 6	5 8.41	+11 25.9	1.273	2.178	13.3	19.1
1 16	5 3.32	+12 23.4	1.341	2.182	17.2	19.3

400061 2006 SK_{97} 12 14.6 95.°77 4.°3/14.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.41	+12 44.7	1.972	2.759	14.8	21.5
11 17	5 51.55	+12 3.5	1.901	2.772	11.7	21.3
11 27	5 44.42	+11 27.5	1.854	2.784	8.3	21.1
12 7	5 35.71	+10 59.3	1.833	2.796	5.3	21.0
12 17	5 26.35	+10 41.0	1.840	2.807	4.5	21.0
12 27	5 17.40	+10 33.8	1.876	2.819	6.9	21.1
1 6	5 9.84	+10 38.0	1.939	2.831	10.2	21.4
1 16	5 4.35	+10 52.7	2.027	2.842	13.2	21.6

517088 2013 CA_{156} 12 14.6 149.°65 4.°6/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.00	+10 20.8	2.112	2.892	14.2	21.6
11 17	5 51.19	+ 9 54.1	2.033	2.897	11.4	21.5
11 27	5 44.20	+ 9 34.7	1.976	2.901	8.3	21.3
12 7	5 35.64	+ 9 24.7	1.946	2.905	5.5	21.1
12 17	5 26.36	+ 9 25.5	1.944	2.908	4.8	21.1
12 27	5 17.38	+ 9 37.9	1.972	2.912	6.9	21.2
1 6	5 9.64	+10 1.0	2.027	2.915	10.0	21.4
1 16	5 3.84	+10 33.5	2.106	2.917	12.9	21.6

519316 2011 ER_{89} 12 14.6 129.°41 3.°1/15.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.51	+33 20.1	2.692	3.459	11.8	21.8
11 17	5 52.21	+33 48.2	2.610	3.467	9.4	21.6
11 27	5 44.80	+34 10.1	2.552	3.476	6.7	21.4
12 7	5 35.89	+34 23.4	2.522	3.484	4.1	21.3
12 17	5 26.29	+34 26.3	2.521	3.491	3.2	21.2
12 27	5 16.98	+34 18.7	2.551	3.499	5.0	21.4
1 6	5 8.86	+34 2.5	2.610	3.506	7.7	21.6
1 16	5 2.63	+33 40.6	2.695	3.513	10.2	21.7

44651 1999 RB_{148} 12 14.6 338.°56 1.°2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.55	+22 24.0	1.230	2.057	19.7	18.5
11 17	5 53.46	+21 59.7	1.153	2.050	15.5	18.2
11 27	5 46.66	+21 33.1	1.096	2.044	10.4	17.9
12 7	5 37.00	+21 4.4	1.060	2.038	4.7	17.6
12 17	5 25.91	+20 34.9	1.050	2.033	2.0	17.4
12 27	5 15.28	+20 7.3	1.065	2.029	7.8	17.7
1 6	5 6.84	+19 45.0	1.104	2.025	13.3	18.0
1 16	5 1.76	+19 30.8	1.164	2.022	18.1	18.3

198321 2004 TO_{348} 12 14.6 110.°97 3.°0/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.36	+17 14.1	1.836	2.628	15.6	20.6
11 17	5 54.01	+16 35.5	1.766	2.642	12.2	20.4
11 27	5 46.12	+15 58.9	1.719	2.656	8.3	20.2
12 7	5 36.48	+15 25.9	1.699	2.670	4.4	20.0
12 17	5 26.13	+14 58.4	1.707	2.683	3.3	19.9
12 27	5 16.30	+14 38.3	1.744	2.696	6.5	20.2
1 6	5 8.06	+14 27.0	1.808	2.708	10.3	20.4
1 16	5 2.15	+14 24.8	1.897	2.720	13.6	20.6

401488 2013 DT_{5} 12 14.6 41.°86 3.°5/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.09	+15 1.9	1.730	2.531	16.1	21.5
11 17	5 51.80	+14 40.5	1.655	2.534	12.7	21.3
11 27	5 44.86	+14 24.2	1.601	2.539	8.8	21.0
12 7	5 36.01	+14 14.4	1.573	2.543	4.9	20.8
12 17	5 26.28	+14 12.4	1.572	2.547	3.7	20.8
12 27	5 16.93	+14 18.9	1.599	2.552	6.9	21.0
1 6	5 9.12	+14 33.9	1.652	2.556	10.8	21.2
1 16	5 3.66	+14 56.7	1.730	2.561	14.3	21.4

227389 2005 UH_{310} 12 14.6 253.°48 1.°1/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.39	+25 4.2	1.696	2.494	16.4	21.4
11 17	5 55.70	+25 20.7	1.602	2.482	13.0	21.2
11 27	5 47.85	+25 35.8	1.530	2.471	8.8	20.9
12 7	5 37.49	+25 47.1	1.483	2.459	4.1	20.6
12 17	5 25.78	+25 52.4	1.464	2.446	1.6	20.4
12 27	5 14.26	+25 51.4	1.473	2.434	6.4	20.7
1 6	5 4.42	+25 45.9	1.509	2.421	11.1	20.9
1 16	4 57.36	+25 38.9	1.569	2.407	15.2	21.1

344909 2004 RG_{202} 12 14.6 84.°92 6.°3/13.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.02	+ 9 31.6	1.726	2.508	16.8	22.0
11 17	5 55.10	+ 8 26.0	1.676	2.538	13.5	21.8
11 27	5 46.69	+ 7 29.2	1.648	2.568	9.9	21.7
12 7	5 36.67	+ 6 45.3	1.645	2.597	7.0	21.6
12 17	5 26.13	+ 6 17.4	1.670	2.626	6.4	21.6
12 27	5 16.29	+ 6 7.0	1.724	2.654	8.5	21.8
1 6	5 8.17	+ 6 13.4	1.803	2.681	11.5	22.0
1 16	5 2.42	+ 6 34.2	1.906	2.708	14.4	22.3

335220 2005 GB_{27} 12 14.6 252.°63 4.°2/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.93	+13 14.2	1.932	2.712	15.3	22.3
11 17	5 55.66	+12 45.1	1.821	2.688	12.4	22.1
11 27	5 47.63	+12 20.5	1.733	2.662	8.8	21.8
12 7	5 37.37	+12 2.5	1.670	2.635	5.4	21.6
12 17	5 25.82	+11 53.1	1.637	2.608	4.5	21.4
12 27	5 14.25	+11 53.8	1.633	2.579	7.5	21.6
1 6	5 3.92	+12 5.3	1.657	2.549	11.5	21.7
1 16	4 55.88	+12 27.3	1.705	2.519	15.3	21.9

523468 2017 FK_{120} 12 14.6 90.°12 0.°4/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.90	+22 49.5	2.257	3.044	13.2	20.7
11 17	5 51.94	+23 15.9	2.178	3.053	10.3	20.5
11 27	5 44.73	+23 42.8	2.123	3.062	6.8	20.3
12 7	5 35.91	+24 8.4	2.096	3.072	3.0	20.1
12 17	5 26.34	+24 31.2	2.098	3.081	1.0	19.9
12 27	5 17.05	+24 50.5	2.130	3.090	4.8	20.2
1 6	5 9.02	+25 6.8	2.192	3.099	8.3	20.4
1 16	5 2.98	+25 20.9	2.279	3.108	11.4	20.7

378088 2006 UM_{92} 12 14.6 192.°36 0.°1/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.93	+22 54.8	1.777	2.569	16.0	21.7
11 17	5 56.53	+22 59.6	1.690	2.568	12.6	21.4
11 27	5 48.16	+23 3.8	1.626	2.566	8.4	21.2
12 7	5 37.54	+23 6.0	1.587	2.564	3.7	20.9
12 17	5 25.81	+23 5.1	1.578	2.561	1.2	20.7
12 27	5 14.41	+23 1.4	1.597	2.557	6.0	21.0
1 6	5 4.67	+22 56.5	1.644	2.553	10.5	21.3
1 16	4 57.58	+22 52.8	1.716	2.548	14.4	21.5

494974 2009 WL_{78} 12 14.6 299.°68 0.°2/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.65	+26 7.0	2.212	3.002	13.3	20.9
11 17	5 51.09	+25 39.7	2.117	2.994	10.4	20.7
11 27	5 44.23	+25 7.2	2.046	2.985	7.0	20.4
12 7	5 35.71	+24 29.4	2.001	2.977	3.1	20.2
12 17	5 26.40	+23 47.1	1.986	2.969	1.0	20.0
12 27	5 17.39	+23 2.4	2.001	2.961	5.0	20.3
1 6	5 9.67	+22 18.4	2.044	2.953	8.8	20.5
1 16	5 3.98	+21 38.0	2.113	2.945	12.1	20.7

89095 2001 TU_{189} 12 14.6 180.°84 3.°7/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.73	+32 5.2	1.842	2.625	15.9	19.8
11 17	5 57.31	+32 35.4	1.758	2.626	12.7	19.6
11 27	5 48.75	+32 58.8	1.696	2.626	9.0	19.3
12 7	5 37.82	+33 11.2	1.660	2.626	5.3	19.1
12 17	5 25.74	+33 9.4	1.652	2.626	3.8	19.0
12 27	5 14.05	+32 53.3	1.672	2.625	6.7	19.2
1 6	5 4.17	+32 26.2	1.720	2.624	10.5	19.4
1 16	4 57.11	+31 53.2	1.793	2.622	14.0	19.7

332233 2006 HJ_{96} 12 14.6 336.°34 7.°2/13.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.42	+34 28.8	1.611	2.410	17.1	20.5
11 17	5 54.34	+36 16.4	1.518	2.389	14.1	20.2
11 27	5 47.58	+38 2.8	1.445	2.369	10.8	20.0
12 7	5 37.65	+39 39.4	1.397	2.350	8.0	19.7
12 17	5 25.69	+40 56.9	1.376	2.332	7.4	19.7
12 27	5 13.53	+41 49.4	1.380	2.315	9.8	19.8
1 6	5 3.14	+42 16.8	1.409	2.300	13.3	19.9
1 16	4 56.06	+42 23.6	1.460	2.286	16.8	20.1

278628 2008 QZ_{40} 12 14.6 196.°93 1.°2/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.69	+26 37.6	1.984	2.768	14.9	22.0
11 17	5 56.12	+26 44.6	1.893	2.766	11.7	21.8
11 27	5 47.77	+26 48.0	1.826	2.763	7.9	21.6
12 7	5 37.34	+26 45.7	1.784	2.759	3.7	21.3
12 17	5 25.90	+26 36.4	1.772	2.755	1.6	21.1
12 27	5 14.76	+26 20.7	1.790	2.750	5.6	21.4
1 6	5 5.17	+26 1.0	1.837	2.744	9.7	21.6
1 16	4 58.04	+25 40.4	1.909	2.738	13.3	21.9

404403 2013 GW_{57} 12 14.6 141°.19 2°.4/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.76	+28 39.4	1.995	2.783	14.6	21.6
11 17	5 53.90	+29 9.9	1.911	2.785	11.5	21.4
11 27	5 46.32	+29 36.8	1.850	2.786	7.9	21.2
12 7	5 36.71	+29 57.0	1.815	2.786	4.2	21.0
12 17	5 26.10	+30 8.1	1.809	2.787	2.6	20.9
12 27	5 15.80	+30 9.6	1.832	2.788	5.8	21.1
1 6	5 7.01	+30 3.2	1.882	2.789	9.5	21.3
1 16	5 0.63	+29 52.1	1.958	2.790	12.9	21.5

108667 2001 OS 12 14.6 84°.36 6°.1/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.73	+ 6 15.4	1.625	2.398	18.1	19.1
11 17	5 57.41	+ 6 12.7	1.574	2.430	14.5	18.9
11 27	5 48.35	+ 6 24.5	1.543	2.460	10.7	18.8
12 7	5 37.46	+ 6 52.6	1.537	2.491	7.3	18.6
12 17	5 25.93	+ 7 36.5	1.560	2.520	6.2	18.7
12 27	5 15.10	+ 8 34.0	1.611	2.549	8.3	18.8
1 6	5 6.12	+ 9 41.4	1.689	2.577	11.6	19.1
1 16	4 59.73	+10 54.9	1.792	2.605	14.7	19.4

289472 2005 ER_{73} 12 14.6 358°.32 2°.7/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.82	+17 31.6	1.169	1.998	20.5	20.4
11 17	5 53.73	+17 27.8	1.099	1.996	16.1	20.1
11 27	5 46.90	+17 30.0	1.047	1.994	11.0	19.8
12 7	5 37.17	+17 38.8	1.018	1.994	5.4	19.5
12 17	5 25.98	+17 54.1	1.013	1.994	3.1	19.3
12 27	5 15.26	+18 15.4	1.032	1.994	8.2	19.6
1 6	5 6.75	+18 42.4	1.076	1.996	13.6	19.9
1 16	5 1.64	+19 14.5	1.140	1.998	18.3	20.2

327142 2005 EJ_{257} 12 14.6 53°.43 2°.8/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.22	+19 9.4	1.193	2.016	20.5	20.5
11 17	5 55.84	+18 34.6	1.140	2.034	16.0	20.3
11 27	5 47.87	+18 1.7	1.106	2.052	10.7	20.1
12 7	5 37.39	+17 32.4	1.095	2.070	5.3	19.8
12 17	5 25.97	+17 8.7	1.109	2.089	3.3	19.7
12 27	5 15.44	+16 52.9	1.148	2.108	7.9	20.1
1 6	5 7.29	+16 46.5	1.212	2.127	12.9	20.4
1 16	5 2.41	+16 50.0	1.298	2.147	17.1	20.7

480275 2015 HJ_{89} 12 14.6 135°.11 3°.6/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.85	+16 3.4	1.728	2.522	16.3	22.0
11 17	5 54.64	+15 23.1	1.654	2.530	12.9	21.8
11 27	5 46.70	+14 45.6	1.603	2.539	8.9	21.5
12 7	5 36.83	+14 13.2	1.577	2.546	5.0	21.3
12 17	5 26.12	+13 47.8	1.579	2.553	3.9	21.3
12 27	5 15.89	+13 31.6	1.610	2.560	7.1	21.5
1 6	5 7.31	+13 25.6	1.667	2.567	11.0	21.7
1 16	5 1.21	+13 29.9	1.749	2.573	14.6	22.0

301311 2009 BM_{146} 12 14.6 359°.10 0°.7/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.02	+25 32.3	1.579	2.388	16.9	21.1
11 17	5 53.06	+25 28.6	1.500	2.387	13.3	20.8
11 27	5 46.00	+25 21.3	1.442	2.386	8.9	20.6
12 7	5 36.63	+25 9.0	1.409	2.385	4.0	20.3
12 17	5 26.17	+24 51.1	1.402	2.386	1.4	20.1
12 27	5 16.15	+24 29.1	1.424	2.386	6.3	20.4
1 6	5 7.94	+24 5.9	1.471	2.387	11.0	20.7
1 16	5 2.52	+23 44.7	1.542	2.388	15.0	21.0

286987 2002 QC_{48} 12 14.6 110°.49 1°.4/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.93	+18 30.6	2.471	3.255	12.3	21.1
11 17	5 50.12	+18 29.1	2.392	3.265	9.5	20.9
11 27	5 43.38	+18 29.6	2.337	3.274	6.4	20.7
12 7	5 35.29	+18 32.1	2.309	3.283	3.1	20.5
12 17	5 26.60	+18 36.5	2.312	3.292	1.7	20.4
12 27	5 18.19	+18 43.0	2.345	3.301	4.7	20.6
1 6	5 10.88	+18 51.9	2.407	3.310	7.9	20.9
1 16	5 5.29	+19 3.7	2.495	3.319	10.7	21.1

337941 2001 YT_{66} 12 14.6 9°.78 3°.6/15.2 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.47	+31 27.4	1.183	2.010	20.4	20.5
11 17	5 53.68	+31 31.6	1.118	2.012	16.2	20.2
11 27	5 46.90	+31 24.8	1.071	2.014	11.3	20.0
12 7	5 37.13	+31 3.4	1.046	2.019	6.1	19.7
12 17	5 26.03	+30 25.9	1.045	2.024	3.7	19.6
12 27	5 15.70	+29 35.4	1.068	2.031	7.9	19.8
1 6	5 7.90	+28 38.4	1.116	2.039	12.9	20.1
1 16	5 3.70	+27 42.2	1.184	2.048	17.4	20.4

270612 2002 OK_{24} 12 14.6 112°.01 5°.0/16.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.96	+41 34.2	2.761	3.499	12.2	20.9
11 17	5 55.63	+41 51.7	2.687	3.516	10.1	20.7
11 27	5 47.02	+41 57.8	2.637	3.533	7.8	20.6
12 7	5 36.87	+41 49.4	2.613	3.550	5.7	20.5
12 17	5 26.14	+41 24.9	2.618	3.566	5.0	20.5
12 27	5 15.93	+40 45.2	2.654	3.582	6.0	20.6
1 6	5 7.19	+39 53.9	2.718	3.598	8.1	20.7
1 16	5 0.60	+38 55.5	2.809	3.613	10.2	20.9

326655 2002 TM_{159} 12 14.6 79°.29 1°.4/14.7 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 5.52	+17 50.4	1.487	2.282	18.5	21.7
11 17	5 59.24	+18 17.2	1.435	2.314	14.3	21.5
11 27	5 49.79	+18 49.4	1.405	2.345	9.5	21.3
12 7	5 38.17	+19 24.7	1.399	2.375	4.4	21.1
12 17	5 25.75	+20 0.7	1.422	2.405	1.9	21.0
12 27	5 14.14	+20 35.9	1.474	2.434	6.5	21.4
1 6	5 4.67	+21 9.8	1.554	2.463	11.0	21.7
1 16	4 58.18	+21 42.7	1.657	2.491	14.7	22.0

305876 2009 FB_{9} 12 14.6 279°.68 7°.8/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.86	+ 5 17.2	1.847	2.627	16.0	21.1
11 17	5 50.78	+ 4 13.5	1.759	2.614	13.3	20.9
11 27	5 44.23	+ 3 19.4	1.692	2.602	10.5	20.7
12 7	5 35.82	+ 2 40.0	1.650	2.589	8.3	20.5
12 17	5 26.44	+ 2 19.6	1.634	2.576	8.0	20.5
12 27	5 17.25	+ 2 20.5	1.645	2.564	9.8	20.6
1 6	5 9.35	+ 2 42.3	1.682	2.551	12.7	20.7
1 16	5 3.58	+ 3 22.4	1.740	2.538	15.7	20.9

112544 2002 PY_{41} 12 14.6 106°.85 1°.6/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.57	+26 53.2	1.742	2.528	16.6	20.4
11 17	5 59.13	+27 8.6	1.679	2.552	12.9	20.2
11 27	5 49.68	+27 19.9	1.638	2.575	8.6	20.0
12 7	5 38.13	+27 24.5	1.624	2.598	4.1	19.8
12 17	5 25.79	+27 20.5	1.638	2.620	1.9	19.7
12 27	5 14.15	+27 8.9	1.682	2.641	5.9	20.0
1 6	5 4.49	+26 52.5	1.754	2.661	10.1	20.3
1 16	4 57.65	+26 34.9	1.851	2.681	13.6	20.6

444480 2006 QL_{89} 12 14.6 68°.97 6°.9/13.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.00	+ 7 53.5	1.791	2.574	16.2	20.8
11 17	5 52.07	+ 6 39.7	1.735	2.596	13.2	20.6
11 27	5 44.78	+ 5 35.4	1.702	2.618	10.0	20.5
12 7	5 35.91	+ 4 45.1	1.694	2.640	7.5	20.4
12 17	5 26.48	+ 4 12.4	1.713	2.662	7.0	20.4
12 27	5 17.61	+ 3 59.1	1.760	2.683	8.9	20.6
1 6	5 10.27	+ 4 4.5	1.832	2.705	11.7	20.8
1 16	5 5.12	+ 4 26.2	1.928	2.727	14.4	21.0

191295 2003 FX_{112} 12 14.6 54°.58 10°.6/16.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 7.83	+45 18.4	1.489	2.253	19.8	19.4
11 17	6 2.86	+46 45.9	1.429	2.264	16.9	19.2
11 27	5 53.26	+47 56.0	1.387	2.275	13.9	19.1
12 7	5 40.05	+48 38.1	1.367	2.286	11.5	19.0
12 17	5 25.16	+48 44.3	1.370	2.298	10.6	19.0
12 27	5 11.13	+48 14.0	1.398	2.310	11.8	19.1
1 6	5 0.13	+47 14.7	1.450	2.322	14.3	19.2
1 16	4 53.41	+45 57.5	1.523	2.334	17.0	19.5

336794 2011 CL_{71} 12 14.6 39°.70 19°.5/22.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 21.59	+59 8.7	0.909	1.666	30.1	19.9
11 17	6 18.10	+60 31.8	0.868	1.676	27.3	19.7
11 27	6 5.38	+61 15.0	0.838	1.688	24.3	19.6
12 7	5 45.59	+60 57.5	0.820	1.701	21.5	19.5
12 17	5 23.66	+59 25.3	0.818	1.714	19.8	19.4
12 27	5 5.41	+56 43.1	0.835	1.728	19.7	19.5
1 6	4 54.20	+53 14.6	0.870	1.743	21.2	19.6
1 16	4 50.46	+49 27.8	0.924	1.759	23.5	19.9

522244 2016 AO_{272} 12 14.6 71°.51 4°.5/15.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.71	+36 38.7	2.293	3.061	13.6	21.5
11 17	5 53.64	+37 4.9	2.212	3.065	11.0	21.3
11 27	5 46.02	+37 22.0	2.153	3.070	8.1	21.2
12 7	5 36.56	+37 26.5	2.121	3.075	5.5	21.0
12 17	5 26.27	+37 16.1	2.117	3.080	4.5	21.0
12 27	5 16.37	+36 51.3	2.142	3.085	6.2	21.1
1 6	5 7.96	+36 15.0	2.195	3.090	9.0	21.3
1 16	5 1.86	+35 31.9	2.273	3.095	11.7	21.4

28174 Harue 12 14.6 219°.48 0°.3/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.84	+20 43.3	2.331	3.111	13.0	19.3
11 17	5 53.54	+21 7.8	2.233	3.104	10.2	19.1
11 27	5 45.93	+21 34.6	2.158	3.095	6.8	18.8
12 7	5 36.56	+22 2.3	2.111	3.086	3.1	18.6
12 17	5 26.25	+22 29.3	2.094	3.077	1.0	18.4
12 27	5 16.05	+22 54.7	2.109	3.067	4.9	18.7
1 6	5 6.99	+23 18.3	2.152	3.057	8.6	18.9
1 16	4 59.87	+23 40.8	2.223	3.046	11.9	19.1

304035 2006 DY_{92} 12 14.6 97°.97 4°.8/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.10	+34 52.3	1.829	2.606	16.2	20.7
11 17	5 58.30	+35 31.7	1.762	2.623	13.0	20.5
11 27	5 49.32	+36 2.0	1.716	2.639	9.4	20.3
12 7	5 38.06	+36 18.0	1.695	2.655	6.1	20.1
12 17	5 25.83	+36 16.6	1.703	2.670	4.8	20.1
12 27	5 14.22	+35 58.1	1.739	2.686	7.1	20.3
1 6	5 4.60	+35 26.5	1.802	2.701	10.4	20.5
1 16	4 57.90	+34 47.4	1.890	2.715	13.6	20.7

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
381385 2008 GZ_1		12 14.6 246°.18	2°.4/14.3 18			
	h m	° ′			°	m
11 7	5 59.62	+19 9.8	1.643	2.443	16.8	21.3
11 17	5 54.98	+18 38.4	1.552	2.433	13.2	21.1
11 27	5 47.29	+18 7.1	1.482	2.422	9.0	20.8
12 7	5 37.27	+17 36.9	1.437	2.411	4.5	20.5
12 17	5 26.04	+17 9.5	1.420	2.400	2.8	20.4
12 27	5 15.07	+16 47.1	1.431	2.388	7.0	20.6
1 6	5 5.76	+16 31.9	1.469	2.376	11.7	20.8
1 16	4 59.13	+16 25.6	1.530	2.364	15.8	21.1
321227 2009 AY_{16}		12 14.6 227°.10	0°.5/14.7 18			
11 7	5 59.37	+22 52.5	1.966	2.756	14.8	20.6
11 17	5 54.40	+23 18.8	1.874	2.751	11.6	20.4
11 27	5 46.73	+23 46.1	1.805	2.745	7.8	20.1
12 7	5 36.97	+24 12.5	1.763	2.739	3.5	19.9
12 17	5 26.13	+24 35.8	1.749	2.732	1.2	19.7
12 27	5 15.46	+24 55.1	1.765	2.725	5.6	20.0
1 6	5 6.20	+25 10.6	1.810	2.718	9.7	20.2
1 16	4 59.29	+25 24.0	1.879	2.711	13.4	20.4
76008 2000 DV_{22}		12 14.6 9°.62	2°.0/14.9 18			
11 7	5 57.27	+27 46.7	1.547	2.356	17.2	19.9
11 17	5 53.39	+27 57.9	1.471	2.357	13.6	19.7
11 27	5 46.30	+28 4.3	1.416	2.358	9.2	19.4
12 7	5 36.81	+28 3.4	1.385	2.360	4.5	19.2
12 17	5 26.20	+27 53.4	1.381	2.363	2.2	19.0
12 27	5 16.06	+27 35.3	1.405	2.366	6.5	19.3
1 6	5 7.82	+27 12.1	1.454	2.370	11.0	19.6
1 16	5 2.48	+26 47.8	1.526	2.374	15.0	19.8
280561 2004 RD_{330}		12 14.6 162°.14	4°.7/13.9 18			
11 7	5 58.70	+11 23.8	2.071	2.849	14.5	21.5
11 17	5 53.32	+10 40.7	1.992	2.855	11.6	21.3
11 27	5 45.65	+10 3.3	1.936	2.860	8.4	21.1
12 7	5 36.37	+ 9 34.1	1.906	2.865	5.6	20.9
12 17	5 26.36	+ 9 15.4	1.906	2.869	4.9	20.9
12 27	5 16.69	+ 9 8.6	1.935	2.873	7.2	21.1
1 6	5 8.35	+ 9 14.1	1.991	2.876	10.3	21.2
1 16	5 2.05	+ 9 30.7	2.072	2.878	13.3	21.4
381012 2006 UH_{94}		12 14.6 100°.88	1°.0/14.6 16			
11 7	6 2.79	+20 46.6	1.542	2.342	17.7	21.9
11 17	5 57.27	+20 47.9	1.478	2.359	13.8	21.7
11 27	5 48.62	+20 50.5	1.435	2.376	9.2	21.5
12 7	5 37.74	+20 53.5	1.417	2.393	4.1	21.2
12 17	5 25.95	+20 56.0	1.426	2.409	1.6	21.1
12 27	5 14.79	+20 58.5	1.465	2.425	6.4	21.4
1 6	5 5.62	+21 2.1	1.530	2.440	11.0	21.7
1 16	4 59.33	+21 8.5	1.618	2.455	14.9	22.0
103464 2000 AG_{207}		12 14.6 168°.93	0°.2/14.7 18			
11 7	5 58.32	+23 57.5	1.980	2.772	14.6	20.6
11 17	5 53.41	+23 56.5	1.896	2.774	11.4	20.4
11 27	5 45.92	+23 53.5	1.835	2.775	7.6	20.2
12 7	5 36.55	+23 47.8	1.800	2.776	3.4	19.9
12 17	5 26.30	+23 38.7	1.794	2.777	1.0	19.7
12 27	5 16.38	+23 26.9	1.817	2.778	5.4	20.1
1 6	5 7.93	+23 14.5	1.869	2.778	9.4	20.3
1 16	5 1.77	+23 3.4	1.945	2.778	12.9	20.5
42391 4753 P–L		12 14.6 109°.85	1°.5/14.5 18			
11 7	6 1.08	+20 0.6	1.444	2.251	18.3	19.8
11 17	5 56.31	+19 55.5	1.372	2.258	14.4	19.6
11 27	5 48.21	+19 52.4	1.321	2.264	9.6	19.3
12 7	5 37.66	+19 50.8	1.294	2.270	4.4	19.0
12 17	5 25.97	+19 50.6	1.294	2.276	2.0	18.9
12 27	5 14.80	+19 52.1	1.322	2.282	7.0	19.2
1 6	5 5.65	+19 56.7	1.375	2.288	11.8	19.5
1 16	4 59.50	+20 5.5	1.451	2.294	16.0	19.8
77507 2001 HT_{47}		12 14.7 178°.09	0°.4/14.6 18			
11 7	5 58.90	+23 41.6	2.204	2.988	13.6	19.8
11 17	5 53.53	+23 19.3	2.116	2.989	10.6	19.6
11 27	5 45.82	+22 54.0	2.052	2.990	7.0	19.4
12 7	5 36.46	+22 25.6	2.015	2.991	3.1	19.1
12 17	5 26.35	+21 54.9	2.008	2.991	1.1	19.0
12 27	5 16.59	+21 23.4	2.032	2.991	5.1	19.2
1 6	5 8.17	+20 53.7	2.085	2.990	8.8	19.5
1 16	5 1.83	+20 27.9	2.163	2.989	12.1	19.7
136894 1998 HC_{35}		12 14.7 246°.69	1°.0/14.7 18			
11 7	6 1.90	+24 25.5	1.691	2.486	16.6	20.9
11 17	5 57.00	+24 48.4	1.594	2.473	13.1	20.6
11 27	5 48.84	+25 11.2	1.519	2.459	8.9	20.4
12 7	5 38.06	+25 31.3	1.468	2.444	4.1	20.0
12 17	5 25.81	+25 45.9	1.446	2.429	1.6	19.8
12 27	5 13.66	+25 54.1	1.453	2.414	6.5	20.1
1 6	5 3.19	+25 57.0	1.487	2.397	11.3	20.4
1 16	4 55.55	+25 57.6	1.545	2.381	15.5	20.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
137138 1999 CC_{98}		12 14.7 329°.11	1°.6/14.8 17			
	h m	° ′			°	m
11 7	5 54.03	+26 21.9	1.467	2.286	17.5	19.6
11 17	5 51.34	+26 35.1	1.373	2.265	13.9	19.4
11 27	5 45.29	+26 45.4	1.299	2.245	9.5	19.1
12 7	5 36.55	+26 50.4	1.249	2.225	4.6	18.7
12 17	5 26.27	+26 47.9	1.225	2.207	2.0	18.5
12 27	5 16.14	+26 38.0	1.227	2.190	6.9	18.8
1 6	5 7.79	+26 23.1	1.253	2.173	12.1	19.0
1 16	5 2.44	+26 6.8	1.302	2.158	16.6	19.2
400609 2009 BH_{171}		12 14.7 172°.48	5°.4/15.7 18			
11 7	6 4.26	+39 51.4	2.315	3.065	14.0	21.6
11 17	5 58.06	+40 20.7	2.230	3.068	11.5	21.4
11 27	5 49.03	+40 38.8	2.166	3.070	8.8	21.2
12 7	5 37.95	+40 41.2	2.129	3.072	6.4	21.1
12 17	5 25.93	+40 25.0	2.120	3.074	5.5	21.0
12 27	5 14.36	+39 50.5	2.141	3.075	6.9	21.1
1 6	5 4.46	+39 1.5	2.190	3.075	9.5	21.3
1 16	4 57.13	+38 3.8	2.265	3.075	12.1	21.4
255412 2005 XB_{12}		12 14.7 74°.23	3°.8/14.6 18			
11 7	6 1.31	+30 13.0	2.035	2.816	14.6	20.3
11 17	5 55.97	+31 24.0	1.959	2.826	11.6	20.1
11 27	5 47.80	+32 32.2	1.906	2.835	8.2	19.9
12 7	5 37.48	+33 32.5	1.879	2.844	4.9	19.8
12 17	5 26.06	+34 20.2	1.882	2.854	3.9	19.7
12 27	5 14.91	+34 53.3	1.915	2.863	6.4	19.9
1 6	5 5.30	+35 12.6	1.975	2.873	9.7	20.1
1 16	4 58.19	+35 21.3	2.061	2.882	12.8	20.3
441061 2007 QX_{13}		12 14.7 126°.08	7°.0/14.0 18			
11 7	5 57.20	+ 5 2.9	1.959	2.729	15.5	21.9
11 17	5 52.22	+ 4 13.5	1.890	2.739	12.8	21.7
11 27	5 44.96	+ 3 35.2	1.842	2.749	9.9	21.6
12 7	5 36.09	+ 3 11.8	1.819	2.758	7.6	21.4
12 17	5 26.52	+ 3 6.0	1.824	2.767	7.1	21.4
12 27	5 17.34	+ 3 18.8	1.857	2.776	8.8	21.6
1 6	5 9.51	+ 3 48.7	1.916	2.785	11.4	21.7
1 16	5 3.74	+ 4 32.7	1.998	2.793	14.1	21.9
275105 2009 VM_{42}		12 14.7 311°.45	3°.9/14.7 18			
11 7	5 57.74	+31 55.0	2.153	2.935	13.9	20.2
11 17	5 53.27	+32 50.8	2.058	2.924	11.2	20.0
11 27	5 46.08	+33 43.1	1.986	2.914	8.0	19.8
12 7	5 36.77	+34 27.4	1.940	2.903	5.0	19.6
12 17	5 26.28	+34 59.8	1.923	2.893	4.0	19.5
12 27	5 15.89	+35 18.4	1.935	2.883	6.4	19.6
1 6	5 6.83	+35 24.3	1.975	2.874	9.6	19.8
1 16	5 0.10	+35 20.5	2.040	2.864	12.7	20.0
39614 1993 YK		12 14.7 343°.20	1°.0/14.7 18			
11 7	5 53.53	+18 19.9	1.188	2.022	19.9	17.9
11 17	5 51.42	+18 54.3	1.108	2.009	15.7	17.6
11 27	5 45.62	+19 38.0	1.047	1.996	10.7	17.3
12 7	5 36.80	+20 29.6	1.008	1.986	4.9	16.9
12 17	5 26.26	+21 25.8	0.993	1.976	1.8	16.7
12 27	5 15.88	+22 23.0	1.003	1.968	7.7	17.0
1 6	5 7.53	+23 18.5	1.037	1.962	13.4	17.3
1 16	5 2.57	+24 11.5	1.091	1.957	18.4	17.6
477314 2009 SX_{327}		12 14.7 93°.01	0°.8/14.6 18			
11 7	6 3.97	+21 2.9	1.603	2.398	17.4	21.6
11 17	5 57.97	+21 6.8	1.545	2.423	13.5	21.4
11 27	5 48.97	+21 11.6	1.508	2.448	8.9	21.2
12 7	5 37.89	+21 16.2	1.496	2.472	4.0	21.0
12 17	5 26.03	+21 19.7	1.513	2.496	1.4	20.9
12 27	5 14.89	+21 22.5	1.559	2.519	6.2	21.2
1 6	5 5.73	+21 25.9	1.632	2.541	10.5	21.6
1 16	4 59.37	+21 31.3	1.729	2.563	14.2	21.8
273518 2007 BC_{15}		12 14.7 194°.29	1°.0/14.6 18			
11 7	6 0.55	+20 20.4	1.830	2.622	15.6	21.7
11 17	5 55.38	+20 23.7	1.743	2.621	12.3	21.4
11 27	5 47.40	+20 28.6	1.679	2.619	8.2	21.2
12 7	5 37.31	+20 34.4	1.641	2.616	3.8	20.9
12 17	5 26.16	+20 40.3	1.631	2.614	1.5	20.7
12 27	5 15.30	+20 46.4	1.651	2.610	6.0	21.0
1 6	5 5.98	+20 53.6	1.699	2.607	10.3	21.3
1 16	4 59.14	+21 2.9	1.771	2.602	14.1	21.5
330799 2008 UE_{283}		12 14.7 128°.30	0°.7/14.6 18			
11 7	5 54.91	+21 1.1	2.689	3.470	11.5	21.5
11 17	5 50.00	+20 58.0	2.608	3.480	8.9	21.3
11 27	5 43.29	+20 55.0	2.551	3.489	5.9	21.1
12 7	5 35.32	+20 51.9	2.522	3.498	2.7	20.9
12 17	5 26.80	+20 48.6	2.524	3.507	1.1	20.8
12 27	5 18.54	+20 45.8	2.557	3.515	4.2	21.0
1 6	5 11.31	+20 44.0	2.619	3.523	7.3	21.3
1 16	5 5.69	+20 44.1	2.708	3.531	10.0	21.4

71158 1999 XQ_{194} 12 14.7 194°.60 1°.6/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.43	+26 52.0	2.480	3.259	12.4	19.0
11 17	5 52.38	+27 25.2	2.389	3.258	9.7	18.8
11 27	5 45.12	+27 56.7	2.322	3.257	6.6	18.6
12 7	5 36.23	+28 24.2	2.283	3.255	3.3	18.4
12 17	5 26.50	+28 45.6	2.274	3.254	1.8	18.3
12 27	5 16.95	+29 0.2	2.295	3.252	4.8	18.5
1 6	5 8.53	+29 8.7	2.346	3.250	8.0	18.7
1 16	5 2.01	+29 12.8	2.423	3.247	11.0	18.9

460629 2014 UX_{96} 12 14.7 276°.36 4°.9/13.6 17

11 7	5 53.20	+10 13.8	2.348	3.127	13.0	21.3
11 17	5 48.90	+ 9 19.0	2.263	3.125	10.5	21.1
11 27	5 42.68	+ 8 29.2	2.202	3.123	7.8	20.9
12 7	5 35.09	+ 7 47.4	2.167	3.120	5.5	20.8
12 17	5 26.87	+ 7 16.3	2.162	3.118	5.1	20.8
12 27	5 18.89	+ 6 57.8	2.185	3.116	7.0	20.9
1 6	5 11.96	+ 6 52.5	2.236	3.114	9.6	21.0
1 16	5 6.72	+ 6 59.7	2.311	3.112	12.2	21.2

22569 1998 HK_{36} 12 14.7 79°.57 1°.6/14.8 18

11 7	6 4.97	+25 50.3	1.425	2.227	18.8	17.8
11 17	5 59.28	+26 16.5	1.369	2.251	14.6	17.6
11 27	5 50.10	+26 40.0	1.334	2.275	9.8	17.3
12 7	5 38.46	+26 57.2	1.323	2.298	4.6	17.1
12 17	5 25.87	+27 5.5	1.339	2.321	2.0	17.0
12 27	5 14.11	+27 5.1	1.383	2.344	6.7	17.4
1 6	5 4.66	+26 58.7	1.454	2.367	11.3	17.7
1 16	4 58.44	+26 50.3	1.548	2.389	15.2	18.0

438003 2003 UT_{325} 12 14.7 33°.08 2°.4/14.2 18

11 7	5 57.45	+20 47.0	1.515	2.326	17.4	20.9
11 17	5 53.23	+19 57.1	1.444	2.332	13.6	20.6
11 27	5 46.02	+19 5.1	1.395	2.338	9.2	20.4
12 7	5 36.66	+18 13.2	1.370	2.345	4.5	20.1
12 17	5 26.40	+17 24.2	1.372	2.352	2.8	20.0
12 27	5 16.72	+16 41.8	1.402	2.360	7.0	20.3
1 6	5 8.89	+16 8.9	1.457	2.367	11.5	20.6
1 16	5 3.78	+15 47.3	1.536	2.376	15.4	20.9

224137 2005 QD_{40} 12 14.7 178°.75 0°.4/14.7 18

11 7	6 1.76	+25 39.1	1.728	2.522	16.3	20.7
11 17	5 56.47	+25 23.3	1.645	2.523	12.8	20.4
11 27	5 48.16	+25 2.7	1.584	2.524	8.6	20.2
12 7	5 37.64	+24 36.4	1.548	2.524	3.9	19.9
12 17	5 26.10	+24 4.5	1.541	2.524	1.2	19.7
12 27	5 15.02	+23 29.1	1.563	2.524	6.1	20.1
1 6	5 5.72	+22 53.6	1.612	2.523	10.6	20.3
1 16	4 59.14	+22 21.8	1.686	2.522	14.5	20.6

378838 2008 SR_{290} 12 14.7 87°.06 7°.0/13.6 18

11 7	5 52.79	+ 2 16.6	2.417	3.174	13.3	21.0
11 17	5 48.42	+ 1 19.8	2.347	3.183	11.1	20.9
11 27	5 42.27	+ 0 33.6	2.300	3.192	8.9	20.7
12 7	5 34.88	+ 0 1.6	2.279	3.201	7.3	20.6
12 17	5 26.96	− 0 13.6	2.285	3.210	7.1	20.6
12 27	5 19.32	− 0 11.0	2.319	3.219	8.3	20.7
1 6	5 12.71	+ 0 8.6	2.379	3.228	10.3	20.9
1 16	5 7.71	+ 0 42.9	2.463	3.237	12.3	21.0

378024 2006 SV_{314} 12 14.7 85°.40 1°.6/14.8 18

11 7	5 59.54	+26 46.5	1.905	2.696	15.1	21.5
11 17	5 54.45	+27 7.4	1.833	2.709	11.8	21.3
11 27	5 46.66	+27 25.3	1.783	2.721	8.0	21.1
12 7	5 36.92	+27 37.7	1.760	2.734	3.8	20.9
12 17	5 26.33	+27 42.9	1.765	2.746	1.9	20.8
12 27	5 16.19	+27 40.9	1.799	2.758	5.6	21.0
1 6	5 7.67	+27 33.6	1.861	2.771	9.5	21.3
1 16	5 1.59	+27 23.9	1.948	2.783	12.9	21.5

67196 2000 CE_{75} 12 14.7 16°.79 1°.9/14.9 18

11 7	5 57.84	+27 38.6	1.594	2.400	17.0	19.6
11 17	5 53.76	+27 50.4	1.518	2.402	13.3	19.4
11 27	5 46.53	+27 57.8	1.463	2.405	9.1	19.1
12 7	5 36.97	+27 58.0	1.433	2.408	4.4	18.9
12 17	5 26.31	+27 49.5	1.430	2.412	2.2	18.7
12 27	5 16.12	+27 33.0	1.454	2.416	6.4	19.0
1 6	5 7.80	+27 11.6	1.505	2.420	10.8	19.3
1 16	5 2.30	+26 48.9	1.579	2.425	14.7	19.5

486639 2013 OW_{4} 12 14.7 124°.89 4°.9/14.1 18

11 7	5 53.61	+ 5 2.9	2.981	3.733	11.1	21.8
11 17	5 48.67	+ 4 33.7	2.910	3.749	9.1	21.7
11 27	5 42.25	+ 4 12.6	2.864	3.765	7.0	21.6
12 7	5 34.83	+ 4 1.4	2.844	3.781	5.3	21.5
12 17	5 26.99	+ 4 1.4	2.854	3.796	5.0	21.5
12 27	5 19.41	+ 4 12.9	2.894	3.811	6.2	21.6
1 6	5 12.70	+ 4 35.2	2.963	3.825	8.1	21.7
1 16	5 7.33	+ 5 6.8	3.057	3.838	10.0	21.9

422588 2014 TY_{62} 12 14.7 354°.01 4°.7/14.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.15	+10 32.2	1.963	2.754	14.7	20.5
11 17	5 49.31	+10 10.5	1.881	2.752	11.8	20.3
11 27	5 43.18	+ 9 56.8	1.822	2.750	8.6	20.1
12 7	5 35.39	+ 9 53.4	1.787	2.748	5.7	19.9
12 17	5 26.80	+10 1.5	1.781	2.747	4.8	19.9
12 27	5 18.45	+10 21.6	1.802	2.746	7.1	20.0
1 6	5 11.35	+10 52.7	1.850	2.746	10.3	20.2
1 16	5 6.24	+11 33.0	1.923	2.746	13.5	20.4

420914 2013 MA_{7} 12 14.7 201°.91 17°.7/ 8.9 18

11 7	5 59.36	−10 9.3	1.433	2.170	21.7	19.5
11 17	5 54.86	−13 14.7	1.380	2.169	19.8	19.4
11 27	5 47.24	−15 57.2	1.345	2.168	18.4	19.3
12 7	5 37.29	−18 3.2	1.331	2.166	17.7	19.2
12 17	5 26.22	−19 22.1	1.337	2.164	18.0	19.2
12 27	5 15.55	−19 49.3	1.362	2.162	19.2	19.3
1 6	5 6.69	−19 28.1	1.405	2.160	20.8	19.4
1 16	5 0.61	−18 26.4	1.462	2.158	22.6	19.6

498519 2008 EE_{33} 12 14.7 289°.20 21°.2/13.1 17

11 7	5 57.88	−15 56.4	1.186	1.919	25.5	20.9
11 17	5 54.44	−18 13.0	1.132	1.912	23.8	20.7
11 27	5 47.37	−19 55.8	1.091	1.904	22.4	20.6
12 7	5 37.48	−20 50.6	1.065	1.897	21.4	20.5
12 17	5 26.15	−20 46.7	1.055	1.890	21.3	20.4
12 27	5 15.20	−19 40.9	1.062	1.882	22.1	20.5
1 6	5 6.32	−17 39.8	1.085	1.875	23.7	20.6
1 16	5 0.68	−14 55.5	1.123	1.869	25.6	20.7

151384 2002 EU_{59} 12 14.7 359°.42 0°.1/14.7 18

11 7	5 56.14	+23 39.4	2.039	2.834	14.2	20.3
11 17	5 51.68	+23 36.2	1.954	2.833	11.0	20.1
11 27	5 44.78	+23 31.5	1.892	2.833	7.4	19.9
12 7	5 36.11	+23 24.4	1.857	2.833	3.3	19.6
12 17	5 26.60	+23 14.6	1.850	2.833	1.0	19.5
12 27	5 17.39	+23 3.0	1.872	2.833	5.2	19.8
1 6	5 9.56	+22 51.2	1.923	2.833	9.1	20.0
1 16	5 3.88	+22 41.1	1.999	2.834	12.5	20.2

154087 2002 CC_{241} 12 14.7 15°.48 0°.8/14.8 17

11 7	5 55.82	+25 38.8	1.752	2.556	15.7	19.8
11 17	5 51.82	+25 37.4	1.675	2.559	12.3	19.6
11 27	5 45.05	+25 32.7	1.620	2.563	8.2	19.4
12 7	5 36.26	+25 23.4	1.591	2.567	3.7	19.1
12 17	5 26.56	+25 9.1	1.588	2.571	1.3	18.9
12 27	5 17.27	+24 50.8	1.614	2.576	5.7	19.3
1 6	5 9.62	+24 31.1	1.667	2.582	10.0	19.5
1 16	5 4.45	+24 12.6	1.744	2.588	13.7	19.8

108382 Karencilevitz 12 14.7 191°.87 6°.4/15.2 18

11 7	5 58.66	+ 3 31.2	1.947	2.709	15.8	19.6
11 17	5 53.58	+ 3 36.4	1.863	2.709	13.1	19.4
11 27	5 46.05	+ 3 57.1	1.801	2.709	10.0	19.2
12 7	5 36.69	+ 4 35.5	1.764	2.709	7.4	19.0
12 17	5 26.42	+ 5 31.8	1.755	2.708	6.5	19.0
12 27	5 16.38	+ 6 44.5	1.776	2.708	8.2	19.1
1 6	5 7.65	+ 8 9.6	1.824	2.707	11.2	19.3
1 16	5 1.04	+ 9 42.7	1.897	2.706	14.2	19.5

449591 2014 JU_{42} 12 14.7 225°.74 4°.5/13.9 18

11 7	5 56.82	+12 32.1	2.020	2.805	14.6	21.6
11 17	5 52.12	+11 49.6	1.931	2.799	11.7	21.4
11 27	5 45.05	+11 11.5	1.864	2.792	8.4	21.2
12 7	5 36.24	+10 40.6	1.823	2.785	5.4	21.0
12 17	5 26.56	+10 19.3	1.811	2.778	4.7	20.9
12 27	5 17.12	+10 9.4	1.828	2.770	7.2	21.0
1 6	5 8.95	+10 11.4	1.872	2.762	10.5	21.2
1 16	5 2.83	+10 24.9	1.940	2.753	13.8	21.4

205393 2001 DQ_{50} 12 14.7 220°.53 0°.2/14.7 18

11 7	5 59.95	+21 43.1	2.077	2.862	14.2	20.7
11 17	5 54.75	+22 13.4	1.982	2.856	11.2	20.5
11 27	5 46.95	+22 45.9	1.911	2.849	7.5	20.2
12 7	5 37.15	+23 18.7	1.866	2.842	3.4	20.0
12 17	5 26.28	+23 49.6	1.851	2.834	1.0	19.8
12 27	5 15.54	+24 17.3	1.867	2.827	5.4	20.1
1 6	5 6.10	+24 41.6	1.911	2.818	9.4	20.3
1 16	4 58.89	+25 3.5	1.981	2.809	12.9	20.5

24368 2000 AQ_{127} 12 14.7 169°.79 0°.7/14.8 18

11 7	5 59.38	+26 0.3	2.455	3.231	12.6	18.6
11 17	5 53.74	+25 59.3	2.367	3.235	9.8	18.5
11 27	5 45.93	+25 55.1	2.303	3.239	6.6	18.3
12 7	5 36.57	+25 46.6	2.267	3.242	3.0	18.0
12 17	5 26.50	+25 33.3	2.262	3.245	1.1	17.9
12 27	5 16.73	+25 15.9	2.288	3.247	4.6	18.2
1 6	5 8.20	+24 56.3	2.343	3.248	8.0	18.4
1 16	5 1.61	+24 36.8	2.425	3.248	11.0	18.6

381066 2006 YQ_4 12 14.7 333°.57 0°.3/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.56	+25 49.8	1.170	2.004	20.1	20.3
11 17	5 52.38	+25 25.8	1.088	1.988	15.9	19.9
11 27	5 46.30	+24 54.7	1.024	1.974	10.8	19.6
12 7	5 37.11	+24 15.6	0.982	1.960	4.9	19.2
12 17	5 26.29	+23 29.4	0.965	1.948	1.5	19.0
12 27	5 15.84	+22 39.8	0.972	1.937	7.8	19.3
1 6	5 7.64	+21 52.4	1.002	1.927	13.7	19.6
1 16	5 2.99	+21 12.7	1.052	1.918	18.9	19.9

83059 2001 QP_{207} 12 14.7 31°.10 5°.5/15.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.74	+36 37.3	1.813	2.593	16.2	19.4
11 17	5 56.00	+37 14.9	1.736	2.596	13.2	19.2
11 27	5 48.04	+37 42.3	1.679	2.599	9.8	19.0
12 7	5 37.66	+37 54.4	1.647	2.603	6.7	18.9
12 17	5 26.16	+37 47.6	1.642	2.606	5.5	18.8
12 27	5 15.13	+37 22.0	1.665	2.610	7.5	18.9
1 6	5 6.03	+36 41.7	1.714	2.614	10.8	19.1
1 16	4 59.84	+35 53.0	1.788	2.618	14.0	19.3

508869 2002 VT_{130} 12 14.7 123°.11 0°.0/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 31.92	+24 24.5	42.392	43.168	0.8	22.1
11 17	5 31.21	+24 24.1	42.298	43.169	0.6	22.1
11 27	5 30.41	+24 23.7	42.232	43.169	0.4	22.1
12 7	5 29.55	+24 23.1	42.195	43.170	0.2	22.1
12 17	5 28.66	+24 22.5	42.188	43.171	0.1	22.0
12 27	5 27.79	+24 21.8	42.212	43.172	0.3	22.1
1 6	5 26.96	+24 21.0	42.267	43.172	0.5	22.1
1 16	5 26.20	+24 20.3	42.349	43.173	0.7	22.1

434355 2004 RN_{216} 12 14.7 89°.41 2°.0/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.29	+20 32.8	1.729	2.522	16.4	21.3
11 17	5 56.36	+19 51.2	1.670	2.547	12.7	21.1
11 27	5 47.74	+19 8.9	1.632	2.571	8.5	20.9
12 7	5 37.34	+18 27.1	1.621	2.595	4.0	20.7
12 17	5 26.33	+17 47.9	1.639	2.619	2.4	20.6
12 27	5 16.03	+17 13.9	1.686	2.642	6.2	20.9
1 6	5 7.56	+16 47.2	1.761	2.665	10.2	21.2
1 16	5 1.63	+16 29.4	1.860	2.687	13.7	21.5

218563 2005 GV_{29} 12 14.7 232°.16 2°.5/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.50	+18 0.2	1.672	2.469	16.7	21.0
11 17	5 55.67	+17 40.8	1.581	2.460	13.2	20.7
11 27	5 47.81	+17 23.5	1.511	2.450	9.0	20.4
12 7	5 37.61	+17 9.3	1.467	2.440	4.6	20.2
12 17	5 26.20	+16 58.8	1.450	2.430	2.9	20.0
12 27	5 15.01	+16 53.6	1.462	2.418	6.9	20.3
1 6	5 5.44	+16 54.6	1.500	2.407	11.5	20.5
1 16	4 58.52	+17 2.7	1.563	2.395	15.6	20.7

432620 2010 VV_{18} 12 14.7 359°.96 0°.8/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.13	+22 7.3	1.134	1.965	20.8	20.4
11 17	5 55.16	+22 46.6	1.064	1.963	16.4	20.1
11 27	5 48.17	+23 30.4	1.013	1.962	11.0	19.8
12 7	5 37.97	+24 15.0	0.984	1.961	5.0	19.4
12 17	5 26.08	+24 56.0	0.979	1.962	1.7	19.2
12 27	5 14.62	+25 30.6	0.999	1.963	7.9	19.6
1 6	5 5.55	+25 58.7	1.042	1.965	13.6	19.9
1 16	5 0.17	+26 22.4	1.106	1.968	18.5	20.2

306032 2010 EH_{123} 12 14.7 148°.72 5°.4/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.48	+ 8 12.3	2.201	2.971	14.0	21.8
11 17	5 52.26	+ 7 33.9	2.125	2.980	11.4	21.6
11 27	5 44.94	+ 7 3.5	2.072	2.988	8.5	21.4
12 7	5 36.14	+ 6 43.8	2.046	2.996	6.1	21.3
12 17	5 26.69	+ 6 36.6	2.048	3.003	5.5	21.3
12 27	5 17.57	+ 6 43.1	2.079	3.009	7.3	21.4
1 6	5 9.65	+ 7 2.4	2.139	3.016	10.0	21.6
1 16	5 3.62	+ 7 32.9	2.222	3.021	12.7	21.8

159690 2002 NK_2 12 14.7 136°.71 0°.6/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.53	+21 28.5	2.724	3.503	11.4	21.0
11 17	5 50.48	+21 24.2	2.642	3.513	8.8	20.8
11 27	5 43.63	+21 19.7	2.585	3.522	5.9	20.7
12 7	5 35.54	+21 14.6	2.556	3.531	2.6	20.5
12 17	5 26.89	+21 9.1	2.557	3.540	1.0	20.3
12 27	5 18.51	+21 3.6	2.590	3.549	4.2	20.6
1 6	5 11.15	+20 59.0	2.653	3.557	7.2	20.8
1 16	5 5.41	+20 56.3	2.742	3.564	9.9	21.0

21562 Chrismessick 12 14.7 189°.78 6°.0/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.61	+ 7 10.3	2.192	2.961	14.1	19.3
11 17	5 51.69	+ 6 19.6	2.108	2.960	11.5	19.1
11 27	5 44.63	+ 5 36.7	2.047	2.959	8.8	18.9
12 7	5 36.04	+ 5 5.1	2.013	2.957	6.6	18.8
12 17	5 26.73	+ 4 47.5	2.006	2.955	6.2	18.7
12 27	5 17.66	+ 4 45.4	2.029	2.952	7.9	18.8
1 6	5 9.76	+ 4 58.6	2.078	2.949	10.6	19.0
1 16	5 3.72	+ 5 25.5	2.152	2.945	13.3	19.2

57233 2001 QU_{79} 12 14.7 115°.45 2°.8/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.03	+28 37.9	1.720	2.510	16.5	18.9
11 17	5 57.63	+29 17.6	1.646	2.520	13.0	18.7
11 27	5 49.06	+29 53.6	1.595	2.530	9.0	18.4
12 7	5 38.13	+30 21.8	1.568	2.539	4.8	18.2
12 17	5 26.09	+30 38.6	1.570	2.549	3.0	18.1
12 27	5 14.51	+30 43.3	1.601	2.558	6.5	18.4
1 6	5 4.82	+30 38.2	1.659	2.566	10.5	18.6
1 16	4 58.00	+30 27.3	1.741	2.575	14.2	18.9

41428 2000 EL_{85} 12 14.7 279°.89 1°.3/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.16	+22 20.2	1.536	2.344	17.4	18.9
11 17	5 54.83	+21 47.5	1.452	2.338	13.7	18.6
11 27	5 47.32	+21 11.8	1.389	2.333	9.2	18.4
12 7	5 37.40	+20 33.6	1.350	2.327	4.2	18.1
12 17	5 26.31	+19 54.4	1.339	2.321	1.9	17.9
12 27	5 15.62	+19 17.3	1.355	2.316	6.8	18.2
1 6	5 6.77	+18 45.6	1.398	2.310	11.7	18.5
1 16	5 0.76	+18 22.1	1.463	2.305	15.9	18.7

251125 2006 SM_{375} 12 14.7 246°.34 6°.3/13.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.55	+ 6 50.0	2.120	2.893	14.4	21.0
11 17	5 51.06	+ 6 2.3	2.028	2.882	11.8	20.8
11 27	5 44.34	+ 5 22.8	1.958	2.871	9.1	20.6
12 7	5 35.97	+ 4 55.1	1.914	2.859	6.9	20.4
12 17	5 26.75	+ 4 42.1	1.898	2.847	6.4	20.4
12 27	5 17.69	+ 4 45.6	1.910	2.835	8.2	20.4
1 6	5 9.76	+ 5 5.1	1.949	2.822	11.1	20.6
1 16	5 3.74	+ 5 38.8	2.012	2.810	13.9	20.8

222845 2002 EL_{82} 12 14.7 216°.15 0°.3/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.15	+22 46.4	2.236	3.025	13.2	20.9
11 17	5 51.50	+22 41.8	2.147	3.023	10.3	20.7
11 27	5 44.59	+22 36.1	2.082	3.021	6.9	20.5
12 7	5 36.06	+22 28.9	2.043	3.019	3.1	20.3
12 17	5 26.74	+22 20.1	2.034	3.017	1.0	20.1
12 27	5 17.67	+22 10.2	2.055	3.015	4.9	20.4
1 6	5 9.84	+22 0.8	2.104	3.013	8.6	20.6
1 16	5 3.97	+21 53.3	2.179	3.010	11.8	20.8

165627 2001 FZ_{142} 12 14.7 135°.93 4°.6/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.33	+34 30.0	2.192	2.956	14.2	20.3
11 17	5 58.21	+35 28.3	2.115	2.968	11.5	20.1
11 27	5 49.25	+36 20.0	2.061	2.979	8.4	19.9
12 7	5 38.18	+37 0.1	2.034	2.990	5.6	19.8
12 17	5 26.09	+37 24.5	2.037	3.000	4.7	19.7
12 27	5 14.34	+37 32.3	2.069	3.009	6.6	19.9
1 6	5 4.19	+37 25.5	2.129	3.019	9.5	20.1
1 16	4 56.56	+37 8.6	2.215	3.027	12.3	20.3

365858 2011 UY_{132} 12 14.7 115°.39 2°.9/14.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.55	+16 18.2	2.301	3.078	13.3	21.8
11 17	5 53.64	+15 35.2	2.233	3.100	10.4	21.7
11 27	5 45.71	+14 54.2	2.190	3.121	7.1	21.5
12 7	5 36.43	+14 16.7	2.174	3.142	4.0	21.3
12 17	5 26.66	+13 44.7	2.189	3.162	3.1	21.3
12 27	5 17.35	+13 19.7	2.234	3.182	5.7	21.5
1 6	5 9.35	+13 3.1	2.309	3.200	8.7	21.7
1 16	5 3.25	+12 55.0	2.409	3.218	11.5	22.0

340183 2005 YX_{192} 12 14.7 221°.39 2°.4/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.25	+29 47.7	1.868	2.655	15.5	20.9
11 17	5 56.14	+29 55.1	1.778	2.650	12.3	20.7
11 27	5 48.04	+29 56.2	1.710	2.644	8.5	20.5
12 7	5 37.69	+29 48.3	1.667	2.639	4.4	20.2
12 17	5 26.24	+29 29.5	1.653	2.633	2.5	20.1
12 27	5 15.13	+29 0.9	1.668	2.626	6.0	20.3
1 6	5 5.70	+28 25.8	1.711	2.620	10.2	20.5
1 16	4 58.91	+27 48.7	1.778	2.613	13.9	20.7

191371 2003 RS_9 12 14.7 150°.36 2°.2/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.75	+18 17.2	2.319	3.107	12.9	19.6
11 17	5 50.20	+17 41.8	2.233	3.108	10.1	19.5
11 27	5 43.61	+17 6.8	2.172	3.108	6.8	19.3
12 7	5 35.58	+16 33.6	2.137	3.109	3.6	19.1
12 17	5 26.90	+16 3.7	2.132	3.110	2.5	19.0
12 27	5 18.51	+15 38.8	2.157	3.110	5.3	19.2
1 6	5 11.26	+15 20.4	2.211	3.111	8.6	19.4
1 16	5 5.82	+15 9.2	2.290	3.111	11.6	19.6

13072 1991 RS_8 12 14.7 26°.27 7°.0/15.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.24	+36 38.1	1.302	2.105	20.2	17.2
11 17	5 58.36	+37 31.7	1.236	2.110	16.5	17.0
11 27	5 50.24	+38 13.3	1.189	2.116	12.3	16.7
12 7	5 38.84	+38 34.9	1.164	2.122	8.5	16.5
12 17	5 25.91	+38 30.8	1.164	2.128	7.1	16.5
12 27	5 13.70	+38 1.0	1.188	2.136	9.5	16.6
1 6	5 4.20	+37 11.9	1.236	2.143	13.4	16.9
1 16	4 58.57	+36 12.8	1.306	2.152	17.2	17.2

485363 2011 CV_{107} 12 14.7 193°.39 4°.4/14.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.49	+ 9 4.1	2.560	3.331	12.2	22.0
11 17	5 49.01	+ 8 39.5	2.474	3.331	9.9	21.8
11 27	5 42.74	+ 8 21.6	2.411	3.330	7.3	21.7
12 7	5 35.18	+ 8 12.4	2.375	3.328	5.1	21.5
12 17	5 27.02	+ 8 13.3	2.368	3.327	4.5	21.5
12 27	5 19.05	+ 8 24.7	2.391	3.325	6.2	21.6
1 6	5 12.03	+ 8 46.2	2.442	3.324	8.8	21.7
1 16	5 6.57	+ 9 16.6	2.518	3.322	11.3	21.9

450009 2015 PQ_{307} 12 14.7 104°.24 7°.0/13.9 18

11 7	5 57.88	+ 5 24.5	1.977	2.745	15.4	21.6
11 17	5 52.66	+ 4 24.1	1.915	2.764	12.7	21.5
11 27	5 45.22	+ 3 34.4	1.876	2.782	9.8	21.3
12 7	5 36.26	+ 2 59.3	1.862	2.800	7.6	21.2
12 17	5 26.72	+ 2 41.8	1.876	2.817	7.1	21.2
12 27	5 17.64	+ 2 43.0	1.917	2.834	8.8	21.4
1 6	5 9.94	+ 3 1.9	1.985	2.850	11.3	21.6
1 16	5 4.28	+ 3 35.6	2.077	2.866	13.8	21.8

38586 1999 XW_{70} 12 14.7 305°.97 2°.0/14.3 18

11 7	5 54.81	+19 58.8	2.089	2.884	13.8	18.8
11 17	5 50.59	+19 20.3	1.996	2.875	10.9	18.6
11 27	5 44.07	+18 40.4	1.926	2.866	7.3	18.3
12 7	5 35.85	+18 0.6	1.883	2.857	3.6	18.1
12 17	5 26.83	+17 22.6	1.868	2.848	2.3	18.0
12 27	5 18.05	+16 48.7	1.883	2.839	5.7	18.2
1 6	5 10.53	+16 21.2	1.926	2.831	9.5	18.4
1 16	5 5.02	+16 1.5	1.994	2.823	12.8	18.6

212247 2005 JS_{67} 12 14.7 162°.48 0°.3/14.7 18

11 7	5 58.36	+23 19.2	2.084	2.873	14.1	20.7
11 17	5 53.31	+23 7.5	2.000	2.876	11.0	20.5
11 27	5 45.84	+22 53.8	1.939	2.878	7.3	20.3
12 7	5 36.62	+22 37.8	1.905	2.881	3.3	20.0
12 17	5 26.60	+22 19.5	1.900	2.883	1.0	19.9
12 27	5 16.93	+22 0.1	1.925	2.885	5.2	20.2
1 6	5 8.65	+21 41.7	1.978	2.886	9.1	20.4
1 16	5 2.53	+21 26.1	2.057	2.887	12.4	20.6

190004 2004 KM_{6} 12 14.7 132°.63 1°.2/14.6 18

11 7	6 1.82	+19 51.7	1.937	2.722	15.1	21.7
11 17	5 56.00	+19 48.1	1.863	2.737	11.8	21.6
11 27	5 47.61	+19 45.9	1.813	2.750	7.9	21.3
12 7	5 37.39	+19 44.5	1.789	2.764	3.6	21.1
12 17	5 26.38	+19 43.8	1.794	2.776	1.7	21.0
12 27	5 15.83	+19 44.2	1.830	2.788	5.6	21.3
1 6	5 6.84	+19 46.7	1.894	2.799	9.6	21.6
1 16	5 0.20	+19 52.3	1.983	2.809	13.0	21.8

154144 2002 FA_{5} 12 14.7 114°.85 17°.1/15.5 17

11 7	6 8.51	−13 3.0	1.380	2.088	23.5	20.8
11 17	6 1.54	−15 5.7	1.346	2.117	21.1	20.7
11 27	5 51.35	−16 36.1	1.329	2.144	19.0	20.6
12 7	5 39.00	−17 23.8	1.331	2.170	17.5	20.6
12 17	5 25.95	−17 23.1	1.353	2.194	17.1	20.7
12 27	5 13.82	−16 34.9	1.397	2.217	17.7	20.8
1 6	5 3.97	−15 7.0	1.460	2.238	19.2	20.9
1 16	4 57.19	−13 10.3	1.542	2.258	20.8	21.1

362528 2010 TA_{188} 12 14.7 95°.30 3°.8/14.2 18

11 7	5 55.86	+13 31.7	2.028	2.817	14.4	21.5
11 17	5 51.26	+13 0.1	1.952	2.824	11.4	21.3
11 27	5 44.42	+12 33.3	1.899	2.831	8.1	21.1
12 7	5 35.98	+12 13.4	1.872	2.838	4.9	20.9
12 17	5 26.83	+12 1.8	1.874	2.844	4.0	20.9
12 27	5 18.02	+11 59.9	1.904	2.851	6.5	21.1
1 6	5 10.53	+12 7.5	1.962	2.858	9.8	21.3
1 16	5 5.04	+12 24.2	2.045	2.865	12.9	21.5

254052 2004 GH_{46} 12 14.7 79°.63 2°.5/14.9 18

11 7	5 59.21	+28 48.8	1.939	2.729	15.0	21.0
11 17	5 54.39	+29 20.5	1.859	2.732	11.8	20.7
11 27	5 46.80	+29 48.4	1.801	2.736	8.1	20.5
12 7	5 37.14	+30 9.4	1.769	2.740	4.3	20.3
12 17	5 26.48	+30 20.8	1.765	2.743	2.7	20.2
12 27	5 16.15	+30 22.2	1.790	2.747	5.9	20.4
1 6	5 7.39	+30 15.5	1.843	2.751	9.6	20.7
1 16	5 1.10	+30 3.8	1.921	2.755	13.0	20.9

221614 2006 XQ_{37} 12 14.7 358°.14 1°.6/14.7 18

11 7	5 56.11	+19 4.2	1.191	2.021	20.1	20.2
11 17	5 53.27	+19 12.7	1.120	2.018	15.8	19.9
11 27	5 46.73	+19 26.4	1.068	2.016	10.7	19.6
12 7	5 37.32	+19 44.7	1.038	2.015	5.0	19.3
12 17	5 26.43	+20 6.4	1.032	2.015	2.1	19.1
12 27	5 15.97	+20 30.4	1.052	2.016	7.7	19.5
1 6	5 7.68	+20 56.6	1.095	2.017	13.2	19.8
1 16	5 2.74	+21 25.0	1.159	2.020	17.9	20.1

443089 2013 GD_{128} 12 14.7 337°.86 9°.0/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 53.62	+ 2 51.7	1.414	2.210	19.2	20.6
11 17	5 50.68	+ 2 26.0	1.333	2.197	16.2	20.4
11 27	5 44.71	+ 2 19.2	1.270	2.184	12.8	20.2
12 7	5 36.36	+ 2 36.6	1.229	2.173	9.9	20.0
12 17	5 26.72	+ 3 21.2	1.212	2.163	9.0	19.9
12 27	5 17.26	+ 4 32.6	1.220	2.153	11.0	20.0
1 6	5 9.39	+ 6 5.9	1.252	2.145	14.4	20.2
1 16	5 4.21	+ 7 54.3	1.305	2.138	18.0	20.4

523455 2017 FM_{68} 12 14.7 43°.82 4°.4/14.7 18

11 7	5 55.52	+10 6.1	1.994	2.778	14.8	20.4
11 17	5 51.09	+10 0.8	1.916	2.783	11.8	20.3
11 27	5 44.38	+10 4.7	1.861	2.787	8.5	20.1
12 7	5 36.01	+10 19.2	1.831	2.792	5.5	19.9
12 17	5 26.86	+10 44.7	1.830	2.797	4.5	19.8
12 27	5 17.99	+11 20.8	1.857	2.803	6.8	20.0
1 6	5 10.40	+12 5.8	1.912	2.808	10.0	20.2
1 16	5 4.82	+12 57.5	1.992	2.814	13.1	20.4

192204 2007 JN_{21} 12 14.7 145°.84 0°.5/14.8 17

11 7	5 56.29	+25 7.2	2.437	3.220	12.4	21.4
11 17	5 51.41	+25 5.4	2.352	3.224	9.7	21.2
11 27	5 44.45	+25 1.1	2.290	3.228	6.5	21.0
12 7	5 36.00	+24 53.5	2.256	3.231	2.9	20.8
12 17	5 26.87	+24 42.2	2.252	3.235	0.9	20.7
12 27	5 18.03	+24 28.0	2.278	3.238	4.5	20.9
1 6	5 10.37	+24 12.5	2.333	3.241	7.9	21.2
1 16	5 4.55	+23 57.6	2.415	3.244	10.9	21.4

515658 2014 OH_{131} 12 14.7 168°.55 7°.3/13.6 18

11 7	5 55.95	+ 4 16.1	2.094	2.860	14.8	21.4
11 17	5 51.25	+ 3 15.6	2.017	2.862	12.3	21.2
11 27	5 44.39	+ 2 25.2	1.962	2.864	9.7	21.1
12 7	5 35.99	+ 1 49.2	1.933	2.866	7.7	21.0
12 17	5 26.88	+ 1 30.8	1.931	2.867	7.4	21.0
12 27	5 18.06	+ 1 31.7	1.957	2.868	8.9	21.0
1 6	5 10.44	+ 1 51.0	2.009	2.869	11.4	21.2
1 16	5 4.73	+ 2 26.3	2.084	2.869	13.9	21.4

116286 2003 YB_{53} 12 14.7 347°.61 1°.3/14.6 18

11 7	5 57.09	+20 44.7	1.693	2.498	16.2	19.9
11 17	5 52.91	+20 32.1	1.612	2.496	12.7	19.7
11 27	5 45.90	+20 19.8	1.552	2.495	8.5	19.4
12 7	5 36.78	+20 7.9	1.517	2.493	3.9	19.2
12 17	5 26.64	+19 56.9	1.510	2.492	1.8	19.0
12 27	5 16.85	+19 47.7	1.531	2.492	6.2	19.3
1 6	5 8.68	+19 42.0	1.579	2.491	10.6	19.5
1 16	5 3.02	+19 41.0	1.650	2.491	14.5	19.8

73497 2002 RT_{13} 12 14.7 41°.32 0°.3/14.8 18

11 7	5 55.50	+24 2.4	2.051	2.846	14.1	19.0
11 17	5 51.12	+24 7.5	1.978	2.857	10.9	18.8
11 27	5 44.40	+24 11.2	1.927	2.868	7.3	18.6
12 7	5 36.01	+24 12.4	1.903	2.880	3.2	18.4
12 17	5 26.89	+24 10.5	1.908	2.891	1.0	18.3
12 27	5 18.16	+24 6.1	1.942	2.904	5.0	18.6
1 6	5 10.81	+24 0.4	2.005	2.916	8.8	18.8
1 16	5 5.57	+23 55.2	2.092	2.929	12.0	19.1

399207 2014 GZ_{27} 12 14.7 302°.20 0°.7/14.8 18

11 7	5 58.70	+24 47.4	1.702	2.503	16.3	21.3
11 17	5 54.31	+24 54.8	1.617	2.500	12.8	21.1
11 27	5 46.93	+25 0.2	1.555	2.496	8.6	20.8
12 7	5 37.28	+25 1.9	1.517	2.493	3.9	20.6
12 17	5 26.51	+24 58.7	1.507	2.491	1.3	20.4
12 27	5 16.07	+24 50.8	1.526	2.488	6.0	20.7
1 6	5 7.30	+24 40.4	1.571	2.485	10.6	20.9
1 16	5 1.19	+24 30.3	1.641	2.482	14.5	21.2

192391 1996 TQ_{2} 12 14.7 26°.76 1°.5/14.6 18

11 7	5 54.10	+19 9.9	1.861	2.664	15.0	19.9
11 17	5 50.19	+19 4.2	1.791	2.675	11.7	19.7
11 27	5 43.85	+19 0.6	1.744	2.686	7.8	19.5
12 7	5 35.80	+18 59.3	1.723	2.698	3.7	19.3
12 17	5 27.00	+19 0.4	1.729	2.710	1.9	19.2
12 27	5 18.60	+19 4.4	1.764	2.724	5.6	19.5
1 6	5 11.64	+19 11.6	1.826	2.737	9.5	19.7
1 16	5 6.85	+19 22.7	1.912	2.751	12.8	20.0

39557 Gielgud 12 14.7 105°.05 1°.2/14.8 18

11 7	6 9.05	+25 49.2	1.944	2.715	15.6	21.4
11 17	6 1.46	+26 11.0	1.886	2.751	12.1	21.2
11 27	5 51.13	+26 29.6	1.851	2.785	8.1	21.0
12 7	5 38.94	+26 42.3	1.843	2.817	3.7	20.8
12 17	5 26.10	+26 47.4	1.866	2.848	1.6	20.7
12 27	5 13.99	+26 45.2	1.921	2.879	5.4	21.1
1 6	5 3.76	+26 37.9	2.005	2.907	9.3	21.3
1 16	4 56.17	+26 28.6	2.114	2.935	12.5	21.6

89452 2001 WK_{99} 12 14.7 46°.17 4°.5/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.72	+14 34.4	1.386	2.198	18.7	19.9
11 17	5 53.63	+13 58.0	1.324	2.210	14.8	19.7
11 27	5 46.43	+13 27.8	1.283	2.222	10.3	19.4
12 7	5 37.01	+13 6.5	1.265	2.234	6.0	19.2
12 17	5 26.65	+12 56.2	1.273	2.247	4.7	19.2
12 27	5 16.90	+12 58.2	1.308	2.261	8.1	19.4
1 6	5 9.08	+13 12.2	1.367	2.274	12.3	19.7
1 16	5 4.08	+13 36.8	1.449	2.288	16.2	20.0

66632 1999 RT_{210} 12 14.7 211°.75 6°.0/15.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.03	+40 7.9	2.132	2.886	14.9	18.5
11 17	5 59.13	+40 40.9	2.040	2.880	12.3	18.3
11 27	5 50.10	+41 2.5	1.970	2.875	9.5	18.1
12 7	5 38.69	+41 7.0	1.926	2.868	7.0	17.9
12 17	5 26.12	+40 50.8	1.909	2.862	6.0	17.9
12 27	5 13.94	+40 13.8	1.921	2.855	7.5	17.9
1 6	5 3.56	+39 20.3	1.960	2.847	10.3	18.1
1 16	4 55.97	+38 16.7	2.025	2.839	13.2	18.3

442782 2012 XY_{135} 12 14.7 0°.50 5°.5/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.49	+ 8 27.5	1.389	2.194	19.1	20.5
11 17	5 52.93	+ 8 41.5	1.315	2.192	15.4	20.2
11 27	5 46.20	+ 9 12.1	1.259	2.191	11.2	20.0
12 7	5 37.03	+10 1.1	1.227	2.191	7.2	19.8
12 17	5 26.61	+11 7.6	1.220	2.191	5.6	19.7
12 27	5 16.47	+12 28.5	1.240	2.193	8.5	19.9
1 6	5 8.11	+13 58.7	1.286	2.195	12.8	20.1
1 16	5 2.57	+15 33.1	1.354	2.198	16.8	20.4

265995 2006 DV_{102} 12 14.7 248°.43 0°.6/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.31	+21 29.2	2.483	3.267	12.2	21.8
11 17	5 50.71	+21 24.7	2.384	3.257	9.5	21.6
11 27	5 44.06	+21 20.0	2.309	3.247	6.4	21.4
12 7	5 35.90	+21 14.9	2.261	3.237	2.9	21.1
12 17	5 26.96	+21 9.2	2.243	3.226	1.1	21.0
12 27	5 18.19	+21 3.6	2.256	3.215	4.6	21.2
1 6	5 10.45	+20 59.0	2.298	3.204	8.1	21.4
1 16	5 4.46	+20 56.5	2.366	3.193	11.1	21.6

286511 2002 CT_{25} 12 14.7 142°.84 13°.6/17.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 17.78	+51 1.5	1.278	2.026	23.3	20.3
11 17	6 12.19	+52 13.2	1.212	2.029	20.5	20.1
11 27	6 0.38	+53 0.1	1.162	2.032	17.4	19.9
12 7	5 43.62	+53 7.2	1.131	2.035	14.8	19.7
12 17	5 24.70	+52 23.7	1.121	2.038	13.6	19.7
12 27	5 7.30	+50 50.1	1.135	2.040	14.5	19.7
1 6	4 54.33	+48 39.6	1.170	2.042	16.9	19.9
1 16	4 47.07	+46 10.6	1.227	2.044	19.9	20.1

307322 2002 QN_{125} 12 14.7 114°.73 0°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.48	+23 44.1	2.095	2.879	14.2	22.2
11 17	5 54.87	+23 53.3	2.023	2.895	11.0	22.0
11 27	5 46.84	+24 1.4	1.973	2.911	7.3	21.8
12 7	5 37.10	+24 6.8	1.951	2.927	3.3	21.6
12 17	5 26.64	+24 8.7	1.959	2.942	1.0	21.5
12 27	5 16.61	+24 7.4	1.997	2.957	5.0	21.8
1 6	5 8.04	+24 4.2	2.064	2.971	8.8	22.0
1 16	5 1.68	+24 0.9	2.156	2.985	12.0	22.3

199879 2007 EJ_{213} 12 14.7 109°.01 1°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.15	+26 50.6	1.781	2.570	16.1	20.9
11 17	5 57.41	+27 4.2	1.712	2.587	12.6	20.7
11 27	5 48.75	+27 14.0	1.666	2.603	8.5	20.5
12 7	5 38.00	+27 17.5	1.645	2.619	4.0	20.2
12 17	5 26.38	+27 13.2	1.653	2.635	1.8	20.1
12 27	5 15.34	+27 1.7	1.690	2.650	5.8	20.4
1 6	5 6.12	+26 45.6	1.755	2.664	9.9	20.7
1 16	4 59.59	+26 28.4	1.845	2.679	13.5	20.9

483042 2015 HN_{60} 12 14.7 94°.69 5°.6/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.56	+ 8 1.2	1.935	2.706	15.6	21.3
11 17	5 54.72	+ 7 31.2	1.879	2.734	12.6	21.1
11 27	5 46.60	+ 7 11.2	1.844	2.761	9.3	21.0
12 7	5 36.94	+ 7 3.6	1.836	2.788	6.4	20.8
12 17	5 26.72	+ 7 9.8	1.857	2.814	5.7	20.8
12 27	5 17.06	+ 7 29.8	1.906	2.840	7.6	21.0
1 6	5 8.89	+ 8 1.8	1.983	2.865	10.5	21.2
1 16	5 2.88	+ 8 43.6	2.085	2.889	13.2	21.5

150881 2001 SB_{237} 12 14.7 138°.75 2°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.00	+16 13.2	1.972	2.755	15.0	21.0
11 17	5 55.31	+15 56.9	1.898	2.768	11.8	20.8
11 27	5 47.16	+15 44.0	1.846	2.780	8.0	20.6
12 7	5 37.26	+15 35.6	1.821	2.791	4.3	20.4
12 17	5 26.61	+15 32.1	1.825	2.802	2.9	20.3
12 27	5 16.37	+15 34.2	1.859	2.812	6.1	20.6
1 6	5 7.60	+15 42.3	1.922	2.822	9.8	20.8
1 16	5 1.07	+15 56.4	2.009	2.830	13.0	21.0

446238 2013 GV_{121} 12 14.7 342°.15 3°.4/15.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.79	+32 4.2	1.803	2.595	15.8	20.9
11 17	5 54.40	+32 19.0	1.719	2.592	12.6	20.7
11 27	5 46.99	+32 26.0	1.657	2.589	8.9	20.5
12 7	5 37.32	+32 22.0	1.619	2.587	5.1	20.2
12 17	5 26.57	+32 4.7	1.609	2.585	3.5	20.1
12 27	5 16.21	+31 35.1	1.627	2.583	6.4	20.3
1 6	5 7.60	+30 56.7	1.672	2.582	10.3	20.5
1 16	5 1.68	+30 14.6	1.741	2.580	13.9	20.8

296696 2009 SJ_{265} 12 14.7 52°.88 2°.9/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.25	+30 42.9	2.000	2.787	14.6	20.2
11 17	5 53.50	+31 7.0	1.928	2.799	11.6	20.0
11 27	5 46.11	+31 25.2	1.878	2.811	8.0	19.8
12 7	5 36.84	+31 34.7	1.854	2.823	4.5	19.6
12 17	5 26.73	+31 33.6	1.859	2.835	3.0	19.5
12 27	5 17.07	+31 22.0	1.892	2.848	5.7	19.7
1 6	5 8.98	+31 2.7	1.954	2.861	9.2	20.0
1 16	5 3.27	+30 39.1	2.040	2.874	12.4	20.2

363430 2003 SU_{33} 12 14.7 89°.87 4°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.22	+10 46.7	2.359	3.135	13.0	21.1
11 17	5 50.37	+10 18.9	2.292	3.153	10.4	21.0
11 27	5 43.64	+ 9 57.5	2.248	3.171	7.5	20.8
12 7	5 35.63	+ 9 44.2	2.231	3.189	4.9	20.7
12 17	5 27.10	+ 9 40.2	2.243	3.207	4.3	20.7
12 27	5 18.93	+ 9 46.3	2.285	3.224	6.1	20.8
1 6	5 11.89	+10 1.7	2.355	3.242	8.8	21.0
1 16	5 6.57	+10 25.6	2.450	3.259	11.4	21.2

107792 2001 FN_{53} 12 14.7 212°.19 4°.9/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.96	+37 26.0	2.493	3.244	13.1	21.2
11 17	5 57.90	+38 14.1	2.395	3.236	10.7	21.0
11 27	5 49.13	+38 54.7	2.320	3.228	8.1	20.8
12 7	5 38.27	+39 23.0	2.271	3.218	5.8	20.7
12 17	5 26.29	+39 35.3	2.253	3.208	5.0	20.6
12 27	5 14.45	+39 30.6	2.264	3.198	6.6	20.7
1 6	5 3.98	+39 10.9	2.304	3.186	9.2	20.8
1 16	4 55.83	+38 40.5	2.369	3.174	11.8	21.0

376270 2011 FQ_{41} 12 14.7 165°.52 3°.1/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.45	+12 15.5	2.503	3.279	12.3	20.8
11 17	5 49.87	+12 14.9	2.416	3.280	9.8	20.6
11 27	5 43.41	+12 20.5	2.353	3.281	6.9	20.5
12 7	5 35.59	+12 33.0	2.317	3.282	4.1	20.3
12 17	5 27.11	+12 52.6	2.311	3.282	3.2	20.2
12 27	5 18.82	+13 19.0	2.335	3.283	5.4	20.4
1 6	5 11.51	+13 51.4	2.388	3.283	8.3	20.5
1 16	5 5.84	+14 28.9	2.467	3.284	11.0	20.7

404304 2013 EF_{120} 12 14.7 185°.41 3°.1/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.40	+14 17.2	2.391	3.170	12.8	22.3
11 17	5 51.44	+13 51.9	2.303	3.170	10.1	22.1
11 27	5 44.48	+13 30.2	2.239	3.169	7.1	21.9
12 7	5 36.07	+13 13.5	2.202	3.168	4.2	21.7
12 17	5 26.97	+13 3.0	2.195	3.167	3.3	21.6
12 27	5 18.11	+12 59.6	2.218	3.165	5.7	21.8
1 6	5 10.34	+13 3.8	2.269	3.163	8.8	22.0
1 16	5 4.32	+13 15.3	2.347	3.160	11.7	22.2

150748 2001 QT_{119} 12 14.7 114°.52 4°.5/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.60	+11 52.6	1.763	2.549	16.4	20.7
11 17	5 55.19	+11 30.3	1.696	2.564	13.0	20.6
11 27	5 47.16	+11 15.9	1.650	2.579	9.3	20.4
12 7	5 37.29	+11 11.1	1.630	2.594	5.7	20.2
12 17	5 26.64	+11 16.9	1.638	2.608	4.7	20.2
12 27	5 16.46	+11 33.8	1.675	2.622	7.3	20.3
1 6	5 7.89	+12 0.6	1.739	2.635	10.9	20.6
1 16	5 1.71	+12 35.8	1.827	2.647	14.2	20.8

265429 2004 VG_{42} 12 14.7 37°.02 0°.3/14.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.15	+23 42.1	2.098	2.890	13.9	21.7
11 17	5 51.69	+23 48.5	2.015	2.893	10.8	21.5
11 27	5 44.85	+23 53.8	1.956	2.896	7.2	21.3
12 7	5 36.29	+23 57.0	1.923	2.899	3.2	21.1
12 17	5 26.92	+23 57.3	1.918	2.902	1.0	20.9
12 27	5 17.84	+23 55.0	1.944	2.905	5.0	21.2
1 6	5 10.09	+23 51.4	1.998	2.908	8.8	21.4
1 16	5 4.43	+23 48.2	2.076	2.911	12.1	21.6

431636 2007 YQ_{62} 12 14.7 69°.76 1°.7/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.41	+26 47.7	1.338	2.149	19.3	21.2
11 17	5 57.84	+26 59.8	1.272	2.158	15.2	20.9
11 27	5 49.56	+27 7.8	1.225	2.167	10.3	20.7
12 7	5 38.53	+27 8.4	1.202	2.177	4.9	20.4
12 17	5 26.28	+26 59.8	1.204	2.187	2.1	20.2
12 27	5 14.71	+26 42.8	1.234	2.196	7.1	20.6
1 6	5 5.47	+26 21.1	1.289	2.206	12.1	20.9
1 16	4 59.59	+25 59.4	1.366	2.216	16.4	21.2

73274 2002 JU_{52} 12 14.7 189°.55 2°.6/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.95	+18 4.4	2.160	2.943	13.8	20.8
11 17	5 53.64	+17 20.7	2.071	2.942	10.9	20.6
11 27	5 46.04	+16 36.9	2.006	2.941	7.4	20.4
12 7	5 36.79	+15 54.6	1.968	2.939	4.0	20.2
12 17	5 26.79	+15 15.9	1.960	2.936	2.9	20.1
12 27	5 17.10	+14 43.1	1.982	2.934	5.9	20.3
1 6	5 8.70	+14 18.0	2.033	2.930	9.5	20.5
1 16	5 2.33	+14 1.9	2.109	2.926	12.7	20.7

122125 2000 JO_{17} 12 14.7 153°.60 1°.5/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.78	+25 41.7	1.856	2.643	15.6	19.8
11 17	5 57.24	+26 12.8	1.776	2.649	12.3	19.6
11 27	5 48.77	+26 42.6	1.718	2.655	8.3	19.4
12 7	5 38.12	+27 8.0	1.686	2.660	4.0	19.1
12 17	5 26.39	+27 26.3	1.683	2.665	1.8	19.0
12 27	5 15.01	+27 36.6	1.710	2.669	5.8	19.3
1 6	5 5.29	+27 40.4	1.765	2.673	10.0	19.5
1 16	4 58.18	+27 40.5	1.845	2.676	13.6	19.8

306023 2010 DF_{70} 12 14.7 94°.67 8°.4/13.3 15

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.28	+ 2 57.2	1.953	2.717	15.8	21.5
11 17	5 52.26	+ 1 30.8	1.894	2.734	13.2	21.3
11 27	5 45.02	+ 0 16.1	1.857	2.751	10.6	21.2
12 7	5 36.29	− 0 41.4	1.845	2.767	8.8	21.1
12 17	5 26.96	− 1 17.6	1.860	2.784	8.5	21.2
12 27	5 18.09	− 1 30.5	1.902	2.800	10.0	21.3
1 6	5 10.59	− 1 21.3	1.969	2.815	12.2	21.5
1 16	5 5.13	− 0 53.2	2.058	2.831	14.5	21.6

395857 2013 AA_{3} 12 14.7 308°.04 1°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.46	+17 58.2	1.689	2.489	16.4	21.1
11 17	5 54.14	+18 22.2	1.602	2.484	12.9	20.9
11 27	5 46.88	+18 52.1	1.538	2.478	8.7	20.6
12 7	5 37.35	+19 26.9	1.498	2.473	4.1	20.3
12 17	5 26.60	+20 4.6	1.486	2.468	1.7	20.1
12 27	5 16.05	+20 43.6	1.503	2.464	6.3	20.4
1 6	5 7.04	+21 22.9	1.547	2.459	10.8	20.7
1 16	5 0.59	+22 2.0	1.615	2.455	14.8	20.9

131336 2001 HP_{35} 12 14.7 181°.40 1°.7/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.78	+18 36.4	2.890	3.666	10.9	20.4
11 17	5 49.86	+18 8.3	2.799	3.667	8.5	20.2
11 27	5 43.26	+17 40.4	2.733	3.667	5.7	20.1
12 7	5 35.49	+17 13.6	2.695	3.667	2.9	19.9
12 17	5 27.19	+16 48.8	2.688	3.667	1.9	19.8
12 27	5 19.11	+16 27.4	2.713	3.666	4.4	20.0
1 6	5 11.95	+16 10.3	2.767	3.665	7.2	20.2
1 16	5 6.25	+15 58.5	2.848	3.663	9.8	20.3

216113 2006 RB_{91} 12 14.7 338°.99 0°.8/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.68	+21 41.9	1.786	2.587	15.6	21.0
11 17	5 52.51	+21 32.3	1.702	2.585	12.2	20.7
11 27	5 45.62	+21 22.4	1.640	2.582	8.2	20.5
12 7	5 36.71	+21 11.8	1.603	2.580	3.7	20.2
12 17	5 26.82	+21 0.9	1.595	2.578	1.4	20.1
12 27	5 17.24	+20 50.4	1.615	2.576	5.9	20.4
1 6	5 9.19	+20 42.2	1.662	2.574	10.2	20.6
1 16	5 3.54	+20 37.7	1.733	2.573	13.9	20.8

370352 2002 RH_{275} 12 14.7 182°.61 4°.1/15.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.52	+37 27.0	2.813	3.565	11.7	22.0
11 17	5 53.96	+37 51.7	2.723	3.566	9.5	21.9
11 27	5 46.20	+38 8.3	2.655	3.566	7.1	21.7
12 7	5 36.87	+38 13.6	2.615	3.565	4.9	21.6
12 17	5 26.79	+38 5.8	2.605	3.565	4.1	21.5
12 27	5 16.98	+37 44.9	2.625	3.564	5.5	21.6
1 6	5 8.38	+37 13.3	2.674	3.562	7.8	21.7
1 16	5 1.72	+36 34.6	2.749	3.560	10.2	21.9

228146 2009 RX_{55} 12 14.7 46°.33 2°.1/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.39	+18 58.2	1.172	1.996	20.7	20.2
11 17	5 56.13	+18 49.5	1.124	2.018	16.1	20.0
11 27	5 48.26	+18 44.6	1.095	2.041	10.8	19.7
12 7	5 37.86	+18 43.6	1.088	2.064	5.1	19.5
12 17	5 26.54	+18 46.3	1.106	2.088	2.6	19.4
12 27	5 16.12	+18 53.2	1.150	2.112	7.5	19.8
1 6	5 8.10	+19 4.8	1.218	2.137	12.5	20.1
1 16	5 3.38	+19 21.4	1.308	2.162	16.7	20.5

209165 2003 UC_{86} 12 14.7 30°.65 6°.2/15.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.72	+35 45.2	1.189	2.003	21.1	19.8
11 17	5 57.03	+36 23.9	1.143	2.024	17.0	19.6
11 27	5 49.15	+36 48.5	1.114	2.046	12.3	19.4
12 7	5 38.32	+36 52.7	1.108	2.070	8.0	19.3
12 17	5 26.41	+36 33.1	1.125	2.094	6.3	19.2
12 27	5 15.61	+35 52.2	1.167	2.120	8.8	19.5
1 6	5 7.62	+34 57.5	1.233	2.147	12.8	19.8
1 16	5 3.38	+33 57.5	1.320	2.174	16.6	20.1

158650 2003 DF_{10} 12 14.7 266°.29 0°.1/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.82	+22 29.4	1.733	2.531	16.1	21.0
11 17	5 55.34	+22 37.9	1.634	2.515	12.7	20.7
11 27	5 47.80	+22 46.9	1.557	2.498	8.6	20.4
12 7	5 37.82	+22 55.0	1.505	2.481	3.9	20.1
12 17	5 26.47	+23 0.7	1.481	2.464	1.2	19.9
12 27	5 15.21	+23 4.0	1.485	2.446	6.2	20.2
1 6	5 5.49	+23 5.9	1.517	2.429	11.0	20.4
1 16	4 58.40	+23 8.5	1.572	2.411	15.2	20.6

261646 2005 YJ_{83} 12 14.7 97°.04 1°.4/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.90	+19 20.9	2.204	2.994	13.4	20.9
11 17	5 51.26	+19 12.4	2.124	3.000	10.4	20.7
11 27	5 44.45	+19 5.2	2.067	3.006	7.0	20.5
12 7	5 36.10	+18 59.5	2.037	3.011	3.3	20.3
12 17	5 27.04	+18 55.5	2.036	3.017	1.7	20.2
12 27	5 18.28	+18 53.8	2.065	3.023	5.1	20.4
1 6	5 10.76	+18 55.1	2.123	3.029	8.6	20.6
1 16	5 5.15	+19 0.1	2.206	3.035	11.7	20.8

289776 2005 JK_{96} 12 14.7 233°.96 2°.1/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.68	+18 8.5	2.215	2.999	13.5	21.7
11 17	5 52.78	+17 48.7	2.116	2.988	10.6	21.5
11 27	5 45.58	+17 30.2	2.040	2.976	7.3	21.2
12 7	5 36.66	+17 13.6	1.991	2.964	3.7	21.0
12 17	5 26.86	+16 59.7	1.972	2.951	2.3	20.9
12 27	5 17.22	+16 49.7	1.983	2.938	5.6	21.1
1 6	5 8.75	+16 44.7	2.023	2.925	9.2	21.3
1 16	5 2.24	+16 45.5	2.088	2.911	12.6	21.5

334080 2001 QW_{53} 12 14.7 62°.41 1°.8/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.13	+19 16.3	1.366	2.175	19.1	20.7
11 17	5 57.01	+19 11.2	1.314	2.200	14.8	20.5
11 27	5 48.62	+19 9.0	1.283	2.226	9.9	20.3
12 7	5 37.99	+19 9.4	1.276	2.251	4.6	20.1
12 17	5 26.53	+19 12.2	1.295	2.277	2.2	20.0
12 27	5 15.90	+19 17.6	1.342	2.303	6.9	20.4
1 6	5 7.45	+19 26.5	1.415	2.328	11.5	20.7
1 16	5 2.02	+19 39.6	1.510	2.354	15.4	21.0

114389 2002 YN_{1} 12 14.7 287°.65 0°.1/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.36	+24 50.6	1.936	2.731	14.8	19.8
11 17	5 52.93	+24 27.5	1.842	2.721	11.6	19.6
11 27	5 45.86	+24 0.2	1.770	2.711	7.8	19.4
12 7	5 36.83	+23 28.2	1.725	2.701	3.5	19.1
12 17	5 26.83	+22 52.4	1.708	2.692	1.0	18.9
12 27	5 17.11	+22 14.7	1.721	2.682	5.6	19.2
1 6	5 8.84	+21 38.2	1.761	2.672	9.8	19.4
1 16	5 2.87	+21 5.9	1.826	2.663	13.5	19.6

184345 2005 HO_{4} 12 14.7 130°.87 0°.2/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.34	+23 10.4	1.854	2.638	15.7	21.5
11 17	5 58.20	+23 21.6	1.782	2.654	12.3	21.3
11 27	5 49.25	+23 32.0	1.732	2.670	8.2	21.1
12 7	5 38.29	+23 40.0	1.709	2.685	3.6	20.9
12 17	5 26.46	+23 44.2	1.716	2.699	1.1	20.7
12 27	5 15.13	+23 44.7	1.752	2.712	5.6	21.0
1 6	5 5.53	+23 43.1	1.817	2.725	9.8	21.3
1 16	4 58.48	+23 41.7	1.908	2.736	13.3	21.6

149344 2002 VT_{108} 12 14.7 40°.69 2°.0/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.83	+26 55.3	1.151	1.976	21.0	19.6
11 17	5 56.90	+27 11.0	1.100	1.994	16.4	19.4
11 27	5 49.01	+27 22.0	1.067	2.013	11.0	19.1
12 7	5 38.29	+27 25.0	1.057	2.033	5.3	18.9
12 17	5 26.48	+27 17.8	1.071	2.053	2.3	18.8
12 27	5 15.60	+27 2.0	1.111	2.074	7.4	19.1
1 6	5 7.35	+26 41.5	1.175	2.096	12.6	19.5
1 16	5 2.66	+26 21.1	1.260	2.118	16.9	19.8

211945 2004 XT_{82} 12 14.7 69°.93 0°.4/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.36	+24 17.4	1.244	2.060	20.3	20.8
11 17	5 58.57	+24 17.0	1.186	2.076	15.8	20.5
11 27	5 50.00	+24 14.2	1.147	2.092	10.5	20.3
12 7	5 38.72	+24 7.2	1.132	2.109	4.7	20.0
12 17	5 26.34	+23 55.1	1.142	2.125	1.4	19.8
12 27	5 14.81	+23 39.3	1.179	2.142	7.2	20.2
1 6	5 5.75	+23 23.2	1.240	2.158	12.4	20.6
1 16	5 0.14	+23 10.1	1.324	2.175	16.7	20.9

150153 1997 AB 12 14.7 6°.04 1°.5/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.98	+17 51.8	1.548	2.360	17.1	19.8
11 17	5 51.56	+18 11.0	1.473	2.361	13.4	19.6
11 27	5 45.20	+18 36.0	1.418	2.362	9.0	19.3
12 7	5 36.61	+19 6.2	1.389	2.364	4.3	19.1
12 17	5 26.92	+19 39.9	1.385	2.368	1.9	18.9
12 27	5 17.56	+20 15.8	1.410	2.372	6.4	19.2
1 6	5 9.85	+20 52.7	1.460	2.377	11.0	19.5
1 16	5 4.76	+21 30.3	1.533	2.382	14.9	19.7

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
335342 2005 SB_{23}			12 14.7	102°.33	0°.9/14.8	18
	h m	° ′			°	m
11 7	6 4.47	+24 55.2	1.714	2.503	16.6	21.9
11 17	5 58.46	+25 10.0	1.650	2.525	12.9	21.7
11 27	5 49.47	+25 22.6	1.608	2.547	8.6	21.5
12 7	5 38.38	+25 30.7	1.592	2.568	3.9	21.2
12 17	5 26.46	+25 32.7	1.605	2.588	1.4	21.1
12 27	5 15.17	+25 29.1	1.648	2.608	5.9	21.4
1 6	5 5.80	+25 21.9	1.718	2.627	10.1	21.7
1 16	4 59.17	+25 14.0	1.812	2.646	13.7	22.0
434556 2005 TV_{120}			12 14.7	161°.74	0°.7/14.8	18
11 7	6 2.69	+24 55.4	1.935	2.720	15.2	22.1
11 17	5 56.98	+25 4.3	1.853	2.726	11.9	21.9
11 27	5 48.51	+25 11.1	1.794	2.731	8.0	21.7
12 7	5 38.01	+25 13.9	1.761	2.736	3.6	21.5
12 17	5 26.56	+25 11.4	1.757	2.740	1.2	21.3
12 27	5 15.48	+25 4.0	1.784	2.744	5.5	21.6
1 6	5 6.00	+24 53.7	1.838	2.746	9.6	21.8
1 16	4 58.99	+24 43.0	1.918	2.748	13.2	22.1
476552 2008 JQ_{16}			12 14.7	152°.80	1°.9/14.6	18
11 7	6 1.78	+18 23.3	2.004	2.786	14.8	22.8
11 17	5 55.99	+18 12.4	1.924	2.795	11.6	22.6
11 27	5 47.69	+18 3.5	1.868	2.804	7.8	22.4
12 7	5 37.59	+17 56.8	1.839	2.813	3.8	22.1
12 17	5 26.69	+17 52.4	1.840	2.820	2.2	22.0
12 27	5 16.16	+17 51.1	1.870	2.827	5.7	22.3
1 6	5 7.10	+17 53.7	1.930	2.832	9.6	22.5
1 16	5 0.30	+18 0.9	2.015	2.837	12.9	22.7
229215 2004 VN_{69}			12 14.7	322°.61	1°.2/14.8	17
11 7	5 57.31	+24 46.6	2.182	2.970	13.6	20.4
11 17	5 52.67	+25 21.5	2.093	2.968	10.6	20.2
11 27	5 45.61	+25 56.4	2.028	2.966	7.2	20.0
12 7	5 36.73	+26 28.9	1.990	2.964	3.4	19.8
12 17	5 26.92	+26 56.8	1.981	2.963	1.5	19.6
12 27	5 17.27	+27 18.8	2.002	2.961	5.1	19.9
1 6	5 8.89	+27 35.5	2.051	2.960	8.8	20.1
1 16	5 2.58	+27 48.1	2.126	2.958	12.0	20.3
491683 2012 UY_{40}			12 14.7	116°.23	1°.9/14.9	16
11 7	6 5.02	+27 29.9	1.986	2.764	15.1	22.4
11 17	5 58.59	+27 55.3	1.919	2.786	11.8	22.3
11 27	5 49.44	+28 17.1	1.874	2.807	8.0	22.1
12 7	5 38.36	+28 32.1	1.856	2.828	4.0	21.9
12 17	5 26.49	+28 38.4	1.867	2.848	2.1	21.8
12 27	5 15.15	+28 36.1	1.910	2.867	5.5	22.0
1 6	5 5.53	+28 27.3	1.981	2.885	9.2	22.3
1 16	4 58.43	+28 15.2	2.077	2.903	12.5	22.5
454750 2014 UP_{216}			12 14.7	39°.34	2°.8/14.7	17
11 7	5 55.03	+14 2.9	2.127	2.915	13.9	20.1
11 17	5 50.66	+14 6.0	2.048	2.920	10.9	19.9
11 27	5 44.12	+14 15.2	1.992	2.926	7.6	19.7
12 7	5 36.01	+14 31.1	1.962	2.932	4.2	19.5
12 17	5 27.15	+14 53.3	1.962	2.938	3.0	19.4
12 27	5 18.56	+15 21.5	1.991	2.944	5.7	19.6
1 6	5 11.18	+15 54.8	2.048	2.951	9.1	19.8
1 16	5 5.70	+16 32.2	2.130	2.957	12.2	20.0
69342 1993 TT_{19}			12 14.7	312°.75	0°.7/14.8	17 R
11 7	5 56.27	+24 54.3	2.180	2.970	13.5	19.5
11 17	5 51.80	+25 4.2	2.091	2.967	10.6	19.3
11 27	5 44.98	+25 12.4	2.026	2.965	7.1	19.1
12 7	5 36.43	+25 17.5	1.987	2.963	3.3	18.9
12 17	5 27.02	+25 18.6	1.978	2.961	1.1	18.7
12 27	5 17.86	+25 15.8	1.998	2.958	5.0	19.0
1 6	5 9.96	+25 10.5	2.046	2.956	8.7	19.2
1 16	5 4.12	+25 4.4	2.120	2.955	12.0	19.4
110750 2001 UK_{9}			12 14.7	175°.46	3°.9/14.9	18
11 7	6 1.78	+32 49.4	2.293	3.062	13.5	20.1
11 17	5 56.24	+33 42.2	2.206	3.064	10.9	19.9
11 27	5 48.05	+34 30.2	2.143	3.065	7.8	19.7
12 7	5 37.85	+35 8.9	2.106	3.066	5.0	19.6
12 17	5 26.60	+35 34.8	2.099	3.067	4.0	19.5
12 27	5 15.56	+35 46.6	2.121	3.067	6.1	19.6
1 6	5 5.90	+35 45.8	2.173	3.067	9.1	19.8
1 16	4 58.53	+35 35.8	2.249	3.066	12.0	20.0
2950 Rousseau			12 14.7	18°.65	4°.1/15.0	18
11 7	5 54.44	+12 31.1	1.247	2.070	19.8	14.9
11 17	5 51.49	+12 44.7	1.190	2.081	15.6	14.6
11 27	5 45.27	+13 10.9	1.152	2.094	10.9	14.4
12 7	5 36.66	+13 50.3	1.137	2.108	6.1	14.2
12 17	5 26.98	+14 41.3	1.146	2.123	4.2	14.1
12 27	5 17.88	+15 41.1	1.181	2.140	7.8	14.4
1 6	5 10.76	+16 46.2	1.241	2.159	12.4	14.7
1 16	5 6.59	+17 53.4	1.322	2.178	16.4	15.0

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
112595 2002 PR_{58}			12 14.7	60°.34	3°.8/14.4	18
	h m	° ′			°	m
11 7	5 54.31	+12 7.3	2.212	2.996	13.5	19.5
11 17	5 49.93	+11 48.4	2.139	3.007	10.7	19.3
11 27	5 43.53	+11 35.6	2.089	3.017	7.6	19.1
12 7	5 35.71	+11 30.6	2.065	3.028	4.7	19.0
12 17	5 27.27	+11 34.1	2.070	3.039	3.9	19.0
12 27	5 19.14	+11 46.5	2.104	3.050	6.1	19.1
1 6	5 12.17	+12 7.4	2.166	3.061	9.1	19.3
1 16	5 7.00	+12 35.6	2.253	3.072	11.9	19.5
104345 2000 FD_{16}			12 14.8	234°.29	5°.6/13.9	18
11 7	5 53.25	+ 3 23.9	2.936	3.683	11.3	20.4
11 17	5 48.72	+ 2 50.8	2.838	3.671	9.5	20.2
11 27	5 42.58	+ 2 26.1	2.763	3.658	7.5	20.1
12 7	5 35.28	+ 2 12.3	2.716	3.645	6.0	19.9
12 17	5 27.38	+ 2 11.2	2.697	3.631	5.7	19.9
12 27	5 19.58	+ 2 23.8	2.707	3.617	6.9	20.0
1 6	5 12.56	+ 2 49.3	2.746	3.602	8.8	20.1
1 16	5 6.86	+ 3 26.4	2.810	3.587	10.9	20.2
435685 2008 TV_{78}			12 14.8	101°.19	0°.9/14.7	16
11 7	6 1.87	+21 13.8	1.766	2.558	16.1	22.2
11 17	5 56.30	+21 9.5	1.700	2.577	12.5	22.1
11 27	5 47.98	+21 5.5	1.656	2.595	8.3	21.8
12 7	5 37.73	+21 1.3	1.638	2.614	3.8	21.6
12 17	5 26.70	+20 56.4	1.648	2.631	1.4	21.5
12 27	5 16.23	+20 51.8	1.689	2.648	5.8	21.8
1 6	5 7.49	+20 48.7	1.756	2.665	9.9	22.1
1 16	5 1.28	+20 48.7	1.849	2.682	13.5	22.4
179717 2002 RB_{66}			12 14.8	79°.19	1°.6/14.9	18
11 7	6 5.77	+26 46.1	1.456	2.255	18.6	20.4
11 17	5 59.88	+27 0.7	1.402	2.281	14.5	20.2
11 27	5 50.57	+27 11.0	1.368	2.307	9.7	20.0
12 7	5 38.91	+27 14.0	1.359	2.333	4.6	19.8
12 17	5 26.38	+27 7.9	1.377	2.359	2.0	19.7
12 27	5 14.73	+26 53.8	1.424	2.384	6.5	20.0
1 6	5 5.39	+26 35.2	1.497	2.409	11.1	20.4
1 16	4 59.22	+26 16.2	1.593	2.434	14.9	20.7
60536 2000 EE_{58}			12 14.8	283°.47	0°.3/14.7	18
11 7	5 59.18	+23 11.8	1.546	2.353	17.3	20.0
11 17	5 55.14	+23 4.1	1.454	2.340	13.7	19.7
11 27	5 47.82	+22 54.7	1.383	2.326	9.3	19.5
12 7	5 37.92	+22 42.6	1.336	2.313	4.2	19.1
12 17	5 26.62	+22 27.5	1.317	2.300	1.3	18.9
12 27	5 15.54	+22 10.5	1.324	2.287	6.7	19.2
1 6	5 6.22	+21 54.3	1.358	2.274	11.7	19.5
1 16	4 59.79	+21 41.6	1.415	2.260	16.2	19.7
116162 2003 WL_{181}			12 14.8	50°.74	1°.3/14.9	18
11 7	5 59.22	+25 59.7	1.654	2.455	16.6	19.3
11 17	5 54.74	+26 15.2	1.582	2.464	13.0	19.1
11 27	5 47.23	+26 28.1	1.531	2.472	8.8	18.9
12 7	5 37.51	+26 35.8	1.505	2.481	4.1	18.6
12 17	5 26.78	+26 36.8	1.507	2.490	1.7	18.5
12 27	5 16.53	+26 31.4	1.538	2.499	6.0	18.8
1 6	5 8.09	+26 21.6	1.594	2.508	10.4	19.1
1 16	5 2.35	+26 10.7	1.675	2.518	14.2	19.3
302679 2002 TN_{9}			12 14.8	85°.72	3°.1/15.1	18
11 7	6 3.48	+30 36.8	1.920	2.700	15.4	20.3
11 17	5 57.58	+31 12.5	1.858	2.725	12.1	20.2
11 27	5 48.85	+31 42.3	1.818	2.749	8.4	20.0
12 7	5 38.14	+32 2.4	1.805	2.772	4.7	19.8
12 17	5 26.62	+32 10.4	1.820	2.796	3.2	19.8
12 27	5 15.69	+32 6.2	1.865	2.819	6.0	20.0
1 6	5 6.55	+31 52.6	1.937	2.841	9.5	20.2
1 16	5 0.01	+31 33.6	2.035	2.863	12.6	20.5
248913 2006 VQ_{80}			12 14.8	93°.73	0°.3/14.7	18
11 7	6 0.90	+21 11.8	2.145	2.927	14.0	21.3
11 17	5 55.06	+21 27.7	2.081	2.952	10.8	21.1
11 27	5 46.93	+21 44.5	2.040	2.978	7.2	20.9
12 7	5 37.23	+22 0.8	2.027	3.003	3.2	20.7
12 17	5 26.89	+22 15.5	2.044	3.027	1.0	20.6
12 27	5 17.02	+22 28.5	2.092	3.051	4.9	20.9
1 6	5 8.57	+22 40.2	2.169	3.075	8.5	21.2
1 16	5 2.25	+22 51.7	2.271	3.098	11.5	21.4
263935 2009 HG_{53}			12 14.8	167°.69	2°.9/14.4	17
11 7	6 2.50	+17 10.9	1.715	2.505	16.6	21.8
11 17	5 57.00	+16 43.7	1.636	2.510	13.1	21.5
11 27	5 48.62	+16 19.0	1.578	2.514	9.0	21.3
12 7	5 38.12	+15 58.0	1.546	2.517	4.7	21.1
12 17	5 26.63	+15 41.9	1.542	2.520	3.2	21.0
12 27	5 15.55	+15 32.4	1.567	2.522	6.8	21.2
1 6	5 6.15	+15 30.5	1.620	2.523	11.1	21.4
1 16	4 59.33	+15 36.7	1.697	2.523	14.8	21.7

266521 2008 ER_{165} 12 14.8 145°.75 1°.0/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.66	+24 49.4	2.613	3.385	12.0	21.2
11 17	5 53.98	+25 22.0	2.530	3.395	9.3	21.0
11 27	5 46.22	+25 53.9	2.471	3.405	6.3	20.8
12 7	5 36.96	+26 23.0	2.440	3.414	2.9	20.6
12 17	5 26.97	+26 47.5	2.441	3.423	1.3	20.5
12 27	5 17.21	+27 6.7	2.473	3.431	4.4	20.7
1 6	5 8.57	+27 21.0	2.535	3.438	7.6	20.9
1 16	5 1.73	+27 31.9	2.624	3.445	10.3	21.1

108415 2001 KD_{34} 12 14.8 315°.40 0°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.80	+20 42.7	2.098	2.889	13.9	19.1
11 17	5 52.41	+21 20.3	2.004	2.881	10.9	18.9
11 27	5 45.55	+22 1.6	1.932	2.872	7.3	18.7
12 7	5 36.79	+22 44.7	1.887	2.863	3.3	18.4
12 17	5 26.99	+23 27.3	1.872	2.855	1.0	18.2
12 27	5 17.28	+24 7.6	1.886	2.847	5.2	18.5
1 6	5 8.77	+24 44.8	1.929	2.839	9.1	18.7
1 16	5 2.34	+25 19.1	1.997	2.831	12.6	18.9

229753 2007 KA_{4} 12 14.8 54°.43 1°.7/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.95	+17 6.8	2.148	2.937	13.7	20.3
11 17	5 51.43	+17 18.4	2.068	2.942	10.7	20.1
11 27	5 44.67	+17 34.1	2.011	2.948	7.3	19.9
12 7	5 36.30	+17 53.6	1.981	2.954	3.6	19.7
12 17	5 27.16	+18 16.4	1.979	2.960	1.9	19.6
12 27	5 18.29	+18 41.8	2.008	2.966	5.2	19.8
1 6	5 10.63	+19 9.4	2.065	2.973	8.8	20.0
1 16	5 4.93	+19 38.8	2.148	2.979	12.0	20.3

137477 1999 UG_{20} 12 14.8 266°.67 0°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.62	+23 28.0	1.486	2.293	17.9	20.1
11 17	5 56.32	+23 36.2	1.403	2.288	14.1	19.8
11 27	5 48.62	+23 43.9	1.340	2.283	9.5	19.6
12 7	5 38.28	+23 49.2	1.302	2.279	4.3	19.2
12 17	5 26.57	+23 50.6	1.290	2.274	1.3	19.0
12 27	5 15.18	+23 48.2	1.307	2.269	6.7	19.4
1 6	5 5.71	+23 43.9	1.348	2.264	11.8	19.6
1 16	4 59.26	+23 40.4	1.413	2.259	16.1	19.9

511683 2015 BV_{490} 12 14.8 35°.92 2°.8/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.77	+17 58.6	1.216	2.037	20.3	21.3
11 17	5 55.97	+17 43.8	1.149	2.041	16.0	21.0
11 27	5 48.48	+17 33.2	1.100	2.045	10.9	20.7
12 7	5 38.21	+17 27.9	1.074	2.050	5.4	20.5
12 17	5 26.62	+17 28.2	1.074	2.054	3.1	20.3
12 27	5 15.59	+17 35.0	1.099	2.060	8.0	20.6
1 6	5 6.79	+17 48.6	1.148	2.065	13.2	20.9
1 16	5 1.31	+18 9.2	1.218	2.071	17.8	21.2

23176 Missacarvell 12 14.8 357°.76 0°.2/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.26	+23 11.4	1.746	2.548	15.9	18.5
11 17	5 53.13	+23 19.5	1.665	2.547	12.4	18.3
11 27	5 46.16	+23 27.2	1.605	2.547	8.3	18.0
12 7	5 37.08	+23 33.2	1.570	2.546	3.7	17.8
12 17	5 26.95	+23 36.4	1.563	2.546	1.1	17.6
12 27	5 17.15	+23 37.0	1.584	2.546	5.8	17.9
1 6	5 8.92	+23 36.3	1.633	2.547	10.2	18.1
1 16	5 3.20	+23 36.1	1.705	2.547	14.0	18.4

480957 2003 TY_{44} 12 14.8 352°.04 2°.3/15.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.90	+29 33.0	1.284	2.109	19.2	20.8
11 17	5 52.42	+29 25.9	1.207	2.101	15.3	20.6
11 27	5 46.25	+29 9.6	1.150	2.095	10.5	20.3
12 7	5 37.27	+28 41.8	1.115	2.090	5.3	20.0
12 17	5 26.90	+28 1.8	1.104	2.086	2.6	19.8
12 27	5 17.04	+27 12.4	1.119	2.083	7.3	20.1
1 6	5 9.37	+26 19.3	1.158	2.082	12.4	20.4
1 16	5 5.01	+25 28.6	1.219	2.082	17.0	20.6

116184 2003 XH_{6} 12 14.8 346°.21 4°.7/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.28	+32 13.4	1.710	2.512	16.2	18.7
11 17	5 52.15	+33 9.5	1.624	2.500	13.0	18.5
11 27	5 45.86	+34 1.0	1.558	2.490	9.4	18.3
12 7	5 37.08	+34 42.8	1.517	2.481	6.0	18.0
12 17	5 26.94	+35 10.3	1.502	2.473	4.8	18.0
12 27	5 16.96	+35 21.4	1.514	2.466	7.4	18.1
1 6	5 8.66	+35 17.8	1.552	2.459	11.1	18.3
1 16	5 3.15	+35 3.8	1.613	2.454	14.7	18.5

335408 2005 TM_{108} 12 14.8 146°.67 3°.2/14.3 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.19	+16 33.5	1.885	2.670	15.5	22.2
11 17	5 55.63	+15 53.4	1.808	2.680	12.2	22.0
11 27	5 47.51	+15 15.4	1.755	2.689	8.4	21.7
12 7	5 37.57	+14 41.2	1.728	2.697	4.6	21.5
12 17	5 26.86	+14 13.0	1.730	2.705	3.5	21.5
12 27	5 16.58	+13 52.6	1.761	2.712	6.6	21.7
1 6	5 7.84	+13 41.4	1.820	2.718	10.3	21.9
1 16	5 1.41	+13 39.8	1.904	2.724	13.7	22.2

430889 2005 QH_{180} 12 14.8 60°.68 3°.6/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.80	+28 56.4	1.369	2.174	19.3	20.5
11 17	5 58.96	+29 47.6	1.310	2.192	15.2	20.3
11 27	5 50.37	+30 34.6	1.271	2.209	10.5	20.1
12 7	5 39.01	+31 11.5	1.256	2.227	5.7	19.9
12 17	5 26.44	+31 33.7	1.268	2.245	3.8	19.8
12 27	5 14.59	+31 40.4	1.306	2.263	7.5	20.1
1 6	5 5.13	+31 34.7	1.369	2.282	11.9	20.4
1 16	4 59.09	+31 21.9	1.456	2.300	15.8	20.7

11535 1992 EQ_{27} 12 14.8 140°.57 0°.9/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.66	+20 54.5	2.296	3.081	13.0	18.9
11 17	5 51.85	+20 47.9	2.212	3.086	10.2	18.7
11 27	5 44.89	+20 41.5	2.152	3.091	6.8	18.5
12 7	5 36.40	+20 35.1	2.120	3.095	3.1	18.3
12 17	5 27.20	+20 28.9	2.116	3.099	1.3	18.2
12 27	5 18.28	+20 23.3	2.144	3.103	4.8	18.4
1 6	5 10.57	+20 19.5	2.200	3.107	8.3	18.7
1 16	5 4.74	+20 18.5	2.282	3.110	11.4	18.9

357245 2002 PX_{17} 12 14.8 34°.94 4°.8/15.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.52	+35 32.9	1.353	2.156	19.6	20.4
11 17	5 57.16	+35 35.2	1.298	2.174	15.7	20.2
11 27	5 49.04	+35 23.2	1.261	2.193	11.2	20.0
12 7	5 38.32	+34 52.8	1.248	2.213	6.8	19.8
12 17	5 26.69	+34 3.2	1.260	2.234	4.8	19.8
12 27	5 16.07	+32 58.1	1.299	2.256	7.6	20.0
1 6	5 7.98	+31 45.1	1.363	2.278	11.7	20.3
1 16	5 3.28	+30 32.2	1.450	2.301	15.5	20.6

472061 2013 YB_{69} 12 14.8 19°.64 5°.0/15.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.57	+34 42.5	0.998	1.832	22.8	19.9
11 17	5 55.26	+34 41.6	0.947	1.842	18.3	19.7
11 27	5 48.37	+34 23.7	0.912	1.853	13.0	19.4
12 7	5 38.18	+33 44.5	0.897	1.866	7.7	19.2
12 17	5 26.73	+32 43.1	0.904	1.881	5.1	19.1
12 27	5 16.42	+31 25.2	0.935	1.898	8.7	19.3
1 6	5 9.14	+30 0.9	0.989	1.916	13.7	19.7
1 16	5 5.85	+28 39.9	1.063	1.935	18.3	20.0

151361 2002 CB_{312} 12 14.8 135°.13 1°.9/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.64	+17 4.5	2.337	3.119	12.9	20.7
11 17	5 51.74	+17 1.0	2.255	3.126	10.1	20.5
11 27	5 44.77	+17 0.6	2.198	3.133	6.9	20.3
12 7	5 36.34	+17 3.4	2.167	3.140	3.5	20.1
12 17	5 27.23	+17 9.5	2.167	3.146	2.1	20.0
12 27	5 18.39	+17 19.1	2.196	3.152	5.1	20.2
1 6	5 10.69	+17 32.2	2.255	3.158	8.4	20.4
1 16	5 4.81	+17 49.1	2.340	3.163	11.3	20.6

484097 2006 RL_{54} 12 14.8 146°.37 4°.9/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.77	+36 34.5	2.313	3.071	13.8	21.9
11 17	5 57.80	+37 24.1	2.233	3.080	11.2	21.8
11 27	5 49.09	+38 5.8	2.176	3.088	8.3	21.6
12 7	5 38.36	+38 34.8	2.146	3.096	5.8	21.5
12 17	5 26.64	+38 47.7	2.144	3.103	4.9	21.4
12 27	5 15.25	+38 43.7	2.172	3.110	6.6	21.5
1 6	5 5.41	+38 25.4	2.229	3.116	9.2	21.7
1 16	4 57.98	+37 57.4	2.311	3.122	11.9	21.9

9933 Alekseev 12 14.8 36°.98 2°.8/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.43	+29 21.6	1.066	1.895	22.0	16.8
11 17	5 57.91	+29 27.3	1.010	1.905	17.4	16.5
11 27	5 50.02	+29 24.3	0.971	1.916	11.9	16.3
12 7	5 38.93	+29 8.8	0.954	1.928	6.0	16.0
12 17	5 26.51	+28 39.2	0.960	1.941	3.0	15.9
12 27	5 15.05	+27 58.5	0.991	1.955	8.0	16.2
1 6	5 6.45	+27 13.0	1.045	1.969	13.5	16.5
1 16	5 1.77	+26 29.6	1.120	1.984	18.2	16.9

328051 2007 OW 12 14.8 124°.80 5°.1/13.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.95	+ 8 26.7	2.541	3.310	12.4	20.6
11 17	5 49.39	+ 7 34.3	2.464	3.317	10.0	20.4
11 27	5 43.07	+ 6 48.1	2.410	3.324	7.6	20.3
12 7	5 35.54	+ 6 10.8	2.384	3.330	5.6	20.1
12 17	5 27.48	+ 5 44.9	2.387	3.337	5.2	20.1
12 27	5 19.69	+ 5 31.7	2.419	3.343	6.7	20.2
1 6	5 12.88	+ 5 31.3	2.479	3.350	9.1	20.4
1 16	5 7.63	+ 5 42.9	2.563	3.356	11.4	20.6

252031 2000 OM_{58} 12 14.8 146°.07 3°.2/15.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.86	+33 14.0	2.320	3.090	13.4	20.9
11 17	5 55.29	+33 27.7	2.238	3.096	10.7	20.7
11 27	5 47.27	+33 34.0	2.178	3.103	7.6	20.5
12 7	5 37.49	+33 30.1	2.145	3.109	4.5	20.3
12 17	5 26.93	+33 14.4	2.142	3.115	3.2	20.2
12 27	5 16.75	+32 47.7	2.168	3.120	5.4	20.4
1 6	5 8.02	+32 12.8	2.224	3.125	8.5	20.6
1 16	5 1.49	+31 33.7	2.305	3.130	11.5	20.8

108405 2001 KB_{29} 12 14.8 196°.11 1°.6/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 1.16	+20 48.0	1.739	2.533	16.2	20.2
11 17	5 56.08	+20 21.6	1.653	2.532	12.7	20.0
11 27	5 48.10	+19 54.2	1.590	2.530	8.6	19.7
12 7	5 37.96	+19 26.3	1.552	2.527	4.1	19.4
12 17	5 26.79	+18 59.0	1.543	2.525	2.0	19.3
12 27	5 15.97	+18 34.4	1.563	2.521	6.3	19.6
1 6	5 6.80	+18 14.6	1.610	2.517	10.8	19.8
1 16	5 0.21	+18 1.8	1.681	2.513	14.6	20.1

111543 2001 YC_{134} 12 14.8 75°.69 2°.0/15.1 18

11 7	5 59.41	+29 18.3	1.956	2.744	14.9	19.7
11 17	5 54.44	+29 21.5	1.882	2.755	11.7	19.5
11 27	5 46.81	+29 18.8	1.829	2.765	8.0	19.3
12 7	5 37.31	+29 8.2	1.803	2.775	4.1	19.1
12 17	5 26.99	+28 48.7	1.805	2.786	2.2	19.0
12 27	5 17.15	+28 21.7	1.837	2.796	5.5	19.2
1 6	5 8.92	+27 50.2	1.897	2.807	9.2	19.4
1 16	5 3.10	+27 17.7	1.981	2.817	12.6	19.7

394199 2006 SS_{84} 12 14.8 98°.79 2°.5/15.1 18

11 7	6 1.46	+29 40.7	2.013	2.795	14.8	21.7
11 17	5 55.97	+30 4.1	1.942	2.811	11.6	21.5
11 27	5 47.81	+30 22.2	1.894	2.827	8.0	21.3
12 7	5 37.75	+30 32.3	1.872	2.842	4.3	21.1
12 17	5 26.87	+30 32.3	1.879	2.858	2.6	21.0
12 27	5 16.47	+30 22.6	1.916	2.873	5.6	21.3
1 6	5 7.68	+30 5.6	1.981	2.887	9.2	21.5
1 16	5 1.32	+29 44.9	2.071	2.902	12.3	21.7

157581 2005 UB_{331} 12 14.8 248°.15 0°.2/14.8 18

11 7	6 0.46	+22 20.2	1.802	2.596	15.8	21.1
11 17	5 55.72	+22 27.6	1.705	2.584	12.4	20.9
11 27	5 48.02	+22 35.5	1.631	2.571	8.4	20.6
12 7	5 38.02	+22 42.4	1.582	2.558	3.8	20.3
12 17	5 26.75	+22 47.2	1.561	2.544	1.1	20.1
12 27	5 15.62	+22 49.8	1.570	2.531	6.0	20.4
1 6	5 6.00	+22 51.3	1.606	2.516	10.6	20.6
1 16	4 58.91	+22 53.6	1.666	2.502	14.6	20.8

280183 2002 RW_{183} 12 14.8 137°.94 8°.7/17.7 17

11 7	6 11.55	+56 6.3	2.947	3.606	13.0	21.1
11 17	6 4.07	+56 55.7	2.874	3.616	11.6	21.0
11 27	5 53.33	+57 28.7	2.821	3.625	10.2	20.9
12 7	5 40.24	+57 39.5	2.791	3.634	9.2	20.8
12 17	5 26.17	+57 24.3	2.787	3.643	8.7	20.8
12 27	5 12.78	+56 43.2	2.808	3.651	9.1	20.9
1 6	5 1.49	+55 40.0	2.856	3.659	10.1	20.9
1 16	4 53.23	+54 21.2	2.927	3.667	11.4	21.1

403496 2009 UY_{131} 12 14.8 70°.61 5°.7/15.9 17

11 7	6 1.81	+39 37.9	2.140	2.900	14.7	21.2
11 17	5 56.46	+40 13.6	2.068	2.913	12.0	21.0
11 27	5 48.24	+40 37.8	2.018	2.925	9.2	20.9
12 7	5 37.97	+40 46.0	1.993	2.937	6.7	20.7
12 17	5 26.82	+40 35.4	1.996	2.950	5.7	20.7
12 27	5 16.19	+40 6.4	2.027	2.962	7.1	20.8
1 6	5 7.30	+39 23.0	2.086	2.974	9.7	21.0
1 16	5 1.02	+38 30.6	2.169	2.987	12.3	21.2

449170 2013 BV_{29} 12 14.8 202°.23 1°.7/14.9 18

11 7	6 0.33	+27 25.9	2.089	2.873	14.2	21.6
11 17	5 55.19	+27 44.8	1.999	2.870	11.2	21.4
11 27	5 47.40	+28 0.6	1.932	2.867	7.6	21.2
12 7	5 37.65	+28 10.8	1.891	2.864	3.8	20.9
12 17	5 26.89	+28 13.6	1.879	2.860	1.9	20.8
12 27	5 16.38	+28 8.8	1.897	2.856	5.4	21.0
1 6	5 7.29	+27 58.2	1.944	2.852	9.2	21.2
1 16	5 0.49	+27 44.7	2.016	2.847	12.6	21.4

275950 2001 UP_{226} 12 14.8 130°.83 0°.6/14.8 16

11 7	6 5.91	+21 17.2	1.602	2.394	17.5	22.1
11 17	5 59.85	+21 24.9	1.533	2.409	13.7	21.9
11 27	5 50.62	+21 33.7	1.485	2.424	9.1	21.7
12 7	5 39.07	+21 42.0	1.462	2.438	4.1	21.4
12 17	5 26.52	+21 48.5	1.468	2.451	1.3	21.3
12 27	5 14.53	+21 53.3	1.503	2.463	6.3	21.6
1 6	5 4.52	+21 57.7	1.565	2.475	10.9	21.9
1 16	4 57.41	+22 3.6	1.652	2.485	14.8	22.2

387366 2012 XG_{68} 12 14.8 161°.91 2°.4/14.6 18

11 7	5 59.69	+16 44.4	2.034	2.818	14.5	21.7
11 17	5 54.42	+16 32.2	1.952	2.823	11.4	21.5
11 27	5 46.73	+16 23.4	1.893	2.828	7.8	21.3
12 7	5 37.29	+16 18.4	1.860	2.832	4.1	21.1
12 17	5 27.02	+16 17.6	1.857	2.835	2.6	21.0
12 27	5 17.06	+16 21.7	1.884	2.838	5.8	21.2
1 6	5 8.47	+16 31.0	1.939	2.841	9.6	21.4
1 16	5 2.01	+16 45.6	2.019	2.843	12.9	21.7

479506 2014 BF_7 12 14.8 298°.49 1°.1/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.10	+25 31.8	1.496	2.305	17.7	21.8
11 17	5 55.32	+25 41.0	1.406	2.292	14.0	21.5
11 27	5 48.10	+25 47.7	1.336	2.279	9.5	21.2
12 7	5 38.16	+25 49.7	1.291	2.267	4.5	20.9
12 17	5 26.73	+25 45.0	1.271	2.254	1.6	20.7
12 27	5 15.51	+25 33.8	1.279	2.242	6.8	21.0
1 6	5 6.14	+25 18.8	1.313	2.230	11.9	21.3
1 16	4 59.81	+25 3.5	1.369	2.218	16.4	21.5

185734 1998 WQ_{32} 12 14.8 72°.73 3°.7/14.8 18

11 7	6 9.77	+28 31.5	1.469	2.259	18.9	19.9
11 17	6 3.16	+29 42.5	1.421	2.294	14.8	19.7
11 27	5 52.91	+30 49.2	1.394	2.328	10.2	19.5
12 7	5 40.08	+31 45.0	1.392	2.362	5.6	19.3
12 17	5 26.26	+32 24.4	1.419	2.395	3.9	19.3
12 27	5 13.34	+32 46.1	1.473	2.427	7.2	19.6
1 6	5 2.87	+32 53.2	1.555	2.459	11.3	19.9
1 16	4 55.81	+32 50.8	1.660	2.491	14.9	20.2

89071 2001 TF_{150} 12 14.8 269°.59 3°.8/14.5 18

11 7	5 58.18	+14 46.0	1.631	2.431	16.9	19.7
11 17	5 53.97	+14 23.4	1.545	2.424	13.5	19.4
11 27	5 46.84	+14 6.1	1.480	2.417	9.4	19.2
12 7	5 37.48	+13 56.1	1.440	2.409	5.4	18.9
12 17	5 26.96	+13 54.6	1.427	2.402	4.0	18.8
12 27	5 16.68	+14 2.6	1.441	2.395	7.4	19.0
1 6	5 7.97	+14 20.2	1.482	2.388	11.7	19.3
1 16	5 1.82	+14 46.6	1.546	2.380	15.6	19.5

364770 2007 XS_{57} 12 14.8 342°.91 0°.8/14.6 18

11 7	5 56.59	+24 59.7	1.534	2.346	17.2	19.6
11 17	5 52.97	+24 11.5	1.451	2.339	13.5	19.3
11 27	5 46.23	+23 16.2	1.388	2.332	9.1	19.1
12 7	5 37.20	+22 14.6	1.349	2.326	4.1	18.8
12 17	5 27.07	+21 9.5	1.338	2.321	1.5	18.6
12 27	5 17.38	+20 5.3	1.354	2.316	6.6	18.9
1 6	5 9.51	+19 7.0	1.396	2.312	11.4	19.1
1 16	5 4.39	+18 18.6	1.461	2.309	15.6	19.4

458476 2011 BS_{102} 12 14.8 86°.25 4°.4/15.7 17

11 7	6 1.19	+37 3.2	2.288	3.051	13.8	21.2
11 17	5 55.61	+37 23.3	2.216	3.067	11.1	21.1
11 27	5 47.48	+37 33.6	2.167	3.082	8.2	20.9
12 7	5 37.59	+37 30.6	2.144	3.098	5.5	20.8
12 17	5 26.98	+37 12.6	2.150	3.114	4.4	20.7
12 27	5 16.88	+36 40.4	2.185	3.129	6.1	20.8
1 6	5 8.36	+35 57.7	2.249	3.144	8.8	21.0
1 16	5 2.17	+35 9.0	2.338	3.160	11.4	21.2

420974 2013 PN_{24} 12 14.8 90°.60 0°.1/14.8 18

11 7	5 56.14	+24 6.8	2.476	3.258	12.3	21.7
11 17	5 51.25	+23 59.1	2.400	3.272	9.5	21.5
11 27	5 44.40	+23 49.3	2.348	3.286	6.3	21.3
12 7	5 36.18	+23 37.1	2.323	3.299	2.8	21.1
12 17	5 27.39	+23 22.5	2.329	3.312	0.8	21.0
12 27	5 18.94	+23 6.5	2.365	3.325	4.3	21.3
1 6	5 11.66	+22 50.4	2.431	3.338	7.6	21.5
1 16	5 6.16	+22 36.0	2.522	3.351	10.5	21.7

248029 2004 FD_{135} 12 14.8 337°.47 8°.1/15.7 17

11 7	5 54.41	+ 3 22.1	1.390	2.187	19.4	19.3
11 17	5 51.57	+ 3 22.0	1.304	2.170	16.3	19.0
11 27	5 45.58	+ 3 43.0	1.235	2.154	12.7	18.8
12 7	5 37.06	+ 4 29.9	1.189	2.139	9.4	18.5
12 17	5 27.07	+ 5 44.3	1.166	2.125	8.2	18.4
12 27	5 17.15	+ 7 23.7	1.170	2.112	10.3	18.5
1 6	5 8.80	+ 9 21.8	1.198	2.101	14.1	18.7
1 16	5 3.22	+11 30.7	1.248	2.091	18.1	18.9

517050 2013 AU_{85} 12 14.8 213°.73 1°.8/14.7 18

11 7	5 58.98	+17 9.5	2.117	2.901	14.1	22.1
11 17	5 53.96	+17 16.6	2.024	2.896	11.1	21.9
11 27	5 46.52	+17 27.7	1.954	2.890	7.5	21.7
12 7	5 37.27	+17 42.7	1.911	2.884	3.7	21.5
12 17	5 27.06	+18 1.0	1.897	2.877	2.1	21.3
12 27	5 17.02	+18 22.3	1.913	2.871	5.5	21.5
1 6	5 8.20	+18 46.2	1.959	2.863	9.3	21.8
1 16	5 1.45	+19 12.8	2.029	2.856	12.7	22.0

453461 2009 SJ_{98} 12 14.8 51°.68 5°.1/16.4 17

11 7	6 3.32	+39 17.1	1.903	2.670	16.0	20.0
11 17	5 57.62	+39 16.1	1.840	2.690	13.0	19.8
11 27	5 48.92	+39 0.7	1.797	2.711	9.7	19.7
12 7	5 38.22	+38 27.6	1.779	2.732	6.5	19.5
12 17	5 26.86	+37 35.7	1.790	2.753	5.1	19.5
12 27	5 16.32	+36 28.1	1.829	2.775	6.8	19.6
1 6	5 7.83	+35 10.7	1.895	2.796	9.8	19.9
1 16	5 2.13	+33 50.5	1.987	2.818	12.8	20.1

234803 2002 QT_{78} 12 14.8 110°.72 1°.5/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.59	+19 27.5	2.481	3.264	12.3	21.1
11 17	5 50.79	+19 7.8	2.402	3.274	9.5	20.9
11 27	5 44.08	+18 48.6	2.347	3.284	6.4	20.7
12 7	5 36.05	+18 30.3	2.320	3.294	3.1	20.5
12 17	5 27.45	+18 13.9	2.323	3.303	1.7	20.4
12 27	5 19.15	+18 0.2	2.356	3.313	4.7	20.7
1 6	5 11.96	+17 50.3	2.419	3.322	7.9	20.9
1 16	5 6.48	+17 45.0	2.507	3.331	10.7	21.1

155981 2001 QC_{247} 12 14.8 25°.98 2°.2/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.55	+27 19.6	1.198	2.023	20.3	19.2
11 17	5 55.28	+27 38.7	1.138	2.032	15.9	19.0
11 27	5 48.14	+27 53.2	1.097	2.042	10.8	18.7
12 7	5 38.15	+27 59.6	1.078	2.054	5.3	18.5
12 17	5 26.89	+27 55.5	1.084	2.066	2.5	18.3
12 27	5 16.36	+27 41.8	1.115	2.079	7.4	18.7
1 6	5 8.26	+27 22.2	1.170	2.093	12.5	19.0
1 16	5 3.63	+27 1.5	1.247	2.108	16.9	19.3

308948 2006 TC_{14} 12 14.8 20°.20 2°.2/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.36	+18 0.2	1.422	2.240	18.0	20.1
11 17	5 52.01	+17 57.0	1.357	2.248	14.1	19.8
11 27	5 45.59	+17 58.3	1.312	2.256	9.5	19.6
12 7	5 36.92	+18 4.3	1.291	2.266	4.7	19.3
12 17	5 27.24	+18 14.9	1.295	2.277	2.5	19.2
12 27	5 18.05	+18 30.0	1.327	2.288	6.8	19.5
1 6	5 10.69	+18 49.5	1.383	2.301	11.4	19.8
1 16	5 6.09	+19 13.3	1.463	2.314	15.4	20.1

132836 2002 RY_{20} 12 14.8 83°.04 0°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.69	+23 58.0	2.376	3.160	12.7	19.9
11 17	5 51.79	+24 4.0	2.302	3.175	9.9	19.8
11 27	5 44.83	+24 8.6	2.252	3.190	6.6	19.6
12 7	5 36.42	+24 11.0	2.229	3.205	2.9	19.4
12 17	5 27.39	+24 10.5	2.236	3.220	0.9	19.2
12 27	5 18.70	+24 7.5	2.274	3.234	4.5	19.5
1 6	5 11.23	+24 3.1	2.341	3.249	7.8	19.8
1 16	5 5.61	+23 58.8	2.433	3.264	10.7	20.0

122977 2000 SV_{230} 12 14.8 72°.26 1°.1/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.31	+25 33.4	1.638	2.439	16.8	20.0
11 17	5 55.70	+25 45.1	1.562	2.444	13.2	19.8
11 27	5 48.00	+25 54.4	1.508	2.449	8.9	19.5
12 7	5 38.00	+25 58.9	1.478	2.454	4.1	19.3
12 17	5 26.92	+25 57.2	1.476	2.459	1.5	19.1
12 27	5 16.28	+25 49.6	1.503	2.464	6.1	19.4
1 6	5 7.46	+25 38.3	1.555	2.469	10.6	19.7
1 16	5 1.40	+25 26.5	1.632	2.475	14.5	19.9

69176 4602 P–L 12 14.8 25°.95 0°.5/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.35	+22 6.9	1.779	2.583	15.5	18.3
11 17	5 51.44	+22 3.6	1.708	2.592	12.1	18.1
11 27	5 44.93	+22 0.2	1.659	2.602	8.0	17.8
12 7	5 36.55	+21 56.1	1.636	2.612	3.6	17.6
12 17	5 27.35	+21 51.2	1.640	2.623	1.2	17.4
12 27	5 18.57	+21 46.2	1.673	2.635	5.6	17.8
1 6	5 11.33	+21 42.4	1.733	2.647	9.7	18.0
1 16	5 6.42	+21 41.2	1.816	2.660	13.2	18.3

491795 2012 XV_{25} 12 14.8 22°.06 0°.3/14.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.58	+22 43.4	2.271	3.066	12.9	21.6
11 17	5 48.73	+22 36.4	2.197	3.077	10.0	21.4
11 27	5 42.85	+22 28.5	2.148	3.088	6.6	21.2
12 7	5 35.55	+22 19.5	2.124	3.101	3.0	21.0
12 17	5 27.64	+22 9.6	2.130	3.113	0.9	20.9
12 27	5 20.07	+21 59.5	2.165	3.127	4.6	21.2
1 6	5 13.67	+21 50.4	2.229	3.140	8.0	21.4
1 16	5 9.08	+21 43.6	2.318	3.155	11.0	21.6

121243 1999 RQ_{50} 12 14.8 112°.62 2°.8/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.47	+15 19.4	1.945	2.729	15.1	20.1
11 17	5 55.00	+15 13.6	1.876	2.746	11.9	19.9
11 27	5 47.10	+15 12.8	1.829	2.762	8.1	19.7
12 7	5 37.47	+15 17.5	1.808	2.778	4.4	19.5
12 17	5 27.11	+15 27.8	1.816	2.794	2.9	19.4
12 27	5 17.18	+15 43.5	1.855	2.808	6.0	19.7
1 6	5 8.71	+16 4.5	1.921	2.823	9.6	19.9
1 16	5 2.46	+16 30.1	2.012	2.837	12.9	20.1

370572 2003 US_{214} 12 14.8 54°.69 3°.1/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.21	+28 57.6	1.180	1.997	21.1	20.7
11 17	5 59.62	+29 22.5	1.129	2.017	16.6	20.5
11 27	5 50.95	+29 40.7	1.096	2.037	11.3	20.2
12 7	5 39.35	+29 47.6	1.085	2.058	5.8	20.0
12 17	5 26.62	+29 40.5	1.099	2.079	3.3	19.9
12 27	5 14.88	+29 20.5	1.139	2.101	7.6	20.2
1 6	5 5.87	+28 52.9	1.204	2.123	12.6	20.6
1 16	5 0.56	+28 23.4	1.290	2.144	16.9	20.9

312388 2008 EA_{141} 12 14.8 341°.95 1°.1/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.55	+26 37.7	1.823	2.621	15.4	21.0
11 17	5 53.34	+26 38.1	1.739	2.618	12.1	20.8
11 27	5 46.34	+26 34.5	1.676	2.616	8.2	20.6
12 7	5 37.26	+26 25.4	1.638	2.613	3.9	20.3
12 17	5 27.17	+26 9.9	1.628	2.611	1.5	20.1
12 27	5 17.41	+25 49.0	1.648	2.609	5.7	20.4
1 6	5 9.23	+25 25.3	1.694	2.608	9.9	20.7
1 16	5 3.51	+25 2.1	1.764	2.606	13.6	20.9

482980 2014 MK_{28} 12 14.8 231°.82 5°.7/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.61	+ 7 44.3	2.231	2.998	13.9	21.9
11 17	5 52.71	+ 7 0.9	2.134	2.986	11.4	21.7
11 27	5 45.62	+ 6 24.8	2.059	2.972	8.7	21.5
12 7	5 36.88	+ 5 59.1	2.011	2.958	6.4	21.4
12 17	5 27.27	+ 5 46.5	1.992	2.944	5.9	21.3
12 27	5 17.79	+ 5 48.5	2.001	2.929	7.7	21.4
1 6	5 9.38	+ 6 4.9	2.038	2.913	10.6	21.5
1 16	5 2.81	+ 6 34.4	2.100	2.896	13.4	21.7

233257 2005 YZ_{155} 12 14.8 157°.29 0°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.11	+24 44.1	2.232	3.019	13.3	20.1
11 17	5 52.35	+24 24.3	2.145	3.019	10.4	19.9
11 27	5 45.33	+24 1.2	2.082	3.020	7.0	19.7
12 7	5 36.70	+23 34.4	2.045	3.021	3.1	19.5
12 17	5 27.35	+23 4.5	2.038	3.022	0.9	19.3
12 27	5 18.31	+22 33.2	2.062	3.022	4.8	19.6
1 6	5 10.56	+22 2.7	2.114	3.023	8.5	19.8
1 16	5 4.80	+21 35.4	2.192	3.024	11.7	20.0

457304 2008 SS_{23} 12 14.8 61°.36 6°.1/15.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.56	+40 40.9	2.191	2.947	14.5	21.1
11 17	5 56.32	+41 23.4	2.119	2.959	12.0	20.9
11 27	5 48.21	+41 54.2	2.069	2.971	9.3	20.8
12 7	5 38.05	+42 8.7	2.044	2.983	7.0	20.6
12 17	5 26.97	+42 3.7	2.047	2.995	6.1	20.6
12 27	5 16.37	+41 39.4	2.078	3.007	7.4	20.7
1 6	5 7.50	+40 59.5	2.136	3.020	9.7	20.9
1 16	5 1.20	+40 9.4	2.218	3.032	12.2	21.1

460322 2014 QR_{414} 12 14.8 154°.71 0°.4/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.88	+24 1.6	2.204	2.991	13.5	22.0
11 17	5 53.02	+24 9.9	2.119	2.993	10.5	21.8
11 27	5 45.84	+24 17.0	2.057	2.996	7.1	21.6
12 7	5 36.96	+24 21.7	2.022	2.998	3.2	21.3
12 17	5 27.27	+24 23.1	2.017	3.000	1.0	21.2
12 27	5 17.85	+24 21.3	2.041	3.002	4.9	21.5
1 6	5 9.70	+24 17.7	2.094	3.004	8.6	21.7
1 16	5 3.60	+24 13.9	2.173	3.005	11.8	21.9

458463 2011 BZ_{38} 12 14.8 331°.22 10°.7/13.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 52.70	− 5 57.9	2.082	2.817	15.8	21.2
11 17	5 48.99	− 7 6.1	2.006	2.810	13.9	21.0
11 27	5 43.15	− 7 57.3	1.950	2.804	12.1	20.9
12 7	5 35.76	− 8 25.8	1.916	2.797	10.9	20.8
12 17	5 27.61	− 8 27.5	1.907	2.791	10.7	20.8
12 27	5 19.66	− 8 1.0	1.922	2.785	11.7	20.9
1 6	5 12.83	− 7 8.5	1.961	2.780	13.4	21.0
1 16	5 7.83	− 5 54.4	2.021	2.775	15.3	21.1

277764 2006 DA_{157} 12 14.8 135°.57 3°.2/15.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.84	+33 14.6	2.521	3.290	12.5	21.1
11 17	5 53.64	+33 39.6	2.438	3.296	10.0	21.0
11 27	5 46.18	+33 58.3	2.378	3.301	7.1	20.8
12 7	5 37.09	+34 7.9	2.345	3.307	4.4	20.6
12 17	5 27.25	+34 6.6	2.341	3.312	3.3	20.6
12 27	5 17.69	+33 54.4	2.368	3.318	5.2	20.7
1 6	5 9.40	+33 33.5	2.423	3.323	8.0	20.9
1 16	5 3.11	+33 6.9	2.505	3.327	10.7	21.1

12243 1988 RD_{1} 12 14.8 70°.94 4°.0/15.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.17	+35 13.8	2.127	2.900	14.3	17.6
11 17	5 55.03	+35 28.6	2.051	2.910	11.5	17.4
11 27	5 47.25	+35 34.1	1.997	2.920	8.3	17.2
12 7	5 37.58	+35 27.1	1.970	2.930	5.3	17.0
12 17	5 27.12	+35 6.0	1.970	2.940	4.0	17.0
12 27	5 17.14	+34 31.7	2.000	2.950	6.0	17.1
1 6	5 8.76	+33 47.9	2.058	2.960	9.1	17.3
1 16	5 2.79	+32 59.4	2.141	2.970	12.0	17.5

267585 Popluhár 12 14.8 31°.87 2°.6/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.87	+29 11.5	1.074	1.905	21.8	20.3
11 17	5 56.57	+29 13.9	1.022	1.919	17.1	20.1
11 27	5 49.08	+29 7.6	0.988	1.934	11.7	19.8
12 7	5 38.57	+28 49.6	0.975	1.951	5.8	19.6
12 17	5 26.88	+28 18.7	0.986	1.968	2.8	19.4
12 27	5 16.19	+27 38.3	1.022	1.987	7.7	19.8
1 6	5 8.27	+26 54.3	1.081	2.006	13.0	20.1
1 16	5 4.09	+26 12.9	1.161	2.026	17.6	20.5

314389 2005 UG_{135} 12 14.8 106°.30 0°.4/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.58	+21 53.8	2.129	2.918	13.8	21.5
11 17	5 52.80	+21 58.3	2.049	2.925	10.8	21.3
11 27	5 45.69	+22 3.1	1.992	2.931	7.2	21.1
12 7	5 36.90	+22 7.2	1.961	2.937	3.2	20.8
12 17	5 27.33	+22 10.1	1.960	2.943	1.0	20.7
12 27	5 18.06	+22 12.1	1.989	2.950	5.0	21.0
1 6	5 10.11	+22 14.0	2.046	2.956	8.7	21.2
1 16	5 4.22	+22 17.0	2.129	2.962	12.0	21.4

30075 2000 EC_{97} 12 14.8 260°.45 6°.9/15.2 18

11 7	6 3.73	+40 0.4	2.030	2.790	15.4	18.8
11 17	5 58.67	+41 4.4	1.938	2.780	12.8	18.6
11 27	5 50.26	+41 59.1	1.868	2.770	10.1	18.4
12 7	5 39.20	+42 37.7	1.822	2.760	7.7	18.3
12 17	5 26.66	+42 54.8	1.803	2.750	6.9	18.2
12 27	5 14.29	+42 48.4	1.813	2.740	8.5	18.3
1 6	5 3.66	+42 21.4	1.848	2.729	11.2	18.4
1 16	4 55.95	+41 39.8	1.908	2.719	14.0	18.6

514715 2006 TZ_{88} 12 14.8 112°.42 3°.5/15.2 18

11 7	6 2.50	+32 15.4	2.169	2.941	14.1	21.9
11 17	5 56.76	+32 51.6	2.096	2.956	11.2	21.8
11 27	5 48.39	+33 21.8	2.046	2.971	8.0	21.6
12 7	5 38.13	+33 42.0	2.022	2.986	4.8	21.4
12 17	5 27.02	+33 49.9	2.028	3.000	3.5	21.4
12 27	5 16.32	+33 45.1	2.064	3.014	5.8	21.5
1 6	5 7.18	+33 30.1	2.128	3.028	9.0	21.7
1 16	5 0.41	+33 8.7	2.217	3.041	11.9	22.0

115859 2003 UG_{273} 12 14.8 7°.62 3°.2/14.4 18

11 7	5 56.12	+17 20.2	1.531	2.342	17.3	19.4
11 17	5 52.46	+16 46.9	1.456	2.343	13.6	19.2
11 27	5 45.85	+16 16.1	1.402	2.344	9.4	18.9
12 7	5 37.09	+15 49.8	1.372	2.345	5.0	18.7
12 17	5 27.30	+15 29.9	1.369	2.347	3.5	18.6
12 27	5 17.92	+15 18.4	1.393	2.350	7.2	18.8
1 6	5 10.24	+15 16.3	1.442	2.353	11.6	19.1
1 16	5 5.17	+15 23.8	1.514	2.356	15.5	19.3

274771 2008 UR_{345} 12 14.8 83°.56 0°.5/14.9 17

11 7	5 56.55	+24 6.7	2.430	3.213	12.5	21.1
11 17	5 51.73	+24 23.7	2.352	3.225	9.7	20.9
11 27	5 44.84	+24 39.9	2.299	3.237	6.5	20.8
12 7	5 36.49	+24 53.7	2.273	3.249	2.9	20.5
12 17	5 27.48	+25 4.3	2.278	3.261	1.0	20.4
12 27	5 18.76	+25 11.5	2.312	3.272	4.4	20.7
1 6	5 11.20	+25 16.0	2.376	3.284	7.7	20.9
1 16	5 5.46	+25 19.2	2.466	3.296	10.6	21.1

483329 2016 PX_{72} 12 14.8 81°.09 0°.6/14.9 18

11 7	6 4.65	+25 44.0	1.510	2.308	18.1	21.3
11 17	5 58.93	+25 34.9	1.452	2.332	14.1	21.2
11 27	5 49.99	+25 21.5	1.416	2.356	9.4	20.9
12 7	5 38.83	+25 2.5	1.404	2.379	4.2	20.7
12 17	5 26.86	+24 37.7	1.419	2.403	1.3	20.5
12 27	5 15.72	+24 9.2	1.464	2.425	6.2	20.9
1 6	5 6.75	+23 40.6	1.535	2.448	10.8	21.3
1 16	5 0.76	+23 15.4	1.629	2.470	14.6	21.5

169815 2002 QH_{54} 12 14.8 333°.26 7°.4/13.9 18

11 7	5 55.54	+ 6 33.6	1.754	2.539	16.5	20.0
11 17	5 51.57	+ 5 35.0	1.676	2.536	13.6	19.8
11 27	5 45.06	+ 4 46.4	1.619	2.534	10.5	19.6
12 7	5 36.69	+ 4 12.6	1.587	2.531	8.0	19.5
12 17	5 27.42	+ 3 57.2	1.580	2.529	7.5	19.4
12 27	5 18.44	+ 4 2.1	1.601	2.527	9.4	19.6
1 6	5 10.85	+ 4 26.3	1.647	2.525	12.4	19.7
1 16	5 5.47	+ 5 7.2	1.715	2.524	15.5	19.9

135854 2002 SF_{53} 12 14.8 63°.82 4°.2/15.0 18

11 7	5 59.48	+10 41.4	1.706	2.494	16.8	19.7
11 17	5 54.56	+10 51.2	1.642	2.511	13.3	19.5
11 27	5 46.98	+11 12.0	1.599	2.528	9.4	19.4
12 7	5 37.51	+11 44.2	1.581	2.545	5.7	19.2
12 17	5 27.22	+12 27.2	1.590	2.563	4.3	19.1
12 27	5 17.37	+13 19.0	1.629	2.580	7.0	19.3
1 6	5 9.12	+14 17.2	1.695	2.598	10.7	19.6
1 16	5 3.27	+15 19.1	1.785	2.615	14.0	19.8

82411 2001 NN_{12} 12 14.8 249°.78 2°.8/15.3 18

11 7	6 3.92	+31 18.9	1.800	2.583	16.2	19.7
11 17	5 58.69	+31 17.8	1.698	2.567	13.0	19.5
11 27	5 50.19	+31 8.3	1.618	2.551	9.1	19.2
12 7	5 39.14	+30 46.8	1.564	2.534	4.9	18.9
12 17	5 26.73	+30 11.6	1.538	2.517	2.9	18.7
12 27	5 14.56	+29 23.9	1.541	2.499	6.4	18.9
1 6	5 4.14	+28 28.4	1.571	2.480	10.9	19.1
1 16	4 56.60	+27 31.1	1.626	2.462	14.9	19.3

258594 2002 CG_{196} 12 14.8 159°.59 0°.9/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.77	+25 44.2	2.161	2.948	13.7	20.8
11 17	5 53.05	+25 53.1	2.075	2.949	10.7	20.6
11 27	5 45.94	+25 59.5	2.012	2.950	7.2	20.4
12 7	5 37.06	+26 1.9	1.976	2.951	3.4	20.2
12 17	5 27.34	+25 59.4	1.969	2.952	1.3	20.0
12 27	5 17.89	+25 52.3	1.992	2.952	5.0	20.3
1 6	5 9.76	+25 42.1	2.043	2.953	8.7	20.5
1 16	5 3.73	+25 31.0	2.119	2.953	12.0	20.7

27499 2000 GW_{125} 12 14.8 200°.25 3°.6/14.1 18

11 7	5 53.48	+11 11.1	2.952	3.720	10.9	20.3
11 17	5 48.93	+10 39.7	2.860	3.716	8.7	20.1
11 27	5 42.81	+10 12.5	2.792	3.713	6.3	20.0
12 7	5 35.56	+ 9 51.3	2.752	3.709	4.2	19.8
12 17	5 27.78	+ 9 37.4	2.742	3.705	3.7	19.8
12 27	5 20.15	+ 9 31.8	2.763	3.700	5.3	19.9
1 6	5 13.34	+ 9 34.7	2.813	3.695	7.7	20.0
1 16	5 7.88	+ 9 45.7	2.889	3.690	10.0	20.2

245371 2005 GR_{60} 12 14.8 191°.24 4°.8/15.5 18

11 7	6 4.14	+38 11.8	2.545	3.293	12.9	21.0
11 17	5 57.99	+38 46.4	2.452	3.291	10.6	20.8
11 27	5 49.24	+39 12.2	2.383	3.289	8.0	20.6
12 7	5 38.57	+39 25.0	2.340	3.286	5.7	20.5
12 17	5 26.93	+39 21.8	2.326	3.283	4.8	20.4
12 27	5 15.57	+39 2.4	2.343	3.278	6.3	20.5
1 6	5 5.61	+38 29.4	2.388	3.273	8.8	20.7
1 16	4 57.92	+37 47.5	2.459	3.268	11.4	20.8

285436 1999 VR_{146} 12 14.8 50°.42 5°.3/13.9 18

11 7	5 58.41	+14 33.9	1.492	2.298	17.9	20.0
11 17	5 53.94	+13 18.6	1.434	2.315	14.2	19.8
11 27	5 46.61	+12 7.3	1.398	2.332	10.1	19.6
12 7	5 37.33	+11 4.5	1.385	2.350	6.4	19.5
12 17	5 27.32	+10 14.6	1.400	2.368	5.5	19.5
12 27	5 17.96	+ 9 41.0	1.442	2.387	8.4	19.7
1 6	5 10.44	+ 9 24.7	1.508	2.405	12.1	19.9
1 16	5 5.51	+ 9 24.7	1.598	2.424	15.6	20.2

279628 2011 EN_{50} 12 14.8 19°.73 0°.2/14.8 17

11 7	5 56.41	+21 6.9	2.183	2.973	13.5	20.2
11 17	5 51.95	+21 30.4	2.098	2.974	10.5	20.0
11 27	5 45.19	+21 55.8	2.037	2.976	7.0	19.8
12 7	5 36.74	+22 21.8	2.002	2.978	3.2	19.6
12 17	5 27.45	+22 47.0	1.996	2.979	0.9	19.4
12 27	5 18.36	+23 10.5	2.021	2.981	4.9	19.7
1 6	5 10.49	+23 32.3	2.074	2.984	8.6	19.9
1 16	5 4.59	+23 53.0	2.152	2.986	11.8	20.2

281214 2007 HX_{11} 12 14.8 143°.02 0°.8/14.7 18

11 7	6 1.36	+21 10.6	1.992	2.777	14.8	21.9
11 17	5 55.83	+21 5.7	1.913	2.787	11.5	21.7
11 27	5 47.76	+21 1.0	1.858	2.796	7.7	21.5
12 7	5 37.87	+20 55.9	1.830	2.805	3.5	21.3
12 17	5 27.15	+20 50.3	1.831	2.813	1.3	21.1
12 27	5 16.83	+20 44.8	1.862	2.821	5.4	21.4
1 6	5 7.99	+20 40.6	1.921	2.828	9.3	21.7
1 16	5 1.42	+20 39.3	2.006	2.835	12.8	21.9

296865 2009 WP_{262} 12 14.8 76°.62 0°.8/14.8 17

11 7	5 59.88	+22 9.2	2.305	3.084	13.2	19.8
11 17	5 54.62	+23 6.9	2.217	3.087	10.3	19.6
11 27	5 47.00	+24 7.7	2.153	3.089	6.9	19.4
12 7	5 37.58	+25 8.6	2.117	3.092	3.2	19.2
12 17	5 27.21	+26 6.3	2.112	3.095	1.2	19.1
12 27	5 16.96	+26 58.5	2.139	3.098	4.9	19.3
1 6	5 7.87	+27 44.1	2.195	3.101	8.4	19.5
1 16	5 0.77	+28 23.7	2.278	3.103	11.6	19.8

195629 2002 MB_{5} 12 14.8 178°.40 0°.2/14.8 18

11 7	5 56.05	+22 55.3	3.073	3.845	10.4	22.1
11 17	5 50.92	+22 50.0	2.980	3.846	8.1	22.0
11 27	5 44.12	+22 43.5	2.912	3.847	5.4	21.8
12 7	5 36.16	+22 35.5	2.873	3.848	2.4	21.6
12 17	5 27.64	+22 25.9	2.865	3.848	0.7	21.4
12 27	5 19.32	+22 15.4	2.889	3.848	3.8	21.7
1 6	5 11.88	+22 4.9	2.944	3.847	6.6	21.9
1 16	5 5.88	+21 55.6	3.026	3.846	9.1	22.0

82855 2001 QU_{56} 12 14.8 60°.79 2°.6/15.1 18

11 7	6 0.37	+29 10.6	1.769	2.562	16.0	19.6
11 17	5 55.56	+29 35.4	1.701	2.576	12.6	19.4
11 27	5 47.81	+29 55.3	1.654	2.589	8.7	19.2
12 7	5 37.94	+30 7.0	1.632	2.603	4.6	18.9
12 17	5 27.15	+30 8.3	1.638	2.617	2.7	18.9
12 27	5 16.86	+29 59.5	1.673	2.631	6.0	19.1
1 6	5 8.35	+29 43.2	1.735	2.646	9.9	19.4
1 16	5 2.48	+29 23.2	1.821	2.660	13.4	19.6

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
386066 2007 HJ_6		12 14.8 256°.65	1°.3/14.9 18			
	h m	° ′			°	m
11 7	6 1.16	+25 48.8	1.742	2.536	16.2	21.4
11 17	5 56.54	+26 6.5	1.646	2.524	12.8	21.1
11 27	5 48.78	+26 22.3	1.572	2.511	8.7	20.9
12 7	5 38.54	+26 33.7	1.523	2.498	4.2	20.6
12 17	5 26.94	+26 38.3	1.502	2.484	1.7	20.4
12 27	5 15.47	+26 35.8	1.509	2.470	6.2	20.6
1 6	5 5.62	+26 28.0	1.544	2.456	10.8	20.9
1 16	4 58.49	+26 18.0	1.603	2.442	14.9	21.1
196949 2003 UR_{40}		12 14.8 73°.65	5°.8/13.3 18			
11 7	5 55.71	+ 9 18.5	2.246	3.020	13.6	19.7
11 17	5 50.95	+ 7 57.2	2.177	3.034	11.0	19.6
11 27	5 44.24	+ 6 41.4	2.132	3.047	8.3	19.4
12 7	5 36.21	+ 5 35.1	2.114	3.060	6.2	19.3
12 17	5 27.65	+ 4 42.2	2.125	3.073	5.9	19.3
12 27	5 19.45	+ 4 5.1	2.165	3.086	7.6	19.5
1 6	5 12.43	+ 3 44.7	2.232	3.099	10.1	19.7
1 16	5 7.19	+ 3 39.8	2.323	3.112	12.5	19.8
298019 2002 PY_{35}		12 14.8 40°.81	9°.2/15.1 18			
11 7	5 56.56	+ 2 15.3	1.459	2.245	19.2	19.6
11 17	5 52.52	+ 1 28.2	1.408	2.264	16.0	19.4
11 27	5 45.70	+ 0 59.3	1.376	2.282	12.7	19.2
12 7	5 36.96	+ 0 53.7	1.367	2.302	10.0	19.1
12 17	5 27.44	+ 1 13.8	1.381	2.322	9.3	19.1
12 27	5 18.51	+ 1 58.7	1.421	2.342	10.8	19.3
1 6	5 11.32	+ 3 4.1	1.485	2.364	13.5	19.5
1 16	5 6.65	+ 4 24.3	1.571	2.385	16.4	19.7
195875 2002 RQ_3		12 14.8 14°.43	16°.2/16.9 18			
11 7	5 51.73	−16 47.1	1.617	2.323	20.7	18.5
11 17	5 48.70	−18 10.1	1.574	2.332	19.1	18.4
11 27	5 43.14	−19 2.2	1.546	2.342	17.6	18.3
12 7	5 35.81	−19 15.8	1.536	2.354	16.6	18.3
12 17	5 27.75	−18 46.8	1.545	2.368	16.2	18.3
12 27	5 20.16	−17 35.6	1.573	2.382	16.6	18.4
1 6	5 14.10	−15 48.2	1.620	2.398	17.5	18.5
1 16	5 10.28	−13 33.4	1.686	2.415	18.8	18.6
63861 2001 RU_{93}		12 14.8 359°.97	4°.0/14.6 18			
11 7	5 54.08	+15 44.5	1.164	1.997	20.3	18.7
11 17	5 51.76	+15 22.4	1.096	1.994	16.1	18.5
11 27	5 45.89	+15 7.0	1.046	1.992	11.2	18.2
12 7	5 37.28	+15 0.7	1.018	1.991	6.2	17.9
12 17	5 27.32	+15 5.0	1.014	1.992	4.3	17.8
12 27	5 17.80	+15 20.6	1.034	1.994	8.5	18.1
1 6	5 10.35	+15 46.9	1.077	1.997	13.6	18.3
1 16	5 6.10	+16 22.2	1.140	2.001	18.1	18.6
308310 2005 LT_9		12 14.8 319°.32	2°.4/14.9 18			
11 7	5 58.61	+14 36.6	1.784	2.577	15.9	20.6
11 17	5 54.18	+15 2.3	1.697	2.572	12.6	20.3
11 27	5 46.99	+15 36.8	1.632	2.568	8.7	20.1
12 7	5 37.67	+16 19.7	1.592	2.564	4.5	19.8
12 17	5 27.21	+17 9.2	1.580	2.560	2.6	19.7
12 27	5 16.91	+18 3.3	1.598	2.556	6.2	19.9
1 6	5 8.02	+18 59.9	1.643	2.552	10.5	20.2
1 16	5 1.51	+19 57.3	1.713	2.549	14.2	20.4
194615 2001 XB_{143}		12 14.8 294°.15	0°.7/14.8 18			
11 7	5 58.38	+22 2.1	1.574	2.382	17.1	20.4
11 17	5 54.56	+21 56.3	1.481	2.366	13.5	20.1
11 27	5 47.56	+21 50.3	1.408	2.351	9.1	19.8
12 7	5 38.03	+21 43.3	1.359	2.336	4.2	19.5
12 17	5 27.11	+21 35.0	1.338	2.321	1.4	19.3
12 27	5 16.34	+21 26.3	1.344	2.306	6.6	19.6
1 6	5 7.23	+21 19.0	1.376	2.291	11.6	19.8
1 16	5 0.91	+21 15.2	1.431	2.277	16.0	20.0
391847 2008 SS_{278}		12 14.8 262°.04	3°.4/15.2 18			
11 7	6 1.75	+30 45.4	1.679	2.472	16.8	21.6
11 17	5 57.17	+31 12.6	1.592	2.466	13.4	21.3
11 27	5 49.26	+31 34.0	1.526	2.460	9.4	21.1
12 7	5 38.76	+31 45.3	1.484	2.453	5.3	20.8
12 17	5 26.92	+31 43.3	1.470	2.447	3.5	20.7
12 27	5 15.36	+31 27.7	1.483	2.440	6.8	20.9
1 6	5 5.66	+31 1.7	1.524	2.434	11.1	21.1
1 16	4 58.90	+30 30.4	1.588	2.427	15.0	21.4
211755 2004 BU_2		12 14.8 276°.33	1°.3/14.9 18			
11 7	5 58.91	+25 59.3	1.875	2.669	15.2	20.5
11 17	5 54.44	+26 14.6	1.786	2.663	12.0	20.3
11 27	5 47.16	+26 27.5	1.718	2.657	8.1	20.1
12 7	5 37.74	+26 36.1	1.676	2.651	3.9	19.8
12 17	5 27.21	+26 38.5	1.662	2.645	1.6	19.6
12 27	5 16.91	+26 34.7	1.678	2.639	5.7	19.9
1 6	5 8.12	+26 26.5	1.721	2.633	9.9	20.1
1 16	5 1.78	+26 16.4	1.788	2.627	13.6	20.3

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
54323 2000 JQ_{86}		12 14.8 17°.06	7°.9/15.8 18			
	h m	° ′			°	m
11 7	5 58.72	+ 0 40.9	1.778	2.539	17.2	18.2
11 17	5 54.02	+ 0 41.4	1.700	2.540	14.4	18.0
11 27	5 46.72	+ 1 0.8	1.642	2.542	11.4	17.8
12 7	5 37.48	+ 1 42.2	1.608	2.543	8.8	17.7
12 17	5 27.29	+ 2 46.4	1.601	2.545	7.9	17.6
12 27	5 17.36	+ 4 11.2	1.622	2.548	9.4	17.7
1 6	5 8.85	+ 5 51.7	1.670	2.550	12.2	17.9
1 16	5 2.60	+ 7 41.9	1.742	2.553	15.2	18.1
520509 2014 LF_{31}		12 14.8 198°.18	0°.1/14.8 18			
11 7	5 58.83	+25 1.9	2.260	3.042	13.3	21.6
11 17	5 53.69	+24 35.5	2.169	3.041	10.4	21.4
11 27	5 46.27	+24 5.1	2.101	3.038	7.0	21.1
12 7	5 37.20	+23 30.3	2.060	3.036	3.1	20.9
12 17	5 27.39	+22 52.0	2.050	3.033	0.9	20.7
12 27	5 17.88	+22 12.2	2.070	3.030	4.9	21.0
1 6	5 9.67	+21 33.6	2.120	3.027	8.6	21.2
1 16	5 3.47	+20 58.8	2.195	3.024	11.8	21.4
465826 2010 GA_{24}		12 14.8 164°.13	2°.7/15.1 16			
11 7	6 10.28	+30 56.4	2.445	3.195	13.3	26.2
11 17	6 2.51	+31 24.6	2.357	3.206	10.6	26.1
11 27	5 52.12	+31 47.2	2.293	3.216	7.4	25.9
12 7	5 39.83	+32 0.8	2.259	3.224	4.1	25.7
12 17	5 26.66	+32 2.9	2.256	3.231	2.8	25.6
12 27	5 13.83	+31 53.3	2.285	3.236	5.3	25.8
1 6	5 2.51	+31 34.3	2.346	3.240	8.5	26.0
1 16	4 53.51	+31 9.9	2.434	3.242	11.4	26.2
317718 2003 QJ_{40}		12 14.8 112°.63	4°.0/15.4 18			
11 7	6 8.82	+32 34.6	1.633	2.413	17.7	20.8
11 17	6 2.39	+33 3.1	1.569	2.433	14.1	20.6
11 27	5 52.46	+33 22.9	1.525	2.453	9.9	20.4
12 7	5 40.05	+33 29.2	1.507	2.472	5.8	20.2
12 17	5 26.62	+33 18.8	1.516	2.491	4.1	20.2
12 27	5 13.96	+32 52.8	1.555	2.508	7.0	20.4
1 6	5 3.58	+32 16.0	1.620	2.525	10.9	20.6
1 16	4 56.41	+31 34.6	1.710	2.541	14.5	20.9
248280 2005 JL_{64}		12 14.8 145°.90	0°.1/14.8 18			
11 7	6 0.80	+25 6.1	2.430	3.204	12.7	21.1
11 17	5 54.91	+24 41.3	2.348	3.215	9.9	20.9
11 27	5 46.89	+24 12.7	2.290	3.226	6.6	20.7
12 7	5 37.42	+23 40.1	2.261	3.236	3.0	20.5
12 17	5 27.35	+23 4.2	2.262	3.245	0.8	20.4
12 27	5 17.67	+22 26.9	2.294	3.254	4.5	20.7
1 6	5 9.28	+21 50.4	2.357	3.262	8.0	20.9
1 16	5 2.83	+21 17.4	2.446	3.269	10.9	21.1
268683 2006 FF_{52}		12 14.8 225°.78	3°.2/15.6 18			
11 7	5 59.55	+35 53.3	3.030	3.781	11.0	21.4
11 17	5 53.93	+35 58.4	2.924	3.770	8.8	21.2
11 27	5 46.29	+35 55.7	2.843	3.758	6.5	21.0
12 7	5 37.20	+35 42.9	2.789	3.746	4.2	20.9
12 17	5 27.40	+35 18.9	2.766	3.733	3.2	20.8
12 27	5 17.80	+34 44.2	2.774	3.720	4.8	20.9
1 6	5 9.28	+34 1.1	2.812	3.707	7.2	21.0
1 16	5 2.51	+33 13.0	2.877	3.693	9.7	21.2
372109 2008 SX_{129}		12 14.8 106°.02	2°.3/14.4 17			
11 7	5 54.82	+17 26.1	2.446	3.230	12.4	21.6
11 17	5 50.29	+16 55.0	2.363	3.235	9.7	21.5
11 27	5 43.86	+16 25.3	2.305	3.240	6.6	21.3
12 7	5 36.08	+15 58.0	2.274	3.244	3.5	21.1
12 17	5 27.71	+15 34.5	2.272	3.249	2.5	21.0
12 27	5 19.62	+15 16.2	2.301	3.254	5.1	21.2
1 6	5 12.59	+15 4.1	2.358	3.258	8.2	21.4
1 16	5 7.26	+14 58.7	2.442	3.263	11.0	21.6
144731 2004 GA_{39}		12 14.8 230°.38	3°.8/14.2 18			
11 7	5 56.57	+14 24.7	2.104	2.890	14.1	20.8
11 17	5 52.03	+13 43.6	2.015	2.885	11.2	20.6
11 27	5 45.23	+13 5.5	1.949	2.880	7.9	20.4
12 7	5 36.77	+12 32.8	1.909	2.875	4.8	20.2
12 17	5 27.51	+12 7.3	1.899	2.870	3.9	20.1
12 27	5 18.48	+11 51.2	1.917	2.864	6.5	20.3
1 6	5 10.67	+11 45.2	1.963	2.858	9.9	20.5
1 16	5 4.81	+11 49.4	2.034	2.852	13.0	20.7
333354 2001 UR_{62}		12 14.8 76°.01	2°.2/15.2 18			
11 7	6 3.37	+29 24.7	1.519	2.317	18.0	20.4
11 17	5 58.23	+29 23.8	1.453	2.332	14.2	20.2
11 27	5 49.73	+29 15.5	1.409	2.347	9.7	19.9
12 7	5 38.83	+28 57.1	1.388	2.362	4.9	19.7
12 17	5 26.98	+28 27.7	1.395	2.376	2.4	19.6
12 27	5 15.86	+27 49.7	1.430	2.391	6.5	19.9
1 6	5 6.90	+27 7.5	1.492	2.406	11.0	20.2
1 16	5 1.00	+26 26.4	1.577	2.421	14.9	20.4

226026 2002 EA_{127} 12 14.8 98°.08 6°.4/15.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.36	+41 29.4	2.180	2.931	14.7	20.4
11 17	5 57.86	+42 11.6	2.103	2.939	12.2	20.2
11 27	5 49.37	+42 41.9	2.048	2.946	9.5	20.0
12 7	5 38.69	+42 54.9	2.018	2.954	7.3	19.9
12 17	5 27.01	+42 47.2	2.015	2.961	6.4	19.9
12 27	5 15.80	+42 18.9	2.041	2.968	7.6	20.0
1 6	5 6.37	+41 33.8	2.094	2.975	10.0	20.1
1 16	4 59.63	+40 38.1	2.171	2.982	12.5	20.3

522052 2015 XY_{414} 12 14.8 334°.21 5°.4/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 53.35	+ 7 26.0	2.274	3.049	13.5	21.1
11 17	5 49.34	+ 6 55.5	2.189	3.046	11.0	20.9
11 27	5 43.35	+ 6 33.5	2.127	3.043	8.3	20.7
12 7	5 35.92	+ 6 22.6	2.091	3.040	6.0	20.6
12 17	5 27.79	+ 6 24.7	2.083	3.037	5.5	20.6
12 27	5 19.85	+ 6 40.3	2.103	3.035	7.2	20.7
1 6	5 12.96	+ 7 8.7	2.151	3.032	9.8	20.8
1 16	5 7.77	+ 7 48.0	2.223	3.030	12.4	21.0

248648 2006 HL_{38} 12 14.8 141°.90 4°.2/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.75	+12 16.6	2.099	2.877	14.3	21.7
11 17	5 53.57	+11 42.6	2.023	2.887	11.4	21.5
11 27	5 46.15	+11 14.1	1.969	2.896	8.2	21.4
12 7	5 37.15	+10 53.2	1.943	2.904	5.2	21.2
12 17	5 27.46	+10 41.5	1.945	2.912	4.3	21.2
12 27	5 18.10	+10 40.2	1.976	2.919	6.6	21.3
1 6	5 10.04	+10 49.2	2.036	2.926	9.8	21.5
1 16	5 3.97	+11 7.8	2.120	2.933	12.8	21.7

505055 2011 SX_{45} 12 14.8 195°.58 18°.2/11.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.13	−10 10.9	1.282	2.030	23.2	21.5
11 17	5 55.20	−12 46.8	1.229	2.030	21.2	21.3
11 27	5 47.93	−14 56.3	1.194	2.029	19.4	21.2
12 7	5 38.15	−16 25.9	1.176	2.029	18.4	21.1
12 17	5 27.17	−17 5.7	1.177	2.029	18.4	21.1
12 27	5 16.63	−16 52.3	1.198	2.028	19.5	21.2
1 6	5 8.03	−15 50.3	1.236	2.028	21.2	21.3
1 16	5 2.42	−14 9.5	1.289	2.027	23.2	21.5

262050 2006 QJ_{184} 12 14.8 345°.55 4°.2/15.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.97	+32 42.1	1.748	2.538	16.3	20.7
11 17	5 55.69	+33 19.2	1.665	2.536	13.1	20.5
11 27	5 48.21	+33 49.6	1.604	2.533	9.4	20.3
12 7	5 38.29	+34 8.6	1.567	2.531	5.8	20.1
12 17	5 27.12	+34 12.6	1.557	2.530	4.3	20.0
12 27	5 16.28	+34 1.2	1.575	2.528	7.0	20.1
1 6	5 7.24	+33 37.3	1.620	2.527	10.8	20.3
1 16	5 1.03	+33 6.0	1.688	2.526	14.3	20.6

327731 2006 SE_{283} 12 14.8 64°.85 4°.9/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.46	+13 29.4	1.322	2.132	19.6	20.3
11 17	5 56.03	+12 57.0	1.263	2.146	15.6	20.1
11 27	5 48.31	+12 32.7	1.223	2.160	11.0	19.9
12 7	5 38.24	+12 19.1	1.207	2.175	6.5	19.7
12 17	5 27.18	+12 18.1	1.216	2.189	5.1	19.7
12 27	5 16.76	+12 30.2	1.252	2.204	8.4	19.9
1 6	5 8.40	+12 54.5	1.312	2.219	12.8	20.2
1 16	5 3.02	+13 29.0	1.394	2.234	16.7	20.5

334074 2001 QO_{6} 12 14.8 35°.96 3°.6/15.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.32	+31 4.1	1.134	1.956	21.4	20.0
11 17	5 57.57	+31 16.4	1.084	1.975	16.9	19.8
11 27	5 49.70	+31 18.6	1.053	1.994	11.7	19.5
12 7	5 38.91	+31 6.5	1.043	2.015	6.3	19.3
12 17	5 27.02	+30 38.6	1.057	2.037	3.7	19.2
12 27	5 16.19	+29 57.8	1.097	2.059	7.8	19.5
1 6	5 8.11	+29 10.5	1.160	2.082	12.6	19.9
1 16	5 3.71	+28 23.4	1.245	2.106	16.9	20.2

184433 2005 NT_{20} 12 14.8 148°.31 1°.8/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.97	+28 0.9	1.920	2.699	15.5	21.1
11 17	5 58.91	+28 13.9	1.842	2.710	12.2	20.9
11 27	5 49.98	+28 22.5	1.786	2.720	8.3	20.7
12 7	5 38.95	+28 23.8	1.756	2.729	4.1	20.5
12 17	5 26.98	+28 16.1	1.756	2.737	2.0	20.3
12 27	5 15.46	+28 0.1	1.786	2.745	5.7	20.6
1 6	5 5.67	+27 38.5	1.845	2.752	9.7	20.9
1 16	4 58.47	+27 15.0	1.928	2.758	13.2	21.1

108478 2001 KT_{58} 12 14.8 161°.06 3°.2/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.17	+14 46.0	1.793	2.580	16.1	20.2
11 17	5 55.97	+14 36.2	1.713	2.585	12.7	20.0
11 27	5 48.05	+14 32.3	1.655	2.589	8.8	19.8
12 7	5 38.11	+14 34.9	1.623	2.593	4.9	19.5
12 17	5 27.20	+14 44.6	1.619	2.596	3.4	19.5
12 27	5 16.63	+15 1.4	1.645	2.599	6.7	19.7
1 6	5 7.58	+15 24.9	1.698	2.601	10.6	19.9
1 16	5 0.94	+15 54.4	1.775	2.603	14.2	20.1

418840 2008 WX_{33} 12 14.8 129°.13 3°.3/13.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.32	+14 30.5	2.678	3.452	11.7	21.7
11 17	5 50.43	+13 38.6	2.598	3.461	9.2	21.6
11 27	5 43.83	+12 48.7	2.542	3.470	6.5	21.4
12 7	5 36.06	+12 3.0	2.515	3.478	4.0	21.3
12 17	5 27.80	+11 23.4	2.518	3.486	3.4	21.2
12 27	5 19.81	+10 52.0	2.552	3.494	5.4	21.4
1 6	5 12.82	+10 29.8	2.615	3.501	8.1	21.6
1 16	5 7.36	+10 17.1	2.704	3.508	10.5	21.8

89360 2001 VM_{80} 12 14.8 165°.05 1°.0/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.72	+26 50.8	2.037	2.825	14.4	19.9
11 17	5 53.94	+26 44.8	1.952	2.826	11.3	19.7
11 27	5 46.62	+26 34.4	1.889	2.827	7.6	19.5
12 7	5 37.44	+26 18.4	1.852	2.827	3.6	19.2
12 17	5 27.40	+25 56.5	1.845	2.827	1.3	19.1
12 27	5 17.70	+25 29.8	1.867	2.828	5.2	19.3
1 6	5 9.45	+25 1.0	1.917	2.828	9.1	19.6
1 16	5 3.45	+24 33.1	1.993	2.828	12.5	19.8

344615 2003 FY_{7} 12 14.8 325°.83 23°.2/11.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.45	−17 1.8	1.109	1.846	26.8	20.2
11 17	5 54.47	−19 54.0	1.065	1.841	25.3	20.0
11 27	5 47.76	−22 10.0	1.034	1.837	24.0	19.9
12 7	5 38.19	−23 34.2	1.017	1.833	23.3	19.9
12 17	5 27.18	−23 55.3	1.014	1.830	23.3	19.8
12 27	5 16.61	−23 9.9	1.026	1.827	24.1	19.9
1 6	5 8.22	−21 24.5	1.052	1.824	25.4	20.0
1 16	5 3.15	−18 51.6	1.091	1.822	27.0	20.1

443814 1999 TW_{81} 12 14.8 93°.17 3°.6/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.16	+15 16.1	1.757	2.553	16.0	21.9
11 17	5 53.63	+14 43.9	1.682	2.558	12.7	21.7
11 27	5 46.46	+14 15.7	1.628	2.563	8.8	21.5
12 7	5 37.38	+13 53.6	1.599	2.568	5.1	21.3
12 17	5 27.44	+13 39.2	1.599	2.573	3.8	21.2
12 27	5 17.87	+13 33.9	1.626	2.578	6.9	21.4
1 6	5 9.83	+13 38.2	1.681	2.583	10.7	21.7
1 16	5 4.13	+13 51.8	1.759	2.588	14.2	21.9

452722 2005 YE_{253} 12 14.8 278°.06 3°.5/15.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.30	+34 6.3	2.205	2.979	13.9	21.6
11 17	5 54.44	+34 15.9	2.114	2.975	11.1	21.4
11 27	5 46.98	+34 17.1	2.046	2.971	8.0	21.2
12 7	5 37.62	+34 7.0	2.004	2.967	4.9	21.0
12 17	5 27.36	+33 44.0	1.991	2.963	3.5	20.9
12 27	5 17.43	+33 8.8	2.007	2.959	5.7	21.0
1 6	5 8.95	+32 24.9	2.051	2.955	9.0	21.2
1 16	5 2.75	+31 36.6	2.121	2.952	12.1	21.4

266054 2006 QW_{50} 12 14.8 62°.57 1°.4/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.44	+20 55.4	1.251	2.065	20.2	20.3
11 17	5 58.48	+20 42.1	1.200	2.089	15.7	20.1
11 27	5 49.95	+20 29.7	1.168	2.112	10.5	19.8
12 7	5 38.95	+20 18.0	1.160	2.136	4.8	19.6
12 17	5 27.05	+20 7.3	1.178	2.160	1.9	19.5
12 27	5 16.06	+19 58.9	1.222	2.185	7.1	19.9
1 6	5 7.45	+19 54.6	1.292	2.209	12.1	20.2
1 16	5 2.10	+19 55.9	1.384	2.233	16.3	20.5

283779 2003 QA_{10} 12 14.8 107°.04 1°.2/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.47	+25 19.8	1.981	2.763	15.0	21.3
11 17	5 57.51	+25 44.4	1.913	2.784	11.7	21.1
11 27	5 48.91	+26 7.2	1.868	2.804	7.8	21.0
12 7	5 38.44	+26 25.7	1.850	2.825	3.7	20.7
12 17	5 27.17	+26 37.9	1.862	2.844	1.5	20.6
12 27	5 16.39	+26 43.6	1.904	2.863	5.3	20.9
1 6	5 7.22	+26 44.4	1.974	2.882	9.1	21.2
1 16	5 0.47	+26 42.6	2.070	2.900	12.4	21.4

103053 1999 XH_{134} 12 14.8 55°.66 7°.6/16.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 10.79	+37 54.7	1.213	2.007	21.9	18.6
11 17	6 4.99	+38 56.3	1.173	2.039	17.8	18.4
11 27	5 54.63	+39 41.9	1.152	2.072	13.2	18.3
12 7	5 41.09	+40 2.8	1.152	2.105	9.2	18.1
12 17	5 26.49	+39 53.9	1.177	2.138	7.6	18.2
12 27	5 13.29	+39 17.6	1.227	2.171	9.7	18.4
1 6	5 3.35	+38 22.7	1.302	2.204	13.2	18.7
1 16	4 57.57	+37 19.4	1.398	2.237	16.7	19.0

423092 2003 YW_{112} 12 14.8 306°.07 5°.1/16.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.12	+41 13.2	2.259	3.009	14.3	20.3
11 17	5 57.51	+40 59.5	2.155	2.994	11.8	20.1
11 27	5 49.06	+40 30.8	2.073	2.979	9.0	19.9
12 7	5 38.55	+39 43.2	2.017	2.965	6.4	19.7
12 17	5 27.14	+38 35.4	1.990	2.950	5.1	19.6
12 27	5 16.19	+37 9.3	1.993	2.936	6.6	19.6
1 6	5 6.96	+35 30.9	2.024	2.922	9.5	19.8
1 16	5 0.28	+33 47.3	2.083	2.908	12.5	20.0

20164 Janzajíc 12 14.8 146°.36 2°.7/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 2.65	+17 48.3	1.726	2.516	16.5	19.2
11 17	5 57.16	+17 20.7	1.650	2.525	13.0	19.0
11 27	5 48.83	+16 55.1	1.597	2.533	8.9	18.7
12 7	5 38.45	+16 32.6	1.569	2.541	4.6	18.5
12 17	5 27.17	+16 14.5	1.570	2.548	2.9	18.4
12 27	5 16.34	+16 2.4	1.600	2.555	6.6	18.7
1 6	5 7.19	+15 57.3	1.657	2.561	10.8	18.9
1 16	5 0.60	+16 0.1	1.738	2.566	14.4	19.2

480842 2000 CO_{13} 12 14.8 330°.00 8°.5/14.6 17

11 7	5 53.53	+ 4 57.7	1.447	2.247	18.7	20.5
11 17	5 50.79	+ 4 19.2	1.361	2.229	15.6	20.3
11 27	5 45.06	+ 3 55.6	1.294	2.213	12.3	20.0
12 7	5 36.97	+ 3 52.5	1.249	2.197	9.4	19.8
12 17	5 27.54	+ 4 13.8	1.228	2.181	8.6	19.7
12 27	5 18.22	+ 5 0.3	1.232	2.167	10.7	19.8
1 6	5 10.42	+ 6 9.2	1.260	2.154	14.3	20.0
1 16	5 5.23	+ 7 35.1	1.309	2.142	18.0	20.2

12260 1989 SP_{11} 12 14.8 65°.92 0°.3/14.9 18

11 7	5 57.85	+24 20.9	2.008	2.800	14.4	18.0
11 17	5 53.16	+24 20.9	1.935	2.812	11.2	17.8
11 27	5 46.03	+24 18.9	1.884	2.823	7.5	17.6
12 7	5 37.16	+24 13.9	1.859	2.835	3.4	17.3
12 17	5 27.54	+24 5.6	1.863	2.847	1.0	17.2
12 27	5 18.32	+23 54.7	1.897	2.859	5.1	17.5
1 6	5 10.54	+23 42.8	1.959	2.870	8.9	17.8
1 16	5 4.96	+23 32.0	2.046	2.882	12.2	18.0

212260 2005 JG_{111} 12 14.9 177°.90 1°.4/14.9 18

11 7	6 1.15	+25 27.1	2.329	3.105	13.2	21.0
11 17	5 55.61	+26 3.0	2.240	3.107	10.3	20.8
11 27	5 47.69	+26 38.2	2.174	3.108	7.0	20.6
12 7	5 37.96	+27 10.3	2.135	3.109	3.4	20.3
12 17	5 27.30	+27 36.7	2.127	3.109	1.6	20.2
12 27	5 16.83	+27 56.6	2.151	3.109	4.9	20.4
1 6	5 7.58	+28 10.2	2.203	3.108	8.4	20.7
1 16	5 0.38	+28 19.5	2.282	3.107	11.6	20.9

144654 2004 FV_{108} 12 14.9 46°.56 3°.1/15.1 18

11 7	6 0.03	+30 9.2	1.851	2.641	15.6	20.2
11 17	5 55.41	+30 43.6	1.772	2.644	12.3	20.0
11 27	5 47.85	+31 13.3	1.715	2.648	8.6	19.8
12 7	5 38.10	+31 34.5	1.683	2.652	4.8	19.6
12 17	5 27.27	+31 44.3	1.680	2.657	3.2	19.5
12 27	5 16.79	+31 42.1	1.705	2.661	6.2	19.7
1 6	5 7.97	+31 30.3	1.757	2.665	10.0	19.9
1 16	5 1.76	+31 12.7	1.834	2.670	13.4	20.1

451278 2010 RQ_{98} 12 14.9 73°.27 0°.6/14.9 18

11 7	5 58.65	+25 33.5	1.937	2.729	14.9	21.6
11 17	5 53.93	+25 28.8	1.860	2.737	11.6	21.4
11 27	5 46.62	+25 20.9	1.806	2.745	7.8	21.2
12 7	5 37.46	+25 8.6	1.777	2.753	3.6	21.0
12 17	5 27.47	+24 51.6	1.777	2.761	1.1	20.8
12 27	5 17.90	+24 31.1	1.807	2.769	5.3	21.1
1 6	5 9.85	+24 9.4	1.864	2.776	9.3	21.4
1 16	5 4.11	+23 49.2	1.947	2.784	12.7	21.6

266022 2006 FM_{11} 12 14.9 186°.39 1°.3/15.0 18

11 7	5 57.05	+27 18.4	2.859	3.631	11.1	21.4
11 17	5 51.99	+27 34.3	2.766	3.631	8.7	21.2
11 27	5 45.03	+27 47.6	2.697	3.630	5.9	21.0
12 7	5 36.70	+27 56.6	2.656	3.629	2.9	20.8
12 17	5 27.69	+28 0.5	2.646	3.627	1.4	20.7
12 27	5 18.85	+27 59.1	2.668	3.626	4.1	20.9
1 6	5 11.00	+27 53.4	2.719	3.623	7.0	21.1
1 16	5 4.76	+27 45.3	2.797	3.621	9.7	21.3

329569 2002 VP_{57} 12 14.9 61°.12 0°.7/14.8 18

11 7	6 4.19	+20 34.9	1.287	2.098	20.0	20.5
11 17	5 59.01	+20 49.9	1.238	2.125	15.5	20.3
11 27	5 50.30	+21 7.6	1.208	2.152	10.3	20.0
12 7	5 39.13	+21 26.0	1.203	2.179	4.6	19.8
12 17	5 27.06	+21 43.1	1.223	2.207	1.4	19.6
12 27	5 15.87	+21 58.6	1.271	2.234	6.8	20.1
1 6	5 7.03	+22 13.3	1.345	2.261	11.7	20.4
1 16	5 1.43	+22 28.5	1.441	2.288	15.8	20.8

470160 2006 UV_{126} 12 14.9 20°.21 0°.6/14.9 16

11 7	5 57.31	+25 23.8	1.052	1.890	21.6	21.0
11 17	5 54.72	+25 14.8	0.995	1.897	17.0	20.8
11 27	5 48.03	+25 1.3	0.955	1.905	11.4	20.5
12 7	5 38.31	+24 42.0	0.937	1.914	5.2	20.2
12 17	5 27.27	+24 16.8	0.941	1.925	1.5	20.0
12 27	5 17.03	+23 48.3	0.971	1.937	7.7	20.4
1 6	5 9.37	+23 20.8	1.023	1.950	13.3	20.8
1 16	5 5.37	+22 58.4	1.095	1.964	18.1	21.1

485561 2011 UW_{162} 12 14.9 346°.85 6°.1/13.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 54.23	+14 13.1	1.459	2.273	17.8	20.6
11 17	5 51.17	+12 46.3	1.380	2.266	14.3	20.4
11 27	5 45.14	+11 20.8	1.323	2.259	10.4	20.1
12 7	5 36.92	+10 2.3	1.289	2.253	7.0	19.9
12 17	5 27.64	+ 8 56.8	1.282	2.248	6.4	19.9
12 27	5 18.71	+ 8 9.5	1.300	2.243	9.3	20.0
1 6	5 11.46	+ 7 42.8	1.343	2.240	13.3	20.3
1 16	5 6.81	+ 7 36.3	1.407	2.238	17.0	20.5

60475 2000 DC_{36} 12 14.9 28°.62 0°.5/14.8 17

11 7	5 55.80	+21 56.4	2.110	2.903	13.8	19.4
11 17	5 51.52	+21 52.6	2.029	2.907	10.8	19.2
11 27	5 44.95	+21 48.6	1.970	2.910	7.2	19.0
12 7	5 36.72	+21 44.0	1.938	2.914	3.3	18.8
12 17	5 27.71	+21 38.6	1.934	2.917	1.1	18.6
12 27	5 19.00	+21 33.1	1.960	2.921	5.0	18.9
1 6	5 11.56	+21 28.6	2.015	2.926	8.7	19.1
1 16	5 6.14	+21 26.4	2.094	2.930	12.0	19.4

161242 2003 BK_{13} 12 14.9 343°.27 8°.6/13.9 18

11 7	5 54.73	+ 7 58.1	1.294	2.107	19.8	19.4
11 17	5 51.90	+ 6 46.1	1.221	2.100	16.3	19.1
11 27	5 45.84	+ 5 44.7	1.168	2.093	12.6	18.9
12 7	5 37.31	+ 5 0.6	1.136	2.088	9.4	18.7
12 17	5 27.54	+ 4 39.6	1.127	2.083	8.8	18.7
12 27	5 18.10	+ 4 44.7	1.143	2.079	11.3	18.8
1 6	5 10.46	+ 5 14.5	1.182	2.076	15.0	19.0
1 16	5 5.69	+ 6 5.1	1.240	2.073	18.8	19.2

100627 1997 UD_{3} 12 14.9 41°.57 4°.0/14.2 18

11 7	5 56.96	+15 52.5	1.596	2.401	17.0	19.1
11 17	5 52.82	+15 2.3	1.532	2.414	13.4	18.9
11 27	5 45.96	+14 15.5	1.489	2.427	9.3	18.7
12 7	5 37.18	+13 34.9	1.471	2.440	5.4	18.5
12 17	5 27.61	+13 3.3	1.480	2.454	4.3	18.5
12 27	5 18.58	+12 43.1	1.517	2.469	7.3	18.7
1 6	5 11.23	+12 35.1	1.579	2.483	11.2	19.0
1 16	5 6.33	+12 39.1	1.665	2.498	14.7	19.2

497140 2004 RQ_{19} 12 14.9 88°.13 0°.6/14.8 18

11 7	6 3.04	+21 54.1	1.688	2.481	16.7	21.8
11 17	5 57.44	+21 53.6	1.627	2.504	13.0	21.6
11 27	5 48.97	+21 53.1	1.587	2.527	8.6	21.4
12 7	5 38.52	+21 51.6	1.573	2.549	3.9	21.2
12 17	5 27.28	+21 48.6	1.588	2.571	1.2	21.0
12 27	5 16.68	+21 44.7	1.632	2.593	5.8	21.4
1 6	5 7.90	+21 41.5	1.703	2.614	10.1	21.7
1 16	5 1.76	+21 40.7	1.799	2.635	13.7	22.0

292882 2006 VN_{24} 12 14.9 43°.51 0°.5/14.8 18

11 7	5 57.89	+21 44.4	1.785	2.585	15.7	20.8
11 17	5 53.56	+21 49.2	1.709	2.591	12.2	20.6
11 27	5 46.52	+21 54.6	1.656	2.597	8.2	20.3
12 7	5 37.49	+21 59.7	1.628	2.604	3.7	20.1
12 17	5 27.55	+22 3.8	1.627	2.611	1.1	19.9
12 27	5 17.97	+22 7.1	1.656	2.618	5.6	20.2
1 6	5 9.94	+22 10.5	1.711	2.625	9.9	20.5
1 16	5 4.32	+22 15.4	1.791	2.632	13.5	20.7

308917 2006 SH_{296} 12 14.9 213°.08 1°.3/14.7 18

11 7	5 58.42	+20 21.6	2.161	2.947	13.7	21.5
11 17	5 53.55	+20 7.6	2.069	2.942	10.8	21.3
11 27	5 46.33	+19 53.6	1.999	2.937	7.3	21.1
12 7	5 37.38	+19 39.9	1.957	2.932	3.4	20.8
12 17	5 27.58	+19 26.9	1.944	2.926	1.6	20.7
12 27	5 17.99	+19 15.5	1.962	2.920	5.3	20.9
1 6	5 9.65	+19 7.1	2.008	2.914	9.0	21.1
1 16	5 3.33	+19 2.8	2.079	2.907	12.4	21.3

34579 2000 SR_{339} 12 14.9 174°.96 6°.0/15.5 18

11 7	6 4.02	+40 58.1	2.462	3.205	13.4	19.8
11 17	5 58.22	+41 53.0	2.376	3.207	11.2	19.6
11 27	5 49.63	+42 38.2	2.314	3.208	8.8	19.4
12 7	5 38.93	+43 8.5	2.277	3.209	6.7	19.3
12 17	5 27.15	+43 20.0	2.268	3.210	6.1	19.3
12 27	5 15.63	+43 11.9	2.289	3.210	7.2	19.4
1 6	5 5.61	+42 46.6	2.337	3.210	9.4	19.5
1 16	4 58.03	+42 9.2	2.410	3.210	11.8	19.7

520856 2014 UO_{240} 12 14.9 100°.54 3°.2/14.7 18

11 7	5 56.35	+12 28.9	2.483	3.256	12.5	21.8
11 17	5 51.39	+12 21.2	2.411	3.273	9.9	21.6
11 27	5 44.58	+12 19.2	2.363	3.290	7.0	21.5
12 7	5 36.50	+12 23.7	2.342	3.306	4.2	21.3
12 17	5 27.87	+12 35.0	2.351	3.323	3.3	21.3
12 27	5 19.53	+12 53.2	2.391	3.338	5.3	21.4
1 6	5 12.26	+13 17.5	2.459	3.354	8.1	21.7
1 16	5 6.65	+13 47.1	2.554	3.369	10.8	21.9

450668 2006 US_{270} 12 14.9 66°.51 0°.5/14.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 58.34	+22 13.5	1.860	2.656	15.3	21.7
11 17	5 53.76	+22 10.4	1.785	2.664	11.9	21.5
11 27	5 46.57	+22 6.9	1.732	2.673	8.0	21.3
12 7	5 37.51	+22 2.4	1.705	2.681	3.6	21.0
12 17	5 27.59	+21 56.6	1.707	2.690	1.1	20.9
12 27	5 18.07	+21 50.3	1.737	2.699	5.5	21.2
1 6	5 10.06	+21 44.8	1.796	2.708	9.6	21.5
1 16	5 4.39	+21 41.8	1.878	2.717	13.1	21.7

154707 2004 JR_{25} 12 14.9 165°.32 1°.4/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.24	+25 21.1	1.808	2.597	15.9	20.9
11 17	5 57.91	+25 52.2	1.726	2.600	12.5	20.7
11 27	5 49.57	+26 22.6	1.666	2.603	8.5	20.5
12 7	5 38.95	+26 49.0	1.631	2.606	4.1	20.2
12 17	5 27.18	+27 8.6	1.626	2.608	1.8	20.1
12 27	5 15.70	+27 20.6	1.650	2.610	5.9	20.3
1 6	5 5.89	+27 26.0	1.701	2.611	10.2	20.6
1 16	4 58.73	+27 27.7	1.778	2.612	13.9	20.8

291313 2006 BV_{158} 12 14.9 353°.46 1°.1/14.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.84	+19 55.2	2.047	2.841	14.1	21.2
11 17	5 51.68	+19 55.2	1.962	2.840	11.0	21.0
11 27	5 45.15	+19 56.8	1.899	2.839	7.4	20.8
12 7	5 36.89	+19 59.9	1.863	2.838	3.5	20.6
12 17	5 27.76	+20 4.1	1.855	2.837	1.5	20.4
12 27	5 18.87	+20 9.6	1.877	2.837	5.3	20.7
1 6	5 11.26	+20 17.1	1.926	2.837	9.1	20.9
1 16	5 5.69	+20 27.2	2.000	2.837	12.5	21.1

290586 2005 UU_{155} 12 14.9 77°.27 1°.9/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.23	+16 53.8	2.034	2.819	14.5	20.0
11 17	5 54.02	+17 2.2	1.970	2.842	11.3	19.8
11 27	5 46.52	+17 14.8	1.928	2.864	7.6	19.7
12 7	5 37.41	+17 31.2	1.913	2.886	3.8	19.5
12 17	5 27.64	+17 50.7	1.928	2.908	2.1	19.4
12 27	5 18.30	+18 12.9	1.972	2.930	5.3	19.6
1 6	5 10.36	+18 37.3	2.045	2.952	8.9	19.9
1 16	5 4.51	+19 3.9	2.144	2.973	12.0	20.1

289505 2005 ES_{137} 12 14.9 295°.37 2°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.61	+17 47.4	1.355	2.169	19.0	20.7
11 17	5 56.03	+17 53.8	1.269	2.157	15.1	20.4
11 27	5 48.88	+18 6.4	1.201	2.144	10.4	20.1
12 7	5 38.86	+18 25.1	1.157	2.132	5.1	19.8
12 17	5 27.19	+18 48.8	1.138	2.120	2.5	19.6
12 27	5 15.64	+19 16.6	1.147	2.109	7.5	19.9
1 6	5 5.96	+19 47.9	1.179	2.097	12.9	20.1
1 16	4 59.42	+20 22.5	1.234	2.086	17.7	20.4

222547 2001 VX_{2} 12 14.9 20°.11 16°.2/11.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 16.31	+40 4.6	0.993	1.794	25.3	19.4
11 17	6 13.28	+44 15.1	0.937	1.796	21.8	19.2
11 27	6 3.44	+48 24.1	0.900	1.799	18.5	19.0
12 7	5 46.69	+52 4.7	0.885	1.802	16.4	18.9
12 17	5 24.83	+54 48.7	0.893	1.806	16.6	18.9
12 27	5 2.21	+56 21.3	0.922	1.811	18.7	19.1
1 6	4 43.84	+56 49.2	0.969	1.816	21.7	19.3
1 16	4 32.95	+56 32.0	1.032	1.822	24.7	19.5

374724 2006 SX_{49} 12 14.9 32°.86 0°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.42	+24 4.0	1.002	1.841	22.4	20.5
11 17	5 56.33	+24 9.1	0.956	1.858	17.5	20.3
11 27	5 49.04	+24 12.5	0.926	1.876	11.7	20.0
12 7	5 38.76	+24 12.1	0.918	1.896	5.3	19.7
12 17	5 27.30	+24 6.8	0.933	1.916	1.4	19.6
12 27	5 16.84	+23 57.7	0.972	1.938	7.7	20.0
1 6	5 9.14	+23 48.1	1.034	1.961	13.3	20.4
1 16	5 5.15	+23 41.0	1.117	1.985	17.9	20.8

56488 2000 GQ_{131} 12 14.9 95°.81 3°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.49	+15 18.1	1.660	2.452	16.9	19.1
11 17	5 56.29	+15 10.7	1.594	2.469	13.3	18.9
11 27	5 48.29	+15 9.2	1.549	2.485	9.2	18.7
12 7	5 38.28	+15 14.3	1.530	2.501	4.9	18.5
12 17	5 27.41	+15 25.9	1.539	2.517	3.3	18.5
12 27	5 17.05	+15 44.1	1.576	2.532	6.7	18.7
1 6	5 8.40	+16 8.2	1.641	2.547	10.7	19.0
1 16	5 2.29	+16 37.5	1.729	2.562	14.3	19.2

330486 2007 GV_{44} 12 14.9 128°.67 3°.5/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.37	+13 41.7	2.408	3.187	12.7	21.7
11 17	5 50.77	+13 6.5	2.327	3.193	10.1	21.5
11 27	5 44.25	+12 35.0	2.270	3.199	7.1	21.3
12 7	5 36.39	+12 8.9	2.241	3.204	4.4	21.2
12 17	5 27.93	+11 49.9	2.240	3.210	3.6	21.1
12 27	5 19.73	+11 39.3	2.270	3.215	5.8	21.3
1 6	5 12.60	+11 37.4	2.328	3.220	8.6	21.5
1 16	5 7.16	+11 44.1	2.411	3.225	11.4	21.7

206427 2003 SZ_{168} 12 14.9 24°.08 7°.3/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 56.14	+ 6 25.7	1.310	2.116	20.0	19.5
11 17	5 52.77	+ 6 9.5	1.251	2.125	16.3	19.3
11 27	5 46.26	+ 6 10.5	1.211	2.136	12.2	19.1
12 7	5 37.46	+ 6 32.1	1.192	2.148	8.6	18.9
12 17	5 27.64	+ 7 15.1	1.198	2.160	7.4	18.9
12 27	5 18.33	+ 8 17.6	1.230	2.174	9.6	19.1
1 6	5 10.90	+ 9 34.7	1.285	2.189	13.3	19.3
1 16	5 6.26	+11 1.0	1.363	2.204	16.9	19.6

176638 2002 MA_{2} 12 14.9 108°.01 0°.2/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.52	+24 10.3	1.677	2.466	17.0	21.1
11 17	5 59.41	+23 55.0	1.612	2.487	13.2	20.9
11 27	5 50.32	+23 36.7	1.569	2.508	8.8	20.7
12 7	5 39.16	+23 14.6	1.552	2.528	3.9	20.4
12 17	5 27.21	+22 48.9	1.564	2.548	1.1	20.3
12 27	5 15.96	+22 21.6	1.606	2.567	5.9	20.6
1 6	5 6.65	+21 55.6	1.675	2.585	10.3	20.9
1 16	5 0.11	+21 33.9	1.768	2.602	14.0	21.2

485008 2009 VR_{92} 12 14.9 57°.08 2°.9/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.96	+26 9.4	2.005	2.782	15.0	20.3
11 17	5 58.99	+27 42.9	1.936	2.803	11.7	20.1
11 27	5 50.17	+29 17.3	1.892	2.824	8.1	19.9
12 7	5 39.21	+30 46.6	1.876	2.845	4.4	19.7
12 17	5 27.17	+32 5.0	1.890	2.866	3.1	19.7
12 27	5 15.39	+33 9.0	1.936	2.887	6.0	19.9
1 6	5 5.17	+33 58.3	2.010	2.909	9.5	20.2
1 16	4 57.45	+34 35.1	2.111	2.930	12.6	20.4

385224 2000 FE_{10} 12 14.9 255°.28 1°.6/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.91	+26 36.3	1.734	2.527	16.3	22.4
11 17	5 57.25	+26 54.2	1.637	2.514	12.9	22.1
11 27	5 49.40	+27 9.6	1.562	2.500	8.9	21.9
12 7	5 39.01	+27 19.7	1.512	2.486	4.3	21.6
12 17	5 27.20	+27 21.9	1.489	2.471	1.9	21.4
12 27	5 15.52	+27 15.9	1.496	2.457	6.3	21.6
1 6	5 5.47	+27 3.7	1.529	2.441	10.9	21.8
1 16	4 58.19	+26 49.0	1.587	2.426	15.0	22.1

455485 2003 UZ_{295} 12 14.9 67°.35 4°.3/15.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.77	+34 50.8	2.243	3.014	13.8	21.3
11 17	5 54.86	+35 31.5	2.162	3.019	11.1	21.2
11 27	5 47.34	+36 5.0	2.105	3.024	8.1	21.0
12 7	5 37.91	+36 27.4	2.073	3.030	5.4	20.8
12 17	5 27.54	+36 35.9	2.070	3.036	4.3	20.8
12 27	5 17.47	+36 29.9	2.096	3.041	6.2	20.9
1 6	5 8.85	+36 11.9	2.150	3.047	9.0	21.1
1 16	5 2.52	+35 45.7	2.229	3.053	11.8	21.3

373866 2003 SX_{23} 12 14.9 112°.26 1°.3/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.55	+20 29.5	1.563	2.358	17.7	21.8
11 17	5 58.91	+20 21.7	1.497	2.375	13.8	21.5
11 27	5 50.15	+20 14.9	1.452	2.391	9.3	21.3
12 7	5 39.16	+20 8.6	1.432	2.407	4.3	21.1
12 17	5 27.23	+20 2.8	1.440	2.423	1.7	20.9
12 27	5 15.91	+19 58.3	1.477	2.437	6.4	21.3
1 6	5 6.55	+19 56.4	1.541	2.452	11.0	21.6
1 16	5 0.04	+19 58.7	1.629	2.465	14.8	21.8

149592 2004 CU_{51} 12 14.9 30°.32 20°.6/23.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.75	−18 9.6	0.953	1.702	29.5	18.3
11 17	5 54.42	−19 21.2	0.934	1.727	26.9	18.2
11 27	5 47.36	−19 43.1	0.926	1.754	24.3	18.2
12 7	5 37.86	−19 5.9	0.931	1.783	22.1	18.2
12 17	5 27.62	−17 27.7	0.951	1.813	20.8	18.2
12 27	5 18.50	−14 55.2	0.989	1.845	20.6	18.3
1 6	5 11.92	−11 43.8	1.046	1.878	21.5	18.5
1 16	5 8.63	− 8 11.1	1.120	1.912	23.0	18.7

119171 2001 QH_{49} 12 14.9 244°.01 4°.0/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.32	+13 59.6	1.639	2.436	17.0	19.9
11 17	5 54.95	+13 38.6	1.555	2.431	13.5	19.7
11 27	5 47.66	+13 23.8	1.491	2.425	9.6	19.4
12 7	5 38.14	+13 17.1	1.452	2.420	5.6	19.2
12 17	5 27.47	+13 19.7	1.440	2.414	4.2	19.1
12 27	5 17.05	+13 32.5	1.456	2.409	7.5	19.3
1 6	5 8.18	+13 55.1	1.498	2.403	11.7	19.5
1 16	5 1.87	+14 26.5	1.564	2.397	15.5	19.7

369194 2008 TV_{60} 12 14.9 181°.72 1°.4/14.6 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.28	+19 37.0	2.570	3.352	11.9	21.2
11 17	5 50.70	+19 18.6	2.481	3.352	9.3	21.0
11 27	5 44.23	+19 0.5	2.416	3.352	6.3	20.8
12 7	5 36.41	+18 43.3	2.379	3.352	3.0	20.6
12 17	5 27.96	+18 27.4	2.371	3.352	1.6	20.5
12 27	5 19.73	+18 14.0	2.395	3.352	4.6	20.7
1 6	5 12.52	+18 4.0	2.447	3.351	7.7	20.9
1 16	5 6.95	+17 58.4	2.526	3.350	10.6	21.1

517347 2014 JS_{71} 12 14.9 302.°56 5.°5/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.49	+33 5.0	1.737	2.521	16.6	20.5
11 17	5 58.81	+34 25.4	1.652	2.517	13.5	20.3
11 27	5 50.64	+35 42.3	1.589	2.513	9.9	20.1
12 7	5 39.65	+36 48.5	1.551	2.510	6.7	19.9
12 17	5 27.04	+37 37.3	1.541	2.506	5.6	19.8
12 27	5 14.55	+38 5.4	1.558	2.502	8.0	19.9
1 6	5 3.86	+38 14.1	1.602	2.498	11.6	20.1
1 16	4 56.24	+38 8.4	1.670	2.495	15.1	20.3

337227 2000 EH_{160} 12 14.9 211.°29 3.°8/15.4 18

11 7	6 4.68	+32 58.7	1.892	2.668	15.8	21.7
11 17	5 59.20	+33 21.5	1.801	2.663	12.7	21.5
11 27	5 50.55	+33 36.7	1.731	2.657	9.1	21.2
12 7	5 39.46	+33 40.0	1.687	2.651	5.4	21.0
12 17	5 27.13	+33 28.3	1.671	2.644	3.9	20.9
12 27	5 15.11	+33 1.8	1.684	2.637	6.6	21.0
1 6	5 4.83	+32 24.1	1.725	2.629	10.4	21.2
1 16	4 57.36	+31 40.6	1.790	2.621	14.0	21.5

401289 2012 DB_{55} 12 14.9 114.°70 5.°6/14.9 18

11 7	5 57.32	+ 5 27.3	2.260	3.021	14.0	21.0
11 17	5 52.34	+ 5 10.9	2.187	3.033	11.4	20.8
11 27	5 45.33	+ 5 5.2	2.137	3.045	8.7	20.7
12 7	5 36.91	+ 5 12.5	2.112	3.056	6.4	20.5
12 17	5 27.86	+ 5 33.7	2.116	3.067	5.7	20.5
12 27	5 19.09	+ 6 8.4	2.149	3.078	7.2	20.6
1 6	5 11.47	+ 6 55.0	2.211	3.088	9.7	20.8
1 16	5 5.63	+ 7 50.7	2.297	3.099	12.3	21.0

190973 2001 XR_{77} 12 14.9 341.°08 1.°8/14.8 18

11 7	6 0.72	+19 20.1	1.279	2.096	19.7	20.6
11 17	5 56.91	+19 18.3	1.204	2.094	15.6	20.4
11 27	5 49.41	+19 20.1	1.148	2.093	10.6	20.1
12 7	5 39.06	+19 25.2	1.115	2.091	5.0	19.8
12 17	5 27.25	+19 33.1	1.108	2.090	2.2	19.6
12 27	5 15.82	+19 43.7	1.127	2.089	7.5	19.9
1 6	5 6.51	+19 57.6	1.170	2.089	12.9	20.2
1 16	5 0.48	+20 15.8	1.235	2.088	17.5	20.5

63447 2001 NG_{11} 12 14.9 79.°98 0.°4/14.8 18

11 7	6 4.77	+23 40.6	1.539	2.335	17.9	18.9
11 17	5 58.96	+23 24.2	1.483	2.362	13.9	18.7
11 27	5 50.06	+23 5.5	1.448	2.388	9.2	18.5
12 7	5 39.06	+22 43.6	1.438	2.414	4.1	18.3
12 17	5 27.32	+22 19.2	1.457	2.440	1.2	18.1
12 27	5 16.38	+21 54.2	1.504	2.465	6.1	18.5
1 6	5 7.53	+21 31.4	1.578	2.490	10.6	18.8
1 16	5 1.56	+21 13.4	1.676	2.514	14.4	19.1

63971 2001 SV_{72} 12 14.9 49.°64 3.°4/14.5 18

11 7	5 56.59	+15 1.8	1.909	2.702	15.0	19.9
11 17	5 52.29	+14 33.8	1.830	2.705	11.9	19.7
11 27	5 45.57	+14 10.0	1.774	2.708	8.3	19.5
12 7	5 37.10	+13 51.9	1.743	2.711	4.8	19.3
12 17	5 27.81	+13 41.2	1.740	2.715	3.6	19.2
12 27	5 18.83	+13 38.9	1.766	2.718	6.5	19.4
1 6	5 11.21	+13 45.4	1.819	2.722	10.1	19.6
1 16	5 5.72	+14 0.3	1.897	2.725	13.4	19.8

331709 2002 RC_{151} 12 14.9 73.°54 1.°1/15.1 17

11 7	5 57.33	+27 53.8	2.313	3.096	13.0	20.8
11 17	5 52.56	+27 44.6	2.231	3.102	10.2	20.7
11 27	5 45.59	+27 30.5	2.172	3.108	6.9	20.5
12 7	5 37.06	+27 10.7	2.140	3.114	3.3	20.2
12 17	5 27.85	+26 45.0	2.138	3.120	1.3	20.1
12 27	5 18.98	+26 14.7	2.166	3.127	4.6	20.4
1 6	5 11.40	+25 42.2	2.223	3.133	8.1	20.6
1 16	5 5.78	+25 10.4	2.306	3.139	11.1	20.8

377993 2006 RC_{39} 12 14.9 99.°83 2.°8/14.6 18 R

11 7	6 3.53	+17 30.1	1.538	2.334	17.9	21.0
11 17	5 58.05	+17 6.7	1.476	2.353	14.0	20.8
11 27	5 49.54	+16 46.5	1.434	2.372	9.5	20.6
12 7	5 38.89	+16 30.7	1.418	2.390	4.9	20.4
12 17	5 27.38	+16 20.1	1.429	2.408	3.1	20.3
12 27	5 16.51	+16 15.9	1.468	2.425	6.9	20.6
1 6	5 7.57	+16 18.8	1.535	2.442	11.2	20.9
1 16	5 1.41	+16 29.1	1.624	2.458	15.0	21.1

301309 2009 BR_{142} 12 14.9 56.°76 2.°6/14.7 15

11 7	5 58.39	+16 48.3	1.700	2.499	16.4	21.7
11 17	5 54.04	+16 38.0	1.624	2.504	12.9	21.5
11 27	5 46.93	+16 32.0	1.570	2.508	8.8	21.3
12 7	5 37.78	+16 31.0	1.540	2.513	4.6	21.0
12 17	5 27.67	+16 35.3	1.538	2.517	2.8	20.9
12 27	5 17.92	+16 45.2	1.564	2.522	6.4	21.2
1 6	5 9.73	+17 0.8	1.617	2.527	10.6	21.4
1 16	5 3.98	+17 22.0	1.694	2.532	14.3	21.7

74632 1999 RQ_{47} 12 14.9 34.°46 0.°7/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.55	+22 57.5	1.025	1.862	22.2	18.4
11 17	5 56.30	+22 43.9	0.977	1.878	17.3	18.1
11 27	5 48.99	+22 29.0	0.947	1.896	11.5	17.9
12 7	5 38.78	+22 12.3	0.937	1.915	5.2	17.6
12 17	5 27.45	+21 54.3	0.952	1.935	1.6	17.4
12 27	5 17.10	+21 37.1	0.991	1.956	7.7	17.9
1 6	5 9.41	+21 23.6	1.053	1.978	13.2	18.3
1 16	5 5.35	+21 16.2	1.135	2.001	17.8	18.6

412495 2014 JN_{60} 12 14.9 160.°39 2.°1/14.7 18

11 7	5 59.02	+16 53.5	2.389	3.165	12.9	22.1
11 17	5 53.68	+16 41.8	2.305	3.172	10.1	21.9
11 27	5 46.27	+16 32.6	2.245	3.178	6.9	21.7
12 7	5 37.38	+16 26.6	2.212	3.183	3.6	21.5
12 17	5 27.80	+16 24.0	2.210	3.188	2.3	21.4
12 27	5 18.49	+16 25.4	2.238	3.192	5.1	21.6
1 6	5 10.31	+16 31.2	2.296	3.196	8.4	21.8
1 16	5 3.96	+16 41.6	2.380	3.199	11.3	22.0

487005 2014 NF_{62} 12 14.9 187.°51 4.°3/15.8 18

11 7	6 3.39	+36 54.5	2.305	3.064	13.8	21.9
11 17	5 57.61	+37 9.3	2.215	3.063	11.2	21.8
11 27	5 49.16	+37 14.3	2.148	3.063	8.3	21.6
12 7	5 38.75	+37 5.7	2.107	3.061	5.5	21.4
12 17	5 27.43	+36 41.5	2.094	3.060	4.3	21.3
12 27	5 16.49	+36 2.5	2.112	3.058	6.1	21.4
1 6	5 7.10	+35 12.3	2.159	3.055	9.0	21.6
1 16	5 0.08	+34 15.9	2.231	3.052	11.9	21.8

478452 2012 LK 12 14.9 91.°76 3.°0/14.6 18

11 7	6 4.04	+16 56.5	1.609	2.400	17.4	21.9
11 17	5 58.19	+16 31.3	1.551	2.426	13.6	21.7
11 27	5 49.49	+16 9.8	1.516	2.452	9.3	21.5
12 7	5 38.83	+15 53.1	1.505	2.477	4.9	21.3
12 17	5 27.44	+15 42.1	1.523	2.501	3.2	21.2
12 27	5 16.75	+15 38.0	1.570	2.525	6.7	21.5
1 6	5 7.95	+15 41.2	1.643	2.548	10.8	21.8
1 16	5 1.81	+15 51.9	1.741	2.571	14.3	22.1

328040 2007 LJ_{16} 12 14.9 133.°09 4.°0/14.7 18

11 7	5 55.37	+10 51.9	2.323	3.100	13.2	20.9
11 17	5 50.93	+10 38.1	2.240	3.102	10.5	20.7
11 27	5 44.48	+10 31.2	2.179	3.103	7.6	20.5
12 7	5 36.59	+10 32.6	2.145	3.105	4.9	20.3
12 17	5 28.01	+10 43.2	2.140	3.107	4.1	20.3
12 27	5 19.64	+11 3.2	2.164	3.109	6.1	20.4
1 6	5 12.33	+11 31.8	2.217	3.110	9.0	20.6
1 16	5 6.74	+12 7.7	2.295	3.112	11.8	20.8

75300 1999 XJ_{34} 12 14.9 313.°93 5.°6/15.0 18

11 7	5 56.75	+ 8 31.4	1.671	2.462	16.9	17.8
11 17	5 52.99	+ 8 26.0	1.580	2.448	13.8	17.5
11 27	5 46.43	+ 8 33.3	1.510	2.435	10.2	17.3
12 7	5 37.67	+ 8 55.8	1.463	2.422	6.9	17.1
12 17	5 27.69	+ 9 34.5	1.443	2.409	5.7	17.0
12 27	5 17.79	+10 28.6	1.450	2.397	8.2	17.1
1 6	5 9.27	+11 35.2	1.484	2.385	12.0	17.3
1 16	5 3.15	+12 50.8	1.541	2.374	15.7	17.5

332514 2008 GX_{143} 12 14.9 140.°56 1.°9/14.6 18

11 7	6 2.24	+20 4.8	1.726	2.519	16.4	22.0
11 17	5 56.94	+19 36.0	1.650	2.527	12.9	21.8
11 27	5 48.80	+19 7.1	1.596	2.535	8.7	21.5
12 7	5 38.60	+18 38.7	1.568	2.542	4.2	21.3
12 17	5 27.49	+18 12.2	1.568	2.549	2.2	21.2
12 27	5 16.85	+17 49.6	1.597	2.555	6.3	21.4
1 6	5 7.90	+17 32.7	1.654	2.561	10.6	21.7
1 16	5 1.51	+17 23.1	1.735	2.567	14.3	22.0

405030 2001 RD_{9} 12 14.9 61.°64 2.°5/14.1 16

11 7	6 2.76	+22 36.5	1.773	2.564	16.1	20.0
11 17	5 56.96	+21 4.3	1.705	2.581	12.6	19.8
11 27	5 48.53	+19 26.4	1.659	2.598	8.4	19.6
12 7	5 38.35	+17 46.3	1.642	2.615	4.2	19.3
12 17	5 27.59	+16 9.1	1.654	2.632	2.9	19.3
12 27	5 17.54	+14 40.6	1.697	2.650	6.5	19.6
1 6	5 9.26	+13 25.4	1.768	2.668	10.5	19.8
1 16	5 3.45	+12 26.3	1.863	2.685	13.9	20.1

172933 2005 JH 12 14.9 251.°35 3.°4/13.9 18

11 7	5 59.32	+17 52.1	2.041	2.826	14.4	20.1
11 17	5 54.36	+16 42.5	1.943	2.815	11.4	19.9
11 27	5 46.97	+15 30.7	1.870	2.804	8.0	19.7
12 7	5 37.78	+14 19.4	1.824	2.792	4.6	19.4
12 17	5 27.71	+13 12.3	1.807	2.780	3.7	19.4
12 27	5 17.88	+12 13.4	1.820	2.768	6.7	19.5
1 6	5 9.37	+11 25.9	1.862	2.756	10.4	19.7
1 16	5 2.96	+10 51.6	1.928	2.743	13.8	19.9

519836 2013 LL_1 12 14.9 60°.82 5°.2/15.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.82	+ 4 39.9	2.045	2.803	15.3	20.2
11 17	5 55.23	+ 5 8.8	1.977	2.822	12.5	20.1
11 27	5 47.37	+ 5 52.3	1.931	2.841	9.3	19.9
12 7	5 37.89	+ 6 51.0	1.911	2.861	6.4	19.8
12 17	5 27.70	+ 8 3.4	1.920	2.880	5.3	19.7
12 27	5 17.87	+ 9 26.8	1.960	2.900	7.0	19.9
1 6	5 9.37	+10 57.0	2.029	2.920	9.8	20.1
1 16	5 2.92	+12 30.1	2.125	2.939	12.7	20.3

401317 2013 AQ_8 12 14.9 235°.51 0°.4/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.19	+20 43.2	1.994	2.781	14.7	21.3
11 17	5 55.33	+21 5.4	1.899	2.774	11.6	21.1
11 27	5 47.82	+21 30.3	1.827	2.766	7.8	20.9
12 7	5 38.25	+21 56.5	1.782	2.757	3.6	20.6
12 17	5 27.57	+22 22.2	1.765	2.748	1.0	20.4
12 27	5 17.00	+22 46.3	1.779	2.739	5.4	20.7
1 6	5 7.74	+23 8.8	1.820	2.730	9.6	20.9
1 16	5 0.74	+23 30.4	1.887	2.721	13.3	21.1

485025 2009 WN_{88} 12 14.9 82°.00 0°.2/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.21	+22 11.6	2.264	3.048	13.3	20.9
11 17	5 53.26	+22 37.2	2.189	3.061	10.3	20.7
11 27	5 46.09	+23 3.6	2.137	3.075	6.9	20.5
12 7	5 37.33	+23 29.2	2.113	3.088	3.1	20.3
12 17	5 27.84	+23 52.6	2.118	3.101	0.8	20.1
12 27	5 18.64	+24 13.1	2.154	3.115	4.6	20.4
1 6	5 10.68	+24 30.9	2.219	3.128	8.2	20.7
1 16	5 4.67	+24 46.8	2.310	3.141	11.2	20.9

219266 2000 AC_{164} 12 14.9 346°.77 0°.2/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.54	+24 56.7	1.100	1.939	20.8	19.7
11 17	5 52.77	+24 41.3	1.026	1.929	16.5	19.4
11 27	5 47.03	+24 21.1	0.969	1.920	11.2	19.0
12 7	5 38.14	+23 55.2	0.934	1.912	5.1	18.7
12 17	5 27.62	+23 23.9	0.922	1.906	1.4	18.4
12 27	5 17.52	+22 50.2	0.934	1.901	7.8	18.8
1 6	5 9.74	+22 18.4	0.969	1.898	13.7	19.1
1 16	5 5.56	+21 52.8	1.024	1.896	18.8	19.4

163487 2002 SM_6 12 14.9 111°.80 5°.9/15.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.17	+40 46.1	2.537	3.282	13.0	20.1
11 17	5 56.70	+41 43.5	2.458	3.289	10.8	19.9
11 27	5 48.61	+42 31.5	2.402	3.297	8.5	19.8
12 7	5 38.55	+43 5.2	2.371	3.304	6.5	19.7
12 17	5 27.53	+43 21.2	2.369	3.311	5.9	19.6
12 27	5 16.76	+43 18.6	2.396	3.317	7.0	19.7
1 6	5 7.42	+42 59.8	2.451	3.324	9.1	19.9
1 16	5 0.38	+42 29.0	2.530	3.331	11.3	20.0

13984 1992 RM_7 12 14.9 17°.83 0°.4/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.94	+23 55.2	1.818	2.621	15.3	18.4
11 17	5 52.10	+24 4.7	1.743	2.625	12.0	18.2
11 27	5 45.62	+24 13.2	1.689	2.631	8.0	18.0
12 7	5 37.21	+24 19.4	1.661	2.637	3.7	17.8
12 17	5 27.89	+24 22.4	1.661	2.644	1.0	17.6
12 27	5 18.93	+24 22.2	1.689	2.651	5.4	17.9
1 6	5 11.46	+24 20.2	1.744	2.659	9.6	18.2
1 16	5 6.33	+24 18.3	1.823	2.668	13.1	18.4

513169 2004 EY_{78} 12 14.9 228°.34 1°.2/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.88	+25 40.7	1.823	2.611	15.8	21.9
11 17	5 57.80	+25 57.0	1.728	2.602	12.5	21.6
11 27	5 49.67	+26 11.4	1.655	2.592	8.5	21.3
12 7	5 39.16	+26 21.4	1.608	2.582	4.1	21.1
12 17	5 27.35	+26 24.9	1.589	2.571	1.6	20.9
12 27	5 15.71	+26 21.5	1.599	2.560	6.0	21.1
1 6	5 5.64	+26 13.1	1.638	2.548	10.4	21.4
1 16	4 58.20	+26 2.7	1.700	2.536	14.4	21.6

487531 2014 UL_{136} 12 14.9 179°.89 2°.7/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.59	+30 41.0	2.540	3.312	12.3	21.6
11 17	5 53.60	+31 15.0	2.451	3.312	9.8	21.4
11 27	5 46.39	+31 45.0	2.385	3.313	6.9	21.2
12 7	5 37.52	+32 8.3	2.346	3.313	3.9	21.0
12 17	5 27.81	+32 22.5	2.338	3.313	2.8	20.9
12 27	5 18.28	+32 27.2	2.360	3.312	5.0	21.1
1 6	5 9.91	+32 23.5	2.410	3.312	8.0	21.3
1 16	5 3.45	+32 14.0	2.487	3.312	10.7	21.5

6421 1993 XS_1 12 14.9 23°.89 4°.5/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.15	+13 30.2	1.334	2.149	19.2	16.6
11 17	5 53.68	+13 11.3	1.269	2.155	15.3	16.3
11 27	5 46.99	+13 1.1	1.222	2.161	10.7	16.1
12 7	5 37.91	+13 2.0	1.199	2.168	6.3	15.9
12 17	5 27.71	+13 14.8	1.201	2.176	4.7	15.8
12 27	5 18.00	+13 39.6	1.229	2.185	8.1	16.0
1 6	5 10.18	+14 14.7	1.282	2.194	12.6	16.3
1 16	5 5.25	+14 58.2	1.357	2.204	16.6	16.6

154160 2002 GG_{46} 12 14.9 226°.29 0°.6/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.83	+24 7.6	2.240	3.025	13.3	20.1
11 17	5 53.17	+24 25.0	2.150	3.023	10.4	19.9
11 27	5 46.17	+24 41.9	2.083	3.020	7.0	19.7
12 7	5 37.44	+24 56.6	2.043	3.018	3.2	19.5
12 17	5 27.83	+25 7.8	2.032	3.015	1.0	19.3
12 27	5 18.41	+25 15.2	2.052	3.012	4.8	19.6
1 6	5 10.19	+25 19.5	2.100	3.010	8.5	19.8
1 16	5 3.98	+25 22.4	2.174	3.007	11.8	20.0

416342 2003 SR_{289} 12 14.9 107°.77 5°.8/14.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.03	+ 5 20.4	2.470	3.230	12.9	21.2
11 17	5 50.40	+ 4 38.2	2.399	3.243	10.6	21.0
11 27	5 43.99	+ 4 4.8	2.351	3.255	8.2	20.9
12 7	5 36.34	+ 3 43.2	2.330	3.267	6.3	20.8
12 17	5 28.15	+ 3 35.3	2.337	3.279	5.9	20.8
12 27	5 20.25	+ 3 41.9	2.373	3.291	7.2	20.9
1 6	5 13.37	+ 4 2.1	2.436	3.302	9.4	21.0
1 16	5 8.08	+ 4 34.0	2.524	3.314	11.6	21.2

473700 2015 YS_6 12 14.9 67°.49 2°.0/15.5 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.98	+31 47.7	2.215	2.991	13.8	20.4
11 17	5 54.75	+31 23.6	2.132	2.997	10.9	20.2
11 27	5 47.10	+30 50.8	2.071	3.002	7.5	20.0
12 7	5 37.78	+30 7.9	2.037	3.007	4.0	19.8
12 17	5 27.78	+29 15.5	2.033	3.013	2.1	19.7
12 27	5 18.24	+28 15.9	2.059	3.018	5.0	19.9
1 6	5 10.18	+27 13.3	2.115	3.024	8.5	20.1
1 16	5 4.29	+26 12.1	2.196	3.030	11.6	20.3

105199 2000 OR_{39} 12 14.9 159°.29 1°.5/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.18	+19 4.5	2.630	3.404	11.9	21.0
11 17	5 52.84	+18 44.8	2.545	3.412	9.3	20.8
11 27	5 45.62	+18 25.6	2.484	3.418	6.3	20.6
12 7	5 37.09	+18 7.4	2.452	3.424	3.1	20.4
12 17	5 27.96	+17 50.9	2.450	3.430	1.7	20.3
12 27	5 19.09	+17 37.0	2.479	3.435	4.6	20.5
1 6	5 11.28	+17 26.7	2.538	3.439	7.7	20.8
1 16	5 5.12	+17 20.9	2.624	3.443	10.4	20.9

159077 2004 TU_{206} 12 14.9 269°.87 0°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.06	+24 10.4	2.241	3.028	13.3	20.4
11 17	5 52.58	+24 21.2	2.149	3.023	10.4	20.2
11 27	5 45.79	+24 31.0	2.080	3.018	7.0	20.0
12 7	5 37.28	+24 38.5	2.038	3.013	3.2	19.8
12 17	5 27.90	+24 42.7	2.025	3.008	1.0	19.6
12 27	5 18.69	+24 43.7	2.042	3.003	4.8	19.8
1 6	5 10.68	+24 42.3	2.088	2.999	8.5	20.1
1 16	5 4.65	+24 40.3	2.159	2.994	11.8	20.3

418661 2008 TO_{112} 12 14.9 25°.79 6°.1/15.8 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.32	+37 5.2	1.646	2.434	17.2	20.3
11 17	5 55.35	+37 53.3	1.587	2.452	14.0	20.1
11 27	5 48.05	+38 30.0	1.550	2.470	10.5	20.0
12 7	5 38.36	+38 49.8	1.535	2.489	7.3	19.8
12 17	5 27.65	+38 49.2	1.547	2.509	6.1	19.8
12 27	5 17.58	+38 28.7	1.586	2.530	7.9	20.0
1 6	5 9.58	+37 52.8	1.650	2.551	11.0	20.2
1 16	5 4.57	+37 7.7	1.737	2.574	14.0	20.5

149253 2002 TV_4 12 14.9 45°.92 2°.8/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.83	+26 49.7	1.213	2.031	20.5	19.4
11 17	5 58.69	+27 33.8	1.158	2.047	16.1	19.1
11 27	5 50.61	+28 15.4	1.122	2.065	11.0	18.9
12 7	5 39.60	+28 49.2	1.109	2.083	5.5	18.7
12 17	5 27.32	+29 11.0	1.120	2.101	3.0	18.6
12 27	5 15.82	+29 19.8	1.158	2.120	7.5	18.9
1 6	5 6.84	+29 18.5	1.221	2.140	12.4	19.2
1 16	5 1.44	+29 11.7	1.305	2.160	16.7	19.5

140120 2001 SB_{139} 12 14.9 135°.91 2°.3/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.71	+29 39.7	2.138	2.917	14.1	20.6
11 17	5 55.52	+29 55.9	2.056	2.923	11.1	20.4
11 27	5 47.78	+30 7.1	1.997	2.929	7.7	20.2
12 7	5 38.17	+30 10.7	1.965	2.935	4.1	20.0
12 17	5 27.70	+30 5.1	1.962	2.941	2.4	19.9
12 27	5 17.58	+29 50.7	1.989	2.946	5.3	20.1
1 6	5 8.90	+29 29.8	2.044	2.951	8.8	20.3
1 16	5 2.50	+29 5.6	2.124	2.956	12.0	20.5

444576 2006 TE_{73} 12 14.9 41°.99 0°.6/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.48	+23 36.2	1.639	2.443	16.6	20.4
11 17	5 54.17	+23 11.8	1.571	2.455	13.0	20.2
11 27	5 47.01	+22 44.5	1.525	2.467	8.7	20.0
12 7	5 37.83	+22 14.6	1.503	2.479	3.9	19.7
12 17	5 27.81	+21 43.1	1.509	2.492	1.2	19.6
12 27	5 18.34	+21 12.1	1.543	2.506	5.9	19.9
1 6	5 10.62	+20 44.4	1.604	2.519	10.3	20.2
1 16	5 5.46	+20 22.5	1.689	2.533	14.0	20.5

421063 2013 QK_{13} 12 14.9 231°.39 3°.5/14.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.03	+11 28.2	2.590	3.362	12.1	21.1
11 17	5 50.54	+11 15.5	2.495	3.355	9.7	20.9
11 27	5 44.21	+11 8.6	2.424	3.348	7.0	20.8
12 7	5 36.52	+11 8.7	2.380	3.341	4.4	20.6
12 17	5 28.14	+11 16.6	2.366	3.334	3.6	20.5
12 27	5 19.88	+11 32.6	2.381	3.326	5.6	20.6
1 6	5 12.54	+11 56.4	2.426	3.318	8.4	20.8
1 16	5 6.75	+12 27.0	2.497	3.310	11.0	21.0

55038 2001 QP_{52} 12 14.9 8°.42 4°.7/15.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.68	+31 32.1	1.310	2.122	19.6	18.6
11 17	5 57.26	+32 17.3	1.239	2.122	15.7	18.4
11 27	5 49.88	+32 55.9	1.187	2.123	11.2	18.1
12 7	5 39.40	+33 21.9	1.157	2.125	6.7	17.9
12 17	5 27.36	+33 30.3	1.152	2.128	4.8	17.8
12 27	5 15.81	+33 20.3	1.173	2.131	8.2	18.0
1 6	5 6.61	+32 55.9	1.219	2.135	12.7	18.2
1 16	5 0.99	+32 23.7	1.286	2.139	17.0	18.5

160621 1999 TK_{120} 12 14.9 62°.76 0°.8/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.40	+25 44.6	1.555	2.355	17.6	19.9
11 17	5 57.28	+25 41.0	1.498	2.378	13.7	19.7
11 27	5 49.07	+25 33.5	1.461	2.402	9.1	19.5
12 7	5 38.73	+25 20.8	1.449	2.425	4.2	19.3
12 17	5 27.59	+25 2.5	1.465	2.448	1.3	19.2
12 27	5 17.18	+24 40.2	1.509	2.472	6.0	19.5
1 6	5 8.79	+24 16.9	1.580	2.495	10.4	19.8
1 16	5 3.22	+23 55.8	1.675	2.518	14.2	20.1

315736 2008 EG_{160} 12 14.9 30°.82 1°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.23	+25 49.7	1.926	2.717	15.0	21.0
11 17	5 54.69	+26 19.0	1.843	2.719	11.8	20.8
11 27	5 47.41	+26 47.2	1.782	2.720	8.0	20.6
12 7	5 38.09	+27 11.5	1.747	2.721	3.9	20.3
12 17	5 27.73	+27 29.5	1.741	2.723	1.8	20.2
12 27	5 17.63	+27 40.6	1.764	2.724	5.5	20.5
1 6	5 9.00	+27 45.7	1.815	2.726	9.5	20.7
1 16	5 2.75	+27 47.1	1.890	2.728	13.0	20.9

70119 1999 LU_{28} 12 14.9 192°.81 0°.7/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.13	+22 30.8	1.467	2.273	18.2	20.4
11 17	5 57.60	+22 18.4	1.388	2.272	14.3	20.1
11 27	5 49.69	+22 4.8	1.330	2.272	9.7	19.8
12 7	5 39.20	+21 49.3	1.295	2.271	4.4	19.5
12 17	5 27.45	+21 31.8	1.287	2.271	1.4	19.3
12 27	5 16.11	+21 14.0	1.307	2.270	6.7	19.7
1 6	5 6.72	+20 58.3	1.353	2.269	11.8	20.0
1 16	5 0.35	+20 47.5	1.422	2.267	16.1	20.2

288395 2004 CS_{117} 12 14.9 28°.72 0°.8/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.81	+25 28.7	1.683	2.484	16.4	20.5
11 17	5 54.59	+25 29.3	1.606	2.488	12.9	20.3
11 27	5 47.44	+25 26.9	1.551	2.492	8.7	20.0
12 7	5 38.11	+25 19.9	1.520	2.496	4.0	19.8
12 17	5 27.76	+25 7.7	1.517	2.500	1.2	19.6
12 27	5 17.83	+24 51.1	1.543	2.505	5.9	19.9
1 6	5 9.60	+24 32.6	1.595	2.510	10.3	20.2
1 16	5 3.99	+24 15.3	1.671	2.516	14.1	20.4

299168 2005 GJ_{37} 12 14.9 314°.30 6°.7/13.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.94	+10 26.5	1.686	2.482	16.6	20.6
11 17	5 52.20	+ 9 11.0	1.602	2.472	13.5	20.4
11 27	5 45.79	+ 8 0.5	1.539	2.463	10.2	20.1
12 7	5 37.37	+ 7 0.2	1.501	2.455	7.4	20.0
12 17	5 27.94	+ 6 14.9	1.489	2.446	6.9	19.9
12 27	5 18.76	+ 5 48.4	1.504	2.438	9.2	20.0
1 6	5 11.02	+ 5 41.6	1.544	2.430	12.7	20.2
1 16	5 5.59	+ 5 53.3	1.607	2.423	16.0	20.4

60869 2000 HZ_{82} 12 14.9 148°.40 1°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.36	+19 36.1	2.766	3.544	11.3	20.5
11 17	5 50.65	+19 27.0	2.680	3.549	8.8	20.3
11 27	5 44.19	+19 18.7	2.619	3.554	5.9	20.1
12 7	5 36.49	+19 11.2	2.585	3.559	2.8	19.9
12 17	5 28.23	+19 4.9	2.582	3.564	1.4	19.8
12 27	5 20.17	+19 0.2	2.611	3.568	4.2	20.0
1 6	5 13.07	+18 57.9	2.668	3.572	7.2	20.2
1 16	5 7.49	+18 58.5	2.753	3.576	9.8	20.4

281116 2007 BM_{20} 12 14.9 302°.00 3°.9/15.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.69	+31 27.4	1.436	2.242	18.5	20.4
11 17	5 57.25	+31 49.1	1.342	2.222	15.0	20.1
11 27	5 49.99	+32 3.6	1.267	2.203	10.7	19.8
12 7	5 39.58	+32 5.9	1.214	2.184	6.1	19.5
12 17	5 27.36	+31 51.9	1.188	2.165	4.0	19.3
12 27	5 15.27	+31 21.4	1.187	2.147	7.8	19.5
1 6	5 5.22	+30 38.8	1.212	2.129	12.7	19.7
1 16	4 58.58	+29 50.8	1.259	2.111	17.3	19.9

514407 2016 TW_{46} 12 14.9 100°.60 1°.5/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.64	+27 37.2	1.630	2.423	17.2	21.2
11 17	5 58.38	+27 38.4	1.559	2.436	13.5	21.0
11 27	5 49.95	+27 34.5	1.510	2.448	9.1	20.8
12 7	5 39.23	+27 23.0	1.486	2.460	4.4	20.5
12 17	5 27.53	+27 2.9	1.490	2.472	1.8	20.4
12 27	5 16.42	+26 35.8	1.523	2.484	6.1	20.7
1 6	5 7.28	+26 5.3	1.582	2.495	10.5	20.9
1 16	5 1.01	+25 35.4	1.666	2.507	14.3	21.2

42972 1999 TA_{181} 12 14.9 100°.66 5°.3/13.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.44	+12 12.0	1.866	2.651	15.7	18.9
11 17	5 54.37	+11 2.1	1.798	2.664	12.5	18.7
11 27	5 46.90	+ 9 56.9	1.753	2.678	9.1	18.6
12 7	5 37.75	+ 9 0.3	1.733	2.691	6.2	18.4
12 17	5 27.93	+ 8 16.0	1.742	2.704	5.5	18.4
12 27	5 18.56	+ 7 46.6	1.780	2.716	7.8	18.6
1 6	5 10.67	+ 7 32.9	1.844	2.729	11.0	18.8
1 16	5 4.97	+ 7 34.2	1.932	2.741	14.0	19.0

480709 2015 PC_{307} 12 14.9 76°.22 3°.8/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.71	+13 4.3	1.832	2.619	15.8	21.4
11 17	5 54.61	+12 48.8	1.772	2.641	12.5	21.2
11 27	5 47.06	+12 40.3	1.733	2.664	8.8	21.0
12 7	5 37.83	+12 39.9	1.720	2.686	5.2	20.9
12 17	5 27.91	+12 48.3	1.736	2.708	3.9	20.8
12 27	5 18.50	+13 5.4	1.780	2.730	6.6	21.0
1 6	5 10.60	+13 30.4	1.852	2.752	10.0	21.3
1 16	5 4.94	+14 2.1	1.948	2.774	13.2	21.5

6269 Kawasaki 12 14.9 84°.07 4°.1/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.78	+14 3.8	1.563	2.360	17.6	18.0
11 17	5 55.95	+13 38.6	1.499	2.375	14.0	17.8
11 27	5 48.22	+13 20.0	1.456	2.390	9.8	17.5
12 7	5 38.43	+13 9.8	1.437	2.405	5.7	17.3
12 17	5 27.75	+13 9.2	1.445	2.419	4.3	17.3
12 27	5 17.60	+13 18.9	1.481	2.433	7.4	17.5
1 6	5 9.22	+13 38.2	1.543	2.448	11.4	17.8
1 16	5 3.45	+14 6.1	1.629	2.462	15.0	18.0

73839 1996 GN_{8} 12 14.9 162°.86 4°.3/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.96	+34 31.1	2.348	3.108	13.5	19.9
11 17	5 58.11	+35 20.8	2.263	3.113	10.9	19.7
11 27	5 49.60	+36 4.3	2.201	3.118	8.0	19.5
12 7	5 39.09	+36 37.1	2.167	3.122	5.3	19.4
12 17	5 27.56	+36 55.8	2.161	3.126	4.3	19.3
12 27	5 16.27	+36 59.3	2.186	3.129	6.1	19.5
1 6	5 6.40	+36 49.7	2.240	3.132	9.0	19.6
1 16	4 58.84	+36 30.7	2.319	3.134	11.7	19.8

331950 2004 TH_{328} 12 14.9 126°.75 4°.0/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.17	+10 58.1	2.250	3.027	13.5	20.5
11 17	5 51.64	+10 45.3	2.168	3.030	10.8	20.4
11 27	5 45.04	+10 39.5	2.108	3.033	7.8	20.2
12 7	5 36.95	+10 42.3	2.076	3.036	5.0	20.0
12 17	5 28.14	+10 54.4	2.072	3.039	4.1	20.0
12 27	5 19.56	+11 16.0	2.097	3.042	6.2	20.1
1 6	5 12.08	+11 46.1	2.151	3.045	9.2	20.3
1 16	5 6.39	+12 23.4	2.230	3.048	12.0	20.5

443922 2002 QL_{110} 12 14.9 152°.16 5°.4/16.0 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.23	+38 47.3	2.066	2.825	15.2	21.6
11 17	5 59.43	+39 10.9	1.984	2.830	12.4	21.4
11 27	5 50.60	+39 22.9	1.924	2.834	9.4	21.2
12 7	5 39.54	+39 18.5	1.889	2.838	6.6	21.0
12 17	5 27.48	+38 54.9	1.882	2.842	5.4	21.0
12 27	5 15.92	+38 13.0	1.905	2.846	7.0	21.1
1 6	5 6.18	+37 17.1	1.954	2.849	9.9	21.3
1 16	4 59.19	+36 13.7	2.030	2.852	12.9	21.5

505351 2013 CB_{35} 12 14.9 232°.25 10°.7/17.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 14.90	+46 10.6	1.318	2.081	22.0	21.3
11 17	6 9.56	+46 51.2	1.238	2.075	18.9	21.0
11 27	5 58.76	+47 9.9	1.176	2.070	15.4	20.8
12 7	5 43.62	+46 54.6	1.133	2.063	12.2	20.6
12 17	5 26.40	+45 56.5	1.114	2.057	10.7	20.5
12 27	5 10.19	+44 16.4	1.120	2.050	12.0	20.5
1 6	4 57.59	+42 6.4	1.150	2.043	15.4	20.7
1 16	4 49.97	+39 43.3	1.201	2.036	19.1	20.9

274394 2008 RD_{113} 12 14.9 316°.03 3°.2/14.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.71	+15 22.5	2.236	3.023	13.3	21.0
11 17	5 50.59	+14 44.3	2.147	3.018	10.5	20.8
11 27	5 44.39	+14 8.6	2.081	3.014	7.4	20.6
12 7	5 36.68	+13 37.1	2.043	3.010	4.3	20.4
12 17	5 28.23	+13 11.8	2.033	3.006	3.4	20.4
12 27	5 20.00	+12 54.4	2.052	3.002	5.9	20.5
1 6	5 12.88	+12 45.7	2.099	2.998	9.1	20.7
1 16	5 7.56	+12 46.1	2.172	2.994	12.2	20.9

439148 2011 UZ_{120} 12 14.9 78°.19 0°.8/14.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.54	+18 51.7	1.792	2.578	16.1	21.2
11 17	5 57.75	+19 21.5	1.733	2.606	12.5	21.0
11 27	5 49.26	+19 55.2	1.696	2.633	8.4	20.8
12 7	5 38.87	+20 30.8	1.685	2.660	3.8	20.6
12 17	5 27.70	+21 6.2	1.704	2.687	1.3	20.5
12 27	5 17.07	+21 40.0	1.752	2.713	5.5	20.8
1 6	5 8.14	+22 11.7	1.829	2.739	9.6	21.1
1 16	5 1.68	+22 41.8	1.931	2.764	13.0	21.4

142271 2002 RY_{114} 12 14.9 174°.49 0°.4/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.62	+23 4.8	1.868	2.654	15.6	20.8
11 17	5 58.02	+22 54.2	1.784	2.657	12.2	20.6
11 27	5 49.61	+22 41.8	1.722	2.659	8.2	20.4
12 7	5 39.11	+22 26.8	1.686	2.661	3.7	20.1
12 17	5 27.62	+22 9.2	1.679	2.662	1.1	19.9
12 27	5 16.49	+21 50.0	1.702	2.662	5.7	20.2
1 6	5 6.96	+21 31.6	1.753	2.662	10.0	20.5
1 16	4 59.93	+21 16.4	1.829	2.661	13.7	20.7

45691 2000 EF_{148} 12 14.9 63°.02 4°.3/14.3 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.60	+11 21.7	2.284	3.064	13.3	18.5
11 17	5 50.35	+10 45.5	2.207	3.071	10.6	18.3
11 27	5 44.13	+10 15.0	2.153	3.078	7.7	18.2
12 7	5 36.53	+ 9 52.2	2.126	3.084	5.1	18.0
12 17	5 28.30	+ 9 39.1	2.127	3.091	4.4	18.0
12 27	5 20.35	+ 9 36.7	2.157	3.098	6.4	18.1
1 6	5 13.49	+ 9 44.8	2.215	3.105	9.2	18.3
1 16	5 8.35	+10 2.7	2.298	3.112	11.9	18.5

353911 2012 XQ_{116} 12 14.9 9°.91 5°.2/14.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 54.55	+14 8.0	1.232	2.058	19.8	19.8
11 17	5 51.95	+13 27.0	1.168	2.060	15.8	19.6
11 27	5 46.01	+12 53.0	1.122	2.063	11.2	19.3
12 7	5 37.60	+12 29.7	1.099	2.068	6.8	19.1
12 17	5 28.02	+12 19.8	1.099	2.073	5.4	19.0
12 27	5 18.93	+12 25.0	1.125	2.080	8.8	19.2
1 6	5 11.82	+12 44.6	1.174	2.088	13.3	19.5
1 16	5 7.65	+13 16.7	1.244	2.097	17.4	19.8

519498 2012 DA_{105} 12 14.9 141°.47 5°.9/15.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.97	+42 54.5	2.778	3.508	12.3	21.7
11 17	5 57.91	+43 42.7	2.699	3.517	10.3	21.5
11 27	5 49.35	+44 20.5	2.642	3.526	8.2	21.4
12 7	5 38.94	+44 43.4	2.612	3.535	6.5	21.3
12 17	5 27.67	+44 48.5	2.610	3.544	5.9	21.3
12 27	5 16.70	+44 35.2	2.637	3.552	6.8	21.4
1 6	5 7.14	+44 6.2	2.693	3.559	8.6	21.5
1 16	4 59.80	+43 25.9	2.774	3.566	10.6	21.6

327691 2006 RH_{97} 12 14.9 108°.60 0°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 5.81	+22 46.0	1.656	2.445	17.1	22.1
11 17	5 59.76	+22 38.0	1.592	2.467	13.3	21.9
11 27	5 50.70	+22 28.7	1.550	2.488	8.9	21.7
12 7	5 39.54	+22 17.2	1.533	2.508	4.0	21.5
12 17	5 27.54	+22 3.3	1.545	2.528	1.2	21.3
12 27	5 16.21	+21 48.3	1.586	2.547	6.0	21.7
1 6	5 6.81	+21 34.5	1.655	2.565	10.4	22.0
1 16	5 0.18	+21 24.0	1.749	2.583	14.1	22.3

422155 2014 RS_{2} 12 14.9 171°.04 0°.4/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.84	+21 54.8	2.141	2.929	13.8	21.7
11 17	5 53.23	+21 59.4	2.054	2.929	10.8	21.5
11 27	5 46.27	+22 4.3	1.991	2.930	7.2	21.3
12 7	5 37.57	+22 8.6	1.954	2.930	3.3	21.0
12 17	5 28.03	+22 11.9	1.947	2.930	0.9	20.8
12 27	5 18.72	+22 14.1	1.970	2.931	5.0	21.1
1 6	5 10.67	+22 16.2	2.020	2.931	8.8	21.4
1 16	5 4.66	+22 19.4	2.097	2.931	12.1	21.6

436159 2009 VB_{29} 12 14.9 97°.39 0°.4/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 2.03	+24 16.4	1.548	2.350	17.6	21.0
11 17	5 57.25	+23 50.0	1.474	2.356	13.8	20.8
11 27	5 49.28	+23 19.5	1.420	2.362	9.3	20.5
12 7	5 38.99	+22 44.9	1.391	2.367	4.2	20.3
12 17	5 27.67	+22 6.9	1.390	2.373	1.2	20.1
12 27	5 16.89	+21 28.4	1.417	2.379	6.3	20.4
1 6	5 8.03	+20 53.0	1.470	2.384	11.1	20.7
1 16	5 2.03	+20 24.0	1.547	2.390	15.2	21.0

312307 2008 CJ_{64} 12 14.9 246°.94 1°.8/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.13	+29 3.3	2.223	3.002	13.6	21.5
11 17	5 55.16	+29 4.9	2.122	2.990	10.8	21.3
11 27	5 47.66	+29 1.2	2.044	2.977	7.5	21.1
12 7	5 38.25	+28 50.2	1.992	2.964	3.8	20.8
12 17	5 27.84	+28 30.9	1.970	2.951	1.9	20.7
12 27	5 17.62	+28 4.0	1.978	2.937	5.2	20.8
1 6	5 8.71	+27 31.9	2.014	2.923	8.9	21.1
1 16	5 1.95	+26 58.3	2.077	2.908	12.3	21.2

24281 1999 XT_{174} 12 14.9 41°.61 4°.0/15.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 59.82	+35 0.4	2.068	2.844	14.6	18.5
11 17	5 55.07	+35 16.5	1.990	2.850	11.7	18.3
11 27	5 47.60	+35 23.5	1.934	2.857	8.5	18.1
12 7	5 38.18	+35 18.1	1.903	2.863	5.4	17.9
12 17	5 27.89	+34 58.5	1.900	2.870	4.0	17.9
12 27	5 18.02	+34 25.5	1.926	2.877	6.1	18.0
1 6	5 9.76	+33 42.6	1.980	2.884	9.3	18.2
1 16	5 3.92	+32 54.8	2.059	2.892	12.3	18.4

71377 2000 AG_{145} 12 14.9 241°.84 3°.7/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.55	+11 15.9	2.439	3.213	12.7	19.2
11 17	5 51.10	+11 6.9	2.346	3.207	10.2	19.0
11 27	5 44.69	+11 4.5	2.276	3.201	7.3	18.8
12 7	5 36.83	+11 9.8	2.233	3.195	4.6	18.7
12 17	5 28.24	+11 23.6	2.220	3.188	3.8	18.6
12 27	5 19.77	+11 46.0	2.236	3.182	5.8	18.7
1 6	5 12.28	+12 16.1	2.281	3.175	8.7	18.9
1 16	5 6.43	+12 53.0	2.351	3.168	11.5	19.1

12857 1998 HQ_{97} 12 14.9 81°.01 1°.0/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.70	+26 0.1	2.075	2.863	14.2	18.2
11 17	5 53.96	+26 8.5	1.997	2.871	11.1	18.0
11 27	5 46.77	+26 14.3	1.941	2.878	7.5	17.8
12 7	5 37.80	+26 15.7	1.911	2.886	3.5	17.5
12 17	5 28.01	+26 11.8	1.910	2.893	1.3	17.4
12 27	5 18.56	+26 3.0	1.940	2.901	5.0	17.7
1 6	5 10.50	+25 51.1	1.997	2.908	8.8	17.9
1 16	5 4.63	+25 38.5	2.080	2.916	12.1	18.1

473587 2015 XK_{238} 12 14.9 41°.89 1°.3/14.8 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.26	+20 1.9	1.886	2.682	15.1	22.0
11 17	5 52.98	+19 52.7	1.808	2.688	11.8	21.7
11 27	5 46.18	+19 44.6	1.753	2.693	7.9	21.5
12 7	5 37.55	+19 37.7	1.724	2.699	3.8	21.3
12 17	5 28.07	+19 32.3	1.723	2.705	1.7	21.2
12 27	5 18.93	+19 29.0	1.750	2.711	5.6	21.4
1 6	5 11.21	+19 28.8	1.806	2.717	9.6	21.7
1 16	5 5.72	+19 32.6	1.885	2.723	13.1	21.9

493120 2014 TV_{26} 12 14.9 32°.19 4°.8/15.2 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 0.23	+34 43.8	2.088	2.863	14.5	21.1
11 17	5 55.57	+35 39.0	2.009	2.867	11.7	20.9
11 27	5 48.09	+36 27.7	1.952	2.872	8.6	20.7
12 7	5 38.49	+37 5.0	1.921	2.877	5.8	20.6
12 17	5 27.81	+37 27.2	1.918	2.882	4.8	20.5
12 27	5 17.40	+37 33.0	1.944	2.888	6.7	20.7
1 6	5 8.52	+37 24.5	1.997	2.893	9.7	20.8
1 16	5 2.10	+37 5.7	2.075	2.899	12.6	21.0

236768 2007 OJ_{6} 12 14.9 78°.86 2°.0/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 3.90	+28 0.9	1.698	2.488	16.7	21.0
11 17	5 58.38	+28 16.5	1.637	2.511	13.1	20.8
11 27	5 49.83	+28 27.4	1.597	2.534	8.9	20.6
12 7	5 39.17	+28 30.6	1.583	2.556	4.4	20.4
12 17	5 27.68	+28 24.6	1.597	2.578	2.2	20.3
12 27	5 16.83	+28 10.2	1.640	2.600	5.9	20.6
1 6	5 7.92	+27 50.3	1.710	2.622	10.0	20.9
1 16	5 1.77	+27 28.8	1.805	2.643	13.5	21.2

300584 2007 TC_{386} 12 14.9 102°.03 1°.9/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.54	+25 43.6	1.956	2.736	15.2	20.6
11 17	5 58.64	+26 33.1	1.886	2.755	11.9	20.4
11 27	5 49.97	+27 21.8	1.840	2.774	8.0	20.2
12 7	5 39.27	+28 5.8	1.821	2.793	4.0	20.0
12 17	5 27.63	+28 41.8	1.831	2.811	2.1	19.9
12 27	5 16.39	+29 8.4	1.871	2.829	5.5	20.2
1 6	5 6.77	+29 26.2	1.941	2.847	9.3	20.4
1 16	4 59.63	+29 37.8	2.035	2.864	12.6	20.7

474847 2005 SG_{77} 12 14.9 62°.59 2°.2/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.27	+27 22.3	1.372	2.178	19.2	21.3
11 17	5 59.32	+27 44.4	1.316	2.199	15.0	21.0
11 27	5 50.78	+28 2.1	1.280	2.220	10.2	20.8
12 7	5 39.68	+28 11.8	1.268	2.242	5.0	20.6
12 17	5 27.55	+28 11.1	1.282	2.263	2.4	20.5
12 27	5 16.21	+28 0.7	1.323	2.285	6.8	20.8
1 6	5 7.20	+27 44.0	1.390	2.307	11.4	21.1
1 16	5 1.45	+27 25.5	1.480	2.328	15.4	21.4

178897 2001 ON_{61} 12 14.9 66°.08 5°.2/15.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 6.11	+37 0.3	1.785	2.557	16.7	19.8
11 17	6 0.16	+37 29.5	1.730	2.585	13.5	19.6
11 27	5 51.02	+37 46.8	1.696	2.613	9.9	19.5
12 7	5 39.68	+37 47.6	1.687	2.641	6.6	19.3
12 17	5 27.56	+37 29.3	1.705	2.669	5.2	19.3
12 27	5 16.26	+36 53.6	1.751	2.697	7.1	19.5
1 6	5 7.10	+36 5.6	1.825	2.725	10.2	19.7
1 16	5 0.89	+35 11.6	1.923	2.752	13.2	20.0

189519 2000 HB_{71} 12 14.9 261°.26 3°.9/15.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 3.47	+32 33.8	1.694	2.481	16.9	20.2
11 17	5 58.80	+32 55.5	1.600	2.469	13.6	20.0
11 27	5 50.68	+33 9.6	1.525	2.456	9.8	19.7
12 7	5 39.82	+33 11.3	1.476	2.442	5.8	19.4
12 17	5 27.47	+32 57.3	1.453	2.429	4.0	19.3
12 27	5 15.33	+32 27.5	1.459	2.415	7.1	19.5
1 6	5 5.06	+31 45.7	1.491	2.401	11.3	19.7
1 16	4 57.82	+30 58.3	1.547	2.387	15.3	19.9

386619 2009 RP_{51} 12 14.9 23°.25 1°.6/15.1 18

11 7	5 58.46	+25 50.5	1.105	1.937	21.2	20.6
11 17	5 55.65	+26 6.5	1.047	1.945	16.6	20.3
11 27	5 48.81	+26 19.6	1.008	1.955	11.3	20.1
12 7	5 38.95	+26 26.5	0.989	1.966	5.3	19.8
12 17	5 27.74	+26 25.1	0.995	1.978	2.0	19.6
12 27	5 17.26	+26 16.0	1.026	1.991	7.5	20.0
1 6	5 9.30	+26 2.6	1.080	2.006	12.9	20.3
1 16	5 4.95	+25 49.0	1.154	2.021	17.5	20.7

113382 2002 SW_{12} 12 14.9 301°.96 7°.6/13.7 18

11 7	5 55.82	+ 6 11.9	1.810	2.592	16.2	20.2
11 17	5 51.93	+ 5 5.1	1.727	2.584	13.4	20.0
11 27	5 45.55	+ 4 7.5	1.666	2.577	10.5	19.8
12 7	5 37.32	+ 3 24.1	1.629	2.570	8.2	19.7
12 17	5 28.15	+ 2 59.2	1.618	2.563	7.7	19.6
12 27	5 19.20	+ 2 55.1	1.634	2.556	9.6	19.7
1 6	5 11.56	+ 3 11.7	1.675	2.549	12.5	19.9
1 16	5 6.06	+ 3 46.3	1.738	2.543	15.5	20.1

199079 2005 XS_{77} 12 14.9 130°.94 1°.9/15.2 18

11 7	6 3.88	+27 54.8	1.801	2.587	16.1	20.8
11 17	5 58.42	+28 11.3	1.726	2.597	12.7	20.6
11 27	5 49.96	+28 23.5	1.671	2.607	8.6	20.4
12 7	5 39.31	+28 28.6	1.643	2.616	4.3	20.2
12 17	5 27.66	+28 24.7	1.643	2.624	2.1	20.0
12 27	5 16.45	+28 12.0	1.673	2.633	5.9	20.3
1 6	5 7.01	+27 53.4	1.730	2.640	10.0	20.5
1 16	5 0.25	+27 32.5	1.812	2.648	13.6	20.8

269424 2009 SE_{131} 12 14.9 128°.12 3°.3/15.2 18

11 7	6 6.00	+30 1.0	1.709	2.493	16.9	21.1
11 17	6 0.37	+30 39.8	1.636	2.505	13.4	20.9
11 27	5 51.44	+31 13.9	1.584	2.515	9.3	20.7
12 7	5 40.04	+31 38.3	1.557	2.526	5.2	20.5
12 17	5 27.48	+31 49.5	1.559	2.535	3.4	20.4
12 27	5 15.39	+31 47.0	1.589	2.545	6.6	20.6
1 6	5 5.24	+31 33.6	1.647	2.554	10.6	20.9
1 16	4 58.06	+31 13.9	1.728	2.562	14.3	21.1

372843 2010 VM_{91} 12 14.9 46°.16 1°.1/14.8 18

11 7	6 1.53	+23 4.3	1.171	1.994	20.8	20.7
11 17	5 57.58	+22 33.2	1.113	2.007	16.3	20.4
11 27	5 49.82	+21 59.2	1.073	2.020	10.9	20.2
12 7	5 39.32	+21 22.9	1.056	2.033	5.0	19.9
12 17	5 27.70	+20 45.8	1.064	2.047	1.8	19.7
12 27	5 16.90	+20 11.4	1.098	2.062	7.4	20.1
1 6	5 8.54	+19 43.4	1.156	2.077	12.8	20.5
1 16	5 3.60	+19 24.4	1.236	2.092	17.3	20.8

403516 2010 AN_{3} 12 14.9 357°.15 20°.2/21.6 17

11 7	5 49.12	−20 42.8	1.254	1.972	25.1	18.1
11 17	5 47.80	−21 40.5	1.197	1.960	23.7	18.0
11 27	5 43.32	−21 56.6	1.151	1.950	22.3	17.8
12 7	5 36.46	−21 20.1	1.119	1.944	21.0	17.7
12 17	5 28.40	−19 44.0	1.102	1.941	20.3	17.7
12 27	5 20.70	−17 8.6	1.104	1.940	20.3	17.7
1 6	5 14.78	−13 43.6	1.124	1.943	21.2	17.7
1 16	5 11.62	− 9 44.2	1.163	1.949	22.7	17.9

512868 2016 VJ_{19} 12 14.9 107°.77 4°.1/14.8 18

11 7	6 0.55	+12 28.9	1.777	2.563	16.3	21.0
11 17	5 55.52	+12 16.5	1.707	2.575	12.9	20.8
11 27	5 47.87	+12 12.0	1.657	2.587	9.1	20.6
12 7	5 38.33	+12 16.6	1.634	2.599	5.5	20.4
12 17	5 27.94	+12 30.8	1.638	2.611	4.2	20.3
12 27	5 17.95	+12 54.5	1.671	2.622	6.9	20.5
1 6	5 9.48	+13 26.6	1.732	2.633	10.6	20.8
1 16	5 3.36	+14 5.5	1.816	2.643	14.0	21.0

240961 2006 HB_{82} 12 14.9 85°.29 0°.6/14.9 18

11 7	5 59.88	+21 29.9	1.746	2.543	16.1	21.1
11 17	5 55.29	+21 31.9	1.669	2.549	12.6	20.9
11 27	5 47.88	+21 34.7	1.614	2.554	8.4	20.7
12 7	5 38.40	+21 37.3	1.584	2.559	3.9	20.4
12 17	5 27.92	+21 39.2	1.582	2.565	1.2	20.2
12 27	5 17.81	+21 40.5	1.609	2.570	5.8	20.5
1 6	5 9.30	+21 42.3	1.663	2.576	10.1	20.8
1 16	5 3.29	+21 46.2	1.741	2.581	13.9	21.1

218139 2002 RV_{29} 12 14.9 90°.46 0°.5/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 4.83	+23 30.8	1.525	2.322	18.0	21.2
11 17	5 59.23	+23 10.5	1.463	2.343	14.0	21.0
11 27	5 50.46	+22 47.6	1.423	2.363	9.3	20.8
12 7	5 39.49	+22 21.7	1.408	2.384	4.2	20.5
12 17	5 27.68	+21 53.5	1.420	2.403	1.2	20.3
12 27	5 16.60	+21 25.1	1.461	2.423	6.3	20.7
1 6	5 7.58	+20 59.6	1.529	2.442	10.9	21.0
1 16	5 1.48	+20 39.7	1.620	2.460	14.7	21.3

92806 2000 QZ_{163} 12 14.9 225°.53 0°.4/15.0 18

11 7	6 1.89	+26 8.9	1.793	2.584	15.9	19.9
11 17	5 56.94	+25 45.8	1.703	2.579	12.6	19.7
11 27	5 49.04	+25 17.1	1.635	2.574	8.5	19.4
12 7	5 38.95	+24 41.9	1.593	2.569	3.9	19.1
12 17	5 27.79	+24 0.9	1.580	2.563	1.0	18.9
12 27	5 16.98	+23 16.2	1.595	2.557	5.8	19.2
1 6	5 7.83	+22 31.8	1.639	2.551	10.3	19.5
1 16	5 1.26	+21 51.6	1.707	2.544	14.2	19.7

505649 2014 QL_{443} 12 14.9 141°.49 15°.6/11.9 17

11 7	6 2.47	− 4 20.8	1.310	2.072	22.2	21.6
11 17	5 57.76	− 6 58.6	1.256	2.078	19.6	21.5
11 27	5 49.74	− 9 15.8	1.221	2.084	17.2	21.3
12 7	5 39.29	−10 59.9	1.206	2.089	15.8	21.3
12 17	5 27.72	−12 0.7	1.214	2.094	15.8	21.3
12 27	5 16.69	−12 14.2	1.242	2.099	17.2	21.4
1 6	5 7.65	−11 43.9	1.291	2.103	19.4	21.5
1 16	5 1.57	−10 38.0	1.356	2.107	21.7	21.7

478445 2012 KZ_{4} 12 14.9 125°.25 0°.9/14.9 18

11 7	6 4.72	+20 49.2	1.828	2.612	16.0	22.8
11 17	5 58.75	+20 50.0	1.757	2.629	12.5	22.6
11 27	5 50.01	+20 51.6	1.709	2.646	8.3	22.4
12 7	5 39.30	+20 53.3	1.687	2.662	3.8	22.1
12 17	5 27.74	+20 54.3	1.695	2.678	1.3	22.0
12 27	5 16.68	+20 55.1	1.732	2.692	5.7	22.3
1 6	5 7.30	+20 56.7	1.798	2.706	9.8	22.6
1 16	5 0.43	+21 0.5	1.889	2.719	13.4	22.8

302743 2002 UE_{28} 12 14.9 48°.88 2°.1/14.9 18

11 7	6 1.23	+25 41.8	1.664	2.462	16.7	20.1
11 17	5 56.65	+26 32.4	1.594	2.473	13.1	19.8
11 27	5 48.96	+27 22.9	1.546	2.484	8.9	19.6
12 7	5 38.95	+28 9.0	1.522	2.496	4.5	19.4
12 17	5 27.81	+28 46.8	1.527	2.508	2.3	19.3
12 27	5 17.05	+29 14.6	1.560	2.520	6.2	19.6
1 6	5 8.06	+29 33.0	1.620	2.532	10.4	19.8
1 16	5 1.83	+29 44.6	1.704	2.545	14.1	20.1

128580 2004 PT_{105} 12 14.9 17°.92 2°.0/14.5 18

11 7	5 56.57	+21 56.0	1.648	2.455	16.4	18.7
11 17	5 52.72	+21 0.4	1.576	2.461	12.8	18.5
11 27	5 46.12	+20 1.5	1.525	2.467	8.6	18.3
12 7	5 37.57	+19 1.4	1.499	2.474	4.2	18.0
12 17	5 28.19	+18 3.0	1.501	2.482	2.3	17.9
12 27	5 19.32	+17 10.2	1.531	2.491	6.3	18.2
1 6	5 12.10	+16 26.5	1.588	2.500	10.6	18.5
1 16	5 7.33	+15 53.9	1.668	2.510	14.3	18.7

152741 1998 WT_{42} 12 14.9 59°.01 1°.2/15.1 18

11 7	6 7.66	+26 25.8	1.279	2.084	20.4	19.7
11 17	6 1.75	+26 26.5	1.237	2.120	15.8	19.6
11 27	5 52.20	+26 22.4	1.215	2.156	10.5	19.4
12 7	5 40.24	+26 11.1	1.216	2.192	4.9	19.1
12 17	5 27.58	+25 52.0	1.244	2.227	1.6	19.0
12 27	5 16.06	+25 27.3	1.300	2.263	6.7	19.4
1 6	5 7.14	+25 1.1	1.381	2.298	11.4	19.8
1 16	5 1.58	+24 37.5	1.485	2.332	15.4	20.1

351397 2005 ET_{234} 12 14.9 358°.34 8°.6/14.5 18

11 7	5 52.17	+ 7 28.1	1.219	2.040	20.3	20.3
11 17	5 50.17	+ 6 30.5	1.152	2.035	16.7	20.0
11 27	5 44.92	+ 5 46.3	1.104	2.032	12.9	19.8
12 7	5 37.21	+ 5 22.1	1.076	2.030	9.6	19.6
12 17	5 28.28	+ 5 22.3	1.071	2.029	8.7	19.6
12 27	5 19.72	+ 5 48.5	1.090	2.031	11.0	19.7
1 6	5 12.99	+ 6 37.9	1.131	2.033	14.8	19.9
1 16	5 9.12	+ 7 45.2	1.192	2.038	18.6	20.2

87026 2000 JH_{76} 12 14.9 211°.26 0°.9/14.9 18

11 7	6 1.82	+21 10.2	2.018	2.801	14.7	21.0
11 17	5 56.57	+21 5.6	1.923	2.795	11.5	20.8
11 27	5 48.69	+21 1.2	1.851	2.788	7.8	20.5
12 7	5 38.80	+20 56.5	1.806	2.781	3.6	20.2
12 17	5 27.88	+20 51.1	1.789	2.772	1.3	20.1
12 27	5 17.14	+20 45.6	1.804	2.763	5.5	20.3
1 6	5 7.77	+20 41.3	1.846	2.754	9.6	20.6
1 16	5 0.64	+20 39.7	1.914	2.744	13.2	20.8

412897 2014 QE_{78} 12 14.9 105°.62 1°.8/15.4 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 0.40	+29 43.4	2.153	2.932	14.0	21.4
11 17	5 55.21	+29 37.0	2.073	2.941	11.0	21.2
11 27	5 47.57	+29 24.2	2.017	2.950	7.5	21.0
12 7	5 38.19	+29 3.6	1.987	2.959	3.9	20.8
12 17	5 28.07	+28 34.6	1.987	2.967	1.9	20.7
12 27	5 18.37	+27 58.8	2.016	2.976	5.0	20.9
1 6	5 10.13	+27 19.4	2.075	2.984	8.6	21.1
1 16	5 4.10	+26 39.7	2.159	2.992	11.8	21.4

177597 2004 GB_{48} 12 14.9 285°.55 0°.6/14.9 18

11 7	5 58.11	+21 48.2	1.927	2.721	14.9	20.9
11 17	5 53.78	+21 45.2	1.838	2.716	11.7	20.7
11 27	5 46.85	+21 42.1	1.772	2.712	7.9	20.5
12 7	5 37.97	+21 38.5	1.731	2.707	3.6	20.2
12 17	5 28.10	+21 34.0	1.719	2.703	1.1	20.0
12 27	5 18.46	+21 29.3	1.737	2.698	5.5	20.3
1 6	5 10.20	+21 25.5	1.781	2.694	9.6	20.5
1 16	5 4.19	+21 24.2	1.851	2.689	13.2	20.8

464476 2016 BA_{51} 12 14.9 344°.65 6°.4/15.1 17

11 7	5 55.77	+ 3 38.1	2.149	2.911	14.5	20.8
11 17	5 51.50	+ 3 26.2	2.065	2.909	12.1	20.6
11 27	5 45.09	+ 3 27.1	2.003	2.907	9.4	20.4
12 7	5 37.10	+ 3 43.6	1.966	2.906	7.1	20.3
12 17	5 28.33	+ 4 16.8	1.957	2.904	6.4	20.3
12 27	5 19.75	+ 5 6.2	1.976	2.903	7.9	20.4
1 6	5 12.26	+ 6 9.3	2.022	2.902	10.4	20.5
1 16	5 6.59	+ 7 22.7	2.094	2.901	13.1	20.7

227122 2005 NW_{122} 12 14.9 69°.99 1°.9/14.9 18

11 7	6 3.08	+17 21.8	1.414	2.217	18.9	19.9
11 17	5 58.14	+17 36.6	1.354	2.236	14.8	19.7
11 27	5 49.93	+17 57.5	1.315	2.255	10.0	19.5
12 7	5 39.36	+18 23.4	1.300	2.275	4.8	19.3
12 17	5 27.78	+18 52.8	1.312	2.294	2.2	19.1
12 27	5 16.81	+19 24.1	1.352	2.313	6.7	19.5
1 6	5 7.87	+19 56.7	1.418	2.332	11.4	19.8
1 16	5 1.90	+20 30.4	1.507	2.351	15.4	20.1

125813 2001 XN_{164} 12 14.9 251°.34 1°.4/14.8 18

11 7	6 0.23	+20 23.9	1.840	2.632	15.5	20.1
11 17	5 55.64	+20 11.3	1.743	2.620	12.3	19.8
11 27	5 48.25	+19 59.1	1.668	2.607	8.4	19.6
12 7	5 38.67	+19 47.3	1.619	2.594	4.0	19.3
12 17	5 27.92	+19 36.1	1.598	2.580	1.7	19.1
12 27	5 17.31	+19 26.6	1.606	2.566	6.0	19.3
1 6	5 8.12	+19 20.1	1.642	2.552	10.4	19.6
1 16	5 1.33	+19 18.3	1.702	2.537	14.4	19.8

485446 2011 QS_{85} 12 14.9 24°.13 4°.6/15.3 17

11 7	5 58.47	+30 8.1	1.031	1.867	22.2	20.2
11 17	5 55.83	+30 59.8	0.992	1.889	17.5	20.0
11 27	5 48.92	+31 43.6	0.971	1.914	12.2	19.8
12 7	5 38.99	+32 13.3	0.970	1.941	6.9	19.6
12 17	5 27.90	+32 24.6	0.992	1.970	4.7	19.6
12 27	5 17.86	+32 18.1	1.039	2.000	8.3	19.9
1 6	5 10.63	+31 58.8	1.108	2.031	12.9	20.2
1 16	5 7.14	+31 33.3	1.198	2.064	17.1	20.6

70508 1999 TC_{103} 12 14.9 77°.04 1°.7/15.1 18

11 7	6 3.22	+16 13.3	1.711	2.499	16.7	19.2
11 17	5 57.72	+16 46.4	1.647	2.521	13.1	19.1
11 27	5 49.40	+17 26.4	1.606	2.543	8.8	18.9
12 7	5 39.07	+18 11.6	1.591	2.564	4.3	18.6
12 17	5 27.86	+18 59.6	1.604	2.586	1.9	18.5
12 27	5 17.12	+19 48.3	1.647	2.607	5.9	18.8
1 6	5 8.09	+20 36.0	1.719	2.628	10.1	19.1
1 16	5 1.59	+21 22.2	1.815	2.649	13.6	19.4

372099 2008 ST_{102} 12 14.9 117°.24 2°.2/15.2 17

11 7	5 58.94	+30 6.2	2.700	3.468	11.7	21.9
11 17	5 53.66	+30 31.0	2.621	3.482	9.2	21.7
11 27	5 46.36	+30 51.6	2.566	3.495	6.4	21.6
12 7	5 37.62	+31 5.7	2.540	3.507	3.5	21.4
12 17	5 28.23	+31 12.0	2.543	3.520	2.3	21.3
12 27	5 19.10	+31 10.4	2.577	3.532	4.5	21.5
1 6	5 11.10	+31 2.1	2.641	3.544	7.3	21.7
1 16	5 4.89	+30 49.6	2.731	3.555	9.9	21.9

97779 2000 KA_{67} 12 14.9 212°.50 13°.6/17.1 18

11 7	6 6.25	− 7 35.0	1.312	2.055	23.1	18.6
11 17	6 1.09	− 8 0.5	1.238	2.052	20.3	18.4
11 27	5 52.29	− 7 55.0	1.180	2.049	17.3	18.2
12 7	5 40.63	− 7 9.7	1.141	2.046	14.7	18.1
12 17	5 27.43	− 5 40.2	1.126	2.042	13.6	18.0
12 27	5 14.49	− 3 29.2	1.135	2.038	14.7	18.0
1 6	5 3.54	− 0 46.6	1.168	2.034	17.4	18.2
1 16	4 55.79	+ 2 14.3	1.223	2.029	20.6	18.4

293011 2006 WV_{37} 12 14.9 47°.12 3°.4/14.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 57.13	+15 36.4	1.833	2.628	15.5	21.5
11 17	5 52.89	+15 4.7	1.757	2.633	12.2	21.3
11 27	5 46.15	+14 36.7	1.704	2.639	8.5	21.0
12 7	5 37.61	+14 14.2	1.675	2.644	4.8	20.8
12 17	5 28.24	+13 58.9	1.675	2.650	3.6	20.8
12 27	5 19.22	+13 52.0	1.703	2.656	6.5	21.0
1 6	5 11.62	+13 54.3	1.758	2.662	10.3	21.2
1 16	5 6.23	+14 5.3	1.837	2.668	13.6	21.4

74961 1999 TV_{200} 12 14.9 140°.90 1°.8/14.8 18

11 7	6 3.77	+19 45.1	1.721	2.510	16.6	19.6
11 17	5 58.22	+19 23.9	1.646	2.521	13.0	19.4
11 27	5 49.79	+19 3.4	1.593	2.531	8.8	19.1
12 7	5 39.27	+18 43.9	1.566	2.540	4.3	18.9
12 17	5 27.82	+18 26.2	1.567	2.549	2.2	18.8
12 27	5 16.84	+18 11.7	1.598	2.557	6.2	19.0
1 6	5 7.59	+18 2.2	1.656	2.564	10.5	19.3
1 16	5 0.92	+17 58.8	1.739	2.571	14.3	19.6

99181 2001 FV_{176} 12 14.9 26°.60 3°.9/15.2 18

11 7	6 0.41	+12 39.2	1.274	2.085	20.1	18.9
11 17	5 56.60	+12 57.8	1.205	2.090	16.0	18.7
11 27	5 49.27	+13 29.7	1.156	2.094	11.2	18.4
12 7	5 39.22	+14 15.2	1.129	2.100	6.2	18.2
12 17	5 27.81	+15 12.3	1.127	2.105	4.0	18.0
12 27	5 16.79	+16 17.9	1.152	2.112	7.9	18.3
1 6	5 7.79	+17 28.1	1.202	2.118	12.8	18.6
1 16	5 1.93	+18 39.8	1.274	2.126	17.2	18.9

337687 2001 TD_{235} 12 14.9 95°.65 2°.3/14.9 18

11 7	6 3.64	+16 41.7	1.706	2.494	16.8	21.0
11 17	5 57.96	+16 43.0	1.644	2.517	13.1	20.8
11 27	5 49.51	+16 49.3	1.603	2.539	8.9	20.7
12 7	5 39.10	+17 0.2	1.589	2.561	4.5	20.4
12 17	5 27.88	+17 15.2	1.602	2.582	2.5	20.4
12 27	5 17.23	+17 34.0	1.646	2.603	6.2	20.6
1 6	5 8.30	+17 56.3	1.716	2.624	10.2	20.9
1 16	5 1.92	+18 21.9	1.812	2.644	13.8	21.2

480885 2002 AC_{29} 12 14.9 279°.79 1°.1/15.2 17

11 7	6 21.93	+13 54.7	1.275	2.047	22.2	20.9
11 17	6 16.25	+15 7.9	1.136	1.998	18.5	20.4
11 27	6 5.07	+16 50.1	1.016	1.947	13.3	20.0
12 7	5 47.89	+19 2.8	0.919	1.892	6.6	19.4
12 17	5 25.17	+21 39.7	0.852	1.835	2.0	18.9
12 27	4 59.07	+24 25.4	0.817	1.775	10.6	19.2
1 6	4 33.15	+27 2.9	0.812	1.712	19.3	19.4
1 16	4 11.04	+29 23.6	0.831	1.646	27.3	19.6

84689 2002 VY_{102} 12 14.9 147°.60 4°.1/15.4 18

11 7	6 6.16	+32 51.4	1.761	2.539	16.7	20.1
11 17	6 0.56	+33 25.8	1.683	2.546	13.4	19.9
11 27	5 51.64	+33 52.7	1.626	2.553	9.6	19.7
12 7	5 40.21	+34 7.3	1.595	2.559	5.8	19.5
12 17	5 27.58	+34 6.0	1.592	2.564	4.2	19.4
12 27	5 15.41	+33 48.7	1.617	2.569	6.9	19.6
1 6	5 5.19	+33 19.1	1.670	2.574	10.7	19.8
1 16	4 57.94	+32 42.7	1.746	2.578	14.2	20.1

168831 2000 SZ_{334} 12 14.9 71°.64 1°.6/15.0 18

11 7	6 6.38	+24 46.2	1.276	2.084	20.2	19.4
11 17	6 1.23	+25 23.1	1.221	2.106	15.8	19.2
11 27	5 52.25	+25 59.2	1.186	2.128	10.6	19.0
12 7	5 40.48	+26 30.3	1.174	2.149	5.0	18.7
12 17	5 27.54	+26 52.6	1.189	2.171	2.0	18.6
12 27	5 15.41	+27 5.1	1.230	2.193	7.0	19.0
1 6	5 5.76	+27 10.0	1.297	2.214	12.0	19.3
1 16	4 59.60	+27 11.2	1.386	2.235	16.2	19.6

443272 2014 EE_{27} 12 14.9 118°.61 0°.4/14.9 18

11 7	6 1.43	+21 51.9	1.846	2.636	15.6	21.7
11 17	5 56.34	+21 58.5	1.770	2.646	12.2	21.5
11 27	5 48.52	+22 5.6	1.716	2.655	8.2	21.3
12 7	5 38.72	+22 12.0	1.689	2.664	3.7	21.0
12 17	5 28.00	+22 16.8	1.690	2.673	1.0	20.8
12 27	5 17.66	+22 20.1	1.720	2.682	5.5	21.2
1 6	5 8.88	+22 23.0	1.779	2.690	9.7	21.4
1 16	5 2.52	+22 27.0	1.862	2.698	13.3	21.7

380156 2000 BX_{20} 12 14.9 5°.95 4°.7/14.9 18

11 7	5 53.32	+14 22.4	1.000	1.844	22.1	19.7
11 17	5 51.79	+14 7.6	0.940	1.843	17.6	19.4
11 27	5 46.39	+14 3.3	0.898	1.845	12.4	19.1
12 7	5 38.01	+14 12.2	0.875	1.848	7.0	18.9
12 17	5 28.16	+14 35.2	0.874	1.852	4.8	18.8
12 27	5 18.83	+15 11.4	0.897	1.859	9.0	19.0
1 6	5 11.79	+15 58.2	0.941	1.867	14.3	19.3
1 16	5 8.21	+16 52.5	1.005	1.877	19.1	19.6

417861 2007 JW_{17} 12 14.9 111°.51 4°.9/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	5 55.91	+ 7 12.5	2.428	3.192	13.0	21.5
11 17	5 51.28	+ 6 58.3	2.350	3.200	10.6	21.4
11 27	5 44.77	+ 6 53.1	2.294	3.207	7.9	21.2
12 7	5 36.93	+ 6 58.7	2.266	3.215	5.6	21.1
12 17	5 28.47	+ 7 15.9	2.266	3.222	4.9	21.0
12 27	5 20.24	+ 7 44.7	2.296	3.230	6.5	21.1
1 6	5 13.02	+ 8 23.6	2.354	3.237	9.0	21.3
1 16	5 7.44	+ 9 10.9	2.437	3.244	11.5	21.5

517581 2014 UY_{230} 12 14.9 143°.51 3°.6/14.3 17

11 7	5 55.50	+13 9.8	2.505	3.281	12.4	21.9
11 17	5 50.93	+12 32.3	2.422	3.285	9.8	21.7
11 27	5 44.52	+11 58.5	2.363	3.290	7.0	21.6
12 7	5 36.81	+11 30.4	2.332	3.294	4.4	21.4
12 17	5 28.51	+11 9.5	2.330	3.298	3.7	21.4
12 27	5 20.44	+10 57.2	2.358	3.302	5.7	21.5
1 6	5 13.38	+10 54.0	2.415	3.305	8.5	21.7
1 16	5 7.94	+10 59.6	2.497	3.309	11.1	21.9

378564 2008 CF_{197} 12 14.9 269°.81 1°.6/14.8 18

11 7	6 0.88	+20 16.0	1.463	2.270	18.2	21.8
11 17	5 56.79	+20 4.0	1.379	2.264	14.4	21.6
11 27	5 49.35	+19 53.2	1.315	2.257	9.8	21.3
12 7	5 39.29	+19 43.6	1.275	2.251	4.7	21.0
12 17	5 27.86	+19 35.3	1.262	2.244	2.0	20.8
12 27	5 16.69	+19 29.4	1.275	2.237	7.0	21.1
1 6	5 7.36	+19 27.4	1.315	2.230	12.0	21.4
1 16	5 0.98	+19 30.9	1.377	2.224	16.4	21.6

461375 2001 FC_{102} 12 14.9 244°.43 8°.5/12.4 18

11 7	5 54.77	− 5 0.1	2.862	3.574	12.4	21.7
11 17	5 50.26	− 6 14.5	2.768	3.557	10.9	21.5
11 27	5 44.07	− 7 18.0	2.696	3.540	9.5	21.4
12 7	5 36.64	− 8 5.9	2.650	3.522	8.6	21.3
12 17	5 28.55	− 8 34.8	2.630	3.503	8.6	21.3
12 27	5 20.53	− 8 42.5	2.637	3.484	9.4	21.3
1 6	5 13.28	− 8 29.5	2.670	3.465	10.9	21.4
1 16	5 7.38	− 7 57.7	2.725	3.445	12.5	21.5

8394 1993 TM_{12} 12 14.9 7°.93 1°.9/14.9 18 R

11 7	5 58.16	+19 35.7	1.147	1.976	20.7	17.1
11 17	5 55.31	+19 28.9	1.079	1.977	16.4	16.8
11 27	5 48.64	+19 25.5	1.030	1.978	11.1	16.5
12 7	5 39.02	+19 25.5	1.003	1.979	5.3	16.2
12 17	5 27.94	+19 28.8	1.000	1.982	2.3	16.0
12 27	5 17.35	+19 35.8	1.021	1.986	7.8	16.4
1 6	5 9.01	+19 47.3	1.067	1.990	13.3	16.7
1 16	5 4.09	+20 3.9	1.132	1.995	18.1	17.0

200895 2002 AR_{38} 12 14.9 269°.81 3°.5/14.8 18

11 7	5 59.29	+14 39.0	1.784	2.575	16.0	20.0
11 17	5 55.02	+14 25.6	1.684	2.558	12.8	19.7
11 27	5 47.93	+14 17.9	1.606	2.540	9.0	19.5
12 7	5 38.61	+14 17.2	1.553	2.522	5.1	19.2
12 17	5 28.02	+14 24.4	1.528	2.504	3.6	19.1
12 27	5 17.47	+14 39.9	1.531	2.486	7.0	19.2
1 6	5 8.26	+15 3.6	1.562	2.467	11.2	19.4
1 16	5 1.41	+15 34.9	1.616	2.448	15.1	19.6

416409 2003 UJ_{154} 12 14.9 26°.97 3°.3/15.1 17

11 7	5 58.69	+29 21.3	1.779	2.574	15.9	20.4
11 17	5 54.59	+30 11.3	1.709	2.585	12.5	20.2
11 27	5 47.57	+30 57.8	1.662	2.596	8.7	20.0
12 7	5 38.37	+31 36.5	1.639	2.608	4.9	19.8
12 17	5 28.12	+32 3.9	1.644	2.621	3.4	19.7
12 27	5 18.25	+32 18.8	1.677	2.634	6.3	19.9
1 6	5 10.04	+32 22.7	1.737	2.647	10.0	20.2
1 16	5 4.43	+32 19.1	1.822	2.662	13.3	20.4

256573 2007 TP_{74} 12 14.9 107°.72 1°.2/14.9 18

11 7	6 4.81	+21 27.3	1.438	2.240	18.7	21.1
11 17	5 59.56	+21 12.2	1.372	2.254	14.6	20.9
11 27	5 50.94	+20 56.9	1.326	2.267	9.8	20.6
12 7	5 39.89	+20 41.1	1.305	2.280	4.6	20.4
12 17	5 27.78	+20 25.1	1.310	2.293	1.7	20.2
12 27	5 16.31	+20 10.3	1.344	2.305	6.7	20.6
1 6	5 6.94	+19 59.0	1.404	2.317	11.6	20.9
1 16	5 0.61	+19 53.2	1.486	2.329	15.7	21.2

133035 2003 AP_2 12 14.9 22°.37 21°.2/20.2 17

11 7	6 1.48	−16 52.4	0.997	1.740	28.8	19.1
11 17	5 58.03	−18 10.2	0.950	1.743	26.6	18.9
11 27	5 50.50	−18 43.6	0.914	1.746	24.2	18.7
12 7	5 39.87	−18 18.9	0.891	1.750	22.3	18.6
12 17	5 27.77	−16 47.8	0.885	1.755	21.2	18.6
12 27	5 16.28	−14 12.3	0.895	1.760	21.5	18.6
1 6	5 7.27	−10 45.9	0.925	1.766	23.0	18.8
1 16	5 1.92	− 6 48.1	0.972	1.773	25.1	18.9

222415 2001 FB_{172} 12 14.9 255°.58 3°.9/14.7 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 2.30	+31 33.4	2.417	3.183	13.0	19.7
11 17	5 57.01	+32 45.5	2.318	3.174	10.5	19.5
11 27	5 49.12	+33 55.7	2.243	3.165	7.6	19.3
12 7	5 39.13	+34 59.2	2.197	3.156	4.8	19.1
12 17	5 27.93	+35 51.4	2.180	3.147	4.0	19.0
12 27	5 16.67	+36 29.8	2.194	3.138	6.0	19.2
1 6	5 6.56	+36 54.5	2.237	3.129	9.0	19.3
1 16	4 58.57	+37 7.7	2.306	3.119	11.8	19.5

403045 2008 AD_{29} 12 14.9 288°.29 5°.7/16.0 17

11 7	6 2.91	+38 29.3	1.901	2.670	15.9	21.2
11 17	5 58.20	+38 52.3	1.806	2.658	13.1	21.0
11 27	5 50.20	+39 3.6	1.732	2.646	10.0	20.8
12 7	5 39.66	+38 57.9	1.683	2.634	7.0	20.6
12 17	5 27.82	+38 31.6	1.660	2.622	5.7	20.5
12 27	5 16.30	+37 45.2	1.666	2.610	7.5	20.5
1 6	5 6.61	+36 43.1	1.699	2.599	10.8	20.7
1 16	4 59.81	+35 32.5	1.756	2.587	14.2	20.9

490611 2009 WU_{203} 12 14.9 17°.05 2°.1/14.6 17

11 7	5 55.84	+19 57.9	1.921	2.720	14.8	21.1
11 17	5 51.84	+19 16.2	1.843	2.723	11.6	20.9
11 27	5 45.43	+18 33.7	1.787	2.727	7.8	20.7
12 7	5 37.32	+17 52.0	1.758	2.731	3.9	20.5
12 17	5 28.44	+17 13.0	1.756	2.736	2.4	20.4
12 27	5 19.93	+16 39.3	1.784	2.741	5.8	20.6
1 6	5 12.79	+16 12.9	1.839	2.747	9.6	20.8
1 16	5 7.77	+15 55.0	1.918	2.753	13.0	21.1

54073 2000 GG_{149} 12 14.9 87°.40 1°.8/15.2 18

11 7	6 5.30	+27 5.6	1.587	2.380	17.6	19.1
11 17	5 59.74	+27 24.0	1.525	2.401	13.8	18.9
11 27	5 50.96	+27 38.5	1.484	2.421	9.3	18.7
12 7	5 39.86	+27 46.0	1.468	2.442	4.6	18.5
12 17	5 27.82	+27 44.5	1.480	2.462	2.0	18.3
12 27	5 16.44	+27 34.4	1.520	2.481	6.2	18.7
1 6	5 7.11	+27 18.8	1.588	2.501	10.5	19.0
1 16	5 0.73	+27 1.6	1.679	2.520	14.3	19.2

29136 1987 SQ_4 12 14.9 70°.96 3°.7/14.6 18

11 7	5 59.16	+14 41.5	1.846	2.635	15.6	18.7
11 17	5 54.24	+14 5.4	1.785	2.657	12.3	18.5
11 27	5 46.91	+13 34.0	1.747	2.679	8.6	18.3
12 7	5 37.93	+13 9.2	1.734	2.701	5.0	18.2
12 17	5 28.31	+12 52.7	1.750	2.722	3.9	18.1
12 27	5 19.20	+12 45.7	1.794	2.744	6.5	18.4
1 6	5 11.59	+12 48.4	1.866	2.766	10.0	18.6
1 16	5 6.19	+13 0.2	1.962	2.787	13.1	18.9

400839 2010 LE_{60} 12 14.9 80°.17 5°.8/14.2 18

11 7	5 59.04	+ 8 53.8	1.997	2.772	15.1	21.1
11 17	5 53.86	+ 7 54.9	1.941	2.797	12.2	20.9
11 27	5 46.51	+ 7 4.0	1.906	2.822	9.1	20.8
12 7	5 37.71	+ 6 24.8	1.898	2.847	6.5	20.7
12 17	5 28.38	+ 5 59.8	1.918	2.872	5.9	20.7
12 27	5 19.53	+ 5 50.5	1.967	2.896	7.7	20.8
1 6	5 12.06	+ 5 56.3	2.042	2.920	10.4	21.0
1 16	5 6.60	+ 6 15.3	2.142	2.944	13.0	21.3

177138 2003 QE_6 12 14.9 46°.96 5°.4/14.9 18

11 7	6 0.68	+12 34.9	1.129	1.949	21.6	19.7
11 17	5 56.83	+12 9.2	1.078	1.966	17.2	19.4
11 27	5 49.32	+11 54.7	1.045	1.983	12.2	19.2
12 7	5 39.20	+11 54.2	1.033	2.001	7.3	19.0
12 17	5 27.99	+12 8.8	1.046	2.019	5.6	19.0
12 27	5 17.55	+12 37.9	1.083	2.038	9.0	19.2
1 6	5 9.42	+13 19.0	1.144	2.058	13.6	19.5
1 16	5 4.57	+14 9.0	1.226	2.077	17.8	19.9

172929 2005 GM_{170} 12 14.9 279°.53 2°.1/14.6 17

11 7	5 58.54	+19 27.1	1.882	2.675	15.2	20.9
11 17	5 54.32	+18 57.9	1.779	2.656	12.0	20.6
11 27	5 47.40	+18 28.2	1.697	2.636	8.3	20.3
12 7	5 38.36	+17 59.1	1.642	2.616	4.2	20.0
12 17	5 28.16	+17 31.9	1.615	2.595	2.4	19.9
12 27	5 18.04	+17 8.6	1.617	2.575	6.2	20.1
1 6	5 9.23	+16 51.1	1.646	2.554	10.5	20.3
1 16	5 2.72	+16 41.3	1.699	2.534	14.4	20.5

29194 1990 WJ_4 12 14.9 256°.10 3°.0/14.9 18 R

11 7	5 59.80	+15 47.0	1.668	2.465	16.7	18.4
11 17	5 55.48	+15 39.8	1.582	2.459	13.3	18.1
11 27	5 48.24	+15 38.1	1.516	2.453	9.2	17.9
12 7	5 38.75	+15 42.9	1.476	2.447	5.0	17.6
12 17	5 28.07	+15 54.3	1.463	2.441	3.2	17.5
12 27	5 17.59	+16 12.5	1.478	2.435	6.8	17.7
1 6	5 8.65	+16 37.0	1.520	2.429	11.2	17.9
1 16	5 2.23	+17 7.3	1.585	2.423	15.1	18.2

11263 Pesonen 12 14.9 141°.46 4°.8/16.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 7.10	+43 16.2	3.112	3.828	11.4	19.9
11 17	5 59.82	+43 27.1	3.031	3.843	9.5	19.8
11 27	5 50.36	+43 26.4	2.974	3.858	7.4	19.6
12 7	5 39.43	+43 11.2	2.944	3.872	5.6	19.5
12 17	5 27.96	+42 39.7	2.944	3.885	4.8	19.5
12 27	5 16.98	+41 53.1	2.975	3.898	5.7	19.6
1 6	5 7.42	+40 54.5	3.036	3.910	7.5	19.7
1 16	4 59.91	+39 48.7	3.124	3.921	9.5	19.9

211790 2004 CB_{60} 12 14.9 329°.42 1°.1/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.87	+20 10.2	1.690	2.493	16.3	20.2
11 17	5 54.01	+20 14.2	1.605	2.487	12.8	20.0
11 27	5 47.27	+20 20.5	1.541	2.482	8.7	19.7
12 7	5 38.32	+20 28.6	1.501	2.477	4.1	19.4
12 17	5 28.21	+20 37.8	1.489	2.472	1.5	19.2
12 27	5 18.32	+20 47.9	1.505	2.467	6.0	19.5
1 6	5 9.96	+20 59.5	1.548	2.463	10.6	19.8
1 16	5 4.10	+21 13.4	1.615	2.460	14.5	20.0

493316 2014 UF_{195} 12 14.9 287°.68 0°.8/15.0 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.59	+24 27.6	2.220	3.006	13.4	21.2
11 17	5 53.22	+24 50.4	2.124	2.997	10.5	21.0
11 27	5 46.46	+25 13.0	2.051	2.989	7.1	20.8
12 7	5 37.88	+25 33.4	2.005	2.980	3.4	20.5
12 17	5 28.33	+25 50.1	1.988	2.971	1.2	20.3
12 27	5 18.89	+26 2.3	2.001	2.962	4.9	20.6
1 6	5 10.61	+26 10.7	2.042	2.953	8.6	20.8
1 16	5 4.35	+26 16.7	2.109	2.944	12.0	21.0

448918 2011 UU_{379} 12 14.9 40°.62 0°.2/14.9 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.24	+23 10.4	1.498	2.307	17.7	21.3
11 17	5 55.11	+23 6.4	1.437	2.324	13.8	21.1
11 27	5 47.90	+23 1.3	1.397	2.340	9.2	20.9
12 7	5 38.51	+22 54.2	1.382	2.358	4.2	20.6
12 17	5 28.21	+22 44.9	1.392	2.376	1.1	20.5
12 27	5 18.52	+22 34.3	1.431	2.394	6.1	20.8
1 6	5 10.73	+22 24.5	1.496	2.413	10.6	21.2
1 16	5 5.70	+22 17.7	1.583	2.433	14.5	21.4

195869 2002 QK_{102} 12 15.0 239°.12 0°.6/15.1 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.94	+25 11.8	2.452	3.233	12.4	20.8
11 17	5 52.38	+25 16.8	2.359	3.230	9.7	20.6
11 27	5 45.71	+25 19.8	2.289	3.226	6.6	20.4
12 7	5 37.48	+25 19.6	2.247	3.222	3.1	20.2
12 17	5 28.47	+25 15.7	2.235	3.218	0.9	20.0
12 27	5 19.64	+25 8.3	2.253	3.214	4.4	20.3
1 6	5 11.91	+24 58.7	2.300	3.210	7.9	20.5
1 16	5 5.99	+24 48.6	2.373	3.205	10.9	20.7

1348 Michel 12 15.0 341°.35 0°.4/15.0 18 R

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.88	+20 56.2	1.649	2.456	16.5	14.9
11 17	5 53.39	+21 16.5	1.564	2.448	13.0	14.7
11 27	5 46.95	+21 39.9	1.499	2.442	8.8	14.4
12 7	5 38.22	+22 4.9	1.459	2.435	4.0	14.1
12 17	5 28.27	+22 29.7	1.446	2.430	1.1	13.9
12 27	5 18.48	+22 53.4	1.461	2.425	6.0	14.2
1 6	5 10.24	+23 15.7	1.503	2.420	10.6	14.5
1 16	5 4.56	+23 37.4	1.568	2.417	14.7	14.7

298166 2002 TF_{110} 12 15.0 26°.09 10°.4/15.6 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 55.21	+ 1 18.2	1.270	2.067	20.9	19.3
11 17	5 52.09	+ 0 24.9	1.223	2.083	17.6	19.2
11 27	5 45.92	− 0 6.8	1.194	2.101	14.1	19.0
12 7	5 37.63	− 0 11.0	1.186	2.120	11.3	18.9
12 17	5 28.47	+ 0 15.1	1.201	2.140	10.5	18.9
12 27	5 19.93	+ 1 10.0	1.239	2.162	11.9	19.1
1 6	5 13.26	+ 2 28.3	1.300	2.184	14.7	19.3
1 16	5 9.29	+ 4 2.4	1.382	2.207	17.6	19.5

420917 2013 NB_2 12 15.0 78°.59 0°.7/15.2 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 58.93	+26 38.0	2.379	3.157	12.8	20.8
11 17	5 53.71	+26 26.7	2.310	3.179	10.0	20.7
11 27	5 46.41	+26 11.5	2.266	3.201	6.7	20.5
12 7	5 37.70	+25 51.7	2.248	3.222	3.1	20.3
12 17	5 28.46	+25 27.6	2.261	3.244	1.0	20.2
12 27	5 19.64	+25 0.4	2.304	3.265	4.4	20.5
1 6	5 12.12	+24 32.3	2.376	3.286	7.7	20.7
1 16	5 6.50	+24 5.6	2.475	3.307	10.6	20.9

263278 2008 BK_{33} 12 15.0 7°.73 2°.9/15.3 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 59.07	+29 51.2	1.654	2.453	16.7	20.9
11 17	5 55.18	+30 12.6	1.576	2.454	13.3	20.7
11 27	5 48.15	+30 28.4	1.519	2.455	9.2	20.5
12 7	5 38.74	+30 35.3	1.486	2.457	5.0	20.2
12 17	5 28.16	+30 30.7	1.480	2.459	3.0	20.1
12 27	5 17.97	+30 15.0	1.502	2.461	6.4	20.3
1 6	5 9.57	+29 51.2	1.550	2.465	10.6	20.6
1 16	5 3.95	+29 23.7	1.621	2.468	14.4	20.8

227075 2005 JQ_{104} 12 15.0 132°.99 0°.8/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 7	6 4.73	+21 47.5	1.860	2.643	15.7	21.9
11 17	5 58.78	+21 36.1	1.787	2.659	12.3	21.7
11 27	5 50.10	+21 24.1	1.736	2.673	8.2	21.5
12 7	5 39.47	+21 10.8	1.712	2.687	3.8	21.3
12 17	5 28.01	+20 56.5	1.717	2.700	1.3	21.1
12 27	5 17.03	+20 42.3	1.752	2.712	5.6	21.4
1 6	5 7.72	+20 29.9	1.816	2.724	9.7	21.7
1 16	5 0.88	+20 21.2	1.904	2.735	13.3	22.0

273271 2006 OP 12 15.0 256°.34 5°.3/16.5 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 4.37	+43 19.4	2.870	3.596	12.1	21.0
11 17	5 58.28	+43 30.6	2.759	3.576	10.1	20.8
11 27	5 49.71	+43 29.9	2.670	3.557	8.0	20.7
12 7	5 39.32	+43 13.5	2.607	3.537	6.1	20.5
12 17	5 28.04	+42 39.1	2.574	3.517	5.3	20.4
12 27	5 17.02	+41 46.9	2.570	3.496	6.3	20.5
1 6	5 7.35	+40 40.2	2.596	3.475	8.4	20.6
1 16	4 59.83	+39 24.2	2.649	3.454	10.7	20.7

197793 2004 PB_{58} 12 15.0 118°.91 3°.7/14.7 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.78	+13 58.0	1.896	2.677	15.6	21.2
11 17	5 56.31	+13 32.4	1.827	2.694	12.3	21.0
11 27	5 48.36	+13 12.2	1.780	2.710	8.6	20.8
12 7	5 38.67	+12 58.8	1.759	2.725	5.1	20.6
12 17	5 28.23	+12 53.4	1.767	2.740	3.8	20.6
12 27	5 18.23	+12 56.8	1.805	2.755	6.6	20.8
1 6	5 9.72	+13 8.9	1.870	2.768	10.1	21.0
1 16	5 3.45	+13 29.0	1.960	2.782	13.3	21.3

26016 2633 P–L 12 15.0 20°.16 3°.1/14.8 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.56	+17 57.6	1.143	1.973	20.8	18.3
11 17	5 54.69	+17 34.1	1.082	1.978	16.4	18.0
11 27	5 48.12	+17 14.8	1.038	1.984	11.2	17.8
12 7	5 38.79	+17 1.3	1.017	1.992	5.8	17.5
12 17	5 28.19	+16 54.8	1.020	2.000	3.4	17.4
12 27	5 18.18	+16 56.6	1.047	2.010	8.0	17.7
1 6	5 10.40	+17 7.1	1.098	2.020	13.2	18.0
1 16	5 5.91	+17 26.1	1.170	2.031	17.8	18.3

282692 2005 YZ_{176} 12 15.0 225°.60 0°.8/14.9 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.10	+20 59.9	1.913	2.701	15.2	21.6
11 17	5 56.24	+21 1.9	1.820	2.694	12.0	21.4
11 27	5 48.64	+21 4.9	1.748	2.687	8.1	21.1
12 7	5 38.95	+21 8.2	1.703	2.678	3.8	20.8
12 17	5 28.13	+21 11.1	1.687	2.670	1.2	20.6
12 27	5 17.48	+21 13.7	1.700	2.661	5.6	20.9
1 6	5 8.23	+21 16.9	1.741	2.652	9.9	21.2
1 16	5 1.33	+21 22.1	1.807	2.642	13.7	21.4

269903 2000 HQ_{15} 12 15.0 295°.88 10°.0/13.9 16

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 9.37	+48 45.9	2.306	3.020	15.0	20.3
11 17	6 4.03	+50 43.2	2.215	3.006	13.2	20.2
11 27	5 54.80	+52 30.3	2.146	2.992	11.5	20.0
12 7	5 42.15	+53 57.8	2.101	2.979	10.3	19.9
12 17	5 27.24	+54 57.6	2.082	2.965	10.0	19.9
12 27	5 11.99	+55 25.4	2.090	2.952	10.9	19.9
1 6	4 58.45	+55 22.8	2.122	2.938	12.6	20.0
1 16	4 48.25	+54 56.2	2.175	2.925	14.5	20.1

295667 2008 TG_{60} 12 15.0 72°.14 0°.5/15.1 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 57.42	+24 48.1	2.262	3.048	13.2	21.1
11 17	5 52.82	+24 51.8	2.182	3.055	10.3	20.9
11 27	5 46.01	+24 53.5	2.126	3.063	6.9	20.7
12 7	5 37.62	+24 52.2	2.096	3.071	3.2	20.5
12 17	5 28.50	+24 47.4	2.096	3.079	0.9	20.3
12 27	5 19.67	+24 39.5	2.126	3.087	4.6	20.6
1 6	5 12.09	+24 29.8	2.184	3.095	8.2	20.8
1 16	5 6.45	+24 20.3	2.268	3.103	11.3	21.0

457915 2009 UU_{28} 12 15.0 50°.93 3°.2/14.4 18

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	5 56.18	+16 1.7	2.072	2.862	14.1	21.1
11 17	5 51.88	+15 21.4	1.996	2.869	11.1	20.9
11 27	5 45.38	+14 43.6	1.943	2.877	7.7	20.7
12 7	5 37.33	+14 10.1	1.916	2.884	4.4	20.5
12 17	5 28.59	+13 42.9	1.918	2.892	3.4	20.4
12 27	5 20.18	+13 23.8	1.949	2.900	6.0	20.6
1 6	5 13.02	+13 13.7	2.008	2.908	9.4	20.9
1 16	5 7.81	+13 12.8	2.091	2.917	12.4	21.1

415190 2012 GX_{15} 12 15.0 129°.39 4°.8/15.5 17

2020/21	α_{2000}	δ_{2000}	Δ	r	β	V
11 7	6 1.97	+37 27.7	2.509	3.263	12.9	21.0
11 17	5 56.55	+38 14.5	2.427	3.270	10.5	20.9
11 27	5 48.63	+38 53.4	2.369	3.277	7.9	20.7
12 7	5 38.86	+39 20.2	2.338	3.284	5.6	20.6
12 17	5 28.19	+39 32.0	2.335	3.291	4.8	20.5
12 27	5 17.77	+39 28.0	2.362	3.298	6.2	20.6
1 6	5 8.71	+39 10.5	2.417	3.304	8.6	20.8
1 16	5 1.82	+38 43.3	2.498	3.310	11.1	21.0