89812 2002 AK_{178} 11 9.9 132°.72 0°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.38	+19 23.7	2.239	3.080	11.8	19.5
10 18	3 19.69	+19 9.6	2.169	3.085	8.7	19.3
10 28	3 12.24	+18 47.7	2.123	3.090	5.1	19.1
11 7	3 3.74	+18 19.7	2.106	3.095	1.3	18.9
11 17	2 55.07	+17 48.5	2.118	3.100	2.6	19.0
11 27	2 47.13	+17 18.0	2.160	3.104	6.3	19.2
12 7	2 40.69	+16 51.9	2.229	3.109	9.7	19.4
12 17	2 36.27	+16 33.3	2.323	3.113	12.5	19.6

46044 2001 DP_{68} 11 9.9 189°.42 0°.3/10.2 18

10 8	3 27.03	+19 39.0	1.984	2.828	13.0	20.0
10 18	3 21.13	+19 19.4	1.909	2.827	9.6	19.8
10 28	3 13.18	+18 50.4	1.859	2.826	5.6	19.6
11 7	3 3.98	+18 14.1	1.836	2.825	1.4	19.3
11 17	2 54.52	+17 33.9	1.842	2.824	3.0	19.4
11 27	2 45.88	+16 54.6	1.878	2.822	7.1	19.6
12 7	2 38.96	+16 21.0	1.940	2.820	10.9	19.9
12 17	2 34.33	+15 56.7	2.025	2.818	14.0	20.1

74496 1999 CO_{136} 11 9.9 305°.05 0°.1/10.0 17

10 8	3 23.17	+18 42.5	2.180	3.027	11.8	19.8
10 18	3 18.25	+18 23.5	2.095	3.016	8.7	19.6
10 28	3 11.50	+17 56.6	2.036	3.005	5.1	19.4
11 7	3 3.61	+17 23.9	2.004	2.993	1.2	19.1
11 17	2 55.40	+16 48.4	2.001	2.982	2.8	19.2
11 27	2 47.83	+16 14.2	2.027	2.971	6.7	19.4
12 7	2 41.71	+15 45.4	2.080	2.961	10.2	19.6
12 17	2 37.60	+15 25.4	2.156	2.950	13.2	19.8

174604 2003 QO_{111} 11 9.9 99°.89 1°.8/ 9.2 18

10 8	3 33.82	+13 40.6	1.481	2.337	15.9	20.4
10 18	3 26.24	+13 26.1	1.435	2.360	11.5	20.2
10 28	3 16.13	+13 7.1	1.412	2.382	6.7	19.9
11 7	3 4.65	+12 46.8	1.415	2.404	2.1	19.7
11 17	2 53.16	+12 29.1	1.447	2.425	4.4	19.9
11 27	2 43.06	+12 18.4	1.506	2.445	9.1	20.2
12 7	2 35.35	+12 17.9	1.591	2.465	13.2	20.5
12 17	2 30.58	+12 29.3	1.697	2.484	16.5	20.8

38603 1999 XO_{242} 11 9.9 327°.90 4°.1/ 6.9 18

10 8	3 22.44	+12 15.3	1.555	2.429	14.3	18.6
10 18	3 18.14	+10 36.3	1.486	2.420	10.5	18.3
10 28	3 11.58	+ 8 49.2	1.440	2.412	6.4	18.1
11 7	3 3.64	+ 7 2.2	1.422	2.404	4.1	17.9
11 17	2 55.42	+ 5 24.7	1.431	2.397	6.5	18.1
11 27	2 48.11	+ 4 5.3	1.466	2.390	10.6	18.3
12 7	2 42.70	+ 3 9.5	1.525	2.383	14.6	18.5
12 17	2 39.78	+ 2 39.0	1.604	2.377	17.9	18.7

16448 1989 RV_2 11 9.9 40°.32 0°.4/10.1 18

10 8	3 31.11	+17 23.6	1.068	1.943	19.2	17.0
10 18	3 25.13	+17 41.0	1.025	1.959	14.1	16.7
10 28	3 15.84	+17 49.0	1.002	1.975	8.2	16.5
11 7	3 4.63	+17 49.1	1.003	1.993	2.0	16.1
11 17	2 53.27	+17 44.3	1.028	2.011	4.3	16.4
11 27	2 43.62	+17 40.0	1.077	2.029	10.1	16.7
12 7	2 36.97	+17 41.5	1.150	2.049	15.1	17.1
12 17	2 33.92	+17 52.3	1.241	2.069	19.1	17.4

460192 2014 QC_{135} 11 9.9 344°.18 5°.6/ 6.0 18

10 8	3 22.17	+ 3 35.0	1.898	2.764	12.5	20.4
10 18	3 17.55	+ 2 35.8	1.835	2.759	9.5	20.2
10 28	3 11.09	+ 1 40.0	1.796	2.755	6.7	20.1
11 7	3 3.51	+ 0 53.4	1.784	2.751	5.6	20.0
11 17	2 55.72	+ 0 21.3	1.799	2.747	7.2	20.1
11 27	2 48.68	+ 0 7.4	1.840	2.744	10.1	20.3
12 7	2 43.19	+ 0 13.0	1.906	2.741	13.1	20.5
12 17	2 39.78	+ 0 37.1	1.992	2.739	15.7	20.6

328502 2009 PW_{14} 11 9.9 110°.45 1°.5/10.9 17

10 8	3 30.82	+23 17.4	1.598	2.439	15.7	21.0
10 18	3 24.13	+22 54.3	1.541	2.455	11.7	20.8
10 28	3 14.97	+22 16.6	1.506	2.470	7.1	20.6
11 7	3 4.40	+21 26.3	1.498	2.486	2.5	20.3
11 17	2 53.75	+20 28.1	1.518	2.500	3.4	20.4
11 27	2 44.35	+19 29.0	1.567	2.514	7.9	20.7
12 7	2 37.21	+18 36.1	1.641	2.528	12.1	21.0
12 17	2 32.90	+17 54.5	1.738	2.541	15.5	21.3

60491 2000 DD_{78} 11 9.9 127°.21 1°.1/10.7 18

10 8	3 30.18	+21 36.7	1.754	2.595	14.5	19.4
10 18	3 23.55	+21 23.4	1.691	2.606	10.8	19.2
10 28	3 14.62	+20 58.4	1.652	2.617	6.5	19.0
11 7	3 4.34	+20 23.3	1.640	2.628	2.1	18.7
11 17	2 53.89	+19 41.7	1.657	2.639	3.2	18.8
11 27	2 44.52	+18 59.1	1.702	2.649	7.5	19.1
12 7	2 37.20	+18 21.4	1.774	2.658	11.5	19.4
12 17	2 32.51	+17 52.8	1.868	2.667	14.8	19.6

16416 1987 SM_3 11 9.9 145°.89 4°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.39	+28 31.2	1.546	2.372	16.9	17.7
10 18	3 25.66	+28 33.8	1.479	2.379	13.1	17.5
10 28	3 16.06	+28 17.0	1.433	2.385	8.8	17.3
11 7	3 4.70	+27 40.0	1.413	2.391	4.9	17.1
11 17	2 53.05	+26 45.7	1.420	2.397	4.7	17.1
11 27	2 42.67	+25 41.1	1.454	2.402	8.4	17.3
12 7	2 34.79	+24 35.4	1.514	2.406	12.6	17.6
12 17	2 30.06	+23 36.7	1.596	2.410	16.2	17.8

46948 1998 SU_{114} 11 9.9 104°.21 0°.8/ 9.5 18

10 8	3 27.42	+16 0.8	1.855	2.708	13.3	19.5
10 18	3 21.41	+15 43.1	1.793	2.716	9.7	19.3
10 28	3 13.33	+15 19.2	1.755	2.725	5.6	19.0
11 7	3 4.04	+14 51.8	1.744	2.733	1.4	18.8
11 17	2 54.57	+14 24.5	1.762	2.741	3.4	19.0
11 27	2 46.03	+14 1.3	1.808	2.750	7.6	19.2
12 7	2 39.30	+13 46.2	1.881	2.757	11.3	19.5
12 17	2 34.92	+13 41.4	1.976	2.765	14.5	19.7

73272 2002 JW_{51} 11 9.9 147°.56 0°.1/10.1 18

10 8	3 27.47	+19 47.7	2.320	3.155	11.6	20.1
10 18	3 21.08	+19 15.5	2.252	3.166	8.5	20.0
10 28	3 13.00	+18 34.6	2.210	3.177	5.0	19.8
11 7	3 3.95	+17 47.6	2.197	3.187	1.2	19.5
11 17	2 54.80	+16 57.8	2.215	3.196	2.6	19.6
11 27	2 46.44	+16 9.8	2.263	3.205	6.3	19.9
12 7	2 39.61	+15 27.9	2.340	3.213	9.5	20.1
12 17	2 34.78	+14 55.4	2.441	3.220	12.3	20.3

495359 2014 OB_{91} 11 9.9 31°.19 4°.7/ 6.6 18

10 8	3 23.15	+ 6 10.0	1.920	2.785	12.4	21.2
10 18	3 18.19	+ 5 8.3	1.861	2.787	9.3	21.0
10 28	3 11.42	+ 4 7.9	1.827	2.790	6.2	20.8
11 7	3 3.60	+ 3 14.5	1.820	2.793	4.7	20.7
11 17	2 55.62	+ 2 33.2	1.841	2.797	6.4	20.8
11 27	2 48.43	+ 2 8.2	1.889	2.800	9.5	21.0
12 7	2 42.83	+ 2 1.3	1.962	2.804	12.5	21.2
12 17	2 39.30	+ 2 12.2	2.056	2.807	15.2	21.4

515472 2014 AN_{10} 11 9.9 193°.67 5°.7/ 6.0 18

10 8	3 26.58	+ 3 24.3	1.928	2.785	12.7	21.5
10 18	3 20.71	+ 2 18.1	1.864	2.783	9.7	21.3
10 28	3 12.91	+ 1 15.0	1.825	2.781	6.9	21.1
11 7	3 3.95	+ 0 21.4	1.814	2.779	5.8	21.1
11 17	2 54.80	− 0 17.5	1.831	2.776	7.4	21.2
11 27	2 46.45	− 0 37.5	1.875	2.773	10.3	21.3
12 7	2 39.75	− 0 37.5	1.943	2.769	13.3	21.5
12 17	2 35.24	− 0 18.2	2.033	2.765	15.9	21.7

9979 1994 VT 11 9.9 314°.19 1°.6/10.8 18

10 8	3 26.29	+21 44.2	1.346	2.208	16.9	18.2
10 18	3 21.71	+21 42.8	1.264	2.189	12.8	17.9
10 28	3 14.08	+21 27.3	1.202	2.171	7.9	17.5
11 7	3 4.32	+20 58.3	1.165	2.153	2.7	17.2
11 17	2 53.83	+20 19.1	1.153	2.135	4.0	17.2
11 27	2 44.30	+19 36.2	1.166	2.119	9.4	17.5
12 7	2 37.17	+18 57.6	1.203	2.102	14.5	17.7
12 17	2 33.32	+18 29.8	1.260	2.087	18.9	18.0

523423 2017 EE_{12} 11 9.9 314°.77 11°.4/ 2.8 18

10 8	3 27.84	−18 29.5	2.162	2.955	13.8	20.1
10 18	3 21.47	−19 11.4	2.109	2.947	12.4	20.0
10 28	3 13.28	−19 32.7	2.078	2.939	11.5	19.9
11 7	3 4.03	−19 27.7	2.071	2.932	11.4	19.9
11 17	2 54.65	−18 53.3	2.087	2.924	12.2	20.0
11 27	2 46.08	−17 49.5	2.128	2.917	13.7	20.0
12 7	2 39.12	−16 19.7	2.190	2.910	15.3	20.2
12 17	2 34.26	−14 29.2	2.270	2.903	16.9	20.3

184532 2005 QQ_{25} 11 9.9 89°.35 1°.8/11.1 18

10 8	3 27.45	+22 38.2	2.018	2.853	13.1	20.8
10 18	3 21.45	+22 45.9	1.949	2.859	9.8	20.6
10 28	3 13.39	+22 43.4	1.904	2.866	6.1	20.4
11 7	3 4.08	+22 31.1	1.886	2.872	2.5	20.1
11 17	2 54.53	+22 11.0	1.897	2.878	3.0	20.2
11 27	2 45.83	+21 46.9	1.938	2.884	6.7	20.4
12 7	2 38.87	+21 23.4	2.005	2.891	10.3	20.7
12 17	2 34.22	+21 4.6	2.096	2.897	13.3	20.9

188830 2006 AX_{21} 11 10.0 338°.35 2°.2/ 8.5 18

10 8	3 21.79	+10 26.6	2.261	3.120	11.0	19.2
10 18	3 17.18	+10 18.7	2.178	3.105	8.1	19.0
10 28	3 10.89	+10 10.1	2.120	3.090	4.8	18.8
11 7	3 3.51	+10 3.5	2.089	3.075	2.3	18.6
11 17	2 55.83	+10 1.2	2.087	3.061	3.9	18.7
11 27	2 48.68	+10 5.9	2.114	3.048	7.2	18.9
12 7	2 42.84	+10 19.2	2.168	3.035	10.4	19.1
12 17	2 38.86	+10 42.3	2.244	3.024	13.2	19.2

208778 2002 PF_{167} 11 10.0 14°.53 2°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.13	+11 50.5	1.532	2.403	14.7	19.8
10 18	3 20.09	+11 14.9	1.472	2.405	10.7	19.5
10 28	3 12.72	+10 35.9	1.435	2.407	6.4	19.3
11 7	3 3.94	+ 9 58.2	1.424	2.410	3.0	19.1
11 17	2 54.93	+ 9 27.1	1.439	2.414	5.2	19.2
11 27	2 46.93	+ 9 7.3	1.481	2.418	9.4	19.5
12 7	2 40.93	+ 9 2.1	1.548	2.422	13.5	19.7
12 17	2 37.53	+ 9 12.6	1.634	2.427	16.8	20.0

219479 2001 DB_{7} 11 10.0 16°.56 6°.2/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 22.98	+ 0 1.5	2.139	2.995	11.7	19.8
10 18	3 17.92	− 0 58.5	2.081	2.995	9.1	19.7
10 28	3 11.23	− 1 52.2	2.048	2.996	6.9	19.6
11 7	3 3.57	− 2 34.4	2.042	2.996	6.2	19.5
11 17	2 55.77	− 3 0.6	2.064	2.997	7.6	19.6
11 27	2 48.67	− 3 8.0	2.113	2.997	10.0	19.8
12 7	2 42.98	− 2 56.1	2.185	2.998	12.5	19.9
12 17	2 39.19	− 2 26.3	2.279	2.999	14.7	20.1

485166 2010 RA_{105} 11 10.0 336°.82 0°.5/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.95	+20 5.9	1.909	2.757	13.2	21.6
10 18	3 19.73	+19 48.7	1.835	2.755	9.8	21.4
10 28	3 12.44	+19 21.8	1.784	2.752	5.8	21.1
11 7	3 3.88	+18 47.0	1.761	2.750	1.6	20.8
11 17	2 55.04	+18 7.9	1.766	2.748	3.0	20.9
11 27	2 47.01	+17 29.3	1.800	2.747	7.2	21.2
12 7	2 40.70	+16 56.1	1.860	2.745	11.0	21.4
12 17	2 36.70	+16 32.2	1.943	2.744	14.2	21.6

19191 1992 DT_{2} 11 10.0 200°.39 1°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.34	+14 27.5	2.189	3.041	11.6	19.4
10 18	3 18.98	+13 57.1	2.116	3.040	8.4	19.2
10 28	3 11.88	+13 22.0	2.069	3.039	4.9	19.0
11 7	3 3.74	+12 45.1	2.050	3.038	1.6	18.8
11 17	2 55.38	+12 10.0	2.060	3.037	3.5	18.9
11 27	2 47.73	+11 40.6	2.099	3.036	7.1	19.1
12 7	2 41.53	+11 20.3	2.166	3.034	10.4	19.4
12 17	2 37.30	+11 11.1	2.255	3.033	13.2	19.5

103490 2000 AA_{235} 11 10.0 51°.29 4°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.58	+31 51.6	2.083	2.889	13.8	19.2
10 18	3 20.13	+31 49.6	2.014	2.898	10.9	19.0
10 28	3 12.62	+31 30.1	1.968	2.907	7.8	18.8
11 7	3 3.91	+30 52.9	1.947	2.916	5.0	18.7
11 17	2 55.03	+30 0.5	1.954	2.925	4.6	18.7
11 27	2 47.05	+28 57.9	1.990	2.934	6.8	18.8
12 7	2 40.87	+27 51.8	2.053	2.943	9.8	19.0
12 17	2 37.01	+26 48.7	2.140	2.953	12.7	19.3

415386 2013 NM_{5} 11 10.0 190°.34 1°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.70	+11 53.6	2.581	3.431	10.1	21.7
10 18	3 18.28	+11 26.1	2.507	3.430	7.4	21.5
10 28	3 11.39	+10 56.4	2.460	3.429	4.4	21.3
11 7	3 3.62	+10 27.0	2.441	3.427	2.0	21.1
11 17	2 55.68	+10 0.9	2.453	3.425	3.5	21.3
11 27	2 48.31	+ 9 41.2	2.494	3.424	6.5	21.5
12 7	2 42.17	+ 9 30.1	2.563	3.421	9.4	21.6
12 17	2 37.71	+ 9 29.1	2.656	3.419	11.8	21.8

513301 2007 CV_{3} 11 10.0 303°.91 0°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.74	+16 48.5	1.377	2.243	16.3	21.3
10 18	3 22.62	+16 40.3	1.297	2.227	12.1	21.0
10 28	3 14.55	+16 23.5	1.239	2.211	7.1	20.7
11 7	3 4.45	+16 0.3	1.205	2.195	1.7	20.3
11 17	2 53.68	+15 34.8	1.198	2.179	4.2	20.5
11 27	2 43.86	+15 12.5	1.216	2.164	9.7	20.7
12 7	2 36.35	+14 59.2	1.258	2.149	14.7	21.0
12 17	2 32.02	+14 58.7	1.320	2.135	19.0	21.2

441907 2010 EW_{122} 11 10.0 89°.60 1°.8/ 8.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.10	+15 40.6	1.931	2.783	12.9	21.3
10 18	3 20.86	+14 32.7	1.885	2.809	9.3	21.1
10 28	3 12.85	+13 18.4	1.864	2.835	5.3	21.0
11 7	3 3.94	+12 2.8	1.872	2.860	1.9	20.8
11 17	2 55.08	+10 51.8	1.910	2.885	4.0	21.0
11 27	2 47.25	+ 9 51.0	1.977	2.910	7.7	21.2
12 7	2 41.17	+ 9 4.3	2.070	2.934	11.1	21.5
12 17	2 37.26	+ 8 33.7	2.187	2.957	13.8	21.7

33933 2000 LE_{29} 11 10.0 142°.88 0°.1/ 9.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.42	+18 41.9	1.706	2.550	14.7	18.7
10 18	3 25.19	+18 18.8	1.644	2.563	10.8	18.5
10 28	3 15.59	+17 46.0	1.607	2.575	6.3	18.3
11 7	3 4.62	+17 6.0	1.596	2.586	1.5	18.0
11 17	2 53.49	+16 23.1	1.615	2.596	3.4	18.1
11 27	2 43.51	+15 42.9	1.663	2.606	8.0	18.4
12 7	2 35.66	+15 10.6	1.737	2.614	12.1	18.7
12 17	2 30.53	+14 49.8	1.834	2.622	15.4	19.0

494464 2016 VZ_{15} 11 10.0 246°.26 2°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.45	+26 9.9	1.886	2.716	14.1	21.2
10 18	3 20.95	+25 29.5	1.801	2.708	10.7	21.0
10 28	3 13.21	+24 31.8	1.740	2.699	6.8	20.8
11 7	3 4.08	+23 18.7	1.705	2.690	2.9	20.5
11 17	2 54.65	+21 54.7	1.700	2.681	3.2	20.5
11 27	2 46.10	+20 27.0	1.723	2.672	7.3	20.7
12 7	2 39.41	+19 3.8	1.774	2.662	11.3	21.0
12 17	2 35.19	+17 51.5	1.848	2.652	14.7	21.2

233680 2008 RU_{91} 11 10.0 254°.60 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.45	+21 41.8	1.776	2.618	14.3	20.9
10 18	3 22.60	+21 34.1	1.690	2.606	10.7	20.7
10 28	3 14.29	+21 14.6	1.629	2.594	6.6	20.4
11 7	3 4.37	+20 44.3	1.593	2.581	2.2	20.1
11 17	2 53.96	+20 6.1	1.586	2.568	3.3	20.2
11 27	2 44.38	+19 25.2	1.607	2.555	7.8	20.4
12 7	2 36.72	+18 47.7	1.655	2.541	12.0	20.6
12 17	2 31.72	+18 18.6	1.725	2.527	15.7	20.9

46024 2001 DC_{18} 11 10.0 78°.74 8°.0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.39	− 7 38.8	2.265	3.101	11.9	18.8
10 18	3 18.69	− 8 43.0	2.235	3.123	9.8	18.7
10 28	3 11.54	− 9 34.5	2.229	3.145	8.3	18.6
11 7	3 3.64	−10 8.2	2.250	3.167	8.1	18.6
11 17	2 55.77	−10 20.9	2.297	3.189	9.1	18.7
11 27	2 48.70	−10 11.6	2.370	3.210	10.8	18.9
12 7	2 43.06	− 9 41.6	2.466	3.232	12.6	19.1
12 17	2 39.22	− 8 53.8	2.581	3.253	14.3	19.2

300448 2007 TO_{55} 11 10.0 89°.29 1°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.21	+21 49.2	1.891	2.726	13.8	21.5
10 18	3 23.31	+21 41.6	1.840	2.752	10.2	21.3
10 28	3 14.37	+21 23.3	1.814	2.777	6.2	21.1
11 7	3 4.31	+20 55.6	1.815	2.802	2.1	20.9
11 17	2 54.24	+20 21.9	1.845	2.827	3.0	21.0
11 27	2 45.27	+19 46.9	1.905	2.851	6.9	21.3
12 7	2 38.24	+19 15.4	1.991	2.874	10.5	21.6
12 17	2 33.63	+18 51.5	2.101	2.897	13.5	21.8

267137 2000 EU_{115} 11 10.0 254°.96 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.09	+21 55.3	1.645	2.490	15.1	21.2
10 18	3 23.23	+21 48.8	1.563	2.480	11.4	20.9
10 28	3 14.73	+21 29.7	1.503	2.469	7.0	20.7
11 7	3 4.49	+20 58.7	1.469	2.457	2.4	20.4
11 17	2 53.73	+20 19.1	1.464	2.446	3.5	20.4
11 27	2 43.88	+19 36.4	1.486	2.434	8.2	20.7
12 7	2 36.13	+18 57.2	1.533	2.422	12.7	20.9
12 17	2 31.23	+18 27.1	1.603	2.410	16.5	21.1

118710 2000 QN_{12} 11 10.0 310°.77 1°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.45	+15 35.9	1.431	2.301	15.6	18.9
10 18	3 20.76	+15 2.4	1.353	2.285	11.5	18.7
10 28	3 13.37	+14 19.9	1.297	2.270	6.7	18.3
11 7	3 4.18	+13 32.5	1.266	2.255	2.0	18.0
11 17	2 54.45	+12 46.0	1.261	2.240	4.6	18.2
11 27	2 45.64	+12 7.0	1.282	2.226	9.8	18.4
12 7	2 38.99	+11 41.5	1.327	2.213	14.5	18.7
12 17	2 35.26	+11 32.6	1.392	2.199	18.5	18.9

516900 2011 ST_{89} 11 10.0 312°.64 5°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.15	+ 9 18.6	1.725	2.594	13.4	20.4
10 18	3 18.43	+ 7 15.8	1.659	2.589	9.9	20.2
10 28	3 11.69	+ 5 7.8	1.618	2.584	6.5	20.0
11 7	3 3.73	+ 3 3.8	1.605	2.579	5.2	19.9
11 17	2 55.56	+ 1 13.5	1.621	2.574	7.4	20.0
11 27	2 48.25	− 0 14.9	1.664	2.569	10.9	20.2
12 7	2 42.67	− 1 17.1	1.731	2.564	14.3	20.4
12 17	2 39.38	− 1 52.2	1.819	2.560	17.2	20.6

316785 1999 TA_{166} 11 10.0 53°.71 1°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.01	+22 18.8	1.481	2.335	16.0	20.1
10 18	3 21.49	+21 47.5	1.429	2.351	11.9	19.9
10 28	3 13.50	+21 1.8	1.400	2.367	7.1	19.6
11 7	3 4.14	+20 4.9	1.396	2.384	2.2	19.4
11 17	2 54.70	+19 2.4	1.419	2.401	3.4	19.5
11 27	2 46.52	+18 1.7	1.469	2.418	8.1	19.8
12 7	2 40.58	+17 9.6	1.544	2.436	12.4	20.1
12 17	2 37.41	+16 30.9	1.641	2.453	15.9	20.4

337949 2001 YA_{155} 11 10.0 355°.47 4°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.76	+26 31.0	1.151	2.014	19.1	20.3
10 18	3 20.89	+26 53.3	1.087	2.008	14.8	20.0
10 28	3 13.69	+26 55.5	1.042	2.004	9.9	19.7
11 7	3 4.27	+26 36.4	1.019	2.000	5.4	19.5
11 17	2 54.29	+25 58.4	1.019	1.999	5.3	19.5
11 27	2 45.61	+25 8.9	1.043	1.998	9.8	19.7
12 7	2 39.72	+24 17.8	1.090	1.999	14.7	20.0
12 17	2 37.43	+23 33.8	1.156	2.002	19.0	20.3

488372 2016 WP_{35} 11 10.0 19.°89 8.°7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.45	− 1 8.6	1.340	2.213	16.2	20.0
10 18	3 20.43	− 2 7.9	1.296	2.218	12.8	19.8
10 28	3 12.94	− 2 55.5	1.273	2.224	9.8	19.7
11 7	3 4.03	− 3 23.4	1.274	2.232	8.7	19.7
11 17	2 54.98	− 3 26.3	1.300	2.239	10.3	19.8
11 27	2 47.12	− 3 1.8	1.349	2.248	13.4	20.0
12 7	2 41.44	− 2 12.0	1.419	2.258	16.6	20.2
12 17	2 38.51	− 1 1.2	1.508	2.268	19.5	20.5

265846 2005 YF_{80} 11 10.0 280.°23 1.°0/10.8 18

10 8	3 24.71	+21 39.2	2.175	3.013	12.2	20.5
10 18	3 19.38	+21 26.5	2.097	3.011	9.1	20.3
10 28	3 12.19	+21 4.0	2.044	3.009	5.5	20.1
11 7	3 3.87	+20 33.2	2.019	3.007	1.8	19.8
11 17	2 55.29	+19 56.8	2.023	3.005	2.7	19.9
11 27	2 47.43	+19 19.0	2.056	3.002	6.4	20.1
12 7	2 41.09	+18 44.4	2.116	3.000	9.9	20.4
12 17	2 36.84	+18 16.7	2.200	2.998	12.9	20.6

220061 2002 RA_{141} 11 10.0 32.°57 3.°1/ 8.9 18

10 8	3 29.18	+10 59.2	1.108	1.990	18.2	19.3
10 18	3 23.60	+10 51.2	1.064	2.001	13.3	19.0
10 28	3 14.96	+10 42.1	1.040	2.013	7.9	18.8
11 7	3 4.52	+10 36.0	1.039	2.026	3.3	18.5
11 17	2 53.92	+10 37.2	1.063	2.040	5.8	18.7
11 27	2 44.84	+10 49.4	1.111	2.055	10.9	19.1
12 7	2 38.51	+11 14.7	1.182	2.070	15.6	19.4
12 17	2 35.53	+11 53.2	1.271	2.086	19.5	19.7

263359 2008 CB_{146} 11 10.0 207.°97 0.°6/10.4 18

10 8	3 25.76	+20 26.0	2.003	2.846	12.9	20.9
10 18	3 20.25	+20 9.8	1.928	2.846	9.5	20.7
10 28	3 12.73	+19 43.9	1.878	2.845	5.7	20.5
11 7	3 4.00	+19 10.1	1.856	2.845	1.6	20.2
11 17	2 55.00	+18 31.8	1.862	2.844	2.9	20.3
11 27	2 46.80	+17 53.5	1.897	2.843	6.9	20.6
12 7	2 40.27	+17 19.9	1.959	2.842	10.6	20.8
12 17	2 35.98	+16 54.9	2.044	2.842	13.7	21.0

309034 2006 UJ_{177} 11 10.0 359.°90 1.°7/ 9.3 18

10 8	3 27.49	+12 25.3	1.518	2.385	15.0	20.0
10 18	3 21.98	+12 35.1	1.453	2.383	11.0	19.8
10 28	3 13.94	+12 43.1	1.410	2.382	6.4	19.5
11 7	3 4.31	+12 51.4	1.393	2.381	2.1	19.2
11 17	2 54.29	+13 2.4	1.403	2.382	4.3	19.4
11 27	2 45.27	+13 18.9	1.439	2.383	9.0	19.7
12 7	2 38.34	+13 43.1	1.501	2.385	13.2	19.9
12 17	2 34.19	+14 16.4	1.584	2.387	16.8	20.2

296036 2008 YV_{168} 11 10.0 313.°99 0.°1/10.0 18

10 8	3 25.76	+18 54.4	1.572	2.431	15.0	20.7
10 18	3 20.79	+18 34.7	1.495	2.421	11.1	20.5
10 28	3 13.30	+18 4.2	1.440	2.411	6.5	20.2
11 7	3 4.17	+17 25.6	1.411	2.401	1.6	19.9
11 17	2 54.59	+16 43.1	1.409	2.391	3.6	20.0
11 27	2 45.93	+16 2.6	1.435	2.382	8.5	20.3
12 7	2 39.30	+15 30.2	1.484	2.373	13.0	20.5
12 17	2 35.42	+15 10.0	1.556	2.365	16.8	20.7

151455 2002 GL_{105} 11 10.0 180.°48 4.°1/ 6.9 18

10 8	3 24.36	+ 4 51.9	2.421	3.273	10.6	20.3
10 18	3 18.80	+ 4 15.2	2.355	3.274	8.0	20.1
10 28	3 11.72	+ 3 40.9	2.315	3.274	5.4	19.9
11 7	3 3.75	+ 3 12.9	2.303	3.274	4.1	19.9
11 17	2 55.61	+ 2 54.4	2.320	3.274	5.4	19.9
11 27	2 48.10	+ 2 48.1	2.366	3.274	8.0	20.1
12 7	2 41.88	+ 2 55.1	2.438	3.273	10.6	20.3
12 17	2 37.43	+ 3 15.3	2.533	3.272	13.0	20.5

79177 1993 FG_{50} 11 10.0 137.°18 1.°2/10.7 18

10 8	3 30.24	+21 53.8	1.770	2.609	14.5	20.1
10 18	3 23.64	+21 39.0	1.705	2.619	10.8	19.9
10 28	3 14.73	+21 12.2	1.664	2.628	6.5	19.7
11 7	3 4.46	+20 35.0	1.649	2.637	2.1	19.4
11 17	2 54.00	+19 51.1	1.664	2.646	3.2	19.5
11 27	2 44.60	+19 5.9	1.707	2.654	7.5	19.8
12 7	2 37.23	+18 25.5	1.777	2.661	11.5	20.1
12 17	2 32.48	+17 54.4	1.869	2.668	14.8	20.3

335759 2007 EO_{91} 11 10.0 108.°91 3.°6/12.3 18

10 8	3 31.32	+28 7.0	1.749	2.570	15.4	20.8
10 18	3 24.51	+28 7.8	1.689	2.586	11.9	20.6
10 28	3 15.25	+27 51.4	1.651	2.602	7.9	20.4
11 7	3 4.58	+27 17.9	1.639	2.618	4.4	20.2
11 17	2 53.77	+26 30.1	1.656	2.633	4.2	20.3
11 27	2 44.15	+25 34.0	1.701	2.647	7.5	20.5
12 7	2 36.73	+24 37.2	1.772	2.662	11.2	20.8
12 17	2 32.09	+23 46.3	1.867	2.675	14.4	21.0

103565 2000 BG_{35} 11 10.0 327.°86 8.°5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.88	+37 8.0	1.590	2.386	17.8	19.3
10 18	3 23.69	+38 1.4	1.509	2.375	14.9	19.1
10 28	3 15.31	+38 31.8	1.447	2.364	11.9	18.9
11 7	3 4.70	+38 34.1	1.408	2.354	9.3	18.7
11 17	2 53.34	+38 6.6	1.394	2.345	8.6	18.7
11 27	2 43.04	+37 13.3	1.405	2.336	10.3	18.7
12 7	2 35.28	+36 3.5	1.440	2.328	13.4	18.9
12 17	2 30.97	+34 48.0	1.496	2.320	16.6	19.1

97679 2000 GG_{2} 11 10.0 60.°14 29.°9/13.1 18

10 8	3 47.35	−13 13.6	0.559	1.440	30.4	17.4
10 18	3 38.18	−26 48.4	0.585	1.456	30.3	17.6
10 28	3 23.77	−37 29.8	0.646	1.473	32.8	17.9
11 7	3 6.55	−44 40.9	0.732	1.490	35.6	18.2
11 17	2 49.73	−48 50.6	0.831	1.508	37.6	18.6
11 27	2 36.34	−50 46.1	0.935	1.526	38.6	18.9
12 7	2 28.03	−51 10.4	1.038	1.544	39.0	19.2
12 17	2 25.16	−50 33.6	1.137	1.562	38.9	19.4

48618 1995 HB_{4} 11 10.0 335.°15 3.°2/ 8.3 18

10 8	3 22.46	+12 0.3	1.381	2.261	15.4	18.1
10 18	3 18.61	+11 23.2	1.306	2.243	11.3	17.8
10 28	3 12.14	+10 41.2	1.253	2.226	6.8	17.5
11 7	3 3.93	+ 9 59.5	1.224	2.211	3.2	17.3
11 17	2 55.19	+ 9 24.1	1.220	2.196	5.7	17.4
11 27	2 47.35	+ 9 1.4	1.242	2.182	10.5	17.6
12 7	2 41.59	+ 8 55.5	1.286	2.169	15.0	17.9
12 17	2 38.68	+ 9 8.1	1.350	2.158	18.9	18.1

369637 2011 EW_{20} 11 10.0 201.°28 2.°3/11.9 17

10 8	3 24.39	+26 16.4	2.643	3.459	10.9	21.1
10 18	3 18.92	+26 12.4	2.560	3.457	8.4	20.9
10 28	3 11.85	+25 57.5	2.502	3.455	5.5	20.7
11 7	3 3.80	+25 32.3	2.472	3.453	2.8	20.6
11 17	2 55.53	+24 58.5	2.472	3.450	2.8	20.6
11 27	2 47.86	+24 19.5	2.503	3.448	5.5	20.7
12 7	2 41.50	+23 39.4	2.561	3.445	8.4	20.9
12 17	2 36.96	+23 2.4	2.645	3.442	11.0	21.1

129382 6852 $P–L$ 11 10.0 358.°43 2.°9/ 8.5 17

10 8	3 20.36	+12 31.3	1.236	2.124	16.2	19.3
10 18	3 17.14	+12 0.3	1.177	2.118	11.9	19.0
10 28	3 11.26	+11 24.8	1.139	2.114	7.0	18.7
11 7	3 3.71	+10 50.1	1.124	2.112	3.0	18.5
11 17	2 55.80	+10 22.1	1.134	2.111	5.5	18.6
11 27	2 48.96	+10 6.7	1.168	2.112	10.4	18.9
12 7	2 44.36	+10 7.5	1.224	2.116	15.0	19.2
12 17	2 42.64	+10 25.4	1.299	2.120	18.8	19.5

266464 2007 LP_{36} 11 10.0 102.°82 4.°6/ 6.4 18

10 8	3 23.05	+ 4 1.6	2.331	3.187	10.9	20.7
10 18	3 17.86	+ 3 11.8	2.274	3.193	8.2	20.6
10 28	3 11.18	+ 2 25.2	2.242	3.200	5.7	20.4
11 7	3 3.64	+ 1 46.1	2.239	3.206	4.6	20.4
11 17	2 55.99	+ 1 18.2	2.264	3.213	5.9	20.5
11 27	2 49.01	+ 1 4.5	2.317	3.219	8.4	20.6
12 7	2 43.35	+ 1 6.0	2.396	3.225	11.0	20.8
12 17	2 39.45	+ 1 22.3	2.497	3.232	13.2	21.0

340387 2006 ES_{4} 11 10.0 15.°10 3.°1/ 8.5 18

10 8	3 25.52	+12 2.3	1.285	2.164	16.4	20.1
10 18	3 20.74	+11 28.8	1.231	2.167	12.0	19.9
10 28	3 13.26	+10 51.5	1.198	2.171	7.1	19.6
11 7	3 4.17	+10 15.8	1.189	2.176	3.2	19.4
11 17	2 54.81	+ 9 47.3	1.206	2.182	5.6	19.6
11 27	2 46.67	+ 9 31.6	1.248	2.188	10.4	19.8
12 7	2 40.84	+ 9 31.9	1.312	2.195	14.8	20.1
12 17	2 37.98	+ 9 49.0	1.397	2.203	18.5	20.4

516027 2015 SY_{23} 11 10.0 104.°30 3.°6/ 7.1 18

10 8	3 24.21	+10 37.4	1.952	2.813	12.4	21.2
10 18	3 18.94	+ 9 16.1	1.894	2.821	9.0	21.0
10 28	3 11.88	+ 7 51.6	1.862	2.830	5.6	20.9
11 7	3 3.82	+ 6 30.2	1.857	2.838	3.6	20.8
11 17	2 55.66	+ 5 17.9	1.882	2.846	5.5	20.9
11 27	2 48.35	+ 4 20.5	1.935	2.854	8.8	21.1
12 7	2 42.64	+ 3 41.2	2.014	2.861	12.0	21.3
12 17	2 39.00	+ 3 20.9	2.114	2.869	14.7	21.5

257541 1998 HQ_{56} 11 10.0 266.°11 0.°2/10.1 17

10 8	3 26.75	+18 18.4	2.248	3.089	11.8	20.9
10 18	3 20.97	+18 13.5	2.153	3.069	8.7	20.7
10 28	3 13.23	+18 1.7	2.082	3.049	5.2	20.4
11 7	3 4.19	+17 44.3	2.040	3.029	1.3	20.1
11 17	2 54.71	+17 23.5	2.027	3.009	2.8	20.2
11 27	2 45.78	+17 2.8	2.044	2.988	6.7	20.4
12 7	2 38.30	+16 45.7	2.089	2.966	10.3	20.6
12 17	2 32.91	+16 35.7	2.158	2.945	13.4	20.8

348397 2005 HT_5 11 10.0 102.°86 4.°6/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.04	+ 7 50.6	1.510	2.374	15.2	21.0
10 18	3 23.54	+ 7 4.4	1.461	2.389	11.2	20.8
10 28	3 14.67	+ 6 19.3	1.436	2.403	7.1	20.6
11 7	3 4.48	+ 5 40.8	1.437	2.417	4.6	20.5
11 17	2 54.21	+ 5 14.5	1.465	2.430	6.5	20.7
11 27	2 45.15	+ 5 4.3	1.520	2.443	10.4	20.9
12 7	2 38.26	+ 5 11.8	1.599	2.456	14.1	21.2
12 17	2 34.07	+ 5 36.3	1.698	2.468	17.2	21.4

392383 2010 JC_3 11 10.0 231.°26 3.°1/11.7 18

10 8	3 31.43	+25 16.3	2.038	2.858	13.6	21.4
10 18	3 24.67	+25 45.2	1.949	2.849	10.4	21.2
10 28	3 15.51	+26 3.0	1.885	2.839	6.9	21.0
11 7	3 4.74	+26 8.1	1.848	2.829	3.7	20.7
11 17	2 53.45	+26 1.0	1.841	2.818	3.8	20.7
11 27	2 42.88	+25 44.6	1.863	2.807	7.2	20.9
12 7	2 34.11	+25 23.8	1.912	2.795	10.8	21.1
12 17	2 27.90	+25 4.1	1.985	2.783	14.1	21.3

13755 1998 SR_{70} 11 10.0 32.°19 1.°6/10.9 18

10 8	3 26.80	+21 40.1	2.028	2.866	12.9	18.5
10 18	3 21.03	+21 56.0	1.958	2.871	9.7	18.3
10 28	3 13.22	+22 2.8	1.912	2.875	6.0	18.1
11 7	3 4.17	+22 1.0	1.894	2.880	2.3	17.8
11 17	2 54.84	+21 52.0	1.904	2.885	3.0	17.9
11 27	2 46.31	+21 39.0	1.943	2.891	6.7	18.2
12 7	2 39.46	+21 26.2	2.009	2.896	10.2	18.4
12 17	2 34.90	+21 17.3	2.099	2.902	13.2	18.6

48573 1994 JX_5 11 10.0 34.°89 0.°4/ 9.8 18

10 8	3 24.22	+16 39.9	2.274	3.122	11.4	18.9
10 18	3 18.89	+16 30.9	2.204	3.125	8.3	18.7
10 28	3 11.87	+16 16.5	2.158	3.128	4.8	18.5
11 7	3 3.84	+15 58.7	2.141	3.131	1.1	18.2
11 17	2 55.61	+15 39.8	2.153	3.134	2.8	18.3
11 27	2 48.06	+15 23.2	2.195	3.137	6.4	18.6
12 7	2 41.92	+15 11.8	2.264	3.141	9.6	18.8
12 17	2 37.70	+15 8.0	2.356	3.145	12.4	19.0

271405 2004 CK_{85} 11 10.0 222.°98 3.°5/ 7.9 18

10 8	3 28.57	+10 1.8	1.736	2.595	13.8	21.8
10 18	3 22.52	+ 9 17.0	1.662	2.588	10.2	21.5
10 28	3 14.19	+ 8 29.6	1.612	2.581	6.3	21.3
11 7	3 4.42	+ 7 44.6	1.589	2.572	3.6	21.1
11 17	2 54.29	+ 7 7.2	1.595	2.564	5.6	21.2
11 27	2 45.03	+ 6 42.4	1.628	2.554	9.6	21.4
12 7	2 37.64	+ 6 33.4	1.686	2.545	13.4	21.6
12 17	2 32.76	+ 6 41.2	1.766	2.535	16.7	21.8

303130 2004 CS_{91} 11 10.0 277.°78 3.°2/ 7.7 18

10 8	3 24.48	+11 16.6	1.917	2.778	12.6	20.6
10 18	3 19.45	+10 16.3	1.832	2.760	9.3	20.3
10 28	3 12.39	+ 9 10.9	1.772	2.741	5.7	20.1
11 7	3 4.01	+ 8 5.7	1.739	2.722	3.2	19.9
11 17	2 55.24	+ 7 6.4	1.734	2.703	5.3	20.0
11 27	2 47.15	+ 6 18.8	1.758	2.684	9.0	20.2
12 7	2 40.65	+ 5 47.2	1.807	2.664	12.7	20.4
12 17	2 36.37	+ 5 33.4	1.878	2.645	15.9	20.5

260634 2005 GJ_{111} 11 10.0 181.°66 4.°9/13.9 18

10 8	3 30.52	+34 0.6	2.475	3.252	12.7	21.4
10 18	3 23.66	+34 21.7	2.391	3.253	10.3	21.2
10 28	3 14.76	+34 27.0	2.331	3.254	7.7	21.0
11 7	3 4.55	+34 15.0	2.298	3.254	5.5	20.9
11 17	2 54.03	+33 45.9	2.294	3.253	5.0	20.9
11 27	2 44.27	+33 3.1	2.319	3.252	6.7	21.0
12 7	2 36.17	+32 12.2	2.373	3.250	9.3	21.2
12 17	2 30.35	+31 19.3	2.452	3.247	11.8	21.3

259483 2003 SZ_{210} 11 10.0 108.°45 3.°6/12.9 17

10 8	3 25.92	+29 58.5	2.315	3.121	12.6	20.3
10 18	3 20.26	+29 58.9	2.240	3.127	9.9	20.2
10 28	3 12.72	+29 44.6	2.189	3.132	6.9	20.0
11 7	3 4.06	+29 15.7	2.165	3.137	4.2	19.8
11 17	2 55.19	+28 34.1	2.170	3.142	3.9	19.8
11 27	2 47.10	+27 43.8	2.204	3.147	6.3	20.0
12 7	2 40.60	+26 50.4	2.265	3.152	9.2	20.2
12 17	2 36.23	+25 59.4	2.352	3.157	11.9	20.4

232503 2003 QF_{27} 11 10.0 93.°05 0.°9/10.7 18

10 8	3 29.74	+22 0.3	1.870	2.707	13.9	20.6
10 18	3 22.98	+21 31.3	1.820	2.733	10.3	20.4
10 28	3 14.21	+20 50.7	1.794	2.759	6.1	20.2
11 7	3 4.38	+20 1.1	1.796	2.784	1.9	20.0
11 17	2 54.57	+19 6.8	1.827	2.809	2.9	20.2
11 27	2 45.88	+18 13.6	1.887	2.833	7.0	20.5
12 7	2 39.14	+17 26.8	1.975	2.857	10.6	20.7
12 17	2 34.80	+16 50.5	2.086	2.880	13.6	21.0

288350 2004 BQ_{136} 11 10.0 51.°52 1.°8/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.50	+13 59.4	1.670	2.532	14.1	20.5
10 18	3 20.95	+13 34.0	1.612	2.541	10.3	20.3
10 28	3 13.21	+13 3.7	1.578	2.549	5.9	20.1
11 7	3 4.19	+12 32.3	1.569	2.558	2.0	19.9
11 17	2 54.99	+12 3.8	1.589	2.567	4.2	20.0
11 27	2 46.78	+11 42.9	1.636	2.576	8.4	20.3
12 7	2 40.49	+11 33.0	1.708	2.585	12.3	20.6
12 17	2 36.69	+11 35.7	1.802	2.594	15.5	20.8

269640 2011 AM_{74} 11 10.0 332.°90 6.°5/ 5.3 18

10 8	3 23.42	− 1 28.2	2.149	3.001	11.8	19.7
10 18	3 18.31	− 2 20.3	2.089	2.999	9.3	19.5
10 28	3 11.54	− 3 4.9	2.053	2.997	7.2	19.4
11 7	3 3.79	− 3 36.9	2.045	2.994	6.6	19.3
11 17	2 55.86	− 3 52.1	2.064	2.992	7.8	19.4
11 27	2 48.62	− 3 48.2	2.109	2.991	10.1	19.6
12 7	2 42.79	− 3 25.1	2.179	2.989	12.6	19.7
12 17	2 38.86	− 2 44.5	2.269	2.987	14.8	19.9

125529 2001 WH_{65} 11 10.0 265.°06 1.°2/ 9.3 18

10 8	3 26.40	+17 25.9	1.611	2.471	14.7	20.0
10 18	3 21.14	+16 35.9	1.536	2.463	10.8	19.8
10 28	3 13.47	+15 35.0	1.484	2.456	6.2	19.5
11 7	3 4.28	+14 27.5	1.459	2.448	1.6	19.2
11 17	2 54.73	+13 19.5	1.461	2.441	4.1	19.3
11 27	2 46.13	+12 18.5	1.491	2.433	8.9	19.6
12 7	2 39.51	+11 30.5	1.546	2.425	13.2	19.8
12 17	2 35.55	+10 59.4	1.622	2.417	16.8	20.1

509220 2006 SY_{262} 11 10.0 38.°03 2.°8/ 8.7 17

10 8	3 27.16	+15 4.9	0.948	1.839	19.8	20.4
10 18	3 22.18	+14 4.9	0.920	1.862	14.2	20.2
10 28	3 14.07	+12 57.0	0.911	1.887	8.2	19.9
11 7	3 4.36	+11 49.4	0.925	1.913	3.0	19.7
11 17	2 54.81	+10 51.2	0.962	1.941	5.9	20.0
11 27	2 47.09	+10 10.5	1.023	1.969	11.3	20.4
12 7	2 42.28	+ 9 51.1	1.104	1.997	16.1	20.8
12 17	2 40.79	+ 9 53.3	1.204	2.026	19.9	21.1

237348 2010 AV_{79} 11 10.0 335.°92 7.°0/ 6.0 18

10 8	3 24.43	+ 4 19.4	1.361	2.240	15.7	19.8
10 18	3 19.88	+ 3 3.3	1.301	2.233	11.9	19.5
10 28	3 12.80	+ 1 50.0	1.264	2.226	8.4	19.3
11 7	3 4.12	+ 0 48.4	1.250	2.220	7.0	19.2
11 17	2 55.11	+ 0 6.4	1.261	2.214	9.1	19.3
11 27	2 47.13	− 0 10.4	1.297	2.209	12.8	19.5
12 7	2 41.28	− 0 0.7	1.354	2.205	16.6	19.8
12 17	2 38.22	+ 0 33.7	1.430	2.201	19.9	20.0

67408 2000 QS_4 11 10.0 191.°23 1.°1/10.6 18

10 8	3 30.35	+21 18.9	1.433	2.286	16.5	18.9
10 18	3 24.33	+21 4.2	1.365	2.286	12.3	18.6
10 28	3 15.45	+20 35.6	1.318	2.285	7.5	18.3
11 7	3 4.77	+19 55.0	1.296	2.285	2.3	18.0
11 17	2 53.70	+19 6.7	1.301	2.284	3.7	18.1
11 27	2 43.80	+18 17.7	1.333	2.282	8.9	18.4
12 7	2 36.31	+17 35.3	1.390	2.281	13.6	18.7
12 17	2 31.94	+17 5.0	1.468	2.280	17.5	18.9

270306 2001 WS_{42} 11 10.0 24.°68 0.°7/ 9.7 18

10 8	3 25.63	+17 48.3	1.182	2.059	17.7	20.3
10 18	3 21.02	+17 18.1	1.131	2.067	12.9	20.0
10 28	3 13.51	+16 36.6	1.102	2.076	7.5	19.7
11 7	3 4.29	+15 48.4	1.096	2.085	1.7	19.4
11 17	2 54.86	+14 59.8	1.114	2.096	4.3	19.6
11 27	2 46.81	+14 18.5	1.158	2.108	9.8	20.0
12 7	2 41.31	+13 50.5	1.225	2.121	14.6	20.3
12 17	2 38.95	+13 38.9	1.311	2.134	18.6	20.6

33495 Schaferjames 11 10.0 102.°95 0.°2/ 9.9 18

10 8	3 32.62	+17 31.5	1.420	2.276	16.5	18.4
10 18	3 25.75	+17 24.7	1.365	2.289	12.1	18.2
10 28	3 16.13	+17 9.1	1.333	2.303	7.0	18.0
11 7	3 4.89	+16 46.9	1.326	2.316	1.6	17.6
11 17	2 53.49	+16 22.0	1.347	2.329	3.8	17.8
11 27	2 43.42	+15 59.6	1.396	2.342	8.9	18.2
12 7	2 35.81	+15 45.0	1.469	2.354	13.4	18.5
12 17	2 31.28	+15 41.4	1.563	2.366	17.0	18.7

18083 2000 HD_{22} 11 10.0 239.°58 8.°3/ 2.8 18

10 8	3 23.88	−11 49.8	2.632	3.448	11.0	17.9
10 18	3 18.42	−12 44.2	2.573	3.440	9.5	17.8
10 28	3 11.54	−13 26.0	2.539	3.431	8.5	17.7
11 7	3 3.81	−13 50.3	2.530	3.423	8.4	17.7
11 17	2 55.91	−13 53.8	2.548	3.414	9.3	17.7
11 27	2 48.59	−13 35.2	2.592	3.405	10.8	17.8
12 7	2 42.47	−12 55.4	2.658	3.395	12.5	17.9
12 17	2 38.00	−11 57.2	2.744	3.386	14.0	18.0

422242 2014 SH_{46} 11 10.0 28°.73 1°.7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.55	+13 9.7	2.036	2.893	12.2	21.0
10 18	3 19.27	+12 48.6	1.970	2.896	8.8	20.8
10 28	3 12.17	+12 24.1	1.928	2.899	5.2	20.6
11 7	3 3.97	+11 59.2	1.914	2.902	1.9	20.4
11 17	2 55.57	+11 37.1	1.929	2.905	3.7	20.5
11 27	2 47.93	+11 21.5	1.972	2.909	7.4	20.7
12 7	2 41.83	+11 15.1	2.042	2.913	10.8	21.0
12 17	2 37.82	+11 19.5	2.134	2.917	13.7	21.2

16187 2000 AP_{164} 11 10.0 264°.71 6°.5/14.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.40	+36 3.0	1.985	2.769	15.2	17.8
10 18	3 23.45	+36 29.9	1.897	2.760	12.5	17.6
10 28	3 14.92	+36 36.8	1.831	2.750	9.7	17.4
11 7	3 4.67	+36 20.7	1.789	2.740	7.2	17.3
11 17	2 53.91	+35 41.7	1.775	2.730	6.6	17.2
11 27	2 44.03	+34 43.7	1.787	2.720	8.4	17.3
12 7	2 36.18	+33 34.3	1.826	2.710	11.2	17.5
12 17	2 31.14	+32 22.1	1.889	2.700	14.2	17.6

327772 2006 UH_{92} 11 10.0 127°.58 0°.1/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.23	+17 56.2	1.638	2.486	15.1	21.4
10 18	3 25.23	+17 50.4	1.578	2.498	11.0	21.2
10 28	3 15.76	+17 36.1	1.541	2.509	6.5	20.9
11 7	3 4.83	+17 15.4	1.531	2.520	1.5	20.6
11 17	2 53.70	+16 51.4	1.549	2.531	3.4	20.8
11 27	2 43.71	+16 28.9	1.596	2.541	8.1	21.1
12 7	2 35.91	+16 12.5	1.669	2.550	12.3	21.4
12 17	2 30.90	+16 5.7	1.765	2.559	15.7	21.6

350507 1999 XR_{163} 11 10.0 18°.68 6°.9/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.43	+34 31.8	1.307	2.134	19.3	20.1
10 18	3 21.12	+34 40.7	1.249	2.141	15.6	19.9
10 28	3 13.69	+34 21.6	1.210	2.149	11.6	19.7
11 7	3 4.37	+33 33.0	1.193	2.159	8.0	19.5
11 17	2 54.78	+32 18.2	1.200	2.169	7.0	19.5
11 27	2 46.64	+30 46.3	1.232	2.181	9.5	19.7
12 7	2 41.20	+29 9.5	1.288	2.193	13.3	19.9
12 17	2 39.10	+27 38.9	1.365	2.207	16.9	20.2

398032 2009 DM_{110} 11 10.0 195°.64 4°.5/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.08	+ 2 22.6	2.655	3.498	10.1	22.4
10 18	3 19.99	+ 1 42.7	2.584	3.495	7.7	22.2
10 28	3 12.45	+ 1 6.4	2.539	3.491	5.5	22.1
11 7	3 4.04	+ 0 37.5	2.523	3.486	4.5	22.0
11 17	2 55.45	+ 0 19.2	2.538	3.481	5.7	22.1
11 27	2 47.44	+ 0 13.9	2.581	3.475	8.0	22.2
12 7	2 40.63	+ 0 22.5	2.651	3.469	10.4	22.4
12 17	2 35.48	+ 0 44.6	2.745	3.461	12.6	22.5

357564 2004 TC_{81} 11 10.0 119°.80 1°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.36	+22 14.2	2.627	3.452	10.7	22.1
10 18	3 20.20	+22 1.0	2.564	3.471	7.9	21.9
10 28	3 12.54	+21 39.3	2.527	3.488	4.8	21.7
11 7	3 4.05	+21 10.4	2.518	3.505	1.7	21.5
11 17	2 55.47	+20 36.6	2.540	3.522	2.3	21.6
11 27	2 47.61	+20 1.3	2.593	3.538	5.4	21.9
12 7	2 41.10	+19 28.4	2.675	3.553	8.3	22.1
12 17	2 36.39	+19 0.9	2.782	3.569	10.8	22.3

98625 2000 WO_{93} 11 10.1 302°.19 0°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.74	+20 23.4	1.593	2.447	15.1	20.0
10 18	3 21.58	+20 10.9	1.513	2.436	11.3	19.7
10 28	3 13.85	+19 46.7	1.457	2.425	6.8	19.4
11 7	3 4.44	+19 12.6	1.425	2.414	1.9	19.1
11 17	2 54.54	+18 32.2	1.421	2.404	3.4	19.2
11 27	2 45.53	+17 51.3	1.444	2.393	8.3	19.5
12 7	2 38.58	+17 16.2	1.492	2.383	12.8	19.7
12 17	2 34.42	+16 51.9	1.562	2.373	16.6	19.9

519246 2010 XE_{92} 11 10.1 148°.82 4°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.28	+ 4 57.7	2.352	3.205	10.9	21.6
10 18	3 18.83	+ 4 24.1	2.288	3.207	8.1	21.4
10 28	3 11.82	+ 3 53.1	2.249	3.209	5.4	21.2
11 7	3 3.90	+ 3 28.5	2.239	3.211	4.1	21.2
11 17	2 55.83	+ 3 13.5	2.258	3.213	5.4	21.2
11 27	2 48.41	+ 3 10.6	2.305	3.215	8.0	21.4
12 7	2 42.31	+ 3 21.0	2.379	3.217	10.7	21.6
12 17	2 38.00	+ 3 44.4	2.475	3.218	13.1	21.8

40951 1999 TO_{230} 11 10.1 5°.10 5°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.18	+ 3 4.1	1.812	2.678	13.0	18.9
10 18	3 18.40	+ 2 5.7	1.754	2.678	9.9	18.7
10 28	3 11.71	+ 1 11.9	1.721	2.678	7.1	18.5
11 7	3 3.89	+ 0 28.4	1.713	2.679	5.9	18.5
11 17	2 55.89	+ 0 0.6	1.733	2.681	7.5	18.6
11 27	2 48.70	− 0 8.1	1.779	2.682	10.4	18.8
12 7	2 43.14	+ 0 3.1	1.848	2.685	13.4	19.0
12 17	2 39.76	+ 0 33.0	1.938	2.687	16.1	19.2

287919 2003 TP_{56} 11 10.1 86°.32 4°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.73	+ 6 58.5	1.714	2.578	13.7	20.5
10 18	3 21.00	+ 6 8.3	1.661	2.588	10.2	20.3
10 28	3 13.22	+ 5 19.6	1.632	2.597	6.6	20.1
11 7	3 4.25	+ 4 37.7	1.629	2.606	4.6	20.0
11 17	2 55.16	+ 4 7.8	1.655	2.616	6.4	20.2
11 27	2 47.04	+ 3 53.8	1.707	2.625	9.8	20.4
12 7	2 40.77	+ 3 57.2	1.784	2.635	13.1	20.6
12 17	2 36.86	+ 4 17.5	1.881	2.644	16.0	20.9

485790 2012 DP_{19} 11 10.1 168°.68 5°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 22.32	− 0 24.5	2.601	3.449	10.1	21.7
10 18	3 17.26	− 1 41.3	2.543	3.452	7.9	21.6
10 28	3 10.86	− 2 53.2	2.513	3.454	6.2	21.5
11 7	3 3.68	− 3 54.8	2.510	3.456	5.8	21.5
11 17	2 56.39	− 4 42.0	2.537	3.458	7.0	21.5
11 27	2 49.68	− 5 11.7	2.591	3.459	9.0	21.7
12 7	2 44.13	− 5 23.1	2.670	3.460	11.1	21.8
12 17	2 40.17	− 5 16.8	2.770	3.461	13.0	22.0

207276 2005 EV_{327} 11 10.1 134°.73 2°.1/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.43	+11 32.2	1.811	2.666	13.5	20.1
10 18	3 23.07	+11 30.9	1.743	2.668	9.9	19.9
10 28	3 14.51	+11 28.2	1.700	2.669	5.8	19.6
11 7	3 4.58	+11 26.4	1.683	2.671	2.3	19.4
11 17	2 54.37	+11 28.1	1.695	2.672	4.2	19.6
11 27	2 45.04	+11 36.2	1.736	2.673	8.2	19.8
12 7	2 37.54	+11 52.7	1.803	2.674	12.0	20.0
12 17	2 32.51	+12 18.7	1.893	2.676	15.2	20.3

249408 2009 CP_{59} 11 10.1 148°.71 3°.9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.69	+ 7 46.0	2.229	3.084	11.3	20.9
10 18	3 19.15	+ 6 36.6	2.169	3.091	8.3	20.7
10 28	3 12.01	+ 5 26.9	2.135	3.098	5.4	20.5
11 7	3 3.96	+ 4 21.9	2.129	3.104	3.9	20.5
11 17	2 55.81	+ 3 26.7	2.154	3.110	5.5	20.6
11 27	2 48.38	+ 2 45.4	2.206	3.116	8.4	20.8
12 7	2 42.37	+ 2 20.4	2.285	3.121	11.2	21.0
12 17	2 38.24	+ 2 12.1	2.386	3.126	13.7	21.1

309510 2007 WU_{18} 11 10.1 192°.97 2°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.22	+12 53.2	1.885	2.742	12.9	21.2
10 18	3 20.65	+12 21.8	1.816	2.742	9.4	21.0
10 28	3 13.06	+11 46.4	1.771	2.742	5.6	20.8
11 7	3 4.24	+11 10.6	1.754	2.741	2.3	20.6
11 17	2 55.17	+10 38.6	1.765	2.741	4.2	20.7
11 27	2 46.93	+10 14.7	1.805	2.740	8.1	20.9
12 7	2 40.38	+10 2.2	1.871	2.740	11.8	21.2
12 17	2 36.10	+10 2.7	1.958	2.739	14.9	21.4

481451 2006 WV_{199} 11 10.1 191°.24 3°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.76	+ 6 52.9	2.084	2.938	12.0	21.0
10 18	3 20.85	+ 6 30.8	2.016	2.938	8.9	20.8
10 28	3 13.10	+ 6 10.5	1.973	2.937	5.7	20.6
11 7	3 4.24	+ 5 55.4	1.957	2.936	3.7	20.4
11 17	2 55.16	+ 5 48.7	1.971	2.936	5.2	20.5
11 27	2 46.82	+ 5 53.1	2.014	2.935	8.4	20.7
12 7	2 40.01	+ 6 9.8	2.082	2.934	11.5	20.9
12 17	2 35.27	+ 6 38.9	2.174	2.933	14.2	21.1

395038 2009 DD_{86} 11 10.1 123°.51 1°.3/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.65	+22 45.4	2.156	2.987	12.5	21.7
10 18	3 21.47	+22 31.1	2.091	3.000	9.3	21.5
10 28	3 13.43	+22 6.2	2.050	3.012	5.7	21.3
11 7	3 4.32	+21 32.1	2.036	3.023	2.1	21.1
11 17	2 55.06	+20 51.7	2.053	3.034	2.7	21.2
11 27	2 46.65	+20 9.4	2.099	3.045	6.3	21.4
12 7	2 39.90	+19 30.1	2.173	3.056	9.7	21.6
12 17	2 35.30	+18 57.8	2.271	3.066	12.6	21.9

476686 2008 TW_{85} 11 10.1 76°.53 2°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.89	+23 38.7	1.572	2.413	15.9	21.5
10 18	3 24.48	+23 54.1	1.513	2.425	12.0	21.2
10 28	3 15.45	+23 56.1	1.475	2.436	7.6	21.0
11 7	3 4.82	+23 44.6	1.463	2.448	3.4	20.8
11 17	2 53.94	+23 21.8	1.479	2.460	3.8	20.9
11 27	2 44.24	+22 52.9	1.523	2.472	8.0	21.1
12 7	2 36.84	+22 24.1	1.591	2.483	12.1	21.4
12 17	2 32.36	+22 0.9	1.683	2.495	15.6	21.7

421937 2014 QO_{243} 11 10.1 49°.07 3°.8/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.43	+ 7 13.9	1.992	2.853	12.2	20.6
10 18	3 19.12	+ 6 39.3	1.938	2.864	9.0	20.4
10 28	3 12.05	+ 6 6.1	1.909	2.874	5.7	20.3
11 7	3 3.99	+ 5 38.5	1.907	2.885	3.8	20.2
11 17	2 55.81	+ 5 20.3	1.933	2.897	5.4	20.3
11 27	2 48.45	+ 5 14.3	1.987	2.908	8.5	20.5
12 7	2 42.64	+ 5 22.0	2.067	2.920	11.5	20.7
12 17	2 38.88	+ 5 43.3	2.169	2.931	14.2	20.9

220664 2004 RU_{180} 11 10.1 344°.46 0°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 23.60	+21 18.8	1.996	2.842	12.8	19.8
10 18	3 18.72	+20 39.1	1.922	2.840	9.5	19.6
10 28	3 11.93	+19 48.0	1.871	2.838	5.6	19.4
11 7	3 3.98	+18 48.1	1.847	2.837	1.5	19.1
11 17	2 55.80	+17 44.0	1.853	2.835	2.8	19.2
11 27	2 48.41	+16 41.4	1.887	2.834	6.9	19.5
12 7	2 42.64	+15 46.0	1.948	2.833	10.6	19.7
12 17	2 39.03	+15 1.9	2.033	2.832	13.8	19.9

124112 2001 HB_{54} 11 10.1 132°.59 12°.2/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.48	− 0 13.0	1.103	1.982	18.5	19.7
10 18	3 23.75	− 3 40.0	1.067	1.989	14.9	19.5
10 28	3 15.07	− 6 57.4	1.054	1.996	12.5	19.4
11 7	3 4.72	− 9 45.7	1.065	2.002	12.7	19.4
11 17	2 54.29	−11 49.7	1.101	2.009	15.1	19.6
11 27	2 45.37	−13 2.2	1.157	2.014	18.4	19.8
12 7	2 39.12	−13 25.5	1.232	2.020	21.6	20.0
12 17	2 36.10	−13 7.0	1.320	2.024	24.3	20.3

483071 2015 LE_{20} 11 10.1 142°.93 0°.6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.40	+23 18.3	2.052	2.885	13.0	21.3
10 18	3 21.31	+22 16.8	1.983	2.894	9.6	21.1
10 28	3 13.34	+21 1.3	1.938	2.903	5.8	20.9
11 7	3 4.29	+19 35.6	1.922	2.911	1.7	20.7
11 17	2 55.17	+18 5.1	1.936	2.918	2.8	20.8
11 27	2 46.97	+16 36.8	1.981	2.925	6.8	21.0
12 7	2 40.49	+15 17.3	2.053	2.932	10.4	21.3
12 17	2 36.23	+14 11.4	2.150	2.938	13.5	21.5

481549 2007 RU_{155} 11 10.1 344°.27 10°.1/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.85	+39 14.4	1.536	2.321	18.8	21.5
10 18	3 26.21	+40 35.7	1.462	2.315	16.1	21.3
10 28	3 17.02	+41 33.3	1.407	2.310	13.2	21.1
11 7	3 5.30	+42 0.1	1.373	2.306	10.9	21.0
11 17	2 52.72	+41 52.6	1.364	2.302	10.2	20.9
11 27	2 41.28	+41 14.0	1.379	2.298	11.5	21.0
12 7	2 32.68	+40 13.6	1.417	2.296	14.2	21.2
12 17	2 27.88	+39 3.1	1.475	2.294	17.1	21.4

261101 2005 SU_{271} 11 10.1 62°.10 0°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.13	+20 36.0	1.892	2.738	13.4	20.9
10 18	3 20.59	+20 21.5	1.829	2.747	9.9	20.7
10 28	3 13.02	+19 57.1	1.789	2.756	5.9	20.5
11 7	3 4.25	+19 24.8	1.776	2.765	1.7	20.3
11 17	2 55.30	+18 47.8	1.792	2.775	2.9	20.4
11 27	2 47.25	+18 11.0	1.837	2.784	7.0	20.7
12 7	2 40.97	+17 39.3	1.908	2.794	10.7	20.9
12 17	2 37.01	+17 16.2	2.002	2.803	13.8	21.1

74941 1999 TB_{175} 11 10.1 282°.50 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.13	+22 18.0	1.444	2.297	16.4	19.6
10 18	3 22.83	+21 57.0	1.368	2.289	12.3	19.3
10 28	3 14.69	+21 20.5	1.314	2.281	7.5	19.0
11 7	3 4.70	+20 30.3	1.284	2.273	2.5	18.7
11 17	2 54.23	+19 31.1	1.282	2.264	3.7	18.8
11 27	2 44.81	+18 30.5	1.306	2.256	8.9	19.0
12 7	2 37.71	+17 36.5	1.354	2.248	13.6	19.3
12 17	2 33.68	+16 55.4	1.424	2.240	17.7	19.5

228942 2003 TB_{18} 11 10.1 75°.00 3°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.42	+29 27.7	2.237	3.048	12.8	20.2
10 18	3 19.94	+29 19.4	2.166	3.056	10.0	20.0
10 28	3 12.59	+28 56.1	2.118	3.064	6.8	19.9
11 7	3 4.15	+28 18.4	2.097	3.072	4.0	19.7
11 17	2 55.53	+27 28.5	2.105	3.080	3.7	19.7
11 27	2 47.73	+26 31.1	2.143	3.089	6.3	19.9
12 7	2 41.55	+25 32.2	2.208	3.097	9.3	20.1
12 17	2 37.51	+24 37.1	2.297	3.105	12.1	20.3

248826 2006 SX_{302} 11 10.1 82°.72 2°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.82	+25 13.1	1.876	2.708	14.1	21.0
10 18	3 21.97	+25 15.1	1.808	2.714	10.7	20.8
10 28	3 13.90	+25 3.6	1.762	2.720	6.9	20.6
11 7	3 4.48	+24 39.1	1.743	2.726	3.3	20.4
11 17	2 54.80	+24 4.0	1.752	2.732	3.5	20.4
11 27	2 46.06	+23 23.1	1.790	2.738	7.1	20.7
12 7	2 39.21	+22 42.4	1.854	2.744	10.7	20.9
12 17	2 34.85	+22 7.0	1.942	2.751	13.9	21.1

437930 2002 PR_{137} 11 10.1 97°.51 7°.7/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.49	− 3 52.3	2.013	2.857	12.8	21.5
10 18	3 21.13	− 5 7.3	1.982	2.882	10.2	21.3
10 28	3 13.10	− 6 11.2	1.975	2.907	8.3	21.3
11 7	3 4.24	− 6 58.0	1.996	2.931	7.8	21.3
11 17	2 55.43	− 7 23.6	2.044	2.955	8.9	21.4
11 27	2 47.58	− 7 26.2	2.117	2.978	11.0	21.6
12 7	2 41.36	− 7 6.9	2.215	3.001	13.2	21.8
12 17	2 37.19	− 6 28.6	2.332	3.023	15.2	22.0

46819 1998 MH_{27} 11 10.1 102°.62 3°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.30	+ 9 51.7	1.572	2.432	15.0	17.9
10 18	3 24.42	+ 9 17.4	1.525	2.451	10.9	17.7
10 28	3 15.23	+ 8 42.3	1.500	2.469	6.6	17.5
11 7	3 4.77	+ 8 11.1	1.503	2.486	3.5	17.4
11 17	2 54.27	+ 7 48.4	1.533	2.504	5.5	17.6
11 27	2 44.97	+ 7 38.0	1.591	2.521	9.5	17.8
12 7	2 37.83	+ 7 42.2	1.674	2.537	13.3	18.1
12 17	2 33.35	+ 8 0.9	1.778	2.553	16.4	18.4

76411 2000 FQ_{16} 11 10.1 139°.09 4°.5/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.05	+ 3 51.9	2.393	3.242	10.9	19.8
10 18	3 20.01	+ 3 2.6	2.339	3.254	8.2	19.7
10 28	3 12.48	+ 2 16.5	2.310	3.266	5.7	19.5
11 7	3 4.12	+ 1 38.0	2.311	3.278	4.5	19.5
11 17	2 55.67	+ 1 10.6	2.341	3.289	5.8	19.6
11 27	2 47.95	+ 0 57.0	2.400	3.299	8.3	19.8
12 7	2 41.58	+ 0 58.3	2.484	3.309	10.8	20.0
12 17	2 37.01	+ 1 14.0	2.592	3.318	13.0	20.1

511995 2015 KE_{129} 11 10.1 142°.22 3°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.71	+10 1.4	1.734	2.592	13.9	21.7
10 18	3 23.26	+ 9 34.5	1.673	2.598	10.2	21.4
10 28	3 14.61	+ 9 6.5	1.636	2.604	6.2	21.2
11 7	3 4.65	+ 8 41.3	1.626	2.610	3.2	21.1
11 17	2 54.49	+ 8 23.1	1.644	2.615	5.1	21.2
11 27	2 45.30	+ 8 15.5	1.691	2.621	9.0	21.4
12 7	2 38.04	+ 8 20.8	1.762	2.625	12.7	21.7
12 17	2 33.27	+ 8 39.6	1.856	2.630	15.8	21.9

486122 2012 VA_{113} 11 10.1 311°.87 2°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.58	+24 59.2	1.487	2.337	16.2	20.7
10 18	3 21.12	+24 50.1	1.399	2.315	12.5	20.4
10 28	3 13.82	+24 23.6	1.331	2.294	8.0	20.1
11 7	3 4.55	+23 39.9	1.288	2.273	3.6	19.8
11 17	2 54.59	+22 42.2	1.271	2.253	4.0	19.7
11 27	2 45.51	+21 37.6	1.280	2.233	8.7	20.0
12 7	2 38.63	+20 34.9	1.314	2.213	13.5	20.2
12 17	2 34.81	+19 41.8	1.369	2.195	17.8	20.4

173255 1999 RP_{106} 11 10.1 47°.75 5°.4/13.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.34	+30 16.1	1.211	2.051	19.7	19.4
10 18	3 24.75	+30 27.1	1.160	2.065	15.5	19.1
10 28	3 15.84	+30 13.4	1.127	2.079	10.7	18.9
11 7	3 4.96	+29 33.9	1.118	2.093	6.5	18.7
11 17	2 53.88	+28 32.5	1.132	2.108	5.9	18.8
11 27	2 44.44	+27 18.4	1.172	2.124	9.5	19.0
12 7	2 37.93	+26 3.1	1.236	2.140	13.9	19.3
12 17	2 34.99	+24 56.2	1.320	2.156	17.7	19.6

441188 2007 TC_{441} 11 10.1 16°.91 6°.6/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.59	+ 3 3.4	1.269	2.147	16.6	20.1
10 18	3 21.49	+ 2 37.4	1.222	2.153	12.6	19.8
10 28	3 13.75	+ 2 19.6	1.197	2.160	8.7	19.7
11 7	3 4.46	+ 2 15.7	1.195	2.168	6.6	19.6
11 17	2 54.99	+ 2 30.2	1.218	2.178	8.3	19.7
11 27	2 46.77	+ 3 4.9	1.265	2.189	12.0	19.9
12 7	2 40.86	+ 3 58.5	1.335	2.200	15.8	20.2
12 17	2 37.87	+ 5 8.1	1.424	2.213	19.1	20.5

131577 2001 VW_{111} 11 10.1 203°.84 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.02	+22 27.2	1.523	2.368	16.1	19.9
10 18	3 24.79	+22 7.8	1.449	2.365	12.1	19.6
10 28	3 15.77	+21 33.5	1.397	2.362	7.4	19.3
11 7	3 4.98	+20 46.0	1.371	2.359	2.5	19.0
11 17	2 53.78	+19 49.4	1.372	2.355	3.6	19.1
11 27	2 43.68	+18 51.0	1.402	2.350	8.6	19.4
12 7	2 35.90	+17 58.5	1.456	2.345	13.2	19.6
12 17	2 31.16	+17 18.0	1.532	2.340	17.1	19.9

398687 2012 WB 11 10.1 83°.86 4°.8/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.48	+ 5 10.2	1.032	1.897	20.6	20.8
10 18	3 34.15	+ 5 41.8	0.993	1.919	15.3	20.5
10 28	3 21.20	+ 6 21.8	0.974	1.941	9.5	20.3
11 7	3 6.22	+ 7 12.1	0.979	1.963	5.0	20.1
11 17	2 51.28	+ 8 12.8	1.011	1.984	7.0	20.3
11 27	2 38.44	+ 9 22.8	1.068	2.005	12.2	20.7
12 7	2 29.08	+10 40.5	1.149	2.026	16.9	21.0
12 17	2 23.76	+12 3.9	1.249	2.046	20.8	21.4

215077 2009 FY_{15} 11 10.1 277°.17 2°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.48	+12 35.8	1.858	2.716	13.1	21.2
10 18	3 21.05	+12 8.1	1.775	2.701	9.6	20.9
10 28	3 13.45	+11 36.4	1.715	2.686	5.7	20.7
11 7	3 4.43	+11 3.9	1.683	2.670	2.4	20.4
11 17	2 54.98	+10 35.0	1.679	2.655	4.4	20.5
11 27	2 46.24	+10 14.0	1.703	2.639	8.5	20.7
12 7	2 39.18	+10 4.5	1.753	2.623	12.4	21.0
12 17	2 34.48	+10 8.4	1.825	2.607	15.7	21.1

171652 2000 GQ_{37} 11 10.1 286°.80 0°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.71	+17 50.2	1.826	2.680	13.5	20.4
10 18	3 20.58	+17 22.9	1.740	2.664	10.0	20.2
10 28	3 13.22	+16 46.5	1.678	2.648	5.8	19.9
11 7	3 4.38	+16 3.6	1.642	2.632	1.4	19.6
11 17	2 55.11	+15 18.3	1.635	2.616	3.4	19.7
11 27	2 46.56	+14 36.0	1.656	2.600	7.9	19.9
12 7	2 39.76	+14 2.0	1.702	2.584	12.0	20.1
12 17	2 35.38	+13 40.1	1.771	2.568	15.6	20.3

79126 1990 SO_{6} 11 10.1 92°.31 1°.6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.25	+14 42.7	1.600	2.455	15.0	19.1
10 18	3 24.36	+14 15.0	1.553	2.478	10.8	18.9
10 28	3 15.20	+13 41.8	1.530	2.501	6.2	18.7
11 7	3 4.79	+13 6.6	1.534	2.523	1.9	18.5
11 17	2 54.38	+12 34.1	1.566	2.544	4.1	18.7
11 27	2 45.21	+12 9.0	1.626	2.565	8.5	19.0
12 7	2 38.19	+11 55.0	1.712	2.586	12.4	19.3
12 17	2 33.83	+11 53.8	1.819	2.606	15.6	19.5

160622 1999 TF_{144} 11 10.1 28°.83 5°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.51	+27 35.1	1.383	2.218	18.1	19.1
10 18	3 27.05	+28 52.7	1.325	2.226	14.2	18.9
10 28	3 17.30	+29 54.5	1.287	2.236	10.0	18.6
11 7	3 5.39	+30 35.7	1.274	2.246	6.5	18.5
11 17	2 52.95	+30 54.5	1.286	2.257	6.3	18.5
11 27	2 41.81	+30 54.3	1.325	2.269	9.5	18.7
12 7	2 33.42	+30 42.3	1.388	2.281	13.4	19.0
12 17	2 28.59	+30 26.6	1.472	2.294	16.9	19.2

303498 2005 EN_{135} 11 10.1 209°.89 1°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.60	+21 6.2	1.987	2.825	13.2	21.0
10 18	3 22.50	+21 8.4	1.909	2.822	9.9	20.8
10 28	3 14.25	+21 1.0	1.855	2.819	6.0	20.6
11 7	3 4.63	+20 44.9	1.828	2.816	2.0	20.3
11 17	2 54.67	+20 22.3	1.830	2.812	2.9	20.4
11 27	2 45.49	+19 57.1	1.862	2.809	7.0	20.6
12 7	2 38.05	+19 33.9	1.920	2.805	10.7	20.8
12 17	2 32.98	+19 16.7	2.002	2.800	14.0	21.0

449984 2015 PN_{116} 11 10.1 100°.33 6°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.67	+36 33.8	2.069	2.841	15.0	21.9
10 18	3 26.17	+36 58.3	2.010	2.865	12.3	21.7
10 28	3 16.31	+37 2.3	1.974	2.889	9.3	21.6
11 7	3 5.09	+36 43.7	1.964	2.912	6.9	21.5
11 17	2 53.77	+36 3.7	1.981	2.934	6.2	21.5
11 27	2 43.62	+35 7.3	2.027	2.956	7.8	21.6
12 7	2 35.63	+34 1.9	2.100	2.978	10.3	21.8
12 17	2 30.36	+32 55.4	2.197	2.999	12.8	22.0

124100 2001 HS_{41} 11 10.1 352°.41 4°.8/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 20.03	+ 4 23.0	2.077	2.943	11.6	18.3
10 18	3 16.03	+ 3 40.4	2.010	2.935	8.7	18.1
10 28	3 10.37	+ 3 0.8	1.968	2.929	6.0	18.0
11 7	3 3.69	+ 2 29.0	1.952	2.923	4.8	17.9
11 17	2 56.80	+ 2 8.9	1.964	2.918	6.2	18.0
11 27	2 50.53	+ 2 3.7	2.002	2.913	9.0	18.1
12 7	2 45.63	+ 2 14.6	2.066	2.910	11.9	18.3
12 17	2 42.59	+ 2 41.2	2.150	2.908	14.4	18.5

269371 2008 YE_{168} 11 10.1 186°.25 2°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.65	+11 18.4	1.965	2.816	12.8	20.3
10 18	3 23.14	+11 14.7	1.894	2.816	9.4	20.1
10 28	3 14.57	+11 9.6	1.847	2.816	5.6	19.8
11 7	3 4.71	+11 5.6	1.828	2.815	2.2	19.6
11 17	2 54.56	+11 5.1	1.839	2.814	4.0	19.7
11 27	2 45.21	+11 10.8	1.878	2.813	7.9	20.0
12 7	2 37.56	+11 24.9	1.945	2.812	11.5	20.2
12 17	2 32.22	+11 48.4	2.034	2.810	14.5	20.4

396543 1996 AD_{11} 11 10.1 212°.33 1°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.42	+14 0.8	2.171	3.020	11.8	21.9
10 18	3 20.66	+13 24.7	2.092	3.015	8.6	21.7
10 28	3 13.07	+12 43.6	2.039	3.009	5.0	21.5
11 7	3 4.35	+12 0.7	2.014	3.002	1.9	21.2
11 17	2 55.37	+11 19.9	2.019	2.995	3.7	21.4
11 27	2 47.07	+10 45.6	2.054	2.988	7.4	21.6
12 7	2 40.26	+10 21.3	2.115	2.980	10.8	21.8
12 17	2 35.50	+10 9.1	2.200	2.972	13.7	22.0

128293 2003 WM_{84} 11 10.1 112°.43 2°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.74	+ 6 30.2	2.536	3.376	10.6	19.3
10 18	3 22.67	+ 6 38.2	2.474	3.389	7.8	19.2
10 28	3 14.06	+ 6 48.8	2.439	3.401	4.9	19.0
11 7	3 4.57	+ 7 3.7	2.433	3.414	2.9	18.9
11 17	2 54.95	+ 7 24.2	2.459	3.426	4.1	19.0
11 27	2 46.02	+ 7 51.5	2.515	3.437	6.9	19.2
12 7	2 38.46	+ 8 26.1	2.601	3.449	9.6	19.4
12 17	2 32.73	+ 9 7.8	2.710	3.460	11.9	19.6

227637 2006 BG_{95} 11 10.1 6°.76 7°.1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 21.80	+ 0 46.7	1.796	2.663	13.1	19.6
10 18	3 17.44	− 0 35.0	1.744	2.664	10.2	19.4
10 28	3 11.22	− 1 50.5	1.715	2.665	7.8	19.3
11 7	3 3.91	− 2 52.7	1.712	2.667	7.1	19.2
11 17	2 56.43	− 3 35.6	1.736	2.669	8.7	19.3
11 27	2 49.75	− 3 55.2	1.784	2.672	11.3	19.5
12 7	2 44.68	− 3 51.2	1.856	2.676	14.1	19.7
12 17	2 41.72	− 3 25.2	1.947	2.680	16.5	19.9

138843 2000 VF_{39} 11 10.1 126°.69 1°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 12.59	+ 8 45.6	0.890	1.719	26.1	20.2
10 18	3 57.78	+11 51.7	0.828	1.736	19.7	19.9
10 28	3 36.37	+15 17.0	0.789	1.753	11.8	19.5
11 7	3 10.15	+18 43.5	0.779	1.768	3.1	19.1
11 17	2 42.65	+21 47.7	0.802	1.782	6.3	19.4
11 27	2 18.12	+24 16.6	0.857	1.795	14.1	19.8
12 7	1 59.47	+26 12.6	0.937	1.806	20.5	20.3
12 17	1 47.66	+27 47.1	1.036	1.817	25.2	20.6

514641 2005 ES_{199} 11 10.1 176°.79 3°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.29	+30 12.6	2.439	3.234	12.4	22.3
10 18	3 23.51	+30 28.7	2.357	3.236	9.7	22.1
10 28	3 14.76	+30 31.1	2.300	3.238	6.9	22.0
11 7	3 4.77	+30 18.7	2.270	3.239	4.4	21.8
11 17	2 54.49	+29 52.6	2.270	3.240	4.1	21.8
11 27	2 44.94	+29 15.9	2.300	3.240	6.3	21.9
12 7	2 36.99	+28 33.9	2.359	3.239	9.2	22.1
12 17	2 31.24	+27 51.9	2.442	3.238	11.8	22.3

127504 2002 TW_{66} 11 10.1 68°.50 4°.0/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.97	+ 5 7.9	1.122	1.982	19.7	19.2
10 18	3 33.98	+ 6 6.2	1.069	1.993	14.7	19.0
10 28	3 21.32	+ 7 14.9	1.037	2.005	9.1	18.7
11 7	3 6.37	+ 8 34.1	1.031	2.016	4.3	18.5
11 17	2 51.09	+10 1.4	1.052	2.028	6.3	18.6
11 27	2 37.55	+11 34.2	1.101	2.040	11.6	19.0
12 7	2 27.30	+13 9.9	1.174	2.052	16.5	19.3
12 17	2 21.06	+14 47.3	1.266	2.064	20.5	19.6

112195 2002 JM_{110} 11 10.1 92°.30 3°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.69	+28 12.2	1.837	2.657	14.8	20.0
10 18	3 23.27	+28 0.5	1.778	2.676	11.4	19.8
10 28	3 14.62	+27 32.0	1.743	2.694	7.6	19.6
11 7	3 4.72	+26 47.4	1.734	2.713	4.0	19.4
11 17	2 54.73	+25 50.2	1.753	2.731	3.8	19.5
11 27	2 45.87	+24 46.6	1.801	2.749	7.1	19.7
12 7	2 39.06	+23 43.9	1.876	2.766	10.6	19.9
12 17	2 34.82	+22 48.0	1.975	2.783	13.7	20.2

322221 2011 AS_{70} 11 10.1 169°.19 3°.4/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.96	+30 28.0	2.654	3.451	11.4	21.2
10 18	3 20.20	+30 28.7	2.573	3.453	9.0	21.0
10 28	3 12.75	+30 16.2	2.516	3.455	6.3	20.9
11 7	3 4.28	+29 50.3	2.487	3.457	4.0	20.7
11 17	2 55.61	+29 12.5	2.488	3.459	3.6	20.7
11 27	2 47.59	+28 26.3	2.518	3.460	5.7	20.9
12 7	2 40.96	+27 36.4	2.577	3.461	8.4	21.0
12 17	2 36.24	+26 47.6	2.661	3.461	10.8	21.2

420020 2011 CX_{81} 11 10.1 332°.70 8°.3/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.10	+42 4.6	2.086	2.837	15.6	20.7
10 18	3 22.63	+42 41.6	2.002	2.830	13.4	20.5
10 28	3 14.56	+42 56.1	1.938	2.824	11.0	20.4
11 7	3 4.77	+42 44.4	1.897	2.818	9.1	20.2
11 17	2 54.49	+42 5.6	1.881	2.812	8.3	20.2
11 27	2 45.14	+41 3.3	1.892	2.806	9.2	20.2
12 7	2 37.89	+39 44.9	1.928	2.801	11.2	20.4
12 17	2 33.46	+38 19.5	1.987	2.797	13.6	20.5

199765 2006 KT_{3} 11 10.1 195°.03 1°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.01	+16 11.3	1.916	2.767	13.0	21.0
10 18	3 21.28	+15 34.1	1.843	2.766	9.5	20.8
10 28	3 13.51	+14 49.6	1.794	2.764	5.5	20.5
11 7	3 4.48	+14 1.0	1.773	2.763	1.6	20.3
11 17	2 55.21	+13 13.0	1.782	2.760	3.6	20.4
11 27	2 46.75	+12 30.7	1.819	2.758	7.7	20.7
12 7	2 40.01	+11 58.5	1.882	2.755	11.5	20.9
12 17	2 35.56	+11 39.2	1.968	2.752	14.7	21.1

121989 2000 FV_{9} 11 10.1 76°.42 2°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.21	+23 32.9	1.485	2.328	16.6	19.7
10 18	3 25.59	+23 51.7	1.429	2.342	12.5	19.5
10 28	3 16.19	+23 56.6	1.395	2.357	7.9	19.2
11 7	3 5.13	+23 47.4	1.386	2.371	3.5	19.0
11 17	2 53.85	+23 26.3	1.405	2.385	3.9	19.1
11 27	2 43.85	+22 58.7	1.450	2.400	8.3	19.4
12 7	2 36.29	+22 31.1	1.521	2.414	12.5	19.7
12 17	2 31.81	+22 9.2	1.614	2.428	16.1	19.9

420053 2011 DF_{29} 11 10.1 186°.94 4°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.51	+33 15.4	2.648	3.432	11.8	21.7
10 18	3 20.69	+33 27.7	2.564	3.431	9.5	21.5
10 28	3 13.09	+33 25.6	2.504	3.431	7.0	21.4
11 7	3 4.39	+33 8.1	2.471	3.430	4.9	21.3
11 17	2 55.42	+32 36.2	2.467	3.429	4.5	21.2
11 27	2 47.10	+31 53.0	2.492	3.428	6.1	21.3
12 7	2 40.23	+31 3.3	2.546	3.427	8.5	21.5
12 17	2 35.35	+30 12.5	2.624	3.426	10.9	21.7

130587 2000 RT_{80} 11 10.1 146°.59 1°.1/ 9.4 18

10 8	3 30.41	+17 46.1	1.603	2.456	15.1	19.7
10 18	3 23.97	+16 52.2	1.541	2.465	11.0	19.5
10 28	3 15.11	+15 47.7	1.503	2.473	6.4	19.2
11 7	3 4.86	+14 37.1	1.491	2.481	1.6	19.0
11 17	2 54.46	+13 26.9	1.508	2.488	4.0	19.1
11 27	2 45.19	+12 24.3	1.553	2.494	8.7	19.4
12 7	2 38.06	+11 35.3	1.624	2.500	12.9	19.7
12 17	2 33.65	+11 3.2	1.717	2.505	16.3	19.9

448886 2011 UB_{267} 11 10.1 27°.87 0°.2/10.2 15

10 8	3 25.11	+21 10.9	1.774	2.623	14.0	21.4
10 18	3 20.03	+20 19.8	1.704	2.624	10.3	21.2
10 28	3 12.81	+19 15.4	1.657	2.626	6.1	21.0
11 7	3 4.32	+18 1.7	1.638	2.627	1.5	20.7
11 17	2 55.62	+16 44.2	1.647	2.629	3.2	20.8
11 27	2 47.85	+15 30.1	1.685	2.631	7.6	21.1
12 7	2 41.92	+14 26.0	1.748	2.633	11.6	21.3
12 17	2 38.38	+13 36.5	1.835	2.635	15.0	21.6

74070 1998 MC_{9} 11 10.1 47°.51 5°.6/ 6.6 18

10 8	3 26.51	+ 8 59.6	1.307	2.185	16.2	18.0
10 18	3 21.03	+ 7 14.1	1.281	2.215	11.8	17.8
10 28	3 13.26	+ 5 30.0	1.278	2.246	7.6	17.6
11 7	3 4.38	+ 3 56.8	1.300	2.277	5.6	17.6
11 17	2 55.68	+ 2 43.0	1.349	2.309	7.7	17.8
11 27	2 48.39	+ 1 54.4	1.423	2.341	11.4	18.1
12 7	2 43.33	+ 1 32.1	1.519	2.373	14.9	18.4
12 17	2 40.91	+ 1 34.2	1.635	2.405	17.8	18.7

367598 2009 SW_{340} 11 10.1 196°.55 0°.2/ 9.9 17

10 8	3 25.49	+17 8.7	2.623	3.461	10.4	21.7
10 18	3 19.75	+16 58.3	2.543	3.459	7.6	21.5
10 28	3 12.47	+16 42.6	2.489	3.456	4.4	21.3
11 7	3 4.24	+16 23.3	2.464	3.454	1.0	21.0
11 17	2 55.79	+16 2.4	2.470	3.450	2.5	21.1
11 27	2 47.91	+15 43.0	2.506	3.447	5.8	21.3
12 7	2 41.27	+15 27.8	2.570	3.443	8.8	21.5
12 17	2 36.37	+15 19.3	2.659	3.438	11.4	21.7

317226 2002 CL_{158} 11 10.1 263°.16 3°.3/11.7 17

10 8	3 31.51	+24 59.8	1.393	2.237	17.4	21.2
10 18	3 25.60	+25 15.8	1.318	2.231	13.4	20.9
10 28	3 16.51	+25 15.6	1.264	2.225	8.7	20.6
11 7	3 5.29	+24 58.3	1.235	2.218	4.2	20.4
11 17	2 53.46	+24 25.5	1.232	2.212	4.5	20.4
11 27	2 42.75	+23 43.3	1.255	2.205	9.1	20.6
12 7	2 34.61	+23 0.1	1.302	2.199	13.9	20.9
12 17	2 29.88	+22 23.6	1.370	2.192	18.0	21.1

367215 2007 DQ_{113} 11 10.1 175°.43 0°.1/10.1 18

10 8	3 25.12	+18 25.1	2.722	3.557	10.1	22.0
10 18	3 19.41	+18 11.9	2.645	3.559	7.4	21.8
10 28	3 12.24	+17 52.9	2.594	3.561	4.3	21.6
11 7	3 4.19	+17 29.3	2.573	3.562	1.1	21.4
11 17	2 55.95	+17 3.6	2.582	3.563	2.3	21.5
11 27	2 48.28	+16 38.6	2.621	3.563	5.5	21.7
12 7	2 41.83	+16 17.3	2.689	3.563	8.4	21.9
12 17	2 37.05	+16 2.3	2.782	3.563	10.9	22.1

191178 2002 NS_{36} 11 10.1 63°.85 4°.2/ 6.8 18

10 8	3 22.75	+ 6 27.4	2.205	3.065	11.3	20.1
10 18	3 17.84	+ 5 29.4	2.148	3.071	8.3	20.0
10 28	3 11.36	+ 4 32.5	2.115	3.078	5.5	19.8
11 7	3 3.98	+ 3 41.6	2.111	3.084	4.2	19.7
11 17	2 56.48	+ 3 1.0	2.135	3.090	5.6	19.9
11 27	2 49.67	+ 2 34.3	2.187	3.097	8.4	20.0
12 7	2 44.23	+ 2 23.3	2.265	3.104	11.2	20.2
12 17	2 40.62	+ 2 28.2	2.364	3.110	13.6	20.4

60501 2000 DN_{96} 11 10.1 99°.06 2°.2/12.0 18

10 8	3 25.47	+26 18.8	2.439	3.257	11.7	19.4
10 18	3 19.82	+26 7.8	2.372	3.270	8.9	19.2
10 28	3 12.51	+25 45.0	2.329	3.283	5.8	19.1
11 7	3 4.25	+25 11.3	2.314	3.296	2.9	18.9
11 17	2 55.87	+24 29.2	2.329	3.308	2.9	18.9
11 27	2 48.24	+23 42.7	2.374	3.320	5.7	19.1
12 7	2 42.06	+22 56.4	2.447	3.333	8.7	19.3
12 17	2 37.80	+22 14.7	2.545	3.345	11.3	19.5

10377 Kilimanjaro 11 10.1 18°.11 1°.0/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 23.27	+15 57.6	1.871	2.731	12.9	18.1
10 18	3 18.55	+15 31.5	1.809	2.736	9.4	17.9
10 28	3 11.91	+14 59.3	1.770	2.742	5.4	17.7
11 7	3 4.12	+14 24.0	1.759	2.748	1.5	17.4
11 17	2 56.15	+13 49.6	1.775	2.755	3.4	17.6
11 27	2 49.00	+13 20.5	1.819	2.762	7.4	17.8
12 7	2 43.51	+13 0.5	1.890	2.770	11.1	18.1
12 17	2 40.19	+12 51.9	1.982	2.779	14.1	18.3

476787 2008 UP_{146} 11 10.1 5°.51 0°.9/10.6 16

10 8	3 25.40	+21 41.3	1.373	2.235	16.6	21.0
10 18	3 20.82	+21 14.3	1.309	2.234	12.3	20.8
10 28	3 13.53	+20 32.3	1.266	2.235	7.4	20.5
11 7	3 4.55	+19 38.1	1.247	2.236	2.2	20.2
11 17	2 55.24	+18 37.3	1.255	2.238	3.6	20.3
11 27	2 47.08	+17 37.6	1.289	2.241	8.8	20.6
12 7	2 41.22	+16 46.8	1.347	2.244	13.4	20.9
12 17	2 38.33	+16 10.2	1.425	2.248	17.4	21.1

171847 2001 KK_{45} 11 10.1 194°.08 5°.7/ 6.3 18

10 8	3 27.07	+ 1 4.9	2.145	2.994	11.9	20.1
10 18	3 21.06	+ 0 21.1	2.080	2.993	9.2	19.9
10 28	3 13.29	− 0 17.1	2.041	2.991	6.7	19.7
11 7	3 4.46	− 0 45.0	2.028	2.989	5.7	19.7
11 17	2 55.44	− 0 58.6	2.045	2.986	7.0	19.7
11 27	2 47.13	− 0 55.3	2.089	2.983	9.6	19.9
12 7	2 40.30	− 0 34.7	2.158	2.979	12.3	20.1
12 17	2 35.49	+ 0 1.9	2.249	2.976	14.7	20.3

69620 1998 FP_{53} 11 10.1 312°.40 3°.2/ 8.3 18

10 8	3 24.03	+14 54.7	1.169	2.052	17.3	18.4
10 18	3 20.45	+13 44.4	1.086	2.025	12.9	18.1
10 28	3 13.70	+12 19.6	1.024	1.998	7.7	17.7
11 7	3 4.70	+10 47.2	0.985	1.972	3.3	17.4
11 17	2 54.86	+ 9 17.4	0.970	1.947	6.5	17.5
11 27	2 45.95	+ 8 2.0	0.980	1.921	12.3	17.7
12 7	2 39.50	+ 7 10.1	1.010	1.897	17.8	17.9
12 17	2 36.46	+ 6 45.9	1.058	1.874	22.5	18.2

450474 2005 WO_{195} 11 10.1 274°.60 7°.9/ 2.7 18

10 8	3 25.34	− 9 38.0	2.680	3.500	10.7	20.6
10 18	3 19.71	−10 38.7	2.595	3.469	9.1	20.5
10 28	3 12.52	−11 29.4	2.535	3.437	8.1	20.4
11 7	3 4.32	−12 4.8	2.501	3.405	8.0	20.3
11 17	2 55.77	−12 20.8	2.495	3.372	9.0	20.3
11 27	2 47.66	−12 14.8	2.515	3.338	10.8	20.4
12 7	2 40.68	−11 47.0	2.559	3.304	12.7	20.5
12 17	2 35.35	−10 59.1	2.622	3.269	14.5	20.6

21545 Koirala 11 10.1 170°.94 2°.5/ 8.1 18

10 8	3 23.29	+12 6.4	2.216	3.072	11.3	18.4
10 18	3 18.31	+11 13.2	2.147	3.073	8.2	18.2
10 28	3 11.69	+10 16.2	2.104	3.073	4.9	18.0
11 7	3 4.10	+ 9 19.8	2.088	3.073	2.5	17.8
11 17	2 56.33	+ 8 28.4	2.103	3.073	4.2	17.9
11 27	2 49.24	+ 7 46.5	2.146	3.073	7.5	18.1
12 7	2 43.55	+ 7 17.2	2.215	3.074	10.6	18.3
12 17	2 39.72	+ 7 2.2	2.308	3.074	13.3	18.5

167934 2005 EK_{173} 11 10.1 3°.07 0°.9/ 9.6 18

10 8	3 26.40	+16 16.2	1.537	2.401	15.0	19.8
10 18	3 21.28	+15 56.5	1.471	2.400	11.0	19.5
10 28	3 13.71	+15 29.1	1.428	2.400	6.4	19.3
11 7	3 4.62	+14 57.3	1.411	2.400	1.6	19.0
11 17	2 55.20	+14 25.4	1.420	2.401	3.9	19.1
11 27	2 46.78	+13 58.8	1.457	2.402	8.6	19.4
12 7	2 40.41	+13 42.0	1.518	2.404	12.9	19.7
12 17	2 36.75	+13 37.9	1.600	2.406	16.5	19.9

45881 2000 WD_{55} 11 10.1 231°.90 3°.2/12.3 18

10 8	3 28.97	+27 39.3	2.057	2.873	13.6	19.1
10 18	3 22.91	+27 40.3	1.969	2.864	10.6	18.9
10 28	3 14.61	+27 26.7	1.904	2.854	7.1	18.7
11 7	3 4.84	+26 58.0	1.866	2.844	3.9	18.5
11 17	2 54.65	+26 16.0	1.857	2.834	3.8	18.5
11 27	2 45.23	+25 25.3	1.877	2.823	7.0	18.6
12 7	2 37.59	+24 32.2	1.924	2.812	10.5	18.8
12 17	2 32.38	+23 42.8	1.995	2.800	13.8	19.0

488991 2005 UE_{387} 11 10.1 318°.17 1°.5/11.3 17

10 8	3 23.10	+25 18.2	1.772	2.614	14.4	21.5
10 18	3 18.84	+24 27.6	1.681	2.595	10.9	21.3
10 28	3 12.30	+23 18.4	1.613	2.577	6.8	21.0
11 7	3 4.29	+21 53.2	1.572	2.558	2.6	20.7
11 17	2 55.87	+20 17.2	1.558	2.541	3.1	20.7
11 27	2 48.26	+18 38.7	1.573	2.523	7.6	20.9
12 7	2 42.45	+17 6.6	1.614	2.507	11.9	21.2
12 17	2 39.13	+15 48.1	1.678	2.491	15.6	21.4

58445 1996 HU_{16} 11 10.1 223°.14 0°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.55	+17 48.2	1.752	2.603	14.1	19.9
10 18	3 22.69	+17 21.4	1.675	2.597	10.4	19.7
10 28	3 14.49	+16 45.6	1.622	2.592	6.1	19.4
11 7	3 4.81	+16 3.3	1.596	2.586	1.4	19.1
11 17	2 54.77	+15 18.8	1.598	2.579	3.5	19.2
11 27	2 45.61	+14 37.8	1.629	2.573	8.1	19.5
12 7	2 38.34	+14 5.4	1.686	2.566	12.2	19.7
12 17	2 33.64	+13 45.4	1.764	2.558	15.7	19.9

38016 1998 KV_{65} 11 10.1 142°.38 7°.5/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.24	− 2 46.8	2.103	2.949	12.3	18.9
10 18	3 20.38	− 4 14.6	2.056	2.959	9.8	18.8
10 28	3 12.84	− 5 33.8	2.035	2.969	7.9	18.7
11 7	3 4.37	− 6 37.8	2.042	2.978	7.5	18.7
11 17	2 55.82	− 7 21.4	2.076	2.987	8.8	18.8
11 27	2 48.07	− 7 41.8	2.136	2.995	11.0	18.9
12 7	2 41.84	− 7 39.1	2.220	3.003	13.3	19.1
12 17	2 37.59	− 7 15.4	2.323	3.010	15.3	19.3

133754 2003 WJ_{27} 11 10.1 184°.68 1°.7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.65	+24 40.3	2.721	3.541	10.6	20.4
10 18	3 19.17	+24 30.1	2.640	3.541	8.0	20.2
10 28	3 12.16	+24 10.1	2.584	3.540	5.1	20.0
11 7	3 4.23	+23 41.1	2.556	3.540	2.3	19.8
11 17	2 56.09	+23 5.1	2.559	3.539	2.5	19.9
11 27	2 48.54	+22 25.6	2.592	3.538	5.3	20.0
12 7	2 42.25	+21 46.4	2.653	3.536	8.2	20.2
12 17	2 37.69	+21 11.3	2.740	3.535	10.7	20.4

374698 2006 RT_{47} 11 10.1 79°.62 2°.7/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.09	+23 24.5	1.372	2.217	17.6	20.8
10 18	3 27.08	+23 42.9	1.322	2.236	13.2	20.6
10 28	3 17.12	+23 46.6	1.292	2.255	8.3	20.4
11 7	3 5.44	+23 35.3	1.288	2.273	3.6	20.2
11 17	2 53.59	+23 11.6	1.311	2.292	4.1	20.3
11 27	2 43.21	+22 41.5	1.360	2.310	8.6	20.6
12 7	2 35.50	+22 12.2	1.435	2.328	13.0	20.9
12 17	2 31.07	+21 49.6	1.530	2.346	16.7	21.2

476497 2008 FG_{126} 11 10.1 135°.16 4°.7/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.28	+ 8 27.9	1.611	2.476	14.4	21.8
10 18	3 22.36	+ 7 18.9	1.556	2.483	10.6	21.6
10 28	3 14.19	+ 6 9.0	1.524	2.490	6.8	21.4
11 7	3 4.73	+ 5 4.7	1.518	2.496	4.7	21.3
11 17	2 55.11	+ 4 12.8	1.540	2.503	6.6	21.4
11 27	2 46.53	+ 3 38.5	1.590	2.508	10.3	21.7
12 7	2 39.94	+ 3 24.4	1.663	2.514	13.9	21.9
12 17	2 35.87	+ 3 30.4	1.757	2.519	17.0	22.1

869 Mellena 11 10.1 126°.13 3°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.75	+ 8 34.1	2.211	3.063	11.5	16.8
10 18	3 20.68	+ 7 43.3	2.157	3.078	8.4	16.6
10 28	3 13.00	+ 6 52.4	2.129	3.093	5.3	16.4
11 7	3 4.42	+ 6 5.5	2.129	3.108	3.4	16.3
11 17	2 55.78	+ 5 27.0	2.159	3.122	5.0	16.5
11 27	2 47.93	+ 5 0.2	2.218	3.135	7.9	16.7
12 7	2 41.56	+ 4 47.3	2.303	3.148	10.8	16.9
12 17	2 37.12	+ 4 48.5	2.411	3.160	13.3	17.1

441719 2009 BC_{34} 11 10.1 166°.47 1°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.46	+14 46.1	1.999	2.849	12.6	21.8
10 18	3 21.54	+14 22.1	1.929	2.852	9.2	21.6
10 28	3 13.67	+13 53.0	1.884	2.854	5.3	21.4
11 7	3 4.61	+13 21.6	1.867	2.856	1.6	21.1
11 17	2 55.32	+12 51.5	1.879	2.857	3.5	21.3
11 27	2 46.83	+12 26.8	1.920	2.859	7.5	21.5
12 7	2 39.99	+12 10.9	1.988	2.860	11.0	21.8
12 17	2 35.36	+12 6.1	2.079	2.860	14.1	22.0

138776 2000 SH_{328} 11 10.1 31°.94 1°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.19	+14 22.5	1.938	2.795	12.7	19.8
10 18	3 19.94	+13 52.8	1.871	2.796	9.2	19.6
10 28	3 12.74	+13 18.1	1.828	2.798	5.4	19.4
11 7	3 4.39	+12 41.6	1.812	2.800	1.8	19.1
11 17	2 55.81	+12 7.5	1.825	2.802	3.7	19.3
11 27	2 48.03	+11 39.9	1.866	2.804	7.6	19.5
12 7	2 41.88	+11 22.4	1.933	2.807	11.2	19.8
12 17	2 37.91	+11 16.9	2.023	2.809	14.3	20.0

469279 1995 QP_{5} 11 10.1 71°.37 3°.1/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.81	+26 40.1	1.355	2.197	17.9	21.5
10 18	3 24.72	+26 24.8	1.302	2.214	13.6	21.3
10 28	3 15.74	+25 49.5	1.271	2.230	8.8	21.1
11 7	3 5.11	+24 55.6	1.264	2.247	4.1	20.8
11 17	2 54.37	+23 48.4	1.283	2.264	4.2	20.9
11 27	2 45.11	+22 36.4	1.329	2.280	8.6	21.2
12 7	2 38.45	+21 28.9	1.399	2.297	13.0	21.5
12 17	2 34.98	+20 33.2	1.492	2.314	16.7	21.8

365151 2009 DO_{73} 11 10.1 226°.84 6°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.01	+ 2 2.3	2.062	2.918	12.1	21.3
10 18	3 19.69	+ 0 47.8	1.995	2.911	9.3	21.1
10 28	3 12.56	− 0 23.1	1.953	2.904	6.9	21.0
11 7	3 4.35	− 1 24.2	1.938	2.897	6.1	20.9
11 17	2 55.90	− 2 9.8	1.952	2.889	7.6	21.0
11 27	2 48.15	− 2 35.9	1.993	2.881	10.3	21.2
12 7	2 41.87	− 2 41.2	2.057	2.873	13.0	21.3
12 17	2 37.61	− 2 26.4	2.143	2.865	15.5	21.5

330733 2008 RA_{137} 11 10.1 70°.26 2°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.46	+25 7.0	2.284	3.109	12.1	20.7
10 18	3 19.95	+25 3.8	2.217	3.120	9.2	20.5
10 28	3 12.68	+24 49.3	2.175	3.131	5.9	20.3
11 7	3 4.37	+24 24.3	2.159	3.142	2.8	20.2
11 17	2 55.89	+23 51.0	2.173	3.153	2.9	20.2
11 27	2 48.18	+23 13.3	2.217	3.164	6.0	20.4
12 7	2 41.99	+22 35.9	2.288	3.175	9.1	20.6
12 17	2 37.82	+22 2.9	2.383	3.186	11.8	20.8

251564 2009 DP_{120} 11 10.1 112°.87 4°.6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.73	+ 5 18.7	2.184	3.038	11.6	21.2
10 18	3 19.93	+ 4 11.7	2.136	3.055	8.6	21.1
10 28	3 12.55	+ 3 7.0	2.114	3.072	5.9	20.9
11 7	3 4.32	+ 2 9.9	2.120	3.089	4.6	20.9
11 17	2 56.05	+ 1 24.9	2.155	3.105	6.1	21.0
11 27	2 48.58	+ 0 55.6	2.219	3.121	8.7	21.2
12 7	2 42.58	+ 0 43.3	2.308	3.136	11.4	21.4
12 17	2 38.47	+ 0 47.6	2.419	3.151	13.7	21.6

48783 1997 SR 11 10.1 73°.59 6°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.82	+36 28.8	1.824	2.609	16.3	18.0
10 18	3 25.21	+36 58.8	1.766	2.627	13.3	17.8
10 28	3 15.97	+37 6.6	1.728	2.645	10.2	17.7
11 7	3 5.18	+36 49.8	1.714	2.664	7.6	17.5
11 17	2 54.19	+36 9.3	1.727	2.682	6.9	17.5
11 27	2 44.43	+35 10.6	1.768	2.700	8.5	17.7
12 7	2 36.99	+34 2.2	1.834	2.718	11.2	17.9
12 17	2 32.47	+32 52.6	1.924	2.736	13.9	18.1

212880 2007 VK_{232} 11 10.1 157°.47 0°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.72	+20 45.6	1.613	2.459	15.3	20.4
10 18	3 24.32	+20 3.5	1.546	2.465	11.3	20.2
10 28	3 15.43	+19 8.0	1.503	2.471	6.7	20.0
11 7	3 5.06	+18 2.4	1.486	2.475	1.7	19.6
11 17	2 54.47	+16 52.5	1.498	2.480	3.4	19.8
11 27	2 45.01	+15 45.7	1.538	2.483	8.3	20.1
12 7	2 37.72	+14 48.9	1.604	2.486	12.6	20.4
12 17	2 33.21	+14 6.9	1.692	2.489	16.2	20.6

367224 2007 EN_{201} 11 10.1 170°.01 8°.8/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.30	−17 5.4	2.964	3.753	10.6	21.1
10 18	3 18.65	−18 9.1	2.923	3.756	9.5	21.0
10 28	3 11.74	−18 58.2	2.906	3.759	8.8	21.0
11 7	3 4.14	−19 28.4	2.915	3.762	8.9	21.0
11 17	2 56.45	−19 37.0	2.948	3.765	9.6	21.1
11 27	2 49.34	−19 23.1	3.006	3.766	10.7	21.1
12 7	2 43.34	−18 48.1	3.085	3.768	12.0	21.3
12 17	2 38.86	−17 54.8	3.183	3.769	13.1	21.4

484979 2009 UK_{17} 11 10.1 55°.29 1°.4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.59	+23 55.2	2.050	2.886	12.9	20.7
10 18	3 19.44	+23 24.2	1.982	2.893	9.7	20.5
10 28	3 12.43	+22 40.5	1.939	2.902	6.0	20.3
11 7	3 4.32	+21 46.3	1.923	2.910	2.2	20.1
11 17	2 56.07	+20 45.6	1.936	2.918	2.7	20.1
11 27	2 48.65	+19 43.9	1.978	2.927	6.5	20.4
12 7	2 42.87	+18 46.9	2.047	2.935	10.0	20.6
12 17	2 39.24	+17 59.1	2.140	2.944	13.0	20.9

451648 2012 KA_{37} 11 10.1 283°.74 3°.1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.51	+ 8 36.0	2.212	3.064	11.5	21.3
10 18	3 20.90	+ 8 16.5	2.117	3.039	8.5	21.0
10 28	3 13.39	+ 7 56.9	2.048	3.014	5.4	20.8
11 7	3 4.60	+ 7 40.4	2.007	2.989	3.1	20.6
11 17	2 55.36	+ 7 30.1	1.995	2.964	4.7	20.7
11 27	2 46.63	+ 7 29.1	2.012	2.938	8.1	20.8
12 7	2 39.27	+ 7 39.5	2.056	2.912	11.4	21.0
12 17	2 33.92	+ 8 2.2	2.123	2.886	14.4	21.1

403160 2008 FU_{122} 11 10.1 148°.36 0°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.59	+20 4.9	2.158	2.995	12.3	21.9
10 18	3 21.62	+20 7.4	2.084	2.998	9.1	21.7
10 28	3 13.73	+20 2.0	2.036	3.001	5.5	21.5
11 7	3 4.66	+19 49.6	2.015	3.003	1.7	21.2
11 17	2 55.33	+19 32.3	2.023	3.005	2.7	21.3
11 27	2 46.74	+19 13.5	2.062	3.007	6.5	21.6
12 7	2 39.72	+18 56.9	2.127	3.010	9.9	21.8
12 17	2 34.86	+18 46.0	2.217	3.011	12.9	22.0

118553 2000 EB_{171} 11 10.1 149°.73 1°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.29	+14 11.8	1.650	2.505	14.7	20.2
10 18	3 24.71	+14 7.0	1.585	2.508	10.7	20.0
10 28	3 15.69	+13 57.7	1.542	2.512	6.3	19.7
11 7	3 5.16	+13 46.3	1.526	2.515	1.8	19.4
11 17	2 54.31	+13 35.8	1.539	2.519	3.9	19.6
11 27	2 44.48	+13 30.1	1.580	2.521	8.5	19.9
12 7	2 36.71	+13 32.5	1.646	2.524	12.6	20.1
12 17	2 31.65	+13 45.1	1.735	2.526	16.1	20.4

452742 2006 BF_{111} 11 10.1 259°.90 4°.7/ 6.5 17

10 8	3 23.97	+ 3 43.3	2.314	3.168	11.0	21.3
10 18	3 18.81	+ 2 58.2	2.241	3.159	8.3	21.1
10 28	3 12.03	+ 2 16.0	2.193	3.150	5.8	21.0
11 7	3 4.26	+ 1 41.0	2.173	3.141	4.7	20.9
11 17	2 56.25	+ 1 17.1	2.182	3.131	6.1	20.9
11 27	2 48.82	+ 1 7.6	2.219	3.122	8.7	21.1
12 7	2 42.70	+ 1 13.5	2.281	3.112	11.4	21.3
12 17	2 38.39	+ 1 34.7	2.365	3.102	13.8	21.4

46462 6179 *P–L* 11 10.1 108°.02 1°.3/10.9 18

10 8	3 28.64	+22 19.4	1.877	2.715	13.9	19.8
10 18	3 22.53	+22 6.3	1.813	2.726	10.3	19.6
10 28	3 14.29	+21 41.6	1.774	2.737	6.3	19.4
11 7	3 4.80	+21 6.9	1.761	2.748	2.2	19.2
11 17	2 55.14	+20 25.5	1.777	2.759	3.0	19.3
11 27	2 46.43	+19 42.6	1.821	2.769	7.0	19.5
12 7	2 39.60	+19 3.6	1.893	2.779	10.8	19.8
12 17	2 35.19	+18 32.8	1.988	2.789	13.9	20.0

379620 2011 DU_3 11 10.1 292°.05 2°.1/ 9.0 18

10 8	3 27.82	+14 31.2	1.412	2.280	15.9	21.5
10 18	3 22.79	+13 57.7	1.329	2.260	11.7	21.2
10 28	3 14.90	+13 16.1	1.268	2.240	6.9	20.9
11 7	3 5.04	+12 30.5	1.231	2.220	2.4	20.5
11 17	2 54.48	+11 46.7	1.221	2.200	5.0	20.7
11 27	2 44.80	+11 11.6	1.237	2.180	10.2	20.9
12 7	2 37.31	+10 50.8	1.277	2.160	15.1	21.1
12 17	2 32.88	+10 47.6	1.336	2.140	19.3	21.4

123479 2000 WD_{162} 11 10.1 176°.01 7°.8/ 5.4 18

10 8	3 29.17	− 4 55.9	2.038	2.876	12.9	19.0
10 18	3 22.65	− 5 43.9	1.981	2.878	10.4	18.8
10 28	3 14.27	− 6 20.9	1.949	2.879	8.4	18.7
11 7	3 4.79	− 6 41.4	1.943	2.880	7.8	18.7
11 17	2 55.16	− 6 41.5	1.965	2.881	9.0	18.8
11 27	2 46.35	− 6 19.5	2.014	2.881	11.2	18.9
12 7	2 39.16	− 5 36.6	2.086	2.881	13.6	19.1
12 17	2 34.11	− 4 35.6	2.179	2.880	15.8	19.3

369753 2012 FU_{63} 11 10.1 138°.97 1°.4/11.3 18

10 8	3 26.10	+22 48.7	2.625	3.449	10.8	21.9
10 18	3 20.24	+22 47.7	2.552	3.457	8.1	21.7
10 28	3 12.81	+22 38.2	2.505	3.464	5.0	21.5
11 7	3 4.44	+22 21.0	2.486	3.472	2.0	21.3
11 17	2 55.90	+21 57.7	2.498	3.479	2.4	21.4
11 27	2 48.00	+21 31.4	2.540	3.485	5.4	21.6
12 7	2 41.41	+21 5.8	2.610	3.492	8.4	21.8
12 17	2 36.62	+20 44.1	2.706	3.498	10.9	22.0

67773 2000 UM_{79} 11 10.1 95°.60 2°.6/12.1 18

10 8	3 29.22	+27 54.9	1.764	2.588	15.2	18.9
10 18	3 23.01	+27 14.1	1.704	2.605	11.6	18.7
10 28	3 14.55	+26 14.9	1.667	2.622	7.5	18.5
11 7	3 4.85	+24 59.6	1.656	2.639	3.5	18.3
11 17	2 55.12	+23 33.3	1.675	2.655	3.4	18.4
11 27	2 46.56	+22 4.1	1.722	2.671	7.2	18.6
12 7	2 40.08	+20 40.2	1.797	2.687	11.0	18.9
12 17	2 36.18	+19 27.8	1.895	2.703	14.3	19.2

188978 2008 ER_{119} 11 10.1 22°.63 0°.2/10.2 18

10 8	3 26.17	+18 37.2	1.733	2.587	14.1	20.4
10 18	3 20.91	+18 27.7	1.667	2.590	10.4	20.1
10 28	3 13.44	+18 9.7	1.625	2.595	6.1	19.9
11 7	3 4.62	+17 45.2	1.610	2.599	1.5	19.6
11 17	2 55.54	+17 17.5	1.622	2.604	3.1	19.7
11 27	2 47.37	+16 51.2	1.662	2.609	7.6	20.0
12 7	2 41.07	+16 30.9	1.727	2.615	11.5	20.3
12 17	2 37.24	+16 20.0	1.815	2.621	14.9	20.5

321032 2008 PL_4 11 10.1 114°.71 3°.4/12.7 17

10 8	3 27.60	+28 31.9	2.399	3.207	12.2	21.1
10 18	3 21.56	+28 47.5	2.326	3.214	9.5	20.9
10 28	3 13.68	+28 50.5	2.277	3.222	6.5	20.7
11 7	3 4.67	+28 40.5	2.256	3.229	3.9	20.6
11 17	2 55.42	+28 18.5	2.263	3.236	3.7	20.6
11 27	2 46.90	+27 48.0	2.300	3.244	6.1	20.7
12 7	2 39.92	+27 13.5	2.366	3.250	9.0	20.9
12 17	2 35.02	+26 39.8	2.455	3.257	11.6	21.1

440749 2006 DC_5 11 10.1 193°.93 0°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.12	+17 16.3	1.988	2.834	12.9	22.7
10 18	3 22.12	+16 49.6	1.913	2.833	9.4	22.5
10 28	3 14.08	+16 15.3	1.862	2.831	5.5	22.3
11 7	3 4.78	+15 35.9	1.839	2.829	1.3	22.0
11 17	2 55.21	+14 55.2	1.846	2.826	3.2	22.1
11 27	2 46.43	+14 18.0	1.881	2.823	7.3	22.4
12 7	2 39.33	+13 48.6	1.944	2.819	11.1	22.6
12 17	2 34.51	+13 30.2	2.029	2.815	14.2	22.8

37204 2000 WE_{100} 11 10.1 278°.97 3°.8/ 7.8 18

10 8	3 26.06	+ 6 34.4	2.113	2.968	11.8	18.0
10 18	3 20.49	+ 6 11.5	2.039	2.961	8.8	17.8
10 28	3 13.09	+ 5 50.4	1.990	2.954	5.7	17.6
11 7	3 4.55	+ 5 34.7	1.969	2.947	3.8	17.5
11 17	2 55.72	+ 5 27.7	1.976	2.940	5.3	17.6
11 27	2 47.56	+ 5 32.1	2.012	2.933	8.4	17.7
12 7	2 40.87	+ 5 49.2	2.074	2.925	11.5	17.9
12 17	2 36.21	+ 6 19.1	2.158	2.918	14.3	18.1

76400 2000 FR_{12} 11 10.1 177°.46 4°.8/ 6.4 18

10 8	3 24.41	+ 1 3.3	2.586	3.432	10.2	18.6
10 18	3 18.92	+ 0 29.2	2.521	3.432	7.9	18.4
10 28	3 12.01	+ 0 0.2	2.483	3.433	5.7	18.3
11 7	3 4.26	− 0 20.2	2.473	3.433	4.8	18.3
11 17	2 56.37	− 0 29.0	2.493	3.433	6.0	18.3
11 27	2 49.05	− 0 24.2	2.540	3.433	8.1	18.5
12 7	2 42.93	− 0 5.4	2.614	3.433	10.5	18.6
12 17	2 38.46	+ 0 26.7	2.711	3.433	12.6	18.8

71614 2000 EF_{18} 11 10.1 354°.33 8°.2/ 5.4 18

10 8	3 23.93	− 3 30.7	1.725	2.584	13.9	18.7
10 18	3 19.17	− 4 20.2	1.669	2.580	11.2	18.6
10 28	3 12.38	− 4 58.5	1.636	2.576	9.0	18.4
11 7	3 4.38	− 5 19.1	1.627	2.573	8.3	18.4
11 17	2 56.14	− 5 17.5	1.644	2.571	9.6	18.5
11 27	2 48.74	− 4 51.8	1.685	2.570	12.1	18.6
12 7	2 43.05	− 4 3.0	1.750	2.569	14.8	18.8
12 17	2 39.63	− 2 54.6	1.833	2.569	17.3	19.0

266134 2006 TA_{58} 11 10.1 77°.20 0°.3/10.3 18

10 8	3 32.62	+18 50.8	1.351	2.208	17.1	20.5
10 18	3 25.89	+18 42.0	1.304	2.228	12.5	20.3
10 28	3 16.39	+18 22.6	1.279	2.248	7.4	20.0
11 7	3 5.33	+17 54.9	1.279	2.268	1.8	19.7
11 17	2 54.20	+17 23.4	1.306	2.288	3.7	19.9
11 27	2 44.51	+16 54.0	1.359	2.308	8.8	20.3
12 7	2 37.37	+16 32.3	1.438	2.327	13.3	20.6
12 17	2 33.34	+16 22.0	1.537	2.346	17.0	20.9

387623 2002 HA_{18} 11 10.1 125°.44 1°.7/11.1 18

10 8	3 31.36	+21 37.5	1.898	2.732	13.9	21.0
10 18	3 24.60	+21 54.1	1.830	2.740	10.4	20.8
10 28	3 15.58	+22 1.0	1.787	2.749	6.4	20.5
11 7	3 5.16	+21 58.2	1.771	2.757	2.5	20.3
11 17	2 54.46	+21 47.4	1.784	2.765	3.1	20.4
11 27	2 44.69	+21 32.2	1.826	2.773	7.1	20.6
12 7	2 36.84	+21 17.1	1.895	2.780	10.8	20.9
12 17	2 31.51	+21 6.4	1.988	2.787	14.0	21.1

472476 2015 BH_{472} 11 10.1 120°.22 3°.2/12.2 16

10 8	3 32.51	+27 36.7	1.615	2.441	16.3	21.4
10 18	3 25.69	+27 22.9	1.554	2.456	12.5	21.2
10 28	3 16.26	+26 50.6	1.515	2.470	8.2	20.9
11 7	3 5.31	+26 0.3	1.502	2.483	4.2	20.7
11 17	2 54.21	+24 56.2	1.517	2.496	4.0	20.8
11 27	2 44.40	+23 45.6	1.560	2.508	7.9	21.0
12 7	2 36.93	+22 37.1	1.629	2.520	11.9	21.3
12 17	2 32.40	+21 37.6	1.721	2.531	15.4	21.5

260687 2005 JA_{79} 11 10.1 206°.61 0°.5/10.5 18

10 8	3 27.25	+19 53.4	1.914	2.759	13.3	21.1
10 18	3 21.60	+19 39.9	1.840	2.758	9.9	20.9
10 28	3 13.82	+19 17.0	1.790	2.757	5.9	20.6
11 7	3 4.74	+18 46.4	1.767	2.756	1.6	20.3
11 17	2 55.36	+18 11.4	1.773	2.755	2.9	20.4
11 27	2 46.79	+17 36.6	1.807	2.754	7.2	20.7
12 7	2 39.97	+17 6.7	1.868	2.752	11.0	20.9
12 17	2 35.51	+16 45.6	1.952	2.751	14.2	21.2

187271 2005 TU_{40} 11 10.1 54°.22 2°.0/11.4 18

10 8	3 27.47	+23 14.3	1.935	2.771	13.6	20.1
10 18	3 21.75	+23 21.2	1.867	2.777	10.2	19.9
10 28	3 13.90	+23 16.9	1.823	2.784	6.4	19.7
11 7	3 4.75	+23 2.0	1.805	2.790	2.7	19.5
11 17	2 55.35	+22 38.6	1.816	2.797	3.1	19.5
11 27	2 46.81	+22 10.7	1.856	2.804	6.8	19.8
12 7	2 40.06	+21 43.5	1.922	2.811	10.5	20.0
12 17	2 35.68	+21 21.2	2.011	2.818	13.6	20.3

484562 2008 JZ_{23} 11 10.1 76°.94 1°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.36	+11 55.8	2.073	2.925	12.2	21.0
10 18	3 21.39	+11 50.1	2.009	2.932	8.9	20.9
10 28	3 13.58	+11 42.6	1.970	2.939	5.2	20.6
11 7	3 4.67	+11 35.6	1.958	2.946	2.0	20.4
11 17	2 55.56	+11 31.7	1.976	2.953	3.7	20.6
11 27	2 47.22	+11 33.5	2.024	2.960	7.3	20.8
12 7	2 40.46	+11 43.0	2.097	2.967	10.7	21.0
12 17	2 35.81	+12 1.4	2.195	2.974	13.5	21.3

322440 2011 SW_{257} 11 10.1 105°.33 1°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.20	+15 6.0	1.984	2.833	12.8	21.2
10 18	3 22.00	+14 43.2	1.926	2.848	9.3	21.0
10 28	3 13.91	+14 15.3	1.893	2.863	5.4	20.8
11 7	3 4.75	+13 45.2	1.888	2.877	1.6	20.6
11 17	2 55.47	+13 16.4	1.913	2.892	3.4	20.7
11 27	2 47.09	+12 52.7	1.966	2.906	7.3	21.0
12 7	2 40.41	+12 37.6	2.047	2.919	10.7	21.3
12 17	2 35.93	+12 32.9	2.150	2.932	13.7	21.5

517212 2013 YE_{149} 11 10.1 298°.89 6°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.74	+ 3 55.7	1.454	2.323	15.4	20.9
10 18	3 22.65	+ 3 4.3	1.371	2.297	11.9	20.6
10 28	3 14.82	+ 2 15.8	1.310	2.271	8.3	20.3
11 7	3 5.07	+ 1 37.3	1.274	2.245	6.6	20.2
11 17	2 54.61	+ 1 16.1	1.264	2.220	8.6	20.2
11 27	2 44.92	+ 1 17.4	1.278	2.194	12.6	20.4
12 7	2 37.27	+ 1 43.0	1.315	2.168	16.8	20.6
12 17	2 32.52	+ 2 31.8	1.371	2.143	20.5	20.8

488178 2015 XA_{77} 11 10.1 164°.02 5°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.69	+ 2 6.4	2.271	3.123	11.2	21.5
10 18	3 19.30	+ 1 23.5	2.209	3.124	8.6	21.4
10 28	3 12.31	+ 0 45.1	2.172	3.125	6.2	21.2
11 7	3 4.37	+ 0 15.8	2.163	3.126	5.1	21.2
11 17	2 56.28	− 0 0.8	2.182	3.127	6.4	21.3
11 27	2 48.84	− 0 2.3	2.229	3.127	8.9	21.4
12 7	2 42.76	+ 0 12.2	2.302	3.128	11.5	21.6
12 17	2 38.52	+ 0 41.8	2.396	3.128	13.8	21.8

318410 2005 AF_{12} 11 10.1 13°.81 7°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.75	+32 32.6	1.114	1.954	21.1	19.6
10 18	3 25.02	+33 13.4	1.055	1.956	17.1	19.4
10 28	3 16.50	+33 27.2	1.014	1.959	12.6	19.1
11 7	3 5.49	+33 9.9	0.994	1.962	8.6	18.9
11 17	2 53.90	+32 22.1	0.997	1.967	7.8	18.9
11 27	2 43.92	+31 12.3	1.023	1.972	10.9	19.1
12 7	2 37.16	+29 53.5	1.071	1.978	15.1	19.4
12 17	2 34.41	+28 38.1	1.138	1.985	19.2	19.6

178579 1999 XV_{51} 11 10.2 3°.85 1°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.70	+14 20.7	0.921	1.817	19.7	19.1
10 18	3 21.22	+14 27.0	0.870	1.814	14.5	18.8
10 28	3 14.21	+14 27.5	0.838	1.814	8.5	18.5
11 7	3 4.92	+14 25.6	0.826	1.816	2.3	18.1
11 17	2 55.14	+14 25.5	0.837	1.819	5.1	18.3
11 27	2 46.84	+14 32.5	0.870	1.825	11.3	18.7
12 7	2 41.52	+14 50.5	0.923	1.832	16.8	19.0
12 17	2 39.95	+15 21.3	0.994	1.841	21.3	19.4

272423 2005 TE_{117} 11 10.2 217°.67 0°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.87	+18 41.5	1.823	2.670	13.8	21.5
10 18	3 22.91	+18 7.8	1.744	2.664	10.2	21.3
10 28	3 14.67	+17 23.9	1.688	2.657	6.0	21.0
11 7	3 4.99	+16 32.6	1.660	2.650	1.4	20.7
11 17	2 54.96	+15 38.3	1.661	2.642	3.3	20.8
11 27	2 45.77	+14 47.0	1.690	2.633	7.9	21.1
12 7	2 38.43	+14 4.4	1.746	2.624	11.9	21.3
12 17	2 33.58	+13 34.4	1.824	2.615	15.4	21.5

326052 2011 AZ_{9} 11 10.2 73°.55 4°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.14	+ 4 5.6	2.160	3.015	11.6	20.3
10 18	3 19.63	+ 3 29.8	2.106	3.025	8.7	20.1
10 28	3 12.49	+ 2 57.8	2.077	3.036	6.0	20.0
11 7	3 4.42	+ 2 33.7	2.076	3.047	4.6	19.9
11 17	2 56.25	+ 2 20.9	2.104	3.057	5.9	20.0
11 27	2 48.83	+ 2 21.7	2.159	3.068	8.6	20.2
12 7	2 42.85	+ 2 37.0	2.240	3.079	11.3	20.4
12 17	2 38.78	+ 3 5.9	2.344	3.089	13.7	20.6

128156 2003 QK_{92} 11 10.2 353°.52 7°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.34	+40 17.6	2.102	2.863	15.2	19.8
10 18	3 22.73	+40 45.9	2.022	2.861	12.8	19.7
10 28	3 14.65	+40 52.3	1.963	2.860	10.4	19.5
11 7	3 5.00	+40 34.0	1.928	2.859	8.3	19.4
11 17	2 54.95	+39 51.0	1.918	2.858	7.5	19.3
11 27	2 45.84	+38 47.1	1.936	2.858	8.6	19.4
12 7	2 38.75	+37 29.9	1.979	2.858	10.8	19.5
12 17	2 34.36	+36 8.0	2.047	2.858	13.2	19.7

452856 2006 SS_{204} 11 10.2 30°.94 1°.2/ 9.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.54	+16 10.6	1.660	2.521	14.2	21.4
10 18	3 20.48	+15 36.2	1.599	2.527	10.4	21.2
10 28	3 13.21	+14 54.2	1.560	2.532	6.0	21.0
11 7	3 4.62	+14 8.5	1.548	2.538	1.7	20.7
11 17	2 55.83	+13 24.0	1.564	2.544	3.8	20.9
11 27	2 47.99	+12 46.2	1.607	2.550	8.2	21.1
12 7	2 42.05	+12 19.6	1.675	2.557	12.2	21.4
12 17	2 38.56	+12 6.7	1.765	2.564	15.5	21.6

46040 2001 DT_{44} 11 10.2 141°.39 0°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.20	+19 25.2	2.544	3.380	10.7	19.6
10 18	3 19.60	+19 8.1	2.473	3.386	7.9	19.5
10 28	3 12.47	+18 44.1	2.427	3.393	4.6	19.3
11 7	3 4.43	+18 14.7	2.410	3.400	1.2	19.0
11 17	2 56.23	+17 42.5	2.424	3.406	2.3	19.1
11 27	2 48.68	+17 10.9	2.468	3.411	5.7	19.4
12 7	2 42.43	+16 43.4	2.539	3.417	8.7	19.6
12 17	2 37.95	+16 22.8	2.636	3.422	11.3	19.8

35697 1999 CG_{104} 11 10.2 92°.83 4°.3/12.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.78	+28 46.5	1.407	2.235	18.1	17.9
10 18	3 27.64	+28 52.4	1.356	2.256	14.0	17.7
10 28	3 17.51	+28 37.4	1.325	2.276	9.4	17.5
11 7	3 5.66	+28 1.0	1.319	2.296	5.3	17.3
11 17	2 53.72	+27 6.7	1.339	2.316	4.9	17.4
11 27	2 43.33	+26 2.4	1.387	2.335	8.6	17.6
12 7	2 35.68	+24 57.8	1.459	2.354	12.8	17.9
12 17	2 31.36	+24 1.0	1.554	2.372	16.4	18.2

44597 Thoreau 11 10.2 193°.93 1°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.64	+17 25.0	1.667	2.519	14.6	19.3
10 18	3 23.56	+16 39.2	1.595	2.518	10.7	19.1
10 28	3 15.08	+15 43.2	1.546	2.516	6.2	18.8
11 7	3 5.10	+14 41.0	1.524	2.514	1.6	18.5
11 17	2 54.83	+13 38.2	1.531	2.511	3.9	18.7
11 27	2 45.53	+12 41.7	1.566	2.508	8.6	19.0
12 7	2 38.25	+11 57.3	1.627	2.504	12.8	19.2
12 17	2 33.62	+11 28.6	1.710	2.499	16.3	19.4

432790 2011 FB_{129} 11 10.2 110°.11 0°.2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.22	+18 40.3	1.736	2.583	14.4	22.0
10 18	3 23.72	+18 12.6	1.680	2.599	10.5	21.8
10 28	3 15.02	+17 35.6	1.647	2.615	6.1	21.5
11 7	3 5.06	+16 52.2	1.641	2.631	1.5	21.3
11 17	2 55.00	+16 6.8	1.664	2.645	3.3	21.4
11 27	2 46.02	+15 24.9	1.716	2.660	7.7	21.7
12 7	2 39.05	+14 51.5	1.794	2.674	11.6	22.0
12 17	2 34.61	+14 29.7	1.894	2.688	14.8	22.3

380002 2013 EV_{96} 11 10.2 180°.55 1°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.61	+14 24.6	2.539	3.383	10.5	22.0
10 18	3 19.89	+13 53.2	2.464	3.384	7.6	21.9
10 28	3 12.65	+13 17.5	2.416	3.385	4.4	21.7
11 7	3 4.49	+12 40.1	2.397	3.385	1.5	21.4
11 17	2 56.15	+12 4.3	2.408	3.384	3.1	21.6
11 27	2 48.42	+11 33.5	2.449	3.383	6.3	21.8
12 7	2 41.97	+11 10.6	2.518	3.382	9.3	22.0
12 17	2 37.27	+10 57.5	2.612	3.380	11.9	22.1

302658 2002 RF_{267} 11 10.2 32°.86 0°.3/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.24	+18 32.9	1.611	2.469	14.8	20.9
10 18	3 21.08	+18 6.7	1.549	2.474	10.8	20.7
10 28	3 13.61	+17 30.6	1.509	2.480	6.3	20.5
11 7	3 4.75	+16 47.8	1.496	2.486	1.5	20.2
11 17	2 55.65	+16 3.0	1.510	2.492	3.4	20.3
11 27	2 47.57	+15 22.0	1.552	2.499	8.1	20.6
12 7	2 41.47	+14 49.9	1.619	2.506	12.2	20.9
12 17	2 37.95	+14 30.3	1.708	2.514	15.7	21.1

86883 2000 HH_{27} 11 10.2 56°.73 5°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.61	+10 4.5	1.291	2.167	16.5	18.6
10 18	3 22.03	+ 8 24.5	1.258	2.192	12.0	18.4
10 28	3 14.03	+ 6 43.4	1.248	2.217	7.5	18.3
11 7	3 4.80	+ 5 10.8	1.263	2.242	5.2	18.2
11 17	2 55.68	+ 3 55.6	1.305	2.268	7.4	18.4
11 27	2 47.96	+ 3 4.1	1.372	2.294	11.4	18.7
12 7	2 42.55	+ 2 38.6	1.461	2.320	15.1	19.0
12 17	2 39.88	+ 2 37.6	1.570	2.345	18.2	19.3

159519 2001 FK_{13} 11 10.2 234°.67 2°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.86	+12 2.1	2.438	3.289	10.6	20.3
10 18	3 18.72	+11 24.4	2.359	3.282	7.7	20.1
10 28	3 12.02	+10 43.8	2.307	3.276	4.6	19.9
11 7	3 4.37	+10 3.2	2.283	3.269	2.2	19.7
11 17	2 56.48	+ 9 26.4	2.289	3.261	3.8	19.8
11 27	2 49.17	+ 8 56.9	2.325	3.254	6.9	20.0
12 7	2 43.13	+ 8 37.6	2.387	3.247	9.9	20.2
12 17	2 38.83	+ 8 29.9	2.473	3.239	12.5	20.4

436461 2011 DQ_1 11 10.2 127°.72 0°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.48	+20 51.1	1.860	2.699	13.9	21.9
10 18	3 23.86	+20 27.7	1.798	2.713	10.3	21.7
10 28	3 15.10	+19 53.4	1.761	2.726	6.1	21.5
11 7	3 5.11	+19 10.6	1.750	2.739	1.7	21.2
11 17	2 54.98	+18 23.0	1.770	2.752	3.0	21.3
11 27	2 45.87	+17 36.2	1.818	2.764	7.2	21.6
12 7	2 38.68	+16 55.5	1.893	2.775	11.0	21.9
12 17	2 33.96	+16 25.0	1.992	2.785	14.2	22.1

487882 2015 TX_{138} 11 10.2 317°.90 5°.1/ 6.4 18

10 8	3 23.55	+ 5 6.1	1.952	2.815	12.3	20.7
10 18	3 18.77	+ 4 3.9	1.885	2.809	9.3	20.5
10 28	3 12.15	+ 3 3.4	1.843	2.804	6.4	20.4
11 7	3 4.42	+ 2 10.3	1.828	2.798	5.1	20.3
11 17	2 56.43	+ 1 29.9	1.841	2.793	6.7	20.4
11 27	2 49.17	+ 1 6.6	1.880	2.788	9.7	20.5
12 7	2 43.42	+ 1 1.9	1.944	2.783	12.8	20.7
12 17	2 39.73	+ 1 15.8	2.029	2.778	15.4	20.9

86322 1999 VJ_{216} 11 10.2 56°.56 3°.4/12.7 18

10 8	3 26.64	+28 33.7	2.059	2.876	13.6	19.3
10 18	3 21.14	+28 34.8	1.988	2.882	10.5	19.2
10 28	3 13.57	+28 20.9	1.940	2.888	7.2	19.0
11 7	3 4.77	+27 52.2	1.919	2.895	4.1	18.8
11 17	2 55.72	+27 10.7	1.926	2.902	3.8	18.8
11 27	2 47.53	+26 21.1	1.961	2.908	6.7	19.0
12 7	2 41.09	+25 29.5	2.024	2.915	9.9	19.2
12 17	2 36.95	+24 41.5	2.111	2.922	12.9	19.4

256753 2008 BF_{34} 11 10.2 236°.46 4°.9/13.5 17

10 8	3 29.99	+32 3.7	2.198	2.992	13.6	21.1
10 18	3 23.76	+32 32.7	2.110	2.985	10.9	20.9
10 28	3 15.24	+32 46.4	2.046	2.977	8.0	20.7
11 7	3 5.21	+32 42.6	2.007	2.970	5.6	20.5
11 17	2 54.71	+32 21.4	1.997	2.961	5.1	20.5
11 27	2 44.92	+31 46.1	2.016	2.953	7.2	20.6
12 7	2 36.89	+31 2.4	2.061	2.944	10.2	20.8
12 17	2 31.31	+30 16.7	2.131	2.936	13.0	20.9

386284 2008 RH_{39} 11 10.2 223°.40 5°.6/13.2 18

10 8	3 33.19	+31 29.7	1.844	2.647	15.5	21.3
10 18	3 26.51	+32 11.1	1.761	2.641	12.4	21.1
10 28	3 17.04	+32 35.8	1.700	2.636	9.1	20.9
11 7	3 5.68	+32 40.4	1.665	2.629	6.3	20.7
11 17	2 53.72	+32 24.5	1.657	2.623	5.9	20.7
11 27	2 42.64	+31 51.4	1.678	2.616	8.3	20.8
12 7	2 33.72	+31 8.3	1.724	2.609	11.7	21.0
12 17	2 27.77	+30 23.0	1.794	2.602	14.9	21.2

234713 2002 JT_{36} 11 10.2 153°.81 3°.6/ 7.7 18

10 8	3 27.53	+ 8 37.3	2.016	2.871	12.4	20.8
10 18	3 21.55	+ 7 51.5	1.954	2.877	9.1	20.6
10 28	3 13.72	+ 7 5.2	1.917	2.882	5.7	20.4
11 7	3 4.81	+ 6 22.8	1.908	2.888	3.6	20.2
11 17	2 55.73	+ 5 48.9	1.928	2.892	5.3	20.4
11 27	2 47.46	+ 5 27.3	1.976	2.897	8.5	20.6
12 7	2 40.80	+ 5 20.1	2.050	2.900	11.7	20.8
12 17	2 36.25	+ 5 27.8	2.147	2.904	14.5	21.0

221405 2005 YW_{91} 11 10.2 58°.39 6°.2/ 6.5 18

10 8	3 26.48	+ 0 28.8	1.908	2.763	12.9	19.7
10 18	3 20.67	− 0 14.5	1.870	2.784	9.9	19.5
10 28	3 13.12	− 0 50.0	1.855	2.806	7.3	19.4
11 7	3 4.64	− 1 12.8	1.868	2.827	6.2	19.4
11 17	2 56.16	− 1 19.3	1.908	2.849	7.4	19.5
11 27	2 48.60	− 1 8.0	1.974	2.871	9.9	19.7
12 7	2 42.70	− 0 39.1	2.065	2.892	12.6	19.9
12 17	2 38.89	+ 0 5.1	2.178	2.914	14.9	20.1

220153 2002 TF_{206} 11 10.2 41°.76 4°.0/11.9 18

10 8	3 32.24	+25 14.6	1.263	2.112	18.6	19.5
10 18	3 26.24	+25 52.7	1.207	2.121	14.3	19.2
10 28	3 16.97	+26 14.3	1.172	2.132	9.4	19.0
11 7	3 5.66	+26 17.5	1.161	2.142	4.9	18.8
11 17	2 53.96	+26 3.4	1.175	2.154	5.0	18.8
11 27	2 43.69	+25 37.8	1.214	2.165	9.3	19.1
12 7	2 36.23	+25 8.7	1.277	2.178	13.8	19.4
12 17	2 32.30	+24 43.6	1.361	2.190	17.7	19.7

243744 2000 QT_{64} 11 10.2 19°.77 4°.7/ 8.4 18

10 8	3 28.26	+ 9 5.3	1.034	1.921	18.7	19.0
10 18	3 23.39	+ 8 35.1	0.986	1.926	13.8	18.8
10 28	3 15.30	+ 8 5.3	0.959	1.931	8.6	18.5
11 7	3 5.24	+ 7 42.5	0.953	1.938	4.8	18.3
11 17	2 54.89	+ 7 32.7	0.971	1.945	7.2	18.5
11 27	2 46.03	+ 7 40.5	1.013	1.953	12.2	18.8
12 7	2 39.96	+ 8 7.5	1.075	1.963	17.0	19.1
12 17	2 37.34	+ 8 52.3	1.156	1.973	20.9	19.4

255556 2006 KE_4 11 10.2 118°.82 0°.9/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.85	+22 15.0	1.503	2.348	16.3	20.7
10 18	3 25.27	+21 38.0	1.445	2.362	12.1	20.5
10 28	3 16.08	+20 46.1	1.409	2.376	7.3	20.3
11 7	3 5.40	+19 42.3	1.400	2.389	2.1	20.0
11 17	2 54.59	+18 32.4	1.418	2.401	3.4	20.1
11 27	2 45.07	+17 24.4	1.465	2.413	8.3	20.4
12 7	2 37.91	+16 25.8	1.537	2.424	12.7	20.7
12 17	2 33.68	+15 41.6	1.631	2.435	16.4	21.0

369531 2010 XU_{13} 11 10.2 291°.14 3°.5/12.0 18

10 8	3 29.79	+26 27.5	1.350	2.195	17.8	20.8
10 18	3 24.51	+26 27.4	1.275	2.187	13.8	20.5
10 28	3 16.05	+26 7.8	1.220	2.179	9.1	20.2
11 7	3 5.47	+25 28.2	1.189	2.172	4.5	20.0
11 17	2 54.29	+24 31.7	1.183	2.164	4.5	19.9
11 27	2 44.27	+23 26.0	1.204	2.157	9.2	20.2
12 7	2 36.83	+22 20.9	1.249	2.149	14.0	20.4
12 17	2 32.79	+21 25.2	1.314	2.142	18.2	20.7

217573 2007 VE_{193} 11 10.2 16°.00 1°.8/ 9.1 18

10 8	3 26.08	+14 7.1	1.635	2.499	14.3	20.3
10 18	3 20.96	+13 40.2	1.572	2.501	10.4	20.0
10 28	3 13.57	+13 8.1	1.532	2.503	6.1	19.8
11 7	3 4.81	+12 34.4	1.518	2.506	2.1	19.5
11 17	2 55.78	+12 3.7	1.531	2.509	4.2	19.7
11 27	2 47.69	+11 40.7	1.572	2.513	8.5	20.0
12 7	2 41.51	+11 29.1	1.637	2.517	12.5	20.2
12 17	2 37.84	+11 30.8	1.724	2.521	15.9	20.5

431745 2008 GY_4 11 10.2 302°.68 4°.3/ 7.9 18

10 8	3 27.88	+ 9 57.9	1.364	2.237	16.0	21.3
10 18	3 22.67	+ 9 3.8	1.300	2.232	11.8	21.0
10 28	3 14.75	+ 8 6.7	1.257	2.227	7.4	20.8
11 7	3 5.12	+ 7 13.1	1.239	2.222	4.4	20.6
11 17	2 55.10	+ 6 30.0	1.248	2.217	6.7	20.7
11 27	2 46.15	+ 6 3.9	1.282	2.213	11.1	21.0
12 7	2 39.44	+ 5 58.0	1.338	2.208	15.5	21.2
12 17	2 35.67	+ 6 12.8	1.414	2.204	19.2	21.4

412835 2014 PP_{48} 11 10.2 65°.56 2°.9/12.2 18

10 8	3 27.37	+26 24.3	2.081	2.904	13.2	20.9
10 18	3 21.61	+26 32.7	2.015	2.914	10.1	20.7
10 28	3 13.84	+26 28.3	1.972	2.925	6.7	20.5
11 7	3 4.86	+26 11.1	1.955	2.935	3.6	20.3
11 17	2 55.67	+25 43.1	1.968	2.946	3.5	20.4
11 27	2 47.33	+25 8.2	2.009	2.956	6.5	20.6
12 7	2 40.69	+24 31.8	2.078	2.967	9.8	20.8
12 17	2 36.33	+23 58.6	2.170	2.978	12.7	21.0

211531 2003 QV_{103} 11 10.2 97°.26 0°.4/10.0 18 R

10 8	3 34.41	+16 31.2	1.416	2.271	16.6	19.5
10 18	3 27.22	+16 33.6	1.364	2.288	12.2	19.3
10 28	3 17.27	+16 28.7	1.334	2.304	7.1	19.1
11 7	3 5.70	+16 18.3	1.330	2.320	1.7	18.8
11 17	2 53.97	+16 5.6	1.354	2.336	3.8	19.0
11 27	2 43.59	+15 55.2	1.405	2.351	8.9	19.3
12 7	2 35.70	+15 51.5	1.481	2.366	13.3	19.6
12 17	2 30.91	+15 57.4	1.578	2.380	16.9	19.9

492961 2014 SW_{99} 11 10.2 339°.80 1°.6/11.2 17

10 8	3 25.07	+22 30.6	1.990	2.831	13.1	21.5
10 18	3 20.08	+22 29.4	1.912	2.825	9.8	21.3
10 28	3 13.04	+22 17.7	1.857	2.820	6.1	21.1
11 7	3 4.69	+21 56.2	1.829	2.816	2.4	20.8
11 17	2 56.01	+21 27.5	1.829	2.811	2.9	20.9
11 27	2 48.05	+20 55.5	1.858	2.808	6.8	21.1
12 7	2 41.74	+20 25.2	1.913	2.804	10.4	21.3
12 17	2 37.68	+20 0.9	1.992	2.801	13.6	21.5

113102 2002 RR_{76} 11 10.2 14°.89 1°.2/10.8 18

10 8	3 26.60	+20 44.9	1.435	2.294	16.1	19.5
10 18	3 21.70	+20 44.1	1.373	2.298	12.0	19.2
10 28	3 14.16	+20 31.6	1.334	2.302	7.3	19.0
11 7	3 4.98	+20 8.7	1.319	2.307	2.3	18.7
11 17	2 55.47	+19 39.1	1.330	2.313	3.5	18.8
11 27	2 47.06	+19 8.4	1.367	2.319	8.4	19.1
12 7	2 40.89	+18 42.5	1.429	2.327	12.8	19.4
12 17	2 37.62	+18 26.0	1.513	2.335	16.6	19.6

74937 1999 TO_{172} 11 10.2 216°.88 2°.4/11.7 18

10 8	3 30.55	+25 30.5	1.700	2.532	15.3	20.0
10 18	3 24.45	+25 15.1	1.620	2.527	11.7	19.8
10 28	3 15.75	+24 43.3	1.562	2.521	7.5	19.5
11 7	3 5.38	+23 55.7	1.530	2.514	3.4	19.3
11 17	2 54.59	+22 55.8	1.526	2.507	3.6	19.3
11 27	2 44.77	+21 50.1	1.551	2.500	7.9	19.5
12 7	2 37.06	+20 46.7	1.602	2.492	12.1	19.7
12 17	2 32.18	+19 52.2	1.675	2.484	15.8	20.0

215878 2005 EM_{230} 11 10.2 83°.06 3°.0/ 8.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.18	+12 28.3	1.358	2.224	16.5	20.3
10 18	3 24.77	+11 43.6	1.313	2.243	12.0	20.1
10 28	3 15.77	+10 54.9	1.290	2.261	7.1	19.8
11 7	3 5.34	+10 7.6	1.293	2.279	3.2	19.7
11 17	2 54.87	+ 9 27.9	1.323	2.297	5.4	19.9
11 27	2 45.77	+ 9 1.3	1.379	2.315	10.0	20.2
12 7	2 39.06	+ 8 51.1	1.459	2.333	14.2	20.5
12 17	2 35.27	+ 8 57.9	1.559	2.350	17.6	20.7

225055 2007 GE_{73} 11 10.2 165°.65 3°.1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.32	+ 8 27.6	2.720	3.570	9.7	21.7
10 18	3 18.13	+ 7 31.5	2.654	3.574	7.1	21.5
10 28	3 11.61	+ 6 34.7	2.614	3.578	4.5	21.4
11 7	3 4.33	+ 5 41.1	2.604	3.581	3.1	21.3
11 17	2 56.92	+ 4 54.3	2.624	3.584	4.4	21.4
11 27	2 50.07	+ 4 17.8	2.673	3.586	6.9	21.5
12 7	2 44.36	+ 3 53.6	2.750	3.588	9.5	21.7
12 17	2 40.20	+ 3 42.7	2.850	3.590	11.6	21.9

434617 2005 UG_{484} 11 10.2 39°.64 0°.5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.24	+14 39.2	1.313	2.176	17.1	20.2
10 18	3 26.69	+15 10.0	1.257	2.185	12.6	19.9
10 28	3 17.15	+15 37.1	1.223	2.194	7.4	19.7
11 7	3 5.73	+16 0.7	1.214	2.203	1.8	19.4
11 17	2 53.97	+16 22.2	1.231	2.213	4.0	19.5
11 27	2 43.50	+16 44.1	1.275	2.224	9.3	19.9
12 7	2 35.62	+17 9.6	1.344	2.234	14.0	20.2
12 17	2 31.01	+17 41.1	1.433	2.246	17.8	20.5

302678 2002 SO_{74} 11 10.2 18°.67 1°.5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.37	+21 41.5	1.748	2.591	14.5	21.2
10 18	3 22.69	+21 46.6	1.677	2.592	10.8	21.0
10 28	3 14.65	+21 40.9	1.629	2.593	6.7	20.7
11 7	3 5.12	+21 25.1	1.607	2.595	2.4	20.5
11 17	2 55.24	+21 1.6	1.614	2.596	3.2	20.5
11 27	2 46.27	+20 34.9	1.648	2.598	7.5	20.8
12 7	2 39.25	+20 10.2	1.709	2.599	11.5	21.0
12 17	2 34.82	+19 52.1	1.792	2.601	14.9	21.3

431203 2006 SZ_{150} 11 10.2 253°.76 3°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.54	+24 58.5	1.521	2.358	16.6	21.3
10 18	3 26.32	+25 25.4	1.443	2.351	12.8	21.0
10 28	3 17.07	+25 38.2	1.386	2.344	8.4	20.7
11 7	3 5.77	+25 35.3	1.354	2.337	4.3	20.5
11 17	2 53.81	+25 17.2	1.350	2.329	4.4	20.5
11 27	2 42.86	+24 48.8	1.372	2.321	8.7	20.7
12 7	2 34.29	+24 17.2	1.420	2.314	13.1	21.0
12 17	2 28.95	+23 49.3	1.489	2.306	17.0	21.2

287205 2002 SP_{43} 11 10.2 66°.53 0°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.65	+17 26.7	1.318	2.177	17.3	20.0
10 18	3 26.79	+17 37.4	1.271	2.196	12.7	19.8
10 28	3 17.07	+17 39.7	1.246	2.216	7.5	19.5
11 7	3 5.69	+17 35.0	1.246	2.236	1.8	19.3
11 17	2 54.20	+17 26.2	1.273	2.256	3.8	19.4
11 27	2 44.16	+17 18.0	1.327	2.276	9.0	19.8
12 7	2 36.74	+17 15.1	1.405	2.296	13.5	20.1
12 17	2 32.52	+17 21.0	1.504	2.315	17.2	20.4

408079 2012 HY_{31} 11 10.2 276°.18 4°.7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 22.93	+ 4 48.1	2.268	3.125	11.1	20.8
10 18	3 18.12	+ 3 46.8	2.200	3.121	8.3	20.7
10 28	3 11.73	+ 2 47.3	2.159	3.117	5.8	20.5
11 7	3 4.39	+ 1 54.4	2.145	3.113	4.7	20.4
11 17	2 56.85	+ 1 12.9	2.160	3.109	6.1	20.5
11 27	2 49.94	+ 0 46.4	2.203	3.106	8.7	20.7
12 7	2 44.33	+ 0 36.6	2.271	3.102	11.4	20.8
12 17	2 40.51	+ 0 43.5	2.361	3.098	13.8	21.0

315964 2008 WH_{17} 11 10.2 94°.14 0°.6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 17.57	+15 10.7	4.346	5.185	6.5	21.1
10 18	3 13.63	+14 53.0	4.271	5.188	4.7	20.9
10 28	3 8.89	+14 32.8	4.223	5.191	2.7	20.8
11 7	3 3.68	+14 11.5	4.205	5.194	0.8	20.6
11 17	2 58.37	+13 50.6	4.219	5.197	1.7	20.7
11 27	2 53.37	+13 31.8	4.263	5.200	3.8	20.9
12 7	2 49.02	+13 16.7	4.336	5.203	5.6	21.0
12 17	2 45.63	+13 6.4	4.436	5.206	7.3	21.1

4127 Kyogoku 11 10.2 28°.27 1°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.52	+15 36.6	1.912	2.767	12.9	17.0
10 18	3 20.31	+15 6.9	1.844	2.769	9.4	16.8
10 28	3 13.13	+14 31.0	1.800	2.770	5.5	16.5
11 7	3 4.75	+13 52.1	1.783	2.772	1.6	16.3
11 17	2 56.14	+13 14.3	1.795	2.774	3.5	16.4
11 27	2 48.34	+12 42.1	1.835	2.776	7.5	16.7
12 7	2 42.18	+12 19.4	1.902	2.779	11.2	16.9
12 17	2 38.25	+12 8.7	1.991	2.781	14.3	17.1

159147 2004 XH_{73} 11 10.2 11°.12 1°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.67	+21 39.0	1.886	2.732	13.5	19.5
10 18	3 19.80	+21 23.2	1.816	2.734	10.0	19.3
10 28	3 12.87	+20 56.4	1.770	2.736	6.1	19.1
11 7	3 4.70	+20 20.5	1.750	2.738	2.0	18.8
11 17	2 56.26	+19 38.9	1.758	2.741	2.9	18.9
11 27	2 48.65	+18 56.5	1.795	2.744	6.9	19.2
12 7	2 42.76	+18 18.7	1.858	2.748	10.7	19.4
12 17	2 39.15	+17 49.4	1.943	2.752	13.9	19.6

43718 2208 T_{-3} 11 10.2 113°.62 3°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.10	+26 59.7	2.286	3.100	12.5	19.5
10 18	3 22.10	+27 18.2	2.211	3.105	9.6	19.3
10 28	3 14.16	+27 24.8	2.160	3.109	6.5	19.1
11 7	3 5.01	+27 19.1	2.136	3.113	3.7	19.0
11 17	2 55.58	+27 2.0	2.142	3.117	3.6	19.0
11 27	2 46.86	+26 36.9	2.177	3.121	6.3	19.1
12 7	2 39.73	+26 8.2	2.239	3.125	9.3	19.3
12 17	2 34.75	+25 40.7	2.326	3.129	12.1	19.5

59944 1999 RJ_{199} 11 10.2 45°.80 5°.1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.55	+32 2.6	1.979	2.782	14.5	18.5
10 18	3 22.77	+32 28.1	1.909	2.789	11.6	18.3
10 28	3 14.68	+32 36.6	1.862	2.796	8.5	18.2
11 7	3 5.15	+32 26.3	1.840	2.804	5.8	18.0
11 17	2 55.32	+31 58.3	1.846	2.812	5.3	18.0
11 27	2 46.40	+31 16.7	1.879	2.820	7.4	18.2
12 7	2 39.40	+30 28.0	1.939	2.828	10.4	18.4
12 17	2 34.96	+29 39.0	2.023	2.836	13.3	18.6

5722 Johnscherrer 11 10.2 121°.33 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.64	+ 8 45.3	1.530	2.391	15.2	17.6
10 18	3 24.94	+ 7 54.6	1.479	2.405	11.2	17.4
10 28	3 15.86	+ 7 3.7	1.452	2.418	7.0	17.1
11 7	3 5.41	+ 6 18.4	1.451	2.431	4.3	17.0
11 17	2 54.87	+ 5 44.2	1.477	2.444	6.3	17.2
11 27	2 45.51	+ 5 25.8	1.531	2.456	10.2	17.4
12 7	2 38.33	+ 5 25.3	1.609	2.467	14.0	17.7
12 17	2 33.86	+ 5 42.4	1.708	2.478	17.1	17.9

171202 2005 JS_{55} 11 10.2 102°.14 0°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.32	+15 36.1	2.745	3.582	10.0	20.2
10 18	3 20.34	+15 42.2	2.678	3.594	7.3	20.0
10 28	3 12.94	+15 44.7	2.638	3.605	4.2	19.9
11 7	3 4.70	+15 44.9	2.627	3.616	1.0	19.6
11 17	2 56.30	+15 44.3	2.647	3.627	2.3	19.8
11 27	2 48.49	+15 44.8	2.698	3.638	5.4	20.0
12 7	2 41.90	+15 48.5	2.777	3.649	8.2	20.2
12 17	2 36.96	+15 57.0	2.882	3.660	10.6	20.4

97608 2000 EW_{82} 11 10.2 290°.10 0°.7/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.83	+15 27.0	2.229	3.076	11.6	19.1
10 18	3 20.45	+15 21.7	2.143	3.064	8.5	18.9
10 28	3 13.23	+15 12.0	2.082	3.051	5.0	18.6
11 7	3 4.81	+14 59.6	2.049	3.038	1.3	18.4
11 17	2 56.02	+14 46.7	2.045	3.025	3.0	18.5
11 27	2 47.81	+14 36.6	2.071	3.013	6.7	18.7
12 7	2 41.01	+14 32.0	2.124	3.000	10.2	18.9
12 17	2 36.21	+14 35.3	2.200	2.988	13.2	19.1

517451 2014 OK_{228} 11 10.2 80°.76 2°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.00	+27 19.9	2.309	3.122	12.4	21.5
10 18	3 21.77	+27 12.4	2.254	3.148	9.5	21.4
10 28	3 13.80	+26 52.1	2.223	3.174	6.2	21.2
11 7	3 4.90	+26 19.8	2.221	3.200	3.3	21.1
11 17	2 55.96	+25 37.9	2.248	3.225	3.1	21.1
11 27	2 47.90	+24 50.9	2.304	3.250	5.9	21.3
12 7	2 41.45	+24 3.7	2.389	3.275	8.8	21.6
12 17	2 37.07	+23 21.0	2.499	3.300	11.4	21.8

477836 2011 FF_{7} 11 10.2 260°.37 1°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.67	+22 18.5	1.634	2.476	15.4	21.7
10 18	3 24.75	+22 22.5	1.549	2.464	11.6	21.4
10 28	3 16.09	+22 14.2	1.487	2.451	7.3	21.1
11 7	3 5.56	+21 53.8	1.450	2.437	2.8	20.8
11 17	2 54.42	+21 23.4	1.441	2.423	3.5	20.9
11 27	2 44.13	+20 48.2	1.460	2.410	8.2	21.1
12 7	2 35.96	+20 14.7	1.505	2.395	12.7	21.3
12 17	2 30.70	+19 48.5	1.571	2.381	16.6	21.6

84233 2002 SO_{23} 11 10.2 309°.28 1°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.82	+20 10.4	1.383	2.239	16.8	19.7
10 18	3 25.19	+20 30.3	1.308	2.230	12.7	19.5
10 28	3 16.48	+20 40.1	1.254	2.221	7.8	19.2
11 7	3 5.67	+20 39.5	1.225	2.213	2.6	18.8
11 17	2 54.20	+20 30.3	1.222	2.205	3.8	18.9
11 27	2 43.74	+20 17.0	1.246	2.197	9.1	19.2
12 7	2 35.72	+20 5.4	1.293	2.189	14.0	19.5
12 17	2 30.99	+20 0.9	1.362	2.182	18.1	19.7

473691 2015 XY_{382} 11 10.2 304°.77 6°.7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.86	+39 10.2	2.161	2.927	14.6	20.3
10 18	3 21.68	+39 18.1	2.065	2.912	12.3	20.1
10 28	3 14.14	+39 4.2	1.991	2.896	9.8	19.9
11 7	3 5.06	+38 26.1	1.940	2.881	7.5	19.8
11 17	2 55.53	+37 24.2	1.916	2.866	6.7	19.7
11 27	2 46.82	+36 3.0	1.920	2.851	8.0	19.8
12 7	2 39.97	+34 30.1	1.951	2.836	10.5	19.9
12 17	2 35.69	+32 54.3	2.006	2.822	13.3	20.0

193444 2000 WL_{135} 11 10.2 27°.64 2°.7/11.2 18

10 8	3 30.49	+21 18.5	1.133	2.000	19.0	17.7
10 18	3 25.00	+22 2.1	1.089	2.015	14.2	17.5
10 28	3 16.26	+22 32.7	1.065	2.032	8.9	17.3
11 7	3 5.57	+22 49.2	1.064	2.051	3.7	17.0
11 17	2 54.63	+22 53.1	1.088	2.070	4.3	17.1
11 27	2 45.25	+22 49.2	1.136	2.090	9.4	17.5
12 7	2 38.74	+22 44.0	1.208	2.112	14.1	17.8
12 17	2 35.73	+22 43.1	1.299	2.134	18.0	18.1

393744 2005 CB_{71} 11 10.2 229°.97 1°.4/11.1 18

10 8	3 28.74	+21 59.3	1.950	2.786	13.5	21.8
10 18	3 22.84	+21 55.9	1.868	2.780	10.1	21.5
10 28	3 14.73	+21 41.8	1.811	2.774	6.2	21.3
11 7	3 5.20	+21 17.9	1.781	2.768	2.3	21.0
11 17	2 55.28	+20 46.5	1.779	2.761	3.0	21.1
11 27	2 46.14	+20 12.1	1.807	2.755	7.1	21.3
12 7	2 38.75	+19 39.9	1.861	2.748	10.9	21.5
12 17	2 33.78	+19 14.5	1.939	2.740	14.2	21.7

389072 2008 WN_{79} 11 10.2 242°.68 2°.6/ 8.6 18

10 8	3 27.23	+12 22.6	1.793	2.651	13.5	21.5
10 18	3 21.73	+11 42.5	1.719	2.646	9.9	21.2
10 28	3 14.06	+10 58.1	1.670	2.640	5.9	21.0
11 7	3 5.03	+10 13.5	1.648	2.634	2.7	20.8
11 17	2 55.67	+ 9 33.7	1.654	2.628	4.7	20.9
11 27	2 47.13	+ 9 3.7	1.688	2.622	8.7	21.1
12 7	2 40.35	+ 8 47.0	1.747	2.615	12.5	21.3
12 17	2 35.96	+ 8 45.5	1.828	2.609	15.8	21.6

137495 1999 UH_{53} 11 10.2 343°.85 5°.9/12.9 18

10 8	3 26.61	+28 55.5	1.116	1.971	20.1	19.3
10 18	3 22.82	+29 28.1	1.047	1.961	15.9	19.0
10 28	3 15.40	+29 38.1	0.996	1.952	11.2	18.7
11 7	3 5.46	+29 22.5	0.967	1.944	6.9	18.5
11 17	2 54.73	+28 42.1	0.961	1.938	6.4	18.4
11 27	2 45.30	+27 44.2	0.978	1.932	10.4	18.6
12 7	2 38.84	+26 40.4	1.016	1.928	15.3	18.9
12 17	2 36.27	+25 41.7	1.074	1.925	19.8	19.2

239650 2008 WT_{70} 11 10.2 339°.68 0°.3/10.3 18

10 8	3 26.93	+19 6.8	1.491	2.351	15.6	20.5
10 18	3 21.98	+18 53.5	1.420	2.346	11.6	20.2
10 28	3 14.41	+18 29.6	1.371	2.341	6.9	19.9
11 7	3 5.14	+17 57.2	1.347	2.337	1.8	19.6
11 17	2 55.45	+17 20.4	1.350	2.333	3.5	19.7
11 27	2 46.74	+16 45.2	1.380	2.329	8.6	20.0
12 7	2 40.17	+16 17.4	1.434	2.326	13.1	20.3
12 17	2 36.45	+16 1.3	1.509	2.324	16.9	20.5

516202 2016 SK_{38} 11 10.2 38°.36 0°.3/10.3 18

10 8	3 28.29	+19 30.8	1.202	2.071	17.9	20.6
10 18	3 23.09	+19 11.9	1.157	2.087	13.2	20.4
10 28	3 15.00	+18 40.4	1.133	2.104	7.8	20.1
11 7	3 5.26	+17 59.9	1.132	2.122	2.0	19.8
11 17	2 55.39	+17 15.9	1.157	2.140	3.8	20.0
11 27	2 46.99	+16 35.8	1.207	2.159	9.2	20.4
12 7	2 41.18	+16 5.8	1.281	2.179	13.9	20.7
12 17	2 38.51	+15 49.8	1.374	2.199	17.8	21.0

460286 2014 QP_{356} 11 10.2 215°.53 6°.3/ 4.2 18

10 8	3 22.82	− 1 28.2	2.487	3.334	10.6	21.2
10 18	3 17.93	− 2 48.5	2.424	3.330	8.4	21.0
10 28	3 11.60	− 4 3.1	2.388	3.326	6.7	20.9
11 7	3 4.41	− 5 6.7	2.380	3.321	6.3	20.9
11 17	2 57.05	− 5 54.4	2.400	3.317	7.6	20.9
11 27	2 50.25	− 6 23.0	2.447	3.312	9.6	21.1
12 7	2 44.65	− 6 31.8	2.519	3.306	11.8	21.2
12 17	2 40.70	− 6 21.5	2.611	3.301	13.7	21.4

303180 2004 FU_{53} 11 10.2 6°.22 1°.7/11.1 17

10 8	3 28.56	+21 55.2	1.828	2.668	14.1	21.1
10 18	3 22.80	+22 4.4	1.755	2.668	10.6	20.9
10 28	3 14.74	+22 3.3	1.705	2.668	6.6	20.7
11 7	3 5.22	+21 52.1	1.682	2.668	2.5	20.4
11 17	2 55.34	+21 33.1	1.687	2.669	3.1	20.5
11 27	2 46.32	+21 10.1	1.720	2.669	7.2	20.7
12 7	2 39.17	+20 48.3	1.780	2.670	11.1	21.0
12 17	2 34.54	+20 31.9	1.863	2.671	14.5	21.2

43260 2000 CV_{116} 11 10.2 53°.79 4°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.71	+ 4 16.9	2.159	3.015	11.6	18.2
10 18	3 19.43	+ 3 40.3	2.101	3.021	8.7	18.0
10 28	3 12.51	+ 3 7.2	2.069	3.028	6.0	17.9
11 7	3 4.64	+ 2 41.8	2.064	3.034	4.6	17.8
11 17	2 56.62	+ 2 27.5	2.087	3.041	5.9	17.9
11 27	2 49.31	+ 2 27.0	2.138	3.048	8.6	18.1
12 7	2 43.43	+ 2 41.0	2.215	3.055	11.4	18.3
12 17	2 39.44	+ 3 9.1	2.313	3.062	13.8	18.4

315178 2007 HF_{64} 11 10.2 267°.73 1°.5/ 9.0 17

10 8	3 24.67	+14 31.4	2.299	3.149	11.2	21.4
10 18	3 19.56	+13 55.3	2.210	3.132	8.2	21.2
10 28	3 12.70	+13 13.8	2.146	3.116	4.8	20.9
11 7	3 4.71	+12 29.8	2.111	3.099	1.7	20.7
11 17	2 56.40	+11 47.1	2.105	3.081	3.4	20.8
11 27	2 48.64	+11 9.9	2.128	3.064	7.0	21.0
12 7	2 42.21	+10 42.0	2.179	3.046	10.4	21.2
12 17	2 37.68	+10 25.6	2.252	3.029	13.3	21.3

426385 2013 PF_{20} 11 10.2 43°.14 2°.8/ 8.9 17

10 8	3 29.46	+13 37.8	1.053	1.935	18.9	20.2
10 18	3 24.07	+13 0.9	1.015	1.953	13.7	20.0
10 28	3 15.60	+12 18.3	0.997	1.971	8.0	19.7
11 7	3 5.40	+11 36.0	1.002	1.990	3.0	19.5
11 17	2 55.17	+11 0.9	1.031	2.010	5.6	19.7
11 27	2 46.57	+10 39.3	1.085	2.030	10.9	20.1
12 7	2 40.78	+10 34.9	1.160	2.051	15.7	20.4
12 17	2 38.32	+10 48.3	1.254	2.072	19.5	20.8

472090 2013 YG_{144} 11 10.2 185°.04 3°.8/12.4 18

10 8	3 31.53	+27 34.9	1.726	2.549	15.5	21.8
10 18	3 25.23	+27 51.2	1.651	2.549	12.1	21.5
10 28	3 16.28	+27 51.6	1.598	2.549	8.2	21.3
11 7	3 5.63	+27 34.8	1.571	2.549	4.6	21.1
11 17	2 54.54	+27 2.5	1.571	2.548	4.4	21.1
11 27	2 44.44	+26 19.5	1.600	2.547	7.8	21.3
12 7	2 36.51	+25 33.0	1.655	2.546	11.7	21.5
12 17	2 31.44	+24 50.0	1.732	2.545	15.2	21.8

27778 1992 DF_6 11 10.2 316°.74 2°.7/ 8.9 18 R

10 8	3 26.80	+12 59.6	1.327	2.202	16.3	17.6
10 18	3 22.20	+12 29.6	1.252	2.186	12.0	17.3
10 28	3 14.71	+11 53.8	1.198	2.171	7.2	17.0
11 7	3 5.28	+11 16.9	1.169	2.156	2.9	16.7
11 17	2 55.23	+10 44.6	1.165	2.142	5.4	16.8
11 27	2 46.13	+10 23.1	1.186	2.129	10.5	17.1
12 7	2 39.29	+10 17.2	1.230	2.116	15.4	17.3
12 17	2 35.55	+10 28.9	1.294	2.104	19.5	17.6

471606 2012 SR_{27} 11 10.2 34°.13 3°.9/12.1 18

10 8	3 30.79	+25 49.9	1.395	2.238	17.5	20.6
10 18	3 25.04	+26 19.5	1.334	2.244	13.4	20.4
10 28	3 16.29	+26 33.0	1.294	2.251	8.9	20.1
11 7	3 5.64	+26 28.9	1.278	2.259	4.8	19.9
11 17	2 54.58	+26 8.6	1.288	2.266	4.7	19.9
11 27	2 44.77	+25 37.7	1.324	2.275	8.7	20.2
12 7	2 37.49	+25 3.7	1.385	2.284	13.0	20.5
12 17	2 33.47	+24 33.9	1.467	2.293	16.8	20.7

13500 Viscardy 11 10.2 100°.99 3°.0/12.5 18

10 8	3 27.59	+27 52.1	1.980	2.800	13.9	17.2
10 18	3 21.92	+27 39.5	1.909	2.807	10.7	17.0
10 28	3 14.12	+27 11.2	1.861	2.813	7.1	16.8
11 7	3 5.06	+26 27.9	1.840	2.820	3.8	16.6
11 17	2 55.79	+25 32.6	1.847	2.826	3.6	16.6
11 27	2 47.43	+24 30.8	1.884	2.832	6.8	16.8
12 7	2 40.87	+23 29.2	1.947	2.838	10.2	17.1
12 17	2 36.70	+22 33.6	2.034	2.844	13.3	17.3

320205 2007 HX_{12} 11 10.2 184°.30 0°.1/10.3 17

10 8	3 27.81	+17 23.9	3.027	3.854	9.4	21.3
10 18	3 21.42	+17 30.3	2.944	3.854	6.9	21.1
10 28	3 13.61	+17 32.3	2.889	3.854	4.1	20.9
11 7	3 4.93	+17 30.8	2.864	3.853	1.0	20.7
11 17	2 56.03	+17 27.1	2.870	3.851	2.1	20.8
11 27	2 47.61	+17 23.0	2.908	3.850	5.1	21.0
12 7	2 40.31	+17 20.9	2.976	3.847	7.8	21.1
12 17	2 34.58	+17 22.7	3.070	3.844	10.1	21.3

159689 2002 MZ_2 11 10.2 80°.81 2°.1/ 8.4 18

10 8	3 24.07	+12 59.5	2.284	3.137	11.2	19.7
10 18	3 18.86	+12 8.3	2.230	3.154	8.1	19.5
10 28	3 12.12	+11 13.8	2.201	3.170	4.8	19.3
11 7	3 4.55	+10 19.6	2.200	3.186	2.2	19.2
11 17	2 56.91	+ 9 30.2	2.230	3.203	3.8	19.3
11 27	2 50.00	+ 8 49.4	2.288	3.219	6.9	19.6
12 7	2 44.48	+ 8 20.2	2.374	3.235	9.9	19.8
12 17	2 40.76	+ 8 4.0	2.483	3.251	12.4	20.0

489915 2008 PF_{15} 11 10.2 54°.25 1°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.77	+21 26.7	1.309	2.166	17.5	21.4
10 18	3 24.66	+21 12.4	1.267	2.190	12.9	21.2
10 28	3 15.81	+20 44.3	1.246	2.214	7.8	21.0
11 7	3 5.46	+20 4.9	1.250	2.239	2.4	20.7
11 17	2 55.11	+19 19.5	1.281	2.264	3.6	20.9
11 27	2 46.25	+18 35.1	1.338	2.289	8.6	21.2
12 7	2 39.93	+17 58.3	1.419	2.314	13.0	21.5
12 17	2 36.67	+17 33.6	1.521	2.340	16.7	21.8

224568 2005 WX_{208} 11 10.2 221°.52 0°.4/ 9.9 17

10 8	3 25.35	+17 15.1	2.562	3.401	10.5	21.8
10 18	3 19.87	+16 52.6	2.477	3.394	7.7	21.6
10 28	3 12.80	+16 24.1	2.418	3.386	4.5	21.4
11 7	3 4.75	+15 51.5	2.388	3.377	1.1	21.1
11 17	2 56.45	+15 17.6	2.388	3.369	2.6	21.2
11 27	2 48.69	+14 45.9	2.419	3.360	6.0	21.4
12 7	2 42.19	+14 19.7	2.477	3.350	9.1	21.6
12 17	2 37.44	+14 1.6	2.560	3.340	11.8	21.8

232593 2003 UU_4 11 10.2 13°.61 11°.4/ 5.2 18

10 8	3 25.06	−10 11.7	1.460	2.312	16.4	18.8
10 18	3 20.22	−11 0.5	1.425	2.320	13.9	18.7
10 28	3 13.14	−11 28.3	1.411	2.329	12.0	18.6
11 7	3 4.82	−11 28.2	1.418	2.340	11.5	18.6
11 17	2 56.43	−10 56.8	1.449	2.352	12.5	18.7
11 27	2 49.16	− 9 54.4	1.503	2.366	14.6	18.9
12 7	2 43.89	− 8 25.8	1.577	2.381	16.9	19.1
12 17	2 41.12	− 6 37.3	1.670	2.397	19.1	19.3

143252 2002 YG_{31} 11 10.2 241°.94 4°.0/13.1 18

10 8	3 28.07	+30 22.3	2.166	2.971	13.4	20.1
10 18	3 22.34	+30 25.9	2.079	2.964	10.6	19.9
10 28	3 14.45	+30 13.8	2.014	2.956	7.5	19.7
11 7	3 5.19	+29 45.3	1.976	2.948	4.7	19.5
11 17	2 55.54	+29 1.7	1.967	2.939	4.3	19.5
11 27	2 46.63	+28 7.4	1.986	2.931	6.8	19.6
12 7	2 39.42	+27 8.6	2.033	2.922	10.0	19.8
12 17	2 34.55	+26 11.8	2.104	2.913	13.0	20.0

44840 1999 TO_{284} 11 10.2 83°.20 4°.9/ 7.9 18

10 8	3 31.47	+ 7 24.2	1.398	2.264	16.1	19.0
10 18	3 24.94	+ 6 41.0	1.355	2.282	11.9	18.8
10 28	3 15.92	+ 5 59.9	1.334	2.300	7.6	18.6
11 7	3 5.51	+ 5 26.7	1.338	2.318	4.9	18.5
11 17	2 55.05	+ 5 6.6	1.370	2.335	6.8	18.6
11 27	2 45.90	+ 5 3.5	1.427	2.353	10.7	18.9
12 7	2 39.06	+ 5 18.4	1.508	2.370	14.5	19.2
12 17	2 35.06	+ 5 50.2	1.610	2.387	17.7	19.4

518885 2010 ET_{154} 11 10.2 74°.36 3°.8/13.1 17

10 8	3 27.54	+29 45.4	2.362	3.166	12.5	20.9
10 18	3 21.72	+30 6.7	2.287	3.171	9.8	20.7
10 28	3 13.99	+30 14.8	2.235	3.175	6.9	20.6
11 7	3 5.06	+30 8.8	2.211	3.180	4.4	20.4
11 17	2 55.85	+29 49.5	2.215	3.185	4.1	20.4
11 27	2 47.34	+29 20.1	2.248	3.190	6.3	20.6
12 7	2 40.40	+28 45.5	2.309	3.195	9.1	20.7
12 17	2 35.58	+28 10.5	2.395	3.200	11.7	20.9

78999 2614 P–L 11 10.2 43°.71 1°.6/ 9.3 18

10 8	3 26.70	+15 51.2	1.480	2.346	15.4	19.1
10 18	3 21.53	+15 11.1	1.428	2.358	11.2	18.9
10 28	3 13.97	+14 23.2	1.398	2.370	6.5	18.7
11 7	3 5.04	+13 32.4	1.394	2.383	2.0	18.4
11 17	2 55.98	+12 44.2	1.417	2.397	4.2	18.6
11 27	2 48.04	+12 4.7	1.467	2.410	8.8	18.9
12 7	2 42.21	+11 38.5	1.541	2.425	13.0	19.2
12 17	2 39.04	+11 27.8	1.637	2.439	16.4	19.5

68967 2002 RN_{95} 11 10.2 39°.64 1°.7/ 9.1 18

10 8	3 25.78	+15 34.7	1.678	2.539	14.1	18.6
10 18	3 20.70	+14 48.7	1.616	2.544	10.3	18.4
10 28	3 13.46	+13 55.2	1.577	2.549	6.0	18.2
11 7	3 4.93	+12 58.7	1.565	2.554	2.0	17.9
11 17	2 56.19	+12 4.9	1.581	2.559	4.1	18.1
11 27	2 48.39	+11 19.4	1.625	2.565	8.4	18.4
12 7	2 42.46	+10 47.0	1.693	2.571	12.3	18.6
12 17	2 38.96	+10 30.1	1.784	2.577	15.6	18.9

169729 2002 NQ_{37} 11 10.2 129°.80 4°.5/13.8 18

10 8	3 30.21	+32 50.3	2.103	2.897	14.1	20.3
10 18	3 23.78	+32 44.7	2.033	2.908	11.2	20.2
10 28	3 15.19	+32 20.5	1.985	2.919	8.1	20.0
11 7	3 5.34	+31 37.5	1.963	2.929	5.3	19.8
11 17	2 55.33	+30 37.9	1.970	2.939	4.7	19.8
11 27	2 46.29	+29 27.2	2.006	2.949	6.9	20.0
12 7	2 39.14	+28 12.8	2.070	2.958	9.9	20.2
12 17	2 34.44	+27 1.4	2.159	2.967	12.8	20.4

211921 2004 TQ_{86} 11 10.2 198°.84 0°.5/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.74	+19 45.9	1.368	2.224	17.0	21.7
10 18	3 25.72	+19 34.4	1.300	2.223	12.6	21.5
10 28	3 16.71	+19 10.6	1.254	2.222	7.6	21.2
11 7	3 5.78	+18 36.5	1.232	2.221	2.1	20.8
11 17	2 54.39	+17 56.4	1.237	2.220	3.8	20.9
11 27	2 44.18	+17 16.9	1.269	2.219	9.2	21.3
12 7	2 36.46	+16 44.8	1.325	2.217	14.0	21.5
12 17	2 31.97	+16 25.1	1.402	2.215	18.1	21.8

490871 2011 BS 11 10.2 343°.15 5°.6/ 6.6 18

10 8	3 24.49	+ 2 46.9	1.930	2.790	12.6	21.1
10 18	3 19.54	+ 2 2.8	1.866	2.786	9.6	20.9
10 28	3 12.71	+ 1 23.5	1.826	2.782	6.8	20.7
11 7	3 4.75	+ 0 53.9	1.812	2.779	5.6	20.7
11 17	2 56.54	+ 0 38.5	1.826	2.776	7.0	20.7
11 27	2 49.06	+ 0 40.3	1.867	2.773	9.9	20.9
12 7	2 43.13	+ 1 0.0	1.932	2.770	12.8	21.1
12 17	2 39.29	+ 1 36.4	2.018	2.768	15.5	21.3

227291 2005 SX_{195} 11 10.2 291°.14 1°.9/ 9.1 18

10 8	3 27.31	+15 20.8	1.493	2.358	15.3	21.0
10 18	3 22.40	+14 39.0	1.408	2.338	11.3	20.7
10 28	3 14.79	+13 47.7	1.346	2.317	6.7	20.4
11 7	3 5.33	+12 51.2	1.308	2.297	2.2	20.0
11 17	2 55.24	+11 55.5	1.298	2.276	4.7	20.2
11 27	2 45.97	+11 8.0	1.314	2.256	9.8	20.4
12 7	2 38.76	+10 34.7	1.354	2.235	14.5	20.6
12 17	2 34.44	+10 19.3	1.414	2.215	18.6	20.8

415597 2014 QK_{321} 11 10.2 347°.43 3°.3/ 7.5 18

10 8	3 22.93	+ 9 53.9	2.214	3.073	11.3	20.6
10 18	3 18.19	+ 8 52.2	2.146	3.072	8.2	20.4
10 28	3 11.84	+ 7 48.3	2.104	3.071	5.2	20.2
11 7	3 4.53	+ 6 46.9	2.090	3.071	3.3	20.1
11 17	2 57.04	+ 5 52.9	2.106	3.070	4.9	20.2
11 27	2 50.20	+ 5 10.7	2.149	3.070	7.9	20.4
12 7	2 44.72	+ 4 43.2	2.219	3.070	10.9	20.6
12 17	2 41.07	+ 4 31.3	2.311	3.069	13.5	20.7

521989 2015 WX_{20} 11 10.2 66°.59 5°.2/ 6.9 18

10 8	3 25.61	+ 2 30.2	2.114	2.968	11.9	21.0
10 18	3 20.13	+ 1 53.4	2.058	2.974	9.0	20.8
10 28	3 12.95	+ 1 21.6	2.026	2.981	6.4	20.7
11 7	3 4.80	+ 0 59.2	2.022	2.988	5.2	20.6
11 17	2 56.51	+ 0 49.7	2.046	2.995	6.4	20.7
11 27	2 48.97	+ 0 55.4	2.098	3.002	9.0	20.9
12 7	2 42.89	+ 1 16.7	2.175	3.009	11.8	21.1
12 17	2 38.75	+ 1 52.5	2.274	3.016	14.2	21.3

4406 Mahler 11 10.2 225°.84 0°.6/ 9.7 18

10 8	3 24.47	+16 27.2	2.640	3.482	10.2	18.4
10 18	3 19.19	+16 5.5	2.557	3.475	7.5	18.2
10 28	3 12.40	+15 38.5	2.500	3.468	4.3	18.0
11 7	3 4.68	+15 8.3	2.471	3.460	1.1	17.7
11 17	2 56.73	+14 37.5	2.473	3.453	2.6	17.8
11 27	2 49.30	+14 9.4	2.505	3.445	5.8	18.0
12 7	2 43.06	+13 47.0	2.565	3.437	8.9	18.2
12 17	2 38.50	+13 32.6	2.649	3.428	11.5	18.4

385650 2005 RW_{11} 11 10.2 33°.29 0°.4/10.4 18

10 8	3 28.02	+19 33.9	1.152	2.024	18.4	20.6
10 18	3 23.07	+19 17.4	1.105	2.037	13.5	20.3
10 28	3 15.10	+18 47.8	1.079	2.050	8.0	20.1
11 7	3 5.37	+18 8.6	1.076	2.065	2.1	19.8
11 17	2 55.45	+17 25.5	1.097	2.081	3.9	20.0
11 27	2 47.01	+16 45.8	1.144	2.097	9.5	20.3
12 7	2 41.23	+16 16.4	1.213	2.114	14.3	20.7
12 17	2 38.71	+16 1.2	1.303	2.131	18.3	21.0

353696 2011 UC_{347} 11 10.2 189°.07 2°.5/ 8.7 18

10 8	3 27.46	+11 39.5	1.867	2.724	13.1	20.8
10 18	3 21.80	+11 12.4	1.798	2.724	9.6	20.6
10 28	3 14.09	+10 42.5	1.754	2.723	5.7	20.4
11 7	3 5.12	+10 13.5	1.737	2.723	2.6	20.2
11 17	2 55.87	+ 9 49.4	1.749	2.723	4.4	20.3
11 27	2 47.44	+ 9 34.1	1.788	2.722	8.3	20.5
12 7	2 40.72	+ 9 30.2	1.854	2.722	11.9	20.7
12 17	2 36.28	+ 9 39.3	1.941	2.721	15.0	20.9

202258 2005 AA_{39} 11 10.2 193°.39 3°.2/ 7.9 18

10 8	3 27.86	+ 8 27.9	2.299	3.146	11.3	21.1
10 18	3 21.76	+ 7 53.9	2.225	3.144	8.3	20.9
10 28	3 13.94	+ 7 19.7	2.177	3.142	5.2	20.7
11 7	3 5.07	+ 6 48.7	2.159	3.139	3.2	20.6
11 17	2 55.97	+ 6 24.5	2.170	3.135	4.7	20.7
11 27	2 47.53	+ 6 10.3	2.210	3.131	7.7	20.9
12 7	2 40.49	+ 6 8.1	2.277	3.126	10.8	21.0
12 17	2 35.38	+ 6 18.6	2.368	3.120	13.4	21.2

211845 2004 FH_{82} 11 10.2 119°.43 0°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.02	+15 58.5	2.255	3.095	11.7	20.8
10 18	3 22.56	+15 50.8	2.194	3.111	8.6	20.7
10 28	3 14.36	+15 38.1	2.158	3.125	5.0	20.5
11 7	3 5.16	+15 22.5	2.150	3.140	1.2	20.2
11 17	2 55.83	+15 6.1	2.173	3.153	2.8	20.4
11 27	2 47.28	+14 52.3	2.226	3.167	6.4	20.6
12 7	2 40.26	+14 43.7	2.307	3.180	9.7	20.9
12 17	2 35.26	+14 42.7	2.412	3.192	12.4	21.1

145320 2005 LE_{16} 11 10.2 127°.14 0°.5/ 9.9 18

10 8	3 26.49	+17 59.5	2.040	2.886	12.6	20.9
10 18	3 20.94	+17 27.0	1.972	2.892	9.2	20.7
10 28	3 13.51	+16 46.6	1.928	2.897	5.4	20.5
11 7	3 4.97	+16 1.0	1.913	2.902	1.3	20.2
11 17	2 56.23	+15 14.2	1.927	2.908	3.0	20.3
11 27	2 48.30	+14 31.2	1.969	2.913	7.0	20.6
12 7	2 41.98	+13 56.1	2.039	2.917	10.5	20.8
12 17	2 37.79	+13 32.1	2.132	2.922	13.5	21.1

101532 1998 XS_{99} 11 10.2 15°.83 0°.6/10.4 18

10 8	3 27.71	+18 28.2	1.088	1.965	18.8	19.0
10 18	3 23.15	+18 37.3	1.036	1.970	13.9	18.7
10 28	3 15.33	+18 35.6	1.003	1.976	8.3	18.5
11 7	3 5.47	+18 24.8	0.993	1.983	2.2	18.1
11 17	2 55.22	+18 8.7	1.008	1.991	4.1	18.3
11 27	2 46.40	+17 53.3	1.046	2.001	9.9	18.6
12 7	2 40.37	+17 44.5	1.107	2.011	15.0	19.0
12 17	2 37.82	+17 46.6	1.186	2.023	19.2	19.3

511472 2014 KP_{97} 11 10.2 167°.61 2°.4/ 8.7 18

10 8	3 27.48	+11 25.9	2.003	2.856	12.5	21.5
10 18	3 21.69	+10 58.6	1.935	2.858	9.1	21.3
10 28	3 13.98	+10 28.9	1.891	2.860	5.5	21.1
11 7	3 5.10	+10 0.2	1.875	2.861	2.5	20.9
11 17	2 55.98	+ 9 36.3	1.888	2.862	4.3	21.0
11 27	2 47.64	+ 9 20.8	1.930	2.863	7.9	21.3
12 7	2 40.90	+ 9 16.2	1.999	2.863	11.3	21.5
12 17	2 36.31	+ 9 23.9	2.090	2.864	14.3	21.7

67578 2000 SO_{112} 11 10.2 344°.62 2°.6/ 8.9 18 R

10 8	3 25.40	+15 31.1	1.111	1.995	18.0	18.9
10 18	3 21.44	+14 32.9	1.049	1.988	13.3	18.6
10 28	3 14.35	+13 23.0	1.008	1.982	7.8	18.3
11 7	3 5.25	+12 8.3	0.989	1.978	2.8	18.0
11 17	2 55.68	+10 57.9	0.995	1.974	5.7	18.1
11 27	2 47.36	+10 1.6	1.024	1.970	11.3	18.4
12 7	2 41.64	+ 9 26.2	1.076	1.968	16.5	18.7
12 17	2 39.25	+ 9 14.4	1.145	1.967	20.8	19.0

214565 2006 QH_{13} 11 10.2 106°.74 5°.0/ 7.7 17

10 8	3 33.30	+ 6 15.2	1.587	2.443	15.0	21.2
10 18	3 25.99	+ 5 28.8	1.544	2.466	11.1	21.0
10 28	3 16.43	+ 4 45.4	1.526	2.488	7.2	20.8
11 7	3 5.67	+ 4 10.4	1.534	2.510	5.0	20.7
11 17	2 54.93	+ 3 48.7	1.570	2.531	6.7	20.9
11 27	2 45.44	+ 3 43.7	1.634	2.552	10.2	21.2
12 7	2 38.09	+ 3 56.1	1.722	2.571	13.7	21.4
12 17	2 33.39	+ 4 24.7	1.832	2.590	16.6	21.7

417868 2007 MX_{2} 11 10.2 313°.31 4°.4/14.0 17

10 8	3 25.66	+33 10.3	2.318	3.112	13.0	20.7
10 18	3 20.46	+33 6.8	2.234	3.108	10.4	20.5
10 28	3 13.31	+32 46.4	2.172	3.104	7.6	20.3
11 7	3 4.95	+32 8.6	2.136	3.100	5.1	20.1
11 17	2 56.31	+31 15.0	2.129	3.096	4.6	20.1
11 27	2 48.41	+30 10.0	2.150	3.092	6.5	20.2
12 7	2 42.10	+29 0.0	2.199	3.089	9.3	20.4
12 17	2 37.95	+27 51.2	2.273	3.085	12.0	20.6

82 Alkmene 11 10.2 295°.98 0°.7/10.6 18 R

10 8	3 27.22	+19 56.5	1.842	2.689	13.7	12.5
10 18	3 22.04	+19 50.7	1.747	2.666	10.3	12.3
10 28	3 14.49	+19 35.3	1.675	2.642	6.2	12.0
11 7	3 5.30	+19 11.5	1.630	2.619	1.8	11.7
11 17	2 55.51	+18 41.7	1.613	2.596	3.1	11.8
11 27	2 46.34	+18 10.5	1.624	2.572	7.7	12.0
12 7	2 38.90	+17 43.2	1.661	2.549	11.9	12.1
12 17	2 33.97	+17 24.2	1.721	2.526	15.6	12.3

71110 1999 XZ_{154} 11 10.2 272°.50 1°.6/11.5 18

10 8	3 27.09	+25 3.6	1.941	2.772	13.7	19.6
10 18	3 21.80	+24 24.3	1.844	2.752	10.5	19.4
10 28	3 14.26	+23 28.7	1.771	2.731	6.6	19.1
11 7	3 5.23	+22 18.2	1.725	2.711	2.6	18.8
11 17	2 55.75	+20 57.1	1.708	2.690	3.0	18.8
11 27	2 46.99	+19 32.1	1.720	2.669	7.2	19.0
12 7	2 39.97	+18 11.1	1.759	2.647	11.3	19.2
12 17	2 35.37	+17 0.8	1.822	2.625	14.9	19.4

419293 2009 WH_{34} 11 10.2 3°.03 0°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.68	+15 55.5	2.045	2.898	12.3	21.1
10 18	3 19.69	+15 37.8	1.974	2.897	9.0	20.9
10 28	3 12.84	+15 14.4	1.928	2.898	5.2	20.7
11 7	3 4.85	+14 47.9	1.909	2.898	1.4	20.4
11 17	2 56.61	+14 21.5	1.918	2.899	3.1	20.5
11 27	2 49.09	+13 59.1	1.957	2.900	7.0	20.8
12 7	2 43.09	+13 44.0	2.021	2.901	10.5	21.0
12 17	2 39.18	+13 38.5	2.109	2.902	13.5	21.2

18573 1997 WM_{23} 11 10.2 33°.63 1°.8/ 9.1 18

10 8	3 26.17	+13 55.0	1.750	2.610	13.7	18.3
10 18	3 20.95	+13 28.0	1.688	2.616	10.0	18.1
10 28	3 13.63	+12 56.3	1.650	2.621	5.8	17.8
11 7	3 5.05	+12 23.4	1.639	2.627	2.1	17.6
11 17	2 56.25	+11 53.6	1.655	2.633	4.0	17.8
11 27	2 48.34	+11 31.2	1.700	2.640	8.1	18.0
12 7	2 42.23	+11 19.7	1.769	2.647	11.9	18.3
12 17	2 38.46	+11 20.7	1.861	2.654	15.1	18.5

118558 2000 FF_{30} 11 10.2 152°.05 0°.1/10.3 18

10 8	3 31.04	+18 44.9	1.870	2.711	13.7	20.4
10 18	3 24.45	+18 30.3	1.802	2.718	10.1	20.2
10 28	3 15.67	+18 7.1	1.758	2.725	6.0	20.0
11 7	3 5.56	+17 37.1	1.742	2.732	1.5	19.7
11 17	2 55.21	+17 3.8	1.756	2.738	3.0	19.8
11 27	2 45.80	+16 31.8	1.798	2.743	7.4	20.1
12 7	2 38.25	+16 5.7	1.867	2.747	11.2	20.3
12 17	2 33.18	+15 49.1	1.960	2.752	14.5	20.6

210822 2001 NJ_{11} 11 10.2 64°.96 5°.4/ 6.9 18

10 8	3 26.92	+ 5 4.6	1.703	2.566	13.8	19.7
10 18	3 21.28	+ 4 1.8	1.663	2.587	10.3	19.5
10 28	3 13.68	+ 3 2.8	1.647	2.607	7.0	19.4
11 7	3 5.04	+ 2 13.8	1.657	2.628	5.4	19.3
11 17	2 56.38	+ 1 39.9	1.695	2.649	7.0	19.5
11 27	2 48.75	+ 1 24.5	1.759	2.670	10.1	19.7
12 7	2 42.94	+ 1 28.5	1.848	2.690	13.1	19.9
12 17	2 39.41	+ 1 50.5	1.957	2.711	15.8	20.2

20319 1998 GK_{1} 11 10.2 85°.20 4°.9/13.4 18

10 8	3 32.64	+31 1.1	1.749	2.557	15.9	17.2
10 18	3 25.87	+31 18.9	1.692	2.577	12.6	17.0
10 28	3 16.57	+31 17.8	1.657	2.597	8.9	16.9
11 7	3 5.79	+30 56.6	1.647	2.616	5.7	16.7
11 17	2 54.84	+30 17.3	1.665	2.635	5.1	16.7
11 27	2 45.11	+29 25.4	1.711	2.654	7.7	16.9
12 7	2 37.63	+28 28.8	1.783	2.673	11.1	17.2
12 17	2 33.00	+27 34.9	1.878	2.692	14.2	17.4

84540 2002 UC_{26} 11 10.2 316°.64 2°.9/ 8.6 18

10 8	3 26.62	+10 51.7	1.725	2.587	13.7	19.4
10 18	3 21.43	+10 23.4	1.653	2.580	10.1	19.2
10 28	3 14.01	+ 9 53.0	1.604	2.574	6.1	19.0
11 7	3 5.19	+ 9 24.3	1.582	2.567	3.0	18.8
11 17	2 56.00	+ 9 1.7	1.587	2.561	4.9	18.9
11 27	2 47.62	+ 8 49.4	1.620	2.554	8.9	19.1
12 7	2 41.02	+ 8 50.3	1.678	2.549	12.8	19.3
12 17	2 36.86	+ 9 5.4	1.757	2.543	16.1	19.5

302643 2002 RL_{191} 11 10.2 18°.83 8°.2/15.9 17

10 8	3 25.42	+37 9.2	1.221	2.042	20.8	19.7
10 18	3 21.60	+37 25.9	1.169	2.053	17.1	19.5
10 28	3 14.45	+37 10.7	1.135	2.065	13.1	19.3
11 7	3 5.30	+36 21.5	1.121	2.079	9.6	19.2
11 17	2 55.89	+35 1.6	1.131	2.094	8.3	19.1
11 27	2 48.06	+33 20.6	1.164	2.111	10.2	19.3
12 7	2 43.10	+31 32.5	1.221	2.129	13.6	19.6
12 17	2 41.60	+29 49.4	1.299	2.148	17.1	19.8

232169 2002 EE_{16} 11 10.2 158°.50 3°.0/12.4 18

10 8	3 30.33	+27 26.7	2.076	2.890	13.6	21.0
10 18	3 23.92	+27 24.8	2.002	2.896	10.5	20.8
10 28	3 15.37	+27 8.3	1.951	2.901	7.0	20.6
11 7	3 5.51	+26 37.6	1.927	2.906	3.7	20.4
11 17	2 55.39	+25 54.6	1.933	2.910	3.6	20.4
11 27	2 46.14	+25 4.3	1.967	2.914	6.7	20.6
12 7	2 38.69	+24 12.7	2.030	2.917	10.1	20.8
12 17	2 33.64	+23 25.4	2.117	2.920	13.1	21.0

241993 2002 NM_{39} 11 10.2 129°.65 3°.2/12.9 18

10 8	3 29.58	+29 32.2	2.105	2.912	13.6	21.0
10 18	3 23.25	+29 11.0	2.035	2.924	10.6	20.8
10 28	3 14.89	+28 33.2	1.990	2.936	7.2	20.7
11 7	3 5.37	+27 39.5	1.971	2.948	4.0	20.5
11 17	2 55.72	+26 33.3	1.982	2.959	3.6	20.5
11 27	2 47.01	+25 20.2	2.022	2.969	6.5	20.7
12 7	2 40.11	+24 7.3	2.091	2.979	9.8	20.9
12 17	2 35.55	+23 0.6	2.184	2.988	12.7	21.1

218429 2004 RG_{175} 11 10.2 322°.40 2°.0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 23.63	+15 3.8	1.964	2.822	12.5	19.8
10 18	3 18.98	+14 1.9	1.891	2.817	9.1	19.5
10 28	3 12.46	+12 52.5	1.842	2.812	5.3	19.3
11 7	3 4.79	+11 40.5	1.820	2.808	2.1	19.1
11 17	2 56.87	+10 31.4	1.828	2.803	4.1	19.2
11 27	2 49.69	+ 9 31.2	1.863	2.799	7.9	19.4
12 7	2 44.05	+ 8 44.5	1.925	2.795	11.5	19.7
12 17	2 40.51	+ 8 14.0	2.010	2.791	14.5	19.9

167285 2003 UP_{180} 11 10.2 97°.74 1°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.63	+13 22.5	1.796	2.646	13.8	19.8
10 18	3 24.90	+13 29.8	1.734	2.656	10.1	19.6
10 28	3 15.95	+13 34.2	1.696	2.665	5.9	19.3
11 7	3 5.65	+13 37.5	1.686	2.675	1.8	19.1
11 17	2 55.12	+13 41.8	1.705	2.685	3.6	19.2
11 27	2 45.53	+13 49.8	1.753	2.694	7.8	19.5
12 7	2 37.85	+14 3.9	1.827	2.703	11.6	19.8
12 17	2 32.68	+14 25.7	1.924	2.712	14.8	20.0

52929 1998 SY_{122} 11 10.2 11°.66 3°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.70	+24 1.3	1.239	2.094	18.5	18.4
10 18	3 25.37	+24 39.2	1.177	2.096	14.1	18.2
10 28	3 16.73	+25 2.3	1.136	2.098	9.2	17.9
11 7	3 5.91	+25 8.7	1.117	2.101	4.6	17.7
11 17	2 54.54	+24 59.4	1.124	2.104	4.7	17.7
11 27	2 44.46	+24 39.4	1.156	2.109	9.4	18.0
12 7	2 37.13	+24 16.6	1.211	2.114	14.1	18.2
12 17	2 33.34	+23 57.9	1.286	2.120	18.2	18.5

279101 2008 YZ_{42} 11 10.2 55°.24 1°.6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.42	+13 53.1	1.367	2.230	16.6	19.5
10 18	3 25.66	+13 45.4	1.331	2.258	12.0	19.3
10 28	3 16.37	+13 33.3	1.316	2.287	7.0	19.1
11 7	3 5.72	+13 19.8	1.328	2.316	2.1	18.9
11 17	2 55.14	+13 8.7	1.366	2.346	4.3	19.1
11 27	2 46.00	+13 4.1	1.431	2.375	9.0	19.5
12 7	2 39.28	+13 8.9	1.521	2.404	13.1	19.8
12 17	2 35.48	+13 24.6	1.632	2.434	16.5	20.1

66695 1999 TZ_{72} 11 10.2 56°.35 0°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.65	+19 9.9	1.586	2.441	15.1	20.2
10 18	3 22.26	+18 39.7	1.525	2.449	11.1	20.0
10 28	3 14.49	+17 58.8	1.487	2.456	6.5	19.7
11 7	3 5.30	+17 10.5	1.475	2.464	1.6	19.4
11 17	2 55.90	+16 19.6	1.490	2.473	3.4	19.6
11 27	2 47.56	+15 32.4	1.533	2.481	8.1	19.9
12 7	2 41.26	+14 54.6	1.602	2.489	12.3	20.1
12 17	2 37.60	+14 29.8	1.692	2.498	15.8	20.4

223839 2004 TC_{152} 11 10.3 269°.64 2°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.74	+14 12.1	2.190	3.043	11.5	20.7
10 18	3 18.90	+13 13.3	2.113	3.037	8.4	20.5
10 28	3 12.36	+12 8.5	2.061	3.031	5.0	20.3
11 7	3 4.78	+11 1.9	2.038	3.025	2.1	20.1
11 17	2 56.96	+ 9 58.4	2.044	3.018	3.9	20.2
11 27	2 49.80	+ 9 3.2	2.080	3.012	7.4	20.4
12 7	2 44.02	+ 8 20.3	2.142	3.006	10.7	20.6
12 17	2 40.16	+ 7 52.2	2.227	2.999	13.5	20.8

438568 2007 TV_{445} 11 10.3 53°.64 0°.1/10.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.53	+19 24.6	1.577	2.432	15.1	21.6
10 18	3 22.13	+18 55.3	1.521	2.444	11.1	21.3
10 28	3 14.38	+18 15.3	1.487	2.456	6.5	21.1
11 7	3 5.28	+17 27.7	1.479	2.469	1.6	20.8
11 17	2 56.01	+16 37.6	1.499	2.482	3.3	21.0
11 27	2 47.83	+15 51.1	1.546	2.494	8.0	21.3
12 7	2 41.71	+15 13.7	1.619	2.508	12.1	21.6
12 17	2 38.21	+14 49.2	1.714	2.521	15.6	21.8

324795 2007 HW_{19} 11 10.3 201°.73 0°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.96	+16 36.4	2.574	3.415	10.4	21.8
10 18	3 19.59	+16 10.9	2.495	3.413	7.6	21.6
10 28	3 12.69	+15 39.9	2.441	3.409	4.4	21.4
11 7	3 4.86	+15 5.5	2.417	3.406	1.2	21.1
11 17	2 56.81	+14 30.6	2.422	3.402	2.6	21.3
11 27	2 49.32	+13 58.7	2.458	3.398	5.9	21.5
12 7	2 43.08	+13 32.9	2.522	3.394	9.0	21.7
12 17	2 38.55	+13 15.7	2.610	3.389	11.6	21.8

325301 2008 HY_{36} 11 10.3 56°.72 4°.0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.56	+ 6 28.1	1.946	2.804	12.6	20.1
10 18	3 20.96	+ 5 59.8	1.892	2.815	9.3	20.0
10 28	3 13.54	+ 5 33.8	1.863	2.827	6.0	19.8
11 7	3 5.06	+ 5 14.2	1.861	2.838	4.1	19.7
11 17	2 56.45	+ 5 4.4	1.887	2.850	5.5	19.8
11 27	2 48.68	+ 5 7.0	1.941	2.862	8.6	20.0
12 7	2 42.52	+ 5 23.0	2.021	2.875	11.7	20.2
12 17	2 38.47	+ 5 52.1	2.123	2.887	14.4	20.4

132419 2002 GZ_{133} 11 10.3 93°.66 1°.6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.45	+22 58.3	1.861	2.693	14.2	20.6
10 18	3 24.65	+22 50.8	1.807	2.716	10.6	20.4
10 28	3 15.72	+22 31.4	1.778	2.739	6.5	20.2
11 7	3 5.60	+22 1.4	1.775	2.762	2.5	20.0
11 17	2 55.40	+21 24.0	1.802	2.784	3.0	20.1
11 27	2 46.30	+20 44.2	1.858	2.806	6.9	20.4
12 7	2 39.16	+20 7.4	1.941	2.827	10.5	20.7
12 17	2 34.50	+19 37.9	2.047	2.848	13.6	20.9

439020 2011 DG_{32} 11 10.3 234°.97 0°.4/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.02	+18 2.3	1.763	2.611	14.2	22.0
10 18	3 24.03	+17 37.8	1.681	2.601	10.5	21.8
10 28	3 15.63	+17 3.9	1.621	2.590	6.2	21.5
11 7	3 5.64	+16 22.9	1.589	2.578	1.5	21.2
11 17	2 55.19	+15 39.1	1.585	2.566	3.4	21.3
11 27	2 45.56	+14 57.8	1.610	2.554	8.1	21.5
12 7	2 37.82	+14 24.5	1.661	2.541	12.3	21.8
12 17	2 32.68	+14 3.3	1.734	2.528	16.0	22.0

257724 1999 XP_{226} 11 10.3 255°.32 4°.2/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.67	+32 8.8	2.401	3.195	12.6	21.0
10 18	3 21.20	+32 11.7	2.312	3.188	10.0	20.8
10 28	3 13.80	+31 59.0	2.246	3.180	7.3	20.6
11 7	3 5.16	+31 30.1	2.208	3.173	4.8	20.4
11 17	2 56.20	+30 46.3	2.197	3.166	4.3	20.4
11 27	2 47.91	+29 51.5	2.216	3.158	6.4	20.5
12 7	2 41.15	+28 51.4	2.263	3.150	9.2	20.7
12 17	2 36.52	+27 51.8	2.334	3.143	11.9	20.8

130997 2000 WS_{167} 11 10.3 51°.36 6°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.86	+ 5 20.7	1.088	1.966	18.8	19.2
10 18	3 26.44	+ 4 53.8	1.054	1.986	14.0	19.0
10 28	3 17.00	+ 4 33.2	1.040	2.006	9.1	18.8
11 7	3 5.92	+ 4 25.1	1.049	2.027	6.1	18.7
11 17	2 54.86	+ 4 33.9	1.082	2.049	8.0	18.9
11 27	2 45.48	+ 5 1.7	1.140	2.071	12.2	19.2
12 7	2 38.89	+ 5 47.6	1.220	2.093	16.4	19.5
12 17	2 35.63	+ 6 48.8	1.319	2.116	19.9	19.8

514659 2005 TH_{34} 11 10.3 358°.72 1°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.56	+14 41.8	1.199	2.077	17.3	20.9
10 18	3 22.14	+14 17.9	1.139	2.075	12.8	20.6
10 28	3 14.74	+13 46.6	1.099	2.073	7.5	20.3
11 7	3 5.44	+13 12.6	1.083	2.072	2.4	20.0
11 17	2 55.71	+12 41.4	1.092	2.072	4.9	20.2
11 27	2 47.17	+12 19.5	1.125	2.073	10.3	20.5
12 7	2 41.11	+12 11.6	1.181	2.075	15.2	20.8
12 17	2 38.25	+12 20.0	1.256	2.078	19.3	21.1

443157 2014 CF_{9} 11 10.3 132°.28 0°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.97	+17 50.1	2.019	2.860	12.9	22.2
10 18	3 23.49	+17 31.0	1.956	2.872	9.4	22.0
10 28	3 15.04	+17 4.5	1.917	2.884	5.5	21.8
11 7	3 5.45	+16 32.8	1.907	2.896	1.3	21.5
11 17	2 55.71	+15 59.4	1.926	2.907	2.9	21.6
11 27	2 46.84	+15 28.4	1.975	2.918	6.9	21.9
12 7	2 39.70	+15 3.9	2.051	2.928	10.5	22.2
12 17	2 34.81	+14 48.8	2.150	2.937	13.5	22.4

480271 2015 HF_{83} 11 10.3 332°.09 0°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.11	+17 19.5	1.291	2.157	17.2	20.8
10 18	3 24.80	+17 30.3	1.222	2.150	12.8	20.6
10 28	3 16.39	+17 33.2	1.173	2.144	7.6	20.2
11 7	3 5.88	+17 29.4	1.148	2.137	1.9	19.9
11 17	2 54.75	+17 21.6	1.149	2.132	3.9	20.0
11 27	2 44.71	+17 14.4	1.176	2.127	9.5	20.3
12 7	2 37.16	+17 13.0	1.226	2.122	14.6	20.6
12 17	2 32.95	+17 21.2	1.296	2.118	18.8	20.9

68368 2001 ON_{102} 11 10.3 192°.70 1°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.53	+23 3.0	1.698	2.538	15.0	19.8
10 18	3 23.69	+22 36.0	1.624	2.537	11.2	19.6
10 28	3 15.39	+21 54.4	1.572	2.536	6.9	19.3
11 7	3 5.58	+21 0.4	1.547	2.535	2.4	19.0
11 17	2 55.43	+19 58.2	1.551	2.533	3.2	19.1
11 27	2 46.26	+18 54.6	1.582	2.531	7.7	19.4
12 7	2 39.13	+17 56.7	1.640	2.529	12.0	19.6
12 17	2 34.68	+17 10.2	1.721	2.527	15.6	19.8

216025 2005 VX_{56} 11 10.3 57°.08 1°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.42	+16 44.0	1.979	2.833	12.6	19.7
10 18	3 19.48	+15 43.4	1.914	2.839	9.1	19.5
10 28	3 12.71	+14 34.8	1.875	2.845	5.3	19.3
11 7	3 4.88	+13 22.5	1.862	2.851	1.7	19.0
11 17	2 56.90	+12 12.2	1.880	2.858	3.6	19.2
11 27	2 49.73	+11 9.6	1.926	2.864	7.4	19.4
12 7	2 44.15	+10 19.5	1.998	2.871	10.9	19.7
12 17	2 40.64	+ 9 44.6	2.093	2.877	13.9	19.9

343879 2011 HP_{79} 11 10.3 165°.67 3°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.80	+10 58.2	1.974	2.826	12.7	21.4
10 18	3 22.66	+10 10.2	1.908	2.831	9.3	21.2
10 28	3 14.59	+ 9 19.5	1.868	2.835	5.6	21.0
11 7	3 5.36	+ 8 30.3	1.855	2.839	3.0	20.8
11 17	2 55.94	+ 7 47.5	1.872	2.842	4.8	20.9
11 27	2 47.34	+ 7 15.6	1.918	2.844	8.3	21.2
12 7	2 40.41	+ 6 57.5	1.989	2.846	11.7	21.4
12 17	2 35.68	+ 6 54.3	2.083	2.847	14.6	21.6

171103 2005 EO_{269} 11 10.3 307°.47 0°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.91	+20 16.3	1.567	2.424	15.2	20.7
10 18	3 21.43	+19 49.2	1.476	2.400	11.4	20.4
10 28	3 14.32	+19 8.7	1.407	2.376	6.9	20.1
11 7	3 5.38	+18 17.2	1.364	2.353	1.8	19.8
11 17	2 55.78	+17 19.1	1.347	2.330	3.5	19.8
11 27	2 46.94	+16 21.4	1.357	2.307	8.7	20.1
12 7	2 40.09	+15 31.5	1.392	2.285	13.4	20.3
12 17	2 36.04	+14 55.1	1.448	2.263	17.5	20.5

225487 2000 HV_{6} 11 10.3 235°.78 0°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.13	+18 42.4	1.766	2.612	14.2	21.0
10 18	3 24.13	+18 27.8	1.684	2.603	10.6	20.8
10 28	3 15.71	+18 3.8	1.626	2.594	6.3	20.5
11 7	3 5.69	+17 32.4	1.594	2.584	1.6	20.2
11 17	2 55.21	+16 56.8	1.591	2.573	3.2	20.3
11 27	2 45.54	+16 22.3	1.617	2.563	7.9	20.5
12 7	2 37.78	+15 54.1	1.668	2.552	12.1	20.8
12 17	2 32.63	+15 36.2	1.742	2.540	15.7	21.0

241001 2006 KF_{86} 11 10.3 255°.49 8°.9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.62	− 5 9.7	1.821	2.667	13.8	20.3
10 18	3 22.00	− 6 17.6	1.759	2.658	11.4	20.1
10 28	3 14.30	− 7 14.3	1.720	2.650	9.4	20.0
11 7	3 5.31	− 7 52.6	1.707	2.641	8.9	20.0
11 17	2 56.03	− 8 7.0	1.719	2.632	10.3	20.0
11 27	2 47.55	− 7 54.8	1.757	2.623	12.7	20.2
12 7	2 40.77	− 7 16.9	1.817	2.614	15.3	20.3
12 17	2 36.28	− 6 16.6	1.896	2.604	17.7	20.5

201705 2003 UE_{159} 11 10.3 216°.39 0°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.01	+16 48.0	1.955	2.803	13.0	21.0
10 18	3 22.28	+16 26.8	1.879	2.799	9.5	20.7
10 28	3 14.47	+15 58.6	1.827	2.795	5.6	20.5
11 7	3 5.36	+15 25.8	1.802	2.791	1.4	20.2
11 17	2 55.93	+14 52.0	1.806	2.787	3.2	20.3
11 27	2 47.26	+14 21.5	1.840	2.782	7.4	20.6
12 7	2 40.27	+13 58.6	1.899	2.778	11.2	20.8
12 17	2 35.56	+13 46.2	1.982	2.773	14.4	21.0

75983 2000 DY 11 10.3 270°.32 6°.2/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.94	+ 1 37.0	1.863	2.719	13.1	19.0
10 18	3 21.47	+ 0 47.5	1.795	2.712	10.1	18.8
10 28	3 13.98	+ 0 3.4	1.752	2.705	7.4	18.6
11 7	3 5.24	− 0 29.5	1.735	2.698	6.2	18.5
11 17	2 56.20	− 0 46.3	1.746	2.691	7.7	18.6
11 27	2 47.91	− 0 43.8	1.783	2.684	10.6	18.8
12 7	2 41.27	− 0 21.6	1.844	2.676	13.6	19.0
12 17	2 36.86	+ 0 19.1	1.926	2.669	16.4	19.1

480218 2015 GU_{29} 11 10.3 139°.16 1°.1/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.17	+20 59.0	1.743	2.582	14.7	21.9
10 18	3 25.49	+20 56.8	1.677	2.591	10.9	21.7
10 28	3 16.40	+20 44.0	1.634	2.599	6.6	21.4
11 7	3 5.84	+20 21.4	1.619	2.607	2.2	21.2
11 17	2 55.01	+19 52.1	1.632	2.614	3.1	21.3
11 27	2 45.21	+19 20.9	1.673	2.621	7.5	21.6
12 7	2 37.46	+18 53.2	1.741	2.627	11.6	21.8
12 17	2 32.38	+18 33.3	1.832	2.633	15.0	22.0

277242 2005 RF_{19} 11 10.3 106°.76 0°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.05	+19 37.1	1.653	2.498	15.1	21.5
10 18	3 25.33	+19 21.1	1.597	2.515	11.1	21.3
10 28	3 16.24	+18 54.9	1.564	2.531	6.6	21.1
11 7	3 5.78	+18 20.7	1.558	2.547	1.7	20.8
11 17	2 55.20	+17 42.5	1.581	2.563	3.2	21.0
11 27	2 45.76	+17 5.6	1.632	2.578	7.8	21.3
12 7	2 38.46	+16 35.5	1.709	2.593	11.8	21.6
12 17	2 33.85	+16 15.8	1.808	2.608	15.2	21.8

474571 2004 EP_{40} 11 10.3 205°.63 5°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.34	+31 25.4	1.998	2.794	14.7	22.3
10 18	3 27.27	+31 53.0	1.912	2.789	11.8	22.1
10 28	3 17.60	+32 4.1	1.848	2.783	8.5	21.8
11 7	3 6.19	+31 56.2	1.811	2.777	5.7	21.7
11 17	2 54.24	+31 29.1	1.802	2.769	5.3	21.6
11 27	2 43.14	+30 47.0	1.822	2.761	7.7	21.8
12 7	2 34.05	+29 56.4	1.869	2.753	11.0	21.9
12 17	2 27.74	+29 5.0	1.940	2.743	14.2	22.1

325663 2009 SS_{358} 11 10.3 28°.35 2°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.60	+26 19.8	1.791	2.627	14.5	20.0
10 18	3 19.90	+25 45.3	1.727	2.636	11.0	19.8
10 28	3 13.07	+24 54.4	1.686	2.645	7.0	19.6
11 7	3 5.00	+23 49.4	1.671	2.655	3.1	19.3
11 17	2 56.78	+22 35.1	1.684	2.665	3.2	19.4
11 27	2 49.53	+21 18.4	1.725	2.676	7.0	19.6
12 7	2 44.11	+20 6.5	1.792	2.688	10.7	19.9
12 17	2 41.08	+19 5.1	1.883	2.700	14.0	20.1

447203 2005 SF_{262} 11 10.3 62°.58 1°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.87	+15 21.2	1.901	2.754	13.0	21.0
10 18	3 21.36	+15 0.9	1.838	2.762	9.5	20.8
10 28	3 13.87	+14 35.2	1.800	2.770	5.5	20.5
11 7	3 5.21	+14 6.8	1.789	2.778	1.6	20.3
11 17	2 56.35	+13 39.4	1.807	2.787	3.4	20.4
11 27	2 48.34	+13 17.0	1.853	2.795	7.4	20.7
12 7	2 42.02	+13 3.1	1.925	2.803	11.0	20.9
12 17	2 37.94	+12 59.7	2.020	2.812	14.1	21.2

176384 2001 UX_{22} 11 10.3 37°.22 5°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.39	+31 17.9	1.619	2.438	16.5	19.4
10 18	3 23.03	+31 30.8	1.559	2.450	13.1	19.2
10 28	3 15.06	+31 23.5	1.520	2.463	9.3	19.0
11 7	3 5.52	+30 54.9	1.506	2.476	6.0	18.8
11 17	2 55.74	+30 7.5	1.517	2.489	5.3	18.8
11 27	2 47.12	+29 7.5	1.556	2.503	8.0	19.0
12 7	2 40.75	+28 3.3	1.620	2.518	11.5	19.3
12 17	2 37.24	+27 2.7	1.707	2.532	14.8	19.5

52020 2002 NM_{33} 11 10.3 99°.98 6°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.71	+36 54.5	1.968	2.745	15.5	19.1
10 18	3 25.15	+37 2.2	1.903	2.761	12.7	19.0
10 28	3 16.17	+36 47.9	1.859	2.776	9.7	18.8
11 7	3 5.78	+36 10.1	1.840	2.791	7.1	18.7
11 17	2 55.23	+35 10.5	1.849	2.806	6.2	18.7
11 27	2 45.82	+33 54.8	1.885	2.820	7.8	18.8
12 7	2 38.56	+32 31.6	1.949	2.835	10.5	19.0
12 17	2 34.01	+31 9.2	2.036	2.848	13.3	19.2

389534 2010 JS_{77} 11 10.3 92°.40 0°.9/10.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.39	+20 24.6	2.104	2.933	12.9	21.8
10 18	3 25.08	+20 26.1	2.054	2.963	9.5	21.6
10 28	3 15.90	+20 19.0	2.030	2.993	5.7	21.5
11 7	3 5.69	+20 4.4	2.034	3.022	1.8	21.3
11 17	2 55.47	+19 44.6	2.068	3.050	2.6	21.4
11 27	2 46.23	+19 23.4	2.133	3.078	6.3	21.7
12 7	2 38.77	+19 4.7	2.225	3.105	9.7	21.9
12 17	2 33.57	+18 51.7	2.342	3.131	12.5	22.2

520774 2014 SE_{231} 11 10.3 63°.83 2°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.16	+23 7.2	2.204	3.032	12.4	20.8
10 18	3 22.22	+23 25.2	2.136	3.041	9.4	20.6
10 28	3 14.37	+23 33.8	2.092	3.051	5.9	20.4
11 7	3 5.35	+23 33.0	2.076	3.060	2.7	20.2
11 17	2 56.08	+23 24.1	2.089	3.069	2.9	20.2
11 27	2 47.57	+23 10.2	2.131	3.079	6.2	20.5
12 7	2 40.63	+22 55.2	2.201	3.088	9.4	20.7
12 17	2 35.83	+22 42.7	2.296	3.098	12.3	20.9

384720 2011 HC_{92} 11 10.3 282°.32 0°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.13	+18 18.6	1.519	2.377	15.5	21.8
10 18	3 23.03	+17 44.3	1.436	2.362	11.5	21.6
10 28	3 15.23	+16 58.3	1.376	2.347	6.8	21.3
11 7	3 5.63	+16 3.6	1.341	2.331	1.7	20.9
11 17	2 55.46	+15 5.8	1.334	2.315	3.9	21.0
11 27	2 46.16	+14 11.9	1.353	2.300	9.1	21.3
12 7	2 38.95	+13 28.8	1.397	2.284	13.8	21.5
12 17	2 34.63	+13 1.2	1.462	2.269	17.8	21.7

266575 2008 HT_{5} 11 10.3 180°.70 1°.4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.20	+15 37.9	1.591	2.448	15.0	21.9
10 18	3 24.21	+15 8.9	1.523	2.448	11.0	21.6
10 28	3 15.74	+14 32.6	1.478	2.449	6.4	21.4
11 7	3 5.72	+13 52.3	1.460	2.449	1.9	21.1
11 17	2 55.36	+13 12.9	1.469	2.449	4.1	21.2
11 27	2 46.00	+12 40.0	1.506	2.448	8.8	21.5
12 7	2 38.71	+12 18.3	1.568	2.447	13.0	21.8
12 17	2 34.16	+12 10.4	1.651	2.446	16.6	22.0

9940 1988 VM_{3} 11 10.3 51°.23 1°.7/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.44	+21 42.2	1.065	1.932	19.9	17.2
10 18	3 26.58	+21 42.9	1.022	1.949	14.8	16.9
10 28	3 17.32	+21 27.5	0.998	1.967	9.0	16.7
11 7	3 6.10	+20 57.9	0.997	1.985	3.1	16.4
11 17	2 54.74	+20 18.8	1.021	2.004	4.1	16.5
11 27	2 45.12	+19 38.5	1.069	2.023	9.8	16.9
12 7	2 38.54	+19 5.0	1.140	2.043	14.8	17.3
12 17	2 35.60	+18 43.9	1.230	2.063	19.0	17.6

54410 2000 LG_9 11 10.3 177°.85 1°.8/ 9.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.82	+13 46.5	1.951	2.800	13.0	19.3
10 18	3 23.51	+13 14.4	1.880	2.802	9.5	19.1
10 28	3 15.16	+12 37.4	1.834	2.803	5.6	18.9
11 7	3 5.56	+11 58.9	1.816	2.804	2.1	18.7
11 17	2 55.70	+11 23.0	1.827	2.804	3.9	18.8
11 27	2 46.67	+10 54.2	1.868	2.804	7.9	19.1
12 7	2 39.34	+10 36.0	1.935	2.803	11.5	19.3
12 17	2 34.31	+10 30.3	2.025	2.801	14.6	19.5

226068 2002 JC_{18} 11 10.3 114°.20 1°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.33	+20 25.8	2.355	3.186	11.6	20.6
10 18	3 22.19	+20 35.3	2.285	3.195	8.6	20.4
10 28	3 14.30	+20 37.4	2.240	3.203	5.2	20.2
11 7	3 5.34	+20 32.9	2.224	3.212	1.8	20.0
11 17	2 56.16	+20 23.2	2.238	3.220	2.5	20.1
11 27	2 47.67	+20 11.1	2.282	3.228	5.9	20.3
12 7	2 40.64	+20 0.1	2.354	3.236	9.1	20.5
12 17	2 35.61	+19 53.1	2.450	3.244	11.9	20.7

274114 2008 DU_{47} 11 10.3 102°.51 1°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.75	+22 8.8	1.606	2.445	15.8	20.9
10 18	3 26.72	+22 12.0	1.550	2.463	11.8	20.7
10 28	3 17.13	+22 3.0	1.518	2.481	7.2	20.5
11 7	3 6.05	+21 42.4	1.511	2.498	2.7	20.3
11 17	2 54.82	+21 13.2	1.533	2.515	3.3	20.4
11 27	2 44.80	+20 40.7	1.583	2.531	7.8	20.7
12 7	2 37.07	+20 11.0	1.659	2.547	11.9	20.9
12 17	2 32.21	+19 48.8	1.757	2.563	15.3	21.2

395047 2009 DE_{116} 11 10.3 143°.29 2°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.18	+24 35.2	2.209	3.031	12.6	21.8
10 18	3 22.94	+24 29.4	2.138	3.039	9.5	21.6
10 28	3 14.78	+24 12.0	2.091	3.048	6.1	21.4
11 7	3 5.47	+23 43.7	2.071	3.055	2.7	21.2
11 17	2 55.95	+23 7.0	2.082	3.063	2.9	21.2
11 27	2 47.23	+22 25.9	2.122	3.070	6.2	21.5
12 7	2 40.13	+21 45.6	2.191	3.076	9.5	21.7
12 17	2 35.21	+21 10.5	2.283	3.082	12.4	21.9

62803 2000 UU_{37} 11 10.3 281°.96 0°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.66	+18 33.6	2.067	2.913	12.4	18.9
10 18	3 20.51	+18 9.9	1.988	2.907	9.2	18.7
10 28	3 13.44	+17 38.0	1.933	2.901	5.4	18.5
11 7	3 5.15	+17 0.1	1.905	2.895	1.3	18.2
11 17	2 56.56	+16 19.6	1.907	2.889	2.8	18.3
11 27	2 48.65	+15 41.2	1.937	2.882	6.9	18.5
12 7	2 42.29	+15 9.2	1.994	2.876	10.5	18.8
12 17	2 38.06	+14 47.0	2.075	2.870	13.6	19.0

421218 2013 SF_{31} 11 10.3 107°.32 2°.5/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.80	+26 48.6	2.593	3.406	11.2	21.4
10 18	3 20.32	+26 52.8	2.517	3.411	8.6	21.3
10 28	3 13.19	+26 46.0	2.466	3.416	5.8	21.1
11 7	3 5.08	+26 28.5	2.443	3.421	3.1	20.9
11 17	2 56.74	+26 1.8	2.449	3.426	3.0	20.9
11 27	2 49.03	+25 29.1	2.485	3.431	5.5	21.1
12 7	2 42.66	+24 54.4	2.549	3.436	8.3	21.3
12 17	2 38.14	+24 21.9	2.638	3.440	10.9	21.5

407093 2009 SN_{273} 11 10.3 112°.75 0°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.05	+16 43.9	2.413	3.255	11.0	21.5
10 18	3 20.38	+16 17.2	2.351	3.269	8.0	21.3
10 28	3 13.16	+15 44.8	2.315	3.283	4.7	21.1
11 7	3 5.05	+15 9.3	2.307	3.296	1.2	20.9
11 17	2 56.84	+14 33.7	2.329	3.309	2.7	21.0
11 27	2 49.32	+14 1.7	2.381	3.322	6.1	21.3
12 7	2 43.17	+13 36.4	2.462	3.334	9.1	21.5
12 17	2 38.84	+13 20.0	2.566	3.347	11.7	21.7

321490 2009 SH_{54} 11 10.3 354°.55 3°.6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.82	+ 9 26.1	2.090	2.949	11.8	20.5
10 18	3 19.00	+ 8 23.5	2.023	2.949	8.7	20.3
10 28	3 12.46	+ 7 19.1	1.982	2.948	5.5	20.1
11 7	3 4.90	+ 6 17.7	1.969	2.948	3.6	20.0
11 17	2 57.14	+ 5 24.7	1.984	2.948	5.2	20.1
11 27	2 50.07	+ 4 44.4	2.028	2.948	8.4	20.3
12 7	2 44.45	+ 4 19.9	2.097	2.948	11.5	20.5
12 17	2 40.76	+ 4 11.9	2.188	2.948	14.1	20.7

312814 2011 LS_{13} 11 10.3 101°.40 2°.1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.42	+15 4.0	1.773	2.627	13.8	20.6
10 18	3 22.46	+13 58.5	1.720	2.645	10.0	20.4
10 28	3 14.48	+12 46.2	1.692	2.662	5.8	20.2
11 7	3 5.39	+11 32.5	1.691	2.678	2.3	20.0
11 17	2 56.24	+10 23.6	1.719	2.694	4.3	20.2
11 27	2 48.12	+ 9 25.6	1.776	2.710	8.3	20.5
12 7	2 41.84	+ 8 42.8	1.858	2.726	11.9	20.7
12 17	2 37.91	+ 8 17.1	1.963	2.741	14.9	21.0

174324 2002 TN_{120} 11 10.3 13°.22 3°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.93	+27 37.7	1.530	2.370	16.4	19.7
10 18	3 21.32	+27 17.5	1.463	2.372	12.6	19.4
10 28	3 14.12	+26 37.7	1.418	2.375	8.3	19.2
11 7	3 5.35	+25 39.6	1.397	2.379	4.2	19.0
11 17	2 56.28	+24 27.7	1.402	2.383	3.9	19.0
11 27	2 48.30	+23 9.7	1.435	2.388	7.9	19.2
12 7	2 42.50	+21 54.7	1.492	2.393	12.1	19.5
12 17	2 39.51	+20 49.9	1.572	2.399	15.8	19.7

324751 2007 FF_{33} 11 10.3 188°.72 3°.6/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.13	+29 0.8	2.322	3.129	12.6	20.9
10 18	3 22.29	+29 14.9	2.242	3.129	9.8	20.7
10 28	3 14.48	+29 15.8	2.185	3.128	6.8	20.5
11 7	3 5.43	+29 2.7	2.155	3.128	4.2	20.3
11 17	2 56.06	+28 36.9	2.154	3.127	3.9	20.3
11 27	2 47.38	+28 1.6	2.182	3.126	6.3	20.5
12 7	2 40.27	+27 21.9	2.238	3.125	9.3	20.6
12 17	2 35.31	+26 43.0	2.319	3.124	12.1	20.8

213827 2003 QN_{75} 11 10.3 50°.63 1°.1/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.55	+22 8.9	1.100	1.966	19.5	19.2
10 18	3 25.02	+21 38.4	1.058	1.986	14.4	18.9
10 28	3 16.32	+20 50.7	1.037	2.006	8.6	18.7
11 7	3 5.87	+19 49.6	1.038	2.027	2.6	18.4
11 17	2 55.38	+18 42.5	1.064	2.048	3.9	18.6
11 27	2 46.58	+17 39.0	1.116	2.069	9.6	18.9
12 7	2 40.64	+16 47.5	1.190	2.091	14.5	19.3
12 17	2 38.10	+16 12.9	1.284	2.113	18.5	19.6

180857 Hofigéza 11 10.3 267°.23 1°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.32	+19 55.0	1.473	2.323	16.3	20.4
10 18	3 26.31	+20 7.3	1.392	2.312	12.3	20.2
10 28	3 17.30	+20 9.5	1.334	2.300	7.5	19.9
11 7	3 6.21	+20 2.0	1.300	2.289	2.4	19.5
11 17	2 54.43	+19 46.5	1.294	2.277	3.6	19.6
11 27	2 43.57	+19 27.9	1.315	2.265	8.9	19.9
12 7	2 35.03	+19 11.9	1.361	2.253	13.7	20.1
12 17	2 29.67	+19 3.8	1.427	2.241	17.8	20.4

96355 1997 VR_6 11 10.3 2°.41 1°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.87	+13 46.4	0.957	1.847	19.7	18.7
10 18	3 23.71	+13 52.8	0.903	1.844	14.5	18.4
10 28	3 15.97	+13 54.7	0.868	1.843	8.6	18.1
11 7	3 5.88	+13 55.0	0.854	1.844	2.5	17.8
11 17	2 55.22	+13 57.8	0.863	1.846	5.2	17.9
11 27	2 46.02	+14 7.8	0.895	1.849	11.3	18.3
12 7	2 39.82	+14 29.0	0.948	1.854	16.8	18.6
12 17	2 37.41	+15 2.8	1.018	1.860	21.4	18.9

476561 2008 OU_{20} 11 10.3 60°.41 5°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.69	+ 7 38.6	1.394	2.265	15.8	21.2
10 18	3 23.01	+ 6 38.1	1.353	2.282	11.7	21.0
10 28	3 14.92	+ 5 39.0	1.334	2.300	7.5	20.8
11 7	3 5.51	+ 4 48.4	1.340	2.318	5.2	20.7
11 17	2 56.06	+ 4 12.3	1.372	2.336	7.1	20.9
11 27	2 47.84	+ 3 55.5	1.430	2.354	10.8	21.1
12 7	2 41.82	+ 3 59.1	1.512	2.372	14.5	21.4
12 17	2 38.51	+ 4 22.0	1.613	2.391	17.7	21.7

274487 2008 SQ_{109} 11 10.3 38°.89 0°.4/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.05	+17 9.0	2.216	3.063	11.7	20.3
10 18	3 19.88	+16 53.9	2.147	3.067	8.6	20.1
10 28	3 12.99	+16 32.8	2.103	3.071	5.0	19.9
11 7	3 5.05	+16 7.9	2.086	3.075	1.2	19.6
11 17	2 56.90	+15 41.8	2.098	3.080	2.7	19.7
11 27	2 49.44	+15 18.1	2.140	3.084	6.4	20.0
12 7	2 43.41	+15 0.3	2.209	3.089	9.7	20.2
12 17	2 39.33	+14 50.8	2.302	3.094	12.6	20.4

340198 2005 YV_{291} 11 10.3 276°.00 3°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.16	+10 5.3	1.628	2.493	14.3	20.9
10 18	3 21.97	+ 9 10.7	1.556	2.485	10.5	20.7
10 28	3 14.45	+ 8 12.9	1.508	2.477	6.6	20.5
11 7	3 5.46	+ 7 17.7	1.486	2.469	3.9	20.3
11 17	2 56.08	+ 6 31.2	1.492	2.461	5.9	20.4
11 27	2 47.57	+ 5 59.1	1.524	2.452	9.9	20.6
12 7	2 40.94	+ 5 45.0	1.581	2.444	13.9	20.8
12 17	2 36.85	+ 5 49.7	1.658	2.436	17.2	21.0

52260 Ureshino 11 10.3 123°.61 9°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.87	− 8 51.3	1.885	2.705	14.5	18.5
10 18	3 27.67	− 9 21.8	1.842	2.722	12.0	18.3
10 28	3 17.44	− 9 36.0	1.823	2.739	9.9	18.2
11 7	3 6.14	− 9 28.8	1.830	2.755	9.1	18.2
11 17	2 54.84	− 8 57.6	1.865	2.770	10.0	18.3
11 27	2 44.65	− 8 2.8	1.927	2.785	12.1	18.5
12 7	2 36.42	− 6 47.6	2.013	2.799	14.4	18.7
12 17	2 30.63	− 5 16.8	2.120	2.812	16.5	18.9

220269 2003 AP_{43} 11 10.3 7.°01 1.°4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.84	+19 54.4	0.997	1.880	19.7	19.2
10 18	3 22.16	+20 9.6	0.944	1.880	14.7	18.9
10 28	3 15.02	+20 11.7	0.910	1.882	8.9	18.6
11 7	3 5.64	+20 1.8	0.897	1.886	2.9	18.2
11 17	2 55.76	+19 43.4	0.907	1.891	4.2	18.3
11 27	2 47.32	+19 23.3	0.940	1.898	10.2	18.7
12 7	2 41.79	+19 8.6	0.994	1.906	15.6	19.0
12 17	2 39.94	+19 4.6	1.067	1.916	20.0	19.4

23751 Davidprice 11 10.3 324.°78 1.°8/ 9.2 18

10 8	3 26.94	+16 53.5	1.310	2.181	16.7	17.4
10 18	3 22.30	+15 56.1	1.242	2.175	12.3	17.1
10 28	3 14.84	+14 46.4	1.196	2.169	7.2	16.8
11 7	3 5.57	+13 30.1	1.175	2.164	2.2	16.5
11 17	2 55.88	+12 15.0	1.179	2.159	4.8	16.6
11 27	2 47.30	+11 10.4	1.210	2.154	10.1	16.9
12 7	2 41.05	+10 23.1	1.263	2.150	14.9	17.2
12 17	2 37.84	+ 9 56.9	1.336	2.146	19.0	17.5

50588 2000 EX_{45} 11 10.3 111.°98 1.°0/ 9.6 18

10 8	3 26.88	+16 35.7	1.925	2.776	13.0	19.2
10 18	3 21.39	+15 59.8	1.859	2.782	9.5	19.0
10 28	3 13.94	+15 16.6	1.818	2.787	5.5	18.8
11 7	3 5.31	+14 29.6	1.803	2.792	1.5	18.5
11 17	2 56.48	+13 42.9	1.818	2.798	3.4	18.7
11 27	2 48.48	+13 1.7	1.861	2.803	7.4	18.9
12 7	2 42.16	+12 30.2	1.931	2.808	11.1	19.2
12 17	2 38.07	+12 11.1	2.023	2.812	14.2	19.4

411961 2012 HM_{38} 11 10.3 275.°66 0.°3/10.1 17

10 8	3 24.40	+18 57.2	2.288	3.131	11.5	21.5
10 18	3 19.49	+18 20.3	2.200	3.117	8.5	21.3
10 28	3 12.82	+17 34.6	2.136	3.104	5.0	21.0
11 7	3 5.04	+16 42.5	2.100	3.090	1.2	20.7
11 17	2 56.95	+15 47.9	2.094	3.076	2.7	20.8
11 27	2 49.45	+14 55.5	2.118	3.062	6.5	21.1
12 7	2 43.31	+14 9.8	2.169	3.047	9.9	21.2
12 17	2 39.09	+13 34.5	2.244	3.033	12.9	21.4

518916 2010 GR_{17} 11 10.3 226.°27 5.°2/ 6.4 18

10 8	3 26.72	+ 3 45.1	2.161	3.012	11.8	22.0
10 18	3 21.13	+ 2 44.2	2.087	3.003	9.0	21.8
10 28	3 13.77	+ 1 45.6	2.038	2.993	6.3	21.6
11 7	3 5.28	+ 0 54.5	2.017	2.983	5.2	21.5
11 17	2 56.52	+ 0 16.1	2.025	2.972	6.7	21.6
11 27	2 48.39	− 0 6.0	2.061	2.961	9.4	21.8
12 7	2 41.69	− 0 9.9	2.123	2.949	12.3	21.9
12 17	2 36.96	+ 0 4.0	2.205	2.937	14.9	22.1

109331 2001 QY_{142} 11 10.3 0.°71 8.°9/ 7.8 18

10 8	3 23.17	+ 0 54.2	0.875	1.776	20.0	17.1
10 18	3 20.24	+ 0 32.7	0.829	1.770	15.5	16.8
10 28	3 13.90	+ 0 25.9	0.801	1.767	11.2	16.6
11 7	3 5.39	+ 0 42.2	0.793	1.766	8.9	16.4
11 17	2 56.40	+ 1 26.5	0.805	1.768	10.7	16.5
11 27	2 48.85	+ 2 39.4	0.838	1.773	14.8	16.8
12 7	2 44.15	+ 4 16.1	0.890	1.780	19.3	17.1
12 17	2 43.03	+ 6 10.0	0.958	1.790	23.2	17.4

485332 2011 BP_{102} 11 10.3 262.°28 4.°4/ 7.2 17

10 8	3 25.52	+ 3 57.3	2.358	3.209	10.9	21.7
10 18	3 20.15	+ 3 25.3	2.282	3.199	8.3	21.5
10 28	3 13.16	+ 2 56.4	2.231	3.189	5.7	21.3
11 7	3 5.14	+ 2 34.4	2.209	3.179	4.4	21.2
11 17	2 56.86	+ 2 22.6	2.215	3.168	5.7	21.3
11 27	2 49.14	+ 2 23.8	2.250	3.158	8.3	21.4
12 7	2 42.70	+ 2 38.9	2.311	3.148	11.1	21.6
12 17	2 38.07	+ 3 7.7	2.394	3.137	13.5	21.8

38363 1999 RS_{156} 11 10.3 70.°20 4.°9/ 6.5 18

10 8	3 24.71	+ 5 44.3	1.979	2.840	12.3	19.0
10 18	3 19.60	+ 4 31.2	1.931	2.854	9.2	18.8
10 28	3 12.79	+ 3 20.2	1.908	2.868	6.3	18.7
11 7	3 5.02	+ 2 17.1	1.912	2.882	4.9	18.6
11 17	2 57.18	+ 1 27.3	1.944	2.896	6.5	18.7
11 27	2 50.15	+ 0 54.8	2.004	2.911	9.3	18.9
12 7	2 44.66	+ 0 41.0	2.089	2.925	12.1	19.2
12 17	2 41.15	+ 0 45.6	2.195	2.939	14.6	19.4

89950 2002 GJ_{133} 11 10.3 36.°38 3.°5/12.3 18

10 8	3 29.36	+26 28.5	1.901	2.725	14.2	18.9
10 18	3 23.49	+26 59.9	1.834	2.733	11.0	18.7
10 28	3 15.32	+27 18.5	1.790	2.741	7.4	18.5
11 7	3 5.71	+27 23.0	1.772	2.750	4.2	18.3
11 17	2 55.77	+27 14.4	1.783	2.759	4.1	18.3
11 27	2 46.71	+26 56.1	1.821	2.768	7.1	18.5
12 7	2 39.54	+26 33.3	1.886	2.777	10.5	18.8
12 17	2 34.89	+26 11.3	1.975	2.787	13.6	19.0

129247 2005 QJ_{26} 11 10.3 13.°23 1.°8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.58	+20 45.8	1.131	2.002	18.8	19.1
10 18	3 23.92	+21 5.7	1.076	2.005	14.1	18.9
10 28	3 15.97	+21 12.8	1.040	2.009	8.7	18.6
11 7	3 5.92	+21 7.3	1.026	2.014	3.1	18.3
11 17	2 55.41	+20 52.0	1.037	2.021	4.1	18.4
11 27	2 46.27	+20 32.9	1.073	2.028	9.6	18.7
12 7	2 39.89	+20 16.8	1.131	2.037	14.6	19.0
12 17	2 37.03	+20 9.2	1.208	2.047	18.9	19.3

286969 2002 QC_{8} 11 10.3 91.°17 1.°6/ 9.3 18

10 8	3 28.51	+14 3.6	1.810	2.664	13.6	20.6
10 18	3 22.67	+13 41.4	1.749	2.673	9.9	20.4
10 28	3 14.73	+13 14.7	1.711	2.681	5.8	20.2
11 7	3 5.55	+12 46.5	1.701	2.690	1.9	19.9
11 17	2 56.17	+12 20.8	1.720	2.698	3.8	20.1
11 27	2 47.69	+12 1.5	1.767	2.706	7.9	20.4
12 7	2 41.01	+11 51.9	1.839	2.715	11.6	20.6
12 17	2 36.69	+11 53.9	1.934	2.723	14.7	20.8

304324 2006 SV_{184} 11 10.3 32.°26 1.°7/11.2 18

10 8	3 29.13	+21 52.3	1.813	2.653	14.2	20.8
10 18	3 23.35	+22 4.0	1.742	2.655	10.6	20.6
10 28	3 15.26	+22 5.3	1.694	2.657	6.6	20.4
11 7	3 5.71	+21 56.8	1.673	2.660	2.6	20.1
11 17	2 55.81	+21 40.2	1.681	2.663	3.1	20.2
11 27	2 46.77	+21 19.6	1.716	2.665	7.2	20.4
12 7	2 39.62	+20 59.8	1.778	2.668	11.1	20.7
12 17	2 35.01	+20 45.3	1.863	2.672	14.4	20.9

314993 2006 YW_{15} 11 10.3 279.°23 7.°0/15.2 17

10 8	3 30.28	+37 52.0	2.124	2.893	14.8	20.2
10 18	3 24.47	+38 25.7	2.029	2.878	12.4	20.0
10 28	3 16.10	+38 40.1	1.956	2.863	9.8	19.8
11 7	3 5.96	+38 31.7	1.906	2.847	7.7	19.6
11 17	2 55.22	+37 59.6	1.884	2.831	7.0	19.6
11 27	2 45.21	+37 6.8	1.889	2.816	8.4	19.6
12 7	2 37.13	+36 0.4	1.920	2.800	11.0	19.7
12 17	2 31.76	+34 48.4	1.975	2.785	13.7	19.9

14181 Koromházi 11 10.3 311.°54 2.°6/ 9.0 18

10 8	3 28.12	+10 55.7	1.658	2.520	14.2	17.2
10 18	3 22.83	+10 46.6	1.577	2.504	10.5	17.0
10 28	3 15.09	+10 36.2	1.519	2.489	6.4	16.7
11 7	3 5.70	+10 27.7	1.487	2.473	2.8	16.4
11 17	2 55.77	+10 24.3	1.482	2.458	4.7	16.5
11 27	2 46.59	+10 29.8	1.505	2.444	9.1	16.7
12 7	2 39.25	+10 46.4	1.553	2.430	13.3	17.0
12 17	2 34.53	+11 15.5	1.622	2.416	16.9	17.2

441213 2007 VC_{12} 11 10.3 333.°26 1.°9/11.8 17

10 8	3 25.84	+26 27.2	1.666	2.504	15.3	20.7
10 18	3 21.11	+25 35.3	1.589	2.499	11.7	20.5
10 28	3 13.99	+24 23.7	1.534	2.495	7.4	20.3
11 7	3 5.39	+22 55.1	1.505	2.491	3.0	20.0
11 17	2 56.50	+21 15.4	1.504	2.487	3.2	20.0
11 27	2 48.58	+19 33.6	1.531	2.483	7.6	20.2
12 7	2 42.65	+17 59.0	1.585	2.480	11.9	20.5
12 17	2 39.33	+16 38.8	1.661	2.477	15.6	20.7

513632 2011 OR_{52} 11 10.3 110.°40 6.°3/ 6.3 18

10 8	3 27.82	+ 2 30.8	1.794	2.651	13.5	21.4
10 18	3 22.04	+ 1 23.6	1.744	2.662	10.3	21.2
10 28	3 14.30	+ 0 21.7	1.718	2.672	7.5	21.0
11 7	3 5.44	− 0 28.6	1.720	2.682	6.3	21.0
11 17	2 56.46	− 1 1.9	1.748	2.692	7.8	21.1
11 27	2 48.41	− 1 14.8	1.804	2.702	10.6	21.3
12 7	2 42.10	− 1 6.8	1.883	2.711	13.5	21.5
12 17	2 38.05	− 0 39.4	1.983	2.721	16.1	21.7

259644 2003 WH_{79} 11 10.3 332.°58 2.°4/11.7 18

10 8	3 28.62	+25 34.7	1.337	2.187	17.7	20.1
10 18	3 23.67	+25 5.5	1.267	2.184	13.5	19.8
10 28	3 15.72	+24 15.7	1.218	2.181	8.6	19.5
11 7	3 5.86	+23 7.1	1.193	2.179	3.6	19.2
11 17	2 55.57	+21 45.2	1.193	2.176	3.8	19.2
11 27	2 46.49	+20 19.7	1.220	2.174	8.9	19.5
12 7	2 39.91	+19 0.9	1.272	2.172	13.8	19.8
12 17	2 36.53	+17 56.7	1.344	2.171	18.0	20.1

335719 2007 CZ_{24} 11 10.3 262.°88 3.°0/12.1 18

10 8	3 30.15	+26 16.9	1.659	2.491	15.6	20.9
10 18	3 24.54	+26 11.1	1.572	2.478	12.1	20.7
10 28	3 16.20	+25 48.5	1.507	2.464	8.0	20.4
11 7	3 6.01	+25 8.8	1.467	2.449	3.9	20.1
11 17	2 55.23	+24 14.6	1.455	2.435	3.9	20.1
11 27	2 45.33	+23 12.1	1.470	2.420	8.1	20.3
12 7	2 37.53	+22 9.6	1.511	2.405	12.4	20.5
12 17	2 32.65	+21 14.4	1.574	2.390	16.3	20.8

509495 2007 TV_{422} 11 10.3 348°.21 1°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.06	+16 24.2	0.992	1.882	19.2	21.4
10 18	3 21.65	+15 53.2	0.932	1.873	14.2	21.1
10 28	3 14.81	+15 10.5	0.891	1.866	8.4	20.8
11 7	3 5.68	+14 21.1	0.871	1.860	2.4	20.4
11 17	2 55.95	+13 32.6	0.874	1.856	5.2	20.6
11 27	2 47.53	+12 54.1	0.900	1.853	11.4	20.9
12 7	2 41.94	+12 32.5	0.946	1.851	16.9	21.2
12 17	2 39.99	+12 31.1	1.010	1.850	21.6	21.5

137462 1999 TN_{316} 11 10.3 86°.37 0°.3/10.1 16

10 8	3 31.79	+18 56.4	1.430	2.285	16.5	20.8
10 18	3 25.40	+18 23.0	1.381	2.304	12.1	20.5
10 28	3 16.43	+17 38.5	1.353	2.323	7.0	20.3
11 7	3 5.99	+16 46.6	1.352	2.341	1.7	20.0
11 17	2 55.48	+15 53.0	1.378	2.360	3.7	20.2
11 27	2 46.30	+15 4.6	1.431	2.378	8.6	20.5
12 7	2 39.48	+14 27.2	1.509	2.395	13.0	20.9
12 17	2 35.57	+14 4.4	1.608	2.413	16.5	21.1

119998 2002 YN_6 11 10.3 278°.81 3°.6/12.4 18

10 8	3 29.85	+27 22.4	1.569	2.402	16.4	19.8
10 18	3 24.45	+27 24.0	1.487	2.391	12.7	19.5
10 28	3 16.19	+27 7.6	1.426	2.381	8.6	19.2
11 7	3 6.02	+26 32.5	1.390	2.370	4.6	19.0
11 17	2 55.26	+25 40.9	1.380	2.359	4.4	18.9
11 27	2 45.46	+24 39.2	1.398	2.349	8.3	19.2
12 7	2 37.91	+23 36.1	1.440	2.338	12.7	19.4
12 17	2 33.40	+22 39.4	1.505	2.327	16.6	19.6

251190 2006 UF_{90} 11 10.3 24°.43 0°.5/10.7 18

10 8	3 25.10	+22 28.5	1.676	2.525	14.7	20.1
10 18	3 20.41	+21 33.2	1.610	2.530	10.9	19.8
10 28	3 13.50	+20 22.9	1.567	2.534	6.5	19.6
11 7	3 5.28	+19 1.7	1.551	2.540	1.8	19.3
11 17	2 56.86	+17 35.9	1.562	2.545	3.1	19.4
11 27	2 49.42	+16 13.3	1.602	2.551	7.6	19.7
12 7	2 43.89	+15 1.2	1.668	2.558	11.7	20.0
12 17	2 40.80	+14 4.6	1.756	2.564	15.2	20.2

480203 2015 FL_{363} 11 10.3 143°.26 2°.3/ 9.0 16

10 8	3 30.52	+13 57.2	1.513	2.373	15.4	21.8
10 18	3 24.51	+13 14.8	1.451	2.378	11.3	21.6
10 28	3 15.98	+12 26.2	1.412	2.382	6.7	21.3
11 7	3 5.92	+11 36.0	1.399	2.387	2.6	21.1
11 17	2 55.59	+10 49.9	1.414	2.391	4.8	21.3
11 27	2 46.35	+10 14.1	1.456	2.394	9.4	21.5
12 7	2 39.26	+ 9 52.9	1.522	2.398	13.6	21.8
12 17	2 34.96	+ 9 48.2	1.610	2.401	17.1	22.0

399299 2014 HW_{181} 11 10.3 290°.59 2°.2/ 9.3 18

10 8	3 29.59	+11 58.9	1.678	2.536	14.3	20.7
10 18	3 23.91	+11 51.9	1.596	2.522	10.6	20.4
10 28	3 15.74	+11 42.7	1.537	2.507	6.3	20.1
11 7	3 5.91	+11 33.9	1.505	2.493	2.5	19.8
11 17	2 55.51	+11 28.9	1.501	2.478	4.4	19.9
11 27	2 45.87	+11 31.1	1.524	2.464	8.9	20.2
12 7	2 38.11	+11 43.4	1.573	2.450	13.1	20.4
12 17	2 33.00	+12 7.4	1.643	2.436	16.8	20.6

425665 2010 XT_{49} 11 10.3 63°.66 2°.2/11.5 16

10 8	3 35.62	+24 17.8	1.190	2.040	19.4	20.9
10 18	3 28.42	+24 2.1	1.156	2.073	14.5	20.7
10 28	3 18.19	+23 27.9	1.142	2.106	8.9	20.5
11 7	3 6.41	+22 37.9	1.153	2.139	3.5	20.3
11 17	2 54.83	+21 38.1	1.190	2.173	3.9	20.4
11 27	2 45.10	+20 37.4	1.253	2.205	8.9	20.8
12 7	2 38.30	+19 44.5	1.340	2.238	13.5	21.2
12 17	2 34.88	+19 4.9	1.449	2.270	17.2	21.5

519666 2012 XD_{159} 11 10.3 340°.15 6°.3/ 7.7 18

10 8	3 30.82	+ 1 17.0	1.594	2.451	14.9	21.0
10 18	3 24.67	+ 1 3.3	1.530	2.448	11.5	20.8
10 28	3 16.08	+ 0 58.2	1.488	2.444	8.1	20.6
11 7	3 5.96	+ 1 6.5	1.472	2.441	6.3	20.5
11 17	2 55.49	+ 1 31.7	1.483	2.438	7.7	20.5
11 27	2 45.95	+ 2 15.1	1.521	2.436	11.0	20.7
12 7	2 38.41	+ 3 15.6	1.583	2.433	14.5	20.9
12 17	2 33.53	+ 4 30.5	1.665	2.432	17.7	21.2

81334 2000 GS_{32} 11 10.3 258°.12 1°.3/ 9.4 18

10 8	3 26.54	+15 48.2	1.906	2.759	13.0	20.2
10 18	3 21.29	+15 11.9	1.831	2.755	9.5	19.9
10 28	3 14.00	+14 28.5	1.780	2.750	5.6	19.7
11 7	3 5.43	+13 41.6	1.757	2.745	1.7	19.4
11 17	2 56.56	+12 55.4	1.762	2.741	3.6	19.6
11 27	2 48.45	+12 15.2	1.795	2.736	7.7	19.8
12 7	2 42.00	+11 45.3	1.855	2.731	11.5	20.0
12 17	2 37.80	+11 28.4	1.937	2.726	14.7	20.2

336062 2008 EL_{117} 11 10.3 148°.55 0°.3/10.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.35	+19 9.6	1.860	2.699	13.9	22.6
10 18	3 25.51	+18 56.1	1.794	2.709	10.3	22.4
10 28	3 16.45	+18 33.6	1.752	2.718	6.1	22.2
11 7	3 6.04	+18 3.8	1.737	2.726	1.6	21.9
11 17	2 55.41	+17 30.2	1.752	2.734	3.0	22.0
11 27	2 45.74	+16 57.3	1.796	2.741	7.3	22.3
12 7	2 37.98	+16 30.0	1.866	2.747	11.2	22.5
12 17	2 32.73	+16 12.0	1.961	2.753	14.4	22.8

209827 2005 GP_{138} 11 10.3 239°.41 0°.6/ 9.9 18

10 8	3 28.58	+16 39.6	1.922	2.770	13.2	20.5
10 18	3 22.83	+16 27.8	1.844	2.765	9.7	20.3
10 28	3 14.94	+16 9.6	1.791	2.759	5.7	20.0
11 7	3 5.69	+15 46.9	1.765	2.754	1.4	19.7
11 17	2 56.06	+15 22.7	1.767	2.748	3.2	19.8
11 27	2 47.19	+15 1.3	1.799	2.743	7.4	20.1
12 7	2 40.02	+14 46.4	1.856	2.737	11.3	20.3
12 17	2 35.17	+14 41.0	1.937	2.731	14.5	20.5

377532 2005 GH_{131} 11 10.3 113°.20 0°.7/ 9.9 16

10 8	3 33.15	+17 14.1	1.682	2.528	14.8	22.0
10 18	3 26.10	+16 49.3	1.629	2.548	10.8	21.8
10 28	3 16.74	+16 16.5	1.599	2.568	6.3	21.6
11 7	3 6.10	+15 38.6	1.597	2.586	1.6	21.3
11 17	2 55.37	+15 0.0	1.624	2.605	3.5	21.5
11 27	2 45.80	+14 25.9	1.679	2.622	7.9	21.8
12 7	2 38.33	+14 0.8	1.760	2.639	11.9	22.1
12 17	2 33.51	+13 47.5	1.864	2.655	15.1	22.3

255156 2005 UF_{181} 11 10.3 69°.15 0°.4/10.0 18

10 8	3 25.67	+19 23.1	1.964	2.811	12.9	20.4
10 18	3 20.45	+18 32.6	1.904	2.824	9.5	20.2
10 28	3 13.38	+17 32.4	1.869	2.837	5.5	20.0
11 7	3 5.25	+16 26.3	1.861	2.851	1.3	19.7
11 17	2 57.02	+15 19.3	1.883	2.864	3.0	19.9
11 27	2 49.67	+14 17.2	1.933	2.877	7.0	20.1
12 7	2 43.95	+13 25.1	2.010	2.890	10.5	20.4
12 17	2 40.37	+12 46.2	2.111	2.904	13.5	20.6

275373 2011 AB_{60} 11 10.3 87°.89 2°.4/ 9.1 18

10 8	3 30.26	+13 43.4	1.435	2.299	15.9	21.0
10 18	3 24.38	+13 6.4	1.379	2.308	11.6	20.7
10 28	3 15.92	+12 23.8	1.346	2.317	6.8	20.5
11 7	3 5.92	+11 40.1	1.338	2.325	2.6	20.2
11 17	2 55.71	+11 1.1	1.357	2.334	4.8	20.4
11 27	2 46.66	+10 32.4	1.402	2.343	9.5	20.7
12 7	2 39.85	+10 18.0	1.472	2.351	13.8	21.0
12 17	2 35.89	+10 19.6	1.563	2.359	17.3	21.2

403753 2011 BS_2 11 10.3 53°.24 5°.4/14.4 17

10 8	3 28.66	+34 0.9	2.056	2.848	14.5	21.1
10 18	3 22.96	+34 19.8	1.986	2.857	11.7	20.9
10 28	3 15.02	+34 20.3	1.939	2.866	8.7	20.7
11 7	3 5.71	+34 1.1	1.917	2.876	6.2	20.6
11 17	2 56.12	+33 23.3	1.923	2.885	5.5	20.6
11 27	2 47.45	+32 31.4	1.956	2.895	7.3	20.7
12 7	2 40.65	+31 32.1	2.016	2.905	10.1	20.9
12 17	2 36.34	+30 32.3	2.100	2.915	12.8	21.1

264344 1999 XT_{56} 11 10.3 1°.86 2°.1/11.9 18

10 8	3 22.56	+26 6.8	1.538	2.387	15.8	19.1
10 18	3 18.85	+25 25.0	1.470	2.386	12.0	18.8
10 28	3 12.74	+24 23.9	1.422	2.385	7.7	18.6
11 7	3 5.14	+23 6.4	1.400	2.385	3.2	18.3
11 17	2 57.27	+21 38.3	1.404	2.387	3.3	18.4
11 27	2 50.39	+20 8.3	1.436	2.390	7.8	18.6
12 7	2 45.52	+18 45.4	1.492	2.394	12.1	18.9
12 17	2 43.27	+17 36.2	1.571	2.399	15.8	19.1

393756 2005 EL_{258} 11 10.3 112°.66 2°.2/ 8.6 18

10 8	3 27.62	+13 4.7	2.150	2.999	11.9	22.1
10 18	3 21.64	+12 11.3	2.096	3.017	8.6	21.9
10 28	3 13.98	+11 14.1	2.067	3.035	5.1	21.7
11 7	3 5.41	+10 17.2	2.067	3.053	2.3	21.6
11 17	2 56.78	+ 9 25.2	2.097	3.070	4.0	21.7
11 27	2 48.98	+ 8 42.5	2.157	3.087	7.3	21.9
12 7	2 42.71	+ 8 12.1	2.243	3.103	10.5	22.2
12 17	2 38.43	+ 7 55.6	2.353	3.118	13.1	22.4

350493 1999 VL_{41} 11 10.3 29°.09 4°.5/12.1 18

10 8	3 32.47	+24 59.6	1.263	2.112	18.6	20.1
10 18	3 26.61	+25 59.7	1.212	2.125	14.3	19.9
10 28	3 17.52	+26 44.5	1.182	2.140	9.5	19.6
11 7	3 6.38	+27 11.1	1.175	2.155	5.3	19.5
11 17	2 54.86	+27 19.2	1.194	2.172	5.2	19.5
11 27	2 44.74	+27 13.3	1.238	2.189	9.2	19.8
12 7	2 37.41	+27 0.4	1.306	2.207	13.5	20.1
12 17	2 33.57	+26 47.9	1.394	2.226	17.2	20.4

336110 2008 JY_{20} 11 10.3 109°.37 2°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.23	+11 34.6	1.760	2.611	14.0	21.1
10 18	3 25.28	+11 3.2	1.710	2.632	10.2	20.9
10 28	3 16.22	+10 29.4	1.685	2.653	6.1	20.7
11 7	3 5.98	+ 9 57.2	1.687	2.672	2.8	20.6
11 17	2 55.69	+ 9 30.6	1.718	2.692	4.6	20.7
11 27	2 46.49	+ 9 13.7	1.777	2.710	8.4	21.0
12 7	2 39.23	+ 9 8.9	1.863	2.728	12.0	21.3
12 17	2 34.43	+ 9 17.2	1.971	2.745	15.0	21.5

234714 2002 JX_{67} 11 10.3 161°.66 2°.3/ 8.8 18

10 8	3 28.29	+12 38.8	2.060	2.910	12.3	21.1
10 18	3 22.33	+11 58.3	1.993	2.914	9.0	20.9
10 28	3 14.51	+11 14.0	1.951	2.919	5.4	20.7
11 7	3 5.58	+10 29.7	1.937	2.923	2.4	20.5
11 17	2 56.45	+ 9 49.5	1.952	2.926	4.1	20.7
11 27	2 48.09	+ 9 17.7	1.997	2.929	7.7	20.9
12 7	2 41.32	+ 8 57.6	2.069	2.932	11.1	21.1
12 17	2 36.67	+ 8 50.7	2.163	2.934	13.9	21.3

114416 2002 YY_{28} 11 10.3 191°.45 2°.2/ 8.7 18

10 8	3 29.84	+12 2.6	2.271	3.114	11.6	20.8
10 18	3 23.37	+11 26.9	2.194	3.112	8.5	20.6
10 28	3 15.11	+10 47.8	2.143	3.109	5.1	20.3
11 7	3 5.74	+10 8.8	2.121	3.106	2.3	20.2
11 17	2 56.11	+ 9 33.4	2.129	3.102	3.9	20.3
11 27	2 47.16	+ 9 5.6	2.167	3.097	7.3	20.5
12 7	2 39.68	+ 8 48.2	2.233	3.091	10.6	20.7
12 17	2 34.21	+ 8 43.0	2.323	3.084	13.4	20.9

20874 MacGregor 11 10.3 63°.34 0°.7/10.8 18

10 8	3 27.14	+20 25.9	1.976	2.818	13.1	18.8
10 18	3 21.64	+20 15.0	1.911	2.826	9.7	18.6
10 28	3 14.16	+19 54.9	1.870	2.835	5.8	18.4
11 7	3 5.50	+19 27.3	1.856	2.845	1.8	18.1
11 17	2 56.63	+18 55.2	1.871	2.854	2.7	18.2
11 27	2 48.59	+18 22.9	1.915	2.863	6.7	18.5
12 7	2 42.24	+17 54.8	1.985	2.872	10.3	18.7
12 17	2 38.11	+17 34.6	2.080	2.882	13.4	19.0

46012 2001 CM_{26} 11 10.3 249°.60 5°.2/ 6.4 18

10 8	3 24.64	+ 2 33.9	2.261	3.114	11.3	19.1
10 18	3 19.55	+ 1 43.7	2.195	3.111	8.6	19.0
10 28	3 12.84	+ 0 57.4	2.154	3.107	6.2	18.8
11 7	3 5.16	+ 0 19.8	2.141	3.104	5.2	18.7
11 17	2 57.28	− 0 5.2	2.156	3.101	6.5	18.8
11 27	2 50.01	− 0 14.5	2.199	3.098	9.0	19.0
12 7	2 44.07	− 0 7.2	2.267	3.095	11.6	19.1
12 17	2 39.95	+ 0 16.1	2.357	3.091	13.9	19.3

111721 2002 CN_{42} 11 10.3 123°.84 5°.3/14.5 18

10 8	3 31.91	+34 47.7	1.957	2.744	15.3	19.9
10 18	3 25.35	+34 44.4	1.888	2.756	12.3	19.7
10 28	3 16.41	+34 20.1	1.840	2.768	9.1	19.5
11 7	3 6.07	+33 33.7	1.818	2.779	6.2	19.4
11 17	2 55.54	+32 27.5	1.825	2.790	5.4	19.4
11 27	2 46.12	+31 7.7	1.859	2.800	7.5	19.5
12 7	2 38.78	+29 42.8	1.921	2.810	10.5	19.7
12 17	2 34.12	+28 20.8	2.008	2.820	13.4	19.9

426692 2013 TC_{27} 11 10.3 199°.97 3°.6/12.0 18

10 8	3 34.03	+25 29.6	1.517	2.350	16.8	21.6
10 18	3 27.57	+25 56.5	1.444	2.349	13.0	21.3
10 28	3 18.07	+26 8.5	1.392	2.348	8.6	21.1
11 7	3 6.56	+26 4.0	1.365	2.346	4.5	20.8
11 17	2 54.47	+25 43.8	1.366	2.345	4.4	20.8
11 27	2 43.46	+25 12.9	1.393	2.342	8.6	21.1
12 7	2 34.88	+24 38.7	1.446	2.340	12.9	21.3
12 17	2 29.54	+24 8.1	1.521	2.338	16.7	21.5

516041 2015 TQ_{118} 11 10.3 60°.83 6°.7/ 4.9 18

10 8	3 23.97	+ 0 56.5	1.988	2.847	12.3	20.7
10 18	3 19.08	− 0 36.6	1.946	2.861	9.6	20.6
10 28	3 12.54	− 2 3.6	1.929	2.876	7.3	20.5
11 7	3 5.08	− 3 17.5	1.940	2.891	6.7	20.4
11 17	2 57.55	− 4 12.7	1.977	2.906	8.1	20.6
11 27	2 50.82	− 4 45.6	2.041	2.921	10.5	20.7
12 7	2 45.59	− 4 55.7	2.129	2.936	13.0	20.9
12 17	2 42.30	− 4 44.7	2.236	2.952	15.1	21.1

266592 2008 HN_{70} 11 10.3 160°.86 0°.6/ 9.9 16

10 8	3 31.11	+17 23.8	1.975	2.816	13.1	22.0
10 18	3 24.50	+16 54.5	1.906	2.823	9.6	21.8
10 28	3 15.84	+16 17.3	1.862	2.829	5.6	21.6
11 7	3 5.94	+15 35.1	1.846	2.835	1.4	21.3
11 17	2 55.83	+14 51.8	1.859	2.840	3.2	21.4
11 27	2 46.60	+14 12.1	1.903	2.844	7.3	21.7
12 7	2 39.12	+13 40.6	1.973	2.848	11.0	21.9
12 17	2 33.97	+13 20.3	2.067	2.850	14.1	22.2

415661 2014 QW_{418} 11 10.3 93°.40 0°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.18	+21 48.2	2.329	3.161	11.7	21.3
10 18	3 20.65	+21 26.0	2.266	3.176	8.7	21.2
10 28	3 13.46	+20 54.5	2.227	3.190	5.2	21.0
11 7	3 5.32	+20 15.6	2.216	3.204	1.7	20.8
11 17	2 57.07	+19 32.2	2.236	3.218	2.4	20.8
11 27	2 49.55	+18 48.7	2.285	3.232	5.8	21.1
12 7	2 43.49	+18 9.1	2.362	3.246	9.0	21.3
12 17	2 39.35	+17 36.9	2.464	3.259	11.7	21.5

343835 2011 HD_{28} 11 10.3 165°.57 3°.9/12.7 18

10 8	3 31.83	+28 26.7	1.769	2.588	15.4	21.0
10 18	3 25.55	+28 36.2	1.695	2.590	12.0	20.7
10 28	3 16.69	+28 28.9	1.644	2.592	8.2	20.5
11 7	3 6.20	+28 4.0	1.618	2.594	4.7	20.3
11 17	2 55.32	+27 23.3	1.619	2.596	4.4	20.3
11 27	2 45.44	+26 32.1	1.650	2.597	7.6	20.5
12 7	2 37.67	+25 37.8	1.706	2.598	11.4	20.7
12 17	2 32.70	+24 47.5	1.786	2.599	14.8	21.0

319377 2006 DP_{119} 11 10.3 108°.32 6°.6/ 5.0 18

10 8	3 25.56	− 5 39.9	2.624	3.455	10.6	20.2
10 18	3 19.88	− 6 28.9	2.582	3.472	8.6	20.1
10 28	3 12.88	− 7 8.2	2.566	3.489	7.1	20.0
11 7	3 5.17	− 7 34.0	2.577	3.505	6.6	20.0
11 17	2 57.41	− 7 43.2	2.616	3.521	7.5	20.1
11 27	2 50.30	− 7 34.5	2.682	3.536	9.2	20.2
12 7	2 44.41	− 7 8.7	2.773	3.551	11.0	20.4
12 17	2 40.12	− 6 27.5	2.885	3.566	12.7	20.5

187770 1998 RU_{41} 11 10.3 14°.13 7°.2/ 6.1 18

10 8	3 21.66	+ 8 39.3	0.971	1.871	18.5	18.4
10 18	3 18.76	+ 6 42.4	0.931	1.876	13.8	18.2
10 28	3 12.87	+ 4 43.8	0.912	1.883	9.2	18.0
11 7	3 5.22	+ 2 57.0	0.914	1.891	7.2	17.9
11 17	2 57.37	+ 1 34.6	0.939	1.901	9.8	18.1
11 27	2 50.92	+ 0 45.3	0.985	1.912	14.2	18.4
12 7	2 47.01	+ 0 31.0	1.051	1.925	18.4	18.7
12 17	2 46.19	+ 0 48.7	1.134	1.939	22.0	19.0

32772 1986 JL 11 10.3 297°.33 12°.0/ 9.2 18 A

10 8	3 46.07	− 9 24.9	1.085	1.924	21.7	16.6
10 18	3 37.24	− 9 6.9	1.016	1.912	18.0	16.3
10 28	3 24.19	− 8 18.1	0.966	1.900	14.3	16.0
11 7	3 8.21	− 6 49.7	0.938	1.889	12.1	15.9
11 17	2 51.31	− 4 39.4	0.936	1.878	13.1	15.9
11 27	2 35.87	− 1 53.5	0.959	1.866	16.7	16.1
12 7	2 23.78	+ 1 15.6	1.006	1.856	21.0	16.3
12 17	2 16.07	+ 4 35.0	1.072	1.846	25.0	16.5

520633 2014 PS_{72} 11 10.3 146°.35 3°.8/ 7.3 18

10 8	3 24.49	+ 7 46.5	2.274	3.129	11.1	22.2
10 18	3 19.42	+ 6 48.9	2.210	3.132	8.2	22.0
10 28	3 12.76	+ 5 51.1	2.171	3.135	5.3	21.8
11 7	3 5.17	+ 4 57.6	2.161	3.137	3.8	21.7
11 17	2 57.41	+ 4 13.0	2.180	3.140	5.2	21.8
11 27	2 50.31	+ 3 41.1	2.228	3.142	8.0	22.0
12 7	2 44.54	+ 3 23.9	2.301	3.145	10.9	22.2
12 17	2 40.58	+ 3 22.1	2.397	3.147	13.3	22.4

379844 2012 BJ_{72} 11 10.3 36°.55 2°.2/ 7.4 18

10 8	3 17.64	+ 7 7.4	4.153	5.001	6.7	20.5
10 18	3 13.88	+ 6 36.0	4.085	5.003	4.9	20.4
10 28	3 9.32	+ 6 5.2	4.045	5.006	3.2	20.2
11 7	3 4.28	+ 5 37.1	4.034	5.009	2.2	20.2
11 17	2 59.16	+ 5 13.6	4.053	5.012	3.0	20.2
11 27	2 54.34	+ 4 56.2	4.102	5.015	4.7	20.4
12 7	2 50.18	+ 4 46.3	4.180	5.018	6.5	20.5
12 17	2 46.97	+ 4 44.4	4.282	5.021	8.0	20.6

102909 1999 XR_{19} 11 10.3 39°.36 2°.1/11.1 18

10 8	3 33.54	+20 30.9	1.185	2.045	18.8	18.4
10 18	3 27.48	+21 8.0	1.132	2.056	14.1	18.1
10 28	3 18.08	+21 33.7	1.099	2.066	8.7	17.9
11 7	3 6.58	+21 47.0	1.091	2.078	3.3	17.6
11 17	2 54.68	+21 49.1	1.107	2.090	4.1	17.7
11 27	2 44.25	+21 44.7	1.149	2.102	9.4	18.0
12 7	2 36.67	+21 40.0	1.214	2.115	14.3	18.4
12 17	2 32.68	+21 40.6	1.300	2.129	18.3	18.7

428086 2006 NM 11 10.3 22°.61 14°.3/23.4 15 R

10 8	4 0.00	+53 49.7	0.641	1.426	37.7	17.6
10 18	3 45.35	+53 2.8	0.663	1.504	31.0	17.6
10 28	3 26.58	+51 12.1	0.694	1.583	24.4	17.6
11 7	3 8.07	+48 22.4	0.740	1.664	18.6	17.7
11 17	2 53.18	+44 54.3	0.805	1.745	14.9	17.9
11 27	2 43.56	+41 16.4	0.893	1.826	14.4	18.2
12 7	2 39.23	+37 53.7	1.002	1.906	16.3	18.6
12 17	2 39.42	+35 0.3	1.132	1.986	18.8	19.0

364465 2007 CE_1 11 10.3 172°.76 1°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.19	+24 25.2	2.567	3.385	11.2	22.0
10 18	3 21.40	+24 17.7	2.488	3.388	8.4	21.8
10 28	3 13.95	+24 0.1	2.433	3.390	5.4	21.6
11 7	3 5.50	+23 33.2	2.408	3.391	2.4	21.4
11 17	2 56.82	+22 59.0	2.412	3.392	2.5	21.4
11 27	2 48.77	+22 20.9	2.446	3.393	5.5	21.6
12 7	2 42.06	+21 43.2	2.510	3.394	8.5	21.8
12 17	2 37.21	+21 9.7	2.598	3.394	11.2	22.0

469697 2005 CR_{62} 11 10.3 167°.91 12°.0/ 1.7 17

10 8	3 30.91	−14 24.8	1.871	2.683	14.9	21.5
10 18	3 24.34	−16 6.1	1.832	2.689	13.2	21.4
10 28	3 15.73	−17 27.9	1.816	2.693	12.1	21.4
11 7	3 5.94	−18 21.9	1.824	2.697	12.1	21.4
11 17	2 56.03	−18 42.9	1.856	2.700	13.2	21.5
11 27	2 47.06	−18 29.7	1.910	2.702	14.9	21.6
12 7	2 39.91	−17 45.4	1.985	2.703	16.7	21.7
12 17	2 35.10	−16 35.2	2.076	2.704	18.4	21.9

67576 2000 SA_{112} 11 10.3 92°.70 1°.3/ 9.6 18

10 8	3 32.83	+16 41.6	1.386	2.244	16.7	20.0
10 18	3 26.22	+16 0.3	1.338	2.264	12.2	19.7
10 28	3 16.97	+15 9.9	1.313	2.284	7.1	19.5
11 7	3 6.26	+14 15.2	1.314	2.303	2.0	19.2
11 17	2 55.49	+13 22.4	1.342	2.322	4.2	19.4
11 27	2 46.11	+12 38.1	1.397	2.341	9.2	19.8
12 7	2 39.14	+12 7.6	1.477	2.359	13.5	20.1
12 17	2 35.14	+11 53.2	1.577	2.376	17.1	20.4

426362 2013 ND_{11} 11 10.3 77°.22 1°.6/11.0 16

10 8	3 40.16	+20 46.2	1.365	2.206	17.9	21.1
10 18	3 31.52	+21 6.6	1.328	2.242	13.2	20.9
10 28	3 20.02	+21 14.6	1.314	2.277	8.0	20.7
11 7	3 7.01	+21 10.5	1.325	2.312	2.8	20.5
11 17	2 54.12	+20 56.9	1.364	2.347	3.6	20.7
11 27	2 42.94	+20 39.3	1.432	2.380	8.4	21.0
12 7	2 34.58	+20 23.6	1.525	2.413	12.7	21.4
12 17	2 29.52	+20 14.8	1.639	2.445	16.2	21.7

273332 2006 TO_{63} 11 10.3 22°.25 4°.9/12.4 18

10 8	3 32.13	+26 28.6	1.192	2.042	19.4	20.3
10 18	3 26.71	+27 13.4	1.134	2.046	15.1	20.1
10 28	3 17.80	+27 40.2	1.094	2.051	10.2	19.8
11 7	3 6.58	+27 46.2	1.078	2.057	5.8	19.6
11 17	2 54.79	+27 31.7	1.085	2.063	5.6	19.6
11 27	2 44.42	+27 2.7	1.118	2.070	9.7	19.9
12 7	2 36.97	+26 28.1	1.174	2.078	14.4	20.1
12 17	2 33.24	+25 56.6	1.249	2.086	18.4	20.4

244524 2002 TO_{222} 11 10.3 17°.75 2°.5/ 8.7 18

10 8	3 22.03	+16 45.5	1.165	2.049	17.3	18.4
10 18	3 18.73	+15 21.6	1.120	2.059	12.6	18.2
10 28	3 12.74	+13 46.0	1.096	2.071	7.3	17.9
11 7	3 5.23	+12 7.3	1.095	2.084	2.7	17.7
11 17	2 57.57	+10 35.9	1.120	2.098	5.4	17.9
11 27	2 51.18	+ 9 21.6	1.170	2.114	10.4	18.2
12 7	2 47.09	+ 8 30.3	1.241	2.132	14.9	18.5
12 17	2 45.84	+ 8 3.7	1.332	2.150	18.6	18.8

478829 2012 VT_{36} 11 10.4 334°.26 0°.2/10.5 16

10 8	3 23.23	+20 27.9	1.239	2.112	17.3	21.2
10 18	3 20.02	+19 54.2	1.161	2.093	12.9	20.9
10 28	3 13.83	+19 4.1	1.104	2.076	7.8	20.6
11 7	3 5.60	+18 0.8	1.070	2.059	2.1	20.2
11 17	2 56.71	+16 50.8	1.060	2.044	3.9	20.2
11 27	2 48.79	+15 43.4	1.076	2.030	9.8	20.5
12 7	2 43.22	+14 47.7	1.113	2.017	15.0	20.8
12 17	2 40.84	+14 9.7	1.171	2.006	19.6	21.0

514700 2006 KX_{54} 11 10.4 152°.69 0°.1/10.4 18

10 8	3 27.85	+21 19.0	1.997	2.836	13.1	21.8
10 18	3 22.14	+20 22.2	1.926	2.841	9.7	21.6
10 28	3 14.48	+19 13.1	1.880	2.846	5.7	21.4
11 7	3 5.67	+17 55.3	1.861	2.850	1.5	21.1
11 17	2 56.69	+16 34.1	1.872	2.854	2.8	21.2
11 27	2 48.57	+15 16.2	1.913	2.858	7.0	21.5
12 7	2 42.15	+14 7.8	1.982	2.861	10.7	21.7
12 17	2 37.94	+13 13.0	2.074	2.865	13.8	22.0

475256 2005 WV_{66} 11 10.4 258°.94 0°.1/10.3 18

10 8	3 28.74	+19 25.3	1.669	2.519	14.7	21.7
10 18	3 23.33	+18 55.5	1.589	2.510	10.9	21.5
10 28	3 15.45	+18 14.2	1.532	2.500	6.5	21.2
11 7	3 5.97	+17 24.2	1.502	2.491	1.7	20.9
11 17	2 56.03	+16 30.0	1.499	2.481	3.3	21.0
11 27	2 46.96	+15 37.9	1.524	2.471	8.2	21.3
12 7	2 39.84	+14 54.2	1.575	2.461	12.5	21.5
12 17	2 35.38	+14 23.6	1.648	2.451	16.3	21.7

133821 2003 XN_3 11 10.4 78°.35 5°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.51	− 1 2.9	2.334	3.178	11.3	19.2
10 18	3 20.81	− 1 32.2	2.279	3.186	8.8	19.1
10 28	3 13.57	− 1 54.1	2.250	3.194	6.6	19.0
11 7	3 5.44	− 2 4.8	2.248	3.202	5.7	18.9
11 17	2 57.19	− 2 1.4	2.274	3.210	6.8	19.0
11 27	2 49.62	− 1 42.4	2.328	3.218	8.9	19.2
12 7	2 43.39	− 1 8.1	2.408	3.226	11.3	19.4
12 17	2 38.97	− 0 20.2	2.510	3.235	13.4	19.5

396441 2014 EC_{50} 11 10.4 167°.98 3°.1/12.5 18

10 8	3 31.04	+27 28.0	2.191	3.001	13.1	21.3
10 18	3 24.55	+27 36.3	2.113	3.005	10.1	21.1
10 28	3 15.97	+27 31.3	2.060	3.008	6.8	20.9
11 7	3 6.09	+27 12.6	2.034	3.011	3.8	20.7
11 17	2 55.89	+26 41.8	2.037	3.013	3.6	20.7
11 27	2 46.49	+26 2.6	2.069	3.015	6.5	20.9
12 7	2 38.78	+25 20.7	2.130	3.016	9.7	21.1
12 17	2 33.38	+24 41.3	2.215	3.017	12.7	21.3

108371 2001 KF_{19} 11 10.4 155°.02 1°.9/ 9.1 18

10 8	3 27.77	+13 42.7	1.940	2.792	12.9	20.0
10 18	3 22.13	+13 8.9	1.872	2.795	9.4	19.8
10 28	3 14.52	+12 30.3	1.828	2.798	5.5	19.6
11 7	3 5.71	+11 50.6	1.812	2.800	2.1	19.4
11 17	2 56.66	+11 14.0	1.825	2.802	3.9	19.5
11 27	2 48.41	+10 44.8	1.867	2.804	7.8	19.7
12 7	2 41.81	+10 26.4	1.935	2.806	11.3	20.0
12 17	2 37.42	+10 20.9	2.025	2.807	14.4	20.2

277301 2005 SZ_{140} 11 10.4 285°.73 3°.7/ 8.1 18

10 8	3 27.62	+11 36.9	1.511	2.378	15.0	20.8
10 18	3 22.53	+10 35.2	1.443	2.373	11.1	20.6
10 28	3 14.97	+ 9 28.3	1.398	2.368	6.8	20.3
11 7	3 5.86	+ 8 22.5	1.379	2.363	3.7	20.1
11 17	2 56.38	+ 7 24.7	1.387	2.358	5.9	20.2
11 27	2 47.86	+ 6 41.8	1.422	2.354	10.2	20.5
12 7	2 41.36	+ 6 17.7	1.480	2.349	14.3	20.7
12 17	2 37.54	+ 6 14.1	1.559	2.344	17.8	20.9

157587 2005 UA_{441} 11 10.4 264°.02 3°.2/12.7 18

10 8	3 29.10	+29 7.7	1.672	2.496	15.9	19.9
10 18	3 23.75	+28 32.1	1.585	2.485	12.4	19.6
10 28	3 15.77	+27 34.6	1.521	2.474	8.3	19.4
11 7	3 6.08	+26 15.9	1.482	2.462	4.3	19.1
11 17	2 55.95	+24 40.6	1.470	2.451	3.9	19.0
11 27	2 46.80	+22 57.1	1.488	2.439	7.9	19.3
12 7	2 39.76	+21 15.9	1.531	2.427	12.2	19.5
12 17	2 35.57	+19 45.7	1.598	2.415	16.0	19.7

296775 2009 UW_{121} 11 10.4 2°.40 8°.0/ 4.0 18

10 8	3 22.26	− 0 45.7	1.773	2.637	13.3	19.9
10 18	3 18.19	− 2 25.5	1.721	2.636	10.6	19.8
10 28	3 12.22	− 3 58.2	1.693	2.636	8.5	19.6
11 7	3 5.14	− 5 15.6	1.691	2.637	8.1	19.6
11 17	2 57.86	− 6 10.8	1.715	2.638	9.6	19.7
11 27	2 51.35	− 6 39.7	1.764	2.640	12.1	19.9
12 7	2 46.43	− 6 41.8	1.835	2.642	14.7	20.1
12 17	2 43.61	− 6 19.3	1.924	2.645	17.1	20.2

49073 1998 RA_{58} 11 10.4 342°.99 2°.4/ 9.2 18

10 8	3 24.74	+14 35.6	1.114	1.999	17.9	18.7
10 18	3 21.22	+13 59.6	1.048	1.988	13.2	18.4
10 28	3 14.57	+13 14.8	1.003	1.978	7.8	18.0
11 7	3 5.82	+12 26.6	0.980	1.969	2.8	17.7
11 17	2 56.48	+11 42.2	0.981	1.961	5.4	17.9
11 27	2 48.26	+11 9.6	1.006	1.955	11.1	18.2
12 7	2 42.58	+10 54.6	1.052	1.949	16.3	18.4
12 17	2 40.23	+10 59.6	1.116	1.946	20.7	18.7

382669 2002 TA_{126} 11 10.4 50°.41 2°.3/ 9.0 16

10 8	3 31.19	+17 48.8	1.071	1.946	19.3	20.0
10 18	3 25.16	+16 13.3	1.046	1.980	13.8	19.8
10 28	3 16.30	+14 26.9	1.042	2.015	7.9	19.6
11 7	3 6.11	+12 39.6	1.061	2.050	2.6	19.4
11 17	2 56.23	+11 2.5	1.107	2.086	5.3	19.7
11 27	2 48.16	+ 9 45.0	1.178	2.121	10.5	20.1
12 7	2 42.85	+ 8 52.5	1.272	2.157	15.0	20.4
12 17	2 40.66	+ 8 25.3	1.385	2.192	18.6	20.8

330983 2009 TV_{35} 11 10.4 67°.37 0°.5/10.7 18

10 8	3 32.69	+20 36.9	1.332	2.186	17.4	20.6
10 18	3 26.21	+20 12.1	1.290	2.212	12.8	20.4
10 28	3 17.02	+19 34.3	1.269	2.237	7.6	20.2
11 7	3 6.34	+18 46.8	1.274	2.263	2.1	19.9
11 17	2 55.69	+17 55.1	1.305	2.288	3.5	20.1
11 27	2 46.52	+17 6.6	1.363	2.314	8.6	20.5
12 7	2 39.89	+16 27.6	1.446	2.339	13.0	20.8
12 17	2 36.29	+16 2.2	1.550	2.364	16.6	21.1

124041 2001 FU_{138} 11 10.4 154°.47 6°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.53	+38 53.7	2.699	3.446	12.5	20.0
10 18	3 24.11	+39 24.3	2.619	3.451	10.4	19.8
10 28	3 15.71	+39 38.1	2.561	3.456	8.3	19.7
11 7	3 6.05	+39 33.1	2.529	3.460	6.6	19.6
11 17	2 56.07	+39 9.2	2.525	3.464	6.0	19.6
11 27	2 46.80	+38 29.0	2.549	3.467	7.0	19.6
12 7	2 39.10	+37 37.6	2.601	3.471	8.8	19.8
12 17	2 33.58	+36 41.1	2.679	3.474	10.9	19.9

318538 2005 FE_{6} 11 10.4 137°.31 5°.4/13.7 18

10 8	3 34.79	+32 12.1	1.661	2.466	16.8	20.3
10 18	3 27.91	+32 25.0	1.593	2.475	13.4	20.1
10 28	3 18.19	+32 16.9	1.547	2.484	9.6	19.9
11 7	3 6.70	+31 45.8	1.525	2.493	6.3	19.7
11 17	2 54.89	+30 53.5	1.531	2.501	5.6	19.7
11 27	2 44.31	+29 46.4	1.565	2.509	8.3	19.8
12 7	2 36.16	+28 33.8	1.624	2.516	11.9	20.1
12 17	2 31.12	+27 24.5	1.707	2.522	15.3	20.3

434963 2006 UP_{92} 11 10.4 314°.58 2°.0/ 9.3 18

10 8	3 26.77	+16 1.4	1.274	2.148	16.9	21.4
10 18	3 22.48	+15 13.0	1.200	2.134	12.5	21.1
10 28	3 15.23	+14 13.2	1.147	2.120	7.4	20.8
11 7	3 6.00	+13 7.2	1.118	2.107	2.4	20.4
11 17	2 56.17	+12 2.4	1.115	2.095	5.0	20.6
11 27	2 47.35	+11 7.6	1.137	2.083	10.5	20.8
12 7	2 40.87	+10 29.9	1.181	2.071	15.5	21.1
12 17	2 37.54	+10 12.8	1.245	2.060	19.8	21.3

439925 2001 QX_{255} 11 10.4 63°.19 7°.1/14.9 18

10 8	3 34.09	+36 1.4	1.778	2.563	16.7	20.5
10 18	3 27.34	+36 50.3	1.721	2.582	13.7	20.3
10 28	3 17.82	+37 17.7	1.686	2.602	10.5	20.2
11 7	3 6.60	+37 20.3	1.675	2.622	7.9	20.1
11 17	2 55.09	+36 58.0	1.690	2.642	7.2	20.1
11 27	2 44.80	+36 15.5	1.732	2.663	8.8	20.2
12 7	2 36.89	+35 21.0	1.800	2.683	11.4	20.4
12 17	2 32.02	+34 23.1	1.890	2.703	14.1	20.6

257650 1999 TL_{321} 11 10.4 242°.91 0°.1/10.4 18

10 8	3 31.55	+18 15.3	1.575	2.426	15.4	21.1
10 18	3 25.57	+18 5.9	1.497	2.418	11.5	20.8
10 28	3 16.89	+17 47.2	1.441	2.409	6.8	20.5
11 7	3 6.41	+17 20.9	1.411	2.401	1.8	20.2
11 17	2 55.39	+16 50.6	1.409	2.392	3.5	20.3
11 27	2 45.28	+16 21.5	1.435	2.382	8.5	20.6
12 7	2 37.29	+15 59.1	1.486	2.373	13.1	20.8
12 17	2 32.19	+15 47.6	1.558	2.363	17.0	21.0

89736 2002 AC_{1} 11 10.4 45°.93 3°.6/12.1 18 R

10 8	3 32.33	+25 6.3	1.341	2.186	17.9	18.6
10 18	3 26.36	+25 35.4	1.288	2.200	13.7	18.3
10 28	3 17.36	+25 48.5	1.256	2.214	9.0	18.1
11 7	3 6.50	+25 44.4	1.247	2.229	4.6	17.9
11 17	2 55.34	+25 25.0	1.265	2.245	4.5	18.0
11 27	2 45.54	+24 55.9	1.309	2.261	8.7	18.2
12 7	2 38.36	+24 24.9	1.377	2.277	13.0	18.5
12 17	2 34.47	+23 58.6	1.466	2.294	16.7	18.8

160083 2000 KX_{67} 11 10.4 194°.97 5°.4/ 6.7 18

10 8	3 30.26	+ 2 20.3	2.171	3.015	12.0	21.5
10 18	3 23.76	+ 1 30.7	2.102	3.012	9.2	21.3
10 28	3 15.43	+ 0 45.1	2.058	3.009	6.6	21.2
11 7	3 5.98	+ 0 8.5	2.042	3.005	5.4	21.1
11 17	2 56.28	− 0 14.7	2.055	2.999	6.8	21.2
11 27	2 47.28	− 0 21.5	2.097	2.993	9.4	21.3
12 7	2 39.78	− 0 11.0	2.164	2.987	12.2	21.5
12 17	2 34.33	+ 0 16.0	2.254	2.979	14.7	21.7

75295 1999 XH_{30} 11 10.4 236°.91 4°.9/ 7.9 18

10 8	3 30.26	+ 7 7.2	1.532	2.395	15.1	19.6
10 18	3 24.45	+ 6 25.0	1.465	2.391	11.3	19.3
10 28	3 16.12	+ 5 43.9	1.422	2.387	7.4	19.1
11 7	3 6.20	+ 5 9.4	1.405	2.383	4.9	18.9
11 17	2 55.90	+ 4 47.1	1.414	2.379	6.7	19.0
11 27	2 46.56	+ 4 41.4	1.450	2.374	10.7	19.3
12 7	2 39.26	+ 4 54.1	1.510	2.370	14.6	19.5
12 17	2 34.70	+ 5 24.9	1.590	2.365	18.0	19.7

207798 2007 TR_{189} 11 10.4 225°.69 0°.4/10.1 18

10 8	3 28.58	+17 59.8	1.903	2.749	13.3	20.9
10 18	3 22.93	+17 35.6	1.825	2.744	9.9	20.6
10 28	3 15.12	+17 2.9	1.771	2.739	5.8	20.4
11 7	3 5.94	+16 24.2	1.744	2.733	1.5	20.1
11 17	2 56.41	+15 43.1	1.746	2.727	3.1	20.2
11 27	2 47.64	+15 4.8	1.776	2.721	7.4	20.5
12 7	2 40.60	+14 33.9	1.833	2.715	11.3	20.7
12 17	2 35.91	+14 13.9	1.914	2.708	14.7	20.9

10433 Ponsen 11 10.4 135°.03 1°.8/11.5 18

	h m	° ′			°	m
10 8	3 29.83	+22 52.5	2.064	2.893	13.1	19.0
10 18	3 23.70	+22 59.0	1.992	2.898	9.9	18.8
10 28	3 15.51	+22 55.2	1.944	2.904	6.2	18.6
11 7	3 6.03	+22 41.4	1.923	2.909	2.6	18.4
11 17	2 56.26	+22 19.7	1.932	2.913	2.9	18.5
11 27	2 47.28	+21 53.7	1.970	2.918	6.5	18.7
12 7	2 40.01	+21 28.1	2.035	2.922	10.1	18.9
12 17	2 35.02	+21 7.1	2.124	2.927	13.1	19.1

304457 2006 UB_{23} 11 10.4 251°.93 2°.5/11.9 18

10 8	3 29.55	+24 37.8	1.934	2.763	13.9	20.8
10 18	3 23.75	+24 48.9	1.855	2.760	10.6	20.6
10 28	3 15.66	+24 47.9	1.800	2.757	6.9	20.4
11 7	3 6.10	+24 34.7	1.771	2.753	3.3	20.2
11 17	2 56.12	+24 10.8	1.770	2.750	3.4	20.2
11 27	2 46.93	+23 40.3	1.798	2.747	7.0	20.4
12 7	2 39.53	+23 8.5	1.853	2.744	10.7	20.6
12 17	2 34.60	+22 40.7	1.931	2.740	14.0	20.8

270943 2002 VV_{18} 11 10.4 348°.54 0°.6/10.1 18

10 8	3 26.24	+16 51.6	1.086	1.968	18.5	20.0
10 18	3 22.47	+16 47.5	1.022	1.959	13.7	19.7
10 28	3 15.40	+16 33.9	0.977	1.951	8.2	19.4
11 7	3 6.10	+16 13.7	0.955	1.945	2.1	19.0
11 17	2 56.14	+15 51.4	0.956	1.940	4.4	19.1
11 27	2 47.38	+15 33.5	0.981	1.936	10.4	19.5
12 7	2 41.30	+15 25.9	1.028	1.933	15.8	19.8
12 17	2 38.74	+15 32.4	1.093	1.933	20.3	20.0

441127 2007 TW_{86} 11 10.4 336°.96 1°.8/ 9.5 17

10 8	3 25.93	+14 16.1	1.383	2.256	15.9	20.9
10 18	3 21.68	+13 59.5	1.310	2.242	11.7	20.7
10 28	3 14.70	+13 37.1	1.258	2.230	7.0	20.4
11 7	3 5.90	+13 12.4	1.230	2.219	2.3	20.0
11 17	2 56.52	+12 49.9	1.228	2.208	4.5	20.2
11 27	2 48.05	+12 34.9	1.252	2.199	9.6	20.4
12 7	2 41.72	+12 31.8	1.299	2.190	14.3	20.7
12 17	2 38.31	+12 43.1	1.366	2.183	18.3	20.9

471548 2012 KJ_{50} 11 10.4 90°.87 0°.1/10.4 16

10 8	3 32.26	+19 46.7	1.524	2.373	15.9	21.9
10 18	3 25.72	+19 16.1	1.474	2.393	11.7	21.7
10 28	3 16.71	+18 34.0	1.446	2.414	6.9	21.4
11 7	3 6.32	+17 43.9	1.445	2.434	1.8	21.2
11 17	2 55.86	+16 50.8	1.471	2.454	3.4	21.3
11 27	2 46.67	+16 1.5	1.525	2.473	8.1	21.7
12 7	2 39.74	+15 21.7	1.605	2.492	12.3	21.9
12 17	2 35.61	+14 55.1	1.707	2.510	15.8	22.2

234827 2002 RE_{87} 11 10.4 82°.48 9°.3/ 2.9 17

10 8	3 28.84	− 5 55.8	1.920	2.760	13.5	20.7
10 18	3 22.53	− 8 4.4	1.902	2.793	11.1	20.6
10 28	3 14.55	− 9 58.4	1.910	2.825	9.5	20.6
11 7	3 5.73	−11 29.6	1.945	2.857	9.4	20.6
11 17	2 57.02	−12 32.7	2.006	2.889	10.6	20.8
11 27	2 49.32	−13 5.5	2.092	2.920	12.5	21.0
12 7	2 43.31	−13 9.8	2.200	2.950	14.4	21.2
12 17	2 39.39	−12 49.5	2.326	2.980	16.1	21.4

27873 1995 XP_{1} 11 10.4 311°.45 2°.3/ 9.2 18

10 8	3 27.69	+14 2.5	1.319	2.191	16.5	18.4
10 18	3 23.17	+13 32.5	1.240	2.173	12.2	18.1
10 28	3 15.69	+12 55.2	1.183	2.156	7.3	17.8
11 7	3 6.18	+12 15.0	1.150	2.139	2.7	17.4
11 17	2 55.96	+11 37.6	1.143	2.122	5.1	17.5
11 27	2 46.65	+11 9.9	1.161	2.106	10.4	17.8
12 7	2 39.60	+10 57.1	1.202	2.091	15.4	18.0
12 17	2 35.71	+11 2.0	1.262	2.076	19.7	18.3

511174 2013 YL_{73} 11 10.4 265°.43 6°.0/ 7.4 18

10 8	3 30.09	+ 3 34.8	1.608	2.468	14.7	21.0
10 18	3 24.25	+ 2 56.3	1.540	2.461	11.2	20.8
10 28	3 15.99	+ 2 22.6	1.496	2.454	7.8	20.6
11 7	3 6.19	+ 1 59.5	1.477	2.448	6.0	20.5
11 17	2 56.00	+ 1 51.9	1.485	2.441	7.6	20.5
11 27	2 46.70	+ 2 3.1	1.519	2.434	11.0	20.7
12 7	2 39.34	+ 2 33.8	1.577	2.427	14.6	20.9
12 17	2 34.59	+ 3 22.4	1.656	2.420	17.8	21.1

52606 1997 TM_{13} 11 10.4 108°.76 0°.5/10.7 18

10 8	3 32.06	+20 19.4	1.732	2.573	14.7	20.1
10 18	3 25.43	+20 0.6	1.675	2.590	10.9	19.9
10 28	3 16.51	+19 31.1	1.642	2.607	6.5	19.7
11 7	3 6.28	+18 53.2	1.635	2.624	1.8	19.4
11 17	2 55.92	+18 10.9	1.658	2.640	3.0	19.5
11 27	2 46.66	+17 29.6	1.709	2.656	7.4	19.8
12 7	2 39.43	+16 54.6	1.786	2.671	11.4	20.1
12 17	2 34.80	+16 29.8	1.887	2.686	14.7	20.3

369614 2011 CN_{85} 11 10.4 225°.15 3°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.26	+31 36.1	2.620	3.411	11.7	21.4
10 18	3 21.66	+31 45.1	2.532	3.406	9.3	21.2
10 28	3 14.27	+31 40.4	2.468	3.401	6.8	21.0
11 7	3 5.74	+31 21.3	2.430	3.395	4.5	20.9
11 17	2 56.89	+30 48.9	2.422	3.390	4.0	20.8
11 27	2 48.65	+30 6.2	2.444	3.384	5.9	21.0
12 7	2 41.79	+29 18.1	2.493	3.379	8.5	21.1
12 17	2 36.90	+28 29.6	2.568	3.373	11.0	21.3

304293 2006 SQ_{78} 11 10.4 153°.24 16°.9/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 9.23	+12 45.4	0.619	1.485	30.2	19.9
10 18	3 54.32	+ 4 17.2	0.583	1.509	22.7	19.6
10 28	3 33.78	− 4 36.8	0.577	1.529	17.4	19.4
11 7	3 10.56	−12 33.6	0.603	1.545	18.3	19.6
11 17	2 48.40	−18 28.8	0.658	1.557	23.4	20.0
11 27	2 30.57	−22 9.0	0.735	1.565	28.8	20.4
12 7	2 18.58	−23 58.6	0.825	1.569	33.0	20.7
12 17	2 12.48	−24 29.3	0.922	1.569	35.9	21.1

26544 Ajjarapu 11 10.4 31°.31 3°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.01	+11 19.5	1.573	2.440	14.6	18.5
10 18	3 21.92	+10 40.8	1.516	2.445	10.7	18.3
10 28	3 14.55	+ 9 59.3	1.482	2.452	6.5	18.1
11 7	3 5.81	+ 9 19.8	1.473	2.458	3.2	17.9
11 17	2 56.85	+ 8 47.6	1.492	2.465	5.2	18.1
11 27	2 48.86	+ 8 27.3	1.537	2.473	9.2	18.3
12 7	2 42.81	+ 8 21.8	1.607	2.480	13.1	18.6
12 17	2 39.28	+ 8 32.1	1.697	2.488	16.4	18.8

199891 2007 FG_{34} 11 10.4 142°.53 0°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.54	+18 10.6	1.865	2.709	13.7	21.4
10 18	3 24.26	+17 44.3	1.800	2.718	10.1	21.2
10 28	3 15.83	+17 9.4	1.758	2.726	5.9	21.0
11 7	3 6.14	+16 28.6	1.744	2.734	1.5	20.7
11 17	2 56.23	+15 45.9	1.759	2.741	3.1	20.8
11 27	2 47.24	+15 6.3	1.803	2.748	7.4	21.1
12 7	2 40.09	+14 34.6	1.874	2.754	11.2	21.4
12 17	2 35.33	+14 14.0	1.968	2.760	14.4	21.6

224778 2006 GE_{38} 11 10.4 278°.47 0°.8/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.51	+18 23.1	2.293	3.126	11.8	20.0
10 18	3 24.17	+18 51.6	2.206	3.117	8.8	19.8
10 28	3 15.83	+19 15.3	2.144	3.108	5.4	19.6
11 7	3 6.18	+19 34.0	2.111	3.099	1.7	19.3
11 17	2 56.07	+19 48.2	2.108	3.091	2.6	19.3
11 27	2 46.53	+19 59.8	2.136	3.082	6.3	19.6
12 7	2 38.44	+20 11.3	2.192	3.073	9.7	19.8
12 17	2 32.44	+20 25.3	2.272	3.064	12.7	20.0

72773 2001 FL_{150} 11 10.4 225°.07 1°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.28	+15 21.1	2.621	3.465	10.2	20.4
10 18	3 19.24	+14 21.0	2.538	3.457	7.4	20.3
10 28	3 12.74	+13 14.8	2.481	3.449	4.4	20.0
11 7	3 5.35	+12 5.8	2.454	3.441	1.6	19.8
11 17	2 57.76	+10 58.4	2.457	3.432	3.2	19.9
11 27	2 50.70	+ 9 57.1	2.491	3.424	6.3	20.1
12 7	2 44.82	+ 9 5.7	2.553	3.414	9.3	20.3
12 17	2 40.58	+ 8 26.8	2.639	3.405	11.8	20.5

49455 1998 YO_{22} 11 10.4 344°.31 10°.3/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.35	− 2 46.5	1.256	2.133	16.8	17.3
10 18	3 19.82	− 3 58.6	1.196	2.118	13.7	17.1
10 28	3 13.60	− 4 58.6	1.157	2.104	11.1	16.9
11 7	3 5.64	− 5 36.5	1.141	2.092	10.3	16.8
11 17	2 57.20	− 5 44.5	1.147	2.081	12.0	16.9
11 27	2 49.73	− 5 18.8	1.174	2.072	15.1	17.1
12 7	2 44.40	− 4 21.0	1.222	2.064	18.5	17.3
12 17	2 41.95	− 2 56.3	1.287	2.058	21.7	17.5

405865 2006 DZ_{96} 11 10.4 359°.23 11°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.10	+42 40.3	1.752	2.501	18.2	19.7
10 18	3 30.70	+44 44.7	1.679	2.498	15.9	19.6
10 28	3 20.55	+46 27.7	1.627	2.496	13.7	19.4
11 7	3 7.55	+47 40.3	1.597	2.496	12.0	19.3
11 17	2 53.30	+48 16.9	1.591	2.496	11.5	19.3
11 27	2 39.92	+48 17.8	1.610	2.497	12.4	19.4
12 7	2 29.27	+47 50.4	1.651	2.498	14.2	19.5
12 17	2 22.56	+47 5.2	1.712	2.501	16.3	19.6

369255 2009 FP_{50} 11 10.4 113°.39 3°.8/ 8.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.61	+10 12.2	1.471	2.332	15.7	21.7
10 18	3 26.04	+ 9 27.0	1.420	2.346	11.6	21.5
10 28	3 16.96	+ 8 40.1	1.392	2.360	7.1	21.3
11 7	3 6.44	+ 7 57.0	1.390	2.373	3.9	21.2
11 17	2 55.79	+ 7 23.3	1.415	2.386	5.8	21.3
11 27	2 46.34	+ 7 3.9	1.467	2.398	10.0	21.6
12 7	2 39.13	+ 7 1.3	1.544	2.410	14.0	21.9
12 17	2 34.72	+ 7 15.8	1.641	2.421	17.3	22.1

4617 Zadunaisky 11 10.4 270°.03 0°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.46	+23 50.3	2.417	3.245	11.5	16.5
10 18	3 19.55	+22 57.8	2.331	3.238	8.6	16.3
10 28	3 12.99	+21 52.8	2.270	3.232	5.3	16.1
11 7	3 5.43	+20 37.8	2.238	3.225	1.8	15.8
11 17	2 57.66	+19 16.9	2.236	3.218	2.3	15.8
11 27	2 50.53	+17 55.8	2.264	3.212	5.9	16.1
12 7	2 44.75	+16 40.1	2.321	3.205	9.2	16.3
12 17	2 40.81	+15 34.4	2.403	3.198	12.0	16.5

399253 2014 HF_{30} 11 10.4 315°.35 1°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.64	+13 45.0	1.535	2.398	15.1	20.7
10 18	3 23.46	+13 32.6	1.459	2.387	11.2	20.4
10 28	3 15.69	+13 15.6	1.406	2.377	6.6	20.1
11 7	3 6.19	+12 57.0	1.378	2.367	2.2	19.8
11 17	2 56.16	+12 40.6	1.378	2.357	4.3	19.9
11 27	2 46.99	+12 31.0	1.404	2.348	9.1	20.2
12 7	2 39.84	+12 31.8	1.455	2.339	13.5	20.4
12 17	2 35.48	+12 45.2	1.526	2.331	17.3	20.7

452138 2015 PV_{310} 11 10.4 48°.95 8°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.09	− 2 50.7	1.642	2.495	14.8	20.1
10 18	3 23.16	− 3 32.3	1.601	2.510	11.7	19.9
10 28	3 15.14	− 4 1.8	1.583	2.526	9.1	19.8
11 7	3 5.97	− 4 13.4	1.591	2.541	8.0	19.8
11 17	2 56.72	− 4 3.5	1.624	2.557	9.2	19.9
11 27	2 48.53	− 3 31.0	1.683	2.574	11.7	20.1
12 7	2 42.24	− 2 37.9	1.765	2.590	14.5	20.3
12 17	2 38.36	− 1 27.8	1.867	2.607	16.9	20.5

48297 2002 LJ_{24} 11 10.4 100°.41 7°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.81	− 2 41.8	1.882	2.729	13.4	19.2
10 18	3 22.75	− 3 43.4	1.840	2.744	10.7	19.1
10 28	3 14.83	− 4 34.8	1.822	2.759	8.4	19.0
11 7	3 5.89	− 5 10.1	1.830	2.774	7.6	19.0
11 17	2 56.88	− 5 24.9	1.865	2.789	8.8	19.1
11 27	2 48.79	− 5 17.2	1.926	2.803	11.2	19.3
12 7	2 42.40	− 4 48.0	2.010	2.817	13.7	19.5
12 17	2 38.17	− 4 0.1	2.115	2.830	15.9	19.6

226469 2003 SP_{167} 11 10.4 341°.11 2°.8/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.93	+23 31.3	1.863	2.697	14.1	19.7
10 18	3 23.48	+24 8.4	1.782	2.690	10.8	19.5
10 28	3 15.64	+24 35.7	1.724	2.682	7.0	19.2
11 7	3 6.18	+24 52.1	1.693	2.675	3.5	19.0
11 17	2 56.18	+24 57.8	1.690	2.669	3.6	19.0
11 27	2 46.89	+24 55.3	1.715	2.664	7.2	19.2
12 7	2 39.41	+24 49.0	1.766	2.659	11.0	19.4
12 17	2 34.48	+24 43.6	1.840	2.654	14.4	19.7

53018 1998 VO_{26} 11 10.4 351°.40 2°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.19	+21 45.3	1.100	1.974	18.9	18.7
10 18	3 22.53	+21 55.7	1.036	1.966	14.3	18.4
10 28	3 15.50	+21 51.1	0.990	1.960	9.0	18.0
11 7	3 6.19	+21 32.0	0.967	1.955	3.4	17.7
11 17	2 56.21	+21 1.8	0.967	1.951	4.1	17.8
11 27	2 47.45	+20 27.6	0.991	1.949	9.8	18.1
12 7	2 41.43	+19 57.4	1.037	1.948	15.2	18.4
12 17	2 38.99	+19 37.9	1.101	1.948	19.7	18.6

223451 2003 TP_{19} 11 10.4 90°.26 0°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.21	+16 27.6	2.322	3.165	11.3	20.5
10 18	3 20.70	+16 2.7	2.261	3.180	8.3	20.4
10 28	3 13.60	+15 32.3	2.227	3.195	4.8	20.2
11 7	3 5.58	+14 59.0	2.220	3.209	1.3	19.9
11 17	2 57.44	+14 25.8	2.244	3.224	2.7	20.1
11 27	2 50.02	+13 56.4	2.297	3.238	6.2	20.3
12 7	2 44.00	+13 33.9	2.377	3.252	9.3	20.6
12 17	2 39.83	+13 20.5	2.482	3.266	12.0	20.8

394493 2007 TK_{144} 11 10.4 357°.95 5°.4/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 21.69	+10 24.8	1.226	2.114	16.4	20.2
10 18	3 18.56	+ 8 48.8	1.169	2.109	12.1	20.0
10 28	3 12.81	+ 7 7.1	1.135	2.106	7.7	19.7
11 7	3 5.43	+ 5 30.0	1.124	2.104	5.4	19.6
11 17	2 57.73	+ 4 7.8	1.137	2.103	7.8	19.7
11 27	2 51.09	+ 3 9.5	1.175	2.104	12.1	20.0
12 7	2 46.62	+ 2 39.2	1.234	2.106	16.3	20.3
12 17	2 44.95	+ 2 36.8	1.312	2.110	19.9	20.5

55878 1997 VX_{7} 11 10.4 172°.31 3°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.94	+25 50.0	1.807	2.630	14.9	19.1
10 18	3 26.40	+26 8.7	1.732	2.632	11.5	18.9
10 28	3 17.32	+26 13.8	1.680	2.634	7.6	18.7
11 7	3 6.61	+26 4.4	1.655	2.635	4.0	18.5
11 17	2 55.46	+25 41.7	1.657	2.636	3.9	18.5
11 27	2 45.23	+25 10.0	1.689	2.636	7.5	18.7
12 7	2 37.04	+24 35.5	1.747	2.637	11.3	18.9
12 17	2 31.61	+24 4.2	1.828	2.636	14.7	19.1

22835 Rickgardner 11 10.4 21°.81 3°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.61	+13 32.8	1.248	2.128	16.7	17.9
10 18	3 20.56	+12 20.1	1.199	2.136	12.1	17.7
10 28	3 13.90	+11 0.5	1.172	2.145	7.2	17.4
11 7	3 5.70	+ 9 41.6	1.169	2.156	3.5	17.2
11 17	2 57.32	+ 8 32.2	1.192	2.167	5.9	17.4
11 27	2 50.14	+ 7 40.1	1.240	2.179	10.6	17.7
12 7	2 45.22	+ 7 9.7	1.310	2.192	14.9	18.0
12 17	2 43.11	+ 7 1.8	1.399	2.206	18.5	18.3

449711 2014 MD_{36} 11 10.4 60°.81 8°.6/ 5.1 18

10 8	3 27.23	− 6 53.2	1.957	2.796	13.3	20.3
10 18	3 21.46	− 7 54.9	1.928	2.820	10.9	20.2
10 28	3 14.01	− 8 42.7	1.923	2.844	9.1	20.1
11 7	3 5.68	− 9 10.9	1.943	2.868	8.6	20.1
11 17	2 57.38	− 9 16.3	1.989	2.892	9.6	20.2
11 27	2 50.00	− 8 57.8	2.061	2.916	11.5	20.4
12 7	2 44.23	− 8 17.4	2.155	2.940	13.6	20.6
12 17	2 40.49	− 7 18.8	2.269	2.964	15.4	20.8

330200 2006 EK_{44} 11 10.4 242°.00 4°.9/ 6.5 18

10 8	3 26.20	+ 0 26.6	2.706	3.546	10.0	21.0
10 18	3 20.62	− 0 5.4	2.627	3.533	7.8	20.8
10 28	3 13.57	− 0 32.6	2.573	3.520	5.8	20.6
11 7	3 5.62	− 0 51.2	2.548	3.506	4.9	20.6
11 17	2 57.41	− 0 58.4	2.553	3.492	5.9	20.6
11 27	2 49.67	− 0 51.9	2.586	3.477	8.1	20.7
12 7	2 43.05	− 0 31.3	2.646	3.463	10.4	20.9
12 17	2 38.02	+ 0 2.9	2.729	3.447	12.6	21.0

325590 2009 SQ_{154} 11 10.4 36°.99 0°.2/10.5 18

10 8	3 26.68	+18 44.0	1.959	2.806	13.0	21.3
10 18	3 21.43	+18 33.8	1.893	2.812	9.6	21.1
10 28	3 14.21	+18 15.7	1.851	2.819	5.7	20.8
11 7	3 5.79	+17 51.8	1.836	2.826	1.5	20.6
11 17	2 57.13	+17 25.0	1.850	2.833	2.8	20.7
11 27	2 49.27	+16 59.2	1.892	2.840	6.8	21.0
12 7	2 43.06	+16 38.7	1.961	2.847	10.4	21.2
12 17	2 39.04	+16 26.3	2.053	2.855	13.5	21.4

34478 2000 SR_{120} 11 10.4 350°.34 1°.5/ 9.4 18

10 8	3 26.61	+14 18.0	1.984	2.837	12.6	19.3
10 18	3 21.36	+13 53.7	1.913	2.837	9.2	19.1
10 28	3 14.17	+13 24.8	1.867	2.836	5.4	18.9
11 7	3 5.79	+12 54.1	1.847	2.836	1.8	18.6
11 17	2 57.13	+12 25.3	1.857	2.835	3.6	18.7
11 27	2 49.20	+12 2.4	1.895	2.835	7.4	19.0
12 7	2 42.85	+11 48.7	1.959	2.835	11.0	19.2
12 17	2 38.64	+11 46.3	2.046	2.835	14.0	19.4

381406 2008 HQ_{32} 11 10.4 57°.18 3°.6/ 8.1 18

10 8	3 28.06	+13 36.3	1.308	2.181	16.6	20.0
10 18	3 22.90	+12 9.6	1.262	2.196	12.0	19.7
10 28	3 15.18	+10 36.0	1.239	2.211	7.2	19.5
11 7	3 6.03	+ 9 3.8	1.241	2.226	3.7	19.4
11 17	2 56.79	+ 7 42.1	1.269	2.242	6.1	19.5
11 27	2 48.85	+ 6 39.1	1.323	2.257	10.5	19.8
12 7	2 43.20	+ 5 59.2	1.401	2.273	14.7	20.1
12 17	2 40.35	+ 5 43.0	1.498	2.289	18.2	20.4

366374 2000 SO_{171} 11 10.4 64°.54 6°.1/13.7 17

10 8	3 36.79	+31 16.0	1.200	2.029	20.6	20.5
10 18	3 29.88	+31 41.1	1.158	2.055	16.2	20.3
10 28	3 19.50	+31 40.5	1.135	2.081	11.4	20.1
11 7	3 7.15	+31 12.5	1.135	2.107	7.2	19.9
11 17	2 54.75	+30 20.1	1.160	2.133	6.4	20.0
11 27	2 44.21	+29 12.5	1.210	2.159	9.6	20.2
12 7	2 36.84	+28 1.5	1.284	2.185	13.7	20.5
12 17	2 33.19	+26 57.0	1.379	2.211	17.3	20.8

362305 2009 SE_{349} 11 10.4 68°.64 0°.4/10.1 18

10 8	3 28.47	+17 35.2	2.091	2.933	12.5	21.4
10 18	3 22.38	+17 12.2	2.045	2.963	9.1	21.2
10 28	3 14.58	+16 42.7	2.025	2.993	5.3	21.0
11 7	3 5.86	+16 9.3	2.033	3.022	1.3	20.8
11 17	2 57.14	+15 35.4	2.070	3.051	2.7	21.0
11 27	2 49.32	+15 4.9	2.137	3.080	6.4	21.3
12 7	2 43.13	+14 41.3	2.231	3.109	9.7	21.5
12 17	2 38.99	+14 26.9	2.348	3.138	12.4	21.8

71811 2000 TG_{28} 11 10.4 148°.96 3°.4/12.2 18

10 8	3 35.06	+26 19.9	1.613	2.438	16.3	20.3
10 18	3 28.14	+26 31.9	1.545	2.446	12.6	20.0
10 28	3 18.41	+26 27.8	1.499	2.453	8.3	19.8
11 7	3 6.92	+26 6.8	1.478	2.459	4.3	19.6
11 17	2 55.04	+25 31.0	1.486	2.465	4.1	19.6
11 27	2 44.31	+24 46.1	1.521	2.470	8.0	19.8
12 7	2 35.93	+23 59.5	1.583	2.475	12.1	20.1
12 17	2 30.60	+23 18.4	1.667	2.479	15.7	20.3

42641 1998 FD_{65} 11 10.4 120°.73 1°.4/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.32	+16 35.3	1.586	2.439	15.2	19.3
10 18	3 25.06	+15 49.1	1.528	2.452	11.1	19.1
10 28	3 16.41	+14 54.1	1.494	2.464	6.5	18.8
11 7	3 6.37	+13 54.8	1.486	2.475	1.9	18.6
11 17	2 56.16	+12 57.0	1.507	2.486	4.0	18.7
11 27	2 47.08	+12 7.3	1.555	2.497	8.6	19.0
12 7	2 40.11	+11 30.6	1.629	2.507	12.7	19.3
12 17	2 35.81	+11 9.9	1.725	2.517	16.1	19.6

373262 2012 HW_5 11 10.4 158°.16 4°.8/ 6.0 18

10 8	3 24.08	+ 1 13.5	2.752	3.597	9.7	21.6
10 18	3 18.95	+ 0 22.0	2.692	3.601	7.5	21.5
10 28	3 12.53	− 0 25.2	2.659	3.606	5.6	21.4
11 7	3 5.35	− 1 4.2	2.653	3.610	4.8	21.3
11 17	2 58.05	− 1 31.7	2.677	3.613	5.9	21.4
11 27	2 51.27	− 1 45.2	2.729	3.617	7.9	21.5
12 7	2 45.60	− 1 44.0	2.808	3.620	10.0	21.7
12 17	2 41.42	− 1 28.5	2.909	3.622	12.0	21.8

288183 2003 WW_{193} 11 10.4 26°.74 0°.5/10.7 18

10 8	3 28.13	+19 50.8	1.543	2.397	15.5	20.9
10 18	3 22.97	+19 38.2	1.480	2.402	11.5	20.7
10 28	3 15.32	+19 14.8	1.439	2.407	6.9	20.4
11 7	3 6.12	+18 42.8	1.423	2.412	1.9	20.1
11 17	2 56.62	+18 6.1	1.435	2.418	3.2	20.2
11 27	2 48.14	+17 30.3	1.474	2.425	8.0	20.5
12 7	2 41.75	+17 1.1	1.538	2.431	12.3	20.8
12 17	2 38.08	+16 42.5	1.623	2.438	15.9	21.1

407587 2011 AF_{55} 11 10.4 105°.09 4°.6/ 7.1 18

10 8	3 25.80	+ 3 41.3	2.307	3.158	11.1	21.0
10 18	3 20.42	+ 3 3.2	2.248	3.164	8.4	20.8
10 28	3 13.47	+ 2 28.8	2.214	3.170	5.8	20.7
11 7	3 5.61	+ 2 2.1	2.208	3.176	4.6	20.6
11 17	2 57.60	+ 1 46.4	2.230	3.182	5.8	20.7
11 27	2 50.24	+ 1 44.1	2.281	3.188	8.3	20.9
12 7	2 44.21	+ 1 56.2	2.358	3.193	10.9	21.1
12 17	2 39.98	+ 2 22.1	2.457	3.199	13.2	21.2

27958 Giussano 11 10.4 16°.81 2°.4/ 9.3 18

10 8	3 25.22	+14 49.2	1.049	1.936	18.5	17.6
10 18	3 21.46	+14 10.3	1.003	1.943	13.6	17.3
10 28	3 14.64	+13 23.3	0.976	1.951	8.0	17.1
11 7	3 5.96	+12 34.3	0.972	1.960	2.8	16.8
11 17	2 57.01	+11 50.8	0.991	1.971	5.3	17.0
11 27	2 49.45	+11 20.1	1.034	1.984	10.8	17.3
12 7	2 44.52	+11 7.1	1.099	1.997	15.7	17.7
12 17	2 42.82	+11 13.2	1.182	2.012	19.7	18.0

402306 2005 TK_{35} 11 10.4 311°.55 1°.6/ 9.4 17

10 8	3 26.43	+14 30.9	1.974	2.827	12.6	21.7
10 18	3 21.26	+14 1.5	1.901	2.824	9.3	21.5
10 28	3 14.14	+13 26.9	1.853	2.822	5.4	21.2
11 7	3 5.81	+12 50.4	1.832	2.820	1.9	21.0
11 17	2 57.19	+12 15.7	1.839	2.818	3.6	21.1
11 27	2 49.30	+11 47.2	1.876	2.815	7.5	21.4
12 7	2 42.99	+11 28.5	1.938	2.813	11.1	21.6
12 17	2 38.83	+11 21.8	2.023	2.811	14.2	21.8

158812 2003 TX_{57} 11 10.4 74°.43 4°.3/ 7.0 18

10 8	3 24.34	+ 6 7.9	2.225	3.081	11.3	19.9
10 18	3 19.41	+ 5 11.6	2.166	3.087	8.4	19.7
10 28	3 12.90	+ 4 16.7	2.132	3.093	5.7	19.6
11 7	3 5.47	+ 3 27.8	2.127	3.099	4.3	19.5
11 17	2 57.89	+ 2 49.4	2.150	3.106	5.6	19.6
11 27	2 50.97	+ 2 24.9	2.201	3.112	8.3	19.8
12 7	2 45.41	+ 2 15.9	2.278	3.118	11.1	19.9
12 17	2 41.66	+ 2 22.6	2.377	3.125	13.5	20.1

487515 2014 TW_{66} 11 10.4 109°.31 4°.9/14.3 18

10 8	3 30.97	+33 51.4	2.530	3.306	12.5	20.9
10 18	3 24.44	+34 24.4	2.458	3.319	10.1	20.7
10 28	3 15.96	+34 42.7	2.411	3.331	7.6	20.6
11 7	3 6.28	+34 44.4	2.390	3.343	5.5	20.5
11 17	2 56.31	+34 30.0	2.397	3.355	5.0	20.4
11 27	2 47.07	+34 2.1	2.435	3.366	6.5	20.6
12 7	2 39.42	+33 25.6	2.499	3.378	8.8	20.7
12 17	2 33.93	+32 46.0	2.589	3.389	11.1	20.9

283640 2002 GC_{16} 11 10.4 189°.11 1°.2/11.1 18

10 8	3 30.74	+21 25.7	1.899	2.734	13.8	20.8
10 18	3 24.61	+21 25.1	1.823	2.734	10.4	20.5
10 28	3 16.21	+21 14.2	1.770	2.733	6.4	20.3
11 7	3 6.36	+20 53.9	1.745	2.732	2.2	20.0
11 17	2 56.15	+20 26.6	1.749	2.731	2.9	20.1
11 27	2 46.76	+19 56.6	1.781	2.729	7.1	20.4
12 7	2 39.18	+19 28.9	1.840	2.728	11.0	20.6
12 17	2 34.08	+19 8.0	1.923	2.725	14.3	20.8

107380 2001 CY_{38} 11 10.4 321°.24 4°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.42	+ 5 28.0	1.945	2.801	12.7	18.8
10 18	3 22.01	+ 5 8.2	1.872	2.793	9.5	18.6
10 28	3 14.61	+ 4 51.5	1.824	2.786	6.3	18.4
11 7	3 5.95	+ 4 41.8	1.802	2.779	4.3	18.3
11 17	2 56.95	+ 4 42.5	1.809	2.772	5.8	18.4
11 27	2 48.64	+ 4 56.1	1.843	2.765	9.0	18.5
12 7	2 41.91	+ 5 23.6	1.903	2.759	12.2	18.7
12 17	2 37.34	+ 6 4.5	1.985	2.753	15.1	18.9

471957 2013 SB_{45} 11 10.4 161°.67 1°.5/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.85	+16 4.1	1.608	2.461	15.1	22.2
10 18	3 25.54	+15 23.1	1.543	2.466	11.1	22.0
10 28	3 16.77	+14 33.7	1.501	2.470	6.5	21.7
11 7	3 6.50	+13 40.1	1.485	2.474	2.0	21.5
11 17	2 55.95	+12 47.6	1.498	2.477	4.1	21.6
11 27	2 46.44	+12 2.5	1.539	2.480	8.7	21.9
12 7	2 39.02	+11 29.9	1.605	2.482	12.9	22.2
12 17	2 34.32	+11 12.7	1.693	2.483	16.4	22.4

438912 2009 YH_{13} 11 10.4 229°.73 2°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.07	+12 51.4	1.855	2.708	13.3	21.6
10 18	3 23.35	+12 11.0	1.777	2.700	9.8	21.3
10 28	3 15.46	+11 25.6	1.723	2.692	5.9	21.1
11 7	3 6.18	+10 39.4	1.697	2.683	2.6	20.9
11 17	2 56.52	+ 9 57.0	1.699	2.674	4.4	21.0
11 27	2 47.61	+ 9 23.5	1.730	2.664	8.5	21.2
12 7	2 40.42	+ 9 2.8	1.786	2.654	12.3	21.4
12 17	2 35.59	+ 8 57.0	1.865	2.644	15.6	21.6

205985 2002 NY_{58} 11 10.4 15°.02 1°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.54	+21 44.7	1.573	2.424	15.4	19.8
10 18	3 22.55	+21 26.5	1.506	2.426	11.5	19.5
10 28	3 15.09	+20 55.4	1.462	2.428	7.0	19.3
11 7	3 6.08	+20 13.3	1.442	2.430	2.3	19.0
11 17	2 56.74	+19 24.6	1.450	2.433	3.2	19.1
11 27	2 48.40	+18 35.3	1.485	2.437	7.9	19.4
12 7	2 42.11	+17 52.1	1.545	2.440	12.2	19.6
12 17	2 38.52	+17 19.9	1.627	2.444	15.8	19.9

412351 2013 LO_{11} 11 10.4 86°.71 1°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.69	+15 43.3	2.368	3.213	11.1	21.5
10 18	3 20.25	+14 53.7	2.314	3.234	8.0	21.3
10 28	3 13.32	+13 58.9	2.287	3.255	4.7	21.2
11 7	3 5.58	+13 2.5	2.288	3.276	1.5	21.0
11 17	2 57.79	+12 8.3	2.319	3.297	3.1	21.1
11 27	2 50.74	+11 20.8	2.380	3.317	6.3	21.4
12 7	2 45.06	+10 43.0	2.469	3.337	9.3	21.6
12 17	2 41.16	+10 17.1	2.582	3.357	11.8	21.8

399338 2000 CA_{109} 11 10.4 286°.60 1°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.49	+22 7.9	1.803	2.644	14.2	21.3
10 18	3 23.13	+22 1.1	1.723	2.637	10.7	21.1
10 28	3 15.42	+21 42.6	1.667	2.630	6.6	20.8
11 7	3 6.20	+21 13.6	1.636	2.623	2.4	20.5
11 17	2 56.54	+20 36.8	1.634	2.616	3.0	20.6
11 27	2 47.68	+19 57.2	1.660	2.610	7.3	20.8
12 7	2 40.66	+19 20.5	1.711	2.603	11.4	21.0
12 17	2 36.16	+18 51.7	1.786	2.596	14.9	21.3

98635 2000 WA_{114} 11 10.4 315°.45 2°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.08	+23 18.7	1.516	2.365	16.0	18.9
10 18	3 23.28	+23 14.9	1.436	2.353	12.2	18.7
10 28	3 15.73	+22 56.6	1.377	2.341	7.7	18.4
11 7	3 6.31	+22 24.4	1.343	2.329	3.1	18.1
11 17	2 56.31	+21 41.3	1.336	2.318	3.5	18.1
11 27	2 47.19	+20 53.5	1.355	2.308	8.3	18.4
12 7	2 40.23	+20 8.3	1.399	2.298	12.9	18.6
12 17	2 36.21	+19 32.1	1.464	2.288	16.9	18.8

407120 2009 SO_{326} 11 10.4 331°.79 3°.1/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.64	+ 8 59.8	1.575	2.441	14.6	19.9
10 18	3 22.93	+ 9 9.5	1.482	2.411	11.0	19.7
10 28	3 15.57	+ 9 21.7	1.412	2.382	6.8	19.3
11 7	3 6.31	+ 9 39.2	1.368	2.353	3.3	19.1
11 17	2 56.23	+10 4.6	1.350	2.326	5.1	19.1
11 27	2 46.73	+10 40.1	1.359	2.300	9.6	19.3
12 7	2 39.07	+11 27.0	1.392	2.275	14.1	19.5
12 17	2 34.15	+12 25.4	1.446	2.251	18.1	19.7

407455 2010 UK_{37} 11 10.4 46°.46 0°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.91	+18 1.3	1.894	2.738	13.5	20.6
10 18	3 23.90	+18 17.9	1.830	2.747	10.0	20.4
10 28	3 15.74	+18 28.1	1.789	2.756	6.0	20.1
11 7	3 6.26	+18 32.7	1.776	2.764	1.7	19.9
11 17	2 56.49	+18 33.3	1.791	2.774	2.8	20.0
11 27	2 47.57	+18 32.7	1.835	2.783	7.0	20.3
12 7	2 40.43	+18 34.3	1.906	2.792	10.7	20.5
12 17	2 35.66	+18 41.0	2.000	2.802	13.8	20.7

264193 2010 GL_{125} 11 10.4 230°.68 0°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.79	+19 35.5	1.855	2.699	13.7	21.0
10 18	3 23.21	+19 12.0	1.777	2.694	10.2	20.8
10 28	3 15.41	+18 38.3	1.722	2.689	6.1	20.5
11 7	3 6.19	+17 56.8	1.694	2.684	1.6	20.2
11 17	2 56.60	+17 11.2	1.695	2.678	3.0	20.3
11 27	2 47.81	+16 26.8	1.725	2.672	7.4	20.6
12 7	2 40.79	+15 49.0	1.781	2.666	11.4	20.8
12 17	2 36.19	+15 21.9	1.860	2.660	14.8	21.0

170070 2002 VD_{121} 11 10.4 12°.74 4°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.79	+30 38.5	1.368	2.205	18.1	18.9
10 18	3 21.73	+30 35.1	1.306	2.209	14.3	18.7
10 28	3 14.78	+30 8.2	1.264	2.214	10.0	18.5
11 7	3 6.04	+29 17.8	1.245	2.220	6.0	18.3
11 17	2 56.95	+28 7.7	1.250	2.227	5.2	18.3
11 27	2 49.10	+26 46.3	1.282	2.236	8.6	18.5
12 7	2 43.66	+25 24.0	1.338	2.245	12.7	18.7
12 17	2 41.31	+24 10.0	1.415	2.256	16.5	19.0

277821 2006 GY_{29} 11 10.4 205°.21 5°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.41	− 1 44.6	2.936	3.771	9.5	20.4
10 18	3 19.91	− 2 21.3	2.867	3.767	7.5	20.3
10 28	3 13.12	− 2 52.0	2.824	3.761	5.8	20.2
11 7	3 5.56	− 3 13.4	2.809	3.756	5.2	20.1
11 17	2 57.82	− 3 22.7	2.823	3.750	6.1	20.2
11 27	2 50.56	− 3 18.0	2.866	3.743	7.9	20.3
12 7	2 44.33	− 2 59.1	2.936	3.737	9.9	20.4
12 17	2 39.56	− 2 26.7	3.028	3.729	11.8	20.6

272157 2005 NU_{81} 11 10.4 328°.26 5°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.04	+29 41.8	1.367	2.201	18.2	20.2
10 18	3 25.11	+29 56.4	1.293	2.195	14.4	20.0
10 28	3 16.96	+29 49.4	1.239	2.189	10.1	19.7
11 7	3 6.66	+29 19.0	1.208	2.183	6.2	19.5
11 17	2 55.72	+28 26.9	1.202	2.178	5.5	19.4
11 27	2 45.93	+27 20.2	1.222	2.173	9.2	19.6
12 7	2 38.73	+26 9.1	1.265	2.169	13.6	19.9
12 17	2 34.93	+25 3.5	1.330	2.165	17.6	20.1

119308 2001 SR_{51} 11 10.4 5°.64 5°.7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.23	+ 7 52.0	1.269	2.149	16.5	19.3
10 18	3 21.83	+ 6 41.3	1.215	2.149	12.3	19.0
10 28	3 14.76	+ 5 30.1	1.181	2.149	8.1	18.8
11 7	3 6.03	+ 4 26.7	1.172	2.150	5.7	18.7
11 17	2 56.99	+ 3 39.3	1.188	2.152	7.8	18.8
11 27	2 49.08	+ 3 14.1	1.228	2.155	12.0	19.0
12 7	2 43.40	+ 3 13.3	1.290	2.158	16.1	19.3
12 17	2 40.62	+ 3 35.9	1.371	2.162	19.6	19.5

408771 1998 US_{50} 11 10.4 358°.09 1°.1/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.41	+20 7.9	2.044	2.882	12.8	21.3
10 18	3 22.80	+20 24.3	1.968	2.882	9.6	21.1
10 28	3 15.12	+20 33.2	1.917	2.881	5.9	20.9
11 7	3 6.12	+20 35.0	1.893	2.880	2.0	20.6
11 17	2 56.76	+20 31.0	1.898	2.880	2.7	20.7
11 27	2 48.10	+20 24.2	1.932	2.880	6.6	20.9
12 7	2 41.06	+20 18.1	1.993	2.881	10.2	21.1
12 17	2 36.26	+20 16.2	2.077	2.881	13.3	21.4

398834 2013 CP_{10} 11 10.4 278°.74 0°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.71	+16 1.4	1.839	2.689	13.5	21.0
10 18	3 23.15	+15 50.2	1.763	2.684	10.0	20.7
10 28	3 15.38	+15 32.9	1.710	2.679	5.9	20.5
11 7	3 6.20	+15 11.7	1.685	2.674	1.6	20.2
11 17	2 56.62	+14 49.9	1.688	2.669	3.3	20.3
11 27	2 47.82	+14 31.4	1.720	2.665	7.6	20.6
12 7	2 40.76	+14 20.2	1.778	2.660	11.6	20.8
12 17	2 36.10	+14 18.9	1.858	2.655	14.9	21.0

452115 2014 RJ_{1} 11 10.4 51°.46 4°.8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.69	+ 5 20.1	2.075	2.934	11.9	21.4
10 18	3 19.80	+ 4 19.7	2.016	2.937	8.9	21.3
10 28	3 13.20	+ 3 21.2	1.982	2.941	6.1	21.1
11 7	3 5.60	+ 2 30.0	1.975	2.945	4.8	21.0
11 17	2 57.82	+ 1 50.7	1.997	2.950	6.2	21.1
11 27	2 50.75	+ 1 27.2	2.046	2.954	9.0	21.3
12 7	2 45.12	+ 1 20.9	2.119	2.958	11.8	21.5
12 17	2 41.42	+ 1 31.6	2.215	2.963	14.3	21.7

240168 2002 PU_{120} 11 10.4 63°.95 0°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.67	+19 18.5	1.616	2.466	15.1	20.9
10 18	3 23.74	+18 45.9	1.569	2.490	11.0	20.7
10 28	3 15.58	+18 3.1	1.545	2.514	6.5	20.5
11 7	3 6.20	+17 13.8	1.548	2.537	1.6	20.3
11 17	2 56.78	+16 22.8	1.579	2.561	3.2	20.5
11 27	2 48.53	+15 36.2	1.638	2.585	7.7	20.8
12 7	2 42.32	+14 59.0	1.722	2.609	11.6	21.1
12 17	2 38.66	+14 34.6	1.829	2.632	14.9	21.3

510249 2011 GF_{28} 11 10.4 177°.93 1°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.63	+15 13.0	1.924	2.772	13.1	22.7
10 18	3 23.62	+14 24.5	1.853	2.774	9.6	22.5
10 28	3 15.55	+13 29.1	1.807	2.776	5.7	22.3
11 7	3 6.23	+12 30.7	1.788	2.776	2.0	22.0
11 17	2 56.66	+11 34.5	1.799	2.776	3.9	22.2
11 27	2 47.92	+10 45.7	1.839	2.776	7.9	22.4
12 7	2 40.90	+10 9.0	1.906	2.775	11.6	22.6
12 17	2 36.17	+ 9 46.9	1.995	2.773	14.7	22.8

184736 2005 SV_{204} 11 10.4 75°.65 2°.0/ 9.4 18

10 8	3 32.82	+13 59.0	1.438	2.298	16.1	20.6
10 18	3 26.18	+13 29.7	1.396	2.322	11.7	20.4
10 28	3 17.06	+12 55.5	1.376	2.346	6.9	20.2
11 7	3 6.59	+12 20.4	1.382	2.370	2.4	19.9
11 17	2 56.10	+11 49.4	1.415	2.394	4.4	20.1
11 27	2 46.93	+11 27.5	1.476	2.417	9.0	20.5
12 7	2 40.08	+11 18.1	1.562	2.441	13.1	20.8
12 17	2 36.05	+11 22.6	1.668	2.464	16.4	21.1

329043 2011 AY_{43} 11 10.4 330°.47 5°.3/ 6.9 18

10 8	3 25.21	+ 3 26.7	1.988	2.846	12.4	20.4
10 18	3 20.33	+ 2 43.0	1.920	2.840	9.4	20.2
10 28	3 13.60	+ 2 3.2	1.877	2.834	6.6	20.0
11 7	3 5.73	+ 1 32.2	1.860	2.828	5.3	19.9
11 17	2 57.58	+ 1 14.3	1.871	2.822	6.7	20.0
11 27	2 50.11	+ 1 12.7	1.909	2.817	9.5	20.2
12 7	2 44.12	+ 1 28.5	1.971	2.812	12.5	20.4
12 17	2 40.17	+ 2 0.7	2.055	2.808	15.2	20.5

181242 2005 UO_{24} 11 10.4 67°.99 0°.5/10.8 18

10 8	3 26.95	+20 53.6	1.957	2.799	13.2	20.1
10 18	3 21.64	+20 26.5	1.893	2.809	9.8	19.9
10 28	3 14.36	+19 49.1	1.853	2.819	5.9	19.7
11 7	3 5.93	+19 3.8	1.840	2.829	1.7	19.4
11 17	2 57.32	+18 14.5	1.856	2.839	2.7	19.5
11 27	2 49.56	+17 26.3	1.901	2.849	6.7	19.8
12 7	2 43.48	+16 44.3	1.973	2.860	10.4	20.0
12 17	2 39.60	+16 12.2	2.068	2.870	13.4	20.2

397219 2006 HY_{72} 11 10.4 93°.44 3°.0/ 8.9 18

10 8	3 30.85	+ 9 44.2	1.739	2.594	14.0	20.6
10 18	3 24.67	+ 9 33.8	1.675	2.598	10.3	20.4
10 28	3 16.25	+ 9 23.3	1.635	2.602	6.3	20.1
11 7	3 6.44	+ 9 15.9	1.622	2.606	3.1	19.9
11 17	2 56.34	+ 9 14.7	1.637	2.610	4.8	20.1
11 27	2 47.14	+ 9 22.6	1.680	2.614	8.7	20.3
12 7	2 39.80	+ 9 41.3	1.748	2.618	12.4	20.5
12 17	2 34.95	+10 11.4	1.839	2.622	15.6	20.8

233984 1995 SF_{16} 11 10.4 116°.29 0°.7/ 9.9 18

10 8	3 30.22	+17 24.7	1.930	2.774	13.3	21.9
10 18	3 23.95	+16 53.6	1.871	2.789	9.7	21.7
10 28	3 15.68	+16 14.9	1.837	2.805	5.7	21.5
11 7	3 6.27	+15 31.7	1.830	2.820	1.5	21.3
11 17	2 56.74	+14 48.0	1.853	2.834	3.1	21.4
11 27	2 48.13	+14 8.7	1.905	2.848	7.2	21.7
12 7	2 41.28	+13 38.0	1.984	2.861	10.8	21.9
12 17	2 36.72	+13 18.6	2.086	2.874	13.8	22.2

265063 2003 SP_{45} 11 10.4 35°.95 4°.1/12.9 17

10 8	3 30.47	+28 33.4	2.122	2.931	13.5	19.7
10 18	3 24.41	+29 12.4	2.048	2.935	10.6	19.6
10 28	3 16.14	+29 38.5	1.997	2.940	7.5	19.4
11 7	3 6.44	+29 50.2	1.973	2.944	4.7	19.2
11 17	2 56.34	+29 47.4	1.977	2.948	4.4	19.2
11 27	2 46.99	+29 32.9	2.010	2.953	6.8	19.4
12 7	2 39.37	+29 11.6	2.070	2.958	9.9	19.6
12 17	2 34.13	+28 48.7	2.155	2.963	12.8	19.8

249992 2001 XM_{90} 11 10.4 32°.13 1°.7/11.6 18

10 8	3 26.99	+23 57.6	1.780	2.619	14.4	20.4
10 18	3 21.95	+23 36.8	1.712	2.624	10.9	20.1
10 28	3 14.68	+23 2.2	1.667	2.629	6.8	19.9
11 7	3 6.06	+22 15.5	1.648	2.634	2.7	19.7
11 17	2 57.18	+21 20.6	1.657	2.639	3.0	19.7
11 27	2 49.22	+20 23.4	1.694	2.645	7.1	20.0
12 7	2 43.11	+19 30.4	1.757	2.651	11.0	20.2
12 17	2 39.45	+18 46.7	1.844	2.658	14.3	20.5

415404 2013 PB_{11} 11 10.4 191°.23 2°.5/12.8 17

10 8	3 26.18	+28 34.0	2.750	3.552	10.9	21.6
10 18	3 20.74	+28 12.9	2.664	3.551	8.5	21.5
10 28	3 13.74	+27 39.3	2.603	3.550	5.7	21.3
11 7	3 5.80	+26 53.8	2.571	3.548	3.1	21.1
11 17	2 57.65	+25 58.7	2.568	3.546	2.8	21.1
11 27	2 50.11	+24 57.9	2.596	3.543	5.2	21.3
12 7	2 43.84	+23 56.4	2.654	3.540	8.0	21.4
12 17	2 39.33	+22 58.6	2.737	3.537	10.6	21.6

203151 2000 WV_{10} 11 10.4 271°.33 7°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.86	− 1 9.3	1.763	2.613	14.0	20.0
10 18	3 24.01	− 1 51.7	1.693	2.603	11.1	19.8
10 28	3 15.92	− 2 25.5	1.647	2.592	8.5	19.6
11 7	3 6.40	− 2 44.6	1.626	2.581	7.4	19.5
11 17	2 56.50	− 2 44.3	1.632	2.571	8.7	19.6
11 27	2 47.37	− 2 21.8	1.665	2.560	11.5	19.8
12 7	2 40.01	− 1 37.8	1.721	2.549	14.6	19.9
12 17	2 35.06	− 0 34.7	1.798	2.538	17.5	20.1

378036 2006 SD_{398} 11 10.4 291°.10 0°.6/10.2 18

10 8	3 32.72	+15 41.1	1.436	2.294	16.2	21.0
10 18	3 26.72	+15 50.0	1.364	2.289	12.1	20.7
10 28	3 17.80	+15 53.3	1.314	2.284	7.2	20.4
11 7	3 6.93	+15 52.4	1.289	2.279	1.9	20.1
11 17	2 55.48	+15 49.8	1.291	2.274	3.8	20.2
11 27	2 45.02	+15 49.4	1.321	2.269	9.1	20.5
12 7	2 36.85	+15 55.3	1.374	2.264	13.8	20.8
12 17	2 31.79	+16 10.5	1.449	2.259	17.8	21.0

459375 2012 JR_{41} 11 10.4 332°.51 9°.9/ 1.8 18

10 8	3 24.42	−13 49.9	2.321	3.135	12.3	20.5
10 18	3 19.51	−15 5.0	2.274	3.133	10.9	20.4
10 28	3 13.02	−16 4.7	2.251	3.131	10.0	20.4
11 7	3 5.61	−16 43.1	2.252	3.129	10.0	20.4
11 17	2 58.04	−16 56.2	2.278	3.127	10.9	20.4
11 27	2 51.11	−16 42.6	2.328	3.125	12.4	20.5
12 7	2 45.50	−16 3.9	2.398	3.124	14.0	20.7
12 17	2 41.67	−15 3.5	2.486	3.122	15.5	20.8

77908 2001 TW_{203} 11 10.4 218°.78 8°.5/ 1.8 18

10 8	3 25.51	− 7 12.2	2.322	3.155	11.7	19.7
10 18	3 20.33	− 9 2.2	2.264	3.148	9.9	19.6
10 28	3 13.54	−10 42.6	2.232	3.141	8.7	19.5
11 7	3 5.76	−12 6.4	2.227	3.133	8.7	19.5
11 17	2 57.75	−13 7.7	2.249	3.125	9.9	19.6
11 27	2 50.34	−13 43.0	2.297	3.116	11.8	19.7
12 7	2 44.22	−13 52.1	2.366	3.107	13.7	19.8
12 17	2 39.90	−13 37.3	2.454	3.098	15.5	20.0

68955 2002 RR_{12} 11 10.4 346°.49 0°.1/10.4 17

10 8	3 24.84	+18 27.7	1.989	2.838	12.7	19.2
10 18	3 20.21	+18 10.6	1.913	2.833	9.4	19.0
10 28	3 13.62	+17 45.5	1.861	2.829	5.6	18.8
11 7	3 5.80	+17 14.7	1.836	2.825	1.4	18.5
11 17	2 57.67	+16 41.4	1.839	2.821	2.8	18.6
11 27	2 50.22	+16 10.0	1.870	2.818	6.9	18.8
12 7	2 44.33	+15 44.5	1.928	2.816	10.6	19.0
12 17	2 40.56	+15 28.3	2.010	2.813	13.7	19.2

444620 2006 VT_{88} 11 10.4 86°.39 1°.7/11.6 18

10 8	3 28.30	+23 35.7	1.944	2.777	13.6	21.4
10 18	3 22.74	+23 23.1	1.876	2.784	10.3	21.2
10 28	3 15.09	+22 58.3	1.830	2.791	6.4	21.0
11 7	3 6.17	+22 22.6	1.812	2.798	2.6	20.8
11 17	2 57.01	+21 39.1	1.822	2.805	2.9	20.8
11 27	2 48.70	+20 52.7	1.862	2.811	6.7	21.1
12 7	2 42.15	+20 9.1	1.927	2.818	10.4	21.3
12 17	2 37.92	+19 32.9	2.017	2.825	13.5	21.6

316370 2010 SZ_{30} 11 10.4 345°.56 8°.9/15.7 17

10 8	3 31.40	+39 0.5	1.724	2.502	17.4	20.2
10 18	3 26.04	+40 4.3	1.646	2.496	14.8	20.0
10 28	3 17.56	+40 46.0	1.588	2.491	12.0	19.8
11 7	3 6.91	+41 0.0	1.553	2.486	9.7	19.7
11 17	2 55.51	+40 44.4	1.542	2.482	8.9	19.6
11 27	2 45.09	+40 2.1	1.556	2.479	10.2	19.7
12 7	2 37.07	+39 1.3	1.595	2.476	12.7	19.8
12 17	2 32.36	+37 52.1	1.655	2.474	15.5	20.0

97247 1999 XC_{101} 11 10.4 9°.75 3°.8/13.2 18

10 8	3 26.41	+29 25.2	1.869	2.690	14.6	19.1
10 18	3 21.59	+29 23.2	1.796	2.691	11.4	18.9
10 28	3 14.52	+29 4.2	1.746	2.693	7.9	18.7
11 7	3 6.04	+28 28.2	1.720	2.696	4.7	18.5
11 17	2 57.25	+27 37.6	1.722	2.698	4.2	18.5
11 27	2 49.33	+26 37.8	1.752	2.702	7.0	18.7
12 7	2 43.26	+25 35.9	1.808	2.706	10.5	18.9
12 17	2 39.65	+24 38.3	1.888	2.710	13.7	19.1

517513 2014 QD_{451} 11 10.4 95°.00 1°.7/11.6 18

10 8	3 28.68	+23 3.6	2.334	3.158	11.9	21.9
10 18	3 22.69	+23 9.5	2.268	3.172	9.0	21.7
10 28	3 14.93	+23 6.1	2.227	3.186	5.6	21.5
11 7	3 6.12	+22 54.0	2.214	3.199	2.4	21.3
11 17	2 57.12	+22 34.8	2.231	3.212	2.6	21.4
11 27	2 48.85	+22 11.8	2.277	3.225	5.8	21.6
12 7	2 42.06	+21 48.9	2.352	3.238	8.9	21.8
12 17	2 37.29	+21 29.7	2.451	3.251	11.7	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
22053 2000 AO_{17}		11 10.4 146°33	5°1/ 7.2 18			
	h m	° ′			°	m
10 8	3 29.54	+ 2 47.4	2.136	2.982	12.1	17.7
10 18	3 23.27	+ 2 10.8	2.078	2.990	9.2	17.6
10 28	3 15.25	+ 1 38.9	2.044	2.998	6.5	17.4
11 7	3 6.20	+ 1 16.0	2.039	3.005	5.1	17.4
11 17	2 56.99	+ 1 5.6	2.062	3.012	6.3	17.5
11 27	2 48.54	+ 1 10.1	2.114	3.018	9.0	17.6
12 7	2 41.61	+ 1 29.9	2.191	3.024	11.7	17.8
12 17	2 36.69	+ 2 4.2	2.291	3.029	14.2	18.0
73597 2188 T_{-2}		11 10.4 349°89	2°0/ 9.3 18			
10 8	3 18.83	+16 51.6	1.043	1.937	18.0	18.5
10 18	3 17.11	+15 58.0	0.977	1.921	13.3	18.1
10 28	3 12.36	+14 50.1	0.931	1.908	7.9	17.8
11 7	3 5.56	+13 34.3	0.907	1.897	2.5	17.5
11 17	2 58.17	+12 20.2	0.906	1.887	5.3	17.6
11 27	2 51.86	+11 18.5	0.928	1.881	11.1	17.9
12 7	2 48.00	+10 37.1	0.970	1.876	16.4	18.2
12 17	2 47.37	+10 19.9	1.030	1.874	21.0	18.5
469732 2005 NV_{21}		11 10.4 62°97	5°7/ 7.8 16			
10 8	3 31.91	+ 6 40.6	1.288	2.158	17.0	21.4
10 18	3 25.60	+ 5 43.1	1.255	2.183	12.6	21.2
10 28	3 16.75	+ 4 49.0	1.244	2.209	8.2	21.1
11 7	3 6.57	+ 4 5.6	1.258	2.235	5.7	21.0
11 17	2 56.46	+ 3 38.8	1.298	2.261	7.5	21.2
11 27	2 47.78	+ 3 32.2	1.363	2.287	11.3	21.5
12 7	2 41.50	+ 3 46.3	1.451	2.313	15.0	21.8
12 17	2 38.09	+ 4 19.0	1.559	2.338	18.1	22.0
415522 2014 QK_{28}		11 10.4 33°08	0°1/10.5 16			
10 8	3 26.19	+18 50.9	1.751	2.604	14.0	21.1
10 18	3 21.23	+18 33.2	1.696	2.618	10.3	20.9
10 28	3 14.19	+18 6.9	1.665	2.633	6.1	20.7
11 7	3 5.94	+17 34.5	1.660	2.649	1.6	20.4
11 17	2 57.54	+16 59.8	1.682	2.665	2.9	20.6
11 27	2 50.06	+16 27.6	1.733	2.682	7.2	20.9
12 7	2 44.39	+16 2.3	1.810	2.699	11.0	21.1
12 17	2 41.05	+15 46.9	1.909	2.717	14.2	21.4
114641 2003 EX_{38}		11 10.4 76°81	1°0/ 9.8 18			
10 8	3 27.76	+15 36.4	1.963	2.812	12.8	20.4
10 18	3 22.23	+15 16.6	1.898	2.820	9.4	20.2
10 28	3 14.75	+14 51.4	1.858	2.827	5.5	19.9
11 7	3 6.10	+14 23.2	1.845	2.834	1.6	19.7
11 17	2 57.24	+13 55.7	1.862	2.842	3.2	19.8
11 27	2 49.17	+13 32.6	1.906	2.849	7.2	20.1
12 7	2 42.74	+13 17.6	1.978	2.857	10.7	20.3
12 17	2 38.49	+13 12.8	2.072	2.864	13.8	20.6
460593 2014 UT_{40}		11 10.5 309°80	5°0/ 5.6 17			
10 8	3 23.43	+ 8 29.2	2.020	2.882	12.0	20.8
10 18	3 19.20	+ 6 32.5	1.928	2.854	9.0	20.5
10 28	3 13.08	+ 4 29.2	1.863	2.825	6.2	20.3
11 7	3 5.71	+ 2 27.0	1.826	2.797	5.1	20.2
11 17	2 57.92	+ 0 34.6	1.819	2.769	7.0	20.2
11 27	2 50.67	− 0 59.9	1.840	2.741	10.3	20.4
12 7	2 44.82	− 2 11.3	1.886	2.713	13.6	20.5
12 17	2 40.98	− 2 57.5	1.952	2.686	16.5	20.7
157197 2004 QN_{24}		11 10.5 34°70	3°1/ 8.3 18			
10 8	3 24.97	+12 19.5	1.605	2.473	14.3	18.9
10 18	3 20.33	+11 16.8	1.560	2.491	10.4	18.7
10 28	3 13.63	+10 10.5	1.540	2.510	6.2	18.5
11 7	3 5.80	+ 9 6.7	1.545	2.530	3.2	18.4
11 17	2 57.89	+ 8 11.3	1.578	2.550	5.1	18.5
11 27	2 51.00	+ 7 29.9	1.637	2.571	8.9	18.8
12 7	2 45.94	+ 7 5.5	1.721	2.592	12.5	19.1
12 17	2 43.19	+ 6 58.9	1.827	2.614	15.5	19.3
139739 2001 QW_{262}		11 10.5 16°60	3°0/12.2 18			
10 8	3 29.06	+25 23.0	1.730	2.564	15.0	20.0
10 18	3 23.67	+25 36.3	1.659	2.566	11.5	19.8
10 28	3 15.83	+25 35.8	1.611	2.568	7.6	19.5
11 7	3 6.42	+25 21.3	1.589	2.570	3.8	19.3
11 17	2 56.62	+24 54.7	1.593	2.573	3.7	19.3
11 27	2 47.74	+24 20.5	1.626	2.577	7.4	19.5
12 7	2 40.84	+23 44.9	1.684	2.580	11.3	19.8
12 17	2 36.60	+23 13.6	1.765	2.584	14.7	20.0
422364 2014 SM_{240}		11 10.5 50°01	2°1/11.7 18			
10 8	3 30.49	+22 48.2	1.908	2.740	13.9	20.6
10 18	3 24.30	+23 11.4	1.854	2.761	10.4	20.4
10 28	3 15.98	+23 24.1	1.824	2.783	6.6	20.2
11 7	3 6.42	+23 26.5	1.820	2.805	2.9	20.0
11 17	2 56.69	+23 19.9	1.845	2.826	3.1	20.1
11 27	2 47.90	+23 7.9	1.900	2.849	6.6	20.4
12 7	2 40.97	+22 54.7	1.980	2.871	10.1	20.6
12 17	2 36.44	+22 44.5	2.085	2.893	13.1	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
264402 2000 FG_{14}		11 10.5 194°71	1°0/11.0 18			
	h m	° ′			°	m
10 8	3 31.70	+21 20.6	1.841	2.677	14.2	21.8
10 18	3 25.42	+21 8.5	1.763	2.675	10.6	21.5
10 28	3 16.80	+20 45.2	1.710	2.673	6.5	21.3
11 7	3 6.67	+20 12.0	1.683	2.670	2.1	21.0
11 17	2 56.16	+19 32.1	1.685	2.667	2.9	21.1
11 27	2 46.51	+18 50.5	1.716	2.664	7.3	21.3
12 7	2 38.74	+18 12.9	1.773	2.659	11.4	21.6
12 17	2 33.53	+17 44.0	1.854	2.655	14.8	21.8
344160 2000 WS_{155}		11 10.5 29°48	5°1/13.3 18			
10 8	3 29.74	+29 29.4	1.319	2.157	18.6	19.3
10 18	3 24.74	+29 47.8	1.263	2.167	14.6	19.1
10 28	3 16.65	+29 44.6	1.226	2.177	10.1	18.9
11 7	3 6.64	+29 18.6	1.212	2.188	6.1	18.7
11 17	2 56.29	+28 32.4	1.224	2.200	5.5	18.7
11 27	2 47.28	+27 33.4	1.260	2.213	8.9	18.9
12 7	2 40.89	+26 31.2	1.321	2.226	13.1	19.2
12 17	2 37.81	+25 34.7	1.403	2.240	16.8	19.5
233665 2008 RO_{9}		11 10.5 239°82	0°4/10.2 18			
10 8	3 28.85	+19 0.6	1.778	2.626	14.1	20.9
10 18	3 23.39	+18 23.2	1.699	2.618	10.4	20.7
10 28	3 15.62	+17 34.8	1.642	2.611	6.2	20.4
11 7	3 6.37	+16 38.6	1.613	2.603	1.6	20.1
11 17	2 56.73	+15 39.3	1.612	2.594	3.3	20.2
11 27	2 47.91	+14 43.1	1.640	2.586	7.8	20.5
12 7	2 40.91	+13 56.1	1.694	2.577	12.0	20.7
12 17	2 36.40	+13 22.5	1.770	2.568	15.5	20.9
477818 2011 EP_{26}		11 10.5 311°91	2°2/ 9.4 18			
10 8	3 28.34	+14 26.1	1.317	2.188	16.6	21.4
10 18	3 23.71	+13 55.5	1.242	2.174	12.3	21.1
10 28	3 16.14	+13 17.3	1.188	2.160	7.3	20.8
11 7	3 6.56	+12 35.7	1.158	2.147	2.6	20.5
11 17	2 56.34	+11 56.7	1.154	2.134	4.9	20.6
11 27	2 47.07	+11 26.9	1.176	2.122	10.2	20.8
12 7	2 40.09	+11 11.8	1.221	2.110	15.2	21.1
12 17	2 36.23	+11 14.2	1.285	2.098	19.4	21.3
316338 2010 RU_{126}		11 10.5 286°56	1°4/11.2 17			
10 8	3 29.37	+21 8.3	1.997	2.833	13.2	20.6
10 18	3 23.72	+21 21.8	1.909	2.821	10.0	20.4
10 28	3 15.83	+21 26.8	1.846	2.808	6.2	20.2
11 7	3 6.45	+21 23.3	1.809	2.796	2.3	19.9
11 17	2 56.55	+21 12.8	1.801	2.784	2.9	19.9
11 27	2 47.29	+20 58.4	1.823	2.772	6.9	20.1
12 7	2 39.68	+20 44.3	1.871	2.759	10.7	20.3
12 17	2 34.43	+20 34.7	1.942	2.747	14.1	20.5
471818 2012 WW_{16}		11 10.5 358°64	3°2/ 9.3 18			
10 8	3 30.44	+ 9 32.1	1.338	2.208	16.4	19.8
10 18	3 25.05	+ 9 38.7	1.275	2.205	12.2	19.6
10 28	3 16.80	+ 9 46.7	1.233	2.203	7.5	19.3
11 7	3 6.72	+ 9 59.1	1.216	2.203	3.4	19.1
11 17	2 56.15	+10 18.8	1.226	2.202	5.3	19.2
11 27	2 46.64	+10 48.2	1.261	2.203	10.0	19.5
12 7	2 39.44	+11 28.3	1.319	2.205	14.5	19.7
12 17	2 35.29	+12 19.3	1.398	2.207	18.3	20.0
311895 2006 YG_{5}		11 10.5 326°12	2°7/ 9.0 17			
10 8	3 26.54	+11 37.9	1.603	2.469	14.4	20.8
10 18	3 21.92	+11 16.3	1.524	2.453	10.7	20.5
10 28	3 14.88	+10 51.8	1.468	2.439	6.5	20.3
11 7	3 6.22	+10 28.3	1.438	2.425	2.9	20.0
11 17	2 57.04	+10 9.9	1.435	2.411	4.8	20.1
11 27	2 48.62	+10 1.3	1.458	2.398	9.2	20.3
12 7	2 42.04	+10 5.5	1.506	2.386	13.4	20.6
12 17	2 38.05	+10 24.1	1.575	2.375	17.0	20.8
444625 2006 VU_{170}		11 10.5 6°80	8°3/ 6.4 18			
10 8	3 27.43	− 2 55.9	1.586	2.444	14.9	20.1
10 18	3 22.28	− 3 37.9	1.533	2.445	11.9	19.9
10 28	3 14.90	− 4 8.0	1.503	2.446	9.4	19.7
11 7	3 6.18	− 4 19.7	1.497	2.448	8.3	19.7
11 17	2 57.22	− 4 8.7	1.517	2.451	9.6	19.8
11 27	2 49.20	− 3 33.3	1.561	2.455	12.3	20.0
12 7	2 43.06	− 2 35.4	1.628	2.459	15.2	20.2
12 17	2 39.38	− 1 18.8	1.715	2.464	17.9	20.4
218555 2005 EW_{133}		11 10.5 189°97	4°0/ 8.0 18			
10 8	3 31.03	+ 9 39.5	1.673	2.530	14.3	21.1
10 18	3 24.92	+ 8 43.5	1.606	2.529	10.6	20.9
10 28	3 16.49	+ 7 45.1	1.562	2.528	6.7	20.7
11 7	3 6.60	+ 6 49.8	1.545	2.527	4.0	20.5
11 17	2 56.41	+ 6 3.7	1.557	2.524	5.9	20.6
11 27	2 47.13	+ 5 32.2	1.596	2.521	9.8	20.9
12 7	2 39.77	+ 5 18.5	1.660	2.518	13.6	21.1
12 17	2 34.97	+ 5 23.2	1.745	2.514	16.9	21.3

116849 2004 FN_{55} 11 10.5 52°.58 1°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.91	+14 43.5	1.260	2.128	17.4	19.1
10 18	3 25.95	+14 29.1	1.215	2.145	12.7	18.8
10 28	3 17.17	+14 8.7	1.192	2.164	7.4	18.6
11 7	3 6.76	+13 46.0	1.193	2.182	2.2	18.3
11 17	2 56.22	+13 25.4	1.220	2.201	4.4	18.5
11 27	2 47.08	+13 12.1	1.274	2.220	9.5	18.9
12 7	2 40.46	+13 10.0	1.350	2.240	14.0	19.2
12 17	2 36.94	+13 20.8	1.447	2.260	17.7	19.5

255730 2006 QB_{133} 11 10.5 19°.44 2°.9/ 9.5 18

10 8	3 29.89	+11 42.1	1.020	1.905	19.2	19.6
10 18	3 25.10	+11 38.6	0.973	1.911	14.1	19.3
10 28	3 16.97	+11 33.3	0.944	1.918	8.4	19.1
11 7	3 6.76	+11 30.0	0.938	1.926	3.3	18.8
11 17	2 56.19	+11 33.1	0.956	1.936	5.6	19.0
11 27	2 47.09	+11 46.7	0.997	1.947	11.1	19.3
12 7	2 40.85	+12 13.2	1.060	1.958	16.1	19.7
12 17	2 38.14	+12 53.0	1.141	1.971	20.3	20.0

394964 2008 YT_{127} 11 10.5 313°.28 1°.4/11.2 18

10 8	3 28.12	+22 5.3	1.617	2.465	15.2	21.1
10 18	3 23.16	+21 55.3	1.538	2.456	11.5	20.9
10 28	3 15.64	+21 32.4	1.482	2.447	7.1	20.6
11 7	3 6.42	+20 57.9	1.450	2.438	2.5	20.3
11 17	2 56.71	+20 15.0	1.446	2.429	3.2	20.3
11 27	2 47.85	+19 29.6	1.469	2.421	7.9	20.6
12 7	2 41.00	+18 48.4	1.518	2.413	12.3	20.9
12 17	2 36.89	+18 16.6	1.588	2.406	16.1	21.1

304285 2006 SO_{58} 11 10.5 160°.60 1°.3/11.4 18

10 8	3 28.17	+23 44.8	2.009	2.840	13.3	21.0
10 18	3 22.63	+23 12.3	1.934	2.843	10.0	20.7
10 28	3 15.06	+22 26.6	1.884	2.845	6.2	20.5
11 7	3 6.25	+21 29.8	1.860	2.847	2.3	20.3
11 17	2 57.20	+20 25.9	1.866	2.849	2.7	20.3
11 27	2 48.98	+19 20.6	1.901	2.850	6.6	20.6
12 7	2 42.44	+18 20.1	1.964	2.852	10.3	20.8
12 17	2 38.16	+17 29.2	2.050	2.853	13.5	21.0

315232 2007 RY_{227} 11 10.5 146°.75 0°.4/10.3 17

10 8	3 34.07	+17 30.8	1.553	2.401	15.7	21.2
10 18	3 27.37	+17 18.5	1.488	2.408	11.6	21.0
10 28	3 18.03	+16 57.6	1.447	2.415	6.9	20.7
11 7	3 7.05	+16 30.4	1.432	2.421	1.8	20.4
11 17	2 55.74	+16 0.6	1.445	2.427	3.5	20.6
11 27	2 45.54	+15 33.5	1.486	2.432	8.4	20.9
12 7	2 37.58	+15 14.1	1.553	2.437	12.8	21.1
12 17	2 32.51	+15 6.0	1.641	2.441	16.5	21.4

298045 2002 QU_{3} 11 10.5 77°.62 2°.1/11.9 18

10 8	3 30.18	+24 48.2	1.761	2.593	14.9	20.8
10 18	3 24.24	+24 35.3	1.703	2.610	11.2	20.6
10 28	3 16.02	+24 8.2	1.668	2.627	7.1	20.4
11 7	3 6.50	+23 28.2	1.659	2.643	3.1	20.2
11 17	2 56.81	+22 39.0	1.678	2.660	3.2	20.3
11 27	2 48.18	+21 46.3	1.726	2.676	7.1	20.5
12 7	2 41.55	+20 56.6	1.800	2.692	10.9	20.8
12 17	2 37.45	+20 15.0	1.897	2.709	14.1	21.1

323029 2002 QY_{96} 11 10.5 81°.31 1°.8/11.8 18

10 8	3 27.63	+23 47.3	2.314	3.139	12.0	21.2
10 18	3 21.99	+23 47.6	2.248	3.151	9.1	21.1
10 28	3 14.58	+23 37.9	2.205	3.163	5.7	20.9
11 7	3 6.12	+23 18.9	2.191	3.175	2.5	20.7
11 17	2 57.47	+22 52.6	2.206	3.187	2.6	20.7
11 27	2 49.55	+22 22.5	2.251	3.199	5.8	20.9
12 7	2 43.10	+21 52.8	2.323	3.211	9.0	21.2
12 17	2 38.65	+21 27.3	2.420	3.223	11.7	21.4

263017 2007 EA_{192} 11 10.5 275°.08 1°.1/11.2 17

10 8	3 27.33	+21 34.5	2.168	3.002	12.4	21.3
10 18	3 22.00	+21 29.5	2.085	2.996	9.3	21.1
10 28	3 14.72	+21 15.1	2.027	2.990	5.7	20.9
11 7	3 6.20	+20 52.3	1.996	2.983	2.0	20.6
11 17	2 57.33	+20 23.5	1.994	2.977	2.6	20.6
11 27	2 49.10	+19 52.5	2.022	2.971	6.3	20.9
12 7	2 42.38	+19 23.6	2.077	2.964	9.9	21.1
12 17	2 37.76	+19 0.8	2.156	2.958	12.9	21.3

475958 2007 GQ_{64} 11 10.5 211°.33 0°.3/10.7 18 R

10 8	3 30.37	+20 4.6	1.930	2.769	13.5	22.2
10 18	3 24.39	+19 40.9	1.849	2.763	10.1	22.0
10 28	3 16.20	+19 6.9	1.792	2.758	6.1	21.7
11 7	3 6.60	+18 24.5	1.762	2.751	1.7	21.4
11 17	2 56.61	+17 37.4	1.762	2.745	2.9	21.5
11 27	2 47.41	+16 50.8	1.791	2.737	7.2	21.8
12 7	2 39.95	+16 10.1	1.846	2.730	11.2	22.0
12 17	2 34.89	+15 39.5	1.925	2.721	14.5	22.2

271635 2004 PS_{77} 11 10.5 118°.78 0°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.52	+21 56.2	1.823	2.658	14.3	20.8
10 18	3 25.12	+21 30.2	1.762	2.673	10.6	20.6
10 28	3 16.52	+20 52.2	1.724	2.688	6.5	20.4
11 7	3 6.65	+20 4.4	1.714	2.702	2.1	20.2
11 17	2 56.62	+19 11.0	1.732	2.715	2.8	20.3
11 27	2 47.61	+18 17.8	1.780	2.728	7.1	20.6
12 7	2 40.54	+17 30.6	1.855	2.741	11.0	20.8
12 17	2 35.95	+16 53.8	1.952	2.753	14.2	21.1

340975 2007 EG_{141} 11 10.5 75°.23 2°.1/11.7 18

10 8	3 31.65	+23 58.4	1.528	2.369	16.3	20.9
10 18	3 25.61	+23 49.6	1.472	2.384	12.3	20.7
10 28	3 16.96	+23 25.8	1.438	2.399	7.7	20.4
11 7	3 6.78	+22 48.3	1.429	2.415	3.2	20.2
11 17	2 56.41	+22 1.0	1.448	2.430	3.4	20.3
11 27	2 47.24	+21 10.5	1.494	2.445	7.8	20.6
12 7	2 40.35	+20 23.8	1.565	2.460	12.0	20.9
12 17	2 36.33	+19 46.5	1.659	2.476	15.6	21.1

477478 2010 AO_{35} 11 10.5 329°.29 1°.9/ 9.5 18

10 8	3 26.17	+15 19.5	1.270	2.145	16.8	21.4
10 18	3 22.22	+14 46.0	1.196	2.130	12.4	21.1
10 28	3 15.33	+14 3.3	1.143	2.116	7.4	20.8
11 7	3 6.44	+13 15.9	1.114	2.103	2.4	20.4
11 17	2 56.92	+12 30.2	1.110	2.090	4.8	20.5
11 27	2 48.35	+11 53.6	1.131	2.079	10.2	20.8
12 7	2 42.08	+11 31.9	1.174	2.068	15.3	21.1
12 17	2 38.93	+11 28.4	1.236	2.058	19.5	21.3

9393 Apta 11 10.5 202°.25 2°.0/ 9.1 18

10 8	3 28.27	+13 35.4	2.012	2.862	12.6	18.2
10 18	3 22.65	+12 54.9	1.937	2.859	9.2	18.0
10 28	3 15.09	+12 9.3	1.888	2.856	5.5	17.8
11 7	3 6.30	+11 22.5	1.866	2.853	2.2	17.6
11 17	2 57.23	+10 38.8	1.874	2.849	3.9	17.7
11 27	2 48.89	+10 2.9	1.910	2.846	7.7	17.9
12 7	2 42.13	+ 9 38.4	1.973	2.841	11.3	18.1
12 17	2 37.52	+ 9 27.5	2.059	2.837	14.3	18.3

16579 1992 GO 11 10.5 105°.25 6°.6/ 5.8 18 R

10 8	3 27.91	+ 0 36.0	1.958	2.809	12.8	17.5
10 18	3 22.17	− 0 38.0	1.913	2.825	9.9	17.3
10 28	3 14.66	− 1 45.4	1.894	2.840	7.5	17.2
11 7	3 6.16	− 2 39.8	1.901	2.855	6.6	17.2
11 17	2 57.59	− 3 16.3	1.936	2.870	7.9	17.3
11 27	2 49.88	− 3 31.9	1.998	2.884	10.4	17.5
12 7	2 43.76	− 3 26.4	2.084	2.898	13.0	17.7
12 17	2 39.70	− 3 1.5	2.190	2.911	15.2	17.9

200460 2000 WR_{112} 11 10.5 67°.35 2°.2/11.7 18

10 8	3 31.87	+23 8.3	1.584	2.424	15.9	19.0
10 18	3 25.81	+23 19.7	1.523	2.435	12.0	18.8
10 28	3 17.13	+23 18.3	1.484	2.446	7.6	18.5
11 7	3 6.86	+23 4.3	1.471	2.457	3.2	18.3
11 17	2 56.28	+22 40.0	1.486	2.468	3.5	18.4
11 27	2 46.80	+22 10.5	1.528	2.479	7.7	18.6
12 7	2 39.53	+21 41.9	1.596	2.491	11.9	18.9
12 17	2 35.10	+21 19.4	1.686	2.502	15.4	19.2

455628 2004 VA_{45} 11 10.5 53°.47 2°.5/ 9.2 16

10 8	3 29.61	+10 18.5	1.875	2.729	13.2	21.0
10 18	3 23.53	+10 12.7	1.826	2.749	9.6	20.8
10 28	3 15.51	+10 6.6	1.801	2.769	5.8	20.7
11 7	3 6.40	+10 2.9	1.804	2.789	2.7	20.5
11 17	2 57.18	+10 4.0	1.835	2.810	4.2	20.6
11 27	2 48.88	+10 12.5	1.895	2.831	7.7	20.9
12 7	2 42.31	+10 29.9	1.981	2.852	11.1	21.2
12 17	2 37.98	+10 56.6	2.090	2.873	14.0	21.4

520657 2014 QO_{254} 11 10.5 20°.15 6°.3/ 6.1 18

10 8	3 25.23	+ 0 1.0	2.040	2.893	12.3	20.5
10 18	3 20.29	− 0 51.8	1.984	2.896	9.6	20.3
10 28	3 13.62	− 1 37.9	1.952	2.899	7.3	20.2
11 7	3 5.93	− 2 11.9	1.946	2.902	6.4	20.1
11 17	2 58.04	− 2 29.6	1.968	2.905	7.6	20.2
11 27	2 50.87	− 2 28.4	2.017	2.908	10.0	20.4
12 7	2 45.16	− 2 8.1	2.089	2.912	12.6	20.6
12 17	2 41.39	− 1 30.3	2.183	2.916	14.9	20.8

518814 2010 CG_{49} 11 10.5 81°.22 8°.5/17.8 18

10 8	3 34.29	+43 18.1	1.591	2.349	19.4	20.6
10 18	3 27.97	+42 58.1	1.521	2.359	16.4	20.5
10 28	3 18.50	+42 4.2	1.470	2.368	13.1	20.3
11 7	3 7.21	+40 33.6	1.440	2.377	10.0	20.1
11 17	2 55.82	+38 29.4	1.437	2.387	8.5	20.1
11 27	2 46.03	+36 1.7	1.461	2.396	9.6	20.2
12 7	2 39.06	+33 25.1	1.511	2.405	12.4	20.3
12 17	2 35.46	+30 53.7	1.586	2.415	15.6	20.6

91452 1999 RL_{43} 11 10.5 326°.28 0°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.56	+21 28.6	2.008	2.850	12.9	19.2
10 18	3 20.77	+20 50.5	1.931	2.846	9.6	19.0
10 28	3 14.02	+20 0.8	1.877	2.842	5.8	18.8
11 7	3 6.06	+19 2.1	1.850	2.839	1.7	18.5
11 17	2 57.82	+17 58.7	1.852	2.835	2.7	18.6
11 27	2 50.31	+16 56.3	1.884	2.832	6.7	18.8
12 7	2 44.38	+16 0.6	1.942	2.829	10.5	19.1
12 17	2 40.61	+15 16.0	2.023	2.826	13.7	19.3

329121 2011 CK_{49} 11 10.5 350°.65 5°.9/ 6.6 17

10 8	3 24.48	+ 3 13.3	1.804	2.668	13.1	20.2
10 18	3 20.02	+ 2 16.5	1.742	2.664	10.1	20.0
10 28	3 13.59	+ 1 23.8	1.703	2.660	7.2	19.8
11 7	3 5.96	+ 0 41.2	1.690	2.657	5.9	19.7
11 17	2 58.06	+ 0 13.9	1.704	2.654	7.4	19.8
11 27	2 50.90	+ 0 5.7	1.745	2.652	10.3	20.0
12 7	2 45.33	+ 0 17.5	1.808	2.650	13.4	20.2
12 17	2 41.92	+ 0 48.3	1.893	2.649	16.2	20.4

298410 2003 SK_{296} 11 10.5 69°.03 9°.4/16.9 18

10 8	3 38.22	+41 19.3	1.685	2.443	18.5	20.1
10 18	3 30.90	+42 21.5	1.633	2.466	15.6	20.0
10 28	3 20.33	+42 57.2	1.600	2.490	12.7	19.9
11 7	3 7.75	+43 1.2	1.590	2.513	10.3	19.8
11 17	2 54.84	+42 32.8	1.605	2.537	9.4	19.8
11 27	2 43.41	+41 37.1	1.645	2.560	10.3	19.9
12 7	2 34.80	+40 24.4	1.710	2.583	12.5	20.1
12 17	2 29.71	+39 5.4	1.798	2.606	14.9	20.3

485883 2012 FJ_{37} 11 10.5 86°.41 0°.4/10.2 18

10 8	3 28.60	+15 55.8	2.322	3.162	11.5	21.0
10 18	3 22.64	+15 57.6	2.258	3.174	8.4	20.9
10 28	3 14.98	+15 55.0	2.220	3.187	4.9	20.7
11 7	3 6.31	+15 49.6	2.210	3.200	1.3	20.4
11 17	2 57.46	+15 43.2	2.231	3.212	2.6	20.6
11 27	2 49.31	+15 38.4	2.281	3.224	6.1	20.8
12 7	2 42.58	+15 37.8	2.359	3.237	9.3	21.0
12 17	2 37.78	+15 43.3	2.461	3.249	12.0	21.2

152042 2004 PP_{14} 11 10.5 351°.26 6°.2/ 6.2 18

10 8	3 25.31	+ 1 50.3	1.916	2.775	12.7	19.5
10 18	3 20.50	+ 0 49.1	1.856	2.773	9.8	19.3
10 28	3 13.83	− 0 7.0	1.819	2.771	7.3	19.1
11 7	3 6.03	− 0 52.2	1.809	2.770	6.2	19.1
11 17	2 57.99	− 1 21.3	1.827	2.769	7.6	19.2
11 27	2 50.67	− 1 30.9	1.870	2.768	10.3	19.3
12 7	2 44.89	− 1 20.2	1.938	2.768	13.1	19.5
12 17	2 41.18	− 0 50.5	2.026	2.768	15.7	19.7

512208 2015 TZ_{139} 11 10.5 125°.77 5°.2/ 7.2 18

10 8	3 30.14	− 0 38.7	2.481	3.315	11.0	21.2
10 18	3 23.53	− 0 57.5	2.426	3.328	8.5	21.0
10 28	3 15.40	− 1 9.4	2.396	3.340	6.3	20.9
11 7	3 6.41	− 1 11.0	2.395	3.352	5.2	20.9
11 17	2 57.32	− 1 0.1	2.424	3.364	6.2	20.9
11 27	2 48.91	− 0 35.5	2.482	3.375	8.3	21.1
12 7	2 41.85	+ 0 2.4	2.567	3.386	10.7	21.3
12 17	2 36.58	+ 0 52.1	2.675	3.396	12.8	21.4

9159 McDonnell 11 10.5 11°.91 2°.0/ 9.4 18

10 8	3 26.56	+17 4.0	1.203	2.079	17.5	16.8
10 18	3 22.38	+16 0.5	1.146	2.080	12.9	16.5
10 28	3 15.31	+14 44.5	1.109	2.082	7.5	16.3
11 7	3 6.46	+13 22.4	1.096	2.085	2.4	16.0
11 17	2 57.27	+12 3.3	1.109	2.089	4.9	16.1
11 27	2 49.32	+10 56.7	1.147	2.093	10.3	16.5
12 7	2 43.78	+10 9.5	1.207	2.099	15.1	16.8
12 17	2 41.32	+ 9 44.7	1.287	2.104	19.1	17.0

121550 1999 VQ_{32} 11 10.5 29°.08 0°.2/10.6 18

10 8	3 26.73	+19 6.4	1.820	2.670	13.7	19.7
10 18	3 21.72	+18 52.1	1.757	2.677	10.1	19.5
10 28	3 14.62	+18 29.1	1.717	2.685	6.0	19.3
11 7	3 6.25	+17 59.5	1.703	2.693	1.6	19.0
11 17	2 57.64	+17 26.8	1.718	2.701	2.8	19.1
11 27	2 49.88	+16 55.6	1.761	2.710	7.1	19.4
12 7	2 43.87	+16 30.5	1.829	2.719	10.9	19.7
12 17	2 40.17	+16 14.5	1.921	2.728	14.1	19.9

25094 Zemtsov 11 10.5 138°.36 1°.6/11.5 18 R

10 8	3 29.56	+23 15.0	1.910	2.743	13.9	18.4
10 18	3 23.81	+23 2.6	1.838	2.747	10.4	18.2
10 28	3 15.88	+22 38.1	1.790	2.750	6.5	18.0
11 7	3 6.61	+22 2.5	1.768	2.754	2.5	17.7
11 17	2 57.04	+21 19.0	1.775	2.757	2.9	17.7
11 27	2 48.33	+20 32.7	1.811	2.761	6.9	18.0
12 7	2 41.41	+19 49.3	1.874	2.764	10.6	18.2
12 17	2 36.89	+19 13.5	1.960	2.767	13.9	18.5

26308 1998 SM_{165} 11 10.5 49°.96 0°.2/ 7.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 5.73	+ 7 41.2	40.845	41.691	0.7	22.0
10 18	3 5.05	+ 7 36.8	40.783	41.701	0.5	22.0
10 28	3 4.31	+ 7 32.5	40.748	41.711	0.3	21.9
11 7	3 3.52	+ 7 28.5	40.743	41.721	0.2	21.9
11 17	3 2.73	+ 7 24.9	40.768	41.731	0.3	21.9
11 27	3 1.95	+ 7 21.7	40.823	41.741	0.5	22.0
12 7	3 1.23	+ 7 19.2	40.907	41.751	0.7	22.0
12 17	3 0.58	+ 7 17.4	41.016	41.761	0.9	22.0

473490 2015 XQ_{94} 11 10.5 12°.70 5°.5/ 7.5 18

10 8	3 27.23	+ 3 15.7	1.795	2.654	13.4	20.9
10 18	3 22.01	+ 2 44.4	1.736	2.656	10.2	20.7
10 28	3 14.77	+ 2 18.3	1.701	2.659	7.1	20.5
11 7	3 6.31	+ 2 2.3	1.692	2.662	5.5	20.4
11 17	2 57.61	+ 2 0.2	1.710	2.665	6.8	20.5
11 27	2 49.72	+ 2 14.4	1.754	2.669	9.8	20.7
12 7	2 43.51	+ 2 45.4	1.824	2.673	13.0	20.9
12 17	2 39.54	+ 3 31.6	1.914	2.678	15.8	21.1

266018 2006 EW_{59} 11 10.5 213°.41 3°.4/13.2 17

10 8	3 28.21	+29 31.0	2.554	3.353	11.8	21.3
10 18	3 22.54	+29 42.1	2.468	3.350	9.3	21.1
10 28	3 15.05	+29 40.7	2.407	3.347	6.5	20.9
11 7	3 6.40	+29 26.2	2.372	3.343	4.0	20.8
11 17	2 57.42	+28 59.5	2.367	3.339	3.7	20.7
11 27	2 49.04	+28 23.8	2.391	3.335	5.8	20.9
12 7	2 42.05	+27 43.6	2.444	3.331	8.6	21.0
12 17	2 37.03	+27 3.7	2.522	3.327	11.2	21.2

472670 2015 EE_{11} 11 10.5 246°.60 0°.6/10.8 17

10 8	3 33.17	+19 12.7	1.457	2.308	16.4	21.5
10 18	3 27.19	+19 13.1	1.381	2.301	12.3	21.2
10 28	3 18.25	+19 3.2	1.327	2.294	7.5	21.0
11 7	3 7.31	+18 44.3	1.298	2.287	2.2	20.6
11 17	2 55.75	+18 19.2	1.296	2.279	3.5	20.7
11 27	2 45.16	+17 53.2	1.321	2.271	8.8	21.0
12 7	2 36.89	+17 32.4	1.371	2.263	13.6	21.2
12 17	2 31.75	+17 21.5	1.442	2.255	17.7	21.5

41271 1999 XQ_{71} 11 10.5 54°.50 0°.2/10.6 18

10 8	3 30.49	+19 56.8	1.447	2.302	16.3	18.7
10 18	3 24.64	+19 26.3	1.405	2.327	12.0	18.5
10 28	3 16.34	+18 44.3	1.384	2.353	7.1	18.3
11 7	3 6.70	+17 54.5	1.390	2.379	1.9	18.0
11 17	2 57.05	+17 2.3	1.422	2.405	3.3	18.2
11 27	2 48.70	+16 14.3	1.482	2.431	8.1	18.5
12 7	2 42.60	+15 36.3	1.566	2.458	12.3	18.9
12 17	2 39.25	+15 11.6	1.673	2.484	15.7	19.2

373257 2012 GW_{33} 11 10.5 190°.28 1°.2/11.2 18

10 8	3 31.57	+23 21.7	1.578	2.418	15.9	20.5
10 18	3 25.69	+22 43.7	1.504	2.418	12.0	20.2
10 28	3 17.17	+21 49.3	1.453	2.417	7.4	20.0
11 7	3 6.98	+20 41.0	1.428	2.416	2.5	19.7
11 17	2 56.43	+19 24.0	1.431	2.414	3.2	19.7
11 27	2 46.93	+18 6.5	1.462	2.412	8.1	20.0
12 7	2 39.62	+16 56.8	1.518	2.409	12.6	20.3
12 17	2 35.17	+16 1.1	1.597	2.406	16.4	20.5

325360 2008 MK_{2} 11 10.5 104°.01 6°.8/16.9 17

10 8	3 30.91	+41 31.0	2.445	3.183	13.9	20.7
10 18	3 24.71	+41 46.9	2.371	3.194	11.7	20.6
10 28	3 16.38	+41 42.4	2.318	3.204	9.5	20.5
11 7	3 6.75	+41 15.5	2.290	3.214	7.6	20.4
11 17	2 56.89	+40 26.7	2.289	3.224	6.8	20.3
11 27	2 47.93	+39 19.8	2.316	3.234	7.6	20.4
12 7	2 40.78	+38 1.6	2.370	3.244	9.4	20.6
12 17	2 36.02	+36 39.3	2.449	3.253	11.5	20.7

324747 2007 FO_{6} 11 10.5 12°.63 0°.2/10.4 17

10 8	3 26.45	+18 29.4	1.871	2.720	13.4	21.1
10 18	3 21.53	+18 8.9	1.801	2.722	9.9	20.9
10 28	3 14.54	+17 40.0	1.756	2.724	5.9	20.7
11 7	3 6.28	+17 5.2	1.736	2.726	1.5	20.4
11 17	2 57.74	+16 28.0	1.746	2.728	2.9	20.5
11 27	2 49.99	+15 53.2	1.783	2.731	7.1	20.8
12 7	2 43.91	+15 25.4	1.847	2.734	10.9	21.0
12 17	2 40.10	+15 7.6	1.933	2.738	14.2	21.2

453494 2009 SM_{342} 11 10.5 289°.36 2°.8/12.3 17

10 8	3 28.48	+25 47.4	2.130	2.951	13.0	21.5
10 18	3 23.10	+26 0.1	2.039	2.938	10.1	21.2
10 28	3 15.56	+26 1.0	1.972	2.924	6.7	21.0
11 7	3 6.59	+25 49.7	1.931	2.911	3.5	20.8
11 17	2 57.13	+25 27.3	1.919	2.898	3.4	20.8
11 27	2 48.27	+24 57.2	1.936	2.884	6.6	20.9
12 7	2 40.99	+24 24.4	1.980	2.871	10.1	21.1
12 17	2 35.98	+23 53.9	2.048	2.858	13.3	21.3

259832 2004 CE_{25} 11 10.5 166°.84 3°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.73	+30 18.2	2.242	3.041	13.2	20.9
10 18	3 24.56	+30 26.9	2.163	3.044	10.4	20.8
10 28	3 16.31	+30 20.7	2.108	3.047	7.3	20.6
11 7	3 6.76	+29 58.8	2.079	3.049	4.6	20.4
11 17	2 56.88	+29 22.6	2.079	3.051	4.1	20.4
11 27	2 47.78	+28 36.0	2.109	3.053	6.5	20.5
12 7	2 40.35	+27 44.8	2.166	3.054	9.5	20.7
12 17	2 35.19	+26 54.9	2.248	3.055	12.3	20.9

319648 2006 SA_{412} 11 10.5 41°.34 7°.5/ 6.3 15

10 8	3 27.10	+ 1 27.9	1.458	2.326	15.4	20.2
10 18	3 22.02	+ 0 12.6	1.425	2.347	11.9	20.0
10 28	3 14.75	− 0 53.9	1.415	2.368	8.8	19.9
11 7	3 6.30	− 1 44.1	1.430	2.390	7.6	19.9
11 17	2 57.84	− 2 12.2	1.470	2.413	9.1	20.1
11 27	2 50.52	− 2 15.4	1.534	2.436	11.9	20.3
12 7	2 45.19	− 1 54.6	1.622	2.459	14.9	20.5
12 17	2 42.32	− 1 12.9	1.728	2.483	17.5	20.8

400974 2010 XQ_{35} 11 10.5 51°.63 1°.2/ 9.7 18

10 8	3 27.49	+15 9.5	1.873	2.727	13.2	20.9
10 18	3 22.14	+14 47.4	1.815	2.739	9.6	20.7
10 28	3 14.83	+14 20.2	1.782	2.751	5.7	20.5
11 7	3 6.36	+13 50.8	1.775	2.763	1.7	20.3
11 17	2 57.71	+13 22.7	1.796	2.776	3.4	20.4
11 27	2 49.91	+13 0.2	1.846	2.789	7.3	20.7
12 7	2 43.80	+12 46.5	1.922	2.802	10.9	20.9
12 17	2 39.91	+12 43.6	2.021	2.815	14.0	21.2

399093 2014 DL_{34} 11 10.5 161°.50 2°.8/ 8.3 18

10 8	3 28.89	+ 9 52.1	2.431	3.274	10.9	22.7
10 18	3 22.76	+ 9 10.5	2.364	3.282	8.0	22.5
10 28	3 15.05	+ 8 27.6	2.324	3.288	5.0	22.3
11 7	3 6.41	+ 7 46.8	2.313	3.294	2.8	22.2
11 17	2 57.60	+ 7 11.9	2.332	3.300	4.2	22.3
11 27	2 49.46	+ 6 46.1	2.381	3.304	7.1	22.5
12 7	2 42.65	+ 6 31.7	2.458	3.308	10.0	22.7
12 17	2 37.66	+ 6 29.7	2.558	3.312	12.5	22.9

216147 2006 SE_{275} 11 10.5 24°.42 0°.2/10.4 18

10 8	3 28.64	+17 33.1	1.701	2.554	14.4	20.2
10 18	3 23.31	+17 25.5	1.635	2.557	10.6	20.0
10 28	3 15.68	+17 10.4	1.592	2.560	6.3	19.7
11 7	3 6.61	+16 49.8	1.575	2.564	1.6	19.4
11 17	2 57.23	+16 26.9	1.586	2.569	3.1	19.6
11 27	2 48.73	+16 6.3	1.625	2.573	7.6	19.9
12 7	2 42.11	+15 52.0	1.689	2.578	11.7	20.1
12 17	2 38.01	+15 47.1	1.776	2.583	15.1	20.3

170526 2003 WB_{89} 11 10.5 344°.70 2°.4/ 9.3 18

10 8	3 26.22	+13 38.2	1.382	2.255	15.9	19.7
10 18	3 22.01	+13 8.6	1.314	2.247	11.7	19.5
10 28	3 15.13	+12 33.1	1.267	2.239	7.0	19.2
11 7	3 6.51	+11 56.2	1.245	2.233	2.7	18.9
11 17	2 57.42	+11 23.4	1.248	2.227	4.8	19.0
11 27	2 49.26	+11 0.5	1.277	2.222	9.7	19.3
12 7	2 43.22	+10 51.7	1.329	2.218	14.2	19.6
12 17	2 40.02	+10 59.1	1.402	2.215	18.1	19.8

242936 2006 QJ_{66} 11 10.5 109°.78 3°.0/ 8.4 18

10 8	3 29.10	+10 13.6	2.081	2.930	12.2	21.4
10 18	3 23.04	+ 9 27.4	2.028	2.949	8.9	21.2
10 28	3 15.24	+ 8 39.9	2.001	2.967	5.5	21.0
11 7	3 6.47	+ 7 55.3	2.002	2.984	3.1	20.9
11 17	2 57.61	+ 7 17.8	2.033	3.001	4.6	21.0
11 27	2 49.59	+ 6 51.1	2.092	3.018	7.8	21.3
12 7	2 43.14	+ 6 37.4	2.178	3.034	10.9	21.5
12 17	2 38.72	+ 6 37.6	2.287	3.050	13.5	21.7

276599 2003 TZ_{34} 11 10.5 251°.82 8°.3/15.9 17

10 8	3 37.90	+43 18.9	2.600	3.312	13.7	21.3
10 18	3 30.42	+44 39.8	2.506	3.302	12.0	21.1
10 28	3 20.18	+45 43.6	2.435	3.292	10.2	21.0
11 7	3 7.92	+46 25.1	2.388	3.281	8.8	20.9
11 17	2 54.75	+46 41.2	2.368	3.271	8.3	20.8
11 27	2 42.09	+46 32.5	2.376	3.260	9.0	20.9
12 7	2 31.23	+46 3.6	2.410	3.249	10.6	20.9
12 17	2 23.11	+45 21.6	2.468	3.238	12.4	21.1

305100 2007 VJ_{49} 11 10.5 91°.21 2°.3/11.8 18

10 8	3 33.73	+23 17.8	1.876	2.703	14.3	20.7
10 18	3 26.85	+23 39.2	1.817	2.721	10.8	20.6
10 28	3 17.68	+23 49.6	1.782	2.739	6.9	20.4
11 7	3 7.15	+23 48.5	1.774	2.757	3.1	20.2
11 17	2 56.39	+23 37.6	1.794	2.775	3.2	20.2
11 27	2 46.62	+23 20.4	1.844	2.793	6.9	20.5
12 7	2 38.82	+23 2.0	1.921	2.810	10.5	20.7
12 17	2 33.58	+22 46.8	2.022	2.827	13.6	21.0

84547 2002 UX_{30} 11 10.5 233°.97 0°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.36	+17 10.7	2.078	2.918	12.6	19.9
10 18	3 24.34	+17 13.5	1.996	2.912	9.4	19.6
10 28	3 16.25	+17 10.6	1.939	2.905	5.6	19.4
11 7	3 6.80	+17 3.2	1.909	2.899	1.5	19.1
11 17	2 56.95	+16 53.1	1.910	2.892	2.8	19.2
11 27	2 47.75	+16 43.6	1.939	2.885	6.8	19.4
12 7	2 40.13	+16 38.1	1.996	2.877	10.5	19.7
12 17	2 34.74	+16 39.2	2.076	2.870	13.7	19.9

208069 1999 VO_{58} 11 10.5 18°.85 0°.2/10.6 18

10 8	3 28.97	+16 57.0	1.136	2.012	18.3	19.1
10 18	3 24.32	+17 16.9	1.088	2.021	13.5	18.9
10 28	3 16.57	+17 29.1	1.060	2.032	8.1	18.6
11 7	3 6.90	+17 34.7	1.055	2.045	2.2	18.3
11 17	2 56.89	+17 36.5	1.075	2.059	3.8	18.5
11 27	2 48.24	+17 38.9	1.119	2.074	9.4	18.8
12 7	2 42.24	+17 46.2	1.186	2.091	14.2	19.2
12 17	2 39.53	+18 1.8	1.273	2.108	18.3	19.5

487194 2014 OB_{349} 11 10.5 47°.89 4°.0/13.6 17

10 8	3 27.97	+30 56.2	1.888	2.700	14.8	21.2
10 18	3 22.72	+30 42.9	1.823	2.712	11.6	21.0
10 28	3 15.27	+30 11.0	1.781	2.724	8.1	20.8
11 7	3 6.51	+29 21.0	1.763	2.736	4.9	20.6
11 17	2 57.57	+28 16.0	1.774	2.749	4.2	20.6
11 27	2 49.61	+27 2.3	1.813	2.762	6.9	20.8
12 7	2 43.54	+25 47.5	1.878	2.775	10.3	21.0
12 17	2 39.92	+24 38.4	1.968	2.789	13.3	21.3

149022 2002 AB_{109} 11 10.5 11°.45 0°.2/10.6 18

10 8	3 27.62	+18 45.9	1.795	2.645	13.9	19.9
10 18	3 22.51	+18 37.1	1.726	2.646	10.3	19.7
10 28	3 15.20	+18 19.9	1.680	2.648	6.1	19.4
11 7	3 6.52	+17 56.2	1.660	2.649	1.7	19.1
11 17	2 57.52	+17 29.1	1.669	2.652	2.9	19.2
11 27	2 49.34	+17 3.1	1.705	2.654	7.3	19.5
12 7	2 42.93	+16 42.5	1.768	2.657	11.2	19.8
12 17	2 38.91	+16 30.8	1.853	2.661	14.5	20.0

425023 2009 FL_{22} 11 10.5 150°.92 1°.7/11.4 16

10 8	3 35.32	+22 31.1	1.656	2.489	15.6	21.9
10 18	3 28.35	+22 31.8	1.589	2.498	11.8	21.7
10 28	3 18.73	+22 20.0	1.544	2.505	7.3	21.5
11 7	3 7.47	+21 56.1	1.526	2.512	2.8	21.2
11 17	2 55.86	+21 22.8	1.536	2.519	3.3	21.3
11 27	2 45.33	+20 45.6	1.575	2.524	7.8	21.5
12 7	2 37.01	+20 10.6	1.640	2.529	12.0	21.8
12 17	2 31.57	+19 43.3	1.728	2.534	15.5	22.1

81868 2000 KZ_{77} 11 10.5 78°.69 4°.3/ 8.2 18

10 8	3 30.05	+ 5 58.8	1.893	2.745	13.1	19.1
10 18	3 23.87	+ 5 31.4	1.845	2.764	9.8	19.0
10 28	3 15.79	+ 5 7.0	1.821	2.782	6.4	18.8
11 7	3 6.64	+ 4 49.7	1.824	2.801	4.3	18.7
11 17	2 57.41	+ 4 42.6	1.857	2.819	5.6	18.8
11 27	2 49.09	+ 4 48.4	1.917	2.837	8.7	19.1
12 7	2 42.47	+ 5 7.7	2.003	2.855	11.8	19.3
12 17	2 38.05	+ 5 39.9	2.111	2.873	14.5	19.5

448454 2010 EW_{70} 11 10.5 140°.17 2°.4/ 8.8 18

10 8	3 28.49	+13 18.7	2.036	2.885	12.5	22.2
10 18	3 22.74	+12 22.0	1.973	2.894	9.1	22.0
10 28	3 15.15	+11 20.5	1.935	2.903	5.4	21.8
11 7	3 6.49	+10 18.6	1.925	2.911	2.5	21.6
11 17	2 57.66	+ 9 21.4	1.945	2.918	4.2	21.7
11 27	2 49.64	+ 8 34.0	1.994	2.926	7.7	22.0
12 7	2 43.20	+ 7 59.8	2.070	2.932	11.1	22.2
12 17	2 38.85	+ 7 40.8	2.168	2.939	13.9	22.4

74290 1998 SQ_{136} 11 10.5 162°.19 0°.5/10.3 18

10 8	3 33.39	+16 31.0	1.680	2.527	14.8	19.0
10 18	3 26.87	+16 30.1	1.611	2.530	10.9	18.7
10 28	3 17.85	+16 22.8	1.565	2.533	6.5	18.5
11 7	3 7.24	+16 10.7	1.546	2.535	1.7	18.2
11 17	2 56.26	+15 56.5	1.555	2.537	3.3	18.3
11 27	2 46.21	+15 44.3	1.593	2.539	8.0	18.6
12 7	2 38.20	+15 38.1	1.657	2.540	12.2	18.9
12 17	2 32.89	+15 40.9	1.743	2.542	15.7	19.1

173034 2006 QG_{45} 11 10.5 31°.66 0°.6/10.2 18

10 8	3 27.55	+17 51.1	1.639	2.495	14.6	20.4
10 18	3 22.54	+17 21.6	1.576	2.500	10.8	20.2
10 28	3 15.24	+16 43.0	1.536	2.506	6.3	19.9
11 7	3 6.54	+15 58.7	1.522	2.512	1.7	19.6
11 17	2 57.57	+15 13.4	1.536	2.518	3.4	19.8
11 27	2 49.55	+14 32.6	1.577	2.524	7.9	20.1
12 7	2 43.44	+14 1.5	1.643	2.531	12.0	20.3
12 17	2 39.84	+13 43.3	1.732	2.539	15.4	20.6

37100 2000 UH_{96} 11 10.5 141°.37 2°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.25	+26 50.9	1.837	2.659	14.8	19.5
10 18	3 25.22	+26 46.1	1.766	2.665	11.4	19.3
10 28	3 16.83	+26 25.7	1.717	2.670	7.5	19.0
11 7	3 6.97	+25 50.1	1.694	2.674	3.8	18.8
11 17	2 56.79	+25 2.0	1.699	2.679	3.6	18.8
11 27	2 47.55	+24 6.9	1.733	2.683	7.1	19.1
12 7	2 40.28	+23 11.6	1.794	2.687	10.9	19.3
12 17	2 35.60	+22 22.4	1.878	2.690	14.2	19.5

385091 2012 VG_{3} 11 10.5 331°.65 1°.6/ 9.2 18

10 8	3 22.49	+13 20.0	2.572	3.422	10.1	20.7
10 18	3 18.21	+12 54.1	2.490	3.412	7.4	20.5
10 28	3 12.47	+12 25.1	2.433	3.401	4.4	20.3
11 7	3 5.81	+11 55.3	2.404	3.391	1.7	20.1
11 17	2 58.88	+11 27.6	2.404	3.381	3.1	20.2
11 27	2 52.42	+11 5.3	2.434	3.372	6.2	20.4
12 7	2 47.09	+10 50.9	2.492	3.363	9.1	20.5
12 17	2 43.35	+10 46.1	2.573	3.354	11.7	20.7

226474 2003 SS_{175} 11 10.5 19°.04 3°.7/13.3 17

10 8	3 27.62	+29 28.3	2.114	2.924	13.5	20.0
10 18	3 22.39	+29 31.5	2.037	2.926	10.6	19.8
10 28	3 15.10	+29 19.5	1.984	2.928	7.4	19.7
11 7	3 6.52	+28 52.1	1.956	2.930	4.4	19.5
11 17	2 57.62	+28 11.3	1.957	2.932	4.0	19.5
11 27	2 49.49	+27 21.2	1.986	2.934	6.5	19.6
12 7	2 43.02	+26 27.9	2.043	2.936	9.7	19.8
12 17	2 38.81	+25 37.2	2.124	2.939	12.7	20.0

479445 2013 YE_{114} 11 10.5 240°.42 0°.5/10.9 18

10 8	3 30.79	+20 16.6	1.811	2.652	14.2	22.1
10 18	3 24.99	+20 0.9	1.727	2.642	10.6	21.9
10 28	3 16.79	+19 34.4	1.666	2.631	6.4	21.6
11 7	3 7.00	+18 58.9	1.632	2.620	1.9	21.3
11 17	2 56.72	+18 17.6	1.626	2.609	3.0	21.3
11 27	2 47.20	+17 35.8	1.649	2.597	7.6	21.6
12 7	2 39.52	+16 59.1	1.699	2.585	11.7	21.8
12 17	2 34.40	+16 32.0	1.771	2.573	15.3	22.0

269300 Diego 11 10.5 313°.45 1°.8/ 9.3 17

10 8	3 25.50	+13 4.7	2.223	3.074	11.5	20.7
10 18	3 20.59	+12 39.4	2.146	3.068	8.4	20.5
10 28	3 13.94	+12 10.7	2.094	3.063	5.0	20.3
11 7	3 6.21	+11 41.4	2.070	3.057	2.0	20.0
11 17	2 58.19	+11 14.8	2.075	3.051	3.5	20.1
11 27	2 50.76	+10 54.4	2.109	3.046	7.0	20.4
12 7	2 44.69	+10 43.2	2.169	3.041	10.2	20.6
12 17	2 40.52	+10 42.7	2.253	3.036	13.1	20.7

261455 2005 VS_{52} 11 10.5 319°.49 2°.8/ 9.0 18

10 8	3 28.44	+ 9 52.4	1.943	2.797	12.8	20.1
10 18	3 22.96	+ 9 41.3	1.868	2.791	9.4	19.9
10 28	3 15.44	+ 9 29.9	1.818	2.785	5.8	19.7
11 7	3 6.62	+ 9 21.1	1.795	2.780	2.9	19.5
11 17	2 57.44	+ 9 18.0	1.801	2.775	4.4	19.6
11 27	2 48.95	+ 9 23.3	1.835	2.770	8.0	19.8
12 7	2 42.05	+ 9 38.9	1.895	2.765	11.6	20.0
12 17	2 37.36	+10 5.6	1.978	2.760	14.7	20.2

471003 2009 SY_{223} 11 10.5 90°.07 0°.3/10.4 16

10 8	3 33.16	+18 43.3	1.505	2.355	16.0	21.8
10 18	3 26.63	+18 13.8	1.455	2.376	11.8	21.6
10 28	3 17.60	+17 34.0	1.428	2.396	6.9	21.4
11 7	3 7.16	+16 47.3	1.427	2.416	1.8	21.1
11 17	2 56.62	+15 58.8	1.454	2.436	3.4	21.3
11 27	2 47.34	+15 14.9	1.508	2.455	8.2	21.6
12 7	2 40.33	+14 40.9	1.588	2.474	12.5	21.9
12 17	2 36.13	+14 20.3	1.690	2.493	15.9	22.2

108015 2001 FU_{144} 11 10.5 68°.34 0°.3/10.5 18

10 8	3 40.40	+13 3.6	1.726	2.563	14.9	18.2
10 18	3 32.02	+14 5.6	1.658	2.571	11.1	17.9
10 28	3 20.95	+15 7.7	1.614	2.579	6.6	17.7
11 7	3 8.11	+16 8.3	1.598	2.587	1.7	17.4
11 17	2 54.79	+17 6.1	1.614	2.596	3.2	17.5
11 27	2 42.45	+18 0.8	1.660	2.604	7.9	17.8
12 7	2 32.27	+18 53.7	1.734	2.613	12.0	18.1
12 17	2 25.00	+19 46.7	1.832	2.621	15.4	18.4

14039 1995 KZ_{1} 11 10.5 167°.94 0°.4/10.1 18

10 8	3 24.87	+19 5.0	2.641	3.476	10.4	17.8
10 18	3 19.84	+18 13.1	2.564	3.478	7.6	17.6
10 28	3 13.37	+17 13.4	2.514	3.480	4.5	17.4
11 7	3 6.04	+16 8.6	2.493	3.482	1.2	17.2
11 17	2 58.56	+15 2.7	2.502	3.483	2.4	17.3
11 27	2 51.66	+14 0.0	2.543	3.484	5.7	17.5
12 7	2 45.95	+13 4.8	2.611	3.485	8.6	17.7
12 17	2 41.89	+12 19.9	2.705	3.486	11.2	17.9

34821 2001 SF_{129} 11 10.5 261°.09 1°.4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.89	+16 3.0	2.091	2.939	12.3	19.1
10 18	3 21.79	+15 17.1	2.004	2.925	9.0	18.8
10 28	3 14.74	+14 23.5	1.942	2.910	5.3	18.6
11 7	3 6.45	+13 25.6	1.907	2.896	1.7	18.3
11 17	2 57.78	+12 27.9	1.903	2.881	3.4	18.4
11 27	2 49.74	+11 35.9	1.927	2.866	7.4	18.6
12 7	2 43.17	+10 54.2	1.978	2.851	11.0	18.8
12 17	2 38.67	+10 25.9	2.052	2.836	14.2	19.0

398811 2013 BS_{39} 11 10.5 107°.74 2°.0/ 9.2 18

10 8	3 28.34	+13 26.3	1.932	2.784	12.9	21.5
10 18	3 22.76	+12 50.0	1.870	2.792	9.4	21.3
10 28	3 15.24	+12 9.4	1.832	2.800	5.6	21.1
11 7	3 6.57	+11 28.2	1.821	2.808	2.3	20.9
11 17	2 57.69	+10 50.7	1.839	2.815	3.9	21.0
11 27	2 49.63	+10 21.2	1.886	2.823	7.7	21.3
12 7	2 43.22	+10 2.9	1.959	2.830	11.2	21.5
12 17	2 38.98	+ 9 57.7	2.054	2.837	14.2	21.7

381737 2009 RU_{61} 11 10.5 27°.95 1°.5/11.1 18

10 8	3 29.54	+20 39.2	0.971	1.850	20.4	19.7
10 18	3 25.05	+20 46.8	0.932	1.865	15.2	19.4
10 28	3 17.09	+20 39.5	0.912	1.882	9.3	19.2
11 7	3 7.09	+20 19.1	0.913	1.901	3.1	18.9
11 17	2 56.88	+19 50.4	0.937	1.921	4.0	19.0
11 27	2 48.37	+19 21.0	0.984	1.942	9.8	19.4
12 7	2 42.85	+18 58.4	1.054	1.965	15.0	19.8
12 17	2 40.94	+18 47.4	1.142	1.988	19.2	20.2

383538 2007 DT_{64} 11 10.5 88°.52 4°.1/12.9 18

10 8	3 34.17	+28 15.3	1.603	2.425	16.6	20.6
10 18	3 27.61	+28 30.3	1.545	2.441	12.9	20.4
10 28	3 18.33	+28 27.6	1.508	2.457	8.8	20.2
11 7	3 7.41	+28 6.4	1.496	2.473	5.0	20.1
11 17	2 56.23	+27 28.9	1.512	2.488	4.5	20.1
11 27	2 46.27	+26 40.9	1.555	2.504	7.9	20.3
12 7	2 38.66	+25 50.2	1.624	2.519	11.7	20.6
12 17	2 34.03	+25 3.9	1.716	2.534	15.1	20.8

482335 2011 UJ_{351} 11 10.5 319°.52 1°.8/ 9.6 18

10 8	3 28.28	+13 33.6	1.727	2.585	13.9	21.0
10 18	3 23.12	+13 17.1	1.652	2.577	10.3	20.8
10 28	3 15.67	+12 56.3	1.600	2.570	6.1	20.5
11 7	3 6.74	+12 34.3	1.575	2.563	2.2	20.3
11 17	2 57.37	+12 14.7	1.577	2.556	4.0	20.4
11 27	2 48.77	+12 1.7	1.607	2.549	8.3	20.6
12 7	2 41.96	+11 58.8	1.662	2.543	12.3	20.9
12 17	2 37.61	+12 7.7	1.740	2.537	15.8	21.1

521891 2015 TF_{383} 11 10.5 9°.91 3°.3/ 8.0 18

10 8	3 24.73	+12 1.0	1.771	2.634	13.3	20.6
10 18	3 20.29	+10 48.4	1.707	2.636	9.8	20.4
10 28	3 13.86	+ 9 30.9	1.668	2.637	6.0	20.2
11 7	3 6.23	+ 8 14.6	1.656	2.639	3.4	20.0
11 17	2 58.36	+ 7 5.9	1.671	2.641	5.2	20.2
11 27	2 51.31	+ 6 11.2	1.714	2.644	8.9	20.4
12 7	2 45.91	+ 5 34.1	1.782	2.647	12.5	20.6
12 17	2 42.71	+ 5 16.3	1.872	2.650	15.5	20.8

11197 Beranek 11 10.5 117°.05 1°.5/ 9.7 18

10 8	3 31.77	+14 56.5	1.776	2.624	14.0	18.5
10 18	3 25.38	+14 29.0	1.718	2.638	10.3	18.3
10 28	3 16.83	+13 55.8	1.684	2.652	6.0	18.1
11 7	3 7.00	+13 20.2	1.677	2.665	1.9	17.9
11 17	2 57.00	+12 46.5	1.699	2.678	3.7	18.0
11 27	2 47.98	+12 19.2	1.749	2.690	7.9	18.3
12 7	2 40.86	+12 1.9	1.826	2.702	11.7	18.6
12 17	2 36.18	+11 56.8	1.925	2.713	14.8	18.8

484055 2006 GG_{45} 11 10.5 176°.39 3°.7/13.6 17

10 8	3 29.57	+31 1.2	2.859	3.644	11.0	22.3
10 18	3 23.43	+31 22.7	2.775	3.645	8.7	22.1
10 28	3 15.60	+31 32.3	2.716	3.647	6.3	22.0
11 7	3 6.70	+31 29.1	2.684	3.647	4.2	21.8
11 17	2 57.49	+31 13.5	2.682	3.648	3.8	21.8
11 27	2 48.82	+30 48.0	2.710	3.648	5.6	21.9
12 7	2 41.45	+30 16.5	2.767	3.648	7.9	22.1
12 17	2 35.92	+29 43.2	2.849	3.648	10.2	22.2

173551 2000 YH_{17} 11 10.5 41°.43 5°.3/ 8.7 18

10 8	3 32.40	+ 7 12.4	1.096	1.974	18.6	19.1
10 18	3 26.70	+ 6 48.0	1.055	1.988	13.9	18.9
10 28	3 17.91	+ 6 27.2	1.033	2.002	8.8	18.7
11 7	3 7.31	+ 6 15.9	1.035	2.017	5.4	18.5
11 17	2 56.54	+ 6 18.9	1.062	2.033	7.2	18.7
11 27	2 47.29	+ 6 39.3	1.112	2.049	11.8	19.0
12 7	2 40.74	+ 7 17.1	1.184	2.066	16.2	19.3
12 17	2 37.52	+ 8 10.6	1.276	2.083	19.9	19.6

279250 2009 VL_{40} 11 10.6 297°.64 0°.7/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.26	+17 27.6	2.173	3.019	11.9	20.8
10 18	3 20.53	+16 53.4	2.089	3.009	8.8	20.6
10 28	3 13.99	+16 11.4	2.030	2.998	5.2	20.4
11 7	3 6.29	+15 24.6	1.999	2.988	1.4	20.1
11 17	2 58.26	+14 36.7	1.997	2.978	2.9	20.2
11 27	2 50.83	+13 52.3	2.024	2.968	6.7	20.4
12 7	2 44.81	+13 15.8	2.078	2.958	10.2	20.6
12 17	2 40.76	+12 50.1	2.155	2.948	13.3	20.8

246382 2007 UJ_{3} 11 10.6 117°.61 7°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.41	+41 1.9	2.182	2.922	15.3	20.9
10 18	3 29.82	+41 45.6	2.116	2.939	12.9	20.7
10 28	3 19.62	+42 7.6	2.071	2.956	10.5	20.6
11 7	3 7.78	+42 4.4	2.051	2.973	8.4	20.5
11 17	2 55.62	+41 35.5	2.058	2.989	7.7	20.5
11 27	2 44.53	+40 44.8	2.092	3.005	8.6	20.6
12 7	2 35.65	+39 39.5	2.153	3.020	10.5	20.7
12 17	2 29.63	+38 28.2	2.238	3.034	12.7	20.9

515855 2015 OA_{73} 11 10.6 78°.91 6°.1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.29	+ 3 28.7	1.724	2.584	13.9	21.2
10 18	3 22.83	+ 2 26.7	1.673	2.593	10.6	21.1
10 28	3 15.33	+ 1 29.4	1.646	2.603	7.5	20.9
11 7	3 6.63	+ 0 42.9	1.645	2.612	6.1	20.8
11 17	2 57.77	+ 0 12.6	1.672	2.621	7.5	21.0
11 27	2 49.82	+ 0 2.1	1.724	2.631	10.5	21.2
12 7	2 43.65	+ 0 12.0	1.801	2.640	13.6	21.4
12 17	2 39.77	+ 0 40.9	1.898	2.649	16.3	21.6

271354 2003 WS_{164} 11 10.6 295°.03 0°.3/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.61	+17 47.6	2.269	3.112	11.6	21.4
10 18	3 20.76	+17 26.7	2.182	3.100	8.6	21.1
10 28	3 14.12	+16 58.9	2.121	3.088	5.1	20.9
11 7	3 6.34	+16 26.1	2.086	3.076	1.3	20.6
11 17	2 58.21	+15 51.4	2.082	3.064	2.6	20.7
11 27	2 50.63	+15 18.8	2.106	3.051	6.4	20.9
12 7	2 44.40	+14 51.9	2.158	3.040	9.8	21.1
12 17	2 40.08	+14 33.9	2.233	3.028	12.8	21.3

211771 2004 BO_{80} 11 10.6 69°.90 2°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.40	+13 58.0	1.771	2.627	13.7	19.9
10 18	3 22.97	+13 23.4	1.711	2.635	10.0	19.7
10 28	3 15.44	+12 43.9	1.675	2.644	5.9	19.5
11 7	3 6.67	+12 3.3	1.666	2.654	2.2	19.3
11 17	2 57.69	+11 26.1	1.685	2.663	4.0	19.4
11 27	2 49.61	+10 57.1	1.732	2.672	8.0	19.7
12 7	2 43.30	+10 39.6	1.805	2.681	11.7	19.9
12 17	2 39.33	+10 35.6	1.900	2.690	14.9	20.2

348322 2005 CS_{13} 11 10.6 9°.51 4°.1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.84	+ 9 19.5	0.883	1.785	19.7	18.3
10 18	3 21.02	+ 9 20.2	0.843	1.789	14.6	18.0
10 28	3 14.83	+ 9 22.9	0.821	1.796	9.0	17.7
11 7	3 6.56	+ 9 32.7	0.819	1.806	4.3	17.5
11 17	2 57.94	+ 9 53.5	0.839	1.818	6.4	17.7
11 27	2 50.80	+10 27.9	0.882	1.833	11.7	18.1
12 7	2 46.47	+11 16.4	0.944	1.851	16.7	18.4
12 17	2 45.60	+12 17.4	1.023	1.871	20.9	18.7

102745 1999 VZ_{111} 11 10.6 73°.23 2°.8/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.88	+ 9 23.1	1.672	2.524	14.6	18.6
10 18	3 27.04	+ 9 29.8	1.617	2.538	10.8	18.4
10 28	3 17.88	+ 9 37.5	1.585	2.552	6.5	18.2
11 7	3 7.32	+ 9 48.6	1.581	2.566	3.0	18.0
11 17	2 56.56	+10 5.0	1.605	2.580	4.6	18.2
11 27	2 46.83	+10 28.8	1.657	2.594	8.6	18.5
12 7	2 39.11	+11 1.0	1.736	2.608	12.3	18.7
12 17	2 34.00	+11 42.0	1.836	2.622	15.5	19.0

395867 2013 AJ_{19} 11 10.6 357°.59 3°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.49	+10 28.0	1.306	2.184	16.3	20.5
10 18	3 22.27	+ 9 56.8	1.245	2.180	12.1	20.2
10 28	3 15.35	+ 9 23.7	1.206	2.177	7.4	19.9
11 7	3 6.70	+ 8 54.0	1.190	2.175	3.9	19.7
11 17	2 57.63	+ 8 33.3	1.200	2.175	5.9	19.8
11 27	2 49.58	+ 8 26.6	1.235	2.175	10.4	20.1
12 7	2 43.72	+ 8 36.6	1.292	2.177	14.8	20.4
12 17	2 40.76	+ 9 3.7	1.369	2.179	18.6	20.6

430313 2013 XU_{12} 11 10.6 92°.49 4°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.76	+27 27.5	1.473	2.300	17.5	21.4
10 18	3 29.04	+27 52.5	1.415	2.314	13.6	21.2
10 28	3 19.32	+27 59.8	1.377	2.328	9.2	20.9
11 7	3 7.74	+27 48.0	1.364	2.342	5.2	20.8
11 17	2 55.83	+27 18.7	1.379	2.356	4.8	20.8
11 27	2 45.21	+26 37.7	1.420	2.369	8.4	21.0
12 7	2 37.16	+25 53.1	1.486	2.382	12.5	21.3
12 17	2 32.34	+25 12.7	1.575	2.395	16.1	21.6

384355 2009 UW_{33} 11 10.6 351°.13 0°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.02	+16 1.0	1.086	1.968	18.5	20.5
10 18	3 23.30	+16 0.7	1.023	1.959	13.8	20.2
10 28	3 16.27	+15 52.6	0.979	1.953	8.2	19.9
11 7	3 7.00	+15 39.3	0.957	1.947	2.2	19.5
11 17	2 57.07	+15 25.1	0.960	1.943	4.4	19.6
11 27	2 48.30	+15 15.8	0.986	1.940	10.3	20.0
12 7	2 42.18	+15 16.7	1.033	1.939	15.7	20.3
12 17	2 39.55	+15 30.8	1.099	1.939	20.2	20.5

514595 2002 WF_{22} 11 10.6 7°.74 0°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.13	+16 39.6	1.022	1.907	19.2	20.4
10 18	3 23.36	+16 35.5	0.969	1.907	14.2	20.1
10 28	3 16.25	+16 22.0	0.935	1.909	8.4	19.8
11 7	3 6.97	+16 2.3	0.923	1.913	2.2	19.5
11 17	2 57.20	+15 41.4	0.934	1.918	4.3	19.7
11 27	2 48.79	+15 25.7	0.969	1.924	10.3	20.0
12 7	2 43.16	+15 20.7	1.025	1.932	15.6	20.3
12 17	2 41.04	+15 29.6	1.099	1.942	20.0	20.6

170583 2003 XO_{20} 11 10.6 29°.06 1°.8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.25	+22 52.2	1.557	2.403	15.8	20.3
10 18	3 24.06	+22 49.1	1.493	2.408	11.9	20.1
10 28	3 16.30	+22 32.6	1.451	2.414	7.5	19.9
11 7	3 6.94	+22 3.9	1.433	2.420	2.9	19.6
11 17	2 57.24	+21 26.2	1.443	2.426	3.3	19.6
11 27	2 48.56	+20 45.3	1.480	2.433	7.8	19.9
12 7	2 42.00	+20 7.6	1.542	2.440	12.0	20.2
12 17	2 38.21	+19 38.3	1.626	2.447	15.6	20.5

103362 2000 AV_{95} 11 10.6 287°.47 4°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.78	+ 8 23.9	1.476	2.342	15.4	19.6
10 18	3 24.66	+ 7 37.8	1.396	2.324	11.6	19.4
10 28	3 16.83	+ 6 50.1	1.339	2.305	7.5	19.1
11 7	3 7.14	+ 6 6.8	1.306	2.287	4.8	18.9
11 17	2 56.80	+ 5 34.3	1.300	2.268	6.7	19.0
11 27	2 47.25	+ 5 18.3	1.320	2.249	11.0	19.2
12 7	2 39.72	+ 5 22.1	1.363	2.230	15.4	19.4
12 17	2 35.05	+ 5 46.2	1.426	2.212	19.2	19.6

477361 2009 US_{93} 11 10.6 11°.11 1°.0/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.80	+19 14.3	0.974	1.858	19.9	20.6
10 18	3 23.25	+19 26.2	0.925	1.861	14.9	20.3
10 28	3 16.23	+19 25.6	0.894	1.866	9.0	20.0
11 7	3 6.97	+19 14.2	0.884	1.873	2.7	19.7
11 17	2 57.24	+18 55.9	0.897	1.882	4.0	19.8
11 27	2 48.97	+18 37.3	0.933	1.892	10.1	20.2
12 7	2 43.60	+18 25.4	0.990	1.904	15.5	20.5
12 17	2 41.86	+18 24.6	1.066	1.917	19.9	20.8

305248 2007 XP_{42} 11 10.6 312°.71 5°.5/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.02	+31 21.5	1.720	2.532	16.0	20.4
10 18	3 24.91	+31 50.8	1.633	2.520	12.9	20.1
10 28	3 17.02	+32 2.1	1.568	2.507	9.4	19.9
11 7	3 7.20	+31 52.8	1.527	2.495	6.3	19.7
11 17	2 56.70	+31 22.9	1.513	2.482	5.7	19.6
11 27	2 47.00	+30 36.6	1.525	2.471	8.3	19.8
12 7	2 39.40	+29 41.4	1.563	2.459	12.0	19.9
12 17	2 34.74	+28 45.6	1.623	2.449	15.4	20.1

223412 2003 SK_{183} 11 10.6 161°.40 2°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.22	+24 56.0	2.427	3.243	11.8	20.2
10 18	3 23.34	+25 10.1	2.348	3.245	9.0	20.0
10 28	3 15.63	+25 14.3	2.293	3.246	5.9	19.8
11 7	3 6.76	+25 8.5	2.267	3.248	3.0	19.6
11 17	2 57.58	+24 53.6	2.270	3.249	2.9	19.6
11 27	2 49.01	+24 32.8	2.303	3.251	5.8	19.8
12 7	2 41.88	+24 9.8	2.365	3.252	8.9	20.0
12 17	2 36.73	+23 48.7	2.451	3.253	11.6	20.2

487257 2014 PX_{33} 11 10.6 62°.78 5°.1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.88	+ 3 41.1	2.029	2.883	12.3	20.4
10 18	3 21.54	+ 2 57.2	1.978	2.896	9.3	20.2
10 28	3 14.48	+ 2 17.4	1.952	2.908	6.5	20.1
11 7	3 6.43	+ 1 46.6	1.953	2.921	5.1	20.0
11 17	2 58.25	+ 1 28.6	1.982	2.935	6.3	20.1
11 27	2 50.86	+ 1 26.1	2.039	2.948	9.0	20.3
12 7	2 44.96	+ 1 39.6	2.121	2.961	11.8	20.5
12 17	2 41.05	+ 2 8.3	2.225	2.974	14.2	20.7

68268 2001 EX_{18} 11 10.6 141°.83 4°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.08	+32 34.4	2.563	3.348	12.1	19.2
10 18	3 23.20	+32 39.2	2.486	3.355	9.7	19.0
10 28	3 15.51	+32 29.3	2.432	3.361	7.0	18.9
11 7	3 6.72	+32 4.2	2.405	3.367	4.7	18.7
11 17	2 57.70	+31 25.1	2.407	3.373	4.2	18.7
11 27	2 49.36	+30 35.5	2.438	3.379	5.9	18.8
12 7	2 42.51	+29 40.8	2.498	3.384	8.5	19.0
12 17	2 37.66	+28 46.2	2.584	3.390	11.0	19.2

305490 2008 EC_{14} 11 10.6 342°.47 3°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.24	+ 8 43.9	1.968	2.824	12.5	20.7
10 18	3 22.01	+ 8 4.1	1.901	2.824	9.3	20.5
10 28	3 14.87	+ 7 23.9	1.859	2.824	5.9	20.3
11 7	3 6.56	+ 6 47.5	1.843	2.824	3.6	20.1
11 17	2 57.99	+ 6 19.3	1.856	2.823	5.1	20.2
11 27	2 50.15	+ 6 2.9	1.897	2.823	8.5	20.4
12 7	2 43.85	+ 6 0.6	1.964	2.823	11.8	20.6
12 17	2 39.65	+ 6 12.9	2.053	2.823	14.6	20.8

518808 2010 CN_{7} 11 10.6 263°.83 10°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.35	−19 19.4	2.489	3.271	12.5	21.5
10 18	3 21.78	−20 22.3	2.436	3.260	11.4	21.4
10 28	3 14.61	−21 7.3	2.407	3.250	10.8	21.3
11 7	3 6.48	−21 28.9	2.400	3.239	10.9	21.3
11 17	2 58.14	−21 23.6	2.417	3.228	11.6	21.4
11 27	2 50.42	−20 50.4	2.457	3.218	12.8	21.4
12 7	2 44.01	−19 51.5	2.518	3.207	14.2	21.5
12 17	2 39.40	−18 30.8	2.596	3.196	15.6	21.6

135595 2002 GS_{159} 11 10.6 129°.63 3°.6/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.06	+28 7.7	1.718	2.532	16.0	21.0
10 18	3 28.88	+28 11.0	1.654	2.547	12.4	20.8
10 28	3 19.08	+27 57.0	1.613	2.562	8.3	20.6
11 7	3 7.69	+27 25.2	1.598	2.576	4.6	20.4
11 17	2 56.06	+26 38.1	1.611	2.589	4.1	20.4
11 27	2 45.61	+25 41.9	1.653	2.601	7.6	20.6
12 7	2 37.42	+24 44.2	1.722	2.613	11.4	20.9
12 17	2 32.14	+23 52.0	1.814	2.624	14.7	21.1

15868 Akiyoshidai 11 10.6 60°.92 3°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.35	+12 9.4	1.200	2.070	17.9	17.8
10 18	3 27.22	+11 42.9	1.158	2.089	13.1	17.6
10 28	3 18.16	+11 13.1	1.136	2.107	7.8	17.4
11 7	3 7.44	+10 45.1	1.139	2.126	3.3	17.1
11 17	2 56.60	+10 23.9	1.167	2.145	5.4	17.3
11 27	2 47.22	+10 14.7	1.221	2.164	10.3	17.7
12 7	2 40.46	+10 20.3	1.298	2.183	14.8	18.0
12 17	2 36.88	+10 41.1	1.394	2.202	18.5	18.3

59262 1999 CY_{29} 11 10.6 335°.61 3°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.94	+23 47.3	1.218	2.079	18.3	18.4
10 18	3 24.00	+24 4.1	1.143	2.065	14.1	18.1
10 28	3 16.77	+24 5.0	1.088	2.052	9.2	17.8
11 7	3 7.20	+23 49.4	1.056	2.041	4.2	17.4
11 17	2 56.81	+23 19.3	1.047	2.030	4.3	17.4
11 27	2 47.46	+22 40.8	1.064	2.020	9.4	17.7
12 7	2 40.67	+22 2.6	1.103	2.012	14.6	18.0
12 17	2 37.40	+21 32.2	1.161	2.005	19.1	18.2

292199 2006 SM_{34} 11 10.6 67°.60 1°.7/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.37	+15 14.1	1.828	2.683	13.4	20.5
10 18	3 22.23	+14 28.3	1.764	2.688	9.8	20.3
10 28	3 15.04	+13 35.9	1.723	2.693	5.8	20.1
11 7	3 6.63	+12 41.0	1.710	2.698	2.0	19.9
11 17	2 57.98	+11 48.6	1.725	2.703	3.8	20.0
11 27	2 50.18	+11 4.2	1.768	2.708	7.8	20.3
12 7	2 44.08	+10 32.0	1.837	2.713	11.6	20.5
12 17	2 40.24	+10 14.3	1.928	2.719	14.7	20.7

405497 2004 XS_{191} 11 10.6 322°.53 3°.5/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.02	+24 26.9	1.834	2.664	14.5	20.1
10 18	3 25.57	+25 19.4	1.738	2.641	11.3	19.8
10 28	3 17.45	+26 3.2	1.664	2.618	7.6	19.5
11 7	3 7.38	+26 35.7	1.617	2.596	4.2	19.3
11 17	2 56.45	+26 55.8	1.597	2.574	4.2	19.2
11 27	2 46.02	+27 4.7	1.606	2.554	7.8	19.4
12 7	2 37.39	+27 6.7	1.640	2.533	11.7	19.6
12 17	2 31.48	+27 6.8	1.698	2.514	15.3	19.8

322246 2011 CR_{85} 11 10.6 238°.69 1°.7/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.41	+13 11.0	2.517	3.363	10.5	21.3
10 18	3 20.39	+12 39.1	2.437	3.356	7.7	21.1
10 28	3 13.83	+12 3.7	2.382	3.350	4.6	20.9
11 7	3 6.31	+11 27.5	2.357	3.343	1.9	20.7
11 17	2 58.53	+10 53.9	2.361	3.336	3.3	20.8
11 27	2 51.27	+10 26.1	2.395	3.330	6.4	21.0
12 7	2 45.22	+10 6.9	2.456	3.322	9.4	21.2
12 17	2 40.86	+ 9 58.2	2.541	3.315	12.0	21.4

452752 2006 BJ_{211} 11 10.6 239°.55 0°.5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.56	+16 55.3	2.485	3.324	10.8	22.3
10 18	3 21.31	+16 36.5	2.401	3.316	8.0	22.1
10 28	3 14.41	+16 12.0	2.342	3.308	4.7	21.9
11 7	3 6.47	+15 43.6	2.311	3.300	1.3	21.6
11 17	2 58.24	+15 14.2	2.310	3.291	2.5	21.7
11 27	2 50.53	+14 47.0	2.339	3.282	6.0	21.9
12 7	2 44.08	+14 25.3	2.396	3.273	9.2	22.1
12 17	2 39.40	+14 11.6	2.478	3.264	11.9	22.3

364102 2005 YJ_{234} 11 10.6 107°.91 4°.5/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.53	+ 3 54.7	2.244	3.092	11.5	20.6
10 18	3 21.95	+ 3 22.5	2.184	3.099	8.7	20.4
10 28	3 14.73	+ 2 53.9	2.149	3.105	6.0	20.3
11 7	3 6.54	+ 2 33.0	2.142	3.112	4.5	20.2
11 17	2 58.17	+ 2 22.9	2.164	3.118	5.7	20.3
11 27	2 50.48	+ 2 26.0	2.214	3.124	8.3	20.5
12 7	2 44.17	+ 2 43.0	2.290	3.130	11.0	20.7
12 17	2 39.72	+ 3 13.3	2.389	3.136	13.4	20.9

182242 2001 ED_{21} 11 10.6 215°.85 1°.1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.29	+17 21.0	1.806	2.651	14.0	20.8
10 18	3 25.30	+16 37.0	1.725	2.644	10.3	20.6
10 28	3 16.99	+15 43.4	1.669	2.637	6.1	20.3
11 7	3 7.19	+14 43.5	1.639	2.628	1.7	20.0
11 17	2 56.98	+13 42.5	1.639	2.619	3.6	20.1
11 27	2 47.57	+12 46.6	1.668	2.610	8.1	20.4
12 7	2 40.00	+12 1.6	1.722	2.599	12.2	20.6
12 17	2 34.92	+11 31.1	1.800	2.588	15.7	20.8

163789 2003 QS_{42} 11 10.6 341°.27 7°.7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.17	+ 2 0.4	1.521	2.389	14.9	19.3
10 18	3 21.67	+ 0 31.4	1.463	2.385	11.6	19.1
10 28	3 14.85	− 0 52.8	1.428	2.381	8.7	19.0
11 7	3 6.61	− 2 3.4	1.418	2.377	7.7	18.9
11 17	2 58.05	− 2 52.6	1.433	2.374	9.4	19.0
11 27	2 50.38	− 3 15.4	1.474	2.372	12.6	19.2
12 7	2 44.59	− 3 10.8	1.536	2.369	15.8	19.4
12 17	2 41.30	− 2 40.9	1.616	2.367	18.7	19.6

429788 2012 HN_{27} 11 10.6 164°.13 1°.3/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.03	+16 24.4	1.714	2.562	14.5	22.4
10 18	3 25.80	+15 42.5	1.647	2.567	10.6	22.2
10 28	3 17.23	+14 52.2	1.603	2.571	6.3	22.0
11 7	3 7.24	+13 57.5	1.586	2.575	1.9	21.7
11 17	2 56.97	+13 3.4	1.598	2.578	3.8	21.8
11 27	2 47.65	+12 16.1	1.639	2.580	8.2	22.1
12 7	2 40.29	+11 40.4	1.705	2.582	12.3	22.4
12 17	2 35.49	+11 19.5	1.794	2.583	15.7	22.6

461248 2015 XG_{2} 11 10.6 348°.53 0°.6/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.20	+16 58.0	1.673	2.531	14.3	20.6
10 18	3 21.71	+16 43.5	1.600	2.525	10.5	20.4
10 28	3 14.92	+16 21.6	1.550	2.520	6.3	20.1
11 7	3 6.65	+15 54.7	1.526	2.515	1.7	19.8
11 17	2 57.97	+15 26.6	1.529	2.511	3.3	19.9
11 27	2 50.09	+15 2.0	1.559	2.508	7.9	20.2
12 7	2 44.01	+14 45.2	1.614	2.505	12.0	20.5
12 17	2 40.40	+14 39.4	1.692	2.503	15.5	20.7

228037 2008 GQ_{68} 11 10.6 90°.21 3°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.70	+11 13.2	1.506	2.365	15.5	20.6
10 18	3 26.38	+10 47.1	1.453	2.378	11.4	20.4
10 28	3 17.59	+10 18.9	1.423	2.392	6.9	20.2
11 7	3 7.33	+ 9 52.7	1.419	2.405	3.2	20.0
11 17	2 56.88	+ 9 33.1	1.443	2.418	5.0	20.1
11 27	2 47.56	+ 9 24.3	1.494	2.431	9.3	20.4
12 7	2 40.41	+ 9 28.6	1.569	2.444	13.3	20.7
12 17	2 36.01	+ 9 46.9	1.666	2.457	16.7	21.0

487638 2015 OQ_{19} 11 10.6 80°.68 6°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.90	+ 3 28.9	1.787	2.646	13.5	21.1
10 18	3 22.41	+ 2 4.5	1.745	2.664	10.3	20.9
10 28	3 15.04	+ 0 44.7	1.728	2.682	7.4	20.8
11 7	3 6.62	− 0 23.5	1.737	2.700	6.2	20.7
11 17	2 58.14	− 1 14.0	1.774	2.718	7.7	20.9
11 27	2 50.60	− 1 43.1	1.838	2.736	10.5	21.1
12 7	2 44.76	− 1 49.9	1.925	2.753	13.3	21.3
12 17	2 41.11	− 1 36.0	2.033	2.771	15.8	21.5

68595 2002 AN_{37} 11 10.6 89°.07 2°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.60	+25 7.6	1.622	2.456	15.8	19.2
10 18	3 25.59	+24 42.5	1.563	2.471	12.0	19.0
10 28	3 17.11	+24 1.2	1.527	2.486	7.6	18.7
11 7	3 7.20	+23 5.8	1.516	2.502	3.2	18.5
11 17	2 57.12	+22 0.7	1.534	2.516	3.2	18.6
11 27	2 48.20	+20 53.1	1.580	2.531	7.5	18.8
12 7	2 41.43	+19 50.7	1.651	2.546	11.6	19.1
12 17	2 37.40	+18 59.1	1.746	2.560	15.0	19.4

452994 2007 GS_{73} 11 10.6 166°.99 3°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.30	+ 3 15.9	2.769	3.606	9.9	20.7
10 18	3 22.26	+ 2 56.9	2.701	3.610	7.5	20.6
10 28	3 14.84	+ 2 41.5	2.660	3.614	5.2	20.4
11 7	3 6.58	+ 2 32.6	2.648	3.617	3.9	20.4
11 17	2 58.15	+ 2 32.5	2.667	3.619	4.9	20.4
11 27	2 50.26	+ 2 42.9	2.715	3.621	7.1	20.6
12 7	2 43.52	+ 3 4.2	2.791	3.623	9.5	20.8
12 17	2 38.36	+ 3 36.3	2.891	3.625	11.6	20.9

106946 2000 YD_{76} 11 10.6 286°.86 4°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.52	+ 8 41.3	1.411	2.278	15.9	19.7
10 18	3 25.44	+ 7 51.8	1.326	2.254	12.0	19.4
10 28	3 17.45	+ 6 59.5	1.264	2.231	7.8	19.1
11 7	3 7.41	+ 6 10.9	1.226	2.207	4.9	18.9
11 17	2 56.57	+ 5 33.0	1.214	2.182	7.0	18.9
11 27	2 46.48	+ 5 12.4	1.228	2.158	11.6	19.1
12 7	2 38.50	+ 5 13.0	1.265	2.134	16.2	19.3
12 17	2 33.54	+ 5 35.6	1.321	2.110	20.3	19.5

116576 2004 BA_{91} 11 10.6 156°.11 1°.1/11.2 18 R

10 8	3 33.09	+21 47.3	1.869	2.701	14.2	20.3
10 18	3 26.50	+21 33.2	1.799	2.708	10.6	20.1
10 28	3 17.63	+21 7.8	1.752	2.715	6.5	19.9
11 7	3 7.36	+20 32.4	1.733	2.721	2.2	19.6
11 17	2 56.80	+19 50.3	1.743	2.726	2.8	19.7
11 27	2 47.16	+19 6.6	1.783	2.731	7.1	20.0
12 7	2 39.43	+18 27.0	1.849	2.735	11.0	20.2
12 17	2 34.22	+17 55.9	1.939	2.738	14.3	20.4

299077 2005 EB_{12} 11 10.6 256°.60 5°.2/ 7.1 18

10 8	3 28.16	+ 5 6.7	1.892	2.748	13.0	21.2
10 18	3 22.85	+ 4 10.8	1.817	2.737	9.9	21.0
10 28	3 15.48	+ 3 16.4	1.767	2.726	6.8	20.8
11 7	3 6.80	+ 2 29.2	1.743	2.714	5.2	20.7
11 17	2 57.74	+ 1 54.6	1.748	2.703	6.8	20.8
11 27	2 49.37	+ 1 36.9	1.780	2.691	9.9	20.9
12 7	2 42.59	+ 1 38.1	1.836	2.679	13.2	21.1
12 17	2 38.02	+ 1 57.8	1.914	2.667	16.1	21.3

172161 2002 NR_{34} 11 10.6 46°.97 8°.7/ 5.7 18

10 8	3 27.86	− 1 10.0	1.462	2.327	15.6	19.0
10 18	3 22.69	− 2 33.4	1.429	2.344	12.3	18.9
10 28	3 15.30	− 3 45.5	1.418	2.363	9.6	18.8
11 7	3 6.70	− 4 38.2	1.431	2.381	8.7	18.8
11 17	2 58.05	− 5 5.5	1.469	2.400	10.1	18.9
11 27	2 50.53	− 5 4.8	1.531	2.420	12.8	19.1
12 7	2 45.00	− 4 37.8	1.615	2.439	15.6	19.3
12 17	2 41.95	− 3 48.4	1.718	2.459	18.1	19.6

176236 2001 QN_{209} 11 10.6 10°.14 4°.0/13.0 18

10 8	3 26.87	+28 15.2	1.438	2.278	17.2	19.3
10 18	3 22.64	+28 16.3	1.374	2.280	13.4	19.1
10 28	3 15.63	+27 57.7	1.329	2.284	9.1	18.8
11 7	3 6.86	+27 19.4	1.309	2.288	5.1	18.6
11 17	2 57.70	+26 24.6	1.314	2.293	4.5	18.6
11 27	2 49.64	+25 20.5	1.345	2.300	8.2	18.8
12 7	2 43.86	+24 16.0	1.401	2.307	12.4	19.1
12 17	2 41.03	+23 18.8	1.478	2.315	16.1	19.3

480286 2015 HV_{139} 11 10.6 120°.47 4°.0/ 8.2 18

10 8	3 30.48	+ 8 55.1	1.743	2.599	13.9	21.8
10 18	3 24.48	+ 8 4.5	1.687	2.610	10.3	21.6
10 28	3 16.37	+ 7 13.2	1.655	2.620	6.5	21.4
11 7	3 7.01	+ 6 26.6	1.650	2.631	4.0	21.3
11 17	2 57.48	+ 5 49.7	1.674	2.640	5.7	21.4
11 27	2 48.89	+ 5 27.0	1.725	2.650	9.2	21.6
12 7	2 42.14	+ 5 20.7	1.801	2.659	12.7	21.9
12 17	2 37.76	+ 5 30.9	1.899	2.667	15.7	22.1

23310 Siriwon 11 10.6 322°.86 1°.0/10.9 18

10 8	3 31.96	+19 19.7	1.276	2.136	17.7	18.4
10 18	3 26.75	+19 32.1	1.204	2.129	13.3	18.1
10 28	3 18.31	+19 34.3	1.153	2.122	8.2	17.8
11 7	3 7.64	+19 26.7	1.126	2.115	2.5	17.5
11 17	2 56.26	+19 11.8	1.125	2.109	3.7	17.5
11 27	2 45.94	+18 54.9	1.149	2.103	9.4	17.8
12 7	2 38.16	+18 42.0	1.197	2.097	14.5	18.1
12 17	2 33.78	+18 38.3	1.264	2.092	18.8	18.4

438539 2007 TC_{176} 11 10.6 89°.37 1°.8/11.7 18

10 8	3 32.08	+23 30.3	1.837	2.667	14.4	21.1
10 18	3 25.68	+23 25.1	1.781	2.687	10.8	20.9
10 28	3 17.08	+23 7.4	1.747	2.707	6.8	20.7
11 7	3 7.20	+22 38.6	1.741	2.726	2.8	20.5
11 17	2 57.18	+22 1.5	1.763	2.745	3.0	20.5
11 27	2 48.18	+21 21.2	1.814	2.764	6.8	20.8
12 7	2 41.12	+20 43.3	1.892	2.783	10.5	21.1
12 17	2 36.55	+20 12.3	1.994	2.801	13.7	21.3

59972 1999 RL_{248} 11 10.6 85°.67 0°.7/11.2 18

10 8	3 27.17	+22 19.2	2.088	2.923	12.8	19.5
10 18	3 21.91	+21 42.1	2.021	2.932	9.5	19.3
10 28	3 14.80	+20 53.6	1.978	2.941	5.8	19.1
11 7	3 6.60	+19 56.2	1.962	2.950	1.9	18.8
11 17	2 58.23	+18 54.2	1.976	2.959	2.5	18.9
11 27	2 50.65	+17 52.9	2.019	2.968	6.3	19.2
12 7	2 44.64	+16 57.6	2.090	2.977	9.9	19.4
12 17	2 40.73	+16 12.5	2.184	2.986	12.8	19.6

327567 2006 DP_{27} 11 10.6 117°.81 5°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.42	+34 59.1	2.491	3.262	12.8	21.2
10 18	3 25.15	+35 35.3	2.414	3.269	10.5	21.1
10 28	3 16.82	+35 56.1	2.361	3.275	8.0	20.9
11 7	3 7.18	+35 59.6	2.333	3.281	6.0	20.8
11 17	2 57.17	+35 45.7	2.334	3.287	5.4	20.8
11 27	2 47.85	+35 16.9	2.363	3.293	6.8	20.9
12 7	2 40.13	+34 38.2	2.421	3.299	9.0	21.0
12 17	2 34.62	+33 55.5	2.503	3.305	11.4	21.2

510236 2011 FM_{13} 11 10.6 195°.93 0°.4/10.4 18

10 8	3 31.94	+17 43.9	1.874	2.715	13.7	22.3
10 18	3 25.72	+17 27.1	1.797	2.713	10.2	22.1
10 28	3 17.23	+17 2.3	1.744	2.711	6.1	21.8
11 7	3 7.29	+16 31.7	1.719	2.708	1.6	21.5
11 17	2 56.98	+15 58.5	1.722	2.704	3.1	21.7
11 27	2 47.46	+15 27.5	1.755	2.700	7.5	21.9
12 7	2 39.74	+15 3.1	1.815	2.696	11.4	22.2
12 17	2 34.46	+14 48.8	1.897	2.691	14.8	22.4

117644 2005 EC_{139} 11 10.6 131°.32 1°.4/11.3 18

10 8	3 35.10	+21 32.0	1.646	2.482	15.6	20.2
10 18	3 28.24	+21 36.0	1.582	2.493	11.7	20.0
10 28	3 18.77	+21 28.6	1.541	2.504	7.2	19.8
11 7	3 7.70	+21 10.4	1.526	2.513	2.6	19.5
11 17	2 56.31	+20 44.0	1.540	2.523	3.2	19.6
11 27	2 46.01	+20 14.4	1.582	2.532	7.7	19.9
12 7	2 37.89	+19 47.3	1.651	2.540	11.9	20.1
12 17	2 32.63	+19 27.5	1.742	2.548	15.4	20.4

285056 2011 HG_{25} 11 10.6 162°.57 1°.3/ 9.8 18

10 8	3 31.10	+15 38.3	1.941	2.785	13.2	21.9
10 18	3 24.90	+15 6.7	1.872	2.791	9.7	21.7
10 28	3 16.64	+14 28.7	1.828	2.795	5.7	21.5
11 7	3 7.11	+13 47.5	1.811	2.799	1.8	21.2
11 17	2 57.33	+13 7.1	1.823	2.803	3.4	21.4
11 27	2 48.38	+12 32.2	1.865	2.806	7.5	21.6
12 7	2 41.15	+12 6.7	1.934	2.808	11.2	21.9
12 17	2 36.20	+11 53.4	2.026	2.810	14.3	22.1

516721 2009 BC_{107} 11 10.6 237°.75 7°.0/ 5.3 18

10 8	3 28.14	− 1 46.6	2.164	3.007	12.1	21.9
10 18	3 22.61	− 2 52.7	2.092	2.995	9.7	21.7
10 28	3 15.26	− 3 52.3	2.044	2.982	7.6	21.6
11 7	3 6.76	− 4 39.5	2.024	2.969	7.0	21.5
11 17	2 57.94	− 5 9.2	2.031	2.955	8.2	21.6
11 27	2 49.73	− 5 18.1	2.066	2.941	10.6	21.7
12 7	2 42.91	− 5 5.6	2.124	2.927	13.2	21.8
12 17	2 38.05	− 4 33.0	2.203	2.912	15.5	22.0

100744 1998 DU_{36} 11 10.6 321°.10 3°.4/12.2 18

10 8	3 30.25	+25 22.5	1.249	2.101	18.5	18.9
10 18	3 25.69	+25 30.6	1.175	2.091	14.3	18.7
10 28	3 17.77	+25 20.3	1.120	2.081	9.5	18.4
11 7	3 7.54	+24 50.8	1.088	2.072	4.6	18.1
11 17	2 56.54	+24 4.7	1.081	2.063	4.4	18.0
11 27	2 46.63	+23 9.2	1.099	2.054	9.4	18.3
12 7	2 39.36	+22 14.2	1.140	2.047	14.5	18.6
12 17	2 35.63	+21 28.1	1.201	2.039	18.9	18.8

520347 2014 GU_{62} 11 10.6 46°.26 2°.9/12.3 18

10 8	3 30.30	+25 37.0	1.697	2.529	15.3	21.2
10 18	3 24.76	+25 44.0	1.630	2.535	11.8	21.0
10 28	3 16.75	+25 36.4	1.585	2.541	7.7	20.8
11 7	3 7.18	+25 14.4	1.566	2.548	3.8	20.6
11 17	2 57.26	+24 40.1	1.574	2.555	3.6	20.6
11 27	2 48.32	+23 58.8	1.610	2.562	7.4	20.8
12 7	2 41.41	+23 17.1	1.672	2.569	11.3	21.1
12 17	2 37.19	+22 40.7	1.757	2.576	14.7	21.3

310556 2001 PW_{36} 11 10.6 28°.81 8°.9/ 6.8 18

10 8	3 28.83	− 2 49.0	1.401	2.263	16.3	19.6
10 18	3 23.55	− 3 34.6	1.363	2.277	12.9	19.4
10 28	3 15.90	− 4 6.5	1.346	2.291	10.1	19.3
11 7	3 6.91	− 4 17.7	1.354	2.306	8.9	19.3
11 17	2 57.82	− 4 4.3	1.385	2.322	10.1	19.4
11 27	2 49.89	− 3 25.3	1.441	2.339	12.8	19.6
12 7	2 44.06	− 2 23.5	1.519	2.357	15.8	19.8
12 17	2 40.85	− 1 3.5	1.617	2.375	18.4	20.1

29637 1998 VN_{11} 11 10.6 107°.00 1°.3/ 9.9 18

10 8	3 35.04	+16 9.6	1.366	2.223	17.0	17.9
10 18	3 28.35	+15 40.9	1.314	2.238	12.5	17.7
10 28	3 18.86	+15 3.8	1.284	2.253	7.3	17.4
11 7	3 7.73	+14 22.4	1.279	2.268	2.1	17.2
11 17	2 56.41	+13 41.9	1.301	2.282	4.1	17.3
11 27	2 46.42	+13 8.6	1.351	2.296	9.2	17.7
12 7	2 38.90	+12 47.5	1.425	2.310	13.7	18.0
12 17	2 34.46	+12 41.2	1.520	2.322	17.4	18.3

408407 2013 GR_{122} 11 10.6 90°.35 3°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.34	+ 9 25.9	2.148	3.002	11.7	21.5
10 18	3 21.14	+ 8 29.7	2.092	3.014	8.6	21.3
10 28	3 14.28	+ 7 32.4	2.062	3.026	5.4	21.1
11 7	3 6.48	+ 6 38.8	2.059	3.039	3.4	21.0
11 17	2 58.56	+ 5 53.2	2.085	3.051	4.9	21.1
11 27	2 51.36	+ 5 19.7	2.140	3.063	7.9	21.3
12 7	2 45.60	+ 5 0.5	2.222	3.074	10.8	21.6
12 17	2 41.72	+ 4 56.4	2.325	3.086	13.4	21.8

429800 2012 HT_{83} 11 10.6 114°.71 0°.7/10.2 16

10 8	3 33.83	+17 18.1	1.698	2.542	14.8	21.9
10 18	3 27.02	+16 52.5	1.643	2.560	10.8	21.7
10 28	3 17.91	+16 18.8	1.611	2.578	6.4	21.5
11 7	3 7.47	+15 40.1	1.606	2.595	1.7	21.2
11 17	2 56.89	+15 0.6	1.631	2.612	3.3	21.4
11 27	2 47.40	+14 25.5	1.684	2.628	7.8	21.7
12 7	2 39.97	+13 59.4	1.763	2.643	11.8	22.0
12 17	2 35.14	+13 45.1	1.865	2.658	15.0	22.2

146298 2001 HR_{65} 11 10.6 145°.20 0°.8/11.0 18

10 8	3 33.44	+20 40.9	1.747	2.585	14.7	20.7
10 18	3 26.89	+20 30.0	1.680	2.593	11.0	20.5
10 28	3 17.94	+20 8.3	1.637	2.601	6.7	20.2
11 7	3 7.51	+19 37.4	1.620	2.608	2.1	20.0
11 17	2 56.78	+19 0.6	1.632	2.615	2.9	20.1
11 27	2 47.04	+18 23.0	1.672	2.621	7.4	20.3
12 7	2 39.31	+17 50.2	1.740	2.627	11.5	20.6
12 17	2 34.22	+17 26.5	1.830	2.632	14.9	20.8

510237 2011 FY_{23} 11 10.6 202°.04 0°.5/10.3 18

10 8	3 31.22	+17 55.1	1.946	2.787	13.3	22.4
10 18	3 25.13	+17 25.1	1.867	2.783	9.9	22.2
10 28	3 16.87	+16 46.4	1.812	2.779	5.9	22.0
11 7	3 7.23	+16 1.7	1.785	2.774	1.6	21.7
11 17	2 57.24	+15 14.8	1.787	2.768	3.1	21.8
11 27	2 48.00	+14 31.0	1.818	2.762	7.4	22.0
12 7	2 40.49	+13 55.2	1.876	2.755	11.2	22.3
12 17	2 35.31	+13 30.8	1.958	2.748	14.5	22.5

76907 2000 YO_{123} 11 10.6 179°.23 6°.9/ 5.8 18

10 8	3 29.25	− 2 21.0	2.141	2.982	12.3	19.4
10 18	3 23.32	− 3 16.7	2.082	2.983	9.8	19.2
10 28	3 15.63	− 4 4.3	2.047	2.984	7.7	19.1
11 7	3 6.87	− 4 38.3	2.039	2.984	6.9	19.0
11 17	2 57.91	− 4 54.6	2.059	2.984	8.1	19.1
11 27	2 49.65	− 4 50.7	2.106	2.983	10.3	19.3
12 7	2 42.87	− 4 26.8	2.178	2.982	12.8	19.4
12 17	2 38.06	− 3 44.9	2.270	2.981	15.0	19.6

265964 2006 CO_{59} 11 10.6 183°.19 0°.1/10.5 17

10 8	3 26.37	+18 20.2	2.700	3.533	10.2	22.0
10 18	3 21.03	+17 59.6	2.621	3.533	7.5	21.8
10 28	3 14.22	+17 32.7	2.568	3.533	4.5	21.6
11 7	3 6.50	+17 1.5	2.544	3.533	1.2	21.3
11 17	2 58.56	+16 28.3	2.550	3.532	2.2	21.4
11 27	2 51.15	+15 56.5	2.587	3.531	5.4	21.6
12 7	2 44.92	+15 29.3	2.652	3.530	8.4	21.8
12 17	2 40.34	+15 9.1	2.742	3.528	10.9	22.0

175398 2006 OJ_{7} 11 10.6 10°.14 10°.1/16.9 18

10 8	3 28.06	+39 25.2	1.286	2.090	20.8	18.8
10 18	3 24.30	+40 19.4	1.227	2.094	17.6	18.6
10 28	3 16.99	+40 43.5	1.185	2.099	14.2	18.4
11 7	3 7.34	+40 32.1	1.163	2.105	11.3	18.2
11 17	2 57.09	+39 44.7	1.164	2.113	10.1	18.2
11 27	2 48.26	+38 27.9	1.187	2.123	11.3	18.3
12 7	2 42.36	+36 54.1	1.233	2.134	14.1	18.5
12 17	2 40.17	+35 16.3	1.300	2.146	17.3	18.7

188363 2004 BJ_{6} 11 10.6 286°.90 2°.6/ 9.2 18

10 8	3 29.87	+13 41.1	1.425	2.290	15.9	20.7
10 18	3 24.85	+13 1.4	1.348	2.276	11.8	20.5
10 28	3 17.04	+12 14.7	1.293	2.263	7.1	20.2
11 7	3 7.34	+11 25.5	1.262	2.250	2.9	19.9
11 17	2 57.03	+10 40.0	1.259	2.236	5.0	20.0
11 27	2 47.61	+10 5.0	1.282	2.223	10.0	20.2
12 7	2 40.33	+ 9 45.4	1.328	2.210	14.7	20.5
12 17	2 36.00	+ 9 44.0	1.394	2.197	18.7	20.7

361939 2008 HY_{38} 11 10.6 158°.58 2°.1/12.0 18

10 8	3 29.74	+24 19.1	2.168	2.991	12.8	21.9
10 18	3 23.93	+24 24.3	2.091	2.993	9.7	21.7
10 28	3 16.12	+24 18.5	2.039	2.995	6.3	21.5
11 7	3 7.04	+24 1.9	2.013	2.996	2.9	21.3
11 17	2 57.63	+23 36.5	2.017	2.998	2.9	21.3
11 27	2 48.93	+23 5.8	2.050	2.999	6.2	21.5
12 7	2 41.82	+22 34.6	2.111	3.001	9.6	21.7
12 17	2 36.90	+22 7.2	2.196	3.002	12.6	21.9

400131 2006 UY_{128} 11 10.6 66°.89 0°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.53	+19 9.5	1.868	2.715	13.5	21.4
10 18	3 22.39	+18 29.0	1.801	2.720	10.0	21.2
10 28	3 15.21	+17 38.6	1.757	2.725	5.9	21.0
11 7	3 6.79	+16 41.5	1.741	2.730	1.5	20.7
11 17	2 58.14	+15 42.5	1.753	2.735	3.0	20.8
11 27	2 50.33	+14 47.4	1.794	2.740	7.2	21.1
12 7	2 44.22	+14 1.5	1.861	2.746	11.0	21.3
12 17	2 40.38	+13 28.2	1.951	2.751	14.2	21.6

219926 2002 GZ_{76} 11 10.6 250°.81 5°.0/ 6.6 18

10 8	3 25.39	+ 4 26.0	2.171	3.026	11.6	19.8
10 18	3 20.54	+ 3 21.0	2.106	3.023	8.8	19.6
10 28	3 14.01	+ 2 18.0	2.065	3.021	6.2	19.5
11 7	3 6.47	+ 1 22.5	2.052	3.019	5.0	19.4
11 17	2 58.70	+ 0 39.2	2.068	3.017	6.4	19.5
11 27	2 51.56	+ 0 12.1	2.111	3.015	9.0	19.6
12 7	2 45.78	+ 0 2.8	2.180	3.012	11.8	19.8
12 17	2 41.85	+ 0 11.2	2.270	3.010	14.3	20.0

355433 2007 VY_{56} 11 10.6 43°.67 3°.3/ 8.8 18

10 8	3 29.19	+10 11.0	1.602	2.464	14.6	20.5
10 18	3 23.79	+ 9 41.3	1.545	2.472	10.8	20.3
10 28	3 16.10	+ 9 10.5	1.512	2.480	6.6	20.1
11 7	3 7.04	+ 8 42.9	1.504	2.488	3.5	19.9
11 17	2 57.74	+ 8 23.1	1.524	2.497	5.2	20.0
11 27	2 49.40	+ 8 14.9	1.570	2.506	9.1	20.3
12 7	2 42.98	+ 8 20.5	1.642	2.515	12.9	20.5
12 17	2 39.08	+ 8 40.5	1.735	2.524	16.1	20.8

509202 2006 RN_{101} 11 10.6 45°.27 5°.3/13.8 18

10 8	3 31.79	+31 31.5	1.119	1.959	21.0	20.2
10 18	3 26.65	+31 17.1	1.074	1.978	16.5	20.0
10 28	3 18.09	+30 34.1	1.047	1.997	11.4	19.8
11 7	3 7.57	+29 23.2	1.041	2.018	6.7	19.6
11 17	2 56.93	+27 50.6	1.061	2.039	5.6	19.6
11 27	2 48.05	+26 8.3	1.105	2.060	9.3	19.9
12 7	2 42.19	+24 29.7	1.172	2.082	13.9	20.2
12 17	2 39.87	+23 4.9	1.260	2.104	17.9	20.5

278203 2007 EY_{30} 11 10.6 257°.53 1°.3/ 9.8 18

10 8	3 30.17	+16 19.1	1.649	2.503	14.7	22.0
10 18	3 24.76	+15 43.3	1.568	2.491	10.9	21.7
10 28	3 16.85	+14 58.7	1.511	2.480	6.5	21.5
11 7	3 7.29	+14 8.8	1.479	2.468	2.0	21.1
11 17	2 57.22	+13 18.5	1.476	2.456	3.9	21.3
11 27	2 47.95	+12 34.2	1.500	2.444	8.6	21.5
12 7	2 40.60	+12 1.2	1.549	2.431	13.0	21.7
12 17	2 35.91	+11 43.1	1.621	2.419	16.7	22.0

139049 2001 EH_{21} 11 10.6 270°.94 3°.9/12.7 18

10 8	3 32.20	+27 38.5	1.486	2.318	17.2	20.0
10 18	3 26.76	+27 44.2	1.406	2.309	13.4	19.7
10 28	3 18.27	+27 31.3	1.347	2.300	9.1	19.5
11 7	3 7.71	+26 58.6	1.312	2.292	5.0	19.2
11 17	2 56.49	+26 8.0	1.304	2.283	4.5	19.2
11 27	2 46.27	+25 6.2	1.322	2.274	8.6	19.4
12 7	2 38.43	+24 2.3	1.365	2.265	13.1	19.6
12 17	2 33.80	+23 4.8	1.430	2.257	17.1	19.8

99454 2002 CZ_{42} 11 10.6 246°.66 1°.9/11.5 18

10 8	3 34.26	+22 11.1	1.525	2.365	16.3	20.1
10 18	3 28.18	+22 19.5	1.442	2.355	12.5	19.8
10 28	3 19.10	+22 15.4	1.381	2.344	7.9	19.5
11 7	3 7.94	+21 58.7	1.346	2.332	3.1	19.2
11 17	2 56.06	+21 31.3	1.338	2.321	3.5	19.2
11 27	2 45.07	+20 58.3	1.357	2.308	8.5	19.5
12 7	2 36.34	+20 26.6	1.402	2.296	13.2	19.7
12 17	2 30.76	+20 2.3	1.468	2.283	17.3	19.9

71876 2000 VK_{49} 11 10.6 11°.50 0°.6/10.4 18

10 8	3 31.43	+15 33.4	1.051	1.929	19.3	18.3
10 18	3 26.61	+15 48.6	0.996	1.931	14.3	18.0
10 28	3 18.30	+15 57.5	0.961	1.933	8.5	17.7
11 7	3 7.72	+16 1.9	0.947	1.937	2.3	17.4
11 17	2 56.58	+16 4.5	0.958	1.942	4.3	17.5
11 27	2 46.81	+16 10.0	0.993	1.947	10.3	17.9
12 7	2 39.93	+16 22.9	1.050	1.954	15.7	18.2
12 17	2 36.71	+16 46.0	1.125	1.962	20.1	18.5

14104 Delpino 11 10.6 149°.82 3°.0/12.9 18

10 8	3 28.86	+27 50.3	2.508	3.313	11.8	19.0
10 18	3 23.12	+28 3.3	2.428	3.316	9.2	18.8
10 28	3 15.58	+28 4.6	2.373	3.318	6.3	18.7
11 7	3 6.92	+27 54.1	2.346	3.321	3.7	18.5
11 17	2 57.95	+27 32.7	2.348	3.323	3.3	18.5
11 27	2 49.60	+27 3.4	2.380	3.326	5.7	18.6
12 7	2 42.66	+26 30.6	2.440	3.328	8.6	18.8
12 17	2 37.67	+25 58.6	2.525	3.330	11.2	19.0

115018 2003 QJ_{89} 11 10.6 61°.55 6°.3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.74	+ 5 45.3	1.199	2.071	17.8	19.1
10 18	3 26.73	+ 4 52.6	1.160	2.089	13.3	18.9
10 28	3 17.91	+ 4 4.5	1.143	2.107	8.9	18.7
11 7	3 7.53	+ 3 28.3	1.150	2.126	6.3	18.6
11 17	2 57.07	+ 3 10.2	1.182	2.145	8.1	18.8
11 27	2 48.05	+ 3 13.8	1.238	2.164	12.0	19.1
12 7	2 41.55	+ 3 39.0	1.317	2.183	15.9	19.4
12 17	2 38.12	+ 4 23.4	1.414	2.201	19.3	19.6

283807 2003 SM_{137} 11 10.6 40°.36 2°.8/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.45	+24 16.8	1.371	2.218	17.5	20.1
10 18	3 25.92	+24 31.0	1.320	2.234	13.3	19.9
10 28	3 17.54	+24 29.9	1.291	2.252	8.5	19.7
11 7	3 7.46	+24 13.4	1.286	2.270	3.9	19.5
11 17	2 57.13	+23 44.7	1.307	2.289	3.9	19.5
11 27	2 48.11	+23 9.6	1.354	2.308	8.2	19.8
12 7	2 41.54	+22 35.3	1.426	2.328	12.5	20.1
12 17	2 38.03	+22 7.8	1.519	2.348	16.2	20.4

278597 2008 OA_{21} 11 10.6 241°.27 3°.9/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.70	+30 36.7	2.386	3.184	12.5	21.4
10 18	3 23.18	+30 49.2	2.302	3.181	9.9	21.3
10 28	3 15.70	+30 47.8	2.242	3.179	7.1	21.1
11 7	3 6.97	+30 31.6	2.208	3.176	4.6	20.9
11 17	2 57.89	+30 1.7	2.203	3.173	4.1	20.9
11 27	2 49.46	+29 21.4	2.227	3.171	6.2	21.0
12 7	2 42.52	+28 35.7	2.279	3.168	9.0	21.2
12 17	2 37.69	+27 50.2	2.356	3.165	11.8	21.4

459254 2012 FV_{43} 11 10.6 189°.77 4°.0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.93	+ 2 32.9	3.030	3.868	9.1	22.5
10 18	3 20.52	+ 1 55.9	2.959	3.866	7.0	22.3
10 28	3 13.86	+ 1 22.0	2.915	3.864	5.0	22.2
11 7	3 6.44	+ 0 54.5	2.900	3.862	4.0	22.1
11 17	2 58.86	+ 0 36.2	2.915	3.859	5.0	22.2
11 27	2 51.73	+ 0 29.1	2.959	3.856	7.0	22.3
12 7	2 45.59	+ 0 34.1	3.031	3.852	9.1	22.4
12 17	2 40.86	+ 0 51.3	3.127	3.848	11.1	22.6

133805 2003 WW_{150} 11 10.6 225°.87 2°.5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.27	+10 21.1	2.652	3.498	10.0	20.2
10 18	3 20.25	+ 9 44.6	2.573	3.492	7.4	20.0
10 28	3 13.80	+ 9 6.4	2.520	3.486	4.6	19.8
11 7	3 6.44	+ 8 29.7	2.496	3.479	2.5	19.7
11 17	2 58.86	+ 7 57.6	2.503	3.472	3.8	19.7
11 27	2 51.76	+ 7 33.2	2.538	3.465	6.6	19.9
12 7	2 45.79	+ 7 18.9	2.602	3.458	9.3	20.1
12 17	2 41.40	+ 7 15.8	2.689	3.450	11.7	20.3

295487 2008 RO_{3} 11 10.6 345°.43 0°.1/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.65	+19 22.8	2.079	2.923	12.4	21.2
10 18	3 20.95	+19 0.2	2.002	2.920	9.2	20.9
10 28	3 14.38	+18 29.0	1.950	2.917	5.5	20.7
11 7	3 6.62	+17 51.4	1.925	2.914	1.5	20.4
11 17	2 58.56	+17 10.7	1.928	2.911	2.6	20.5
11 27	2 51.16	+16 31.5	1.961	2.909	6.5	20.8
12 7	2 45.26	+15 58.0	2.020	2.907	10.1	21.0
12 17	2 41.40	+15 33.7	2.102	2.905	13.2	21.2

216781 2006 QQ_{62} 11 10.6 54°.11 0°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.97	+16 45.9	1.115	1.983	19.2	19.9
10 18	3 28.56	+16 34.7	1.080	2.009	14.0	19.7
10 28	3 19.04	+16 14.5	1.065	2.036	8.2	19.5
11 7	3 7.84	+15 48.8	1.074	2.063	2.2	19.2
11 17	2 56.64	+15 22.6	1.108	2.090	4.1	19.4
11 27	2 47.14	+15 2.0	1.167	2.118	9.6	19.8
12 7	2 40.50	+14 52.0	1.250	2.146	14.4	20.2
12 17	2 37.21	+14 55.0	1.352	2.174	18.2	20.5

437377 2013 WF_{6} 11 10.6 352°.93 5°.9/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.86	+ 8 4.3	1.136	2.021	17.6	20.2
10 18	3 22.91	+ 7 2.1	1.079	2.016	13.2	20.0
10 28	3 15.97	+ 5 59.2	1.043	2.012	8.7	19.7
11 7	3 7.10	+ 5 4.2	1.029	2.009	5.9	19.5
11 17	2 57.76	+ 4 25.3	1.039	2.007	8.1	19.7
11 27	2 49.58	+ 4 9.2	1.072	2.006	12.5	19.9
12 7	2 43.83	+ 4 18.2	1.127	2.006	17.0	20.2
12 17	2 41.24	+ 4 51.1	1.199	2.007	20.9	20.4

470132 2006 UV_{33} 11 10.6 346°.04 1°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.70	+18 55.5	1.161	2.028	18.6	21.1
10 18	3 26.86	+19 27.7	1.094	2.021	14.0	20.8
10 28	3 18.56	+19 51.0	1.046	2.015	8.7	20.5
11 7	3 7.86	+20 5.1	1.022	2.010	2.9	20.2
11 17	2 56.37	+20 11.0	1.022	2.006	3.9	20.2
11 27	2 46.01	+20 12.7	1.047	2.003	9.7	20.5
12 7	2 38.37	+20 15.8	1.095	2.000	15.1	20.8
12 17	2 34.38	+20 25.4	1.162	1.999	19.5	21.1

170578 2003 XU_{13} 11 10.6 351°.82 2°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 24.55	+15 6.8	1.240	2.119	16.8	19.7
10 18	3 21.14	+14 31.0	1.175	2.111	12.4	19.4
10 28	3 14.91	+13 46.7	1.131	2.104	7.4	19.1
11 7	3 6.83	+12 58.9	1.110	2.099	2.5	18.8
11 17	2 58.23	+12 14.0	1.114	2.094	4.8	18.9
11 27	2 50.66	+11 39.2	1.142	2.091	10.0	19.2
12 7	2 45.34	+11 20.1	1.193	2.090	14.8	19.5
12 17	2 43.01	+11 19.0	1.264	2.090	18.9	19.8

361347 2006 UJ_{157} 11 10.6 349°.45 2°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.99	+14 1.7	1.838	2.694	13.3	21.2
10 18	3 22.05	+13 13.1	1.768	2.693	9.7	21.0
10 28	3 15.07	+12 18.6	1.723	2.693	5.8	20.8
11 7	3 6.82	+11 22.6	1.705	2.692	2.4	20.6
11 17	2 58.29	+10 30.3	1.715	2.691	4.2	20.7
11 27	2 50.54	+ 9 47.1	1.753	2.691	8.1	20.9
12 7	2 44.45	+ 9 17.0	1.817	2.691	11.8	21.2
12 17	2 40.60	+ 9 2.3	1.903	2.691	15.0	21.4

345172 2005 TJ_{29} 11 10.6 85°.85 1°.5/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.24	+16 41.0	1.525	2.379	15.7	21.6
10 18	3 25.99	+15 51.8	1.477	2.400	11.4	21.4
10 28	3 17.35	+14 54.1	1.453	2.422	6.7	21.1
11 7	3 7.40	+13 52.9	1.454	2.443	2.0	20.9
11 17	2 57.39	+12 54.1	1.484	2.464	3.9	21.1
11 27	2 48.60	+12 4.3	1.541	2.485	8.5	21.4
12 7	2 41.97	+11 28.2	1.624	2.505	12.6	21.7
12 17	2 38.02	+11 8.3	1.729	2.525	15.9	22.0

53873 2000 FS_{32} 11 10.6 240°.83 0°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.89	+19 12.6	1.644	2.488	15.2	19.7
10 18	3 26.86	+19 16.4	1.565	2.482	11.4	19.4
10 28	3 18.18	+19 11.2	1.510	2.476	6.9	19.2
11 7	3 7.72	+18 57.9	1.480	2.469	2.1	18.9
11 17	2 56.70	+18 38.9	1.479	2.462	3.1	18.9
11 27	2 46.54	+18 18.6	1.506	2.455	8.0	19.2
12 7	2 38.41	+18 2.0	1.558	2.448	12.4	19.4
12 17	2 33.10	+17 53.6	1.633	2.441	16.2	19.7

12285 1991 FN_{2} 11 10.6 285°.03 1°.8/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.34	+13 49.7	2.128	2.978	11.9	18.4
10 18	3 21.43	+13 15.4	2.046	2.968	8.8	18.2
10 28	3 14.67	+12 36.2	1.990	2.958	5.2	18.0
11 7	3 6.73	+11 55.5	1.961	2.948	2.0	17.8
11 17	2 58.45	+11 17.1	1.961	2.938	3.6	17.8
11 27	2 50.76	+10 45.3	1.990	2.928	7.3	18.1
12 7	2 44.50	+10 23.6	2.045	2.918	10.7	18.3
12 17	2 40.22	+10 14.2	2.124	2.908	13.7	18.4

60334 2000 AN_{42} 11 10.6 75°.65 17°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.62	−20 7.0	1.093	1.901	23.5	18.1
10 18	3 36.57	−20 38.7	1.055	1.909	20.9	17.9
10 28	3 23.89	−20 31.0	1.034	1.916	18.7	17.8
11 7	3 9.17	−19 33.0	1.033	1.924	17.7	17.8
11 17	2 54.43	−17 42.3	1.052	1.932	18.2	17.9
11 27	2 41.69	−15 5.2	1.093	1.939	20.1	18.0
12 7	2 32.29	−11 55.3	1.155	1.947	22.5	18.2
12 17	2 26.83	− 8 27.1	1.234	1.955	24.9	18.5

422067 2014 QM_{379} 11 10.6 19°.83 2°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.17	+24 54.3	1.889	2.722	14.0	20.9
10 18	3 22.28	+24 54.3	1.820	2.727	10.6	20.7
10 28	3 15.25	+24 41.4	1.775	2.733	6.9	20.4
11 7	3 6.88	+24 16.4	1.755	2.739	3.3	20.2
11 17	2 58.22	+23 41.6	1.764	2.745	3.1	20.2
11 27	2 50.38	+23 1.8	1.800	2.752	6.7	20.5
12 7	2 44.28	+22 22.5	1.863	2.760	10.3	20.7
12 17	2 40.52	+21 48.5	1.949	2.767	13.5	20.9

16268 Mcneeley 11 10.6 84°.91 0°.1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.20	+19 26.2	1.572	2.419	15.6	19.4
10 18	3 26.02	+18 58.0	1.519	2.438	11.5	19.1
10 28	3 17.43	+18 19.2	1.489	2.456	6.8	18.9
11 7	3 7.45	+17 32.8	1.486	2.475	1.8	18.7
11 17	2 57.34	+16 43.8	1.510	2.493	3.2	18.8
11 27	2 48.39	+15 58.2	1.562	2.511	7.9	19.1
12 7	2 41.59	+15 21.6	1.640	2.528	12.0	19.4
12 17	2 37.48	+14 57.5	1.740	2.546	15.4	19.7

371363 2006 PB_{15} 11 10.6 69°.50 4°.5/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.99	+ 9 28.4	1.253	2.121	17.5	20.9
10 18	3 27.52	+ 8 40.6	1.216	2.145	12.8	20.7
10 28	3 18.33	+ 7 52.7	1.202	2.169	8.0	20.5
11 7	3 7.68	+ 7 11.3	1.211	2.194	4.6	20.4
11 17	2 57.04	+ 6 42.2	1.247	2.218	6.5	20.6
11 27	2 47.87	+ 6 30.2	1.309	2.242	10.7	20.9
12 7	2 41.20	+ 6 36.7	1.394	2.266	14.8	21.2
12 17	2 37.55	+ 7 0.8	1.498	2.290	18.2	21.5

5009 Sethos 11 10.6 236°.44 0°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.47	+18 59.9	1.735	2.578	14.6	17.9
10 18	3 26.47	+18 43.7	1.651	2.567	10.9	17.6
10 28	3 17.92	+18 17.7	1.589	2.555	6.6	17.3
11 7	3 7.67	+17 43.6	1.554	2.543	1.8	17.0
11 17	2 56.86	+17 4.7	1.548	2.531	3.1	17.1
11 27	2 46.83	+16 26.6	1.570	2.518	7.9	17.3
12 7	2 38.72	+15 54.7	1.618	2.504	12.3	17.6
12 17	2 33.28	+15 33.5	1.689	2.490	16.0	17.8

13968 1991 RE_7 11 10.6 112°.00 5°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.43	+34 15.8	2.618	3.388	12.3	17.5
10 18	3 25.80	+34 53.9	2.546	3.401	10.0	17.3
10 28	3 17.23	+35 17.6	2.497	3.413	7.6	17.2
11 7	3 7.43	+35 25.1	2.475	3.425	5.6	17.1
11 17	2 57.32	+35 16.3	2.482	3.437	5.1	17.1
11 27	2 47.88	+34 53.7	2.519	3.448	6.4	17.2
12 7	2 39.98	+34 21.7	2.583	3.460	8.6	17.3
12 17	2 34.20	+33 45.6	2.673	3.471	10.8	17.5

331438 2012 GA_{21} 11 10.6 188°.66 0°.1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.07	+18 52.7	1.625	2.471	15.3	21.6
10 18	3 26.89	+18 31.1	1.553	2.470	11.4	21.3
10 28	3 18.12	+17 59.2	1.503	2.470	6.8	21.1
11 7	3 7.70	+17 19.2	1.479	2.468	1.8	20.7
11 17	2 56.86	+16 35.4	1.484	2.467	3.3	20.8
11 27	2 46.98	+15 53.7	1.517	2.465	8.2	21.1
12 7	2 39.19	+15 19.9	1.576	2.462	12.5	21.4
12 17	2 34.17	+14 58.0	1.656	2.459	16.2	21.6

183027 2002 PP_{127} 11 10.6 41°.46 4°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.66	+27 14.4	1.179	2.026	19.7	19.9
10 18	3 27.31	+27 33.1	1.128	2.040	15.2	19.7
10 28	3 18.61	+27 30.9	1.097	2.054	10.2	19.4
11 7	3 7.84	+27 7.0	1.088	2.069	5.6	19.2
11 17	2 56.73	+26 24.5	1.104	2.084	5.0	19.2
11 27	2 47.15	+25 31.2	1.145	2.100	9.2	19.5
12 7	2 40.45	+24 37.2	1.209	2.116	13.8	19.8
12 17	2 37.29	+23 50.8	1.294	2.133	17.8	20.1

261835 2006 DB_{63} 11 10.6 342°.46 1°.9/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.13	+22 46.7	2.073	2.904	13.0	20.2
10 18	3 23.65	+23 2.6	1.995	2.901	9.9	20.0
10 28	3 16.08	+23 9.1	1.940	2.899	6.3	19.7
11 7	3 7.15	+23 6.0	1.912	2.897	2.7	19.5
11 17	2 57.82	+22 54.8	1.913	2.895	2.9	19.5
11 27	2 49.16	+22 38.6	1.943	2.893	6.5	19.7
12 7	2 42.10	+22 21.5	2.000	2.892	10.0	20.0
12 17	2 37.28	+22 7.6	2.081	2.890	13.1	20.2

12953 1264 $T\text{-}_2$ 11 10.6 10°.09 1°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.85	+21 23.0	1.444	2.298	16.4	17.9
10 18	3 24.06	+21 21.2	1.379	2.299	12.3	17.6
10 28	3 16.55	+21 7.0	1.335	2.301	7.6	17.4
11 7	3 7.30	+20 41.6	1.316	2.304	2.7	17.1
11 17	2 57.62	+20 8.5	1.324	2.307	3.3	17.1
11 27	2 48.98	+19 33.5	1.357	2.311	8.2	17.5
12 7	2 42.55	+19 2.9	1.416	2.316	12.7	17.7
12 17	2 39.01	+18 41.6	1.495	2.321	16.5	18.0

402324 2005 UO_{32} 11 10.6 88°.66 0°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.68	+18 39.2	2.077	2.916	12.7	21.7
10 18	3 23.81	+18 33.0	2.014	2.929	9.4	21.5
10 28	3 16.03	+18 19.7	1.976	2.941	5.6	21.3
11 7	3 7.11	+18 0.7	1.965	2.954	1.6	21.0
11 17	2 57.99	+17 38.7	1.984	2.967	2.5	21.1
11 27	2 49.66	+17 17.3	2.032	2.979	6.4	21.4
12 7	2 42.94	+17 0.2	2.107	2.992	9.9	21.6
12 17	2 38.35	+16 50.2	2.206	3.004	12.9	21.9

470074 2006 SK_{314} 11 10.6 333°.43 0°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.91	+17 23.0	1.154	2.028	18.2	21.5
10 18	3 24.78	+17 19.4	1.083	2.016	13.6	21.2
10 28	3 17.34	+17 6.1	1.032	2.004	8.2	20.9
11 7	3 7.59	+16 45.3	1.004	1.994	2.2	20.5
11 17	2 57.06	+16 21.1	1.000	1.984	4.1	20.6
11 27	2 47.59	+15 59.9	1.021	1.975	10.1	20.9
12 7	2 40.71	+15 47.9	1.063	1.968	15.5	21.2
12 17	2 37.32	+15 49.6	1.125	1.961	20.1	21.4

44793 1999 TB_{178} 11 10.6 79°.07 2°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.25	+15 32.1	1.373	2.236	16.5	18.9
10 18	3 25.53	+14 27.2	1.324	2.252	12.1	18.7
10 28	3 17.22	+13 13.7	1.297	2.268	7.1	18.5
11 7	3 7.43	+11 58.1	1.296	2.284	2.7	18.2
11 17	2 57.52	+10 47.9	1.322	2.300	4.8	18.4
11 27	2 48.88	+ 9 50.8	1.374	2.315	9.5	18.7
12 7	2 42.54	+ 9 11.8	1.451	2.331	13.8	19.0
12 17	2 39.03	+ 8 52.8	1.548	2.346	17.4	19.3

136382 2004 FQ_{49} 11 10.6 347°.25 5°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.08	+29 45.6	1.559	2.384	16.8	19.3
10 18	3 25.18	+30 24.3	1.483	2.378	13.4	19.1
10 28	3 17.37	+30 45.5	1.428	2.373	9.6	18.9
11 7	3 7.57	+30 46.7	1.397	2.368	6.3	18.7
11 17	2 57.11	+30 27.7	1.392	2.364	5.7	18.6
11 27	2 47.58	+29 52.9	1.413	2.361	8.6	18.8
12 7	2 40.30	+29 9.6	1.458	2.359	12.4	19.0
12 17	2 36.11	+28 26.2	1.526	2.357	16.0	19.2

411981 2012 HJ_{78} 11 10.6 169°.71 0°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.75	+15 11.8	2.750	3.587	10.0	21.7
10 18	3 21.31	+14 57.4	2.675	3.590	7.3	21.5
10 28	3 14.43	+14 39.2	2.625	3.592	4.3	21.4
11 7	3 6.68	+14 19.0	2.605	3.593	1.3	21.1
11 17	2 58.72	+13 59.0	2.615	3.595	2.5	21.2
11 27	2 51.28	+13 41.9	2.656	3.596	5.5	21.4
12 7	2 44.97	+13 30.2	2.725	3.597	8.4	21.6
12 17	2 40.27	+13 25.6	2.819	3.598	10.8	21.8

45896 2000 XT_{27} 11 10.6 140°.38 3°.0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.42	+24 19.6	1.578	2.408	16.4	18.6
10 18	3 29.56	+24 44.5	1.510	2.415	12.6	18.4
10 28	3 19.81	+24 56.0	1.465	2.421	8.2	18.1
11 7	3 8.20	+24 52.9	1.445	2.427	3.9	17.9
11 17	2 56.12	+24 36.3	1.452	2.433	3.9	17.9
11 27	2 45.12	+24 10.8	1.488	2.438	8.0	18.2
12 7	2 36.47	+23 43.1	1.550	2.443	12.3	18.4
12 17	2 30.91	+23 19.3	1.634	2.447	15.9	18.7

513932 2014 DA_{44} 11 10.6 193°.22 3°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.12	+ 9 13.6	2.137	2.983	12.1	22.3
10 18	3 24.11	+ 8 35.6	2.064	2.982	8.9	22.1
10 28	3 16.23	+ 7 56.6	2.015	2.979	5.6	21.9
11 7	3 7.19	+ 7 20.3	1.996	2.977	3.3	21.8
11 17	2 57.87	+ 6 50.8	2.005	2.973	4.7	21.9
11 27	2 49.22	+ 6 31.8	2.044	2.969	8.0	22.1
12 7	2 42.06	+ 6 25.6	2.110	2.965	11.2	22.3
12 17	2 36.95	+ 6 33.0	2.198	2.959	14.0	22.5

282440 2003 YL_{35} 11 10.6 32°.23 6°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.02	+34 51.0	1.130	1.961	21.5	19.1
10 18	3 25.29	+34 39.3	1.094	1.988	17.2	18.9
10 28	3 17.25	+33 56.0	1.076	2.017	12.4	18.7
11 7	3 7.44	+32 41.8	1.079	2.048	8.1	18.6
11 17	2 57.67	+31 3.6	1.106	2.079	6.7	18.6
11 27	2 49.72	+29 13.4	1.158	2.112	9.3	18.9
12 7	2 44.72	+27 25.1	1.234	2.145	13.2	19.2
12 17	2 43.09	+25 49.2	1.331	2.179	16.8	19.5

367052 2006 JO_{23} 11 10.6 72°.91 0°.5/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.33	+20 2.7	1.250	2.107	18.2	21.2
10 18	3 28.12	+19 46.1	1.202	2.125	13.5	21.0
10 28	3 18.90	+19 16.7	1.175	2.143	8.1	20.8
11 7	3 7.92	+18 37.1	1.172	2.161	2.3	20.5
11 17	2 56.76	+17 52.6	1.195	2.178	3.6	20.6
11 27	2 47.07	+17 10.3	1.244	2.196	9.0	21.0
12 7	2 40.03	+16 37.1	1.318	2.214	13.8	21.3
12 17	2 36.25	+16 17.2	1.412	2.231	17.6	21.6

7448 Pöllath 11 10.6 212°.88 9°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.47	+46 7.2	1.938	2.656	17.6	18.1
10 18	3 31.27	+46 11.1	1.847	2.650	15.3	17.9
10 28	3 20.89	+45 45.2	1.774	2.643	12.7	17.7
11 7	3 8.49	+44 44.6	1.724	2.636	10.4	17.6
11 17	2 55.68	+43 8.6	1.699	2.628	9.2	17.5
11 27	2 44.18	+41 3.3	1.703	2.619	9.9	17.5
12 7	2 35.35	+38 40.3	1.733	2.610	12.1	17.6
12 17	2 29.89	+36 12.8	1.789	2.600	14.8	17.8

100807 1998 FA_{115} 11 10.6 188°.04 2°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.73	+26 11.7	2.133	2.947	13.3	20.7
10 18	3 25.51	+26 7.4	2.051	2.947	10.2	20.5
10 28	3 17.17	+25 49.8	1.994	2.946	6.7	20.2
11 7	3 7.47	+25 19.2	1.963	2.944	3.4	20.0
11 17	2 57.41	+24 37.6	1.962	2.942	3.1	20.0
11 27	2 48.11	+23 49.6	1.991	2.940	6.4	20.2
12 7	2 40.50	+23 0.9	2.048	2.937	9.9	20.4
12 17	2 35.19	+22 16.7	2.129	2.933	13.0	20.6

501543 2014 JG_{56} 11 10.6 176°.00 20°.4/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.61	−23 42.3	1.177	1.980	22.4	21.1
10 18	3 29.24	−26 3.1	1.153	1.982	21.1	21.0
10 28	3 19.64	−27 44.7	1.145	1.983	20.5	21.0
11 7	3 8.13	−28 33.8	1.155	1.983	20.7	21.0
11 17	2 56.41	−28 24.1	1.181	1.983	21.8	21.1
11 27	2 46.26	−27 17.2	1.223	1.983	23.3	21.2
12 7	2 38.93	−25 22.2	1.278	1.983	25.0	21.4
12 17	2 35.04	−22 50.8	1.346	1.982	26.6	21.5

227151 Desargues 11 10.6 74°.26 0°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.67	+20 6.6	1.412	2.262	16.9	21.0
10 18	3 27.31	+19 46.6	1.364	2.284	12.5	20.8
10 28	3 18.28	+19 14.7	1.339	2.306	7.5	20.6
11 7	3 7.74	+18 33.7	1.339	2.328	2.1	20.3
11 17	2 57.10	+17 48.6	1.366	2.349	3.3	20.5
11 27	2 47.80	+17 5.8	1.420	2.371	8.3	20.8
12 7	2 40.89	+16 31.4	1.499	2.392	12.6	21.1
12 17	2 36.93	+16 9.4	1.600	2.413	16.2	21.4

434209 2003 SH_{17} 11 10.6 38°.65 12°.3/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.85	− 4 43.4	1.189	2.061	17.9	20.0
10 18	3 22.23	− 7 16.4	1.176	2.087	14.8	19.9
10 28	3 15.17	− 9 28.4	1.184	2.115	12.7	19.8
11 7	3 6.87	−11 6.7	1.216	2.143	12.4	19.9
11 17	2 58.68	−12 4.1	1.269	2.172	13.9	20.1
11 27	2 51.86	−12 19.2	1.344	2.202	16.3	20.3
12 7	2 47.28	−11 56.7	1.438	2.232	18.7	20.6
12 17	2 45.35	−11 3.7	1.547	2.263	20.8	20.8

103373 2000 AM_{114} 11 10.6 312°.95 0°.7/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.41	+21 36.2	1.329	2.188	17.2	18.3
10 18	3 24.11	+21 4.8	1.251	2.175	13.0	18.0
10 28	3 16.80	+20 16.8	1.194	2.162	8.0	17.7
11 7	3 7.46	+19 14.8	1.160	2.149	2.4	17.4
11 17	2 57.45	+18 4.5	1.153	2.137	3.6	17.4
11 27	2 48.43	+16 54.5	1.171	2.125	9.2	17.7
12 7	2 41.74	+15 54.1	1.213	2.114	14.3	18.0
12 17	2 38.21	+15 9.7	1.276	2.103	18.7	18.2

185540 2007 XQ_{32} 11 10.6 178°.97 1°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.84	+14 2.4	2.067	2.915	12.4	20.4
10 18	3 23.27	+13 42.0	1.995	2.915	9.1	20.2
10 28	3 15.78	+13 17.4	1.947	2.915	5.4	20.0
11 7	3 7.10	+12 51.3	1.927	2.915	1.9	19.8
11 17	2 58.12	+12 27.0	1.937	2.915	3.4	19.9
11 27	2 49.85	+12 8.1	1.975	2.915	7.1	20.1
12 7	2 43.10	+11 57.7	2.040	2.915	10.7	20.3
12 17	2 38.45	+11 57.8	2.128	2.915	13.6	20.5

342293 2008 TZ_{35} 11 10.6 255°.60 1°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.13	+17 4.5	1.718	2.570	14.3	20.8
10 18	3 23.91	+16 18.0	1.639	2.562	10.6	20.6
10 28	3 16.36	+15 21.6	1.584	2.553	6.3	20.3
11 7	3 7.29	+14 19.3	1.555	2.544	1.9	20.0
11 17	2 57.79	+13 16.6	1.554	2.534	3.7	20.1
11 27	2 49.09	+12 19.9	1.581	2.525	8.3	20.4
12 7	2 42.23	+11 35.2	1.634	2.515	12.5	20.6
12 17	2 37.87	+11 6.1	1.709	2.506	16.1	20.8

29186 Lake Tekapo 11 10.6 261°.80 0°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.71	+16 37.5	1.602	2.452	15.2	18.1
10 18	3 26.77	+16 40.4	1.526	2.446	11.3	17.9
10 28	3 18.17	+16 36.9	1.473	2.441	6.8	17.6
11 7	3 7.81	+16 28.3	1.446	2.435	1.8	17.3
11 17	2 56.89	+16 17.3	1.446	2.429	3.4	17.4
11 27	2 46.83	+16 7.8	1.475	2.423	8.3	17.6
12 7	2 38.83	+16 4.2	1.529	2.417	12.7	17.9
12 17	2 33.64	+16 9.6	1.605	2.411	16.5	18.1

509417 2007 EG_{35} 11 10.6 203°.15 2°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.09	+11 24.9	1.967	2.815	12.9	22.0
10 18	3 25.01	+10 47.5	1.891	2.811	9.5	21.8
10 28	3 16.87	+10 6.9	1.840	2.806	5.8	21.5
11 7	3 7.41	+ 9 27.1	1.817	2.801	2.9	21.3
11 17	2 57.61	+ 8 52.2	1.823	2.795	4.5	21.4
11 27	2 48.53	+ 8 26.7	1.857	2.789	8.2	21.6
12 7	2 41.09	+ 8 13.7	1.919	2.782	11.8	21.9
12 17	2 35.89	+ 8 14.7	2.003	2.775	14.9	22.1

232170 2002 EP_{22} 11 10.6 151°.10 0°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.25	+18 46.1	2.243	3.073	12.2	21.4
10 18	3 25.61	+18 37.5	2.173	3.083	9.0	21.2
10 28	3 17.10	+18 21.6	2.128	3.092	5.4	21.0
11 7	3 7.45	+18 0.1	2.112	3.100	1.5	20.8
11 17	2 57.57	+17 35.2	2.126	3.108	2.5	20.9
11 27	2 48.44	+17 10.6	2.170	3.116	6.2	21.1
12 7	2 40.86	+16 50.0	2.243	3.122	9.6	21.4
12 17	2 35.39	+16 36.3	2.340	3.128	12.5	21.6

484550 2008 GF_{79} 11 10.6 239°.16 0°.5/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.50	+16 29.8	2.480	3.314	11.0	22.7
10 18	3 23.63	+16 22.0	2.387	3.300	8.2	22.5
10 28	3 15.99	+16 9.2	2.320	3.285	4.9	22.2
11 7	3 7.18	+15 52.8	2.281	3.270	1.3	21.9
11 17	2 57.98	+15 34.9	2.273	3.255	2.5	22.0
11 27	2 49.26	+15 18.4	2.296	3.239	6.1	22.2
12 7	2 41.82	+15 6.5	2.347	3.222	9.4	22.4
12 17	2 36.23	+15 1.6	2.422	3.206	12.3	22.6

55604 2002 RS_{135} 11 10.6 351°.60 6°.5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.00	+ 2 26.2	1.513	2.377	15.2	18.2
10 18	3 23.90	+ 1 53.6	1.451	2.373	11.7	18.0
10 28	3 16.37	+ 1 28.0	1.412	2.370	8.3	17.8
11 7	3 7.29	+ 1 15.0	1.398	2.367	6.5	17.7
11 17	2 57.84	+ 1 19.4	1.409	2.365	7.9	17.8
11 27	2 49.29	+ 1 43.8	1.446	2.363	11.3	18.0
12 7	2 42.70	+ 2 27.9	1.506	2.362	14.8	18.2
12 17	2 38.74	+ 3 29.4	1.586	2.362	18.0	18.4

523402 2017 DU_{113} 11 10.7 197°.71 1°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.02	+13 19.0	2.541	3.379	10.6	21.1
10 18	3 23.12	+13 12.8	2.462	3.377	7.8	21.0
10 28	3 15.60	+13 3.9	2.408	3.375	4.7	20.8
11 7	3 7.06	+12 54.3	2.384	3.372	1.6	20.5
11 17	2 58.24	+12 46.0	2.390	3.368	2.9	20.6
11 27	2 49.96	+12 41.4	2.426	3.365	6.1	20.8
12 7	2 42.93	+12 42.7	2.491	3.361	9.2	21.0
12 17	2 37.67	+12 51.4	2.580	3.357	11.8	21.2

41359 2000 AG_{55} 11 10.7 326°.52 1°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 19.73	+11 8.5	4.202	5.043	6.7	19.2
10 18	3 15.82	+10 49.0	4.125	5.042	4.9	19.1
10 28	3 11.07	+10 28.7	4.075	5.041	3.0	19.0
11 7	3 5.81	+10 9.0	4.055	5.040	1.4	18.8
11 17	3 0.43	+ 9 51.7	4.066	5.039	2.3	18.9
11 27	2 55.34	+ 9 38.3	4.108	5.038	4.2	19.1
12 7	2 50.90	+ 9 30.1	4.178	5.037	6.0	19.2
12 17	2 47.41	+ 9 28.1	4.274	5.036	7.7	19.3

86476 2000 CT_{82} 11 10.7 308°.23 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.35	+16 9.4	1.353	2.219	16.5	19.7
10 18	3 24.73	+15 43.5	1.276	2.205	12.3	19.4
10 28	3 17.17	+15 8.4	1.219	2.190	7.4	19.1
11 7	3 7.59	+14 27.6	1.187	2.176	2.2	18.7
11 17	2 57.32	+13 46.3	1.181	2.162	4.3	18.8
11 27	2 47.94	+13 11.3	1.200	2.149	9.7	19.1
12 7	2 40.81	+12 48.7	1.243	2.136	14.7	19.3
12 17	2 36.77	+12 42.0	1.306	2.123	18.9	19.6

111830 2002 EO_{9} 11 10.7 231°.96 2°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.99	+14 34.0	1.421	2.284	16.1	20.2
10 18	3 25.60	+13 43.6	1.354	2.281	11.9	20.0
10 28	3 17.49	+12 45.1	1.308	2.278	7.1	19.7
11 7	3 7.63	+11 43.5	1.288	2.275	2.8	19.4
11 17	2 57.35	+10 45.7	1.294	2.272	4.9	19.6
11 27	2 48.08	+ 9 59.0	1.328	2.269	9.8	19.8
12 7	2 41.02	+ 9 28.6	1.385	2.266	14.3	20.1
12 17	2 36.87	+ 9 17.2	1.463	2.262	18.1	20.3

509004 2005 GR_{229} 11 10.7 157°.87 0°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.54	+20 0.5	2.104	2.937	12.7	21.8
10 18	3 24.55	+19 52.3	2.031	2.942	9.5	21.6
10 28	3 16.57	+19 35.5	1.982	2.945	5.7	21.4
11 7	3 7.35	+19 11.6	1.961	2.949	1.8	21.1
11 17	2 57.84	+18 43.2	1.969	2.952	2.5	21.2
11 27	2 49.07	+18 14.2	2.007	2.955	6.5	21.5
12 7	2 41.90	+17 48.8	2.073	2.958	10.0	21.7
12 17	2 36.92	+17 30.6	2.162	2.960	13.1	21.9

324257 2006 BH_{211} 11 10.7 105°.54 2°.7/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.97	+26 29.2	2.349	3.162	12.2	21.2
10 18	3 23.33	+26 38.5	2.273	3.166	9.4	21.0
10 28	3 15.82	+26 36.3	2.222	3.171	6.3	20.8
11 7	3 7.15	+26 22.6	2.197	3.176	3.4	20.6
11 17	2 58.19	+25 58.8	2.203	3.181	3.1	20.6
11 27	2 49.90	+25 28.2	2.237	3.185	5.9	20.8
12 7	2 43.09	+24 55.3	2.300	3.190	8.9	21.0
12 17	2 38.31	+24 24.5	2.387	3.194	11.7	21.2

248855 2006 TW_{76} 11 10.7 345°.94 3°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.10	+28 4.6	1.407	2.252	17.3	19.6
10 18	3 21.63	+27 56.7	1.330	2.240	13.5	19.4
10 28	3 15.31	+27 27.9	1.274	2.230	9.2	19.1
11 7	3 7.09	+26 38.4	1.241	2.222	5.0	18.8
11 17	2 58.29	+25 31.5	1.233	2.214	4.4	18.8
11 27	2 50.46	+24 15.1	1.251	2.207	8.4	19.0
12 7	2 44.88	+22 59.0	1.293	2.202	12.9	19.2
12 17	2 42.30	+21 51.7	1.356	2.198	17.0	19.5

349808 2009 BS_{116} 11 10.7 325°.06 5°.5/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.15	+25 48.1	1.334	2.178	18.1	20.5
10 18	3 27.54	+27 2.0	1.243	2.152	14.4	20.1
10 28	3 19.35	+28 5.8	1.173	2.126	10.1	19.8
11 7	3 8.34	+28 54.1	1.125	2.102	6.3	19.6
11 17	2 55.94	+29 23.4	1.103	2.078	6.1	19.5
11 27	2 44.15	+29 34.3	1.105	2.055	10.1	19.6
12 7	2 34.83	+29 32.5	1.131	2.034	14.9	19.8
12 17	2 29.27	+29 26.2	1.176	2.013	19.3	20.1

93250 2000 SP_{157} 11 10.7 245°.47 3°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.13	+26 47.5	1.898	2.717	14.5	19.3
10 18	3 26.24	+26 51.6	1.808	2.705	11.3	19.0
10 28	3 17.85	+26 41.0	1.741	2.693	7.6	18.8
11 7	3 7.77	+26 15.1	1.700	2.680	4.0	18.6
11 17	2 57.12	+25 35.4	1.687	2.666	3.7	18.5
11 27	2 47.20	+24 46.8	1.703	2.653	7.2	18.7
12 7	2 39.14	+23 55.7	1.746	2.639	11.1	18.9
12 17	2 33.69	+23 8.7	1.812	2.624	14.6	19.1

29915 1999 JG_{18} 11 10.7 272°.71 2°.3/11.9 18 R

10 8	3 31.18	+23 52.7	2.069	2.893	13.3	18.7
10 18	3 25.40	+24 9.6	1.974	2.876	10.2	18.4
10 28	3 17.32	+24 16.3	1.902	2.858	6.6	18.2
11 7	3 7.65	+24 12.2	1.858	2.841	3.1	17.9
11 17	2 57.37	+23 58.0	1.842	2.823	3.2	17.9
11 27	2 47.66	+23 37.0	1.856	2.805	6.8	18.1
12 7	2 39.56	+23 13.7	1.896	2.787	10.5	18.3
12 17	2 33.82	+22 53.1	1.961	2.768	13.9	18.5

293354 2007 DB_{110} 11 10.7 241°.83 0°.4/10.9 17

10 8	3 27.72	+19 58.0	2.406	3.238	11.4	22.0
10 18	3 22.38	+19 41.0	2.317	3.228	8.5	21.8
10 28	3 15.28	+19 16.0	2.254	3.218	5.1	21.5
11 7	3 7.04	+18 44.4	2.219	3.207	1.5	21.3
11 17	2 58.47	+18 8.8	2.213	3.196	2.3	21.3
11 27	2 50.44	+17 33.0	2.238	3.185	5.9	21.5
12 7	2 43.73	+17 1.0	2.291	3.174	9.3	21.7
12 17	2 38.91	+16 36.1	2.368	3.162	12.2	21.9

180214 2003 UB_{9} 11 10.7 9°.30 26°.8/ 8.9 18

10 8	3 29.66	−32 53.2	0.860	1.663	28.8	18.0
10 18	3 25.45	−34 4.4	0.849	1.665	27.9	18.0
10 28	3 17.51	−34 16.0	0.847	1.670	27.1	18.0
11 7	3 7.61	−33 17.7	0.857	1.677	26.8	18.0
11 17	2 57.79	−31 7.7	0.878	1.688	27.0	18.1
11 27	2 49.98	−27 53.8	0.912	1.700	27.5	18.2
12 7	2 45.38	−23 51.9	0.959	1.716	28.5	18.3
12 17	2 44.42	−19 20.0	1.021	1.733	29.5	18.5

60832 2000 HU_{48} 11 10.7 31°.20 0°.3/10.7 18

10 8	3 34.04	+17 31.4	1.112	1.981	19.2	18.6
10 18	3 28.49	+17 46.0	1.057	1.986	14.3	18.3
10 28	3 19.49	+17 51.7	1.021	1.991	8.6	18.0
11 7	3 8.25	+17 49.6	1.008	1.998	2.4	17.7
11 17	2 56.48	+17 42.5	1.020	2.004	3.9	17.8
11 27	2 46.12	+17 35.6	1.057	2.011	9.9	18.2
12 7	2 38.63	+17 34.7	1.117	2.019	15.1	18.5
12 17	2 34.78	+17 43.6	1.195	2.027	19.5	18.8

453743 2011 BO_{161} 11 10.7 324°.75 1°.9/ 9.7 17

10 8	3 28.79	+12 1.1	1.936	2.789	12.9	20.7
10 18	3 23.48	+12 0.2	1.857	2.779	9.5	20.5
10 28	3 16.08	+11 57.7	1.802	2.770	5.7	20.2
11 7	3 7.29	+11 55.8	1.773	2.761	2.2	20.0
11 17	2 58.06	+11 56.9	1.774	2.752	3.7	20.1
11 27	2 49.48	+12 3.8	1.802	2.744	7.6	20.3
12 7	2 42.47	+12 18.7	1.858	2.736	11.4	20.5
12 17	2 37.70	+12 42.9	1.935	2.728	14.6	20.7

349796 2009 BK_{80} 11 10.7 293°.18 0°.3/10.5 18

10 8	3 30.42	+17 7.8	1.694	2.544	14.5	20.9
10 18	3 25.14	+17 4.6	1.605	2.525	10.9	20.6
10 28	3 17.30	+16 54.1	1.539	2.507	6.5	20.3
11 7	3 7.67	+16 38.1	1.499	2.488	1.8	20.0
11 17	2 57.36	+16 19.2	1.486	2.469	3.3	20.0
11 27	2 47.72	+16 1.8	1.502	2.450	8.1	20.3
12 7	2 39.93	+15 50.5	1.543	2.432	12.6	20.5
12 17	2 34.79	+15 48.9	1.606	2.413	16.4	20.7

144037 2004 BL_{24} 11 10.7 281°.76 4°.4/ 8.4 18

10 8	3 30.64	+ 9 14.7	1.455	2.320	15.6	20.3
10 18	3 25.46	+ 8 29.3	1.377	2.305	11.7	20.0
10 28	3 17.53	+ 7 41.5	1.322	2.289	7.5	19.7
11 7	3 7.73	+ 6 57.1	1.291	2.273	4.5	19.5
11 17	2 57.30	+ 6 22.6	1.287	2.257	6.5	19.6
11 27	2 47.69	+ 6 3.8	1.310	2.242	10.9	19.8
12 7	2 40.15	+ 6 4.2	1.355	2.226	15.3	20.0
12 17	2 35.50	+ 6 24.5	1.420	2.210	19.1	20.3

48484 1992 ET_{1} 11 10.7 110°.07 2°.2/12.0 18

10 8	3 32.53	+23 54.5	1.965	2.790	13.8	19.1
10 18	3 26.16	+24 5.0	1.899	2.801	10.5	18.9
10 28	3 17.59	+24 4.1	1.856	2.813	6.7	18.7
11 7	3 7.68	+23 51.9	1.841	2.824	3.1	18.5
11 17	2 57.48	+23 30.2	1.854	2.835	3.1	18.5
11 27	2 48.16	+23 2.9	1.897	2.846	6.6	18.8
12 7	2 40.66	+22 35.1	1.966	2.856	10.2	19.0
12 17	2 35.58	+22 11.5	2.060	2.867	13.3	19.2

309639 2008 CE_{180} 11 10.7 301°.85 0°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.74	+22 11.9	1.782	2.626	14.2	20.2
10 18	3 22.22	+21 17.8	1.694	2.611	10.7	19.9
10 28	3 15.42	+20 8.4	1.630	2.596	6.5	19.6
11 7	3 7.13	+18 46.7	1.593	2.581	1.9	19.3
11 17	2 58.40	+17 18.4	1.583	2.567	2.9	19.3
11 27	2 50.42	+15 51.3	1.603	2.552	7.6	19.6
12 7	2 44.19	+14 33.3	1.648	2.538	11.9	19.8
12 17	2 40.39	+13 30.1	1.716	2.524	15.5	20.0

216062 2006 QJ_{7} 11 10.7 103°.40 13°.3/ 1.9 18

10 8	3 31.92	−12 41.4	1.530	2.359	16.9	20.5
10 18	3 25.71	−14 53.0	1.508	2.378	14.7	20.4
10 28	3 17.24	−16 41.4	1.508	2.396	13.5	20.4
11 7	3 7.55	−17 56.4	1.531	2.413	13.4	20.4
11 17	2 57.84	−18 32.3	1.576	2.431	14.6	20.5
11 27	2 49.32	−18 28.3	1.643	2.447	16.4	20.7
12 7	2 42.89	−17 48.9	1.729	2.463	18.3	20.9
12 17	2 39.03	−16 40.7	1.830	2.479	20.0	21.1

523080 2016 QQ_{93} 11 10.7 283°.04 4°.0/12.5 18

10 8	3 33.67	+26 20.6	1.539	2.370	16.7	21.3
10 18	3 27.91	+26 51.6	1.459	2.362	13.1	21.1
10 28	3 19.11	+27 7.9	1.401	2.354	8.9	20.8
11 7	3 8.19	+27 7.2	1.367	2.346	4.9	20.5
11 17	2 56.54	+26 49.9	1.359	2.338	4.6	20.5
11 27	2 45.80	+26 20.3	1.379	2.330	8.5	20.7
12 7	2 37.35	+25 45.5	1.424	2.322	12.8	21.0
12 17	2 32.09	+25 13.0	1.490	2.314	16.7	21.2

90575 2004 GE_{23} 11 10.7 172°.89 0°.2/10.8 18

10 8	3 33.04	+19 6.9	1.851	2.689	14.0	21.2
10 18	3 26.64	+18 53.6	1.778	2.692	10.4	21.0
10 28	3 17.95	+18 31.2	1.729	2.694	6.3	20.7
11 7	3 7.80	+18 1.6	1.707	2.696	1.8	20.4
11 17	2 57.31	+17 27.9	1.714	2.697	2.9	20.5
11 27	2 47.67	+16 54.9	1.751	2.698	7.3	20.8
12 7	2 39.89	+16 27.3	1.814	2.698	11.3	21.0
12 17	2 34.60	+16 9.0	1.900	2.698	14.6	21.3

78569 2002 RC_{184} 11 10.7 339°.08 7°.2/16.3 17

10 8	3 29.21	+39 14.4	2.099	2.864	15.1	18.8
10 18	3 24.15	+39 43.5	2.015	2.858	12.7	18.7
10 28	3 16.63	+39 52.0	1.951	2.851	10.2	18.5
11 7	3 7.48	+39 36.9	1.910	2.846	8.0	18.3
11 17	2 57.83	+38 57.9	1.896	2.840	7.2	18.3
11 27	2 48.97	+37 58.5	1.908	2.836	8.3	18.3
12 7	2 42.02	+36 45.8	1.947	2.831	10.6	18.5
12 17	2 37.68	+35 28.0	2.009	2.827	13.2	18.6

66091 1998 RM_{76} 11 10.7 7°.35 2°.7/12.3 18

10 8	3 30.43	+24 42.6	2.071	2.894	13.3	18.6
10 18	3 24.70	+25 9.4	1.994	2.894	10.2	18.4
10 28	3 16.81	+25 25.7	1.941	2.895	6.7	18.2
11 7	3 7.51	+25 30.8	1.915	2.896	3.5	18.0
11 17	2 57.79	+25 25.3	1.917	2.897	3.3	18.0
11 27	2 48.77	+25 12.2	1.949	2.898	6.5	18.2
12 7	2 41.41	+24 55.8	2.007	2.899	10.0	18.4
12 17	2 36.35	+24 40.6	2.090	2.900	13.0	18.6

461336 2015 XM_{313} 11 10.7 30°.08 0°.8/11.2 18

10 8	3 26.73	+21 53.8	1.900	2.742	13.6	20.6
10 18	3 21.92	+21 25.4	1.833	2.747	10.1	20.4
10 28	3 15.08	+20 45.5	1.789	2.753	6.2	20.1
11 7	3 7.01	+19 56.4	1.772	2.760	2.0	19.9
11 17	2 58.70	+19 2.2	1.783	2.766	2.6	19.9
11 27	2 51.20	+18 8.3	1.822	2.773	6.7	20.2
12 7	2 45.38	+17 20.3	1.888	2.780	10.5	20.5
12 17	2 41.79	+16 42.5	1.978	2.788	13.7	20.7

485829 2012 DQ_{68} 11 10.7 349°.98 7°.0/ 5.6 18

10 8	3 25.48	+ 0 55.9	1.818	2.678	13.3	20.8
10 18	3 20.96	− 0 21.8	1.759	2.675	10.4	20.6
10 28	3 14.51	− 1 34.0	1.725	2.673	7.9	20.5
11 7	3 6.86	− 2 33.5	1.716	2.671	7.1	20.4
11 17	2 58.96	− 3 14.5	1.733	2.669	8.5	20.5
11 27	2 51.79	− 3 32.8	1.777	2.668	11.1	20.7
12 7	2 46.20	− 3 27.6	1.843	2.667	14.0	20.9
12 17	2 42.73	− 3 0.7	1.929	2.667	16.5	21.0

300466 2007 TC_{97} 11 10.7 105°.62 1°.1/ 9.9 18

10 8	3 29.94	+16 25.7	1.837	2.685	13.7	22.1
10 18	3 24.22	+15 50.9	1.775	2.696	10.0	21.8
10 28	3 16.41	+15 9.1	1.738	2.706	5.9	21.6
11 7	3 7.37	+14 23.5	1.727	2.716	1.7	21.4
11 17	2 58.13	+13 38.6	1.746	2.726	3.4	21.5
11 27	2 49.77	+12 59.5	1.793	2.736	7.5	21.8
12 7	2 43.18	+12 30.4	1.866	2.746	11.2	22.0
12 17	2 38.91	+12 13.9	1.962	2.755	14.4	22.3

119509 2001 UH_{133} 11 10.7 213°.48 0°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.32	+19 58.1	1.826	2.666	14.1	20.1
10 18	3 25.49	+19 33.7	1.747	2.662	10.5	19.9
10 28	3 17.33	+18 58.8	1.691	2.657	6.4	19.7
11 7	3 7.66	+18 15.2	1.662	2.651	1.8	19.3
11 17	2 57.58	+17 26.9	1.662	2.645	2.9	19.4
11 27	2 48.31	+16 39.5	1.691	2.639	7.4	19.7
12 7	2 40.85	+15 58.5	1.746	2.632	11.5	19.9
12 17	2 35.89	+15 28.3	1.824	2.625	15.0	20.1

363813 2005 NC_3 11 10.7 162°.39 3°.0/ 8.3 18

10 8	3 27.95	+10 43.4	2.258	3.106	11.5	21.8
10 18	3 22.42	+ 9 45.9	2.191	3.111	8.4	21.6
10 28	3 15.23	+ 8 45.7	2.150	3.115	5.2	21.5
11 7	3 7.05	+ 7 47.3	2.137	3.119	3.0	21.3
11 17	2 58.67	+ 6 55.2	2.154	3.122	4.5	21.4
11 27	2 50.97	+ 6 13.7	2.201	3.125	7.6	21.6
12 7	2 44.65	+ 5 45.7	2.274	3.128	10.6	21.8
12 17	2 40.20	+ 5 32.5	2.371	3.130	13.2	22.0

237872 2002 JE_{103} 11 10.7 236°.77 0°.7/10.2 18

10 8	3 29.31	+18 17.3	1.957	2.800	13.2	20.6
10 18	3 23.87	+17 36.1	1.873	2.790	9.8	20.3
10 28	3 16.32	+16 45.1	1.813	2.780	5.8	20.1
11 7	3 7.39	+15 47.4	1.781	2.770	1.6	19.8
11 17	2 58.07	+14 47.6	1.778	2.759	3.1	19.9
11 27	2 49.46	+13 51.4	1.804	2.748	7.4	20.1
12 7	2 42.48	+13 4.2	1.857	2.737	11.3	20.3
12 17	2 37.77	+12 29.9	1.933	2.726	14.6	20.5

320769 2008 EJ_{96} 11 10.7 233°.62 6°.1/ 7.2 18

10 8	3 30.58	+ 5 15.6	1.526	2.389	15.2	20.4
10 18	3 25.11	+ 4 9.8	1.462	2.385	11.5	20.2
10 28	3 17.16	+ 3 5.9	1.421	2.381	8.0	20.0
11 7	3 7.63	+ 2 11.0	1.405	2.376	6.1	19.9
11 17	2 57.72	+ 1 32.1	1.415	2.372	7.8	20.0
11 27	2 48.73	+ 1 14.3	1.452	2.367	11.4	20.2
12 7	2 41.73	+ 1 19.3	1.512	2.362	15.1	20.4
12 17	2 37.39	+ 1 46.1	1.591	2.357	18.4	20.6

398751 2013 AY_{35} 11 10.7 267°.51 6°.9/15.4 14 C

10 8	3 33.12	+37 28.2	2.027	2.797	15.4	21.3
10 18	3 27.24	+37 55.2	1.928	2.779	12.9	21.1
10 28	3 18.63	+38 1.9	1.851	2.760	10.1	20.9
11 7	3 8.09	+37 44.7	1.797	2.741	7.7	20.7
11 17	2 56.84	+37 2.5	1.770	2.722	7.0	20.6
11 27	2 46.31	+35 58.9	1.771	2.703	8.5	20.7
12 7	2 37.77	+34 41.5	1.798	2.683	11.3	20.8
12 17	2 32.08	+33 19.4	1.849	2.663	14.3	21.0

124052 2001 FM_{152} 11 10.7 131°.08 0°.7/10.2 18

10 8	3 27.96	+15 54.1	2.600	3.436	10.5	19.8
10 18	3 22.28	+15 40.4	2.532	3.446	7.7	19.7
10 28	3 15.10	+15 22.3	2.490	3.456	4.5	19.5
11 7	3 7.03	+15 1.7	2.476	3.465	1.3	19.2
11 17	2 58.77	+14 40.8	2.493	3.474	2.4	19.4
11 27	2 51.11	+14 22.6	2.541	3.483	5.7	19.6
12 7	2 44.68	+14 9.6	2.616	3.491	8.6	19.8
12 17	2 39.97	+14 3.8	2.717	3.499	11.1	20.0

479755 2014 ER_{20} 11 10.7 101°.52 3°.4/ 8.8 18

10 8	3 30.26	+10 25.6	1.685	2.543	14.2	20.5
10 18	3 24.62	+ 9 47.3	1.624	2.548	10.5	20.3
10 28	3 16.74	+ 9 7.2	1.586	2.553	6.5	20.0
11 7	3 7.50	+ 8 29.7	1.575	2.558	3.5	19.9
11 17	2 58.00	+ 7 59.7	1.591	2.563	5.1	20.0
11 27	2 49.39	+ 7 41.6	1.636	2.568	9.0	20.2
12 7	2 42.65	+ 7 38.1	1.705	2.573	12.7	20.5
12 17	2 38.36	+ 7 49.9	1.795	2.578	15.9	20.7

150374 Jasoncook 11 10.7 99°.92 1°.0/10.1 18

10 8	3 33.24	+16 55.0	1.621	2.469	15.2	21.1
10 18	3 26.79	+16 24.0	1.568	2.488	11.1	20.8
10 28	3 17.99	+15 45.1	1.538	2.506	6.5	20.6
11 7	3 7.83	+15 1.6	1.535	2.524	1.8	20.4
11 17	2 57.55	+14 18.4	1.561	2.542	3.5	20.5
11 27	2 48.38	+13 40.9	1.614	2.559	8.0	20.8
12 7	2 41.29	+13 13.8	1.693	2.575	12.1	21.1
12 17	2 36.85	+12 59.7	1.795	2.592	15.4	21.4

519256 2011 AB_9 11 10.7 156°.03 3°.1/13.8 18

10 8	3 28.30	+31 5.6	3.088	3.871	10.3	21.8
10 18	3 22.49	+31 1.2	3.008	3.878	8.1	21.7
10 28	3 15.22	+30 44.8	2.952	3.885	5.8	21.6
11 7	3 7.08	+30 16.5	2.925	3.892	3.7	21.4
11 17	2 58.75	+29 37.6	2.928	3.898	3.2	21.4
11 27	2 50.99	+28 51.1	2.961	3.904	4.9	21.5
12 7	2 44.41	+28 1.2	3.024	3.909	7.2	21.7
12 17	2 39.48	+27 11.9	3.114	3.914	9.4	21.9

257210 2008 XO_{22} 11 10.7 251°.15 2°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.38	+11 37.1	1.892	2.741	13.3	20.4
10 18	3 25.46	+11 26.1	1.812	2.732	9.9	20.2
10 28	3 17.32	+11 13.0	1.756	2.723	6.0	20.0
11 7	3 7.71	+11 0.7	1.727	2.713	2.5	19.7
11 17	2 57.65	+10 52.2	1.727	2.704	4.1	19.8
11 27	2 48.26	+10 50.7	1.756	2.694	8.1	20.0
12 7	2 40.55	+10 58.8	1.811	2.684	11.9	20.3
12 17	2 35.19	+11 18.0	1.888	2.673	15.2	20.5

380424 2003 FO_{75} 11 10.7 307°.61 1°.1/11.3 18

10 8	3 28.03	+22 45.0	1.379	2.235	16.9	20.1
10 18	3 23.98	+22 13.7	1.289	2.211	12.9	19.8
10 28	3 16.91	+21 24.2	1.220	2.187	8.1	19.5
11 7	3 7.69	+20 18.2	1.175	2.163	2.7	19.1
11 17	2 57.64	+19 0.8	1.156	2.140	3.5	19.1
11 27	2 48.40	+17 40.8	1.163	2.117	9.2	19.4
12 7	2 41.40	+16 28.4	1.193	2.095	14.4	19.6
12 17	2 37.56	+15 31.4	1.244	2.073	19.0	19.8

341092 2007 JQ_4 11 10.7 249°.08 1°.5/ 9.7 18

10 8	3 29.68	+16 18.9	1.713	2.565	14.3	20.9
10 18	3 24.39	+15 34.0	1.634	2.557	10.6	20.7
10 28	3 16.74	+14 40.0	1.580	2.548	6.3	20.4
11 7	3 7.56	+13 41.0	1.551	2.540	2.0	20.1
11 17	2 57.95	+12 42.4	1.551	2.531	3.8	20.2
11 27	2 49.14	+11 50.6	1.579	2.522	8.4	20.5
12 7	2 42.16	+11 10.9	1.633	2.513	12.6	20.7
12 17	2 37.70	+10 46.9	1.708	2.503	16.1	20.9

101447 1998 VY_{50} 11 10.7 30°.67 6°.2/ 9.2 18

10 8	3 35.17	+ 3 13.1	1.073	1.947	19.3	18.2
10 18	3 28.99	+ 3 24.3	1.033	1.961	14.6	18.0
10 28	3 19.59	+ 3 46.1	1.012	1.976	9.7	17.7
11 7	3 8.31	+ 4 22.5	1.014	1.993	6.3	17.6
11 17	2 56.83	+ 5 15.0	1.041	2.010	7.7	17.8
11 27	2 46.91	+ 6 23.2	1.092	2.029	12.0	18.1
12 7	2 39.81	+ 7 44.3	1.166	2.048	16.3	18.4
12 17	2 36.16	+ 9 14.8	1.259	2.068	20.0	18.7

168618 2000 BT_{26} 11 10.7 272°.17 2°.0/ 9.4 18

10 8	3 29.12	+13 31.9	1.924	2.775	13.0	20.5
10 18	3 23.83	+13 1.2	1.836	2.758	9.7	20.3
10 28	3 16.38	+12 25.4	1.772	2.740	5.8	20.0
11 7	3 7.48	+11 47.8	1.735	2.722	2.3	19.7
11 17	2 58.07	+11 12.5	1.727	2.704	4.0	19.8
11 27	2 49.27	+10 44.2	1.747	2.686	8.0	20.0
12 7	2 42.05	+10 26.7	1.794	2.668	11.9	20.2
12 17	2 37.11	+10 22.6	1.862	2.649	15.3	20.4

311825 2006 UA_{286} 11 10.7 68°.96 0°.5/10.4 18

10 8	3 30.42	+16 13.3	1.898	2.744	13.4	20.7
10 18	3 24.66	+16 10.9	1.829	2.747	9.9	20.4
10 28	3 16.77	+16 3.1	1.784	2.751	5.9	20.2
11 7	3 7.55	+15 51.5	1.766	2.755	1.6	19.9
11 17	2 58.01	+15 38.7	1.777	2.759	3.0	20.1
11 27	2 49.25	+15 28.2	1.817	2.763	7.1	20.3
12 7	2 42.19	+15 23.3	1.883	2.767	10.9	20.6
12 17	2 37.46	+15 26.6	1.973	2.771	14.1	20.8

242854 2006 FU_{49} 11 10.7 195°.59 2°.4/ 8.7 17

10 8	3 26.08	+10 12.4	2.674	3.519	10.0	20.7
10 18	3 20.92	+ 9 39.2	2.599	3.517	7.4	20.5
10 28	3 14.33	+ 9 4.8	2.550	3.515	4.6	20.4
11 7	3 6.87	+ 8 31.9	2.530	3.513	2.5	20.2
11 17	2 59.19	+ 8 3.7	2.540	3.510	3.7	20.3
11 27	2 52.01	+ 7 43.1	2.580	3.507	6.4	20.5
12 7	2 45.96	+ 7 32.1	2.648	3.504	9.2	20.6
12 17	2 41.50	+ 7 31.9	2.739	3.501	11.5	20.8

398240 2010 RA_{76} 11 10.7 68°.33 4°.6/ 7.2 18

10 8	3 27.11	+ 8 37.1	1.827	2.687	13.2	20.4
10 18	3 22.01	+ 7 8.3	1.779	2.703	9.7	20.2
10 28	3 15.05	+ 5 38.8	1.756	2.720	6.4	20.1
11 7	3 7.05	+ 4 15.5	1.761	2.737	4.6	20.0
11 17	2 58.96	+ 3 5.0	1.795	2.753	6.2	20.2
11 27	2 51.76	+ 2 12.6	1.855	2.770	9.4	20.4
12 7	2 46.20	+ 1 40.7	1.941	2.787	12.5	20.6
12 17	2 42.76	+ 1 29.4	2.048	2.804	15.1	20.8

326022 2010 WK_{69} 11 10.7 202°.03 1°.2/ 9.9 18

10 8	3 28.71	+13 58.5	2.386	3.227	11.2	21.2
10 18	3 23.05	+13 48.0	2.308	3.225	8.2	21.0
10 28	3 15.69	+13 34.2	2.256	3.223	4.9	20.8
11 7	3 7.26	+13 19.2	2.232	3.220	1.6	20.6
11 17	2 58.54	+13 5.2	2.238	3.218	2.9	20.7
11 27	2 50.38	+12 55.1	2.275	3.215	6.3	20.9
12 7	2 43.55	+12 51.4	2.338	3.212	9.5	21.1
12 17	2 38.58	+12 55.8	2.426	3.208	12.3	21.3

198713 2005 CA_{54} 11 10.7 293°.23 1°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.80	+23 14.7	2.354	3.179	11.8	20.4
10 18	3 22.53	+23 16.5	2.273	3.176	9.0	20.2
10 28	3 15.44	+23 8.8	2.216	3.174	5.7	20.0
11 7	3 7.20	+22 52.2	2.186	3.171	2.4	19.8
11 17	2 58.63	+22 28.5	2.186	3.168	2.5	19.8
11 27	2 50.65	+22 0.8	2.215	3.165	5.8	20.0
12 7	2 44.06	+21 33.4	2.272	3.162	9.0	20.2
12 17	2 39.42	+21 9.9	2.354	3.159	11.9	20.4

197404 2003 YO_{35} 11 10.7 16°.84 2°.2/ 9.3 18

10 8	3 26.97	+11 47.4	1.922	2.778	12.8	19.5
10 18	3 22.04	+11 29.8	1.858	2.782	9.4	19.3
10 28	3 15.17	+11 10.2	1.818	2.787	5.7	19.1
11 7	3 7.12	+10 51.6	1.805	2.792	2.5	18.9
11 17	2 58.80	+10 37.3	1.821	2.797	3.9	19.0
11 27	2 51.23	+10 30.6	1.864	2.803	7.6	19.2
12 7	2 45.22	+10 33.8	1.933	2.809	11.1	19.5
12 17	2 41.34	+10 47.9	2.025	2.816	14.1	19.7

286050 2001 SW_{228} 11 10.7 54°.50 0°.6/10.4 18

10 8	3 30.52	+16 58.1	1.644	2.496	14.8	20.6
10 18	3 24.78	+16 42.0	1.595	2.517	10.8	20.4
10 28	3 16.80	+16 18.8	1.569	2.538	6.4	20.2
11 7	3 7.55	+15 51.2	1.570	2.559	1.7	19.9
11 17	2 58.16	+15 23.0	1.598	2.580	3.2	20.1
11 27	2 49.84	+14 58.9	1.654	2.601	7.6	20.4
12 7	2 43.48	+14 42.8	1.736	2.623	11.5	20.7
12 17	2 39.62	+14 37.2	1.840	2.645	14.7	21.0

50061 2000 AF_{69} 11 10.7 294°.01 5°.2/ 8.1 18

10 8	3 30.36	+ 7 36.9	1.406	2.273	15.9	19.2
10 18	3 25.34	+ 6 50.3	1.331	2.259	12.0	18.9
10 28	3 17.53	+ 6 3.4	1.279	2.244	7.9	18.6
11 7	3 7.85	+ 5 22.4	1.251	2.230	5.2	18.5
11 17	2 57.54	+ 4 54.1	1.249	2.216	7.1	18.5
11 27	2 48.09	+ 4 43.8	1.273	2.202	11.4	18.7
12 7	2 40.75	+ 4 54.4	1.319	2.188	15.7	19.0
12 17	2 36.33	+ 5 25.6	1.385	2.175	19.5	19.2

473643 2015 XD_{321} 11 10.7 209°.22 4°.3/ 7.7 18

10 8	3 28.08	+ 3 36.7	2.469	3.312	10.8	20.6
10 18	3 22.47	+ 3 12.2	2.398	3.310	8.2	20.5
10 28	3 15.30	+ 2 51.3	2.352	3.307	5.7	20.3
11 7	3 7.15	+ 2 37.3	2.335	3.304	4.3	20.2
11 17	2 58.77	+ 2 33.2	2.347	3.301	5.3	20.3
11 27	2 50.94	+ 2 40.9	2.388	3.297	7.8	20.4
12 7	2 44.34	+ 3 1.4	2.455	3.294	10.4	20.6
12 17	2 39.47	+ 3 34.1	2.546	3.290	12.8	20.8

363416 2003 QC_{99} 11 10.7 5°.61 13°.3/ 4.7 18

10 8	3 25.70	−12 58.0	1.379	2.224	17.5	19.0
10 18	3 21.58	−13 59.6	1.341	2.226	15.3	18.8
10 28	3 15.04	−14 36.9	1.323	2.229	13.7	18.7
11 7	3 7.10	−14 41.7	1.326	2.233	13.3	18.7
11 17	2 58.96	−14 9.6	1.351	2.240	14.3	18.8
11 27	2 51.88	−13 1.1	1.396	2.248	16.2	19.0
12 7	2 46.83	−11 21.5	1.461	2.257	18.4	19.1
12 17	2 44.36	− 9 18.3	1.544	2.269	20.5	19.3

414050 2007 RC_{211} 11 10.7 15°.33 3°.8/ 7.6 18

10 8	3 24.44	+ 7 38.4	2.285	3.140	11.1	21.3
10 18	3 19.90	+ 6 42.2	2.220	3.141	8.2	21.1
10 28	3 13.79	+ 5 45.9	2.180	3.142	5.4	20.9
11 7	3 6.74	+ 4 54.1	2.168	3.144	3.8	20.8
11 17	2 59.50	+ 4 11.2	2.185	3.146	5.1	20.9
11 27	2 52.84	+ 3 40.7	2.231	3.148	7.9	21.1
12 7	2 47.46	+ 3 25.0	2.302	3.150	10.7	21.3
12 17	2 43.82	+ 3 24.5	2.396	3.152	13.2	21.5

84065 2002 PQ_{128} 11 10.7 24°.96 1°.5/11.3 18

10 8	3 31.61	+19 21.2	1.233	2.096	18.0	17.9
10 18	3 26.37	+19 55.9	1.185	2.110	13.4	17.7
10 28	3 18.10	+20 21.0	1.158	2.125	8.2	17.4
11 7	3 7.96	+20 36.0	1.154	2.142	2.9	17.2
11 17	2 57.50	+20 42.6	1.176	2.160	3.6	17.3
11 27	2 48.36	+20 44.7	1.224	2.179	8.7	17.6
12 7	2 41.78	+20 47.5	1.295	2.199	13.3	17.9
12 17	2 38.45	+20 55.1	1.387	2.220	17.2	18.2

44144 1998 HG_{98} 11 10.7 243°.64 1°.8/11.8 18

10 8	3 32.16	+24 5.8	1.577	2.415	16.0	18.8
10 18	3 26.58	+23 46.5	1.496	2.406	12.2	18.5
10 28	3 18.24	+23 11.1	1.437	2.398	7.8	18.2
11 7	3 8.04	+22 20.5	1.403	2.389	3.1	17.9
11 17	2 57.29	+21 18.7	1.396	2.380	3.3	17.9
11 27	2 47.46	+20 12.7	1.418	2.370	8.1	18.2
12 7	2 39.78	+19 10.6	1.465	2.360	12.7	18.4
12 17	2 35.04	+18 19.5	1.534	2.350	16.6	18.7

490571 2009 WU_{59} 11 10.7 32°.14 1°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.92	+12 23.3	2.055	2.904	12.4	20.9
10 18	3 23.39	+12 19.7	1.988	2.908	9.1	20.7
10 28	3 15.96	+12 14.2	1.945	2.913	5.4	20.5
11 7	3 7.36	+12 8.8	1.930	2.917	2.0	20.3
11 17	2 58.48	+12 6.1	1.944	2.922	3.4	20.4
11 27	2 50.30	+12 8.6	1.987	2.927	7.1	20.6
12 7	2 43.65	+12 18.4	2.056	2.933	10.5	20.9
12 17	2 39.08	+12 36.9	2.150	2.938	13.4	21.1

495065 2011 EC_{77} 11 10.7 280°.42 6°.5/ 3.5 17

10 8	3 25.75	− 0 13.9	2.517	3.360	10.6	21.4
10 18	3 20.90	− 2 5.8	2.428	3.331	8.5	21.2
10 28	3 14.46	− 3 56.4	2.367	3.302	6.9	21.1
11 7	3 6.97	− 5 38.7	2.334	3.272	6.6	21.0
11 17	2 59.09	− 7 6.2	2.331	3.242	8.0	21.1
11 27	2 51.62	− 8 13.5	2.356	3.212	10.2	21.2
12 7	2 45.25	− 8 58.1	2.406	3.181	12.6	21.3
12 17	2 40.54	− 9 19.7	2.476	3.150	14.7	21.4

181728 1995 ST_{10} 11 10.7 98°.98 3°.0/12.3 18

10 8	3 35.99	+24 56.4	1.530	2.361	16.8	20.4
10 18	3 29.28	+25 14.8	1.471	2.375	12.8	20.2
10 28	3 19.73	+25 18.4	1.433	2.389	8.4	20.0
11 7	3 8.41	+25 6.5	1.420	2.402	4.1	19.7
11 17	2 56.76	+24 41.1	1.435	2.416	3.9	19.8
11 27	2 46.31	+24 7.4	1.477	2.428	8.0	20.0
12 7	2 38.26	+23 32.6	1.546	2.441	12.1	20.3
12 17	2 33.28	+23 2.8	1.636	2.453	15.7	20.6

261788 2006 BH_{158} 11 10.7 332°.05 5°.1/ 6.9 18

10 8	3 25.32	+ 5 12.4	1.987	2.846	12.3	20.2
10 18	3 20.79	+ 4 12.1	1.919	2.840	9.3	20.0
10 28	3 14.44	+ 3 13.5	1.876	2.835	6.5	19.8
11 7	3 6.95	+ 2 22.0	1.859	2.830	5.1	19.7
11 17	2 59.17	+ 1 42.9	1.871	2.825	6.5	19.8
11 27	2 52.05	+ 1 20.2	1.909	2.820	9.4	20.0
12 7	2 46.37	+ 1 15.8	1.972	2.816	12.4	20.2
12 17	2 42.68	+ 1 29.4	2.057	2.812	15.1	20.3

379529 2010 VM_{71} 11 10.7 139°.74 4°.0/ 8.6 16

10 8	3 32.81	+ 9 28.7	1.557	2.415	15.2	21.3
10 18	3 26.65	+ 8 43.3	1.498	2.422	11.3	21.1
10 28	3 18.04	+ 7 56.5	1.462	2.428	7.1	20.9
11 7	3 7.94	+ 7 13.9	1.453	2.434	4.1	20.7
11 17	2 57.57	+ 6 40.9	1.471	2.440	5.9	20.8
11 27	2 48.23	+ 6 22.3	1.516	2.446	9.8	21.1
12 7	2 40.94	+ 6 20.5	1.585	2.450	13.7	21.3
12 17	2 36.33	+ 6 36.0	1.676	2.455	17.0	21.6

10687 1980 XX 11 10.7 7°.46 3°.6/ 9.4 18

10 8	3 30.05	+10 56.2	1.025	1.910	19.1	17.2
10 18	3 25.67	+10 41.0	0.973	1.910	14.2	16.9
10 28	3 17.91	+10 24.3	0.939	1.912	8.7	16.7
11 7	3 7.97	+10 11.2	0.927	1.914	3.9	16.4
11 17	2 57.51	+10 6.8	0.939	1.917	6.1	16.6
11 27	2 48.40	+10 16.0	0.974	1.922	11.5	16.9
12 7	2 42.06	+10 41.1	1.030	1.928	16.6	17.2
12 17	2 39.25	+11 22.1	1.105	1.935	20.8	17.5

325653 2009 SN_{334} 11 10.7 68°.23 6°.8/16.1 18

10 8	3 32.23	+38 31.5	2.162	2.924	14.8	20.0
10 18	3 26.21	+39 5.0	2.092	2.934	12.3	19.9
10 28	3 17.81	+39 18.5	2.042	2.944	9.8	19.7
11 7	3 7.90	+39 9.6	2.017	2.954	7.6	19.6
11 17	2 57.63	+38 38.2	2.019	2.964	6.8	19.6
11 27	2 48.26	+37 48.0	2.049	2.974	7.9	19.7
12 7	2 40.82	+36 45.8	2.104	2.985	10.1	19.8
12 17	2 35.95	+35 39.2	2.184	2.995	12.5	20.0

282846 2006 VQ_{12} 11 10.7 322°.48 15°.4/22.8 18

10 8	3 39.18	+53 1.6	1.216	1.942	25.8	19.4
10 18	3 34.00	+53 38.9	1.145	1.938	23.3	19.2
10 28	3 23.57	+53 30.7	1.086	1.935	20.5	19.0
11 7	3 9.59	+52 25.0	1.043	1.932	17.7	18.8
11 17	2 54.92	+50 16.7	1.019	1.929	15.8	18.7
11 27	2 42.67	+47 13.9	1.017	1.927	15.6	18.7
12 7	2 34.88	+43 37.1	1.037	1.925	17.4	18.8
12 17	2 32.24	+39 51.3	1.079	1.923	20.2	19.0

438371 2006 TT_{5} 11 10.7 33°.19 4°.2/12.6 18

10 8	3 33.78	+25 24.7	1.303	2.147	18.4	20.1
10 18	3 27.89	+26 13.3	1.261	2.170	14.1	19.9
10 28	3 18.95	+26 45.6	1.239	2.195	9.4	19.7
11 7	3 8.21	+26 59.6	1.241	2.221	5.2	19.5
11 17	2 57.24	+26 56.5	1.269	2.247	4.8	19.6
11 27	2 47.70	+26 41.2	1.323	2.275	8.5	19.9
12 7	2 40.82	+26 21.0	1.400	2.303	12.6	20.2
12 17	2 37.20	+26 2.5	1.500	2.332	16.1	20.5

324199 2006 AE_{78} 11 10.7 196°.01 5°.4/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.36	+37 41.8	2.635	3.391	12.6	21.1
10 18	3 24.47	+37 50.9	2.548	3.389	10.4	20.9
10 28	3 16.64	+37 42.8	2.482	3.387	8.1	20.8
11 7	3 7.58	+37 16.0	2.443	3.385	6.1	20.7
11 17	2 58.20	+36 31.2	2.432	3.382	5.4	20.6
11 27	2 49.51	+35 31.7	2.450	3.380	6.6	20.7
12 7	2 42.34	+34 23.1	2.496	3.376	8.7	20.8
12 17	2 37.28	+33 11.7	2.567	3.373	11.0	21.0

143873 2003 YC_{24} 11 10.7 176°.24 2°.4/12.2 18

10 8	3 33.16	+24 38.7	2.244	3.058	12.7	20.1
10 18	3 26.60	+24 58.3	2.164	3.060	9.7	19.9
10 28	3 17.95	+25 7.5	2.109	3.061	6.4	19.7
11 7	3 7.95	+25 5.9	2.081	3.062	3.2	19.5
11 17	2 57.57	+24 54.2	2.083	3.062	3.1	19.5
11 27	2 47.86	+24 35.6	2.115	3.063	6.2	19.7
12 7	2 39.75	+24 14.2	2.175	3.062	9.5	19.9
12 17	2 33.87	+23 54.6	2.261	3.061	12.5	20.1

198762 2005 EA_{91} 11 10.7 265°.04 5°.3/ 5.8 17

10 8	3 24.53	+ 2 11.4	2.462	3.311	10.6	20.3
10 18	3 19.92	+ 1 1.4	2.390	3.302	8.2	20.2
10 28	3 13.83	− 0 5.8	2.344	3.292	6.1	20.0
11 7	3 6.80	− 1 4.9	2.325	3.283	5.3	20.0
11 17	2 59.52	− 1 51.5	2.336	3.273	6.5	20.0
11 27	2 52.75	− 2 21.8	2.374	3.263	8.8	20.1
12 7	2 47.14	− 2 34.2	2.438	3.254	11.2	20.3
12 17	2 43.16	− 2 29.1	2.523	3.244	13.4	20.4

9407 Kimuranaoto 11 10.7 338°.96 1°.7/ 9.7 18

10 8	3 22.91	+17 14.5	1.232	2.111	16.9	16.9
10 18	3 20.23	+16 24.6	1.155	2.092	12.6	16.6
10 28	3 14.67	+15 21.1	1.100	2.073	7.5	16.2
11 7	3 7.13	+14 9.1	1.067	2.056	2.3	15.9
11 17	2 58.92	+12 56.6	1.059	2.040	4.6	16.0
11 27	2 51.60	+11 52.9	1.075	2.026	10.2	16.2
12 7	2 46.49	+11 6.1	1.113	2.014	15.3	16.5
12 17	2 44.43	+10 40.8	1.171	2.003	19.8	16.7

510168 2011 AY_{42} 11 10.7 278°.73 1°.6/11.4 18

10 8	3 33.09	+21 33.8	1.519	2.363	16.2	21.9
10 18	3 27.61	+21 38.7	1.427	2.342	12.4	21.6
10 28	3 19.09	+21 31.6	1.358	2.321	7.8	21.2
11 7	3 8.37	+21 12.4	1.313	2.300	2.9	20.9
11 17	2 56.77	+20 43.1	1.296	2.279	3.4	20.9
11 27	2 45.89	+20 9.0	1.305	2.257	8.6	21.1
12 7	2 37.18	+19 36.8	1.340	2.236	13.6	21.4
12 17	2 31.58	+19 12.8	1.395	2.214	17.9	21.6

324915 2007 VV_{289} 11 10.7 271°.84 1°.4/11.5 18

10 8	3 31.58	+23 16.9	1.367	2.216	17.4	20.8
10 18	3 26.37	+22 46.6	1.296	2.214	13.2	20.6
10 28	3 18.18	+21 58.6	1.247	2.211	8.2	20.3
11 7	3 8.06	+20 55.3	1.222	2.209	2.9	20.0
11 17	2 57.44	+19 42.2	1.223	2.207	3.4	20.0
11 27	2 47.95	+18 27.9	1.251	2.204	8.8	20.3
12 7	2 40.87	+17 21.8	1.303	2.202	13.7	20.6
12 17	2 36.95	+16 30.6	1.377	2.200	17.8	20.8

99953 1978 ND 11 10.7 164°.57 11°.4/ 1.2 18

10 8	3 32.25	−24 38.5	2.650	3.391	12.8	20.2
10 18	3 25.37	−25 40.1	2.617	3.397	11.9	20.2
10 28	3 16.92	−26 21.0	2.605	3.402	11.4	20.1
11 7	3 7.62	−26 36.2	2.616	3.407	11.5	20.2
11 17	2 58.24	−26 23.2	2.650	3.411	12.0	20.2
11 27	2 49.60	−25 41.9	2.706	3.415	13.0	20.3
12 7	2 42.38	−24 35.4	2.781	3.418	14.0	20.4
12 17	2 37.02	−23 8.0	2.875	3.420	15.0	20.5

295444 2008 MN 11 10.7 63°.35 10°.6/ 2.5 18

10 8	3 28.98	−13 56.4	2.126	2.936	13.4	20.2
10 18	3 22.98	−15 43.8	2.122	2.976	11.7	20.1
10 28	3 15.45	−17 11.3	2.142	3.015	10.7	20.1
11 7	3 7.18	−18 12.7	2.187	3.054	10.7	20.2
11 17	2 59.02	−18 44.9	2.256	3.092	11.5	20.3
11 27	2 51.79	−18 47.5	2.348	3.130	12.8	20.5
12 7	2 46.09	−18 23.6	2.461	3.167	14.1	20.7
12 17	2 42.30	−17 37.6	2.591	3.204	15.3	20.8

397090 2005 UA_{350} 11 10.7 8°.56 3°.2/11.9 18

10 8	3 31.33	+22 8.4	1.388	2.240	17.1	19.6
10 18	3 26.23	+23 8.5	1.326	2.242	13.0	19.3
10 28	3 18.15	+23 58.8	1.285	2.246	8.5	19.1
11 7	3 8.07	+24 36.8	1.268	2.252	4.1	18.9
11 17	2 57.40	+25 1.6	1.277	2.258	4.2	18.9
11 27	2 47.75	+25 15.6	1.313	2.266	8.5	19.2
12 7	2 40.48	+25 23.8	1.373	2.275	12.8	19.4
12 17	2 36.38	+25 31.4	1.454	2.286	16.6	19.7

490508 2009 UD_{71} 11 10.7 354°.00 4°.5/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.12	+25 48.8	1.664	2.494	15.7	19.9
10 18	3 26.66	+26 55.6	1.588	2.489	12.3	19.7
10 28	3 18.39	+27 51.6	1.534	2.484	8.5	19.5
11 7	3 8.16	+28 33.4	1.505	2.480	5.2	19.3
11 17	2 57.20	+28 59.2	1.503	2.478	4.9	19.3
11 27	2 47.01	+29 10.8	1.528	2.476	8.1	19.5
12 7	2 38.88	+29 12.9	1.579	2.475	11.9	19.7
12 17	2 33.70	+29 11.2	1.652	2.475	15.3	19.9

445327 2010 GD_{98} 11 10.7 156°.50 1°.2/11.6 18

10 8	3 31.91	+22 9.0	2.327	3.148	12.1	22.4
10 18	3 25.47	+22 2.5	2.253	3.156	9.1	22.2
10 28	3 17.17	+21 46.8	2.204	3.163	5.6	22.0
11 7	3 7.73	+21 22.6	2.184	3.170	2.1	21.7
11 17	2 58.04	+20 52.2	2.193	3.176	2.4	21.8
11 27	2 49.07	+20 19.3	2.234	3.181	5.9	22.0
12 7	2 41.60	+19 48.1	2.302	3.186	9.2	22.2
12 17	2 36.20	+19 22.3	2.396	3.191	12.1	22.4

284054 2005 CO_2 11 10.7 341°.93 11°.7/ 4.1 18

10 8	3 27.64	− 7 52.5	1.423	2.277	16.6	19.6
10 18	3 23.10	− 9 16.1	1.371	2.270	14.0	19.5
10 28	3 16.07	−10 23.2	1.340	2.263	12.2	19.3
11 7	3 7.46	−11 3.8	1.331	2.256	11.8	19.3
11 17	2 58.49	−11 11.2	1.346	2.251	13.1	19.4
11 27	2 50.47	−10 43.0	1.382	2.246	15.5	19.5
12 7	2 44.46	− 9 41.7	1.438	2.242	18.3	19.7
12 17	2 41.12	− 8 13.3	1.511	2.239	20.8	19.9

16177 Pelzer 11 10.7 106°.35 0°.7/10.3 18

10 8	3 32.89	+17 57.2	1.627	2.474	15.2	18.3
10 18	3 26.62	+17 24.2	1.570	2.489	11.2	18.1
10 28	3 17.98	+16 42.1	1.537	2.505	6.6	17.8
11 7	3 7.95	+15 54.1	1.530	2.519	1.8	17.6
11 17	2 57.74	+15 5.2	1.552	2.534	3.3	17.7
11 27	2 48.62	+14 21.3	1.602	2.548	7.9	18.0
12 7	2 41.57	+13 47.5	1.677	2.561	12.0	18.3
12 17	2 37.15	+13 26.9	1.775	2.574	15.4	18.5

128173 2003 RD_8 11 10.7 101°.16 1°.3/ 9.9 18

10 8	3 33.18	+14 44.1	1.868	2.712	13.7	20.1
10 18	3 26.51	+14 27.2	1.815	2.732	10.0	19.9
10 28	3 17.79	+14 5.6	1.786	2.753	5.9	19.7
11 7	3 7.89	+13 41.8	1.784	2.773	1.9	19.5
11 17	2 57.86	+13 19.4	1.812	2.792	3.4	19.6
11 27	2 48.80	+13 2.1	1.869	2.811	7.4	19.9
12 7	2 41.56	+12 52.9	1.953	2.830	11.0	20.2
12 17	2 36.68	+12 53.9	2.060	2.848	14.0	20.4

10935 1998 EC 11 10.7 38°.80 10°.9/ 7.4 18

10 8	3 33.77	− 7 19.4	1.290	2.141	18.1	16.1
10 18	3 27.44	− 7 53.9	1.256	2.157	14.8	16.0
10 28	3 18.48	− 8 7.9	1.243	2.175	12.1	15.9
11 7	3 8.07	− 7 54.7	1.253	2.193	10.9	15.9
11 17	2 57.63	− 7 11.3	1.286	2.212	11.8	16.0
11 27	2 48.57	− 5 59.0	1.344	2.231	14.3	16.2
12 7	2 41.91	− 4 23.2	1.422	2.251	17.1	16.4
12 17	2 38.17	− 2 30.6	1.520	2.272	19.7	16.7

225016 2007 EE_{202} 11 10.7 107°.26 0°.8/10.2 18

10 8	3 27.16	+16 57.0	2.174	3.018	12.0	20.8
10 18	3 22.07	+16 27.7	2.101	3.019	8.8	20.6
10 28	3 15.18	+15 51.8	2.053	3.020	5.2	20.4
11 7	3 7.20	+15 11.9	2.033	3.022	1.5	20.1
11 17	2 58.95	+14 31.6	2.041	3.023	2.8	20.2
11 27	2 51.37	+13 55.0	2.080	3.024	6.6	20.5
12 7	2 45.22	+13 26.1	2.145	3.025	10.0	20.7
12 17	2 41.04	+13 7.4	2.234	3.026	12.9	20.9

226526 2003 UK_{105} 11 10.7 57°.50 0°.8/10.1 18

10 8	3 27.30	+17 7.8	2.028	2.875	12.6	20.5
10 18	3 22.13	+16 34.0	1.973	2.893	9.2	20.3
10 28	3 15.16	+15 53.4	1.943	2.910	5.4	20.1
11 7	3 7.17	+15 9.3	1.939	2.928	1.5	19.9
11 17	2 59.05	+14 25.5	1.965	2.946	2.9	20.0
11 27	2 51.74	+13 46.7	2.020	2.964	6.7	20.3
12 7	2 45.99	+13 16.5	2.101	2.983	10.1	20.5
12 17	2 42.27	+12 57.3	2.206	3.001	12.9	20.8

446292 2014 DK_{106} 11 10.7 175°.65 1°.4/ 9.7 18

10 8	3 30.09	+15 20.7	2.083	2.926	12.5	22.4
10 18	3 24.25	+14 43.2	2.010	2.928	9.2	22.2
10 28	3 16.50	+13 59.6	1.962	2.930	5.4	21.9
11 7	3 7.57	+13 13.2	1.943	2.931	1.8	21.7
11 17	2 58.37	+12 28.0	1.953	2.931	3.3	21.8
11 27	2 49.89	+11 48.7	1.992	2.932	7.2	22.1
12 7	2 42.97	+11 19.1	2.059	2.931	10.7	22.3
12 17	2 38.16	+11 1.7	2.148	2.930	13.7	22.5

492860 2014 QS_{358} 11 10.7 356°.87 3°.7/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.64	+28 11.2	2.117	2.929	13.4	20.9
10 18	3 24.20	+28 34.3	2.038	2.928	10.5	20.7
10 28	3 16.62	+28 44.2	1.982	2.927	7.3	20.6
11 7	3 7.63	+28 40.1	1.953	2.927	4.4	20.4
11 17	2 58.22	+28 22.7	1.952	2.926	4.0	20.3
11 27	2 49.51	+27 55.3	1.979	2.926	6.6	20.5
12 7	2 42.44	+27 22.9	2.034	2.926	9.8	20.7
12 17	2 37.66	+26 50.8	2.112	2.927	12.7	20.9

229858 2009 TZ_{5} 11 10.7 68°.44 0°.5/11.0 18

10 8	3 31.15	+18 30.8	2.105	2.940	12.7	19.9
10 18	3 25.02	+18 45.4	2.042	2.954	9.4	19.7
10 28	3 16.94	+18 53.7	2.004	2.968	5.7	19.5
11 7	3 7.68	+18 56.4	1.993	2.982	1.7	19.3
11 17	2 58.18	+18 55.0	2.013	2.996	2.5	19.4
11 27	2 49.46	+18 52.3	2.061	3.010	6.3	19.6
12 7	2 42.33	+18 51.2	2.138	3.024	9.7	19.9
12 17	2 37.37	+18 54.6	2.238	3.038	12.6	20.1

63237 2001 BA_{23} 11 10.7 325°.15 0°.5/11.1 18

10 8	3 27.72	+20 11.8	1.999	2.840	13.0	19.8
10 18	3 22.73	+19 57.9	1.921	2.836	9.7	19.6
10 28	3 15.70	+19 34.8	1.867	2.832	5.9	19.4
11 7	3 7.37	+19 4.1	1.839	2.828	1.8	19.1
11 17	2 58.68	+18 28.9	1.840	2.824	2.6	19.2
11 27	2 50.67	+17 53.6	1.870	2.820	6.7	19.4
12 7	2 44.25	+17 22.7	1.927	2.816	10.4	19.6
12 17	2 40.01	+17 0.0	2.007	2.813	13.6	19.8

19193 1992 DK_{6} 11 10.7 17°.87 0°.2/10.6 18

10 8	3 28.27	+17 41.4	1.760	2.611	14.0	18.0
10 18	3 23.27	+17 31.6	1.693	2.614	10.4	17.8
10 28	3 16.05	+17 14.5	1.650	2.618	6.2	17.6
11 7	3 7.47	+16 52.0	1.633	2.622	1.7	17.3
11 17	2 58.55	+16 27.4	1.644	2.627	2.9	17.4
11 27	2 50.47	+16 4.9	1.683	2.632	7.3	17.7
12 7	2 44.16	+15 48.9	1.747	2.638	11.3	17.9
12 17	2 40.24	+15 42.1	1.835	2.644	14.6	18.1

353032 2009 CL_{25} 11 10.7 318°.14 2°.2/ 9.5 18

10 8	3 29.08	+13 24.2	1.663	2.521	14.3	21.0
10 18	3 24.01	+12 57.0	1.590	2.516	10.6	20.8
10 28	3 16.58	+12 24.9	1.541	2.510	6.4	20.5
11 7	3 7.64	+11 51.8	1.517	2.505	2.5	20.3
11 17	2 58.26	+11 22.0	1.521	2.500	4.2	20.4
11 27	2 49.69	+11 0.3	1.553	2.495	8.6	20.6
12 7	2 42.95	+10 50.4	1.609	2.490	12.7	20.9
12 17	2 38.73	+10 54.4	1.687	2.485	16.2	21.1

314457 2005 WL 11 10.7 48°.10 0°.5/10.4 18

10 8	3 28.63	+16 55.4	2.016	2.861	12.7	21.0
10 18	3 23.28	+16 42.7	1.946	2.864	9.4	20.8
10 28	3 15.97	+16 23.6	1.900	2.867	5.6	20.5
11 7	3 7.44	+16 0.5	1.881	2.870	1.5	20.3
11 17	2 58.61	+15 36.1	1.891	2.873	2.8	20.4
11 27	2 50.50	+15 14.3	1.930	2.877	6.8	20.6
12 7	2 43.97	+14 58.8	1.996	2.880	10.4	20.9
12 17	2 39.59	+14 52.0	2.085	2.883	13.5	21.1

95062 2002 AW_{59} 11 10.7 120°.62 2°.3/ 9.3 18

10 8	3 31.14	+12 58.1	1.815	2.665	13.7	19.2
10 18	3 25.15	+12 21.8	1.754	2.676	10.0	19.0
10 28	3 17.07	+11 41.4	1.718	2.686	6.0	18.8
11 7	3 7.73	+11 1.0	1.709	2.696	2.5	18.6
11 17	2 58.18	+10 24.9	1.729	2.706	4.2	18.7
11 27	2 49.52	+ 9 57.6	1.778	2.715	8.1	19.0
12 7	2 42.65	+ 9 42.4	1.852	2.724	11.7	19.2
12 17	2 38.13	+ 9 40.8	1.949	2.732	14.8	19.5

517805 2015 PE_{316} 11 10.7 296°.50 1°.8/ 9.6 18

10 8	3 29.08	+14 28.2	1.754	2.609	13.9	22.0
10 18	3 23.89	+13 56.6	1.682	2.605	10.3	21.8
10 28	3 16.45	+13 19.2	1.633	2.602	6.1	21.5
11 7	3 7.60	+12 39.6	1.611	2.598	2.2	21.3
11 17	2 58.37	+12 2.1	1.616	2.595	3.9	21.4
11 27	2 49.93	+11 31.9	1.650	2.592	8.1	21.6
12 7	2 43.25	+11 12.8	1.709	2.589	12.1	21.9
12 17	2 38.98	+11 7.4	1.791	2.586	15.5	22.1

514239 2015 OL_{88} 11 10.7 83°.71 3°.5/13.3 18

10 8	3 30.26	+29 37.8	1.849	2.663	15.0	21.2
10 18	3 24.75	+29 18.0	1.779	2.670	11.7	21.0
10 28	3 16.93	+28 39.8	1.731	2.678	8.0	20.8
11 7	3 7.73	+27 44.0	1.709	2.686	4.5	20.6
11 17	2 58.27	+26 33.9	1.715	2.694	3.8	20.6
11 27	2 49.77	+25 16.2	1.750	2.701	6.9	20.8
12 7	2 43.21	+23 58.7	1.812	2.709	10.6	21.0
12 17	2 39.17	+22 48.3	1.898	2.717	13.8	21.3

71326 2000 AU_{84} 11 10.7 73°.96 2°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.21	+27 57.0	2.215	3.028	12.9	18.7
10 18	3 22.91	+27 44.9	2.143	3.036	10.0	18.5
10 28	3 15.72	+27 18.9	2.095	3.044	6.7	18.3
11 7	3 7.39	+26 39.5	2.074	3.052	3.6	18.2
11 17	2 58.84	+25 49.3	2.082	3.061	3.2	18.1
11 27	2 51.04	+24 53.1	2.119	3.069	6.0	18.3
12 7	2 44.80	+23 56.4	2.184	3.078	9.2	18.6
12 17	2 40.66	+23 4.4	2.274	3.086	12.0	18.8

97750 2000 HX_{83} 11 10.7 207°.12 2°.5/ 9.1 17

10 8	3 30.18	+ 8 10.0	2.694	3.530	10.2	19.1
10 18	3 23.98	+ 8 10.4	2.614	3.527	7.6	19.0
10 28	3 16.25	+ 8 12.1	2.561	3.523	4.7	18.8
11 7	3 7.54	+ 8 16.8	2.537	3.519	2.6	18.6
11 17	2 58.56	+ 8 26.3	2.544	3.515	3.6	18.7
11 27	2 50.07	+ 8 42.1	2.582	3.510	6.4	18.9
12 7	2 42.75	+ 9 5.4	2.649	3.506	9.1	19.1
12 17	2 37.10	+ 9 36.4	2.740	3.501	11.6	19.2

261769 2006 BX_{78} 11 10.7 223°.73 5°.9/ 5.2 18

10 8	3 26.04	− 3 22.9	2.843	3.674	9.8	21.1
10 18	3 20.87	− 4 15.9	2.772	3.665	7.9	21.0
10 28	3 14.36	− 5 2.5	2.726	3.655	6.4	20.9
11 7	3 7.02	− 5 38.4	2.709	3.645	5.9	20.8
11 17	2 59.45	− 6 0.2	2.721	3.635	6.9	20.9
11 27	2 52.33	− 6 5.6	2.760	3.624	8.6	21.0
12 7	2 46.25	− 5 54.3	2.824	3.613	10.6	21.1
12 17	2 41.64	− 5 27.1	2.911	3.601	12.4	21.2

335270 2005 NZ_{16} 11 10.7 148°.86 3°.7/ 8.5 16

10 8	3 32.93	+ 9 17.1	1.856	2.704	13.5	21.9
10 18	3 26.41	+ 8 31.6	1.795	2.714	10.0	21.7
10 28	3 17.81	+ 7 45.0	1.760	2.723	6.3	21.5
11 7	3 7.97	+ 7 2.1	1.751	2.732	3.7	21.3
11 17	2 57.92	+ 6 27.5	1.772	2.740	5.3	21.5
11 27	2 48.76	+ 6 5.5	1.821	2.747	8.8	21.7
12 7	2 41.38	+ 5 58.4	1.897	2.753	12.2	21.9
12 17	2 36.33	+ 6 6.7	1.994	2.759	15.2	22.1

287220 2002 SY_{73} 11 10.7 194°.56 5°.1/ 6.8 18

10 8	3 26.12	+ 1 51.7	2.445	3.290	10.8	20.6
10 18	3 21.08	+ 1 5.7	2.380	3.290	8.3	20.4
10 28	3 14.53	+ 0 24.0	2.340	3.289	6.1	20.3
11 7	3 7.07	− 0 9.1	2.328	3.289	5.1	20.2
11 17	2 59.41	− 0 30.2	2.345	3.288	6.1	20.3
11 27	2 52.30	− 0 36.5	2.390	3.287	8.4	20.5
12 7	2 46.40	− 0 27.3	2.461	3.286	10.8	20.6
12 17	2 42.17	− 0 3.1	2.553	3.285	13.0	20.8

369560 2011 AK_{75} 11 10.7 250°.62 10°.0/20.7 18

10 8	3 37.48	+53 29.1	2.713	3.353	14.6	21.2
10 18	3 30.55	+54 17.7	2.617	3.340	13.3	21.1
10 28	3 20.71	+54 43.8	2.540	3.328	11.9	21.0
11 7	3 8.87	+54 42.4	2.483	3.315	10.8	20.9
11 17	2 56.35	+54 10.8	2.449	3.302	10.1	20.8
11 27	2 44.71	+53 10.5	2.440	3.289	10.2	20.8
12 7	2 35.28	+51 47.2	2.456	3.276	11.1	20.8
12 17	2 28.89	+50 9.1	2.495	3.262	12.4	20.9

228012 2008 CE_{192} 11 10.7 74°.58 16°.1/17.9 17

10 8	3 49.02	+45 11.6	1.119	1.884	25.6	20.1
10 18	3 41.88	+47 43.8	1.070	1.895	22.6	19.9
10 28	3 28.86	+49 41.9	1.036	1.907	19.6	19.8
11 7	3 11.35	+50 50.3	1.020	1.919	17.2	19.7
11 17	2 52.26	+50 59.4	1.025	1.931	16.1	19.7
11 27	2 35.33	+50 13.3	1.049	1.943	16.8	19.7
12 7	2 23.39	+48 48.7	1.093	1.955	18.8	19.9
12 17	2 17.56	+47 5.7	1.155	1.967	21.3	20.1

478972 2012 XB_{99} 11 10.7 332°.83 0°.9/11.1 18

10 8	3 29.23	+18 34.3	1.277	2.143	17.3	20.3
10 18	3 25.09	+18 56.5	1.197	2.125	13.1	20.0
10 28	3 17.76	+19 10.6	1.138	2.107	8.1	19.7
11 7	3 8.12	+19 16.8	1.102	2.091	2.6	19.3
11 17	2 57.58	+19 16.7	1.092	2.076	3.6	19.3
11 27	2 47.88	+19 14.4	1.106	2.062	9.3	19.6
12 7	2 40.53	+19 15.0	1.144	2.049	14.6	19.9
12 17	2 36.54	+19 23.3	1.201	2.038	19.1	20.1

355009 2006 QJ_{45} 11 10.7 47°.38 1°.8/ 9.7 18

10 8	3 29.21	+15 20.0	1.521	2.382	15.3	20.9
10 18	3 23.99	+14 39.4	1.474	2.400	11.2	20.7
10 28	3 16.46	+13 52.3	1.449	2.420	6.6	20.5
11 7	3 7.61	+13 3.1	1.451	2.439	2.2	20.3
11 17	2 58.64	+12 17.5	1.479	2.459	4.0	20.5
11 27	2 50.77	+11 40.9	1.535	2.479	8.4	20.8
12 7	2 44.92	+11 17.5	1.615	2.500	12.4	21.1
12 17	2 41.62	+11 9.0	1.717	2.521	15.7	21.3

43726 1978 UJ_5 11 10.7 0.°18 1.°6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.34	+21 59.4	1.152	2.018	18.8	18.3
10 18	3 25.16	+21 53.9	1.090	2.016	14.2	18.0
10 28	3 17.70	+21 32.4	1.047	2.015	8.9	17.7
11 7	3 8.05	+20 56.4	1.027	2.015	3.2	17.4
11 17	2 57.83	+20 10.5	1.031	2.015	3.7	17.4
11 27	2 48.84	+19 22.6	1.059	2.016	9.4	17.8
12 7	2 42.50	+18 41.2	1.110	2.019	14.6	18.1
12 17	2 39.61	+18 12.6	1.181	2.022	19.1	18.4

431236 2006 SC_{394} 11 10.7 56.°84 1.°6/11.7 18

10 8	3 31.61	+23 36.7	1.401	2.248	17.2	21.5
10 18	3 26.32	+23 12.8	1.335	2.250	13.0	21.3
10 28	3 18.14	+22 32.0	1.290	2.253	8.2	21.0
11 7	3 8.14	+21 36.3	1.269	2.256	3.1	20.7
11 17	2 57.73	+20 30.7	1.275	2.259	3.4	20.7
11 27	2 48.46	+19 23.3	1.308	2.262	8.4	21.0
12 7	2 41.56	+18 22.7	1.366	2.265	13.1	21.3
12 17	2 37.72	+17 35.2	1.445	2.268	17.1	21.6

12165 Ringleb 11 10.7 279.°50 4.°0/ 7.6 18

10 8	3 26.15	+ 7 42.1	2.130	2.985	11.8	17.8
10 18	3 21.33	+ 6 43.1	2.062	2.983	8.8	17.6
10 28	3 14.78	+ 5 43.7	2.019	2.981	5.8	17.5
11 7	3 7.17	+ 4 48.8	2.003	2.979	4.1	17.3
11 17	2 59.31	+ 4 3.2	2.016	2.977	5.5	17.4
11 27	2 52.09	+ 3 31.2	2.057	2.975	8.4	17.6
12 7	2 46.25	+ 3 15.1	2.124	2.973	11.4	17.8
12 17	2 42.30	+ 3 15.4	2.213	2.971	14.1	18.0

57596 2001 TD_{81} 11 10.7 253.°72 0.°9/10.1 18

10 8	3 30.09	+18 37.8	1.741	2.589	14.3	19.6
10 18	3 24.81	+17 43.3	1.656	2.575	10.7	19.3
10 28	3 17.13	+16 36.6	1.593	2.561	6.4	19.0
11 7	3 7.88	+15 21.3	1.558	2.547	1.8	18.7
11 17	2 58.14	+14 3.4	1.551	2.533	3.5	18.8
11 27	2 49.15	+12 50.4	1.573	2.518	8.2	19.1
12 7	2 42.00	+11 49.2	1.621	2.502	12.5	19.3
12 17	2 37.37	+11 4.4	1.691	2.487	16.2	19.5

50261 2000 BM_{27} 11 10.7 265.°77 1.°4/11.5 18

10 8	3 32.14	+22 5.9	1.587	2.429	15.8	19.2
10 18	3 26.67	+21 59.2	1.504	2.417	12.0	18.9
10 28	3 18.42	+21 39.6	1.443	2.406	7.5	18.6
11 7	3 8.27	+21 7.7	1.407	2.394	2.7	18.3
11 17	2 57.49	+20 26.5	1.398	2.382	3.2	18.3
11 27	2 47.54	+19 41.9	1.418	2.370	8.1	18.6
12 7	2 39.67	+19 0.6	1.462	2.357	12.7	18.8
12 17	2 34.71	+18 28.7	1.529	2.345	16.7	19.1

76633 2000 HL_6 11 10.8 270.°93 0.°1/10.8 18

10 8	3 27.18	+18 51.7	2.451	3.286	11.1	20.1
10 18	3 22.09	+18 38.6	2.360	3.273	8.3	19.9
10 28	3 15.28	+18 18.5	2.295	3.259	5.0	19.7
11 7	3 7.35	+17 53.1	2.257	3.246	1.4	19.4
11 17	2 59.06	+17 24.6	2.249	3.232	2.3	19.5
11 27	2 51.26	+16 56.4	2.272	3.219	5.9	19.7
12 7	2 44.71	+16 32.1	2.322	3.205	9.2	19.9
12 17	2 39.98	+16 14.6	2.396	3.191	12.0	20.0

471054 2009 UN_{109} 11 10.8 45.°34 0.°4/10.9 16

10 8	3 32.04	+20 5.0	1.182	2.046	18.6	21.3
10 18	3 26.66	+19 46.3	1.139	2.065	13.8	21.0
10 28	3 18.28	+19 14.4	1.116	2.085	8.2	20.8
11 7	3 8.16	+18 32.6	1.117	2.105	2.4	20.5
11 17	2 57.90	+17 46.5	1.143	2.127	3.6	20.7
11 27	2 49.11	+17 3.6	1.194	2.148	9.0	21.1
12 7	2 42.96	+16 30.6	1.270	2.171	13.8	21.4
12 17	2 40.01	+16 11.6	1.365	2.193	17.7	21.7

101399 1998 UV_{39} 11 10.8 57.°03 2.°3/12.1 18

10 8	3 31.74	+23 34.4	2.050	2.874	13.4	19.2
10 18	3 25.65	+24 1.7	1.985	2.887	10.2	19.0
10 28	3 17.45	+24 19.1	1.944	2.900	6.6	18.9
11 7	3 7.95	+24 26.0	1.930	2.913	3.1	18.7
11 17	2 58.14	+24 23.4	1.945	2.926	3.1	18.7
11 27	2 49.12	+24 14.2	1.989	2.939	6.4	18.9
12 7	2 41.80	+24 2.5	2.061	2.952	9.8	19.2
12 17	2 36.79	+23 52.4	2.157	2.965	12.7	19.4

318465 2005 EK_{33} 11 10.8 141.°04 1.°9/11.8 16

10 8	3 36.69	+23 21.1	1.851	2.673	14.7	21.3
10 18	3 29.41	+23 23.3	1.785	2.687	11.1	21.1
10 28	3 19.73	+23 13.3	1.742	2.700	7.0	20.9
11 7	3 8.57	+22 51.5	1.727	2.712	2.9	20.7
11 17	2 57.14	+22 20.2	1.741	2.723	3.0	20.7
11 27	2 46.71	+21 44.1	1.785	2.733	7.0	21.0
12 7	2 38.30	+21 9.1	1.855	2.743	10.9	21.2
12 17	2 32.54	+20 40.2	1.950	2.752	14.2	21.5

171088 2005 EE_{205} 11 10.8 268.°90 2.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.72	+13 27.4	1.878	2.731	13.2	21.1
10 18	3 23.61	+12 44.7	1.795	2.718	9.8	20.9
10 28	3 16.35	+11 56.3	1.736	2.704	5.9	20.6
11 7	3 7.68	+11 6.2	1.704	2.691	2.5	20.4
11 17	2 58.56	+10 19.2	1.701	2.677	4.2	20.5
11 27	2 50.09	+ 9 40.6	1.725	2.663	8.2	20.7
12 7	2 43.25	+ 9 14.6	1.776	2.649	12.1	20.9
12 17	2 38.68	+ 9 3.6	1.849	2.635	15.4	21.1

172889 2005 EG_{291} 11 10.8 118.°53 2.°7/ 9.0 18

10 8	3 30.49	+10 39.9	2.035	2.882	12.5	20.4
10 18	3 24.50	+10 9.5	1.975	2.894	9.2	20.2
10 28	3 16.66	+ 9 37.7	1.940	2.906	5.6	20.0
11 7	3 7.71	+ 9 7.8	1.933	2.917	2.9	19.9
11 17	2 58.58	+ 8 43.7	1.956	2.928	4.3	20.0
11 27	2 50.24	+ 8 28.6	2.007	2.939	7.7	20.2
12 7	2 43.48	+ 8 24.9	2.085	2.949	10.9	20.4
12 17	2 38.82	+ 8 33.4	2.186	2.959	13.7	20.6

163289 2002 GE_{140} 11 10.8 65.°66 1.°1/11.4 18

10 8	3 34.39	+20 46.1	1.563	2.405	16.0	20.3
10 18	3 27.82	+20 49.6	1.516	2.430	11.9	20.2
10 28	3 18.76	+20 42.2	1.492	2.456	7.2	19.9
11 7	3 8.29	+20 25.2	1.494	2.482	2.5	19.7
11 17	2 57.70	+20 1.7	1.524	2.507	3.0	19.8
11 27	2 48.34	+19 36.4	1.582	2.533	7.5	20.2
12 7	2 41.20	+19 14.8	1.665	2.558	11.6	20.5
12 17	2 36.83	+19 0.8	1.771	2.583	14.9	20.7

11690 Carodulaney 11 10.8 161.°65 2.°7/12.1 18

10 8	3 35.56	+24 22.8	1.611	2.441	16.1	18.2
10 18	3 29.07	+24 37.0	1.540	2.445	12.4	18.0
10 28	3 19.77	+24 37.4	1.491	2.448	8.0	17.8
11 7	3 8.64	+24 23.5	1.467	2.450	3.8	17.5
11 17	2 57.02	+23 56.9	1.472	2.453	3.7	17.5
11 27	2 46.41	+23 22.6	1.504	2.455	7.9	17.8
12 7	2 38.04	+22 47.5	1.562	2.456	12.1	18.0
12 17	2 32.65	+22 17.6	1.643	2.457	15.8	18.3

489054 2005 YA_{96} 11 10.8 316.°00 4.°6/13.9 17

10 8	3 29.14	+31 17.2	2.021	2.825	14.3	21.4
10 18	3 24.07	+31 30.5	1.935	2.817	11.4	21.2
10 28	3 16.70	+31 27.3	1.871	2.808	8.2	21.0
11 7	3 7.79	+31 6.3	1.833	2.800	5.4	20.8
11 17	2 58.39	+30 28.4	1.822	2.792	4.8	20.7
11 27	2 49.70	+29 37.8	1.839	2.785	7.1	20.9
12 7	2 42.76	+28 40.8	1.882	2.777	10.3	21.1
12 17	2 38.27	+27 44.4	1.950	2.770	13.4	21.2

461307 2015 XJ_{167} 11 10.8 321.°22 1.°8/12.3 16

10 8	3 25.89	+26 25.3	2.117	2.941	13.0	20.7
10 18	3 21.38	+25 41.1	2.029	2.931	9.9	20.5
10 28	3 14.93	+24 41.2	1.966	2.922	6.4	20.3
11 7	3 7.27	+23 27.5	1.929	2.913	2.8	20.0
11 17	2 59.28	+22 4.2	1.922	2.904	2.6	20.0
11 27	2 51.98	+20 37.6	1.944	2.896	6.3	20.2
12 7	2 46.21	+19 14.7	1.993	2.888	9.9	20.4
12 17	2 42.54	+18 1.4	2.068	2.880	13.1	20.6

154820 2004 QU_{10} 11 10.8 5.°10 1.°9/ 9.7 18

10 8	3 29.79	+12 1.1	2.035	2.883	12.5	19.6
10 18	3 24.16	+11 55.6	1.964	2.883	9.2	19.4
10 28	3 16.56	+11 48.3	1.917	2.884	5.6	19.2
11 7	3 7.72	+11 41.6	1.897	2.884	2.2	18.9
11 17	2 58.56	+11 37.8	1.906	2.884	3.6	19.0
11 27	2 50.07	+11 39.8	1.945	2.884	7.3	19.3
12 7	2 43.13	+11 49.7	2.010	2.885	10.8	19.5
12 17	2 38.31	+12 8.8	2.098	2.886	13.8	19.7

397491 2007 RS_{131} 11 10.8 31.°67 1.°4/ 9.9 18

10 8	3 29.56	+15 30.5	1.640	2.496	14.6	21.5
10 18	3 24.35	+15 3.2	1.575	2.499	10.8	21.3
10 28	3 16.81	+14 29.2	1.533	2.502	6.4	21.0
11 7	3 7.80	+13 52.0	1.516	2.505	2.0	20.7
11 17	2 58.46	+13 16.0	1.528	2.508	3.7	20.9
11 27	2 50.02	+12 46.4	1.566	2.512	8.2	21.1
12 7	2 43.47	+12 27.4	1.631	2.515	12.3	21.4
12 17	2 39.46	+12 21.5	1.717	2.519	15.7	21.6

89109 2001 TM_{210} 11 10.8 219.°47 4.°2/13.6 18

10 8	3 33.39	+30 38.9	1.914	2.717	15.0	19.8
10 18	3 27.29	+30 36.7	1.826	2.710	11.9	19.6
10 28	3 18.65	+30 16.1	1.761	2.702	8.4	19.4
11 7	3 8.34	+29 36.3	1.722	2.694	5.1	19.2
11 17	2 57.53	+28 38.9	1.711	2.685	4.5	19.1
11 27	2 47.55	+27 29.4	1.728	2.676	7.3	19.3
12 7	2 39.53	+26 15.7	1.773	2.667	11.0	19.5
12 17	2 34.19	+25 5.7	1.842	2.656	14.4	19.7

340189 2005 YP_{230} 11 10.8 68°.82 4°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.78	+ 8 13.0	1.489	2.350	15.6	20.6
10 18	3 26.65	+ 7 43.8	1.442	2.366	11.6	20.4
10 28	3 18.09	+ 7 15.9	1.418	2.383	7.3	20.2
11 7	3 8.12	+ 6 54.1	1.419	2.400	4.3	20.0
11 17	2 58.01	+ 6 42.7	1.447	2.417	5.9	20.2
11 27	2 49.03	+ 6 45.0	1.502	2.434	9.7	20.5
12 7	2 42.18	+ 7 2.4	1.581	2.450	13.5	20.7
12 17	2 38.01	+ 7 34.3	1.681	2.467	16.7	21.0

323587 2004 TM_{228} 11 10.8 329°.24 1°.8/ 9.3 18

10 8	3 26.00	+15 21.1	2.109	2.959	12.1	21.2
10 18	3 21.29	+14 21.0	2.036	2.957	8.8	21.0
10 28	3 14.80	+13 14.0	1.988	2.956	5.3	20.8
11 7	3 7.23	+12 4.3	1.967	2.955	2.0	20.6
11 17	2 59.41	+10 57.1	1.977	2.953	3.6	20.7
11 27	2 52.25	+ 9 57.8	2.015	2.952	7.2	20.9
12 7	2 46.53	+ 9 10.7	2.080	2.951	10.6	21.1
12 17	2 42.75	+ 8 38.6	2.168	2.950	13.6	21.3

443107 2013 YQ_{44} 11 10.8 304°.01 2°.8/12.4 18

10 8	3 30.67	+26 14.3	1.495	2.333	16.8	20.6
10 18	3 25.70	+26 1.5	1.418	2.327	13.0	20.4
10 28	3 17.87	+25 30.4	1.362	2.320	8.5	20.1
11 7	3 8.15	+24 41.3	1.331	2.314	4.1	19.8
11 17	2 57.87	+23 37.8	1.326	2.308	3.7	19.8
11 27	2 48.58	+22 27.3	1.347	2.302	8.2	20.0
12 7	2 41.53	+21 18.8	1.394	2.296	12.7	20.3
12 17	2 37.49	+20 20.1	1.463	2.290	16.7	20.5

278051 2006 WR_{188} 11 10.8 331°.59 0°.9/11.3 18

10 8	3 30.82	+21 37.4	1.398	2.251	16.9	21.1
10 18	3 25.81	+21 15.3	1.328	2.248	12.7	20.8
10 28	3 17.92	+20 38.5	1.279	2.245	7.8	20.5
11 7	3 8.16	+19 49.2	1.254	2.243	2.5	20.2
11 17	2 57.89	+18 52.3	1.256	2.240	3.3	20.3
11 27	2 48.67	+17 55.2	1.285	2.238	8.6	20.6
12 7	2 41.75	+17 5.7	1.338	2.236	13.4	20.9
12 17	2 37.88	+16 29.6	1.412	2.235	17.5	21.1

446030 2013 CR_{78} 11 10.8 301°.76 2°.8/ 8.9 18

10 8	3 27.53	+13 9.1	1.690	2.551	14.1	21.0
10 18	3 22.94	+12 17.9	1.610	2.536	10.4	20.7
10 28	3 16.05	+11 20.3	1.553	2.522	6.3	20.5
11 7	3 7.63	+10 21.2	1.522	2.508	2.9	20.2
11 17	2 58.72	+ 9 26.3	1.518	2.494	4.8	20.3
11 27	2 50.53	+ 8 42.0	1.542	2.480	9.0	20.5
12 7	2 44.08	+ 8 13.0	1.591	2.466	13.1	20.7
12 17	2 40.08	+ 8 1.5	1.661	2.453	16.6	20.9

318235 2004 RP_{237} 11 10.8 299°.39 5°.1/14.1 17

10 8	3 31.20	+32 20.0	2.109	2.903	14.1	20.6
10 18	3 25.58	+32 51.1	2.024	2.897	11.4	20.4
10 28	3 17.62	+33 6.5	1.961	2.891	8.4	20.2
11 7	3 8.08	+33 4.1	1.924	2.885	5.9	20.1
11 17	2 58.01	+32 43.7	1.915	2.879	5.3	20.0
11 27	2 48.63	+32 8.7	1.933	2.874	7.2	20.2
12 7	2 40.99	+31 24.7	1.979	2.868	10.2	20.3
12 17	2 35.83	+30 38.3	2.048	2.863	13.1	20.5

415591 2014 QQ_{310} 11 10.8 83°.83 4°.2/14.4 18

10 8	3 29.30	+32 41.6	2.232	3.024	13.5	20.4
10 18	3 23.82	+32 33.2	2.159	3.032	10.7	20.3
10 28	3 16.34	+32 7.6	2.108	3.041	7.7	20.1
11 7	3 7.67	+31 24.6	2.084	3.049	5.1	19.9
11 17	2 58.77	+30 26.6	2.088	3.058	4.3	19.9
11 27	2 50.68	+29 18.3	2.121	3.066	6.3	20.1
12 7	2 44.25	+28 6.3	2.182	3.075	9.2	20.2
12 17	2 40.02	+26 56.9	2.268	3.083	12.0	20.4

165140 2000 OJ_{1} 11 10.8 46°.18 0°.9/10.3 17

10 8	3 31.15	+19 4.0	1.062	1.935	19.5	19.1
10 18	3 26.24	+18 11.5	1.019	1.951	14.3	18.9
10 28	3 18.14	+17 4.7	0.996	1.968	8.5	18.6
11 7	3 8.18	+15 49.8	0.996	1.985	2.3	18.3
11 17	2 58.07	+14 35.6	1.020	2.003	4.3	18.5
11 27	2 49.54	+13 31.9	1.069	2.021	10.1	18.9
12 7	2 43.78	+12 46.0	1.140	2.040	15.1	19.3
12 17	2 41.36	+12 21.1	1.231	2.059	19.2	19.6

510172 2011 AY_{50} 11 10.8 296°.50 2°.3/12.0 18

10 8	3 30.49	+24 45.0	1.382	2.229	17.4	21.6
10 18	3 26.03	+24 28.8	1.289	2.204	13.5	21.2
10 28	3 18.38	+23 53.5	1.217	2.179	8.7	20.9
11 7	3 8.39	+22 59.1	1.169	2.154	3.7	20.6
11 17	2 57.46	+21 49.2	1.146	2.129	3.8	20.5
11 27	2 47.31	+20 31.9	1.150	2.105	9.1	20.7
12 7	2 39.49	+19 17.6	1.177	2.080	14.4	21.0
12 17	2 34.99	+18 15.2	1.225	2.056	19.1	21.2

284957 2010 EJ_{133} 11 10.8 14°.12 3°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.10	+ 9 51.9	1.545	2.409	14.9	20.4
10 18	3 24.09	+ 9 6.7	1.483	2.410	11.1	20.2
10 28	3 16.69	+ 8 19.6	1.444	2.412	7.0	19.9
11 7	3 7.81	+ 7 36.2	1.431	2.413	4.0	19.8
11 17	2 58.59	+ 7 2.1	1.444	2.415	5.7	19.9
11 27	2 50.29	+ 6 42.3	1.485	2.418	9.7	20.1
12 7	2 43.94	+ 6 39.4	1.549	2.420	13.6	20.4
12 17	2 40.15	+ 6 53.9	1.633	2.423	17.0	20.6

254393 2004 TA_{223} 11 10.8 28°.66 7°.9/ 7.2 18

10 8	3 30.06	− 3 43.7	1.727	2.575	14.4	19.2
10 18	3 24.40	− 4 12.1	1.681	2.585	11.5	19.0
10 28	3 16.68	− 4 28.1	1.657	2.596	9.0	18.9
11 7	3 7.77	− 4 26.5	1.658	2.607	7.9	18.8
11 17	2 58.70	− 4 4.1	1.686	2.619	8.9	18.9
11 27	2 50.56	− 3 20.3	1.739	2.632	11.3	19.1
12 7	2 44.20	− 2 17.2	1.817	2.645	14.0	19.3
12 17	2 40.14	− 0 58.3	1.915	2.658	16.4	19.5

290512 2005 UV_{33} 11 10.8 276°.33 0°.2/10.7 17

10 8	3 28.66	+18 3.1	2.090	2.932	12.5	21.8
10 18	3 23.39	+17 50.7	2.011	2.927	9.3	21.6
10 28	3 16.16	+17 31.2	1.956	2.922	5.6	21.3
11 7	3 7.66	+17 6.4	1.928	2.917	1.5	21.1
11 17	2 58.80	+16 39.1	1.929	2.912	2.6	21.1
11 27	2 50.58	+16 13.2	1.960	2.907	6.6	21.4
12 7	2 43.87	+15 52.5	2.017	2.902	10.3	21.6
12 17	2 39.26	+15 40.1	2.098	2.898	13.4	21.8

467850 2010 VL_{106} 11 10.8 60°.35 3°.3/ 9.5 16

10 8	3 35.87	+11 8.5	1.160	2.029	18.5	20.6
10 18	3 29.38	+10 51.4	1.121	2.051	13.6	20.4
10 28	3 19.87	+10 32.8	1.103	2.073	8.2	20.2
11 7	3 8.66	+10 17.1	1.109	2.095	3.6	20.0
11 17	2 57.36	+10 8.9	1.140	2.118	5.5	20.2
11 27	2 47.61	+10 12.2	1.197	2.141	10.4	20.5
12 7	2 40.58	+10 29.2	1.277	2.163	14.9	20.8
12 17	2 36.82	+10 59.9	1.377	2.186	18.6	21.1

10952 Vogelsberg 11 10.8 91°.12 3°.6/ 7.8 18

10 8	3 28.21	+ 9 14.2	2.152	3.002	11.9	18.2
10 18	3 22.65	+ 8 4.7	2.104	3.024	8.7	18.0
10 28	3 15.47	+ 6 54.6	2.083	3.046	5.6	17.9
11 7	3 7.42	+ 5 48.9	2.089	3.067	3.7	17.8
11 17	2 59.30	+ 4 52.6	2.125	3.088	5.0	17.9
11 27	2 51.97	+ 4 9.8	2.191	3.109	7.9	18.1
12 7	2 46.10	+ 3 42.8	2.282	3.129	10.8	18.3
12 17	2 42.12	+ 3 32.1	2.396	3.150	13.2	18.6

460091 2014 OA_{381} 11 10.8 42°.04 0°.1/10.8 16

10 8	3 27.93	+19 32.0	1.743	2.593	14.2	21.6
10 18	3 22.94	+19 2.0	1.690	2.609	10.5	21.4
10 28	3 15.85	+18 22.4	1.659	2.626	6.2	21.2
11 7	3 7.55	+17 36.2	1.654	2.643	1.7	20.9
11 17	2 59.09	+16 47.8	1.678	2.661	2.8	21.0
11 27	2 51.56	+16 2.7	1.730	2.679	7.1	21.4
12 7	2 45.85	+15 25.8	1.807	2.698	10.9	21.6
12 17	2 42.46	+15 0.4	1.908	2.717	14.1	21.9

291865 2006 PX_{4} 11 10.8 101°.27 6°.1/15.6 18

10 8	3 36.24	+37 0.6	2.141	2.904	14.9	21.3
10 18	3 29.03	+37 21.9	2.081	2.928	12.2	21.2
10 28	3 19.48	+37 23.1	2.042	2.952	9.3	21.0
11 7	3 8.56	+37 2.3	2.029	2.974	6.9	20.9
11 17	2 57.45	+36 20.5	2.044	2.997	6.1	20.9
11 27	2 47.41	+35 22.4	2.087	3.018	7.4	21.0
12 7	2 39.41	+34 15.1	2.158	3.040	9.8	21.2
12 17	2 34.03	+33 6.4	2.254	3.060	12.3	21.4

377485 2005 ED_{27} 11 10.8 262°.78 4°.3/12.7 18

10 8	3 35.30	+26 57.4	1.485	2.314	17.3	21.3
10 18	3 29.44	+27 27.3	1.402	2.303	13.6	21.0
10 28	3 20.34	+27 41.4	1.340	2.292	9.3	20.8
11 7	3 8.94	+27 37.0	1.303	2.281	5.3	20.5
11 17	2 56.68	+27 14.2	1.292	2.270	4.9	20.4
11 27	2 45.32	+26 37.6	1.307	2.258	8.8	20.6
12 7	2 36.38	+25 55.3	1.348	2.247	13.3	20.9
12 17	2 30.80	+25 15.5	1.410	2.235	17.4	21.1

276810 2004 PL_{29} 11 10.8 103°.65 0°.3/10.6 18

10 8	3 32.36	+18 24.8	1.676	2.521	14.9	21.0
10 18	3 26.32	+18 0.9	1.616	2.534	11.0	20.7
10 28	3 17.94	+17 27.7	1.579	2.546	6.5	20.5
11 7	3 8.15	+16 48.2	1.569	2.558	1.8	20.2
11 17	2 58.13	+16 6.5	1.587	2.569	3.1	20.4
11 27	2 49.11	+15 28.1	1.633	2.581	7.7	20.7
12 7	2 42.09	+14 57.9	1.705	2.592	11.7	20.9
12 17	2 37.65	+14 39.4	1.800	2.603	15.1	21.2

227855 2007 DK_{53} 11 10.8 322°.20 4°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.23	+27 33.3	1.279	2.124	18.6	20.5
10 18	3 26.11	+28 3.0	1.197	2.106	14.8	20.2
10 28	3 18.55	+28 14.4	1.135	2.089	10.3	19.9
11 7	3 8.49	+28 4.6	1.095	2.073	6.0	19.7
11 17	2 57.42	+27 33.8	1.079	2.057	5.4	19.6
11 27	2 47.27	+26 47.4	1.088	2.043	9.6	19.8
12 7	2 39.70	+25 54.9	1.120	2.029	14.5	20.0
12 17	2 35.75	+25 6.0	1.171	2.016	18.9	20.2

189789 2002 EV_{46} 11 10.8 136°.95 3°.5/ 7.6 18

10 8	3 27.02	+ 5 24.8	2.955	3.793	9.3	21.3
10 18	3 21.47	+ 4 42.0	2.897	3.808	7.0	21.1
10 28	3 14.69	+ 4 1.1	2.866	3.822	4.7	21.0
11 7	3 7.22	+ 3 25.1	2.865	3.835	3.5	20.9
11 17	2 59.65	+ 2 57.0	2.894	3.848	4.5	21.0
11 27	2 52.60	+ 2 39.1	2.954	3.861	6.6	21.2
12 7	2 46.60	+ 2 32.8	3.040	3.873	8.8	21.4
12 17	2 42.04	+ 2 38.1	3.151	3.884	10.8	21.5

27260 1999 XF_{164} 11 10.8 93°.43 14°.1/ 3.5 18

10 8	3 34.39	−19 0.4	1.658	2.455	17.2	17.7
10 18	3 27.50	−20 29.8	1.640	2.476	15.4	17.6
10 28	3 18.43	−21 31.8	1.642	2.497	14.3	17.6
11 7	3 8.24	−21 58.8	1.666	2.518	14.2	17.6
11 17	2 58.11	−21 47.5	1.712	2.538	15.0	17.7
11 27	2 49.20	−20 59.2	1.779	2.558	16.3	17.9
12 7	2 42.36	−19 39.4	1.864	2.578	17.8	18.0
12 17	2 38.07	−17 55.4	1.966	2.597	19.3	18.2

29024 6685 P–L 11 10.8 83°.07 1°.2/ 9.9 18

10 8	3 28.14	+15 44.2	2.038	2.885	12.5	19.4
10 18	3 22.93	+15 14.3	1.969	2.889	9.2	19.2
10 28	3 15.83	+14 38.6	1.925	2.893	5.5	19.0
11 7	3 7.58	+13 59.9	1.908	2.897	1.7	18.7
11 17	2 59.07	+13 22.0	1.920	2.901	3.1	18.8
11 27	2 51.27	+12 49.4	1.962	2.905	7.0	19.1
12 7	2 45.01	+12 25.5	2.030	2.909	10.5	19.3
12 17	2 40.83	+12 12.9	2.121	2.913	13.5	19.5

457837 2009 SS_{92} 11 10.8 340°.32 2°.0/11.5 17

10 8	3 31.10	+19 47.5	1.621	2.468	15.2	20.4
10 18	3 26.01	+20 39.2	1.536	2.452	11.6	20.1
10 28	3 18.16	+21 25.3	1.474	2.437	7.3	19.8
11 7	3 8.33	+22 4.3	1.437	2.423	3.0	19.5
11 17	2 57.70	+22 35.4	1.428	2.410	3.4	19.5
11 27	2 47.71	+22 59.8	1.446	2.398	7.9	19.8
12 7	2 39.66	+23 20.8	1.489	2.388	12.3	20.0
12 17	2 34.47	+23 42.3	1.555	2.378	16.1	20.2

334322 2001 WN_{95} 11 10.8 12°.00 0°.5/10.9 18

10 8	3 27.85	+19 40.8	1.105	1.980	18.8	20.6
10 18	3 24.03	+19 31.3	1.051	1.983	14.0	20.3
10 28	3 17.02	+19 8.4	1.017	1.988	8.5	20.0
11 7	3 7.97	+18 35.1	1.004	1.993	2.5	19.7
11 17	2 58.47	+17 56.5	1.016	2.001	3.7	19.8
11 27	2 50.25	+17 19.9	1.052	2.009	9.5	20.2
12 7	2 44.66	+16 52.5	1.110	2.019	14.6	20.5
12 17	2 42.40	+16 38.9	1.188	2.029	18.9	20.8

48420 1988 RN_{5} 11 10.8 37°.70 0°.5/11.1 18

10 8	3 29.05	+20 39.2	1.529	2.381	15.7	18.3
10 18	3 24.10	+20 15.7	1.473	2.393	11.7	18.0
10 28	3 16.70	+19 40.2	1.438	2.405	7.1	17.8
11 7	3 7.83	+18 55.6	1.429	2.418	2.1	17.5
11 17	2 58.72	+18 6.6	1.447	2.431	3.0	17.6
11 27	2 50.66	+17 19.4	1.492	2.445	7.8	18.0
12 7	2 44.67	+16 40.1	1.563	2.459	12.0	18.2
12 17	2 41.33	+16 12.7	1.655	2.473	15.5	18.5

115432 2003 TQ_{2} 11 10.8 63°.81 1°.7/ 9.7 18

10 8	3 28.83	+12 17.9	2.211	3.056	11.7	18.8
10 18	3 23.30	+12 9.2	2.143	3.062	8.6	18.6
10 28	3 16.00	+11 58.5	2.100	3.067	5.2	18.4
11 7	3 7.63	+11 48.1	2.086	3.072	2.0	18.2
11 17	2 59.00	+11 40.4	2.100	3.078	3.3	18.3
11 27	2 51.03	+11 38.0	2.144	3.084	6.7	18.5
12 7	2 44.47	+11 43.2	2.216	3.089	10.0	18.7
12 17	2 39.86	+11 57.1	2.311	3.095	12.8	18.9

433345 2013 RW_{62} 11 10.8 24°.60 4°.0/12.5 18

10 8	3 32.60	+25 6.0	1.087	1.945	20.2	20.7
10 18	3 27.80	+25 36.7	1.033	1.952	15.6	20.5
10 28	3 19.40	+25 49.1	0.998	1.959	10.3	20.2
11 7	3 8.66	+25 41.6	0.985	1.968	5.3	20.0
11 17	2 57.37	+25 16.2	0.996	1.977	4.9	20.0
11 27	2 47.55	+24 39.9	1.031	1.987	9.6	20.3
12 7	2 40.71	+24 2.0	1.088	1.999	14.6	20.6
12 17	2 37.63	+23 30.8	1.164	2.010	18.9	20.9

10198 Pinelli 11 10.8 110°.47 0°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.38	+17 17.0	2.066	2.908	12.6	18.0
10 18	3 23.86	+17 1.7	1.996	2.913	9.3	17.8
10 28	3 16.40	+16 39.8	1.951	2.917	5.5	17.6
11 7	3 7.75	+16 13.5	1.933	2.922	1.5	17.4
11 17	2 58.83	+15 45.8	1.944	2.927	2.7	17.5
11 27	2 50.62	+15 20.5	1.985	2.931	6.6	17.7
12 7	2 43.98	+15 1.3	2.052	2.935	10.2	18.0
12 17	2 39.44	+14 51.0	2.143	2.940	13.2	18.2

339302 2004 XE_{74} 11 10.8 356°.84 4°.3/ 9.5 18

10 8	3 26.67	+ 8 10.1	0.984	1.877	19.0	19.3
10 18	3 23.47	+ 8 19.1	0.927	1.868	14.3	19.0
10 28	3 16.88	+ 8 32.6	0.889	1.862	9.0	18.7
11 7	3 8.00	+ 8 55.0	0.872	1.858	4.6	18.4
11 17	2 58.42	+ 9 29.4	0.877	1.856	6.4	18.6
11 27	2 50.02	+10 18.1	0.906	1.856	11.7	18.8
12 7	2 44.32	+11 20.6	0.954	1.859	16.8	19.1
12 17	2 42.17	+12 35.3	1.021	1.864	21.2	19.4

79340 1996 TO_{41} 11 10.8 68°.62 4°.9/ 7.5 18

10 8	3 28.09	+ 6 38.3	1.823	2.681	13.3	19.3
10 18	3 22.88	+ 5 33.6	1.773	2.695	9.9	19.1
10 28	3 15.77	+ 4 30.4	1.748	2.709	6.6	19.0
11 7	3 7.56	+ 3 34.6	1.750	2.723	4.9	18.9
11 17	2 59.21	+ 2 51.5	1.779	2.737	6.3	19.0
11 27	2 51.73	+ 2 25.3	1.836	2.751	9.4	19.2
12 7	2 45.89	+ 2 17.7	1.917	2.766	12.5	19.5
12 17	2 42.20	+ 2 28.0	2.020	2.780	15.2	19.7

223119 2002 VN_{32} 11 10.8 3°.10 3°.5/10.1 18

10 8	3 34.66	+ 7 37.3	1.043	1.921	19.4	18.9
10 18	3 29.30	+ 8 20.0	0.985	1.919	14.6	18.6
10 28	3 20.35	+ 9 10.3	0.948	1.918	9.1	18.3
11 7	3 8.96	+10 9.7	0.932	1.919	4.0	18.0
11 17	2 56.87	+11 17.8	0.942	1.921	5.7	18.1
11 27	2 46.07	+12 33.8	0.975	1.925	11.2	18.5
12 7	2 38.18	+13 56.3	1.031	1.931	16.4	18.8
12 17	2 34.05	+15 23.9	1.106	1.937	20.7	19.1

165444 2000 YK_{104} 11 10.8 296°.20 1°.4/10.1 18

10 8	3 30.39	+14 58.3	1.651	2.506	14.6	19.2
10 18	3 25.34	+14 43.2	1.560	2.483	10.9	18.9
10 28	3 17.70	+14 21.9	1.491	2.460	6.6	18.6
11 7	3 8.21	+13 57.2	1.448	2.437	2.1	18.3
11 17	2 58.00	+13 32.6	1.433	2.414	3.8	18.4
11 27	2 48.40	+13 13.0	1.445	2.391	8.7	18.6
12 7	2 40.64	+13 2.9	1.483	2.369	13.2	18.8
12 17	2 35.55	+13 5.3	1.541	2.346	17.1	19.0

180063 2003 BC_{76} 11 10.8 244°.23 0°.1/10.8 18

10 8	3 30.77	+17 59.6	2.245	3.079	12.0	20.7
10 18	3 24.93	+17 59.4	2.156	3.067	9.0	20.5
10 28	3 17.11	+17 53.1	2.091	3.056	5.4	20.3
11 7	3 7.99	+17 41.8	2.055	3.044	1.5	20.0
11 17	2 58.42	+17 27.3	2.049	3.032	2.5	20.0
11 27	2 49.40	+17 12.7	2.072	3.019	6.4	20.3
12 7	2 41.80	+17 1.5	2.124	3.006	9.9	20.5
12 17	2 36.26	+16 56.6	2.199	2.993	13.0	20.7

226118 2002 PB_{182} 11 10.8 154°.23 0°.4/10.5 18

10 8	3 27.55	+17 11.2	2.408	3.246	11.2	21.1
10 18	3 22.30	+16 55.1	2.333	3.247	8.2	20.9
10 28	3 15.40	+16 33.2	2.283	3.249	4.9	20.7
11 7	3 7.48	+16 7.5	2.261	3.250	1.3	20.4
11 17	2 59.30	+15 40.6	2.269	3.252	2.4	20.5
11 27	2 51.71	+15 15.8	2.308	3.253	5.9	20.7
12 7	2 45.41	+14 56.3	2.373	3.254	9.1	20.9
12 17	2 40.94	+14 44.6	2.464	3.255	11.9	21.1

480137 2015 FW_{156} 11 10.8 123°.68 1°.2/10.1 18

10 8	3 33.76	+15 23.8	1.836	2.678	13.9	21.8
10 18	3 27.14	+15 1.8	1.777	2.694	10.2	21.6
10 28	3 18.35	+14 34.2	1.741	2.708	6.0	21.3
11 7	3 8.29	+14 3.6	1.734	2.722	1.9	21.1
11 17	2 58.04	+13 33.8	1.755	2.736	3.4	21.2
11 27	2 48.73	+13 9.2	1.806	2.749	7.5	21.5
12 7	2 41.28	+12 53.2	1.884	2.761	11.3	21.8
12 17	2 36.25	+12 48.4	1.984	2.773	14.4	22.0

281551 2008 UQ_{48} 11 10.8 43°.26 1°.4/11.5 18

10 8	3 31.35	+22 4.3	1.350	2.203	17.4	19.5
10 18	3 26.06	+21 56.3	1.299	2.218	13.0	19.3
10 28	3 17.97	+21 34.3	1.269	2.234	8.0	19.0
11 7	3 8.21	+21 0.1	1.263	2.250	2.9	18.8
11 17	2 58.21	+20 18.2	1.283	2.267	3.3	18.8
11 27	2 49.47	+19 35.1	1.330	2.284	8.2	19.2
12 7	2 43.12	+18 57.7	1.401	2.302	12.7	19.5
12 17	2 39.76	+18 31.1	1.494	2.320	16.5	19.8

490959 2011 DO_{27} 11 10.8 298°.81 1°.0/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.92	+16 7.0	2.131	2.978	12.1	22.1
10 18	3 22.14	+15 42.3	2.044	2.964	8.9	21.9
10 28	3 15.46	+15 11.5	1.982	2.950	5.3	21.7
11 7	3 7.53	+14 36.9	1.947	2.936	1.6	21.4
11 17	2 59.20	+14 1.9	1.941	2.922	3.0	21.5
11 27	2 51.42	+13 30.8	1.965	2.909	6.9	21.7
12 7	2 45.05	+13 7.4	2.014	2.895	10.5	21.9
12 17	2 40.70	+12 54.3	2.088	2.882	13.6	22.1

298000 2002 NJ_{74} 11 10.8 127°.59 2°.2/ 9.3 18

10 8	3 30.53	+12 46.3	2.089	2.934	12.4	21.9
10 18	3 24.53	+12 7.2	2.029	2.947	9.1	21.7
10 28	3 16.71	+11 24.7	1.993	2.960	5.4	21.5
11 7	3 7.83	+10 42.2	1.986	2.972	2.4	21.3
11 17	2 58.79	+10 3.9	2.009	2.984	3.8	21.4
11 27	2 50.53	+ 9 33.8	2.061	2.995	7.3	21.7
12 7	2 43.82	+ 9 14.8	2.139	3.006	10.6	21.9
12 17	2 39.17	+ 9 8.4	2.241	3.016	13.4	22.1

26344 1998 XS_{76} 11 10.8 197°.78 0°.5/11.1 18

10 8	3 29.38	+20 45.8	1.985	2.822	13.2	18.0
10 18	3 24.01	+20 21.0	1.908	2.821	9.9	17.8
10 28	3 16.57	+19 45.8	1.856	2.820	6.0	17.6
11 7	3 7.83	+19 2.4	1.831	2.819	1.8	17.3
11 17	2 58.77	+18 14.2	1.834	2.818	2.6	17.3
11 27	2 50.44	+17 26.3	1.867	2.817	6.7	17.6
12 7	2 43.75	+16 43.9	1.927	2.815	10.5	17.8
12 17	2 39.30	+16 11.2	2.010	2.813	13.7	18.1

305275 2007 YD_{56} 11 10.8 263°.49 4°.3/ 8.2 18

10 8	3 29.73	+ 6 16.1	1.978	2.829	12.7	20.8
10 18	3 24.23	+ 5 43.7	1.901	2.819	9.6	20.6
10 28	3 16.72	+ 5 12.9	1.848	2.809	6.4	20.4
11 7	3 7.89	+ 4 48.1	1.822	2.798	4.3	20.2
11 17	2 58.67	+ 4 33.1	1.824	2.787	5.7	20.3
11 27	2 50.07	+ 4 31.5	1.855	2.776	8.9	20.5
12 7	2 43.01	+ 4 44.7	1.911	2.765	12.3	20.6
12 17	2 38.09	+ 5 12.7	1.989	2.754	15.2	20.8

198638 2005 AL_{60} 11 10.8 135°.85 0°.3/11.0 17

10 8	3 27.82	+19 23.9	2.450	3.283	11.2	21.0
10 18	3 22.51	+19 14.7	2.375	3.286	8.3	20.8
10 28	3 15.54	+18 58.7	2.324	3.288	5.0	20.6
11 7	3 7.55	+18 37.2	2.302	3.291	1.5	20.4
11 17	2 59.30	+18 12.5	2.310	3.293	2.2	20.5
11 27	2 51.63	+17 47.7	2.347	3.295	5.6	20.7
12 7	2 45.26	+17 26.2	2.413	3.298	8.8	20.9
12 17	2 40.71	+17 10.9	2.503	3.300	11.5	21.1

98895 2001 BE_{44} 11 10.8 301°.44 6°.6/ 6.8 18

10 8	3 28.41	+ 3 20.9	1.628	2.490	14.4	19.3
10 18	3 23.64	+ 2 18.1	1.556	2.477	11.1	19.0
10 28	3 16.52	+ 1 18.6	1.507	2.463	8.0	18.8
11 7	3 7.88	+ 0 29.3	1.483	2.449	6.6	18.7
11 17	2 58.75	− 0 3.2	1.485	2.436	8.2	18.8
11 27	2 50.36	− 0 14.1	1.513	2.423	11.5	18.9
12 7	2 43.75	− 0 1.8	1.565	2.410	15.0	19.1
12 17	2 39.61	+ 0 32.4	1.635	2.398	18.1	19.3

104246 2000 EM_{135} 11 10.8 254°.38 2°.2/ 9.4 18

10 8	3 29.65	+12 32.3	1.892	2.744	13.2	19.0
10 18	3 24.25	+12 6.4	1.819	2.741	9.7	18.8
10 28	3 16.75	+11 37.1	1.770	2.737	5.9	18.6
11 7	3 7.91	+11 7.6	1.748	2.734	2.5	18.4
11 17	2 58.71	+10 41.8	1.754	2.731	4.0	18.5
11 27	2 50.24	+10 23.8	1.789	2.727	7.9	18.7
12 7	2 43.39	+10 16.6	1.849	2.724	11.6	18.9
12 17	2 38.80	+10 21.9	1.933	2.720	14.8	19.1

304203 2006 QR_{110} 11 10.8 65°.52 1°.0/10.1 18

10 8	3 29.30	+16 39.2	1.776	2.627	13.9	20.8
10 18	3 24.04	+16 7.0	1.712	2.633	10.3	20.6
10 28	3 16.62	+15 27.3	1.671	2.640	6.1	20.4
11 7	3 7.89	+14 43.5	1.657	2.646	1.8	20.1
11 17	2 58.89	+13 59.9	1.671	2.653	3.3	20.3
11 27	2 50.74	+13 21.9	1.714	2.659	7.6	20.5
12 7	2 44.37	+12 53.6	1.782	2.666	11.5	20.8
12 17	2 40.35	+12 38.0	1.873	2.673	14.7	21.0

66135 1998 SX_{131} 11 10.8 42°.71 3°.6/13.3 18

10 8	3 29.67	+28 32.4	1.933	2.749	14.4	18.8
10 18	3 24.34	+28 41.9	1.869	2.761	11.2	18.7
10 28	3 16.82	+28 36.3	1.827	2.773	7.7	18.5
11 7	3 7.94	+28 15.2	1.811	2.786	4.5	18.3
11 17	2 58.79	+27 40.7	1.823	2.799	3.9	18.3
11 27	2 50.52	+26 57.3	1.863	2.812	6.7	18.5
12 7	2 44.06	+26 11.0	1.929	2.826	10.0	18.7
12 17	2 39.99	+25 27.7	2.020	2.840	13.0	19.0

275004 2009 TJ_{36} 11 10.8 28°.83 1°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.09	+21 14.1	1.060	1.930	19.8	19.7
10 18	3 26.46	+21 22.4	1.015	1.943	14.8	19.5
10 28	3 18.48	+21 15.8	0.989	1.958	9.2	19.2
11 7	3 8.44	+20 55.9	0.986	1.973	3.3	19.0
11 17	2 58.08	+20 26.8	1.006	1.990	3.8	19.1
11 27	2 49.25	+19 55.7	1.050	2.008	9.4	19.4
12 7	2 43.26	+19 30.0	1.117	2.027	14.4	19.8
12 17	2 40.76	+19 15.0	1.204	2.047	18.6	20.1

148556 2001 QZ_{176} 11 10.8 275°.28 1°.3/10.1 18

10 8	3 30.76	+16 23.6	1.604	2.458	15.0	19.8
10 18	3 25.61	+15 50.7	1.520	2.443	11.2	19.5
10 28	3 17.85	+15 8.7	1.458	2.427	6.7	19.2
11 7	3 8.31	+14 21.0	1.422	2.410	2.1	18.9
11 17	2 58.14	+13 32.5	1.413	2.394	3.8	19.0
11 27	2 48.72	+12 49.4	1.432	2.378	8.8	19.3
12 7	2 41.24	+12 17.6	1.476	2.361	13.3	19.5
12 17	2 36.48	+12 0.7	1.541	2.345	17.2	19.7

227716 2006 DQ_{188} 11 10.8 336°.57 1°.8/ 9.6 18

10 8	3 26.81	+13 46.6	2.097	2.948	12.1	20.6
10 18	3 21.99	+13 17.2	2.023	2.944	8.9	20.4
10 28	3 15.34	+12 43.5	1.973	2.941	5.3	20.2
11 7	3 7.54	+12 8.6	1.951	2.939	2.0	19.9
11 17	2 59.44	+11 36.2	1.958	2.936	3.5	20.0
11 27	2 51.96	+11 10.3	1.993	2.933	7.1	20.3
12 7	2 45.92	+10 54.0	2.055	2.931	10.5	20.5
12 17	2 41.86	+10 49.2	2.140	2.929	13.5	20.7

96832 1999 RE_{195} 11 10.8 30°.16 9°.1/16.9 18

10 8	3 31.73	+39 19.1	1.310	2.108	20.8	18.4
10 18	3 27.03	+39 47.7	1.256	2.121	17.4	18.2
10 28	3 18.87	+39 44.8	1.220	2.136	13.7	18.1
11 7	3 8.56	+39 7.0	1.205	2.152	10.5	17.9
11 17	2 57.90	+37 55.6	1.213	2.168	9.1	17.9
11 27	2 48.80	+36 19.3	1.245	2.186	10.4	18.0
12 7	2 42.64	+34 31.4	1.301	2.204	13.4	18.3
12 17	2 40.04	+32 44.9	1.379	2.223	16.6	18.5

360908 2005 SL_{211} 11 10.8 88°.63 1°.7/11.9 18

10 8	3 31.40	+22 51.2	2.066	2.892	13.2	21.2
10 18	3 25.40	+22 57.9	2.001	2.905	10.0	21.0
10 28	3 17.37	+22 54.4	1.960	2.918	6.3	20.8
11 7	3 8.11	+22 41.3	1.946	2.931	2.6	20.6
11 17	2 58.58	+22 20.5	1.961	2.943	2.7	20.6
11 27	2 49.86	+21 55.7	2.006	2.956	6.3	20.8
12 7	2 42.81	+21 31.3	2.078	2.968	9.7	21.1
12 17	2 38.00	+21 11.4	2.174	2.980	12.7	21.3

217149 2002 NL_{34} 11 10.8 87°.45 1°.9/11.9 17

10 8	3 34.69	+24 36.0	1.460	2.297	17.1	20.2
10 18	3 28.33	+24 11.5	1.407	2.317	12.9	20.0
10 28	3 19.26	+23 30.2	1.376	2.337	8.1	19.8
11 7	3 8.62	+22 34.3	1.370	2.356	3.3	19.6
11 17	2 57.84	+21 28.8	1.392	2.375	3.3	19.6
11 27	2 48.38	+20 21.7	1.441	2.394	7.9	19.9
12 7	2 41.31	+19 20.8	1.516	2.412	12.3	20.3
12 17	2 37.22	+18 32.3	1.613	2.430	15.9	20.5

161582 2005 ET_{219} 11 10.8 74°.94 1°.4/10.0 18

10 8	3 31.55	+16 58.4	1.378	2.238	16.6	20.0
10 18	3 26.23	+16 14.0	1.316	2.242	12.3	19.8
10 28	3 18.15	+15 19.3	1.277	2.247	7.3	19.5
11 7	3 8.36	+14 18.8	1.262	2.251	2.2	19.2
11 17	2 58.20	+13 19.2	1.274	2.255	4.1	19.4
11 27	2 49.17	+12 27.9	1.313	2.260	9.2	19.7
12 7	2 42.41	+11 50.8	1.375	2.264	13.8	20.0
12 17	2 38.59	+11 31.4	1.459	2.268	17.7	20.2

471933 2013 QC_{8} 11 10.8 247°.56 5°.2/13.8 16

10 8	3 34.01	+31 1.1	1.417	2.238	18.4	21.7
10 18	3 28.52	+31 4.9	1.341	2.234	14.7	21.4
10 28	3 19.78	+30 45.5	1.285	2.230	10.4	21.2
11 7	3 8.87	+30 1.1	1.253	2.226	6.4	20.9
11 17	2 57.33	+28 53.7	1.247	2.222	5.5	20.9
11 27	2 46.94	+27 31.2	1.266	2.218	8.9	21.0
12 7	2 39.14	+26 4.6	1.311	2.214	13.3	21.3
12 17	2 34.74	+24 44.6	1.377	2.210	17.3	21.5

275461 2011 DC_{3} 11 10.8 279°.80 3°.8/13.5 17

10 8	3 29.61	+29 42.3	2.338	3.139	12.7	21.5
10 18	3 24.20	+29 59.2	2.249	3.131	10.0	21.3
10 28	3 16.76	+30 2.8	2.183	3.123	7.1	21.1
11 7	3 7.98	+29 52.2	2.144	3.114	4.5	20.9
11 17	2 58.75	+29 28.0	2.134	3.106	4.0	20.9
11 27	2 50.10	+28 53.4	2.152	3.097	6.3	21.0
12 7	2 42.95	+28 13.2	2.198	3.089	9.2	21.2
12 17	2 37.92	+27 32.8	2.269	3.081	12.1	21.4

378144 2006 VG_{79} 11 10.8 333°.69 2°.7/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.15	+12 34.2	1.421	2.283	16.1	21.4
10 18	3 26.67	+12 6.6	1.355	2.282	11.9	21.2
10 28	3 18.45	+11 34.8	1.312	2.281	7.2	20.9
11 7	3 8.47	+11 3.0	1.293	2.280	3.0	20.7
11 17	2 58.02	+10 36.2	1.301	2.279	4.9	20.8
11 27	2 48.57	+10 19.7	1.336	2.278	9.6	21.0
12 7	2 41.32	+10 17.1	1.395	2.278	14.1	21.3
12 17	2 36.98	+10 30.0	1.474	2.277	17.9	21.6

308840 2006 RC_{56} 11 10.8 359°.67 0°.6/10.4 18

10 8	3 28.93	+17 11.7	1.727	2.579	14.2	20.7
10 18	3 23.93	+16 52.0	1.657	2.578	10.5	20.5
10 28	3 16.66	+16 24.6	1.609	2.578	6.3	20.3
11 7	3 7.95	+15 52.1	1.588	2.577	1.7	20.0
11 17	2 58.86	+15 18.3	1.595	2.578	3.2	20.1
11 27	2 50.58	+14 48.2	1.630	2.578	7.6	20.4
12 7	2 44.10	+14 26.2	1.690	2.579	11.7	20.6
12 17	2 40.06	+14 15.4	1.773	2.580	15.1	20.8

261934 2006 MK_{8} 11 10.8 6°.75 28°.0/13.9 18

10 8	3 26.71	−32 35.3	0.742	1.564	30.5	18.6
10 18	3 23.83	−33 30.7	0.729	1.564	29.5	18.6
10 28	3 16.99	−33 21.5	0.725	1.567	28.7	18.5
11 7	3 8.01	−31 56.9	0.731	1.574	28.1	18.5
11 17	2 59.01	−29 15.5	0.748	1.584	28.0	18.6
11 27	2 52.03	−25 26.7	0.777	1.598	28.4	18.7
12 7	2 48.30	−20 49.5	0.821	1.616	29.3	18.9
12 17	2 48.28	−15 45.4	0.879	1.636	30.4	19.1

91735 1999 TM_{171} 11 10.8 67°.55 0°.1/10.7 18

10 8	3 30.22	+18 52.2	1.983	2.823	13.2	20.4
10 18	3 24.36	+18 28.2	1.934	2.849	9.7	20.2
10 28	3 16.64	+17 56.3	1.909	2.875	5.7	20.1
11 7	3 7.89	+17 19.1	1.912	2.901	1.6	19.8
11 17	2 59.06	+16 40.2	1.944	2.927	2.6	20.0
11 27	2 51.14	+16 4.1	2.005	2.953	6.5	20.3
12 7	2 44.90	+15 34.6	2.094	2.979	9.9	20.5
12 17	2 40.81	+15 14.7	2.206	3.004	12.8	20.8

182411 2001 RU_{60} 11 10.8 5°.90 6°.8/ 7.1 18

10 8	3 24.54	+ 5 10.7	1.271	2.153	16.3	19.3
10 18	3 21.10	+ 4 2.1	1.221	2.154	12.4	19.0
10 28	3 15.10	+ 2 57.0	1.192	2.156	8.7	18.8
11 7	3 7.53	+ 2 3.8	1.187	2.159	6.8	18.8
11 17	2 59.63	+ 1 29.9	1.205	2.164	8.5	18.9
11 27	2 52.76	+ 1 20.3	1.247	2.170	12.2	19.1
12 7	2 47.96	+ 1 35.9	1.311	2.178	15.9	19.3
12 17	2 45.86	+ 2 14.4	1.394	2.187	19.2	19.6

215314 2001 SA_{319} 11 10.8 23°.49 1°.0/10.2 18

10 8	3 29.20	+15 53.3	1.678	2.533	14.4	20.2
10 18	3 24.13	+15 36.6	1.614	2.537	10.6	19.9
10 28	3 16.77	+15 13.5	1.573	2.541	6.3	19.7
11 7	3 7.99	+14 46.8	1.557	2.546	1.9	19.4
11 17	2 58.88	+14 20.5	1.570	2.551	3.4	19.5
11 27	2 50.63	+13 58.8	1.609	2.557	7.8	19.8
12 7	2 44.23	+13 45.9	1.675	2.563	11.8	20.1
12 17	2 40.30	+13 44.2	1.762	2.569	15.2	20.3

267997 2004 HH_{28} 11 10.8 213°.26 1°.6/ 9.9 18

10 8	3 33.46	+14 15.4	1.917	2.759	13.4	21.6
10 18	3 27.15	+13 55.9	1.835	2.752	10.0	21.4
10 28	3 18.57	+13 31.5	1.778	2.745	6.0	21.1
11 7	3 8.52	+13 4.8	1.749	2.737	2.0	20.8
11 17	2 58.00	+12 39.2	1.749	2.728	3.6	20.9
11 27	2 48.20	+12 18.9	1.778	2.719	7.8	21.2
12 7	2 40.10	+12 7.4	1.834	2.709	11.7	21.4
12 17	2 34.39	+12 7.2	1.913	2.698	15.0	21.6

139203 2001 FE_{167} 11 10.8 82°.29 1°.1/10.3 18

10 8	3 34.99	+15 29.5	1.440	2.294	16.4	19.0
10 18	3 28.57	+15 21.2	1.388	2.310	12.1	18.8
10 28	3 19.46	+15 6.6	1.357	2.325	7.2	18.5
11 7	3 8.74	+14 48.5	1.352	2.341	2.1	18.2
11 17	2 57.78	+14 30.5	1.374	2.356	3.7	18.4
11 27	2 48.02	+14 17.1	1.423	2.371	8.6	18.7
12 7	2 40.56	+14 12.4	1.498	2.386	13.0	19.0
12 17	2 36.03	+14 18.9	1.594	2.400	16.6	19.3

328464 2008 UY_{365} 11 10.8 133°.84 0°.9/11.8 18

10 8	3 28.08	+25 40.8	2.513	3.327	11.5	19.7
10 18	3 22.61	+24 24.9	2.431	3.330	8.7	19.5
10 28	3 15.57	+22 54.9	2.376	3.333	5.4	19.3
11 7	3 7.62	+21 13.8	2.350	3.336	2.0	19.1
11 17	2 59.55	+19 26.8	2.356	3.339	2.1	19.1
11 27	2 52.17	+17 40.4	2.394	3.342	5.5	19.4
12 7	2 46.16	+16 0.9	2.463	3.345	8.7	19.6
12 17	2 41.97	+14 33.4	2.557	3.348	11.5	19.8

16696 Villamayor 11 10.8 204°.35 1°.7/ 9.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.78	+14 21.8	1.944	2.789	13.2	19.0
10 18	3 25.82	+13 51.9	1.867	2.785	9.7	18.8
10 28	3 17.73	+13 16.7	1.814	2.781	5.8	18.6
11 7	3 8.28	+12 39.1	1.788	2.776	2.1	18.3
11 17	2 58.44	+12 3.3	1.792	2.771	3.6	18.4
11 27	2 49.33	+11 33.6	1.825	2.765	7.7	18.7
12 7	2 41.87	+11 14.0	1.884	2.759	11.4	18.9
12 17	2 36.70	+11 6.7	1.967	2.752	14.7	19.1

225448 2000 DR_{67} 11 10.8 188°.78 1°.4/12.0 17

10 8	3 27.97	+23 37.9	2.737	3.554	10.6	20.9
10 18	3 22.57	+23 30.5	2.654	3.553	8.0	20.7
10 28	3 15.60	+23 14.2	2.596	3.552	5.1	20.6
11 7	3 7.67	+22 49.8	2.566	3.551	2.2	20.3
11 17	2 59.46	+22 19.0	2.567	3.549	2.2	20.3
11 27	2 51.78	+21 45.1	2.598	3.547	5.1	20.5
12 7	2 45.30	+21 11.6	2.658	3.545	8.0	20.7
12 17	2 40.51	+20 42.0	2.744	3.543	10.6	20.9

177563 2004 FD_{107} 11 10.8 219°.33 1°.5/11.9 18

10 8	3 30.60	+23 8.3	2.282	3.104	12.3	21.6
10 18	3 24.83	+23 2.7	2.195	3.098	9.3	21.4
10 28	3 17.11	+22 47.0	2.133	3.091	5.9	21.2
11 7	3 8.11	+22 21.7	2.098	3.083	2.4	20.9
11 17	2 58.73	+21 48.9	2.093	3.075	2.5	20.9
11 27	2 49.94	+21 12.4	2.118	3.067	6.0	21.1
12 7	2 42.62	+20 36.7	2.170	3.058	9.5	21.3
12 17	2 37.38	+20 6.2	2.248	3.049	12.5	21.5

488659 2003 SO_{293} 11 10.8 16°.07 5°.4/14.0 17

10 8	3 30.54	+31 7.5	1.784	2.594	15.6	20.7
10 18	3 25.39	+31 47.9	1.715	2.599	12.5	20.5
10 28	3 17.68	+32 11.5	1.669	2.605	9.1	20.3
11 7	3 8.30	+32 16.0	1.646	2.612	6.2	20.1
11 17	2 58.45	+32 1.5	1.651	2.619	5.5	20.1
11 27	2 49.49	+31 31.9	1.682	2.627	7.8	20.3
12 7	2 42.53	+30 53.5	1.739	2.635	11.0	20.5
12 17	2 38.30	+30 13.4	1.819	2.645	14.0	20.7

367645 2009 WY_{61} 11 10.8 302°.65 3°.2/ 8.8 18

10 8	3 28.50	+ 8 0.2	2.225	3.073	11.6	20.5
10 18	3 23.15	+ 7 43.5	2.150	3.068	8.6	20.3
10 28	3 16.04	+ 7 27.6	2.100	3.063	5.5	20.1
11 7	3 7.80	+ 7 15.7	2.077	3.058	3.3	19.9
11 17	2 59.25	+ 7 10.6	2.084	3.053	4.5	20.0
11 27	2 51.28	+ 7 14.8	2.120	3.048	7.5	20.2
12 7	2 44.66	+ 7 29.8	2.183	3.044	10.6	20.4
12 17	2 39.95	+ 7 55.9	2.268	3.039	13.4	20.6

345437 2006 DK_{140} 11 10.8 50°.50 1°.4/10.1 18

10 8	3 31.92	+14 47.4	1.489	2.347	15.7	20.2
10 18	3 26.31	+14 35.2	1.433	2.357	11.6	20.0
10 28	3 18.14	+14 17.5	1.399	2.368	6.9	19.7
11 7	3 8.41	+13 57.4	1.390	2.378	2.2	19.4
11 17	2 58.38	+13 38.6	1.408	2.389	3.8	19.6
11 27	2 49.41	+13 25.7	1.454	2.400	8.5	19.9
12 7	2 42.57	+13 22.3	1.524	2.412	12.8	20.2
12 17	2 38.48	+13 30.5	1.615	2.423	16.3	20.4

122753 2000 SB_{62} 11 10.8 57°.01 0°.8/11.3 18

10 8	3 30.48	+20 31.8	1.814	2.655	14.1	20.1
10 18	3 24.89	+20 26.3	1.756	2.670	10.5	19.9
10 28	3 17.15	+20 11.2	1.721	2.685	6.4	19.7
11 7	3 8.11	+19 48.1	1.712	2.700	2.1	19.5
11 17	2 58.85	+19 19.9	1.732	2.715	2.7	19.5
11 27	2 50.50	+18 51.0	1.780	2.731	6.8	19.8
12 7	2 43.97	+18 26.1	1.854	2.747	10.6	20.1
12 17	2 39.82	+18 8.9	1.952	2.762	13.8	20.4

72927 2001 XX_{155} 11 10.8 220°.42 2°.9/ 9.2 18

10 8	3 31.10	+11 48.2	1.668	2.524	14.4	19.7
10 18	3 25.57	+11 13.7	1.599	2.522	10.7	19.5
10 28	3 17.69	+10 35.8	1.553	2.521	6.5	19.3
11 7	3 8.30	+ 9 58.6	1.533	2.519	3.1	19.0
11 17	2 58.52	+ 9 27.0	1.542	2.517	4.7	19.2
11 27	2 49.59	+ 9 5.7	1.577	2.515	8.9	19.4
12 7	2 42.52	+ 8 58.0	1.638	2.513	12.9	19.6
12 17	2 37.98	+ 9 5.4	1.721	2.510	16.2	19.9

91683 1999 TZ_{123} 11 10.8 354°.86 2°.5/ 8.9 18

10 8	3 26.10	+13 22.3	1.904	2.761	12.9	19.0
10 18	3 21.62	+12 25.6	1.834	2.759	9.5	18.7
10 28	3 15.20	+11 23.4	1.789	2.758	5.7	18.5
11 7	3 7.58	+10 20.4	1.771	2.757	2.7	18.3
11 17	2 59.69	+ 9 22.2	1.781	2.756	4.3	18.4
11 27	2 52.50	+ 8 34.1	1.820	2.756	8.0	18.7
12 7	2 46.86	+ 8 0.2	1.884	2.755	11.6	18.9
12 17	2 43.32	+ 7 42.3	1.970	2.756	14.6	19.1

21940 1999 VU_{91} 11 10.8 77°.28 7°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.49	+ 0 11.6	1.694	2.551	14.2	18.4
10 18	3 23.39	− 1 19.8	1.646	2.558	11.2	18.2
10 28	3 16.23	− 2 44.1	1.621	2.566	8.6	18.1
11 7	3 7.86	− 3 53.2	1.623	2.574	7.8	18.1
11 17	2 59.29	− 4 40.6	1.651	2.582	9.2	18.2
11 27	2 51.62	− 5 2.2	1.704	2.590	11.9	18.3
12 7	2 45.69	− 4 57.9	1.780	2.598	14.7	18.5
12 17	2 42.04	− 4 30.2	1.876	2.606	17.2	18.8

67953 2000 WN_{166} 11 10.8 70°.31 1°.7/ 9.9 18

10 8	3 35.61	+16 28.1	1.234	2.095	18.1	19.3
10 18	3 29.06	+15 40.7	1.197	2.123	13.2	19.1
10 28	3 19.68	+14 44.4	1.181	2.151	7.8	18.9
11 7	3 8.79	+13 45.0	1.190	2.179	2.4	18.6
11 17	2 57.94	+12 49.2	1.226	2.206	4.4	18.8
11 27	2 48.64	+12 4.4	1.288	2.234	9.5	19.2
12 7	2 41.95	+11 35.4	1.373	2.261	13.9	19.6
12 17	2 38.37	+11 24.1	1.480	2.288	17.6	19.9

103409 2000 AP_{140} 11 10.8 337°.92 3°.1/ 9.3 18

10 8	3 28.25	+11 39.8	1.408	2.277	15.8	19.1
10 18	3 23.93	+11 14.0	1.336	2.267	11.7	18.8
10 28	3 16.93	+10 45.1	1.287	2.257	7.2	18.5
11 7	3 8.14	+10 17.3	1.262	2.248	3.3	18.3
11 17	2 58.78	+ 9 55.7	1.262	2.239	5.2	18.4
11 27	2 50.28	+ 9 45.5	1.289	2.232	9.8	18.6
12 7	2 43.83	+ 9 50.0	1.339	2.225	14.3	18.9
12 17	2 40.21	+10 10.4	1.409	2.220	18.1	19.1

360891 2005 SP_{120} 11 10.8 116°.07 2°.4/ 8.8 18

10 8	3 27.87	+13 34.0	2.189	3.036	11.8	20.6
10 18	3 22.57	+12 25.4	2.127	3.047	8.6	20.4
10 28	3 15.60	+11 11.8	2.091	3.058	5.2	20.3
11 7	3 7.67	+ 9 58.0	2.083	3.068	2.5	20.1
11 17	2 59.60	+ 8 49.2	2.106	3.079	4.0	20.2
11 27	2 52.25	+ 7 50.5	2.158	3.089	7.3	20.5
12 7	2 46.32	+ 7 5.6	2.237	3.099	10.4	20.7
12 17	2 42.28	+ 6 36.2	2.340	3.108	13.1	20.9

413997 2007 EJ_{168} 11 10.8 121°.89 0°.8/10.2 18

10 8	3 28.17	+16 8.4	2.529	3.365	10.8	21.7
10 18	3 22.66	+15 46.3	2.462	3.376	7.9	21.6
10 28	3 15.62	+15 19.3	2.422	3.388	4.7	21.4
11 7	3 7.68	+14 49.7	2.410	3.398	1.4	21.2
11 17	2 59.57	+14 20.1	2.428	3.409	2.5	21.3
11 27	2 52.06	+13 53.8	2.477	3.419	5.8	21.5
12 7	2 45.82	+13 33.7	2.553	3.429	8.7	21.7
12 17	2 41.30	+13 21.7	2.655	3.439	11.3	21.9

237862 2002 GB_{137} 11 10.8 317°.24 1°.2/11.5 18

10 8	3 30.99	+21 11.5	1.569	2.416	15.7	20.2
10 18	3 25.87	+21 11.7	1.493	2.409	11.8	19.9
10 28	3 18.07	+21 0.4	1.438	2.402	7.4	19.6
11 7	3 8.47	+20 38.5	1.408	2.396	2.6	19.3
11 17	2 58.29	+20 8.8	1.406	2.389	3.1	19.3
11 27	2 48.97	+19 36.4	1.430	2.383	7.9	19.6
12 7	2 41.71	+19 7.3	1.480	2.378	12.4	19.9
12 17	2 37.26	+18 46.7	1.552	2.372	16.3	20.1

149590 2004 CO_{36} 11 10.8 147°.44 1°.6/11.8 18

10 8	3 33.72	+23 35.0	1.725	2.556	15.2	20.4
10 18	3 27.52	+23 18.9	1.656	2.563	11.5	20.1
10 28	3 18.85	+22 48.9	1.609	2.569	7.2	19.9
11 7	3 8.65	+22 6.4	1.589	2.575	2.9	19.7
11 17	2 58.11	+21 14.8	1.597	2.580	3.0	19.7
11 27	2 48.54	+20 20.3	1.634	2.585	7.3	20.0
12 7	2 41.01	+19 29.6	1.697	2.590	11.4	20.2
12 17	2 36.15	+18 48.1	1.784	2.594	14.9	20.5

334007 2000 UB_{57} 11 10.8 359°.72 3°.1/12.0 18

10 8	3 28.57	+22 33.2	1.104	1.973	19.3	20.0
10 18	3 24.95	+23 11.7	1.043	1.969	14.8	19.7
10 28	3 17.90	+23 36.7	1.000	1.966	9.6	19.4
11 7	3 8.49	+23 46.5	0.980	1.965	4.4	19.1
11 17	2 58.33	+23 42.3	0.983	1.966	4.4	19.1
11 27	2 49.35	+23 28.9	1.009	1.968	9.5	19.4
12 7	2 43.11	+23 13.7	1.058	1.972	14.6	19.7
12 17	2 40.46	+23 3.4	1.126	1.977	19.0	20.0

66099 1998 SQ_{13} 11 10.8 58°.35 0°.2/10.9 18

10 8	3 29.21	+19 10.6	1.986	2.827	13.1	18.9
10 18	3 23.75	+18 54.0	1.931	2.846	9.7	18.7
10 28	3 16.40	+18 29.3	1.900	2.865	5.8	18.5
11 7	3 7.94	+17 58.8	1.896	2.885	1.7	18.3
11 17	2 59.33	+17 25.7	1.921	2.904	2.5	18.4
11 27	2 51.56	+16 54.2	1.975	2.924	6.4	18.7
12 7	2 45.43	+16 28.3	2.056	2.944	10.0	19.0
12 17	2 41.44	+16 11.0	2.160	2.963	12.9	19.2

520672 2014 QQ_{453} 11 10.8 168°.54 1°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.50	+21 55.6	2.743	3.557	10.6	21.7
10 18	3 25.17	+22 8.7	2.663	3.561	8.0	21.5
10 28	3 17.19	+22 14.6	2.608	3.564	5.1	21.4
11 7	3 8.19	+22 13.6	2.582	3.567	2.1	21.2
11 17	2 58.88	+22 6.5	2.588	3.570	2.2	21.2
11 27	2 50.11	+21 55.7	2.624	3.572	5.2	21.4
12 7	2 42.58	+21 44.1	2.690	3.573	8.1	21.6
12 17	2 36.82	+21 34.8	2.782	3.575	10.6	21.8

487356 2014 QS_{226} 11 10.8 294°.52 4°.9/14.1 17

10 8	3 30.95	+31 53.2	2.129	2.925	13.9	21.0
10 18	3 25.48	+32 18.8	2.042	2.917	11.2	20.8
10 28	3 17.71	+32 28.9	1.977	2.909	8.2	20.6
11 7	3 8.38	+32 21.6	1.938	2.902	5.6	20.4
11 17	2 58.53	+31 57.2	1.927	2.894	5.0	20.4
11 27	2 49.35	+31 18.9	1.944	2.886	7.1	20.5
12 7	2 41.86	+30 32.5	1.988	2.879	10.1	20.6
12 17	2 36.78	+29 44.4	2.056	2.872	13.0	20.8

330857 2009 QN_{19} 11 10.8 46°.42 7°.4/ 7.5 18

10 8	3 31.56	+ 4 40.2	1.114	1.992	18.4	19.9
10 18	3 26.22	+ 3 24.2	1.085	2.015	13.9	19.7
10 28	3 18.07	+ 2 15.0	1.076	2.038	9.6	19.5
11 7	3 8.40	+ 1 21.8	1.090	2.062	7.4	19.5
11 17	2 58.74	+ 0 51.8	1.129	2.086	9.2	19.7
11 27	2 50.56	+ 0 48.5	1.190	2.111	12.8	20.0
12 7	2 44.91	+ 1 11.1	1.273	2.136	16.6	20.3
12 17	2 42.27	+ 1 55.8	1.375	2.162	19.7	20.6

1163 Saga 11 10.8 73°.01 4°.0/ 7.8 18

10 8	3 26.62	+ 6 1.0	2.321	3.171	11.1	15.6
10 18	3 21.64	+ 5 19.9	2.257	3.174	8.3	15.5
10 28	3 15.09	+ 4 40.4	2.219	3.178	5.6	15.3
11 7	3 7.59	+ 4 6.6	2.209	3.182	4.0	15.2
11 17	2 59.88	+ 3 42.1	2.227	3.186	5.2	15.3
11 27	2 52.77	+ 3 29.8	2.275	3.190	7.8	15.5
12 7	2 46.94	+ 3 31.2	2.348	3.194	10.5	15.6
12 17	2 42.87	+ 3 46.2	2.444	3.199	13.0	15.8

247270 2001 SG_{87} 11 10.8 37°.23 1°.9/12.0 18

10 8	3 30.10	+23 32.9	1.686	2.524	15.1	20.5
10 18	3 24.92	+23 29.1	1.621	2.531	11.5	20.3
10 28	3 17.33	+23 12.2	1.578	2.539	7.3	20.0
11 7	3 8.25	+22 43.2	1.561	2.547	3.1	19.8
11 17	2 58.84	+22 5.2	1.572	2.555	3.0	19.8
11 27	2 50.37	+21 23.4	1.610	2.564	7.2	20.1
12 7	2 43.85	+20 44.0	1.675	2.573	11.2	20.4
12 17	2 39.91	+20 12.0	1.762	2.582	14.6	20.6

330219 2006 HB_{12} 11 10.8 139°.14 2°.0/ 9.4 18

10 8	3 27.97	+11 28.2	2.383	3.228	11.0	21.0
10 18	3 22.67	+11 12.2	2.310	3.228	8.1	20.8
10 28	3 15.74	+10 54.5	2.263	3.229	4.9	20.6
11 7	3 7.78	+10 37.8	2.244	3.229	2.2	20.5
11 17	2 59.57	+10 24.6	2.254	3.230	3.4	20.5
11 27	2 51.92	+10 17.5	2.294	3.230	6.6	20.7
12 7	2 45.55	+10 18.7	2.362	3.231	9.6	20.9
12 17	2 40.97	+10 29.4	2.453	3.231	12.3	21.1

514005 2014 JF_{11} 11 10.8 122°.01 2°.1/ 9.7 18

10 8	3 31.30	+12 18.3	1.947	2.794	13.0	21.4
10 18	3 25.40	+12 2.8	1.881	2.800	9.6	21.2
10 28	3 17.47	+11 44.8	1.839	2.806	5.8	21.0
11 7	3 8.28	+11 27.0	1.825	2.811	2.4	20.8
11 17	2 58.80	+11 12.6	1.839	2.817	3.8	20.9
11 27	2 50.10	+11 4.8	1.883	2.822	7.5	21.2
12 7	2 43.04	+11 6.3	1.953	2.827	11.1	21.4
12 17	2 38.20	+11 18.3	2.046	2.832	14.1	21.6

365831 2011 SN_{275} 11 10.8 89°.10 5°.8/ 6.9 18

10 8	3 28.42	+ 4 27.6	1.807	2.664	13.4	20.9
10 18	3 23.31	+ 3 14.5	1.750	2.669	10.2	20.7
10 28	3 16.21	+ 2 4.3	1.718	2.675	7.2	20.5
11 7	3 7.92	+ 1 3.3	1.713	2.680	5.8	20.5
11 17	2 59.41	+ 0 17.6	1.735	2.685	7.3	20.6
11 27	2 51.70	− 0 8.5	1.784	2.691	10.2	20.8
12 7	2 45.65	− 0 13.6	1.857	2.696	13.3	21.0
12 17	2 41.78	+ 0 1.5	1.951	2.701	15.9	21.2

130377 2000 GJ_{183} 11 10.8 9°.53 2°.9/ 8.6 18

10 8	3 25.64	+11 28.8	2.102	2.957	11.9	20.0
10 18	3 21.11	+10 32.7	2.035	2.958	8.8	19.8
10 28	3 14.85	+ 9 33.2	1.992	2.959	5.4	19.6
11 7	3 7.54	+ 8 35.0	1.977	2.960	3.0	19.4
11 17	2 59.99	+ 7 42.8	1.990	2.961	4.4	19.5
11 27	2 53.08	+ 7 1.3	2.033	2.963	7.7	19.7
12 7	2 47.57	+ 6 33.6	2.101	2.965	10.9	20.0
12 17	2 43.95	+ 6 21.2	2.192	2.967	13.7	20.2

11481 Znannya 11 10.8 15°.08 0°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.36	+21 31.1	1.634	2.480	15.2	17.0
10 18	3 24.42	+20 52.0	1.564	2.481	11.3	16.7
10 28	3 17.06	+19 59.3	1.516	2.482	6.9	16.5
11 7	3 8.19	+18 56.0	1.494	2.483	2.1	16.2
11 17	2 58.97	+17 47.4	1.500	2.484	2.9	16.3
11 27	2 50.67	+16 40.6	1.534	2.485	7.7	16.6
12 7	2 44.33	+15 42.5	1.593	2.487	12.0	16.8
12 17	2 40.56	+14 58.2	1.675	2.489	15.6	17.1

113136 2002 RO_{87} 11 10.8 60°.80 1°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.55	+20 49.2	1.241	2.094	18.6	19.7
10 18	3 29.94	+20 46.9	1.202	2.121	13.8	19.5
10 28	3 20.34	+20 31.3	1.183	2.149	8.4	19.3
11 7	3 9.07	+20 4.6	1.189	2.177	2.8	19.1
11 17	2 57.74	+19 30.9	1.220	2.204	3.4	19.2
11 27	2 47.98	+18 56.9	1.279	2.232	8.6	19.6
12 7	2 40.93	+18 29.2	1.361	2.260	13.2	19.9
12 17	2 37.13	+18 12.2	1.464	2.287	17.0	20.2

509200 2006 RQ_{88} 11 10.8 340°.61 3°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.68	+24 36.4	1.165	2.023	19.2	20.9
10 18	3 26.55	+24 59.3	1.095	2.014	14.9	20.6
10 28	3 18.92	+25 5.3	1.044	2.006	9.9	20.3
11 7	3 8.83	+24 53.0	1.015	1.999	4.8	20.0
11 17	2 57.90	+24 24.0	1.010	1.993	4.5	20.0
11 27	2 48.08	+23 44.8	1.030	1.987	9.6	20.3
12 7	2 40.98	+23 4.5	1.072	1.983	14.8	20.6
12 17	2 37.55	+22 31.2	1.133	1.980	19.3	20.8

178161 2006 UF_{13} 11 10.8 184°.54 2°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.51	+13 19.8	2.010	2.860	12.6	20.9
10 18	3 23.33	+12 37.8	1.939	2.860	9.3	20.7
10 28	3 16.23	+11 51.3	1.893	2.860	5.6	20.5
11 7	3 7.95	+11 4.0	1.874	2.860	2.4	20.3
11 17	2 59.38	+10 20.3	1.884	2.860	3.9	20.4
11 27	2 51.50	+ 9 44.9	1.922	2.859	7.6	20.6
12 7	2 45.16	+ 9 21.1	1.987	2.859	11.1	20.9
12 17	2 40.89	+ 9 11.0	2.075	2.858	14.1	21.1

292960 2006 VN_{113} 11 10.9 359°.02 3°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.55	+27 0.8	1.288	2.134	18.5	20.3
10 18	3 26.03	+26 47.7	1.221	2.132	14.3	20.1
10 28	3 18.36	+26 13.2	1.173	2.131	9.5	19.8
11 7	3 8.62	+25 17.9	1.148	2.131	4.7	19.5
11 17	2 58.35	+24 6.2	1.149	2.131	4.1	19.5
11 27	2 49.26	+22 47.1	1.175	2.132	8.8	19.8
12 7	2 42.71	+21 31.1	1.225	2.133	13.6	20.1
12 17	2 39.46	+20 26.9	1.296	2.134	17.8	20.3

419249 2009 VJ_{62} 11 10.9 293°.28 1°.0/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.22	+14 34.1	2.269	3.110	11.6	21.0
10 18	3 23.76	+14 32.8	2.189	3.106	8.6	20.8
10 28	3 16.49	+14 28.0	2.135	3.101	5.1	20.5
11 7	3 8.04	+14 21.4	2.108	3.096	1.6	20.3
11 17	2 59.24	+14 15.2	2.111	3.092	2.8	20.4
11 27	2 51.01	+14 11.9	2.144	3.087	6.4	20.6
12 7	2 44.13	+14 14.0	2.204	3.083	9.8	20.8
12 17	2 39.20	+14 23.5	2.288	3.079	12.7	21.0

243497 2009 UR_{122} 11 10.9 101°.03 1°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.84	+25 45.1	2.273	3.092	12.4	20.0
10 18	3 22.76	+25 18.4	2.196	3.095	9.4	19.8
10 28	3 15.86	+24 38.9	2.142	3.097	6.1	19.6
11 7	3 7.86	+23 48.0	2.116	3.100	2.8	19.4
11 17	2 59.60	+22 48.7	2.120	3.102	2.6	19.4
11 27	2 52.03	+21 46.0	2.153	3.104	5.8	19.6
12 7	2 45.92	+20 45.5	2.214	3.107	9.1	19.8
12 17	2 41.81	+19 51.8	2.301	3.109	12.0	20.0

492902 2014 QB_{429} 11 10.9 13°.61 4°.0/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.48	+29 58.6	1.908	2.722	14.6	20.8
10 18	3 23.67	+29 58.9	1.834	2.724	11.5	20.6
10 28	3 16.59	+29 42.2	1.783	2.727	8.1	20.4
11 7	3 8.09	+29 8.3	1.757	2.730	4.9	20.2
11 17	2 59.24	+28 19.4	1.758	2.734	4.2	20.2
11 27	2 51.21	+27 20.6	1.787	2.738	6.9	20.4
12 7	2 44.98	+26 18.9	1.843	2.742	10.3	20.6
12 17	2 41.18	+25 20.7	1.923	2.747	13.4	20.8

185799 1999 VW_{155} 11 10.9 350°.28 2°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.60	+ 9 30.4	1.031	1.911	19.4	18.9
10 18	3 28.83	+10 10.7	0.967	1.902	14.6	18.5
10 28	3 20.37	+10 56.3	0.922	1.894	9.0	18.2
11 7	3 9.28	+11 48.7	0.900	1.888	3.5	17.9
11 17	2 57.28	+12 48.1	0.902	1.883	5.2	18.0
11 27	2 46.42	+13 54.4	0.927	1.880	11.1	18.3
12 7	2 38.44	+15 7.4	0.975	1.879	16.6	18.6
12 17	2 34.31	+16 26.4	1.041	1.879	21.3	18.9

113104 2002 RT_{76} 11 10.9 168°.22 4°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.57	+32 21.5	2.246	3.030	13.6	20.4
10 18	3 27.98	+32 46.5	2.166	3.033	11.0	20.3
10 28	3 19.13	+32 55.9	2.109	3.036	8.1	20.1
11 7	3 8.82	+32 47.9	2.078	3.039	5.5	19.9
11 17	2 58.08	+32 22.9	2.076	3.041	4.9	19.9
11 27	2 48.10	+31 44.1	2.103	3.043	6.8	20.0
12 7	2 39.85	+30 57.5	2.158	3.044	9.6	20.2
12 17	2 34.01	+30 9.2	2.238	3.045	12.4	20.4

161650 2006 BM_{97} 11 10.9 177°.05 5°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.68	+30 26.4	1.808	2.613	15.6	20.2
10 18	3 28.53	+30 58.9	1.731	2.614	12.5	20.0
10 28	3 19.68	+31 15.0	1.676	2.614	9.0	19.8
11 7	3 9.02	+31 12.0	1.646	2.614	5.9	19.6
11 17	2 57.80	+30 50.3	1.644	2.614	5.2	19.6
11 27	2 47.45	+30 13.6	1.669	2.614	7.8	19.8
12 7	2 39.18	+29 29.0	1.721	2.614	11.2	20.0
12 17	2 33.76	+28 43.9	1.796	2.614	14.5	20.2

27185 1999 CH_{37} 11 10.9 319°.36 9°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.32	− 4 3.9	1.619	2.475	14.8	17.1
10 18	3 22.92	− 5 23.4	1.553	2.459	12.2	16.9
10 28	3 16.23	− 6 32.6	1.510	2.444	10.1	16.8
11 7	3 8.03	− 7 23.1	1.490	2.429	9.6	16.7
11 17	2 59.38	− 7 47.7	1.495	2.414	11.0	16.8
11 27	2 51.45	− 7 42.6	1.524	2.400	13.6	16.9
12 7	2 45.27	− 7 8.2	1.574	2.387	16.5	17.1
12 17	2 41.50	− 6 7.8	1.642	2.374	19.2	17.2

208734 2002 NY_{13} 11 10.9 88°.12 4°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.82	+30 51.1	1.930	2.730	15.0	20.7
10 18	3 28.06	+30 47.8	1.876	2.756	11.8	20.6
10 28	3 19.04	+30 26.7	1.843	2.782	8.2	20.4
11 7	3 8.76	+29 47.7	1.837	2.808	5.0	20.3
11 17	2 58.37	+28 53.8	1.859	2.833	4.2	20.3
11 27	2 49.09	+27 50.5	1.911	2.858	6.8	20.5
12 7	2 41.83	+26 45.2	1.990	2.883	10.0	20.7
12 17	2 37.11	+25 44.4	2.093	2.906	12.9	21.0

474685 2005 ED_{94} 11 10.9 285°.57 1°.3/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.75	+17 28.8	1.914	2.734	14.3	20.9
10 18	3 34.82	+18 31.7	1.799	2.702	11.0	20.6
10 28	3 23.80	+19 33.9	1.709	2.669	6.9	20.3
11 7	3 10.33	+20 32.9	1.649	2.636	2.5	20.0
11 17	2 55.55	+21 26.3	1.620	2.602	3.2	19.9
11 27	2 40.97	+22 13.3	1.622	2.567	8.0	20.2
12 7	2 28.10	+22 55.6	1.654	2.533	12.5	20.4
12 17	2 18.08	+23 36.4	1.710	2.498	16.4	20.5

449402 2013 GH_{134} 11 10.9 289°.28 1°.9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.75	+22 24.6	1.885	2.717	14.0	21.7
10 18	3 26.27	+22 41.0	1.793	2.700	10.7	21.5
10 28	3 18.33	+22 47.7	1.724	2.683	6.9	21.2
11 7	3 8.67	+22 44.3	1.681	2.666	2.9	21.0
11 17	2 58.34	+22 31.7	1.666	2.649	3.0	20.9
11 27	2 48.60	+22 13.4	1.680	2.632	7.1	21.2
12 7	2 40.58	+21 54.1	1.721	2.615	11.2	21.4
12 17	2 35.08	+21 38.7	1.785	2.598	14.8	21.6

411122 2009 WN_{155} 11 10.9 18°.47 7°.9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.33	− 2 46.3	1.540	2.394	15.5	19.5
10 18	3 24.93	− 3 3.9	1.495	2.405	12.3	19.3
10 28	3 17.27	− 3 8.3	1.471	2.416	9.4	19.2
11 7	3 8.29	− 2 54.6	1.473	2.428	7.9	19.1
11 17	2 59.12	− 2 19.8	1.499	2.442	8.9	19.2
11 27	2 50.96	− 1 23.9	1.552	2.457	11.6	19.4
12 7	2 44.75	− 0 9.5	1.628	2.472	14.5	19.6
12 17	2 41.03	+ 1 19.4	1.724	2.489	17.2	19.9

185341 2006 VB_{38} 11 10.9 221°.27 0°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.22	+19 30.2	1.633	2.478	15.2	21.0
10 18	3 26.63	+18 54.7	1.556	2.474	11.4	20.7
10 28	3 18.49	+18 7.4	1.502	2.469	6.9	20.5
11 7	3 8.69	+17 11.0	1.474	2.463	1.9	20.1
11 17	2 58.43	+16 10.7	1.474	2.457	3.2	20.2
11 27	2 49.04	+15 13.2	1.503	2.451	8.1	20.5
12 7	2 41.65	+14 25.0	1.557	2.445	12.5	20.7
12 17	2 36.96	+13 50.8	1.633	2.438	16.3	21.0

305967 2009 HR_{60} 11 10.9 218°.11 1°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.53	+20 57.0	2.118	2.948	12.8	21.5
10 18	3 25.69	+20 56.4	2.035	2.943	9.6	21.3
10 28	3 17.76	+20 46.9	1.976	2.938	6.0	21.1
11 7	3 8.48	+20 29.3	1.945	2.932	2.1	20.8
11 17	2 58.77	+20 5.8	1.943	2.926	2.5	20.8
11 27	2 49.70	+19 39.8	1.971	2.920	6.4	21.1
12 7	2 42.20	+19 15.8	2.026	2.914	10.1	21.3
12 17	2 36.90	+18 57.6	2.105	2.907	13.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
117103 2004 OT_3		11 10.9 36°.92 0°.8/10.4 18				
	h m	° ′			°	m
10 8	3 28.28	+17 11.1	1.844	2.694	13.5	19.5
10 18	3 23.33	+16 43.4	1.780	2.700	10.0	19.3
10 28	3 16.32	+16 8.1	1.739	2.707	5.9	19.0
11 7	3 8.06	+15 28.5	1.725	2.714	1.7	18.8
11 17	2 59.52	+14 48.4	1.739	2.721	3.0	18.9
11 27	2 51.79	+14 12.7	1.782	2.729	7.2	19.2
12 7	2 45.74	+13 45.7	1.850	2.737	11.0	19.4
12 17	2 41.93	+13 30.0	1.942	2.745	14.2	19.6
232116 2001 YO_{67}		11 10.9 318°.79 2°.2/ 9.9 18				
10 8	3 30.41	+13 15.4	1.381	2.247	16.3	19.7
10 18	3 25.78	+13 1.4	1.303	2.232	12.1	19.4
10 28	3 18.24	+12 42.9	1.247	2.217	7.4	19.1
11 7	3 8.70	+12 23.3	1.215	2.203	2.7	18.8
11 17	2 58.43	+12 7.0	1.209	2.189	4.6	18.9
11 27	2 48.97	+11 58.9	1.229	2.176	9.7	19.2
12 7	2 41.66	+12 3.0	1.272	2.163	14.5	19.4
12 17	2 37.37	+12 21.4	1.336	2.152	18.7	19.6
285224 1997 NC_2		11 10.9 358°.85 1°.0/10.0 18				
10 8	3 26.28	+17 31.6	2.092	2.938	12.3	20.5
10 18	3 21.68	+16 40.1	2.018	2.937	9.1	20.3
10 28	3 15.28	+15 40.2	1.969	2.937	5.4	20.1
11 7	3 7.76	+14 35.6	1.948	2.937	1.6	19.8
11 17	2 59.99	+13 31.2	1.956	2.937	3.0	19.9
11 27	2 52.88	+12 32.2	1.993	2.937	6.8	20.1
12 7	2 47.22	+11 43.5	2.057	2.937	10.3	20.4
12 17	2 43.54	+11 8.0	2.145	2.938	13.3	20.6
289754 2005 JG_{65}		11 10.9 249°.38 3°.1/13.2 18				
10 8	3 30.87	+28 41.6	2.035	2.845	14.0	20.6
10 18	3 25.41	+28 23.5	1.943	2.834	10.9	20.4
10 28	3 17.69	+27 48.7	1.875	2.822	7.4	20.2
11 7	3 8.49	+26 57.3	1.832	2.810	4.1	19.9
11 17	2 58.82	+25 51.9	1.819	2.798	3.5	19.9
11 27	2 49.86	+24 38.1	1.834	2.785	6.7	20.0
12 7	2 42.62	+23 23.0	1.878	2.772	10.4	20.2
12 17	2 37.77	+22 13.7	1.945	2.759	13.7	20.4
430864 2005 OM_{14}		11 10.9 26°.74 19°.9/29.4 18				
10 8	3 26.92	−21 12.0	1.103	1.935	21.8	19.3
10 18	3 23.05	−23 53.9	1.097	1.947	20.5	19.3
10 28	3 16.33	−25 53.7	1.108	1.961	19.9	19.3
11 7	3 8.05	−26 59.9	1.135	1.975	20.2	19.4
11 17	2 59.71	−27 8.1	1.178	1.991	21.2	19.5
11 27	2 52.79	−26 21.1	1.237	2.008	22.5	19.7
12 7	2 48.31	−24 48.2	1.309	2.027	23.9	19.8
12 17	2 46.77	−22 40.3	1.393	2.046	25.2	20.0
236482 2006 FO_{34}		11 10.9 207°.55 4°.2/13.7 18				
10 8	3 35.39	+30 36.1	2.311	3.099	13.2	21.2
10 18	3 28.63	+31 2.1	2.220	3.093	10.5	21.1
10 28	3 19.61	+31 14.3	2.153	3.086	7.6	20.9
11 7	3 9.04	+31 10.7	2.113	3.079	5.0	20.7
11 17	2 57.95	+30 51.4	2.102	3.071	4.4	20.6
11 27	2 47.48	+30 19.4	2.121	3.062	6.7	20.8
12 7	2 38.66	+29 39.7	2.168	3.053	9.7	20.9
12 17	2 32.18	+28 58.5	2.240	3.043	12.5	21.1
444828 2007 VH_4		11 10.9 315°.56 2°.5/13.0 18				
10 8	3 29.82	+29 41.5	1.760	2.578	15.5	20.3
10 18	3 24.76	+28 35.4	1.678	2.574	12.0	20.1
10 28	3 17.30	+27 6.3	1.618	2.570	8.0	19.9
11 7	3 8.38	+25 16.5	1.585	2.566	3.9	19.6
11 17	2 59.15	+23 12.4	1.580	2.563	3.2	19.6
11 27	2 50.89	+21 3.8	1.606	2.559	7.2	19.8
12 7	2 44.59	+19 1.5	1.659	2.556	11.3	20.0
12 17	2 40.86	+17 14.1	1.736	2.553	15.0	20.3
474906 2005 SC_{199}		11 10.9 34°.61 1°.9/11.7 16				
10 8	3 32.19	+22 1.6	1.112	1.976	19.5	20.5
10 18	3 27.25	+22 6.6	1.067	1.992	14.6	20.3
10 28	3 19.05	+21 56.2	1.043	2.009	9.1	20.0
11 7	3 8.89	+21 31.8	1.040	2.027	3.4	19.8
11 17	2 58.45	+20 57.6	1.062	2.047	3.7	19.8
11 27	2 49.52	+20 21.0	1.109	2.067	9.1	20.2
12 7	2 43.37	+19 49.5	1.179	2.087	14.0	20.6
12 17	2 40.62	+19 28.8	1.269	2.109	18.0	20.9
12636 Padrielli		11 10.9 103°.15 1°.7/11.9 18				
10 8	3 31.64	+22 23.4	2.216	3.040	12.5	18.2
10 18	3 25.64	+22 38.9	2.144	3.047	9.5	18.0
10 28	3 17.68	+22 45.6	2.096	3.054	6.0	17.8
11 7	3 8.49	+22 43.6	2.076	3.060	2.6	17.6
11 17	2 58.96	+22 34.2	2.085	3.067	2.6	17.6
11 27	2 50.12	+22 20.3	2.124	3.074	6.0	17.8
12 7	2 42.82	+22 5.7	2.191	3.081	9.3	18.1
12 17	2 37.64	+21 54.0	2.282	3.087	12.3	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
520565 2014 NQ_{52}		11 10.9 79°.58 0°.3/11.0 18				
	h m	° ′			°	m
10 8	3 33.20	+17 17.5	2.105	2.939	12.7	20.9
10 18	3 26.81	+17 39.9	2.036	2.947	9.4	20.7
10 28	3 18.39	+17 57.5	1.991	2.955	5.7	20.5
11 7	3 8.69	+18 10.5	1.975	2.963	1.7	20.3
11 17	2 58.66	+18 19.9	1.989	2.972	2.5	20.3
11 27	2 49.34	+18 28.0	2.032	2.980	6.4	20.6
12 7	2 41.62	+18 37.3	2.103	2.988	9.9	20.8
12 17	2 36.11	+18 50.5	2.199	2.997	12.9	21.1
330925 2009 SW_{161}		11 10.9 79°.83 2°.3/12.2 18				
10 8	3 34.98	+24 42.2	1.427	2.265	17.4	21.0
10 18	3 28.79	+24 32.5	1.373	2.282	13.2	20.8
10 28	3 19.77	+24 6.3	1.341	2.300	8.4	20.5
11 7	3 9.08	+23 24.7	1.333	2.318	3.6	20.3
11 17	2 58.16	+22 32.0	1.353	2.335	3.5	20.3
11 27	2 48.55	+21 35.4	1.399	2.353	8.0	20.7
12 7	2 41.38	+20 42.8	1.471	2.370	12.4	21.0
12 17	2 37.26	+20 0.4	1.565	2.387	16.1	21.2
203238 2001 KR_{40}		11 10.9 228°.33 5°.7/ 7.0 18				
10 8	3 30.74	+ 1 24.0	2.206	3.047	11.9	20.6
10 18	3 24.90	+ 0 39.1	2.129	3.036	9.3	20.4
10 28	3 17.23	− 0 1.2	2.078	3.025	6.8	20.2
11 7	3 8.37	− 0 31.9	2.054	3.014	5.7	20.1
11 17	2 59.16	− 0 48.9	2.059	3.002	6.8	20.2
11 27	2 50.53	− 0 49.3	2.092	2.990	9.4	20.3
12 7	2 43.28	− 0 32.3	2.151	2.977	12.2	20.5
12 17	2 37.98	+ 0 1.4	2.231	2.964	14.7	20.6
487017 2014 OY_{11}		11 10.9 27°.84 8°.2/17.3 17				
10 8	3 32.57	+41 26.5	1.917	2.672	16.6	21.1
10 18	3 27.10	+41 56.5	1.844	2.676	14.2	21.0
10 28	3 18.88	+42 2.3	1.790	2.681	11.5	20.8
11 7	3 8.87	+41 40.5	1.758	2.686	9.2	20.7
11 17	2 58.41	+40 50.9	1.752	2.691	8.2	20.6
11 27	2 48.98	+39 37.9	1.772	2.696	9.1	20.7
12 7	2 41.77	+38 10.3	1.818	2.702	11.3	20.9
12 17	2 37.47	+36 37.7	1.888	2.708	13.8	21.0
295049 2008 EZ_{107}		11 10.9 139°.66 3°.3/ 8.9 16				
10 8	3 33.39	+11 18.9	1.666	2.519	14.6	21.6
10 18	3 27.19	+10 29.1	1.607	2.528	10.8	21.4
10 28	3 18.68	+ 9 36.0	1.571	2.537	6.7	21.2
11 7	3 8.77	+ 8 44.8	1.562	2.545	3.5	21.0
11 17	2 58.62	+ 8 0.9	1.581	2.553	5.1	21.2
11 27	2 49.44	+ 7 29.5	1.628	2.561	9.1	21.4
12 7	2 42.21	+ 7 13.8	1.701	2.568	12.9	21.7
12 17	2 37.50	+ 7 14.8	1.795	2.574	16.1	21.9
128290 2003 UR_{258}		11 10.9 111°.42 0°.2/10.7 18				
10 8	3 28.25	+18 6.5	2.508	3.341	10.9	20.7
10 18	3 22.82	+17 45.6	2.441	3.353	8.1	20.5
10 28	3 15.85	+17 18.4	2.400	3.365	4.8	20.3
11 7	3 7.95	+16 47.1	2.388	3.377	1.3	20.1
11 17	2 59.89	+16 14.4	2.406	3.388	2.2	20.2
11 27	2 52.43	+15 43.5	2.454	3.400	5.6	20.5
12 7	2 46.26	+15 17.8	2.530	3.411	8.6	20.7
12 17	2 41.84	+14 59.7	2.631	3.422	11.2	20.9
134800 2000 EJ_{31}		11 10.9 303°.98 7°.6/ 6.2 18				
10 8	3 28.71	− 0 16.6	1.708	2.563	14.2	19.5
10 18	3 23.86	− 1 20.8	1.639	2.551	11.2	19.3
10 28	3 16.79	− 2 18.3	1.593	2.539	8.7	19.1
11 7	3 8.28	− 3 1.8	1.573	2.527	7.7	19.0
11 17	2 59.34	− 3 25.3	1.578	2.516	9.1	19.1
11 27	2 51.11	− 3 24.8	1.609	2.504	11.9	19.2
12 7	2 44.58	− 2 59.9	1.663	2.493	15.0	19.4
12 17	2 40.40	− 2 12.8	1.737	2.482	17.8	19.6
75847 2000 BD_{35}		11 10.9 3°.99 5°.2/ 8.6 18				
10 8	3 30.91	+ 5 32.4	1.479	2.343	15.5	18.7
10 18	3 25.70	+ 5 10.9	1.418	2.342	11.7	18.5
10 28	3 17.95	+ 4 53.7	1.380	2.343	7.8	18.3
11 7	3 8.61	+ 4 45.6	1.366	2.343	5.2	18.2
11 17	2 58.87	+ 4 50.8	1.378	2.345	6.7	18.3
11 27	2 50.05	+ 5 12.0	1.417	2.347	10.4	18.5
12 7	2 43.26	+ 5 49.6	1.479	2.349	14.2	18.7
12 17	2 39.16	+ 6 42.2	1.562	2.352	17.6	18.9
299224 2005 JG_{93}		11 10.9 253°.27 1°.6/11.9 18				
10 8	3 31.56	+23 24.7	2.117	2.941	13.0	21.3
10 18	3 25.88	+23 18.8	2.022	2.924	10.0	21.1
10 28	3 18.01	+23 1.7	1.950	2.907	6.4	20.9
11 7	3 8.65	+22 33.7	1.905	2.890	2.7	20.6
11 17	2 58.74	+21 56.9	1.890	2.872	2.7	20.6
11 27	2 49.40	+21 15.5	1.904	2.854	6.5	20.8
12 7	2 41.62	+20 34.6	1.945	2.835	10.3	21.0
12 17	2 36.11	+19 59.4	2.011	2.816	13.7	21.2

409091 2003 SG_{340} 11 10.9 57°.09 1°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.92	+22 36.7	2.191	3.015	12.6	20.9
10 18	3 25.17	+22 54.8	2.117	3.020	9.6	20.8
10 28	3 17.44	+23 4.1	2.068	3.025	6.1	20.6
11 7	3 8.45	+23 4.4	2.046	3.030	2.7	20.3
11 17	2 59.10	+22 57.1	2.054	3.035	2.7	20.4
11 27	2 50.43	+22 44.8	2.091	3.041	6.0	20.6
12 7	2 43.28	+22 31.5	2.155	3.046	9.4	20.8
12 17	2 38.26	+22 20.8	2.244	3.051	12.3	21.0

241203 2007 TE_{27} 11 10.9 89°.68 0°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.53	+18 36.3	1.779	2.622	14.2	20.8
10 18	3 25.79	+18 15.9	1.717	2.634	10.5	20.5
10 28	3 17.83	+17 46.7	1.679	2.645	6.3	20.3
11 7	3 8.55	+17 11.2	1.668	2.657	1.8	20.1
11 17	2 59.01	+16 33.3	1.685	2.668	2.9	20.2
11 27	2 50.38	+15 57.9	1.730	2.679	7.2	20.5
12 7	2 43.60	+15 29.7	1.802	2.690	11.1	20.7
12 17	2 39.24	+15 11.9	1.897	2.701	14.4	21.0

167173 2003 SN_{258} 11 10.9 150°.47 2°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.37	+13 2.0	2.111	2.955	12.3	20.6
10 18	3 24.59	+12 10.8	2.045	2.963	9.0	20.4
10 28	3 16.99	+11 15.3	2.005	2.971	5.5	20.2
11 7	3 8.29	+10 19.6	1.992	2.977	2.5	20.0
11 17	2 59.40	+ 9 28.1	2.010	2.984	4.0	20.2
11 27	2 51.23	+ 8 45.7	2.056	2.990	7.4	20.4
12 7	2 44.58	+ 8 15.6	2.130	2.995	10.7	20.6
12 17	2 39.96	+ 7 59.7	2.227	3.000	13.5	20.8

332201 2006 DZ_{154} 11 10.9 288°.47 0°.9/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.32	+17 1.5	2.216	3.058	11.8	21.2
10 18	3 22.59	+16 24.7	2.118	3.035	8.8	20.9
10 28	3 15.96	+15 40.0	2.046	3.013	5.3	20.7
11 7	3 8.06	+14 50.2	2.001	2.989	1.6	20.4
11 17	2 59.70	+13 59.0	1.985	2.966	2.9	20.5
11 27	2 51.83	+13 11.3	1.999	2.943	6.8	20.7
12 7	2 45.28	+12 31.5	2.040	2.920	10.4	20.8
12 17	2 40.70	+12 3.0	2.105	2.896	13.6	21.0

517141 2013 JK_{60} 11 10.9 108°.22 4°.3/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.35	+ 3 59.8	2.364	3.207	11.2	21.1
10 18	3 23.63	+ 3 32.4	2.306	3.218	8.5	20.9
10 28	3 16.33	+ 3 8.6	2.274	3.229	5.8	20.8
11 7	3 8.11	+ 2 52.0	2.269	3.239	4.3	20.7
11 17	2 59.72	+ 2 45.4	2.294	3.250	5.3	20.8
11 27	2 51.98	+ 2 50.8	2.348	3.260	7.8	21.0
12 7	2 45.55	+ 3 9.0	2.428	3.270	10.4	21.2
12 17	2 40.90	+ 3 39.4	2.532	3.280	12.7	21.3

33763 1999 RB_{84} 11 10.9 220°.65 3°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.88	+29 42.0	2.337	3.134	12.8	18.5
10 18	3 25.98	+30 4.7	2.251	3.130	10.1	18.3
10 28	3 18.00	+30 14.4	2.188	3.126	7.2	18.1
11 7	3 8.64	+30 9.7	2.152	3.121	4.6	17.9
11 17	2 58.82	+29 51.2	2.145	3.117	4.1	17.9
11 27	2 49.61	+29 21.6	2.168	3.112	6.3	18.0
12 7	2 41.94	+28 46.0	2.218	3.107	9.3	18.2
12 17	2 36.45	+28 9.5	2.293	3.102	12.1	18.4

433576 2013 YC_{29} 11 10.9 18°.67 6°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.55	+ 4 39.7	1.166	2.043	17.8	20.1
10 18	3 25.82	+ 3 59.3	1.118	2.048	13.6	19.9
10 28	3 18.16	+ 3 24.8	1.090	2.054	9.3	19.7
11 7	3 8.68	+ 3 3.3	1.085	2.061	6.7	19.6
11 17	2 58.87	+ 3 0.7	1.104	2.068	8.3	19.7
11 27	2 50.27	+ 3 20.2	1.147	2.077	12.3	19.9
12 7	2 44.11	+ 4 1.5	1.212	2.087	16.4	20.2
12 17	2 41.04	+ 5 1.6	1.295	2.097	19.9	20.5

378129 2006 VB_{16} 11 10.9 54°.73 1°.3/11.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.98	+21 6.0	1.146	2.003	19.5	20.8
10 18	3 30.47	+21 6.2	1.111	2.032	14.5	20.6
10 28	3 20.80	+20 52.2	1.095	2.061	8.9	20.4
11 7	3 9.37	+20 25.9	1.103	2.090	3.0	20.1
11 17	2 57.92	+19 52.0	1.136	2.120	3.5	20.2
11 27	2 48.17	+19 17.5	1.195	2.150	8.9	20.7
12 7	2 41.29	+18 49.3	1.278	2.180	13.6	21.0
12 17	2 37.81	+18 32.3	1.381	2.210	17.5	21.3

211320 2002 SJ_{54} 11 10.9 11°.38 1°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.54	+17 43.6	1.392	2.259	16.1	19.8
10 18	3 22.62	+16 44.6	1.332	2.261	11.9	19.5
10 28	3 16.15	+15 33.9	1.294	2.265	7.0	19.3
11 7	3 8.11	+14 17.2	1.280	2.269	2.2	19.0
11 17	2 59.74	+13 1.8	1.293	2.274	4.1	19.1
11 27	2 52.38	+11 56.1	1.331	2.280	9.0	19.4
12 7	2 47.10	+11 6.4	1.394	2.287	13.4	19.7
12 17	2 44.50	+10 36.1	1.478	2.294	17.2	20.0

12656 5170 $T\text{-}_3$ 11 10.9 241°.18 5°.3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.20	+ 4 23.7	2.102	2.951	12.2	18.7
10 18	3 23.88	+ 3 20.0	2.024	2.939	9.3	18.5
10 28	3 16.68	+ 2 17.7	1.971	2.926	6.6	18.3
11 7	3 8.25	+ 1 22.4	1.946	2.912	5.3	18.2
11 17	2 59.46	+ 0 39.4	1.949	2.899	6.6	18.3
11 27	2 51.24	+ 0 12.9	1.980	2.884	9.5	18.4
12 7	2 44.43	+ 0 5.1	2.036	2.870	12.5	18.6
12 17	2 39.63	+ 0 15.9	2.114	2.855	15.1	18.7

229002 2003 WN_{169} 11 10.9 350°.94 11°.9/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.45	−14 50.1	1.699	2.512	16.2	18.7
10 18	3 27.29	−15 10.2	1.641	2.504	14.1	18.6
10 28	3 18.79	−15 7.4	1.604	2.496	12.5	18.5
11 7	3 8.85	−14 35.1	1.589	2.490	11.9	18.4
11 17	2 58.60	−13 30.2	1.599	2.485	12.6	18.4
11 27	2 49.26	−11 53.6	1.633	2.481	14.4	18.6
12 7	2 41.84	− 9 50.7	1.690	2.478	16.6	18.7
12 17	2 36.95	− 7 28.4	1.768	2.476	18.8	18.9

236460 2006 EY_{64} 11 10.9 132°.71 0°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.71	+17 27.9	2.166	3.000	12.4	22.0
10 18	3 25.53	+16 52.7	2.102	3.015	9.1	21.8
10 28	3 17.53	+16 10.3	2.063	3.029	5.4	21.6
11 7	3 8.47	+15 23.7	2.053	3.042	1.5	21.4
11 17	2 59.23	+14 36.6	2.073	3.054	2.7	21.5
11 27	2 50.78	+13 53.6	2.123	3.066	6.5	21.8
12 7	2 43.88	+13 18.6	2.201	3.078	9.9	22.0
12 17	2 39.04	+12 54.3	2.303	3.089	12.8	22.2

340308 2006 DH_1 11 10.9 352°.45 29°.8/11.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.29	−33 0.4	0.784	1.601	29.8	19.7
10 18	3 23.15	−36 8.8	0.778	1.593	29.9	19.7
10 28	3 17.00	−38 13.0	0.781	1.586	30.3	19.7
11 7	3 8.40	−38 59.3	0.792	1.581	31.1	19.7
11 17	2 59.42	−38 23.1	0.812	1.579	32.0	19.8
11 27	2 52.21	−36 28.2	0.838	1.578	33.0	19.9
12 7	2 48.20	−33 27.4	0.872	1.579	34.0	20.0
12 17	2 47.99	−29 35.5	0.912	1.582	35.0	20.1

324831 2007 JU_1 11 10.9 140°.70 1°.6/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.09	+22 38.1	2.665	3.478	11.0	21.1
10 18	3 25.71	+22 57.6	2.590	3.486	8.3	21.0
10 28	3 17.64	+23 9.5	2.540	3.494	5.3	20.8
11 7	3 8.52	+23 13.8	2.519	3.502	2.3	20.6
11 17	2 59.11	+23 11.2	2.528	3.510	2.3	20.6
11 27	2 50.26	+23 3.9	2.569	3.517	5.2	20.8
12 7	2 42.71	+22 55.0	2.639	3.524	8.1	21.0
12 17	2 36.99	+22 47.5	2.734	3.530	10.7	21.2

170130 2003 AH_{19} 11 10.9 247°.92 5°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.48	+ 1 25.3	2.280	3.112	11.9	20.1
10 18	3 27.69	+ 1 16.2	2.194	3.097	9.3	19.9
10 28	3 18.96	+ 1 13.3	2.132	3.081	6.6	19.7
11 7	3 8.92	+ 1 19.9	2.099	3.065	5.0	19.6
11 17	2 58.45	+ 1 38.6	2.096	3.048	6.0	19.6
11 27	2 48.49	+ 2 11.1	2.123	3.031	8.7	19.7
12 7	2 39.93	+ 2 57.3	2.177	3.014	11.7	19.9
12 17	2 33.38	+ 3 55.9	2.255	2.996	14.3	20.1

427870 2005 QJ_{131} 11 10.9 178°.37 1°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.53	+22 30.7	1.922	2.746	14.1	21.9
10 18	3 28.84	+22 33.8	1.845	2.748	10.7	21.7
10 28	3 19.77	+22 26.1	1.791	2.749	6.8	21.5
11 7	3 9.16	+22 7.7	1.764	2.750	2.7	21.2
11 17	2 58.12	+21 40.8	1.767	2.750	2.8	21.2
11 27	2 47.89	+21 9.4	1.800	2.749	6.9	21.5
12 7	2 39.52	+20 38.9	1.860	2.748	10.8	21.7
12 17	2 33.67	+20 14.2	1.943	2.746	14.1	21.9

422994 2003 SB_{122} 11 10.9 36°.51 6°.3/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.10	+30 41.4	1.112	1.952	21.2	20.3
10 18	3 29.13	+31 13.7	1.061	1.963	16.8	20.1
10 28	3 20.45	+31 21.0	1.027	1.975	12.0	19.9
11 7	3 9.40	+31 0.3	1.015	1.988	7.6	19.7
11 17	2 57.86	+30 13.5	1.026	2.001	6.6	19.7
11 27	2 47.91	+29 9.1	1.062	2.015	9.9	19.9
12 7	2 41.07	+27 59.3	1.120	2.030	14.3	20.2
12 17	2 38.06	+26 54.9	1.198	2.045	18.4	20.5

115163 2003 SN_{76} 11 10.9 55°.70 0°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.84	+19 36.3	2.035	2.874	12.9	19.6
10 18	3 23.58	+19 20.0	1.976	2.890	9.5	19.4
10 28	3 16.43	+18 55.4	1.941	2.905	5.7	19.2
11 7	3 8.18	+18 24.6	1.933	2.921	1.7	19.0
11 17	2 59.73	+17 50.7	1.953	2.937	2.4	19.1
11 27	2 52.07	+17 18.0	2.003	2.953	6.3	19.3
12 7	2 46.00	+16 50.4	2.080	2.969	9.8	19.6
12 17	2 42.01	+16 31.1	2.181	2.986	12.7	19.8

28543 Solis–Gozar 11 10.9 212°.91 3°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.20	+12 12.7	1.667	2.522	14.5	19.0
10 18	3 25.75	+11 17.8	1.596	2.519	10.7	18.8
10 28	3 17.95	+10 17.8	1.548	2.516	6.6	18.6
11 7	3 8.66	+ 9 17.9	1.528	2.512	3.3	18.3
11 17	2 58.97	+ 8 24.1	1.535	2.508	5.1	18.5
11 27	2 50.12	+ 7 42.5	1.570	2.504	9.2	18.7
12 7	2 43.12	+ 7 17.1	1.630	2.500	13.1	18.9
12 17	2 38.64	+ 7 9.8	1.711	2.495	16.5	19.1

354428 2003 WH_{130} 11 10.9 353°.53 1°.3/11.3 18

10 8	3 28.51	+18 8.4	1.123	1.998	18.5	19.4
10 18	3 24.97	+18 50.1	1.056	1.988	14.0	19.1
10 28	3 18.07	+19 25.1	1.009	1.980	8.7	18.8
11 7	3 8.80	+19 52.5	0.985	1.973	3.0	18.4
11 17	2 58.69	+20 12.9	0.984	1.969	3.7	18.5
11 27	2 49.59	+20 29.2	1.008	1.966	9.5	18.8
12 7	2 43.09	+20 46.0	1.053	1.966	14.8	19.1
12 17	2 40.12	+21 7.4	1.118	1.967	19.3	19.4

122049 2000 GK_{112} 11 10.9 83°.02 0°.5/11.2 18

10 8	3 35.14	+19 40.8	1.537	2.380	16.1	19.3
10 18	3 28.69	+19 35.5	1.484	2.399	12.0	19.1
10 28	3 19.67	+19 19.9	1.453	2.418	7.2	18.9
11 7	3 9.12	+18 55.9	1.448	2.437	2.2	18.6
11 17	2 58.35	+18 26.9	1.471	2.455	3.0	18.7
11 27	2 48.75	+17 58.1	1.522	2.473	7.8	19.0
12 7	2 41.38	+17 34.8	1.599	2.491	12.0	19.3
12 17	2 36.84	+17 20.8	1.698	2.509	15.5	19.6

322173 2010 XJ_{25} 11 10.9 60°.92 0°.2/10.8 18

10 8	3 31.43	+16 45.2	2.029	2.869	12.9	20.0
10 18	3 25.59	+16 53.4	1.960	2.875	9.5	19.8
10 28	3 17.72	+16 56.4	1.915	2.881	5.7	19.6
11 7	3 8.58	+16 55.4	1.898	2.887	1.6	19.3
11 17	2 59.11	+16 52.3	1.910	2.893	2.6	19.4
11 27	2 50.35	+16 49.7	1.951	2.899	6.6	19.7
12 7	2 43.20	+16 50.7	2.019	2.905	10.2	19.9
12 17	2 38.24	+16 57.8	2.111	2.911	13.3	20.1

407204 2009 UQ_{150} 11 10.9 39°.18 0°.4/10.7 14 C

10 8	3 28.80	+17 37.3	1.838	2.686	13.7	21.3
10 18	3 23.71	+17 22.8	1.781	2.700	10.1	21.1
10 28	3 16.58	+17 1.3	1.747	2.714	6.0	20.9
11 7	3 8.24	+16 35.0	1.740	2.729	1.7	20.6
11 17	2 59.68	+16 7.4	1.761	2.744	2.8	20.7
11 27	2 51.96	+15 42.5	1.811	2.760	6.9	21.0
12 7	2 45.95	+15 24.3	1.887	2.776	10.6	21.3
12 17	2 42.19	+15 15.5	1.986	2.792	13.7	21.5

120561 1995 EJ_5 11 10.9 57°.71 4°.3/ 7.7 18

10 8	3 26.90	+ 6 44.5	2.088	2.942	12.0	19.8
10 18	3 22.02	+ 5 49.5	2.034	2.953	9.0	19.6
10 28	3 15.46	+ 4 55.7	2.004	2.965	6.0	19.4
11 7	3 7.91	+ 4 8.1	2.002	2.976	4.3	19.4
11 17	3 0.19	+ 3 31.0	2.029	2.988	5.6	19.5
11 27	2 53.19	+ 3 8.0	2.083	3.000	8.4	19.7
12 7	2 47.59	+ 3 0.8	2.163	3.012	11.2	19.9
12 17	2 43.89	+ 3 9.3	2.265	3.024	13.7	20.1

450955 2008 JX_{22} 11 10.9 69°.34 4°.9/ 7.7 18

10 8	3 28.76	+ 4 9.5	2.044	2.894	12.4	21.1
10 18	3 23.46	+ 3 29.4	1.984	2.900	9.4	20.9
10 28	3 16.36	+ 2 52.9	1.950	2.906	6.5	20.8
11 7	3 8.18	+ 2 24.6	1.942	2.912	4.9	20.7
11 17	2 59.78	+ 2 8.3	1.963	2.918	6.1	20.8
11 27	2 52.08	+ 2 6.9	2.011	2.924	8.9	20.9
12 7	2 45.86	+ 2 21.1	2.085	2.930	11.8	21.1
12 17	2 41.63	+ 2 50.4	2.181	2.936	14.3	21.3

72976 2002 CQ_{235} 11 10.9 107°.55 3°.6/ 9.2 18

10 8	3 36.74	+ 9 57.6	1.506	2.358	15.9	19.6
10 18	3 29.76	+ 9 28.2	1.456	2.377	11.7	19.4
10 28	3 20.25	+ 8 58.0	1.430	2.395	7.3	19.2
11 7	3 9.28	+ 8 31.5	1.429	2.413	3.8	19.0
11 17	2 58.14	+ 8 13.2	1.457	2.430	5.3	19.2
11 27	2 48.20	+ 8 7.0	1.512	2.446	9.4	19.5
12 7	2 40.47	+ 8 15.0	1.592	2.462	13.4	19.7
12 17	2 35.55	+ 8 37.2	1.693	2.477	16.7	20.0

294222 2007 UL_{14} 11 10.9 7°.20 3°.8/ 9.2 18

10 8	3 30.37	+ 9 13.4	1.441	2.307	15.7	19.5
10 18	3 25.39	+ 8 55.0	1.380	2.308	11.7	19.2
10 28	3 17.84	+ 8 36.9	1.341	2.309	7.3	19.0
11 7	3 8.65	+ 8 23.5	1.327	2.311	3.9	18.8
11 17	2 59.04	+ 8 18.9	1.339	2.314	5.5	18.9
11 27	2 50.39	+ 8 26.6	1.378	2.317	9.7	19.2
12 7	2 43.80	+ 8 48.6	1.440	2.321	13.9	19.4
12 17	2 39.95	+ 9 24.6	1.523	2.325	17.4	19.7

74456 1999 CN_{30} 11 10.9 347°.42 4°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.65	+ 6 16.2	2.253	3.104	11.4	18.7
10 18	3 21.84	+ 5 34.7	2.185	3.102	8.5	18.5
10 28	3 15.39	+ 4 54.7	2.142	3.101	5.7	18.4
11 7	3 7.92	+ 4 20.1	2.126	3.100	4.1	18.3
11 17	3 0.19	+ 3 54.7	2.139	3.100	5.3	18.3
11 27	2 53.05	+ 3 41.9	2.181	3.099	8.0	18.5
12 7	2 47.20	+ 3 43.0	2.248	3.098	10.8	18.7
12 17	2 43.15	+ 3 58.3	2.339	3.098	13.4	18.9

404743 2014 JN_{29} 11 10.9 280°.19 9°.3/ 5.5 18

10 8	3 31.33	− 5 29.1	1.741	2.583	14.6	20.5
10 18	3 25.83	− 6 29.9	1.672	2.568	12.1	20.3
10 28	3 18.03	− 7 19.0	1.625	2.552	10.0	20.1
11 7	3 8.72	− 7 48.9	1.602	2.537	9.3	20.1
11 17	2 58.94	− 7 53.8	1.605	2.522	10.6	20.1
11 27	2 49.87	− 7 30.8	1.633	2.506	13.0	20.2
12 7	2 42.53	− 6 41.0	1.684	2.491	15.9	20.4
12 17	2 37.59	− 5 28.0	1.754	2.476	18.5	20.5

429794 2012 HH_{39} 11 10.9 160°.81 2°.4/12.3 16

10 8	3 36.59	+24 49.9	1.819	2.639	15.0	22.0
10 18	3 29.72	+24 51.5	1.747	2.646	11.5	21.8
10 28	3 20.34	+24 39.4	1.697	2.652	7.5	21.6
11 7	3 9.36	+24 13.7	1.674	2.657	3.4	21.4
11 17	2 57.99	+23 36.7	1.680	2.662	3.2	21.4
11 27	2 47.55	+22 53.2	1.715	2.665	7.1	21.6
12 7	2 39.15	+22 9.8	1.778	2.669	11.1	21.9
12 17	2 33.44	+21 32.3	1.864	2.671	14.5	22.1

108508 2001 KD_{69} 11 10.9 82°.68 3°.8/ 8.8 18

10 8	3 32.36	+11 9.4	1.453	2.314	15.9	20.1
10 18	3 26.64	+10 12.2	1.403	2.328	11.7	19.9
10 28	3 18.44	+ 9 11.9	1.375	2.343	7.2	19.7
11 7	3 8.79	+ 8 14.8	1.374	2.357	3.9	19.5
11 17	2 58.95	+ 7 27.2	1.399	2.371	5.7	19.7
11 27	2 50.25	+ 6 54.8	1.451	2.385	9.8	19.9
12 7	2 43.67	+ 6 40.8	1.527	2.399	13.8	20.2
12 17	2 39.80	+ 6 45.4	1.624	2.413	17.1	20.5

332208 2006 EX_{69} 11 10.9 265°.67 3°.3/ 9.1 17

10 8	3 33.52	+ 5 42.9	2.455	3.289	11.1	21.0
10 18	3 26.94	+ 5 48.5	2.363	3.272	8.4	20.8
10 28	3 18.52	+ 5 57.6	2.296	3.254	5.5	20.6
11 7	3 8.87	+ 6 12.3	2.259	3.237	3.4	20.5
11 17	2 58.76	+ 6 34.3	2.252	3.219	4.4	20.5
11 27	2 49.09	+ 7 4.9	2.277	3.201	7.3	20.6
12 7	2 40.69	+ 7 44.8	2.329	3.183	10.4	20.8
12 17	2 34.16	+ 8 33.7	2.407	3.164	13.1	21.0

256576 2007 TJ_{154} 11 10.9 72°.23 4°.1/12.8 17

10 8	3 36.40	+26 24.6	1.294	2.132	18.9	20.5
10 18	3 30.51	+26 50.8	1.231	2.137	14.7	20.2
10 28	3 21.22	+26 59.1	1.188	2.143	9.9	20.0
11 7	3 9.70	+26 47.7	1.168	2.148	5.3	19.7
11 17	2 57.58	+26 18.1	1.174	2.154	4.8	19.7
11 27	2 46.73	+25 36.3	1.206	2.159	9.0	20.0
12 7	2 38.62	+24 51.6	1.261	2.165	13.6	20.3
12 17	2 34.06	+24 12.0	1.338	2.171	17.7	20.5

516904 2011 SP_{259} 11 10.9 90°.93 1°.5/10.4 18

10 8	3 38.93	+11 7.2	1.923	2.757	13.7	21.0
10 18	3 31.14	+11 42.8	1.858	2.770	10.2	20.8
10 28	3 21.07	+12 18.8	1.819	2.783	6.1	20.6
11 7	3 9.58	+12 55.4	1.808	2.796	2.1	20.4
11 17	2 57.77	+13 33.1	1.829	2.809	3.3	20.5
11 27	2 46.83	+14 12.6	1.879	2.821	7.3	20.8
12 7	2 37.75	+14 54.9	1.958	2.834	11.0	21.0
12 17	2 31.16	+15 40.9	2.062	2.846	14.1	21.2

7967 Beny 11 10.9 84°.46 2°.7/ 9.6 18

10 8	3 35.73	+13 49.7	1.311	2.171	17.3	17.7
10 18	3 29.26	+13 4.5	1.267	2.192	12.7	17.5
10 28	3 20.04	+12 13.6	1.245	2.214	7.6	17.2
11 7	3 9.26	+11 22.4	1.248	2.235	3.1	17.0
11 17	2 58.38	+10 37.4	1.278	2.256	4.9	17.2
11 27	2 48.88	+10 4.6	1.335	2.277	9.7	17.5
12 7	2 41.85	+ 9 47.9	1.415	2.297	14.0	17.9
12 17	2 37.82	+ 9 48.6	1.516	2.317	17.6	18.1

430583 2002 QK_{134} 11 10.9 65°.88 2°.7/ 9.7 17

10 8	3 34.13	+13 4.8	1.305	2.168	17.2	21.4
10 18	3 28.18	+12 33.9	1.259	2.186	12.6	21.1
10 28	3 19.45	+11 58.6	1.234	2.203	7.6	20.9
11 7	3 9.11	+11 23.6	1.234	2.221	3.1	20.7
11 17	2 58.59	+10 54.3	1.261	2.239	4.8	20.9
11 27	2 49.37	+10 35.9	1.314	2.257	9.6	21.2
12 7	2 42.56	+10 31.8	1.390	2.275	14.0	21.5
12 17	2 38.74	+10 43.1	1.487	2.293	17.6	21.8

487474 2014 SG_{172} 11 10.9 121°.97 0°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.56	+16 46.9	2.452	3.288	11.1	22.1
10 18	3 23.13	+16 22.4	2.384	3.298	8.1	21.9
10 28	3 16.11	+15 52.4	2.342	3.308	4.8	21.8
11 7	3 8.15	+15 19.1	2.328	3.317	1.4	21.5
11 17	3 0.00	+14 45.5	2.345	3.327	2.5	21.6
11 27	2 52.47	+14 15.0	2.392	3.336	5.8	21.9
12 7	2 46.23	+13 50.8	2.466	3.345	8.9	22.1
12 17	2 41.76	+13 35.2	2.566	3.353	11.5	22.3

213817 2003 QF_{24} 11 10.9 13°.13 6°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.58	+ 8 29.2	1.019	1.908	18.8	19.2
10 18	3 23.98	+ 7 2.7	0.972	1.910	14.1	18.9
10 28	3 17.23	+ 5 34.7	0.945	1.914	9.3	18.7
11 7	3 8.54	+ 4 16.1	0.940	1.918	6.6	18.6
11 17	2 59.46	+ 3 17.3	0.958	1.924	8.8	18.7
11 27	2 51.70	+ 2 46.2	0.998	1.931	13.3	19.0
12 7	2 46.50	+ 2 45.0	1.059	1.939	17.8	19.3
12 17	2 44.54	+ 3 11.5	1.137	1.948	21.6	19.6

105120 2000 LJ_{26} 11 10.9 190°.58 5°.8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.56	− 0 47.5	2.603	3.438	10.5	20.9
10 18	3 23.03	− 1 52.5	2.537	3.437	8.3	20.8
10 28	3 16.03	− 2 52.3	2.497	3.434	6.5	20.7
11 7	3 8.13	− 3 42.1	2.486	3.432	5.8	20.6
11 17	3 0.02	− 4 17.8	2.503	3.428	6.8	20.7
11 27	2 52.44	− 4 36.6	2.549	3.424	8.8	20.8
12 7	2 46.01	− 4 37.7	2.620	3.420	11.0	20.9
12 17	2 41.21	− 4 21.8	2.713	3.414	13.0	21.1

318333 2004 TT_{204} 11 10.9 55°.27 0°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.20	+19 30.0	1.476	2.327	16.2	19.9
10 18	3 26.70	+19 15.9	1.420	2.340	12.1	19.6
10 28	3 18.59	+18 51.1	1.386	2.353	7.3	19.4
11 7	3 8.89	+18 18.1	1.378	2.366	2.1	19.1
11 17	2 58.92	+17 41.0	1.396	2.380	3.1	19.2
11 27	2 50.06	+17 5.6	1.442	2.394	8.0	19.6
12 7	2 43.38	+16 37.5	1.512	2.408	12.4	19.8
12 17	2 39.51	+16 20.5	1.604	2.422	16.0	20.1

482753 2013 FO_{13} 11 10.9 320°.42 3°.8/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.00	+ 9 9.9	1.746	2.604	13.8	20.8
10 18	3 24.10	+ 8 32.9	1.674	2.597	10.3	20.5
10 28	3 16.99	+ 7 54.9	1.625	2.591	6.5	20.3
11 7	3 8.46	+ 7 20.5	1.603	2.584	3.9	20.1
11 17	2 59.52	+ 6 54.4	1.608	2.578	5.4	20.2
11 27	2 51.30	+ 6 41.0	1.641	2.572	9.1	20.4
12 7	2 44.78	+ 6 42.7	1.698	2.567	12.8	20.7
12 17	2 40.59	+ 7 0.1	1.777	2.562	16.0	20.9

112705 2002 PX_{107} 11 10.9 49°.74 0°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.38	+17 8.9	1.131	1.997	19.1	19.6
10 18	3 29.40	+17 3.9	1.092	2.020	14.1	19.4
10 28	3 20.28	+16 49.8	1.073	2.043	8.4	19.2
11 7	3 9.36	+16 29.3	1.078	2.067	2.3	18.9
11 17	2 58.31	+16 7.1	1.108	2.092	3.8	19.1
11 27	2 48.85	+15 48.9	1.164	2.117	9.3	19.5
12 7	2 42.15	+15 39.9	1.242	2.142	14.1	19.8
12 17	2 38.80	+15 42.9	1.341	2.168	18.0	20.2

180212 2003 UE_{1} 11 10.9 3°.06 5°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.95	+28 49.1	1.193	2.036	19.9	19.7
10 18	3 28.31	+29 19.7	1.129	2.035	15.7	19.5
10 28	3 20.09	+29 29.1	1.083	2.034	11.0	19.2
11 7	3 9.43	+29 14.3	1.058	2.035	6.7	19.0
11 17	2 58.04	+28 36.5	1.058	2.036	5.8	18.9
11 27	2 47.91	+27 42.5	1.083	2.037	9.6	19.1
12 7	2 40.64	+26 43.0	1.130	2.040	14.3	19.4
12 17	2 37.08	+25 48.1	1.197	2.043	18.5	19.7

357078 2001 RL_{117} 11 10.9 24°.06 2°.4/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.14	+23 26.2	1.394	2.244	17.1	20.6
10 18	3 25.43	+23 37.9	1.339	2.255	13.0	20.4
10 28	3 17.95	+23 35.4	1.305	2.267	8.3	20.1
11 7	3 8.75	+23 19.2	1.295	2.280	3.7	19.9
11 17	2 59.19	+22 52.2	1.311	2.294	3.5	19.9
11 27	2 50.75	+22 19.9	1.353	2.309	7.9	20.2
12 7	2 44.60	+21 49.0	1.419	2.324	12.3	20.5
12 17	2 41.39	+21 25.0	1.507	2.341	16.0	20.8

191266 2003 BG_{82} 11 10.9 238°.65 0°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.70	+20 8.8	1.776	2.615	14.5	21.0
10 18	3 27.00	+19 52.8	1.693	2.606	10.9	20.7
10 28	3 18.85	+19 26.3	1.632	2.596	6.7	20.4
11 7	3 9.04	+18 50.6	1.598	2.586	2.1	20.1
11 17	2 58.70	+18 9.3	1.593	2.576	2.8	20.2
11 27	2 49.10	+17 27.6	1.616	2.566	7.5	20.4
12 7	2 41.34	+16 51.2	1.665	2.555	11.8	20.7
12 17	2 36.16	+16 24.6	1.737	2.543	15.4	20.9

73936 Takeyamamoto 11 10.9 39°.97 1°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.72	+15 45.6	1.866	2.720	13.2	18.5
10 18	3 22.11	+14 46.5	1.812	2.735	9.7	18.3
10 28	3 15.62	+13 40.9	1.782	2.751	5.7	18.1
11 7	3 8.04	+12 33.2	1.779	2.767	2.1	17.9
11 17	3 0.33	+11 29.2	1.805	2.784	3.6	18.1
11 27	2 53.44	+10 34.3	1.859	2.801	7.4	18.3
12 7	2 48.16	+ 9 52.7	1.940	2.818	11.0	18.6
12 17	2 44.96	+ 9 26.5	2.042	2.836	13.9	18.8

10901 1997 WS_{21} 11 10.9 352°.93 2°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.14	+14 56.5	1.087	1.967	18.6	17.9
10 18	3 25.28	+14 14.3	1.027	1.962	13.8	17.6
10 28	3 18.16	+13 22.5	0.986	1.959	8.3	17.3
11 7	3 8.88	+12 27.1	0.968	1.956	3.1	17.0
11 17	2 59.01	+11 35.9	0.974	1.954	5.3	17.1
11 27	2 50.33	+10 57.1	1.004	1.954	10.9	17.4
12 7	2 44.25	+10 36.9	1.055	1.954	16.1	17.7
12 17	2 41.55	+10 37.4	1.124	1.955	20.5	18.0

21665 Frege 11 10.9 169°.69 1°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.15	+23 39.2	1.717	2.546	15.4	19.6
10 18	3 28.81	+23 29.0	1.644	2.549	11.7	19.4
10 28	3 19.89	+23 5.1	1.593	2.552	7.4	19.2
11 7	3 9.32	+22 28.2	1.569	2.554	3.0	18.9
11 17	2 58.34	+21 41.4	1.573	2.556	3.0	18.9
11 27	2 48.30	+20 50.6	1.606	2.557	7.4	19.2
12 7	2 40.31	+20 2.5	1.665	2.558	11.6	19.5
12 17	2 35.08	+19 22.8	1.747	2.558	15.2	19.7

282040 1998 QJ_{94} 11 10.9 49°.24 8°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.95	+39 34.7	1.572	2.347	18.9	19.6
10 18	3 30.00	+40 22.6	1.515	2.364	15.9	19.4
10 28	3 20.82	+40 44.1	1.478	2.381	12.7	19.3
11 7	3 9.60	+40 34.8	1.462	2.398	10.0	19.2
11 17	2 57.97	+39 54.4	1.471	2.416	8.8	19.2
11 27	2 47.69	+38 48.7	1.505	2.434	10.0	19.3
12 7	2 40.10	+37 28.1	1.564	2.453	12.5	19.5
12 17	2 35.90	+36 3.6	1.646	2.471	15.3	19.7

275637 2000 EF_{208} 11 10.9 250°.15 2°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.41	+10 39.5	2.636	3.480	10.1	21.4
10 18	3 21.58	+ 9 49.2	2.549	3.466	7.5	21.2
10 28	3 15.25	+ 8 56.1	2.488	3.452	4.7	21.0
11 7	3 7.98	+ 8 3.8	2.456	3.437	2.7	20.8
11 17	3 0.40	+ 7 16.2	2.454	3.423	3.9	20.9
11 27	2 53.27	+ 6 36.9	2.482	3.408	6.7	21.0
12 7	2 47.23	+ 6 8.9	2.538	3.392	9.6	21.2
12 17	2 42.79	+ 5 53.7	2.617	3.377	12.1	21.4

132829 2002 RG_{4} 11 10.9 258°.49 4°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.21	+34 23.6	2.425	3.204	12.9	19.8
10 18	3 23.97	+34 14.9	2.338	3.202	10.4	19.6
10 28	3 16.80	+33 49.0	2.275	3.199	7.7	19.5
11 7	3 8.42	+33 5.4	2.237	3.196	5.3	19.3
11 17	2 59.74	+32 5.6	2.228	3.194	4.5	19.3
11 27	2 51.74	+30 54.2	2.248	3.191	6.2	19.4
12 7	2 45.25	+29 37.1	2.296	3.188	8.9	19.5
12 17	2 40.86	+28 21.0	2.370	3.185	11.5	19.7

239061 2006 FF_{32} 11 10.9 115°.88 0°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.87	+20 57.1	1.903	2.736	13.9	21.6
10 18	3 26.76	+20 45.7	1.838	2.748	10.4	21.4
10 28	3 18.49	+20 24.3	1.797	2.759	6.4	21.2
11 7	3 8.91	+19 54.4	1.783	2.771	2.1	20.9
11 17	2 59.06	+19 19.1	1.798	2.782	2.6	21.0
11 27	2 50.08	+18 42.9	1.842	2.792	6.7	21.3
12 7	2 42.90	+18 10.9	1.913	2.803	10.5	21.5
12 17	2 38.09	+17 46.9	2.008	2.813	13.7	21.7

517462 2014 OK_{389} 11 10.9 32°.97 1°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.11	+15 22.7	1.678	2.534	14.4	20.1
10 18	3 24.06	+15 9.4	1.630	2.553	10.5	19.9
10 28	3 16.86	+14 50.9	1.605	2.573	6.2	19.7
11 7	3 8.43	+14 30.0	1.605	2.594	1.9	19.4
11 17	2 59.82	+14 10.1	1.634	2.616	3.3	19.6
11 27	2 52.17	+13 55.3	1.690	2.638	7.5	19.9
12 7	2 46.35	+13 48.6	1.771	2.660	11.2	20.2
12 17	2 42.87	+13 52.1	1.876	2.683	14.4	20.4

411946 2012 GB_{36} 11 10.9 146°.08 1°.3/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.52	+21 51.4	2.493	3.314	11.4	20.5
10 18	3 24.73	+22 3.0	2.415	3.317	8.6	20.3
10 28	3 17.19	+22 6.9	2.363	3.320	5.4	20.1
11 7	3 8.54	+22 3.5	2.338	3.323	2.2	19.9
11 17	2 59.58	+21 53.9	2.344	3.326	2.3	19.9
11 27	2 51.18	+21 40.7	2.380	3.329	5.5	20.1
12 7	2 44.10	+21 27.3	2.444	3.331	8.6	20.3
12 17	2 38.91	+21 16.8	2.533	3.334	11.3	20.5

121579 1999 VO_{98} 11 10.9 288°.00 0°.4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.36	+19 25.7	2.149	2.985	12.4	20.3
10 18	3 24.13	+19 20.4	2.068	2.979	9.3	20.1
10 28	3 16.94	+19 7.5	2.010	2.974	5.7	19.8
11 7	3 8.49	+18 48.2	1.980	2.968	1.8	19.6
11 17	2 59.64	+18 24.8	1.979	2.963	2.4	19.6
11 27	2 51.40	+18 1.0	2.008	2.958	6.3	19.9
12 7	2 44.62	+17 40.6	2.064	2.952	9.9	20.1
12 17	2 39.91	+17 27.0	2.143	2.947	13.0	20.3

358207 2006 SP_{188} 11 10.9 40°.96 2°.2/ 9.5 18

10 8	3 29.17	+13 40.9	1.789	2.643	13.7	21.2
10 18	3 24.12	+13 1.7	1.723	2.646	10.1	20.9
10 28	3 16.96	+12 17.5	1.681	2.649	6.1	20.7
11 7	3 8.48	+11 32.4	1.666	2.653	2.5	20.5
11 17	2 59.70	+10 50.9	1.679	2.656	4.0	20.6
11 27	2 51.73	+10 18.2	1.719	2.660	8.0	20.9
12 7	2 45.45	+ 9 57.8	1.786	2.663	11.8	21.1
12 17	2 41.46	+ 9 51.7	1.874	2.667	15.0	21.3

170607 2003 YT_{38} 11 10.9 324°.00 1°.0/11.5 16

10 8	3 29.24	+20 54.5	1.503	2.355	15.9	20.7
10 18	3 24.90	+20 48.5	1.421	2.341	12.1	20.4
10 28	3 17.81	+20 30.5	1.361	2.327	7.5	20.1
11 7	3 8.81	+20 1.7	1.325	2.313	2.6	19.8
11 17	2 59.14	+19 25.3	1.316	2.300	3.1	19.8
11 27	2 50.24	+18 47.0	1.333	2.288	8.2	20.1
12 7	2 43.38	+18 13.3	1.375	2.276	12.9	20.3
12 17	2 39.40	+17 49.6	1.438	2.265	17.0	20.6

232182 2002 ET_{73} 11 10.9 170°.23 3°.3/12.9 18

10 8	3 34.54	+27 10.5	2.010	2.820	14.1	20.7
10 18	3 28.18	+27 26.3	1.932	2.823	11.0	20.5
10 28	3 19.47	+27 28.6	1.878	2.825	7.5	20.3
11 7	3 9.23	+27 16.5	1.850	2.827	4.2	20.1
11 17	2 58.56	+26 51.2	1.851	2.828	3.7	20.0
11 27	2 48.67	+26 16.4	1.881	2.829	6.8	20.2
12 7	2 40.58	+25 38.0	1.938	2.830	10.3	20.5
12 17	2 34.99	+25 1.7	2.020	2.830	13.4	20.7

516369 2017 DQ_{88} 11 10.9 151°.51 3°.4/ 8.8 18

10 8	3 30.05	+ 6 30.8	2.373	3.215	11.2	20.5
10 18	3 24.30	+ 6 18.4	2.303	3.217	8.4	20.3
10 28	3 16.90	+ 6 8.1	2.258	3.218	5.4	20.2
11 7	3 8.46	+ 6 2.7	2.242	3.220	3.4	20.0
11 17	2 59.77	+ 6 4.6	2.255	3.221	4.5	20.1
11 27	2 51.65	+ 6 15.9	2.298	3.222	7.3	20.3
12 7	2 44.84	+ 6 37.4	2.368	3.224	10.1	20.5
12 17	2 39.83	+ 7 9.3	2.462	3.225	12.7	20.6

226996 2004 XS_{74} 11 10.9 346°.62 9°.5/ 5.6 18

10 8	3 29.09	− 8 24.3	1.845	2.681	14.2	19.3
10 18	3 23.99	− 9 9.6	1.787	2.674	11.9	19.1
10 28	3 16.86	− 9 40.1	1.751	2.669	10.1	19.0
11 7	3 8.48	− 9 49.4	1.740	2.663	9.6	19.0
11 17	2 59.79	− 9 33.4	1.753	2.659	10.5	19.0
11 27	2 51.83	− 8 50.9	1.791	2.655	12.6	19.1
12 7	2 45.50	− 7 44.1	1.852	2.652	14.9	19.3
12 17	2 41.35	− 6 17.0	1.933	2.649	17.2	19.5

312344 2008 CO_{214} 11 10.9 354°.81 3°.9/ 8.4 18

10 8	3 28.44	+ 9 0.5	1.848	2.704	13.2	20.7
10 18	3 23.52	+ 8 10.1	1.781	2.704	9.8	20.5
10 28	3 16.59	+ 7 18.5	1.739	2.703	6.3	20.2
11 7	3 8.40	+ 6 30.7	1.723	2.703	3.9	20.1
11 17	2 59.90	+ 5 51.9	1.735	2.703	5.4	20.2
11 27	2 52.13	+ 5 26.4	1.775	2.702	8.8	20.4
12 7	2 45.97	+ 5 17.0	1.840	2.702	12.3	20.6
12 17	2 41.98	+ 5 24.1	1.927	2.703	15.2	20.8

481698 2008 BM_{9} 11 10.9 248°.65 2°.1/ 9.5 16

10 8	3 30.47	+12 7.0	2.345	3.185	11.4	22.5
10 18	3 24.83	+11 43.1	2.253	3.168	8.4	22.2
10 28	3 17.35	+11 16.3	2.185	3.150	5.2	22.0
11 7	3 8.65	+10 49.3	2.147	3.132	2.3	21.8
11 17	2 59.51	+10 25.1	2.138	3.114	3.6	21.9
11 27	2 50.84	+10 7.2	2.159	3.095	7.0	22.0
12 7	2 43.46	+ 9 58.2	2.208	3.075	10.3	22.2
12 17	2 37.97	+10 0.1	2.281	3.055	13.2	22.4

131070 2000 YY_{85} 11 10.9 209°.81 7°.2/ 6.3 18

10 8	3 31.56	− 2 24.3	2.047	2.885	12.9	19.8
10 18	3 25.65	− 3 17.9	1.981	2.881	10.3	19.6
10 28	3 17.82	− 4 3.2	1.940	2.876	8.1	19.5
11 7	3 8.77	− 4 34.6	1.925	2.870	7.2	19.4
11 17	2 59.42	− 4 47.5	1.937	2.865	8.4	19.5
11 27	2 50.74	− 4 39.3	1.977	2.858	10.7	19.6
12 7	2 43.56	− 4 10.1	2.041	2.852	13.3	19.8
12 17	2 38.47	− 3 22.2	2.125	2.844	15.7	20.0

473432 2015 WC_{5} 11 10.9 30°.55 1°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.91	+14 19.3	1.747	2.602	13.9	20.7
10 18	3 23.97	+13 54.5	1.686	2.609	10.2	20.5
10 28	3 16.90	+13 24.9	1.648	2.616	6.1	20.3
11 7	3 8.51	+12 53.8	1.636	2.624	2.2	20.0
11 17	2 59.85	+12 25.2	1.653	2.633	3.6	20.1
11 27	2 52.02	+12 3.5	1.697	2.641	7.7	20.4
12 7	2 45.92	+11 52.0	1.767	2.651	11.5	20.7
12 17	2 42.14	+11 52.6	1.859	2.660	14.8	20.9

460502 2014 SP_{317} 11 10.9 330°.57 8°.5/14.5 17

10 8	3 40.09	+37 36.2	2.063	2.820	15.5	20.8
10 18	3 33.13	+39 21.7	1.975	2.811	13.2	20.6
10 28	3 23.00	+40 52.2	1.910	2.802	10.8	20.4
11 7	3 10.44	+42 0.8	1.870	2.793	9.0	20.3
11 17	2 56.69	+42 42.6	1.856	2.785	8.5	20.3
11 27	2 43.41	+42 57.4	1.871	2.777	9.8	20.3
12 7	2 32.15	+42 50.1	1.911	2.770	12.0	20.4
12 17	2 24.02	+42 28.4	1.974	2.763	14.4	20.6

77921 2002 EA_{12} 11 10.9 163°.80 0°.9/10.5 18

10 8	3 35.90	+16 2.1	1.662	2.506	15.1	20.0
10 18	3 29.34	+15 49.5	1.594	2.510	11.2	19.8
10 28	3 20.23	+15 30.3	1.548	2.514	6.7	19.6
11 7	3 9.50	+15 6.8	1.529	2.518	2.0	19.3
11 17	2 58.37	+14 42.5	1.539	2.521	3.4	19.4
11 27	2 48.17	+14 21.8	1.577	2.523	8.1	19.7
12 7	2 40.00	+14 9.1	1.641	2.525	12.3	19.9
12 17	2 34.55	+14 7.3	1.728	2.526	15.8	20.2

46938 1998 SP_{71} 11 10.9 352°.69 0°.9/10.5 18

10 8	3 30.14	+16 42.5	1.688	2.540	14.5	19.0
10 18	3 25.08	+16 21.0	1.617	2.538	10.7	18.7
10 28	3 17.68	+15 52.1	1.569	2.537	6.4	18.5
11 7	3 8.77	+15 18.4	1.547	2.536	1.9	18.2
11 17	2 59.46	+14 44.0	1.553	2.536	3.3	18.3
11 27	2 50.96	+14 13.9	1.587	2.535	7.8	18.6
12 7	2 44.29	+13 52.7	1.646	2.535	11.9	18.8
12 17	2 40.12	+13 43.3	1.728	2.535	15.4	19.1

372793 2010 RA_{62} 11 10.9 331°.84 3°.8/12.3 18

10 8	3 34.27	+23 45.5	1.170	2.025	19.4	20.8
10 18	3 29.49	+24 30.4	1.099	2.016	15.1	20.5
10 28	3 21.01	+25 1.7	1.046	2.007	10.0	20.2
11 7	3 9.87	+25 16.5	1.016	1.999	5.1	19.9
11 17	2 57.71	+25 14.4	1.011	1.992	4.8	19.8
11 27	2 46.62	+24 59.6	1.030	1.986	9.8	20.1
12 7	2 38.32	+24 39.9	1.071	1.980	15.0	20.4
12 17	2 33.88	+24 23.3	1.132	1.975	19.5	20.6

326874 2003 UP_{314} 11 10.9 111°.94 0°.1/10.9 18

10 8	3 27.02	+20 39.7	2.396	3.229	11.4	20.7
10 18	3 22.12	+19 50.9	2.322	3.232	8.5	20.6
10 28	3 15.62	+18 52.6	2.272	3.236	5.1	20.4
11 7	3 8.14	+17 47.6	2.251	3.240	1.5	20.1
11 17	3 0.46	+16 40.1	2.260	3.243	2.2	20.2
11 27	2 53.40	+15 34.8	2.299	3.247	5.8	20.4
12 7	2 47.66	+14 36.6	2.367	3.250	9.0	20.6
12 17	2 43.70	+13 48.9	2.459	3.254	11.8	20.8

449772 2014 OV_{92} 11 10.9 124°.22 1°.6/ 9.7 18

10 8	3 28.43	+14 56.8	2.115	2.961	12.2	21.6
10 18	3 23.32	+14 13.6	2.046	2.965	9.0	21.4
10 28	3 16.40	+13 24.8	2.002	2.969	5.4	21.2
11 7	3 8.38	+12 33.9	1.985	2.972	2.0	21.0
11 17	3 0.11	+11 45.1	1.998	2.976	3.4	21.1
11 27	2 52.51	+11 3.1	2.039	2.979	7.0	21.3
12 7	2 46.38	+10 31.5	2.108	2.983	10.4	21.6
12 17	2 42.22	+10 12.7	2.200	2.986	13.3	21.8

217238 2003 HT_{5} 11 10.9 284°.35 6°.3/ 5.8 18

10 8	3 26.83	+ 2 39.9	2.000	2.855	12.5	20.1
10 18	3 22.26	+ 1 13.5	1.931	2.845	9.7	19.9
10 28	3 15.83	− 0 10.6	1.886	2.836	7.2	19.8
11 7	3 8.23	− 1 25.3	1.868	2.826	6.3	19.7
11 17	3 0.30	− 2 24.3	1.878	2.816	7.7	19.8
11 27	2 52.98	− 3 2.8	1.914	2.807	10.4	19.9
12 7	2 47.08	− 3 18.7	1.975	2.797	13.2	20.1
12 17	2 43.16	− 3 12.6	2.056	2.788	15.8	20.3

308833 2006 RC_{31} 11 10.9 352°.59 5°.6/13.7 18

10 8	3 28.71	+29 10.2	1.340	2.179	18.3	19.3
10 18	3 24.98	+29 50.7	1.268	2.171	14.6	19.0
10 28	3 18.09	+30 12.6	1.216	2.164	10.4	18.8
11 7	3 8.99	+30 12.8	1.185	2.159	6.7	18.5
11 17	2 59.11	+29 51.5	1.180	2.155	5.9	18.5
11 27	2 50.21	+29 13.5	1.199	2.152	9.1	18.7
12 7	2 43.74	+28 27.2	1.241	2.151	13.3	18.9
12 17	2 40.59	+27 41.7	1.304	2.151	17.2	19.1

147176 2002 VP_{43} 11 10.9 318.°47 4.°8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.07	+ 8 57.7	1.248	2.123	17.1	19.4
10 18	3 25.88	+ 8 23.0	1.172	2.104	12.9	19.1
10 28	3 18.61	+ 7 47.0	1.116	2.085	8.3	18.8
11 7	3 9.14	+ 7 15.8	1.084	2.066	4.9	18.6
11 17	2 58.85	+ 6 55.9	1.076	2.049	6.8	18.6
11 27	2 49.37	+ 6 53.2	1.092	2.032	11.6	18.8
12 7	2 42.16	+ 7 10.7	1.131	2.016	16.5	19.1
12 17	2 38.15	+ 7 48.6	1.188	2.001	20.7	19.3

381729 2009 RW_{18} 11 10.9 54.°41 1.°4/11.7 18

10 8	3 33.94	+22 13.3	1.246	2.100	18.5	20.7
10 18	3 28.35	+21 59.6	1.198	2.118	13.8	20.5
10 28	3 19.74	+21 30.7	1.171	2.136	8.6	20.3
11 7	3 9.35	+20 48.8	1.168	2.155	3.0	20.0
11 17	2 58.74	+19 59.0	1.190	2.175	3.4	20.1
11 27	2 49.54	+19 8.9	1.239	2.194	8.6	20.5
12 7	2 42.94	+18 26.3	1.312	2.214	13.3	20.8
12 17	2 39.54	+17 56.2	1.405	2.234	17.2	21.1

378557 2008 CY_{159} 11 10.9 334.°86 1.°3/10.3 18

10 8	3 30.22	+17 21.9	1.245	2.113	17.6	20.8
10 18	3 25.88	+16 43.0	1.177	2.107	13.1	20.5
10 28	3 18.49	+15 52.2	1.130	2.101	7.9	20.2
11 7	3 9.07	+14 53.9	1.107	2.096	2.4	19.9
11 17	2 59.06	+13 54.9	1.109	2.091	4.2	20.0
11 27	2 50.11	+13 3.6	1.136	2.087	9.8	20.3
12 7	2 43.54	+12 26.7	1.186	2.083	14.9	20.6
12 17	2 40.16	+12 8.5	1.256	2.080	19.1	20.9

304372 2006 SD_{376} 11 10.9 197.°73 1.°5/11.9 18

10 8	3 34.17	+21 40.7	2.274	3.093	12.4	21.6
10 18	3 27.68	+22 0.3	2.190	3.091	9.4	21.4
10 28	3 19.13	+22 12.0	2.131	3.088	6.0	21.2
11 7	3 9.22	+22 15.6	2.100	3.085	2.4	20.9
11 17	2 58.86	+22 12.0	2.099	3.081	2.5	20.9
11 27	2 49.10	+22 3.5	2.129	3.078	6.1	21.2
12 7	2 40.84	+21 54.0	2.187	3.073	9.5	21.4
12 17	2 34.73	+21 46.9	2.269	3.068	12.5	21.6

224101 2005 ON_{20} 11 10.9 134.°96 2.°6/12.5 18

10 8	3 35.63	+25 8.6	1.684	2.509	15.8	20.7
10 18	3 29.25	+25 13.3	1.615	2.517	12.1	20.5
10 28	3 20.24	+25 3.7	1.569	2.524	7.9	20.2
11 7	3 9.55	+24 39.4	1.549	2.532	3.8	20.0
11 17	2 58.46	+24 3.0	1.557	2.539	3.4	20.0
11 27	2 48.37	+23 19.7	1.593	2.545	7.4	20.3
12 7	2 40.41	+22 36.3	1.656	2.551	11.5	20.5
12 17	2 35.28	+21 58.8	1.742	2.557	15.0	20.8

279654 2011 FU_{5} 11 10.9 212.°16 2.°1/ 9.7 18

10 8	3 33.51	+12 59.2	1.945	2.788	13.2	21.4
10 18	3 27.35	+12 33.6	1.865	2.781	9.8	21.2
10 28	3 18.99	+12 3.9	1.809	2.774	6.0	21.0
11 7	3 9.20	+11 33.3	1.780	2.767	2.4	20.7
11 17	2 58.96	+11 5.4	1.781	2.759	3.9	20.8
11 27	2 49.41	+10 44.4	1.812	2.750	7.8	21.0
12 7	2 41.50	+10 33.7	1.868	2.740	11.6	21.3
12 17	2 35.91	+10 35.3	1.948	2.730	14.9	21.5

333630 2008 FX_{15} 11 10.9 113.°79 2.°5/ 9.5 16

10 8	3 35.41	+12 2.1	1.805	2.649	14.1	21.9
10 18	3 28.54	+11 30.7	1.753	2.670	10.3	21.7
10 28	3 19.53	+10 56.6	1.725	2.690	6.3	21.5
11 7	3 9.30	+10 23.4	1.724	2.710	2.8	21.3
11 17	2 58.94	+ 9 55.2	1.753	2.729	4.2	21.5
11 27	2 49.58	+ 9 36.0	1.811	2.747	8.0	21.7
12 7	2 42.09	+ 9 28.5	1.895	2.764	11.6	22.0
12 17	2 37.02	+ 9 33.8	2.002	2.781	14.6	22.2

185986 2001 NA_{11} 11 10.9 94.°51 0.°1/11.0 18

10 8	3 35.44	+19 4.2	1.591	2.433	15.7	21.1
10 18	3 28.91	+18 48.6	1.537	2.453	11.6	20.9
10 28	3 19.90	+18 23.3	1.506	2.472	7.0	20.7
11 7	3 9.43	+17 50.6	1.502	2.490	2.0	20.4
11 17	2 58.76	+17 14.4	1.525	2.509	3.0	20.5
11 27	2 49.23	+16 40.2	1.577	2.527	7.7	20.9
12 7	2 41.85	+16 13.0	1.655	2.545	11.8	21.1
12 17	2 37.21	+15 56.6	1.755	2.562	15.3	21.4

326572 2002 QD_{22} 11 10.9 98.°09 4.°3/ 8.5 16

10 8	3 33.09	+ 9 59.3	1.480	2.340	15.7	21.6
10 18	3 27.22	+ 8 56.3	1.430	2.354	11.6	21.3
10 28	3 18.91	+ 7 51.4	1.402	2.367	7.4	21.1
11 7	3 9.15	+ 6 51.0	1.400	2.381	4.4	21.0
11 17	2 59.20	+ 6 1.8	1.425	2.394	6.1	21.1
11 27	2 50.35	+ 5 29.3	1.477	2.407	10.0	21.4
12 7	2 43.60	+ 5 16.3	1.553	2.419	13.9	21.7
12 17	2 39.54	+ 5 22.8	1.650	2.432	17.2	21.9

318551 2005 GL_{37} 11 10.9 235.°42 2.°8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.35	+28 38.5	2.106	2.914	13.6	20.6
10 18	3 25.80	+28 12.5	2.014	2.904	10.7	20.4
10 28	3 18.08	+27 29.9	1.946	2.894	7.2	20.2
11 7	3 8.95	+26 31.1	1.905	2.884	3.8	20.0
11 17	2 59.41	+25 19.0	1.893	2.873	3.2	19.9
11 27	2 50.57	+23 59.4	1.911	2.862	6.4	20.1
12 7	2 43.40	+22 39.5	1.956	2.851	10.0	20.3
12 17	2 38.52	+21 26.1	2.027	2.839	13.3	20.5

412832 2014 PB_{46} 11 10.9 349.°63 0.°1/10.9 18

10 8	3 28.52	+19 0.0	1.998	2.840	13.0	21.2
10 18	3 23.61	+18 37.1	1.923	2.838	9.6	21.0
10 28	3 16.71	+18 5.7	1.872	2.837	5.8	20.8
11 7	3 8.54	+17 27.9	1.847	2.836	1.7	20.5
11 17	3 0.04	+16 47.4	1.852	2.835	2.6	20.6
11 27	2 52.21	+16 8.6	1.885	2.835	6.7	20.8
12 7	2 45.94	+15 36.1	1.945	2.834	10.4	21.1
12 17	2 41.82	+15 13.3	2.029	2.834	13.6	21.3

232926 2005 AN_{34} 11 10.9 246.°80 1.°9/12.6 17

10 8	3 28.49	+25 20.5	2.525	3.339	11.5	21.0
10 18	3 23.35	+25 10.9	2.436	3.332	8.8	20.8
10 28	3 16.47	+24 50.4	2.371	3.324	5.8	20.6
11 7	3 8.48	+24 19.6	2.334	3.315	2.8	20.4
11 17	3 0.14	+23 40.6	2.326	3.307	2.5	20.4
11 27	2 52.32	+22 56.8	2.348	3.299	5.4	20.6
12 7	2 45.80	+22 12.8	2.399	3.290	8.6	20.8
12 17	2 41.11	+21 32.8	2.475	3.282	11.3	20.9

264393 2000 ET_{9} 11 10.9 73.°06 10.°7/20.6 17

10 8	3 41.09	+51 50.8	2.425	3.081	15.8	19.9
10 18	3 33.80	+53 9.8	2.356	3.092	14.3	19.8
10 28	3 23.29	+54 5.4	2.306	3.103	12.7	19.7
11 7	3 10.53	+54 31.8	2.277	3.114	11.4	19.7
11 17	2 57.00	+54 26.1	2.271	3.125	10.7	19.6
11 27	2 44.45	+53 49.9	2.289	3.137	10.8	19.7
12 7	2 34.34	+52 49.7	2.332	3.148	11.7	19.7
12 17	2 27.58	+51 34.2	2.396	3.159	13.0	19.9

267053 1998 SD_{98} 11 10.9 342.°43 5.°4/13.8 17

10 8	3 32.47	+30 20.3	1.850	2.658	15.2	19.6
10 18	3 27.16	+31 14.3	1.768	2.650	12.3	19.4
10 28	3 19.18	+31 54.0	1.707	2.643	9.0	19.2
11 7	3 9.34	+32 16.3	1.672	2.637	6.2	19.0
11 17	2 58.78	+32 19.9	1.664	2.631	5.6	19.0
11 27	2 48.91	+32 7.1	1.683	2.626	7.9	19.1
12 7	2 40.95	+31 43.5	1.728	2.621	11.2	19.3
12 17	2 35.73	+31 15.8	1.796	2.617	14.3	19.5

424557 2008 FK_{36} 11 10.9 192.°90 0.°8/11.4 17

10 8	3 35.16	+20 43.7	1.839	2.670	14.4	22.3
10 18	3 28.76	+20 34.4	1.760	2.668	10.8	22.0
10 28	3 19.93	+20 14.8	1.705	2.666	6.7	21.8
11 7	3 9.51	+19 45.9	1.676	2.664	2.2	21.5
11 17	2 58.62	+19 10.6	1.677	2.660	2.7	21.5
11 27	2 48.53	+18 33.7	1.707	2.656	7.2	21.8
12 7	2 40.32	+18 0.6	1.763	2.652	11.3	22.0
12 17	2 34.67	+17 35.9	1.844	2.646	14.8	22.3

274773 2008 UV_{348} 11 10.9 39.°48 0.°6/11.8 18

10 8	3 21.90	+21 27.5	4.244	5.062	7.1	21.7
10 18	3 17.86	+21 20.4	4.162	5.063	5.3	21.6
10 28	3 12.91	+21 8.4	4.106	5.064	3.3	21.4
11 7	3 7.42	+20 52.5	4.079	5.066	1.2	21.3
11 17	3 1.77	+20 33.8	4.084	5.067	1.3	21.3
11 27	2 56.41	+20 14.0	4.119	5.068	3.4	21.4
12 7	2 51.73	+19 55.0	4.184	5.070	5.4	21.6
12 17	2 48.05	+19 38.5	4.276	5.071	7.1	21.7

377012 2002 QJ_{130} 11 10.9 235.°66 3.°9/ 8.9 18

10 8	3 33.78	+ 9 25.1	1.620	2.474	14.9	20.8
10 18	3 27.92	+ 8 50.4	1.545	2.466	11.2	20.6
10 28	3 19.51	+ 8 14.4	1.493	2.458	7.1	20.3
11 7	3 9.41	+ 7 41.5	1.466	2.449	4.0	20.1
11 17	2 58.77	+ 7 16.9	1.468	2.439	5.6	20.2
11 27	2 48.92	+ 7 5.2	1.497	2.430	9.7	20.4
12 7	2 41.00	+ 7 9.2	1.551	2.420	13.8	20.7
12 17	2 35.75	+ 7 29.6	1.625	2.409	17.3	20.9

328099 2008 AW_{17} 11 10.9 120.°23 2.°1/ 9.8 17

10 8	3 34.01	+14 30.0	1.504	2.358	15.8	21.0
10 18	3 28.05	+13 52.9	1.444	2.366	11.7	20.8
10 28	3 19.51	+13 9.3	1.407	2.375	7.0	20.5
11 7	3 9.37	+12 23.5	1.395	2.383	2.6	20.3
11 17	2 58.92	+11 41.1	1.411	2.390	4.3	20.4
11 27	2 49.53	+11 7.7	1.454	2.398	8.9	20.7
12 7	2 42.27	+10 47.6	1.523	2.405	13.2	21.0
12 17	2 37.79	+10 43.2	1.612	2.411	16.8	21.2

517803 2015 PG_{314} 11 10.9 51°.05 6°.1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.65	+ 4 46.1	1.742	2.602	13.7	20.9
10 18	3 22.94	+ 3 15.2	1.692	2.612	10.4	20.7
10 28	3 16.26	+ 1 46.9	1.667	2.623	7.4	20.5
11 7	3 8.42	+ 0 28.7	1.668	2.633	6.1	20.5
11 17	3 0.40	− 0 32.6	1.696	2.644	7.6	20.6
11 27	2 53.21	− 1 12.0	1.751	2.655	10.5	20.8
12 7	2 47.69	− 1 28.1	1.829	2.666	13.5	21.0
12 17	2 44.33	− 1 21.9	1.928	2.677	16.1	21.2

211371 2002 TH_{268} 11 10.9 38°.54 2°.7/12.7 18

10 8	3 31.16	+25 42.4	1.685	2.516	15.5	19.5
10 18	3 25.97	+25 40.5	1.617	2.521	11.9	19.3
10 28	3 18.29	+25 23.5	1.572	2.527	7.8	19.1
11 7	3 9.05	+24 51.8	1.551	2.533	3.8	18.8
11 17	2 59.43	+24 8.5	1.558	2.540	3.4	18.8
11 27	2 50.73	+23 18.9	1.593	2.547	7.2	19.1
12 7	2 44.04	+22 29.9	1.654	2.554	11.2	19.3
12 17	2 39.98	+21 47.5	1.738	2.561	14.7	19.6

113593 2002 TT_{49} 11 10.9 18°.71 0°.3/10.9 18

10 8	3 31.14	+16 44.5	1.415	2.275	16.3	18.9
10 18	3 26.18	+16 52.3	1.356	2.280	12.1	18.7
10 28	3 18.52	+16 53.5	1.318	2.287	7.3	18.4
11 7	3 9.13	+16 49.5	1.306	2.295	2.1	18.1
11 17	2 59.32	+16 43.1	1.319	2.303	3.3	18.2
11 27	2 50.54	+16 38.5	1.360	2.312	8.3	18.6
12 7	2 43.93	+16 39.5	1.424	2.323	12.8	18.9
12 17	2 40.18	+16 49.3	1.510	2.333	16.5	19.1

103403 2000 AG_{132} 11 10.9 342°.99 1°.7/10.1 18

10 8	3 30.21	+14 39.0	1.590	2.447	14.9	19.8
10 18	3 25.31	+14 18.0	1.519	2.443	11.1	19.5
10 28	3 17.94	+13 51.2	1.471	2.440	6.7	19.3
11 7	3 8.97	+13 22.1	1.448	2.437	2.3	19.0
11 17	2 59.54	+12 54.6	1.453	2.434	3.8	19.1
11 27	2 50.93	+12 33.7	1.485	2.431	8.4	19.4
12 7	2 44.22	+12 23.4	1.542	2.429	12.7	19.6
12 17	2 40.12	+12 26.0	1.620	2.428	16.3	19.9

523391 2017 DC_{56} 11 10.9 73°.53 0°.2/10.9 18

10 8	3 30.73	+16 59.3	2.199	3.036	12.1	21.1
10 18	3 25.07	+17 3.0	2.128	3.041	9.0	20.9
10 28	3 17.53	+17 1.6	2.081	3.046	5.4	20.7
11 7	3 8.82	+16 56.3	2.062	3.051	1.5	20.4
11 17	2 59.80	+16 49.0	2.073	3.056	2.4	20.5
11 27	2 51.42	+16 42.4	2.113	3.061	6.2	20.7
12 7	2 44.50	+16 39.4	2.181	3.066	9.6	21.0
12 17	2 39.59	+16 42.4	2.273	3.071	12.5	21.2

523743 2014 TA_{86} 11 10.9 39°.76 0°.0/10.6 18

10 8	3 7.97	+16 2.9	38.139	38.970	0.8	22.0
10 18	3 7.23	+15 59.3	38.061	38.972	0.6	22.0
10 28	3 6.42	+15 55.4	38.010	38.974	0.4	21.9
11 7	3 5.57	+15 51.4	37.988	38.977	0.1	21.9
11 17	3 4.70	+15 47.4	37.997	38.979	0.2	21.9
11 27	3 3.85	+15 43.6	38.036	38.981	0.4	21.9
12 7	3 3.06	+15 40.0	38.105	38.983	0.7	22.0
12 17	3 2.35	+15 36.9	38.201	38.985	0.9	22.0

330195 2006 DD_{115} 11 10.9 253°.07 1°.5/12.1 17

10 8	3 29.47	+23 3.3	2.444	3.265	11.6	21.2
10 18	3 24.15	+23 2.6	2.355	3.256	8.8	21.0
10 28	3 17.02	+22 52.8	2.290	3.246	5.6	20.8
11 7	3 8.70	+22 34.4	2.252	3.237	2.4	20.6
11 17	2 59.98	+22 8.9	2.245	3.227	2.3	20.6
11 27	2 51.78	+21 39.7	2.267	3.217	5.6	20.8
12 7	2 44.88	+21 10.7	2.317	3.207	8.9	21.0
12 17	2 39.88	+20 45.6	2.393	3.197	11.8	21.1

518376 2017 FE_{70} 11 10.9 193°.55 7°.6/ 3.3 18

10 8	3 26.00	− 6 27.8	2.534	3.364	10.9	20.8
10 18	3 21.29	− 7 58.3	2.479	3.363	9.1	20.7
10 28	3 15.14	− 9 19.8	2.450	3.362	7.9	20.6
11 7	3 8.12	−10 26.6	2.448	3.360	7.7	20.6
11 17	3 0.89	−11 13.9	2.473	3.359	8.7	20.7
11 27	2 54.19	−11 39.0	2.524	3.357	10.4	20.8
12 7	2 48.62	−11 41.8	2.598	3.356	12.2	20.9
12 17	2 44.65	−11 23.8	2.691	3.354	13.9	21.1

294638 2008 AW_{52} 11 10.9 358°.86 0°.2/10.9 18

10 8	3 29.61	+18 37.6	1.686	2.535	14.6	20.9
10 18	3 24.76	+18 16.8	1.615	2.534	10.9	20.6
10 28	3 17.57	+17 46.8	1.567	2.534	6.6	20.4
11 7	3 8.87	+17 9.9	1.545	2.533	1.9	20.1
11 17	2 59.77	+16 30.1	1.550	2.533	2.9	20.2
11 27	2 51.48	+15 52.8	1.583	2.534	7.6	20.5
12 7	2 45.03	+15 23.1	1.642	2.534	11.7	20.7
12 17	2 41.07	+15 4.6	1.723	2.535	15.3	20.9

66036 1998 QZ_{73} 11 10.9 78°.81 2°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.14	+26 38.8	2.235	3.047	12.8	18.3
10 18	3 25.20	+26 13.5	2.180	3.074	9.8	18.2
10 28	3 17.48	+25 35.1	2.149	3.100	6.4	18.0
11 7	3 8.78	+24 45.3	2.145	3.127	3.0	17.8
11 17	3 0.00	+23 47.3	2.172	3.153	2.6	17.9
11 27	2 52.09	+22 46.1	2.228	3.179	5.7	18.1
12 7	2 45.77	+21 47.3	2.312	3.204	8.8	18.3
12 17	2 41.50	+20 55.3	2.422	3.230	11.5	18.6

33820 2000 AB_{141} 11 10.9 76°.11 5°.2/15.0 18

10 8	3 33.48	+34 12.5	1.807	2.599	16.1	17.3
10 18	3 27.56	+34 4.0	1.745	2.616	13.0	17.2
10 28	3 19.15	+33 33.7	1.703	2.634	9.5	17.0
11 7	3 9.29	+32 41.1	1.687	2.651	6.3	16.8
11 17	2 59.24	+31 29.2	1.698	2.668	5.2	16.8
11 27	2 50.30	+30 4.7	1.738	2.685	7.4	17.0
12 7	2 43.48	+28 36.6	1.804	2.701	10.6	17.2
12 17	2 39.36	+27 13.1	1.894	2.718	13.6	17.4

343071 2009 CF_{56} 11 10.9 274°.81 3°.7/ 8.9 18

10 8	3 31.30	+ 8 38.3	1.852	2.704	13.4	20.7
10 18	3 25.89	+ 8 10.2	1.769	2.689	10.1	20.4
10 28	3 18.25	+ 7 41.7	1.710	2.674	6.5	20.2
11 7	3 9.09	+ 7 16.9	1.678	2.659	3.8	20.0
11 17	2 59.41	+ 6 59.8	1.674	2.644	5.2	20.1
11 27	2 50.35	+ 6 54.5	1.697	2.628	8.9	20.2
12 7	2 42.90	+ 7 3.0	1.747	2.613	12.6	20.4
12 17	2 37.77	+ 7 26.3	1.818	2.597	15.9	20.6

438556 2007 TF_{301} 11 10.9 42°.07 1°.0/11.5 18

10 8	3 31.57	+21 5.0	1.473	2.323	16.4	21.0
10 18	3 26.36	+20 56.4	1.418	2.336	12.2	20.7
10 28	3 18.54	+20 35.8	1.385	2.350	7.5	20.5
11 7	3 9.14	+20 5.1	1.377	2.365	2.6	20.2
11 17	2 59.46	+19 28.2	1.396	2.380	3.0	20.3
11 27	2 50.88	+18 50.8	1.441	2.395	7.8	20.6
12 7	2 44.47	+18 19.1	1.512	2.411	12.1	20.9
12 17	2 40.84	+17 57.3	1.604	2.427	15.7	21.2

410621 2008 PV_{21} 11 10.9 74°.59 2°.4/ 9.3 18

10 8	3 28.99	+11 3.0	2.222	3.068	11.7	20.6
10 18	3 23.58	+10 33.9	2.167	3.085	8.6	20.4
10 28	3 16.53	+10 3.4	2.137	3.102	5.2	20.2
11 7	3 8.52	+ 9 34.6	2.136	3.120	2.6	20.1
11 17	3 0.38	+ 9 10.8	2.163	3.137	3.8	20.2
11 27	2 52.93	+ 8 55.2	2.220	3.154	6.9	20.4
12 7	2 46.88	+ 8 49.6	2.304	3.171	9.9	20.7
12 17	2 42.69	+ 8 55.2	2.411	3.188	12.5	20.9

263782 2008 LH_{6} 11 10.9 27°.26 3°.6/ 9.2 18

10 8	3 31.12	+ 7 35.1	1.871	2.723	13.3	20.0
10 18	3 25.53	+ 7 25.3	1.808	2.727	9.9	19.8
10 28	3 17.88	+ 7 17.4	1.768	2.731	6.4	19.6
11 7	3 8.95	+ 7 14.8	1.755	2.736	3.7	19.5
11 17	2 59.71	+ 7 20.1	1.771	2.741	4.9	19.5
11 27	2 51.23	+ 7 35.8	1.815	2.747	8.3	19.8
12 7	2 44.39	+ 8 2.7	1.884	2.752	11.7	20.0
12 17	2 39.78	+ 8 40.8	1.976	2.758	14.7	20.2

41745 2000 VQ_{15} 11 10.9 194°.11 1°.0/10.5 18

10 8	3 33.11	+17 42.5	1.425	2.280	16.5	18.7
10 18	3 27.70	+17 6.6	1.357	2.280	12.3	18.5
10 28	3 19.49	+16 19.9	1.311	2.280	7.4	18.2
11 7	3 9.46	+15 26.1	1.290	2.279	2.2	17.9
11 17	2 58.96	+14 31.0	1.296	2.278	3.7	18.0
11 27	2 49.48	+13 41.7	1.329	2.278	8.9	18.3
12 7	2 42.23	+13 4.5	1.386	2.277	13.6	18.6
12 17	2 37.93	+12 43.2	1.464	2.276	17.5	18.8

515339 2013 AE_{143} 11 10.9 211°.23 1°.6/ 9.6 18

10 8	3 29.49	+15 47.0	2.325	3.163	11.5	22.0
10 18	3 24.08	+14 48.7	2.241	3.157	8.5	21.8
10 28	3 16.92	+13 43.2	2.184	3.150	5.1	21.6
11 7	3 8.67	+12 34.2	2.155	3.143	1.9	21.4
11 17	3 0.13	+11 26.3	2.157	3.135	3.3	21.5
11 27	2 52.16	+10 24.8	2.190	3.127	6.8	21.7
12 7	2 45.54	+ 9 33.9	2.250	3.118	10.1	21.9
12 17	2 40.80	+ 8 56.6	2.334	3.109	12.9	22.1

199956 2007 HK_{35} 11 11.0 140°.39 1°.1/11.7 18

10 8	3 34.71	+21 33.0	1.953	2.780	13.8	21.7
10 18	3 28.22	+21 29.6	1.884	2.790	10.4	21.5
10 28	3 19.52	+21 16.2	1.840	2.800	6.5	21.3
11 7	3 9.44	+20 53.5	1.822	2.809	2.4	21.0
11 17	2 59.05	+20 24.2	1.834	2.817	2.6	21.0
11 27	2 49.51	+19 52.4	1.875	2.825	6.6	21.3
12 7	2 41.76	+19 23.2	1.944	2.833	10.4	21.6
12 17	2 36.41	+19 0.5	2.036	2.839	13.6	21.8