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

223568 2004 FE_{22} 11 11.0 136°.08 0°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.43	+18 13.1	1.647	2.494	15.0	20.0
10 18	3 26.78	+17 25.5	1.582	2.500	11.1	19.8
10 28	3 18.74	+16 27.5	1.539	2.506	6.6	19.5
11 7	3 9.22	+15 22.9	1.523	2.512	1.9	19.2
11 17	2 59.40	+14 17.6	1.535	2.517	3.4	19.4
11 27	2 50.53	+13 18.4	1.575	2.522	8.0	19.7
12 7	2 43.63	+12 31.0	1.642	2.527	12.2	19.9
12 17	2 39.31	+11 59.1	1.730	2.531	15.7	20.2

32287 2000 PF_{26} 11 11.0 284°.14 2°.7/ 9.8 18

10 8	3 33.73	+10 55.6	1.625	2.478	14.9	18.1
10 18	3 28.05	+10 49.3	1.542	2.464	11.2	17.8
10 28	3 19.73	+10 41.9	1.483	2.449	6.9	17.5
11 7	3 9.58	+10 36.3	1.449	2.435	3.1	17.2
11 17	2 58.76	+10 35.7	1.444	2.421	4.6	17.3
11 27	2 48.64	+10 43.7	1.465	2.407	9.0	17.5
12 7	2 40.41	+11 2.6	1.513	2.393	13.4	17.8
12 17	2 34.89	+11 33.6	1.581	2.379	17.1	18.0

324295 2006 DT_{55} 11 11.0 72°.75 1°.9/12.3 18

10 8	3 30.75	+23 31.3	2.242	3.063	12.5	20.9
10 18	3 25.15	+23 42.4	2.169	3.069	9.5	20.7
10 28	3 17.64	+23 44.0	2.119	3.075	6.1	20.5
11 7	3 8.90	+23 36.1	2.097	3.081	2.8	20.3
11 17	2 59.84	+23 20.2	2.105	3.086	2.6	20.3
11 27	2 51.43	+22 59.5	2.141	3.092	5.9	20.6
12 7	2 44.51	+22 37.9	2.206	3.098	9.2	20.8
12 17	2 39.65	+22 19.3	2.295	3.104	12.1	21.0

411537 2011 BF_{115} 11 11.0 168°.65 7°.4/ 4.5 18

10 8	3 27.45	− 8 8.6	2.682	3.502	10.7	21.0
10 18	3 22.26	− 9 7.6	2.628	3.504	9.0	20.9
10 28	3 15.70	− 9 56.3	2.599	3.506	7.7	20.8
11 7	3 8.31	−10 30.2	2.597	3.508	7.4	20.8
11 17	3 0.75	−10 46.0	2.622	3.510	8.2	20.9
11 27	2 53.71	−10 41.7	2.673	3.511	9.8	21.0
12 7	2 47.79	−10 18.1	2.749	3.512	11.5	21.1
12 17	2 43.43	− 9 37.0	2.845	3.513	13.1	21.3

101509 1998 XN_{20} 11 11.0 241°.86 2°.6/12.9 18

10 8	3 31.06	+26 55.4	2.143	2.956	13.3	20.7
10 18	3 25.61	+26 45.1	2.053	2.947	10.3	20.5
10 28	3 18.03	+26 20.8	1.987	2.937	6.9	20.2
11 7	3 9.04	+25 42.8	1.947	2.927	3.5	20.0
11 17	2 59.61	+24 53.2	1.937	2.917	3.1	20.0
11 27	2 50.83	+23 56.7	1.956	2.907	6.3	20.2
12 7	2 43.63	+22 59.2	2.002	2.896	9.9	20.4
12 17	2 38.66	+22 6.5	2.073	2.885	13.1	20.5

14760 6595 P–L 11 11.0 123°.65 0°.7/10.6 18

10 8	3 34.01	+17 37.4	1.765	2.606	14.4	19.1
10 18	3 27.75	+17 8.3	1.704	2.619	10.7	18.9
10 28	3 19.23	+16 31.0	1.666	2.632	6.4	18.7
11 7	3 9.35	+15 48.3	1.655	2.644	1.8	18.4
11 17	2 59.23	+15 4.6	1.673	2.656	3.1	18.5
11 27	2 50.07	+14 25.1	1.720	2.667	7.5	18.8
12 7	2 42.80	+13 54.4	1.794	2.677	11.4	19.1
12 17	2 38.01	+13 35.8	1.890	2.688	14.7	19.4

508891 2003 SR_{428} 11 11.0 71°.92 4°.1/ 7.9 16

10 8	3 30.56	+12 14.1	1.621	2.479	14.7	21.1
10 18	3 25.11	+10 28.8	1.576	2.500	10.7	21.0
10 28	3 17.56	+ 8 38.9	1.555	2.522	6.7	20.8
11 7	3 8.85	+ 6 52.7	1.562	2.543	4.1	20.7
11 17	3 0.08	+ 5 18.7	1.598	2.565	5.9	20.8
11 27	2 52.37	+ 4 3.8	1.661	2.586	9.5	21.1
12 7	2 46.54	+ 3 12.0	1.750	2.607	13.0	21.4
12 17	2 43.07	+ 2 43.6	1.859	2.628	16.0	21.6

89136 2001 US_{16} 11 11.0 153°.80 2°.2/10.3 17 A

10 8	3 56.08	+17 48.7	0.770	1.632	26.0	21.9
10 18	3 46.31	+16 52.3	0.724	1.649	19.5	21.6
10 28	3 31.27	+15 37.7	0.695	1.664	11.7	21.2
11 7	3 12.92	+14 11.1	0.688	1.676	3.6	20.9
11 17	2 54.21	+12 44.5	0.704	1.686	6.2	21.1
11 27	2 38.24	+11 33.0	0.744	1.693	13.9	21.5
12 7	2 27.00	+10 47.0	0.805	1.697	20.6	21.9
12 17	2 21.11	+10 30.0	0.881	1.699	25.8	22.3

241081 2006 UF_{30} 11 11.0 107°.43 1°.2/11.8 18

10 8	3 31.86	+21 36.4	1.961	2.793	13.6	21.0
10 18	3 26.18	+21 36.5	1.889	2.797	10.2	20.8
10 28	3 18.34	+21 26.9	1.840	2.801	6.4	20.6
11 7	3 9.14	+21 8.3	1.819	2.805	2.4	20.3
11 17	2 59.56	+20 43.0	1.826	2.809	2.6	20.3
11 27	2 50.75	+20 15.1	1.862	2.813	6.5	20.6
12 7	2 43.62	+19 49.1	1.925	2.817	10.3	20.8
12 17	2 38.82	+19 29.2	2.011	2.821	13.5	21.0

438722 2008 SZ_{217} 11 11.0 34°.21 6°.2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.98	+ 4 15.4	1.330	2.198	16.7	19.8
10 18	3 26.68	+ 3 40.5	1.284	2.208	12.7	19.6
10 28	3 18.75	+ 3 11.7	1.259	2.220	8.7	19.4
11 7	3 9.24	+ 2 55.1	1.258	2.232	6.3	19.3
11 17	2 59.49	+ 2 55.4	1.283	2.245	7.7	19.4
11 27	2 50.88	+ 3 15.1	1.332	2.258	11.3	19.7
12 7	2 44.48	+ 3 54.1	1.405	2.272	15.0	20.0
12 17	2 40.90	+ 4 49.7	1.497	2.287	18.3	20.2

212875 2007 VM_{188} 11 11.0 71°.41 2°.5/ 9.7 18

10 8	3 33.50	+14 30.2	1.262	2.128	17.5	20.8
10 18	3 28.07	+13 45.2	1.208	2.136	13.0	20.5
10 28	3 19.71	+12 52.7	1.174	2.144	7.8	20.3
11 7	3 9.54	+11 58.2	1.165	2.153	3.0	20.0
11 17	2 59.03	+11 8.5	1.182	2.161	4.9	20.2
11 27	2 49.75	+10 30.7	1.225	2.170	10.0	20.5
12 7	2 42.90	+10 9.6	1.290	2.178	14.6	20.8
12 17	2 39.16	+10 7.1	1.376	2.187	18.5	21.0

440773 2006 HN_{38} 11 11.0 208°.34 1°.4/10.1 18

10 8	3 32.34	+14 19.4	2.222	3.059	12.0	22.5
10 18	3 26.31	+13 57.0	2.139	3.053	8.9	22.3
10 28	3 18.35	+13 30.1	2.081	3.047	5.4	22.1
11 7	3 9.14	+13 1.2	2.052	3.040	1.9	21.8
11 17	2 59.56	+12 33.3	2.053	3.032	3.1	21.9
11 27	2 50.56	+12 10.1	2.083	3.023	6.8	22.1
12 7	2 43.00	+11 54.8	2.141	3.014	10.3	22.3
12 17	2 37.47	+11 49.8	2.223	3.005	13.3	22.5

414959 2011 BS_{122} 11 11.0 167°.68 3°.4/13.8 17

10 8	3 30.23	+30 0.4	2.640	3.432	11.6	21.3
10 18	3 24.63	+30 8.1	2.558	3.434	9.2	21.1
10 28	3 17.28	+30 3.2	2.499	3.436	6.5	21.0
11 7	3 8.82	+29 45.5	2.468	3.438	4.1	20.8
11 17	3 0.05	+29 15.9	2.467	3.439	3.5	20.8
11 27	2 51.85	+28 37.5	2.495	3.440	5.5	20.9
12 7	2 44.99	+27 54.8	2.551	3.441	8.2	21.1
12 17	2 40.01	+27 12.3	2.633	3.442	10.7	21.3

267908 2004 CJ_{10} 11 11.0 329°.48 3°.3/12.2 18

10 8	3 28.25	+22 59.9	1.046	1.917	19.9	20.6
10 18	3 25.52	+23 30.9	0.964	1.891	15.5	20.3
10 28	3 19.02	+23 47.5	0.901	1.867	10.3	19.9
11 7	3 9.57	+23 47.5	0.858	1.844	4.8	19.5
11 17	2 58.77	+23 31.4	0.838	1.822	4.6	19.4
11 27	2 48.77	+23 4.5	0.841	1.801	10.4	19.7
12 7	2 41.55	+22 35.7	0.864	1.783	16.4	19.9
12 17	2 38.38	+22 13.7	0.904	1.766	21.7	20.2

208909 2002 TP_{239} 11 11.0 58°.62 4°.7/13.6 18

10 8	3 35.94	+29 6.5	1.640	2.454	16.6	19.9
10 18	3 29.59	+29 42.0	1.586	2.475	13.0	19.7
10 28	3 20.52	+30 0.4	1.553	2.496	9.1	19.6
11 7	3 9.78	+29 59.8	1.545	2.517	5.7	19.4
11 17	2 58.73	+29 41.3	1.565	2.538	5.0	19.4
11 27	2 48.82	+29 9.4	1.612	2.560	7.7	19.6
12 7	2 41.19	+28 31.4	1.684	2.581	11.2	19.9
12 17	2 36.48	+27 54.2	1.780	2.603	14.4	20.1

459678 2013 LJ_{33} 11 11.0 109°.00 2°.1/13.0 18

10 8	3 29.61	+27 45.9	2.490	3.295	11.9	20.8
10 18	3 24.04	+27 10.5	2.420	3.309	9.1	20.6
10 28	3 16.83	+26 21.7	2.375	3.324	6.0	20.5
11 7	3 8.66	+25 21.3	2.357	3.337	3.0	20.3
11 17	3 0.37	+24 12.3	2.370	3.351	2.5	20.3
11 27	2 52.79	+22 59.7	2.414	3.365	5.3	20.5
12 7	2 46.62	+21 48.9	2.486	3.378	8.3	20.7
12 17	2 42.32	+20 44.9	2.585	3.391	11.0	20.9

513914 2014 AH_{25} 11 11.0 221°.05 1°.6/ 9.9 18

10 8	3 32.00	+15 5.3	2.053	2.893	12.7	22.4
10 18	3 26.21	+14 25.8	1.968	2.884	9.4	22.2
10 28	3 18.37	+13 39.8	1.909	2.875	5.7	22.0
11 7	3 9.17	+12 50.5	1.877	2.864	2.0	21.7
11 17	2 59.56	+12 2.1	1.875	2.853	3.5	21.8
11 27	2 50.57	+11 19.6	1.902	2.842	7.4	22.0
12 7	2 43.13	+10 47.4	1.956	2.829	11.1	22.2
12 17	2 37.85	+10 28.2	2.034	2.817	14.3	22.4

227274 2005 SX_{140} 11 11.0 90°.60 0°.5/10.8 17

10 8	3 35.70	+17 41.9	1.567	2.412	15.8	21.5
10 18	3 29.16	+17 24.8	1.516	2.433	11.6	21.3
10 28	3 20.13	+16 59.3	1.487	2.453	7.0	21.1
11 7	3 9.64	+16 28.0	1.484	2.473	2.0	20.9
11 17	2 58.98	+15 55.0	1.510	2.493	3.1	21.0
11 27	2 49.47	+15 25.4	1.563	2.512	7.9	21.3
12 7	2 42.11	+15 4.0	1.642	2.531	12.0	21.6
12 17	2 37.50	+14 53.8	1.744	2.549	15.4	21.9

108101 2001 FM_{188} 11 11.0 161°.56 1°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.65	+20 8.1	1.945	2.773	13.8	19.9
10 18	3 29.07	+20 32.1	1.870	2.776	10.4	19.6
10 28	3 20.16	+20 48.7	1.818	2.778	6.5	19.4
11 7	3 9.71	+20 57.5	1.794	2.780	2.4	19.2
11 17	2 58.78	+20 59.3	1.799	2.782	2.7	19.2
11 27	2 48.60	+20 57.0	1.834	2.784	6.8	19.4
12 7	2 40.19	+20 54.4	1.896	2.785	10.6	19.7
12 17	2 34.24	+20 55.0	1.982	2.786	13.9	19.9

303000 2003 WN_{60} 11 11.0 10°.79 1°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.66	+25 7.1	1.463	2.308	16.7	19.8
10 18	3 24.42	+24 31.0	1.396	2.309	12.7	19.6
10 28	3 17.52	+23 36.4	1.350	2.312	8.1	19.3
11 7	3 8.94	+22 25.8	1.329	2.315	3.3	19.1
11 17	2 59.99	+21 5.0	1.334	2.318	3.1	19.1
11 27	2 52.05	+19 42.5	1.366	2.322	7.8	19.4
12 7	2 46.25	+18 27.2	1.423	2.327	12.4	19.6
12 17	2 43.25	+17 25.8	1.503	2.333	16.2	19.9

90665 4299 $T\text{-}_3$ 11 11.0 308°.35 0°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.24	+16 8.7	1.338	2.199	17.0	18.7
10 18	3 28.33	+16 16.5	1.256	2.181	12.8	18.4
10 28	3 20.24	+16 18.0	1.195	2.164	7.8	18.1
11 7	3 9.84	+16 14.7	1.159	2.148	2.3	17.7
11 17	2 58.52	+16 9.2	1.148	2.131	3.7	17.8
11 27	2 47.97	+16 5.7	1.162	2.115	9.4	18.1
12 7	2 39.70	+16 9.2	1.201	2.100	14.6	18.3
12 17	2 34.70	+16 23.0	1.260	2.085	19.0	18.6

449721 2014 NU 11 11.0 86°.99 0°.1/11.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.11	+20 52.7	2.036	2.870	13.1	21.2
10 18	3 24.61	+20 5.0	1.976	2.887	9.7	21.0
10 28	3 17.24	+19 6.8	1.941	2.905	5.8	20.8
11 7	3 8.81	+18 1.5	1.934	2.922	1.7	20.6
11 17	3 0.24	+16 53.7	1.956	2.939	2.5	20.7
11 27	2 52.51	+15 49.2	2.008	2.956	6.4	21.0
12 7	2 46.40	+14 53.1	2.087	2.973	9.9	21.2
12 17	2 42.38	+14 9.1	2.190	2.989	12.9	21.4

49817 1999 XC_{58} 11 11.0 169°.51 0°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.67	+19 31.9	1.718	2.557	14.8	19.6
10 18	3 27.73	+18 58.0	1.646	2.560	11.1	19.4
10 28	3 19.37	+18 13.1	1.598	2.563	6.7	19.2
11 7	3 9.48	+17 20.0	1.576	2.565	1.9	18.9
11 17	2 59.23	+16 23.4	1.583	2.567	3.0	18.9
11 27	2 49.87	+15 29.4	1.619	2.568	7.6	19.2
12 7	2 42.45	+14 44.2	1.681	2.568	11.8	19.5
12 17	2 37.62	+14 11.8	1.766	2.568	15.4	19.7

305218 2007 WF_{59} 11 11.0 50°.22 0°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.33	+21 49.6	1.676	2.519	15.0	20.4
10 18	3 25.26	+21 20.4	1.612	2.526	11.3	20.1
10 28	3 17.86	+20 38.6	1.571	2.535	6.9	19.9
11 7	3 9.03	+19 46.7	1.555	2.543	2.3	19.6
11 17	2 59.91	+18 49.2	1.568	2.552	2.7	19.7
11 27	2 51.72	+17 52.5	1.608	2.561	7.3	20.0
12 7	2 45.44	+17 2.7	1.674	2.570	11.4	20.3
12 17	2 41.66	+16 24.6	1.763	2.579	14.8	20.5

384415 2009 WR_{176} 11 11.0 11°.58 2°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.72	+23 15.9	1.220	2.076	18.6	21.1
10 18	3 27.22	+23 28.5	1.158	2.078	14.2	20.8
10 28	3 19.47	+23 25.6	1.117	2.080	9.2	20.5
11 7	3 9.58	+23 7.3	1.098	2.083	4.0	20.3
11 17	2 59.10	+22 36.3	1.104	2.088	3.8	20.3
11 27	2 49.81	+21 59.2	1.135	2.093	8.9	20.6
12 7	2 43.09	+21 24.1	1.190	2.099	13.8	20.9
12 17	2 39.75	+20 57.4	1.265	2.106	18.0	21.2

320239 2007 JE_{32} 11 11.0 102°.87 2°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.04	+10 48.6	2.331	3.173	11.4	20.2
10 18	3 24.43	+10 37.1	2.264	3.180	8.4	20.1
10 28	3 17.14	+10 24.8	2.221	3.186	5.1	19.9
11 7	3 8.82	+10 13.9	2.207	3.192	2.4	19.7
11 17	3 0.25	+10 6.9	2.223	3.199	3.5	19.8
11 27	2 52.29	+10 6.3	2.269	3.205	6.6	20.0
12 7	2 45.66	+10 13.7	2.342	3.211	9.7	20.2
12 17	2 40.87	+10 30.3	2.438	3.217	12.3	20.4

399755 2005 JD_8 11 11.0 244°.91 0°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.47	+18 22.7	1.876	2.717	13.7	21.6
10 18	3 26.02	+18 10.7	1.799	2.714	10.2	21.4
10 28	3 18.34	+17 50.8	1.745	2.711	6.2	21.2
11 7	3 9.21	+17 24.7	1.719	2.707	1.8	20.9
11 17	2 59.65	+16 55.3	1.721	2.704	2.7	20.9
11 27	2 50.81	+16 27.2	1.751	2.701	7.1	21.2
12 7	2 43.67	+16 4.7	1.809	2.697	11.0	21.4
12 17	2 38.89	+15 51.3	1.889	2.694	14.4	21.6

514995 2009 KF_1 11 11.0 169°.86 3°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.38	+ 5 37.6	2.615	3.454	10.4	22.7
10 18	3 23.74	+ 4 47.9	2.548	3.458	7.8	22.6
10 28	3 16.64	+ 3 59.6	2.507	3.462	5.3	22.4
11 7	3 8.66	+ 3 16.5	2.495	3.466	3.9	22.3
11 17	3 0.49	+ 2 42.2	2.513	3.468	5.0	22.4
11 27	2 52.86	+ 2 19.8	2.561	3.470	7.4	22.6
12 7	2 46.39	+ 2 10.8	2.636	3.472	9.9	22.8
12 17	2 41.56	+ 2 15.5	2.734	3.472	12.1	22.9

149596 2004 CC_{96} 11 11.0 164°.60 2°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.90	+11 21.4	2.192	3.037	11.9	20.9
10 18	3 24.42	+10 39.0	2.123	3.040	8.8	20.7
10 28	3 17.17	+ 9 53.9	2.078	3.043	5.4	20.5
11 7	3 8.83	+ 9 9.9	2.062	3.046	2.8	20.4
11 17	3 0.24	+ 8 31.0	2.076	3.048	4.1	20.5
11 27	2 52.30	+ 8 1.1	2.119	3.050	7.3	20.7
12 7	2 45.76	+ 7 43.2	2.188	3.052	10.5	20.9
12 17	2 41.16	+ 7 38.4	2.281	3.053	13.3	21.1

523323 2017 BO_{138} 11 11.0 338°.54 2°.8/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.88	+27 28.9	1.950	2.771	14.1	21.0
10 18	3 24.15	+27 14.4	1.870	2.767	10.9	20.8
10 28	3 17.22	+26 44.3	1.812	2.763	7.4	20.5
11 7	3 8.88	+25 59.2	1.779	2.759	3.8	20.3
11 17	3 0.15	+25 2.0	1.775	2.756	3.3	20.3
11 27	2 52.15	+23 58.0	1.800	2.753	6.6	20.5
12 7	2 45.85	+22 54.1	1.851	2.750	10.2	20.7
12 17	2 41.87	+21 56.2	1.927	2.748	13.5	20.9

258531 2002 BG_8 11 11.0 338°.68 6°.6/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.16	+30 41.7	1.343	2.179	18.4	19.9
10 18	3 24.19	+31 29.2	1.256	2.155	15.0	19.6
10 28	3 17.96	+31 57.9	1.187	2.132	11.1	19.3
11 7	3 9.26	+32 3.5	1.141	2.110	7.6	19.1
11 17	2 59.47	+31 44.4	1.118	2.090	6.8	19.0
11 27	2 50.42	+31 4.4	1.119	2.071	9.7	19.1
12 7	2 43.75	+30 11.9	1.143	2.055	14.0	19.3
12 17	2 40.56	+29 16.9	1.187	2.040	18.2	19.5

68686 2002 CL_{145} 11 11.0 151°.24 2°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.94	+25 52.3	2.036	2.850	13.8	20.5
10 18	3 27.71	+25 48.8	1.963	2.858	10.6	20.3
10 28	3 19.28	+25 32.0	1.912	2.864	7.0	20.1
11 7	3 9.47	+25 2.3	1.889	2.870	3.4	19.9
11 17	2 59.33	+24 21.8	1.895	2.876	3.0	19.9
11 27	2 50.00	+23 35.3	1.930	2.881	6.4	20.1
12 7	2 42.42	+22 48.4	1.993	2.886	10.0	20.3
12 17	2 37.22	+22 6.5	2.081	2.890	13.1	20.6

33519 1999 GL_{36} 11 11.0 267°.04 3°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.98	+29 9.9	2.034	2.843	14.0	18.2
10 18	3 25.74	+29 5.4	1.946	2.834	11.0	18.0
10 28	3 18.22	+28 45.0	1.880	2.824	7.7	17.8
11 7	3 9.20	+28 8.1	1.840	2.815	4.5	17.6
11 17	2 59.70	+27 16.8	1.828	2.805	3.8	17.5
11 27	2 50.88	+26 15.9	1.845	2.796	6.7	17.7
12 7	2 43.76	+25 11.9	1.889	2.786	10.2	17.9
12 17	2 39.03	+24 11.6	1.958	2.776	13.5	18.1

317201 2002 AU_{126} 11 11.0 319°.09 1°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.74	+17 47.8	1.170	2.040	18.3	21.3
10 18	3 26.63	+17 13.9	1.099	2.029	13.7	21.0
10 28	3 19.24	+16 27.0	1.047	2.018	8.3	20.7
11 7	3 9.58	+15 31.1	1.019	2.008	2.5	20.3
11 17	2 59.14	+14 32.9	1.015	1.998	4.2	20.4
11 27	2 49.74	+13 41.0	1.036	1.989	10.2	20.7
12 7	2 42.86	+13 3.4	1.079	1.980	15.6	21.0
12 17	2 39.39	+12 44.9	1.141	1.972	20.2	21.3

38441 1999 SN_6 11 11.0 33°.99 5°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.97	+ 2 53.1	1.864	2.718	13.2	17.5
10 18	3 23.92	+ 2 9.4	1.809	2.725	10.2	17.3
10 28	3 16.93	+ 1 30.8	1.777	2.731	7.2	17.2
11 7	3 8.78	+ 1 2.5	1.772	2.738	5.7	17.1
11 17	3 0.40	+ 0 48.7	1.794	2.746	6.9	17.2
11 27	2 52.78	+ 0 52.2	1.843	2.753	9.7	17.4
12 7	2 46.73	+ 1 13.4	1.916	2.761	12.6	17.6
12 17	2 42.81	+ 1 51.0	2.011	2.769	15.3	17.8

511775 2015 DT_{229} 11 11.0 64°.55 14°.1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.02	−13 44.1	1.540	2.369	16.8	19.5
10 18	3 24.86	−16 37.9	1.526	2.389	15.0	19.4
10 28	3 17.50	−19 6.1	1.535	2.409	14.1	19.4
11 7	3 8.93	−20 57.5	1.567	2.429	14.4	19.5
11 17	3 0.28	−22 5.7	1.621	2.449	15.6	19.6
11 27	2 52.71	−22 29.7	1.695	2.469	17.2	19.8
12 7	2 47.08	−22 14.1	1.785	2.489	18.8	20.0
12 17	2 43.88	−21 25.9	1.890	2.509	20.2	20.2

189931 2003 SE_{202} 11 11.0 190°.75 6°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 26.30	− 0 23.1	2.335	3.180	11.2	19.9
10 18	3 21.66	− 1 59.7	2.276	3.180	8.9	19.8
10 28	3 15.48	− 3 31.5	2.243	3.180	7.1	19.7
11 7	3 8.36	− 4 52.0	2.237	3.179	6.6	19.7
11 17	3 1.02	− 5 55.7	2.260	3.179	7.8	19.7
11 27	2 54.25	− 6 38.7	2.309	3.178	9.9	19.9
12 7	2 48.69	− 6 59.7	2.383	3.177	12.2	20.0
12 17	2 44.84	− 6 59.6	2.478	3.177	14.2	20.2

73356 2002 JP_{146} 11 11.0 214°.95 3°.5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.85	+11 0.7	1.875	2.727	13.2	19.4
10 18	3 24.69	+ 9 55.2	1.803	2.724	9.8	19.2
10 28	3 17.48	+ 8 45.6	1.756	2.721	6.2	19.0
11 7	3 8.97	+ 7 37.4	1.736	2.717	3.6	18.8
11 17	3 0.13	+ 6 36.6	1.745	2.714	5.2	18.9
11 27	2 52.01	+ 5 48.7	1.781	2.710	8.7	19.1
12 7	2 45.49	+ 5 17.6	1.844	2.705	12.3	19.3
12 17	2 41.17	+ 5 4.6	1.928	2.701	15.3	19.5

441160 2007 TN_{262} 11 11.0 67°.29 0°.8/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.75	+19 37.8	1.632	2.476	15.3	21.0
10 18	3 26.73	+18 28.4	1.589	2.507	11.2	20.8
10 28	3 18.54	+17 8.3	1.570	2.537	6.6	20.6
11 7	3 9.22	+15 42.7	1.578	2.567	1.9	20.4
11 17	2 59.91	+14 18.6	1.615	2.597	3.2	20.5
11 27	2 51.78	+13 3.3	1.681	2.627	7.6	20.9
12 7	2 45.65	+12 2.6	1.773	2.657	11.5	21.2
12 17	2 41.99	+11 19.4	1.887	2.686	14.7	21.4

190308 1997 SZ_5 11 11.0 95°.83 0°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.98	+16 31.7	2.397	3.233	11.3	21.1
10 18	3 23.58	+16 6.0	2.335	3.248	8.3	21.0
10 28	3 16.60	+15 35.0	2.298	3.263	4.9	20.8
11 7	3 8.68	+15 1.1	2.289	3.278	1.5	20.6
11 17	3 0.60	+14 27.3	2.311	3.293	2.5	20.7
11 27	2 53.16	+13 57.0	2.363	3.307	5.9	20.9
12 7	2 47.05	+13 33.5	2.442	3.321	9.0	21.1
12 17	2 42.73	+13 18.8	2.546	3.335	11.6	21.4

104919 2000 JA_{18} 11 11.0 131°.86 2°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.14	+ 9 54.3	2.417	3.258	11.0	20.8
10 18	3 24.36	+ 9 5.8	2.358	3.273	8.1	20.6
10 28	3 17.03	+ 8 16.1	2.325	3.287	5.1	20.4
11 7	3 8.81	+ 7 29.0	2.320	3.301	3.0	20.3
11 17	3 0.44	+ 6 48.3	2.346	3.314	4.2	20.4
11 27	2 52.73	+ 6 17.3	2.402	3.326	7.0	20.6
12 7	2 46.32	+ 5 58.5	2.485	3.338	9.8	20.8
12 17	2 41.68	+ 5 52.6	2.591	3.350	12.2	21.0

197372 2003 XA_{35} 11 11.0 45°.41 8°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.49	+40 25.9	1.597	2.369	18.8	19.2
10 18	3 29.03	+40 50.7	1.533	2.380	15.8	19.1
10 28	3 20.44	+40 47.7	1.489	2.392	12.6	18.9
11 7	3 9.87	+40 13.2	1.466	2.403	9.8	18.8
11 17	2 58.91	+39 8.1	1.467	2.416	8.5	18.7
11 27	2 49.24	+37 38.8	1.495	2.428	9.6	18.8
12 7	2 42.17	+35 56.5	1.547	2.441	12.2	19.0
12 17	2 38.37	+34 12.6	1.623	2.454	15.2	19.2

391223 2006 JH_8 11 11.0 183°.45 0°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.23	+17 13.9	2.181	3.017	12.3	21.9
10 18	3 25.49	+16 32.3	2.104	3.017	9.1	21.7
10 28	3 17.87	+15 43.0	2.052	3.017	5.4	21.5
11 7	3 9.09	+14 49.1	2.028	3.017	1.6	21.2
11 17	3 0.01	+13 54.6	2.035	3.016	2.9	21.3
11 27	2 51.60	+13 4.5	2.071	3.014	6.7	21.6
12 7	2 44.67	+12 23.2	2.135	3.012	10.2	21.8
12 17	2 39.77	+11 53.6	2.223	3.009	13.1	22.0

46198 2001 FS_{147} 11 11.0 117°.92 0°.5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.43	+20 11.4	1.914	2.752	13.6	19.0
10 18	3 25.04	+19 7.7	1.846	2.760	10.1	18.8
10 28	3 17.62	+17 52.4	1.803	2.768	6.0	18.6
11 7	3 9.00	+16 29.5	1.787	2.776	1.7	18.3
11 17	3 0.17	+15 5.1	1.801	2.784	2.9	18.4
11 27	2 52.19	+13 45.8	1.845	2.791	7.1	18.7
12 7	2 45.89	+12 38.0	1.915	2.798	10.8	18.9
12 17	2 41.81	+11 45.4	2.010	2.805	14.0	19.2

117489 2005 CB_{16} 11 11.0 331°.02 0°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.28	+18 30.9	1.597	2.449	15.2	19.8
10 18	3 25.47	+18 5.5	1.524	2.444	11.3	19.6
10 28	3 18.17	+17 30.0	1.473	2.440	6.9	19.3
11 7	3 9.23	+16 47.3	1.447	2.436	2.0	19.0
11 17	2 59.80	+16 1.6	1.449	2.432	3.1	19.0
11 27	2 51.22	+15 19.1	1.478	2.429	8.0	19.3
12 7	2 44.55	+14 45.3	1.532	2.426	12.4	19.6
12 17	2 40.52	+14 24.2	1.608	2.423	16.1	19.8

119513 2001 UU_{138} 11 11.0 234°.34 0°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.62	+17 35.2	1.801	2.644	14.1	20.7
10 18	3 27.01	+17 8.1	1.719	2.635	10.6	20.4
10 28	3 19.03	+16 32.3	1.660	2.626	6.4	20.2
11 7	3 9.48	+15 50.4	1.628	2.617	1.9	19.9
11 17	2 59.42	+15 6.2	1.625	2.607	3.1	19.9
11 27	2 50.08	+14 25.3	1.650	2.597	7.7	20.2
12 7	2 42.52	+13 52.8	1.702	2.587	11.8	20.4
12 17	2 37.42	+13 32.3	1.776	2.576	15.4	20.6

225049 2007 GV_{24} 11 11.0 127°.01 0°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.45	+20 20.4	2.690	3.515	10.5	20.6
10 18	3 23.08	+19 45.3	2.621	3.528	7.8	20.5
10 28	3 16.26	+19 2.6	2.578	3.540	4.7	20.3
11 7	3 8.60	+18 14.4	2.564	3.552	1.4	20.1
11 17	3 0.78	+17 23.7	2.581	3.564	2.0	20.2
11 27	2 53.55	+16 34.3	2.628	3.575	5.2	20.4
12 7	2 47.53	+15 50.0	2.704	3.586	8.1	20.6
12 17	2 43.15	+15 13.7	2.806	3.596	10.6	20.8

227292 2005 SC_{206} 11 11.0 1°.12 3°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.51	+19 5.2	0.919	1.799	21.2	18.4
10 18	3 28.80	+20 43.6	0.862	1.795	16.3	18.1
10 28	3 21.00	+22 17.2	0.824	1.792	10.5	17.8
11 7	3 10.21	+23 40.4	0.806	1.792	4.9	17.5
11 17	2 58.33	+24 48.1	0.811	1.794	5.1	17.5
11 27	2 47.73	+25 40.1	0.839	1.798	10.7	17.9
12 7	2 40.36	+26 20.5	0.887	1.805	16.2	18.2
12 17	2 37.30	+26 55.5	0.953	1.814	20.9	18.5

438905 2009 WZ_{210} 11 11.0 326°.40 3°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.08	+10 28.0	1.376	2.239	16.5	20.5
10 18	3 27.88	+10 17.4	1.305	2.232	12.3	20.3
10 28	3 19.79	+10 6.0	1.257	2.225	7.7	20.0
11 7	3 9.74	+ 9 57.5	1.232	2.218	3.6	19.7
11 17	2 59.05	+ 9 56.1	1.234	2.211	5.2	19.8
11 27	2 49.27	+10 5.4	1.262	2.205	9.9	20.1
12 7	2 41.67	+10 28.0	1.314	2.200	14.5	20.3
12 17	2 37.09	+11 4.3	1.386	2.195	18.5	20.6

133606 2003 US_{99} 11 11.0 36°.33 4°.1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.24	+10 35.5	1.834	2.694	13.1	18.4
10 18	3 21.87	+ 8 58.3	1.784	2.709	9.7	18.3
10 28	3 15.68	+ 7 18.2	1.759	2.724	6.2	18.1
11 7	3 8.44	+ 5 42.5	1.762	2.740	4.2	18.0
11 17	3 1.06	+ 4 18.2	1.794	2.757	5.8	18.1
11 27	2 54.50	+ 3 11.5	1.853	2.774	9.0	18.4
12 7	2 49.50	+ 2 25.5	1.937	2.791	12.1	18.6
12 17	2 46.53	+ 2 0.9	2.043	2.809	14.8	18.8

301780 2010 JK_{153} 11 11.0 246°.10 0°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.36	+23 1.0	1.871	2.704	14.1	20.3
10 18	3 25.24	+22 6.1	1.788	2.697	10.6	20.1
10 28	3 17.89	+20 56.1	1.728	2.691	6.6	19.8
11 7	3 9.14	+19 33.9	1.696	2.684	2.1	19.5
11 17	3 0.00	+18 4.9	1.693	2.677	2.6	19.6
11 27	2 51.63	+16 36.8	1.719	2.669	7.1	19.8
12 7	2 44.99	+15 16.9	1.772	2.662	11.2	20.1
12 17	2 40.71	+14 10.9	1.849	2.654	14.7	20.3

513545 2010 JB_{122} 11 11.0 181°.64 1°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.15	+13 49.4	2.196	3.034	12.1	22.0
10 18	3 26.16	+13 25.8	2.120	3.035	8.9	21.8
10 28	3 18.29	+12 58.1	2.070	3.035	5.4	21.6
11 7	3 9.23	+12 29.0	2.048	3.035	2.0	21.4
11 17	2 59.86	+12 1.8	2.056	3.034	3.2	21.5
11 27	2 51.13	+11 39.9	2.094	3.033	6.9	21.7
12 7	2 43.86	+11 26.5	2.159	3.032	10.2	21.9
12 17	2 38.61	+11 23.4	2.248	3.029	13.2	22.1

254117 2004 NL_{33} 11 11.0 91°.74 5°.5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.00	+34 30.5	2.149	2.928	14.3	20.0
10 18	3 27.88	+34 59.0	2.079	2.939	11.7	19.8
10 28	3 19.47	+35 10.0	2.030	2.949	8.8	19.7
11 7	3 9.59	+35 1.7	2.007	2.960	6.4	19.6
11 17	2 59.34	+34 34.3	2.011	2.971	5.6	19.5
11 27	2 49.92	+33 51.5	2.044	2.981	7.2	19.7
12 7	2 42.32	+32 59.6	2.104	2.992	9.8	19.8
12 17	2 37.18	+32 5.3	2.189	3.002	12.4	20.0

25917 2001 DT_6 11 11.0 165°.29 2°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.55	+ 8 49.3	2.690	3.523	10.3	18.1
10 18	3 25.38	+ 8 48.3	2.615	3.526	7.6	18.0
10 28	3 17.69	+ 8 48.0	2.568	3.529	4.8	17.8
11 7	3 9.05	+ 8 50.3	2.549	3.532	2.5	17.6
11 17	3 0.16	+ 8 56.9	2.562	3.534	3.4	17.7
11 27	2 51.78	+ 9 9.5	2.605	3.536	6.2	17.9
12 7	2 44.57	+ 9 29.2	2.677	3.537	8.9	18.1
12 17	2 39.02	+ 9 56.5	2.774	3.539	11.3	18.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367866 2011 CO_{91}		11 11.0 215°.50	1°.1/11.9 17			
	h m	° ′			°	m
10 8	3 28.65	+22 51.3	2.715	3.533	10.6	21.9
10 18	3 23.41	+22 36.7	2.627	3.527	8.0	21.7
10 28	3 16.58	+22 13.3	2.564	3.521	5.1	21.5
11 7	3 8.74	+21 42.1	2.530	3.515	2.0	21.3
11 17	3 0.61	+21 5.1	2.525	3.509	2.0	21.3
11 27	2 52.96	+20 25.8	2.552	3.502	5.1	21.5
12 7	2 46.48	+19 47.9	2.607	3.495	8.1	21.7
12 17	2 41.69	+19 14.9	2.688	3.487	10.8	21.8
294778 2008 CL_{42}		11 11.0 24°.61	1°.2/10.2 18			
10 8	3 28.89	+16 50.6	1.804	2.654	13.8	20.7
10 18	3 24.09	+16 9.1	1.735	2.656	10.2	20.5
10 28	3 17.17	+15 19.6	1.691	2.659	6.1	20.2
11 7	3 8.93	+14 25.7	1.673	2.661	1.9	20.0
11 17	3 0.38	+13 32.2	1.683	2.664	3.3	20.1
11 27	2 52.61	+12 44.9	1.722	2.668	7.5	20.4
12 7	2 46.53	+12 8.3	1.786	2.671	11.4	20.6
12 17	2 42.72	+11 45.6	1.873	2.675	14.7	20.8
29297 1993 RU_{7}		11 11.1 305°.88	1°.1/11.7 18			
10 8	3 31.80	+21 37.1	1.518	2.364	16.1	18.2
10 18	3 26.86	+21 26.0	1.440	2.356	12.2	18.0
10 28	3 19.16	+21 1.9	1.385	2.349	7.6	17.7
11 7	3 9.58	+20 26.1	1.354	2.341	2.7	17.4
11 17	2 59.40	+19 42.0	1.350	2.334	3.0	17.4
11 27	2 50.08	+18 56.0	1.373	2.327	8.1	17.7
12 7	2 42.85	+18 14.8	1.421	2.320	12.7	17.9
12 17	2 38.51	+17 44.1	1.491	2.314	16.7	18.2
254992 2005 SZ_{280}		11 11.1 324°.30	2°.5/12.6 18			
10 8	3 31.24	+25 3.1	2.005	2.827	13.7	20.8
10 18	3 25.88	+25 12.4	1.926	2.825	10.5	20.5
10 28	3 18.32	+25 9.9	1.869	2.823	7.0	20.3
11 7	3 9.30	+24 55.4	1.839	2.821	3.4	20.1
11 17	2 59.83	+24 30.4	1.838	2.819	3.1	20.1
11 27	2 51.05	+23 58.7	1.865	2.817	6.5	20.3
12 7	2 43.93	+23 25.6	1.919	2.815	10.1	20.5
12 17	2 39.14	+22 55.9	1.997	2.813	13.3	20.7
80299 1999 XJ_{60}		11 11.1 18°.98	3°.4/ 9.8 18			
10 8	3 33.76	+10 33.5	1.233	2.102	17.6	18.7
10 18	3 28.48	+10 22.3	1.175	2.104	13.1	18.4
10 28	3 20.15	+10 10.2	1.139	2.108	8.1	18.2
11 7	3 9.86	+10 1.5	1.126	2.112	3.8	17.9
11 17	2 59.07	+10 0.3	1.138	2.116	5.4	18.1
11 27	2 49.43	+10 10.6	1.176	2.121	10.3	18.3
12 7	2 42.24	+10 34.5	1.237	2.127	15.0	18.6
12 17	2 38.23	+11 12.2	1.317	2.133	18.9	18.9
509070 2005 TD_{153}		11 11.1 301°.12	1°.4/10.2 18			
10 8	3 29.79	+18 29.1	1.468	2.325	16.0	21.1
10 18	3 25.32	+17 25.0	1.391	2.316	11.9	20.9
10 28	3 18.19	+16 6.8	1.337	2.306	7.2	20.6
11 7	3 9.30	+14 39.6	1.308	2.297	2.2	20.2
11 17	2 59.88	+13 11.0	1.306	2.288	4.0	20.3
11 27	2 51.35	+11 50.3	1.331	2.279	9.1	20.6
12 7	2 44.86	+10 45.1	1.381	2.270	13.8	20.9
12 17	2 41.16	+10 0.4	1.451	2.261	17.7	21.1
101989 1999 RK_{65}		11 11.1 136°.87	4°.3/13.6 18			
10 8	3 36.94	+29 23.9	1.607	2.420	16.9	20.0
10 18	3 30.57	+29 33.3	1.538	2.428	13.3	19.8
10 28	3 21.31	+29 23.9	1.491	2.435	9.3	19.6
11 7	3 10.19	+28 54.3	1.468	2.442	5.5	19.4
11 17	2 58.62	+28 6.4	1.472	2.449	4.7	19.4
11 27	2 48.16	+27 6.5	1.504	2.455	7.9	19.6
12 7	2 40.02	+26 3.2	1.563	2.461	11.9	19.8
12 17	2 34.94	+25 4.5	1.644	2.466	15.4	20.1
11374 Briantaylor		11 11.1 88°.72	2°.5/ 9.5 18			
10 8	3 33.07	+14 50.3	1.475	2.332	15.9	17.9
10 18	3 27.35	+13 47.7	1.423	2.347	11.7	17.7
10 28	3 19.16	+12 37.7	1.394	2.363	7.0	17.5
11 7	3 9.51	+11 26.2	1.391	2.378	2.9	17.3
11 17	2 59.68	+10 20.3	1.415	2.393	4.6	17.5
11 27	2 50.98	+ 9 26.8	1.467	2.408	9.1	17.7
12 7	2 44.41	+ 8 50.5	1.543	2.422	13.2	18.0
12 17	2 40.53	+ 8 33.2	1.641	2.436	16.7	18.3
517350 2014 JR_{74}		11 11.1 184°.94	0°.9/10.5 18			
10 8	3 31.66	+16 17.8	2.174	3.011	12.3	22.2
10 18	3 25.86	+15 56.0	2.097	3.011	9.1	22.0
10 28	3 18.15	+15 28.2	2.045	3.011	5.4	21.8
11 7	3 9.24	+14 56.7	2.021	3.010	1.6	21.5
11 17	2 59.99	+14 24.8	2.027	3.009	2.8	21.6
11 27	2 51.39	+13 56.2	2.063	3.007	6.6	21.9
12 7	2 44.26	+13 34.6	2.126	3.005	10.1	22.1
12 17	2 39.18	+13 22.6	2.213	3.003	13.1	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
37207 2000 WM_{103}		11 11.1 353°.77	7°.9/ 6.4 18			
	h m	° ′			°	m
10 8	3 29.37	− 3 13.3	1.847	2.693	13.7	18.4
10 18	3 24.33	− 4 3.5	1.788	2.691	11.0	18.2
10 28	3 17.28	− 4 43.4	1.753	2.689	8.8	18.1
11 7	3 8.99	− 5 7.2	1.743	2.688	7.9	18.0
11 17	3 0.40	− 5 10.2	1.759	2.687	9.0	18.1
11 27	2 52.55	− 4 50.2	1.801	2.686	11.4	18.2
12 7	2 46.28	− 4 8.2	1.866	2.686	14.0	18.4
12 17	2 42.17	− 3 7.0	1.951	2.686	16.4	18.6
245950 2006 SD_{26}		11 11.1 41°.86	2°.0/12.4 18			
10 8	3 30.42	+24 57.5	1.603	2.440	15.9	20.2
10 18	3 25.49	+24 34.8	1.543	2.452	12.0	20.0
10 28	3 18.10	+23 56.3	1.505	2.464	7.7	19.8
11 7	3 9.24	+23 4.0	1.492	2.477	3.3	19.6
11 17	3 0.10	+22 2.2	1.506	2.490	3.0	19.6
11 27	2 51.99	+20 57.8	1.548	2.503	7.2	19.9
12 7	2 45.90	+19 58.2	1.616	2.517	11.3	20.1
12 17	2 42.43	+19 9.0	1.706	2.531	14.8	20.4
296721 2009 SE_{351}		11 11.1 96°.33	0°.9/10.5 18			
10 8	3 31.40	+14 43.1	2.271	3.109	11.8	20.4
10 18	3 25.52	+14 41.4	2.206	3.119	8.7	20.2
10 28	3 17.88	+14 36.3	2.165	3.130	5.2	20.0
11 7	3 9.15	+14 29.2	2.153	3.141	1.6	19.8
11 17	3 0.19	+14 22.3	2.170	3.152	2.6	19.9
11 27	2 51.88	+14 18.2	2.218	3.162	6.2	20.1
12 7	2 44.98	+14 19.3	2.293	3.172	9.4	20.3
12 17	2 40.03	+14 27.4	2.392	3.183	12.2	20.5
439119 2011 SA_{114}		11 11.1 24°.86	1°.1/11.6 18			
10 8	3 30.57	+20 45.1	1.279	2.140	17.7	20.6
10 18	3 26.04	+20 46.3	1.228	2.151	13.2	20.4
10 28	3 18.62	+20 35.1	1.198	2.164	8.2	20.1
11 7	3 9.42	+20 13.2	1.191	2.179	2.8	19.9
11 17	2 59.87	+19 44.3	1.209	2.194	3.2	19.9
11 27	2 51.52	+19 14.4	1.253	2.210	8.3	20.3
12 7	2 45.55	+18 49.8	1.321	2.227	13.0	20.6
12 17	2 42.60	+18 35.1	1.410	2.245	16.8	20.9
260655 2005 GV_{166}		11 11.1 12°.38	1°.9/11.7 18			
10 8	3 35.09	+20 16.1	1.173	2.033	19.0	20.1
10 18	3 29.91	+20 50.2	1.112	2.034	14.4	19.8
10 28	3 21.27	+21 13.8	1.070	2.036	9.1	19.5
11 7	3 10.27	+21 25.9	1.052	2.039	3.5	19.2
11 17	2 58.57	+21 27.5	1.059	2.043	3.7	19.2
11 27	2 48.06	+21 23.0	1.090	2.047	9.3	19.6
12 7	2 40.30	+21 18.5	1.145	2.052	14.4	19.9
12 17	2 36.14	+21 19.6	1.219	2.058	18.7	20.2
422420 2014 SU_{284}		11 11.1 7°.49	2°.1/ 9.4 18			
10 8	3 26.52	+14 51.7	1.993	2.845	12.6	20.7
10 18	3 22.16	+13 49.2	1.924	2.846	9.2	20.5
10 28	3 15.95	+12 40.0	1.879	2.847	5.6	20.3
11 7	3 8.61	+11 28.8	1.861	2.848	2.3	20.1
11 17	3 1.00	+10 21.0	1.873	2.850	3.8	20.2
11 27	2 54.07	+ 9 22.3	1.913	2.851	7.5	20.4
12 7	2 48.61	+ 8 37.1	1.979	2.854	11.0	20.6
12 17	2 45.14	+ 8 7.8	2.068	2.856	13.9	20.9
196038 2002 SM_{43}		11 11.1 46°.07	1°.4/12.1 18			
10 8	3 29.25	+22 41.2	2.190	3.018	12.5	20.0
10 18	3 24.12	+22 38.5	2.121	3.025	9.4	19.9
10 28	3 17.11	+22 26.1	2.075	3.033	6.0	19.7
11 7	3 8.95	+22 5.0	2.056	3.042	2.4	19.4
11 17	3 0.51	+21 37.3	2.067	3.050	2.4	19.5
11 27	2 52.74	+21 6.8	2.106	3.058	5.9	19.7
12 7	2 46.45	+20 37.7	2.173	3.067	9.2	19.9
12 17	2 42.18	+20 13.7	2.265	3.076	12.1	20.1
476741 2008 UU_{52}		11 11.1 97°.62	0°.6/10.7 18			
10 8	3 34.34	+16 54.9	1.760	2.601	14.5	20.7
10 18	3 28.08	+16 43.2	1.701	2.617	10.7	20.5
10 28	3 19.55	+16 24.6	1.667	2.632	6.4	20.3
11 7	3 9.66	+16 1.5	1.659	2.648	1.8	20.0
11 17	2 59.53	+15 37.1	1.680	2.662	2.9	20.2
11 27	2 50.35	+15 15.6	1.729	2.677	7.3	20.5
12 7	2 43.07	+15 0.9	1.805	2.691	11.2	20.7
12 17	2 38.26	+14 55.9	1.904	2.705	14.5	21.0
428491 2007 VG_{204}		11 11.1 32°.59	3°.9/ 9.7 16			
10 8	3 33.29	+10 50.8	0.970	1.853	20.1	20.4
10 18	3 28.47	+10 29.3	0.929	1.865	14.9	20.1
10 28	3 20.22	+10 6.6	0.907	1.879	9.1	19.9
11 7	3 9.90	+ 9 48.3	0.907	1.893	4.3	19.7
11 17	2 59.26	+ 9 39.8	0.931	1.909	6.1	19.8
11 27	2 50.18	+ 9 46.0	0.977	1.926	11.4	20.2
12 7	2 44.00	+10 8.7	1.045	1.943	16.3	20.5
12 17	2 41.34	+10 47.4	1.131	1.961	20.4	20.8

518726 2009 EO_{22} 11 11.1 190°.51 3°.0/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.09	+25 52.9	2.154	2.962	13.3	21.8
10 18	3 28.68	+26 21.9	2.071	2.962	10.4	21.6
10 28	3 20.02	+26 39.9	2.013	2.961	7.0	21.4
11 7	3 9.85	+26 45.8	1.982	2.959	3.8	21.2
11 17	2 59.18	+26 39.7	1.980	2.958	3.5	21.2
11 27	2 49.15	+26 24.5	2.008	2.956	6.4	21.4
12 7	2 40.78	+26 4.5	2.064	2.954	9.8	21.6
12 17	2 34.74	+25 44.8	2.144	2.951	12.8	21.8

68301 2001 FZ_{95} 11 11.1 95°.12 3°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.25	+10 10.7	1.491	2.345	16.0	18.8
10 18	3 29.74	+ 9 52.4	1.438	2.359	11.8	18.6
10 28	3 20.65	+ 9 33.4	1.407	2.373	7.3	18.3
11 7	3 10.00	+ 9 17.7	1.402	2.386	3.6	18.2
11 17	2 59.07	+ 9 9.0	1.424	2.399	5.0	18.3
11 27	2 49.26	+ 9 11.1	1.474	2.412	9.3	18.6
12 7	2 41.62	+ 9 25.8	1.548	2.425	13.3	18.8
12 17	2 36.79	+ 9 53.5	1.644	2.437	16.7	19.1

185115 2006 SV_{50} 11 11.1 76°.83 2°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.31	+11 8.8	1.794	2.644	13.8	19.8
10 18	3 26.52	+10 49.0	1.735	2.655	10.2	19.6
10 28	3 18.60	+10 27.7	1.700	2.666	6.3	19.4
11 7	3 9.39	+10 8.1	1.692	2.678	2.9	19.2
11 17	2 59.92	+ 9 53.8	1.713	2.689	4.2	19.3
11 27	2 51.31	+ 9 48.0	1.761	2.700	8.0	19.5
12 7	2 44.45	+ 9 53.2	1.836	2.711	11.6	19.8
12 17	2 39.92	+10 10.1	1.933	2.722	14.7	20.0

84333 2002 TF_{53} 11 11.1 8°.55 3°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.79	+12 55.6	1.442	2.311	15.6	18.2
10 18	3 23.69	+12 7.2	1.382	2.312	11.5	17.9
10 28	3 17.12	+11 13.4	1.344	2.314	7.0	17.7
11 7	3 8.99	+10 19.9	1.331	2.317	3.3	17.5
11 17	3 0.50	+ 9 32.8	1.344	2.321	5.0	17.6
11 27	2 52.93	+ 8 58.3	1.383	2.325	9.4	17.9
12 7	2 47.33	+ 8 40.4	1.446	2.331	13.5	18.1
12 17	2 44.34	+ 8 40.5	1.529	2.337	17.1	18.4

182932 2002 GQ_{2} 11 11.1 69°.26 9°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.83	−14 57.8	2.204	2.991	13.8	19.0
10 18	3 29.85	−15 19.1	2.178	3.023	11.8	18.9
10 28	3 20.22	−15 21.7	2.176	3.055	10.3	18.9
11 7	3 9.79	−15 1.7	2.199	3.086	9.7	18.9
11 17	2 59.47	−14 17.6	2.249	3.117	10.2	19.0
11 27	2 50.17	−13 10.8	2.325	3.148	11.6	19.1
12 7	2 42.56	−11 45.0	2.426	3.178	13.2	19.3
12 17	2 37.05	−10 4.9	2.549	3.208	14.7	19.5

439637 2014 FU_{68} 11 11.1 105°.16 6°.1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.78	+ 1 14.5	1.864	2.709	13.6	20.8
10 18	3 26.76	+ 0 39.7	1.808	2.717	10.5	20.6
10 28	3 18.71	+ 0 11.7	1.775	2.725	7.6	20.5
11 7	3 9.43	− 0 4.5	1.769	2.732	6.1	20.4
11 17	2 59.91	− 0 5.1	1.791	2.740	7.2	20.5
11 27	2 51.21	+ 0 11.9	1.841	2.747	9.9	20.7
12 7	2 44.18	+ 0 46.3	1.915	2.754	12.9	20.9
12 17	2 39.39	+ 1 36.2	2.010	2.761	15.5	21.1

396478 2014 FF_{39} 11 11.1 182°.48 2°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.36	+12 14.9	2.060	2.905	12.5	20.9
10 18	3 25.69	+11 36.1	1.988	2.905	9.3	20.7
10 28	3 18.08	+10 53.9	1.940	2.906	5.7	20.5
11 7	3 9.26	+10 11.7	1.920	2.905	2.7	20.3
11 17	3 0.12	+ 9 33.8	1.930	2.905	4.0	20.4
11 27	2 51.66	+ 9 4.4	1.968	2.904	7.6	20.6
12 7	2 44.72	+ 8 46.6	2.034	2.902	11.0	20.8
12 17	2 39.87	+ 8 42.1	2.122	2.900	14.0	21.0

50166 2000 AW_{150} 11 11.1 182°.13 3°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.47	+29 33.3	1.804	2.612	15.5	19.0
10 18	3 28.48	+29 8.7	1.724	2.613	12.2	18.8
10 28	3 19.96	+28 24.6	1.667	2.614	8.3	18.6
11 7	3 9.83	+27 21.3	1.636	2.613	4.6	18.4
11 17	2 59.32	+26 2.4	1.633	2.613	3.8	18.3
11 27	2 49.74	+24 34.9	1.660	2.612	7.1	18.5
12 7	2 42.20	+23 7.8	1.713	2.610	11.1	18.7
12 17	2 37.34	+21 48.8	1.791	2.608	14.6	19.0

293798 2007 RY_{143} 11 11.1 25°.16 5°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.27	+30 19.4	1.417	2.244	18.1	20.4
10 18	3 27.45	+30 42.9	1.356	2.251	14.4	20.1
10 28	3 19.59	+30 45.9	1.314	2.259	10.3	19.9
11 7	3 9.77	+30 26.4	1.296	2.268	6.5	19.7
11 17	2 59.46	+29 46.1	1.302	2.277	5.5	19.7
11 27	2 50.30	+28 51.3	1.335	2.287	8.5	19.9
12 7	2 43.59	+27 51.1	1.392	2.298	12.4	20.2
12 17	2 40.04	+26 54.1	1.471	2.310	16.1	20.4

487000 2014 NE_{56} 11 11.1 59°.11 5°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.07	+ 2 18.6	2.001	2.849	12.7	20.9
10 18	3 24.62	+ 1 43.0	1.950	2.861	9.8	20.8
10 28	3 17.35	+ 1 13.1	1.922	2.874	7.0	20.6
11 7	3 9.04	+ 0 53.2	1.922	2.887	5.5	20.6
11 17	3 0.54	+ 0 47.0	1.949	2.900	6.6	20.7
11 27	2 52.80	+ 0 56.6	2.004	2.913	9.1	20.8
12 7	2 46.58	+ 1 22.1	2.085	2.926	11.9	21.0
12 17	2 42.36	+ 2 2.2	2.187	2.940	14.4	21.3

185060 2006 RW_{27} 11 11.1 57°.14 5°.5/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.22	+ 4 10.9	1.645	2.501	14.6	19.6
10 18	3 26.46	+ 3 34.7	1.601	2.518	11.1	19.4
10 28	3 18.54	+ 3 3.7	1.579	2.536	7.6	19.3
11 7	3 9.38	+ 2 42.9	1.583	2.555	5.5	19.2
11 17	3 0.08	+ 2 36.3	1.614	2.573	6.8	19.3
11 27	2 51.75	+ 2 46.5	1.672	2.592	9.9	19.5
12 7	2 45.30	+ 3 13.5	1.755	2.611	13.1	19.8
12 17	2 41.23	+ 3 55.6	1.859	2.629	15.9	20.0

7957 Antonella 11 11.1 304°.17 3°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.99	+27 10.7	1.837	2.655	14.9	17.9
10 18	3 27.61	+27 41.8	1.750	2.643	11.7	17.6
10 28	3 19.62	+27 59.8	1.685	2.632	8.1	17.4
11 7	3 9.81	+28 2.8	1.645	2.621	4.8	17.2
11 17	2 59.30	+27 51.0	1.633	2.610	4.3	17.1
11 27	2 49.44	+27 27.4	1.649	2.599	7.4	17.3
12 7	2 41.43	+26 57.7	1.691	2.588	11.2	17.5
12 17	2 36.10	+26 28.2	1.757	2.578	14.6	17.7

176179 2001 MA_{22} 11 11.1 125°.60 0°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.18	+21 25.5	1.833	2.661	14.6	20.9
10 18	3 29.44	+21 14.2	1.771	2.677	10.9	20.7
10 28	3 20.39	+20 52.1	1.732	2.692	6.7	20.4
11 7	3 9.95	+20 20.5	1.720	2.707	2.3	20.2
11 17	2 59.26	+19 42.6	1.737	2.721	2.6	20.3
11 27	2 49.54	+19 3.4	1.784	2.734	6.9	20.6
12 7	2 41.75	+18 28.3	1.858	2.747	10.8	20.8
12 17	2 36.50	+18 1.4	1.956	2.759	14.0	21.1

302744 2002 UK_{34} 11 11.1 334°.74 3°.1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.38	+14 53.8	1.307	2.184	16.3	19.9
10 18	3 21.67	+13 46.3	1.226	2.161	12.2	19.5
10 28	3 16.22	+12 26.7	1.167	2.140	7.4	19.2
11 7	3 8.85	+11 1.7	1.132	2.119	3.3	18.9
11 17	3 0.77	+ 9 39.9	1.122	2.100	5.5	19.0
11 27	2 53.46	+ 8 31.3	1.137	2.082	10.5	19.2
12 7	2 48.18	+ 7 43.3	1.174	2.066	15.4	19.5
12 17	2 45.78	+ 7 19.5	1.231	2.052	19.7	19.7

287722 2003 QR_{114} 11 11.1 101°.69 6°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.37	+36 53.8	1.870	2.645	16.3	20.4
10 18	3 29.18	+36 57.8	1.802	2.658	13.4	20.3
10 28	3 20.37	+36 38.9	1.754	2.670	10.2	20.1
11 7	3 9.97	+35 55.4	1.731	2.683	7.3	20.0
11 17	2 59.28	+34 49.0	1.735	2.695	6.2	19.9
11 27	2 49.69	+33 25.7	1.766	2.707	7.8	20.1
12 7	2 42.27	+31 54.8	1.825	2.718	10.7	20.3
12 17	2 37.66	+30 25.2	1.908	2.730	13.6	20.5

407164 2009 UK_{29} 11 11.1 4°.60 0°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.55	+18 26.6	1.602	2.460	14.8	20.2
10 18	3 22.68	+17 57.6	1.536	2.460	11.0	20.0
10 28	3 16.51	+17 18.8	1.492	2.461	6.6	19.7
11 7	3 8.87	+16 33.6	1.474	2.463	1.9	19.4
11 17	3 0.85	+15 46.7	1.482	2.466	3.0	19.5
11 27	2 53.66	+15 3.8	1.518	2.470	7.7	19.8
12 7	2 48.28	+14 30.4	1.578	2.475	11.8	20.1
12 17	2 45.34	+14 9.8	1.661	2.481	15.4	20.3

39885 1998 EG_{12} 11 11.1 28°.67 5°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.06	+ 7 43.4	1.123	1.999	18.5	17.4
10 18	3 28.06	+ 7 11.1	1.074	2.005	13.9	17.2
10 28	3 19.94	+ 6 41.0	1.046	2.013	9.0	16.9
11 7	3 9.89	+ 6 19.6	1.040	2.022	5.4	16.8
11 17	2 59.45	+ 6 12.4	1.059	2.031	7.1	16.9
11 27	2 50.30	+ 6 23.6	1.102	2.041	11.6	17.2
12 7	2 43.72	+ 6 53.9	1.166	2.051	16.1	17.5
12 17	2 40.39	+ 7 41.9	1.250	2.062	19.9	17.8

229373 2005 RG_{11} 11 11.1 42°.64 2°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.96	+24 56.8	1.177	2.030	19.4	19.9
10 18	3 27.96	+24 40.2	1.131	2.048	14.7	19.6
10 28	3 19.82	+24 4.3	1.106	2.068	9.4	19.4
11 7	3 9.82	+23 11.3	1.103	2.089	4.0	19.2
11 17	2 59.61	+22 7.0	1.126	2.110	3.6	19.2
11 27	2 50.88	+21 0.4	1.174	2.131	8.6	19.6
12 7	2 44.82	+20 0.9	1.245	2.153	13.4	19.9
12 17	2 42.04	+19 14.8	1.338	2.176	17.4	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
172670 2003 YD_{119}		11 11.1 297°.30 5°.9/ 8.3 18				
	h m	° ′			°	m
10 8	3 33.03	+ 2 25.0	1.744	2.594	14.2	19.4
10 18	3 27.35	+ 2 3.1	1.669	2.582	11.0	19.2
10 28	3 19.32	+ 1 47.4	1.616	2.570	7.8	18.9
11 7	3 9.73	+ 1 42.8	1.590	2.559	5.9	18.8
11 17	2 59.62	+ 1 53.3	1.591	2.548	7.1	18.9
11 27	2 50.20	+ 2 21.2	1.619	2.536	10.3	19.0
12 7	2 42.50	+ 3 6.5	1.672	2.525	13.8	19.2
12 17	2 37.25	+ 4 7.6	1.746	2.515	16.9	19.4
332575 2008 SU_{55}		11 11.1 156°.43 1°.2/11.9 17				
10 8	3 29.73	+22 6.6	2.630	3.449	10.9	21.3
10 18	3 24.26	+22 7.7	2.551	3.452	8.2	21.1
10 28	3 17.16	+22 1.0	2.497	3.454	5.2	20.9
11 7	3 9.04	+21 47.2	2.472	3.457	2.1	20.7
11 17	3 0.64	+21 27.8	2.476	3.459	2.1	20.7
11 27	2 52.76	+21 5.6	2.511	3.461	5.2	20.9
12 7	2 46.11	+20 43.9	2.575	3.464	8.2	21.1
12 17	2 41.20	+20 25.9	2.664	3.465	10.8	21.3
442310 2011 SX_{78}		11 11.1 79°.14 1°.3/10.2 18				
10 8	3 31.74	+16 12.3	1.737	2.585	14.3	21.6
10 18	3 26.17	+15 35.2	1.681	2.601	10.5	21.4
10 28	3 18.43	+14 51.1	1.649	2.616	6.3	21.2
11 7	3 9.41	+14 3.7	1.643	2.631	2.0	20.9
11 17	3 0.19	+13 17.8	1.665	2.646	3.4	21.1
11 27	2 51.89	+12 38.5	1.716	2.661	7.6	21.3
12 7	2 45.43	+12 10.1	1.793	2.676	11.4	21.6
12 17	2 41.34	+11 55.0	1.892	2.691	14.6	21.9
119426 2001 TW_{107}		11 11.1 31°.29 6°.9/ 9.3 18				
10 8	3 36.02	+ 1 54.8	1.134	2.003	18.9	17.7
10 18	3 30.04	+ 1 54.8	1.094	2.018	14.5	17.5
10 28	3 21.02	+ 2 6.3	1.074	2.034	10.0	17.3
11 7	3 10.18	+ 2 34.0	1.077	2.052	7.0	17.2
11 17	2 59.14	+ 3 20.2	1.105	2.070	8.2	17.4
11 27	2 49.52	+ 4 24.4	1.157	2.089	12.0	17.6
12 7	2 42.53	+ 5 43.8	1.232	2.109	16.0	17.9
12 17	2 38.79	+ 7 14.4	1.326	2.130	19.5	18.2
44134 1998 HB_{87}		11 11.1 87°.10 1°.1/11.7 18				
10 8	3 37.28	+22 22.7	1.497	2.333	16.8	19.0
10 18	3 30.50	+22 2.1	1.448	2.359	12.6	18.8
10 28	3 21.09	+21 27.7	1.422	2.384	7.8	18.6
11 7	3 10.18	+20 41.8	1.421	2.408	2.7	18.4
11 17	2 59.15	+19 49.1	1.449	2.433	3.0	18.4
11 27	2 49.44	+18 56.4	1.504	2.457	7.7	18.8
12 7	2 42.06	+18 10.3	1.585	2.480	12.0	19.1
12 17	2 37.59	+17 35.8	1.689	2.503	15.5	19.4
99006 2001 DR_{52}		11 11.1 273°.24 8°.1/ 6.5 18				
10 8	3 31.78	− 2 26.7	1.763	2.608	14.3	19.1
10 18	3 26.32	− 3 22.0	1.695	2.599	11.5	18.9
10 28	3 18.64	− 4 8.0	1.651	2.589	9.1	18.8
11 7	3 9.52	− 4 38.1	1.632	2.580	8.1	18.7
11 17	2 59.97	− 4 46.9	1.639	2.570	9.3	18.7
11 27	2 51.15	− 4 31.3	1.672	2.561	11.9	18.9
12 7	2 44.01	− 3 51.9	1.729	2.551	14.8	19.0
12 17	2 39.22	− 2 51.6	1.805	2.542	17.5	19.2
20114 1995 UQ_{44}		11 11.1 70°.93 4°.8/13.4 18				
10 8	3 38.86	+28 11.3	1.636	2.449	16.7	17.6
10 18	3 31.95	+29 2.6	1.579	2.467	13.1	17.4
10 28	3 22.17	+29 38.2	1.543	2.486	9.2	17.2
11 7	3 10.56	+29 55.4	1.533	2.505	5.7	17.1
11 17	2 58.53	+29 53.9	1.550	2.523	5.1	17.1
11 27	2 47.62	+29 37.4	1.595	2.542	7.9	17.3
12 7	2 39.05	+29 12.7	1.666	2.560	11.5	17.6
12 17	2 33.54	+28 46.7	1.760	2.579	14.7	17.8
72385 2001 CK_{12}		11 11.1 90°.36 2°.0/ 9.9 18				
10 8	3 32.80	+13 23.4	1.748	2.598	14.2	19.1
10 18	3 26.99	+13 0.2	1.689	2.609	10.5	18.9
10 28	3 18.96	+12 33.1	1.653	2.620	6.3	18.7
11 7	3 9.59	+12 5.4	1.644	2.631	2.4	18.4
11 17	2 59.95	+11 40.9	1.663	2.641	3.8	18.6
11 27	2 51.20	+11 23.6	1.710	2.652	7.9	18.8
12 7	2 44.26	+11 16.8	1.783	2.663	11.7	19.1
12 17	2 39.73	+11 22.0	1.879	2.673	14.9	19.3
389576 2011 AF		11 11.1 204°.75 3°.1/ 9.3 18				
10 8	3 34.07	+11 7.4	1.819	2.666	13.8	21.6
10 18	3 28.01	+10 29.0	1.744	2.662	10.3	21.4
10 28	3 19.66	+ 9 47.5	1.692	2.657	6.4	21.2
11 7	3 9.83	+ 9 7.0	1.668	2.652	3.3	21.0
11 17	2 59.56	+ 8 32.3	1.673	2.646	4.7	21.0
11 27	2 50.04	+ 8 7.9	1.706	2.639	8.6	21.3
12 7	2 42.26	+ 7 57.2	1.764	2.632	12.4	21.5
12 17	2 36.89	+ 8 1.6	1.846	2.624	15.7	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
461145 2015 TA_{111}		11 11.1 332°.36 1°.8/ 9.7 18				
	h m	° ′			°	m
10 8	3 27.19	+15 51.7	1.902	2.754	13.1	20.3
10 18	3 22.84	+14 53.4	1.826	2.748	9.7	20.0
10 28	3 16.50	+13 46.9	1.774	2.743	5.8	19.8
11 7	3 8.89	+12 36.7	1.750	2.737	2.2	19.6
11 17	3 0.93	+11 28.4	1.754	2.732	3.7	19.7
11 27	2 53.64	+10 28.1	1.786	2.728	7.6	19.9
12 7	2 47.90	+ 9 40.7	1.844	2.723	11.4	20.1
12 17	2 44.28	+ 9 9.2	1.925	2.719	14.6	20.3
441324 2008 CR_{3}		11 11.1 347°.35 6°.7/ 7.5 18				
10 8	3 26.51	+ 4 51.9	1.351	2.227	15.9	19.9
10 18	3 22.97	+ 3 50.5	1.288	2.217	12.3	19.6
10 28	3 16.86	+ 2 51.9	1.246	2.207	8.6	19.4
11 7	3 9.04	+ 2 3.9	1.227	2.199	6.7	19.3
11 17	3 0.71	+ 1 33.9	1.233	2.192	8.4	19.3
11 27	2 53.23	+ 1 27.1	1.263	2.187	12.0	19.5
12 7	2 47.73	+ 1 44.9	1.315	2.183	15.9	19.8
12 17	2 44.92	+ 2 25.6	1.386	2.179	19.3	20.0
334779 2003 SD_{138}		11 11.1 10°.51 4°.0/12.4 18				
10 8	3 33.47	+22 41.4	1.351	2.200	17.6	19.1
10 18	3 28.45	+24 2.2	1.293	2.206	13.6	18.9
10 28	3 20.32	+25 13.4	1.256	2.214	9.1	18.6
11 7	3 10.09	+26 10.9	1.244	2.225	4.9	18.4
11 17	2 59.20	+26 52.7	1.257	2.236	4.7	18.4
11 27	2 49.36	+27 20.2	1.296	2.250	8.5	18.7
12 7	2 41.94	+27 38.1	1.360	2.265	12.7	19.0
12 17	2 37.77	+27 52.0	1.445	2.281	16.4	19.3
485953 2012 HU_{51}		11 11.1 198°.67 0°.4/11.4 17				
10 8	3 32.05	+18 18.3	2.596	3.419	10.9	21.6
10 18	3 26.01	+18 33.0	2.512	3.418	8.1	21.4
10 28	3 18.27	+18 42.9	2.455	3.416	5.0	21.2
11 7	3 9.41	+18 48.3	2.426	3.414	1.6	21.0
11 17	3 0.19	+18 50.2	2.428	3.411	2.0	21.0
11 27	2 51.46	+18 50.8	2.461	3.409	5.4	21.3
12 7	2 43.97	+18 52.4	2.522	3.406	8.5	21.5
12 17	2 38.27	+18 57.3	2.610	3.403	11.2	21.6
22606 1998 HK_{148}		11 11.1 143°.61 0°.5/10.8 18				
10 8	3 36.18	+17 18.8	1.758	2.596	14.6	19.3
10 18	3 29.57	+17 2.8	1.693	2.606	10.9	19.1
10 28	3 20.57	+16 39.1	1.651	2.616	6.5	18.9
11 7	3 10.09	+16 10.0	1.636	2.624	1.9	18.6
11 17	2 59.29	+15 39.1	1.650	2.633	3.0	18.7
11 27	2 49.42	+15 10.9	1.693	2.640	7.5	19.0
12 7	2 41.49	+14 50.0	1.763	2.647	11.5	19.3
12 17	2 36.13	+14 39.4	1.855	2.653	14.9	19.5
408090 2012 HA_{59}		11 11.1 280°.72 3°.1/ 8.7 17				
10 8	3 27.62	+10 28.0	2.187	3.036	11.7	21.1
10 18	3 22.96	+ 9 36.1	2.105	3.024	8.7	20.9
10 28	3 16.51	+ 8 41.3	2.048	3.012	5.5	20.7
11 7	3 8.91	+ 7 47.8	2.018	3.000	3.2	20.5
11 17	3 0.94	+ 7 0.2	2.018	2.987	4.6	20.6
11 27	2 53.50	+ 6 23.0	2.046	2.975	7.8	20.8
12 7	2 47.38	+ 5 59.4	2.101	2.963	11.0	21.0
12 17	2 43.14	+ 5 50.9	2.179	2.950	13.8	21.1
151649 2002 XL_{71}		11 11.1 291°.60 5°.2/ 8.2 18				
10 8	3 31.21	+ 8 10.1	1.486	2.350	15.5	20.7
10 18	3 26.52	+ 7 11.7	1.402	2.327	11.8	20.4
10 28	3 19.10	+ 6 10.7	1.340	2.304	7.8	20.1
11 7	3 9.76	+ 5 13.6	1.303	2.281	5.2	19.9
11 17	2 59.67	+ 4 27.8	1.292	2.259	7.0	19.9
11 27	2 50.24	+ 4 0.0	1.308	2.236	11.2	20.1
12 7	2 42.73	+ 3 54.2	1.346	2.213	15.6	20.3
12 17	2 38.01	+ 4 10.9	1.404	2.191	19.4	20.5
394949 2008 YR_{51}		11 11.1 207°.71 6°.4/ 7.0 18				
10 8	3 31.79	− 0 13.0	2.069	2.910	12.7	21.0
10 18	3 26.01	− 1 0.7	2.002	2.906	10.0	20.9
10 28	3 18.32	− 1 42.0	1.959	2.902	7.5	20.7
11 7	3 9.43	− 2 11.4	1.943	2.898	6.4	20.6
11 17	3 0.23	− 2 24.7	1.955	2.893	7.5	20.7
11 27	2 51.67	− 2 19.1	1.994	2.888	10.0	20.8
12 7	2 44.58	− 1 54.5	2.059	2.882	12.7	21.0
12 17	2 39.54	− 1 12.4	2.144	2.877	15.2	21.2
400 Ducrosa		11 11.1 213°.32 4°.2/14.6 18 R				
10 8	3 31.29	+32 53.4	2.678	3.455	11.9	16.1
10 18	3 25.62	+33 6.9	2.588	3.451	9.6	15.9
10 28	3 18.11	+33 6.7	2.522	3.446	7.1	15.7
11 7	3 9.38	+32 51.6	2.482	3.441	4.9	15.6
11 17	3 0.27	+32 22.2	2.471	3.436	4.3	15.5
11 27	2 51.70	+31 41.3	2.490	3.430	5.9	15.6
12 7	2 44.48	+30 53.5	2.537	3.424	8.3	15.8
12 17	2 39.21	+30 4.1	2.610	3.418	10.8	15.9

422404 2014 SL_{280} 11 11.1 271°.83 0°.2/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.73	+17 5.8	2.398	3.232	11.3	21.0
10 18	3 24.44	+17 3.6	2.313	3.224	8.4	20.8
10 28	3 17.39	+16 56.4	2.253	3.217	5.1	20.6
11 7	3 9.18	+16 45.3	2.220	3.209	1.5	20.4
11 17	3 0.58	+16 32.4	2.218	3.201	2.3	20.4
11 27	2 52.49	+16 20.4	2.246	3.193	5.9	20.6
12 7	2 45.66	+16 12.3	2.301	3.186	9.2	20.8
12 17	2 40.69	+16 10.4	2.381	3.178	12.1	21.0

175739 1998 JL_4 11 11.1 163°.46 1°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.34	+14 49.6	1.777	2.621	14.2	20.8
10 18	3 28.18	+14 6.9	1.709	2.627	10.5	20.6
10 28	3 19.73	+13 17.7	1.665	2.631	6.3	20.4
11 7	3 9.86	+12 25.8	1.648	2.635	2.4	20.2
11 17	2 59.67	+11 36.3	1.660	2.639	3.9	20.3
11 27	2 50.34	+10 54.7	1.701	2.642	8.1	20.5
12 7	2 42.86	+10 25.3	1.768	2.644	12.0	20.8
12 17	2 37.83	+10 10.6	1.858	2.645	15.3	21.0

265302 2004 HE_4 11 11.1 209°.18 0°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.67	+19 58.3	1.951	2.783	13.6	21.1
10 18	3 27.69	+19 20.7	1.867	2.777	10.2	20.8
10 28	3 19.48	+18 32.2	1.807	2.770	6.2	20.6
11 7	3 9.81	+17 35.0	1.774	2.763	1.8	20.3
11 17	2 59.72	+16 33.6	1.771	2.755	2.7	20.3
11 27	2 50.34	+15 33.8	1.798	2.746	7.1	20.6
12 7	2 42.65	+14 41.5	1.852	2.736	11.1	20.8
12 17	2 37.32	+14 1.1	1.930	2.726	14.5	21.0

470266 2007 BM_{23} 11 11.1 27°.87 4°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.06	+27 9.0	1.082	1.937	20.6	19.9
10 18	3 27.78	+27 22.8	1.033	1.948	16.0	19.7
10 28	3 19.99	+27 14.5	1.003	1.961	10.8	19.4
11 7	3 10.00	+26 43.8	0.994	1.975	5.8	19.2
11 17	2 59.58	+25 54.3	1.009	1.990	4.9	19.2
11 27	2 50.65	+24 54.8	1.048	2.007	9.2	19.5
12 7	2 44.62	+23 56.0	1.109	2.024	14.1	19.9
12 17	2 42.17	+23 6.5	1.191	2.042	18.2	20.2

210528 1999 AW_{13} 11 11.1 170°.73 2°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.82	+11 3.4	2.200	3.043	11.9	21.6
10 18	3 25.22	+10 31.1	2.129	3.046	8.8	21.4
10 28	3 17.82	+ 9 56.8	2.083	3.048	5.4	21.2
11 7	3 9.30	+ 9 23.8	2.066	3.049	2.7	21.0
11 17	3 0.50	+ 8 55.5	2.077	3.051	4.0	21.1
11 27	2 52.33	+ 8 35.7	2.118	3.052	7.2	21.3
12 7	2 45.56	+ 8 26.6	2.186	3.052	10.4	21.5
12 17	2 40.74	+ 8 29.6	2.278	3.052	13.2	21.7

24542 2001 DD_{17} 11 11.1 114°.07 1°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.09	+23 59.4	2.576	3.386	11.4	18.8
10 18	3 25.99	+24 8.9	2.507	3.401	8.6	18.6
10 28	3 18.22	+24 9.4	2.463	3.415	5.6	18.5
11 7	3 9.41	+24 1.1	2.447	3.429	2.6	18.3
11 17	3 0.37	+23 45.4	2.462	3.443	2.4	18.3
11 27	2 51.95	+23 25.0	2.507	3.457	5.2	18.5
12 7	2 44.87	+23 3.4	2.581	3.470	8.1	18.7
12 17	2 39.65	+22 44.2	2.681	3.483	10.7	18.9

145953 1999 XN_{217} 11 11.1 357°.06 4°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.95	+ 9 58.7	1.141	2.019	18.1	18.5
10 18	3 26.71	+ 9 32.0	1.082	2.015	13.6	18.3
10 28	3 19.32	+ 9 4.4	1.043	2.012	8.5	18.0
11 7	3 9.84	+ 8 41.4	1.026	2.011	4.5	17.8
11 17	2 59.76	+ 8 28.7	1.034	2.010	6.2	17.9
11 27	2 50.80	+ 8 31.5	1.066	2.011	11.2	18.1
12 7	2 44.30	+ 8 52.2	1.120	2.012	16.0	18.4
12 17	2 41.08	+ 9 30.4	1.192	2.015	20.1	18.7

446383 2014 HV_{138} 11 11.1 334°.64 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.61	+16 3.7	1.662	2.515	14.6	21.5
10 18	3 25.67	+15 32.8	1.591	2.512	10.9	21.3
10 28	3 18.36	+14 54.5	1.542	2.510	6.5	21.0
11 7	3 9.51	+14 12.0	1.519	2.508	2.1	20.7
11 17	3 0.23	+13 29.9	1.524	2.506	3.5	20.8
11 27	2 51.75	+12 53.9	1.557	2.504	8.0	21.1
12 7	2 45.10	+12 28.5	1.614	2.502	12.2	21.4
12 17	2 40.96	+12 16.7	1.694	2.500	15.8	21.6

416759 2005 ET_{169} 11 11.1 148°.41 11°.8/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.38	−16 17.5	2.003	2.794	14.8	21.2
10 18	3 29.27	−17 37.2	1.967	2.807	13.1	21.1
10 28	3 20.19	−18 36.6	1.954	2.818	12.0	21.0
11 7	3 9.98	−19 8.8	1.965	2.829	11.8	21.0
11 17	2 59.65	−19 9.5	1.999	2.838	12.6	21.1
11 27	2 50.26	−18 38.5	2.058	2.847	14.1	21.2
12 7	2 42.61	−17 39.2	2.137	2.855	15.7	21.4
12 17	2 37.22	−16 16.8	2.234	2.862	17.2	21.5

488214 2015 XC_{313} 11 11.1 19°.07 4°.8/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.80	+ 5 6.4	1.845	2.699	13.3	21.0
10 18	3 24.71	+ 4 38.6	1.784	2.703	10.1	20.8
10 28	3 17.61	+ 4 14.4	1.748	2.707	6.8	20.6
11 7	3 9.26	+ 3 58.1	1.737	2.711	4.8	20.5
11 17	3 0.63	+ 3 53.5	1.754	2.716	6.0	20.6
11 27	2 52.73	+ 4 3.1	1.798	2.721	9.0	20.8
12 7	2 46.44	+ 4 27.6	1.868	2.727	12.3	21.0
12 17	2 42.32	+ 5 6.4	1.959	2.733	15.1	21.2

329586 2002 XY_{118} 11 11.1 57°.97 2°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.71	+14 14.7	1.223	2.085	18.2	20.5
10 18	3 30.33	+13 52.3	1.187	2.113	13.3	20.3
10 28	3 21.08	+13 24.4	1.172	2.141	7.9	20.1
11 7	3 10.25	+12 55.5	1.181	2.169	2.8	19.8
11 17	2 59.37	+12 30.4	1.217	2.198	4.4	20.0
11 27	2 49.99	+12 14.3	1.278	2.226	9.3	20.4
12 7	2 43.19	+12 10.8	1.363	2.254	13.8	20.7
12 17	2 39.49	+12 21.2	1.469	2.282	17.4	21.0

363632 2004 RQ_{151} 11 11.1 76°.06 3°.8/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.25	+ 8 57.4	2.056	2.908	12.3	21.4
10 18	3 23.35	+ 7 55.9	1.997	2.917	9.1	21.2
10 28	3 16.68	+ 6 53.5	1.963	2.926	5.9	21.1
11 7	3 8.97	+ 5 55.1	1.956	2.934	3.8	21.0
11 17	3 1.06	+ 5 5.7	1.979	2.943	5.2	21.1
11 27	2 53.85	+ 4 29.6	2.029	2.952	8.2	21.3
12 7	2 48.07	+ 4 9.4	2.105	2.961	11.2	21.5
12 17	2 44.22	+ 4 5.5	2.204	2.969	13.9	21.7

519326 2011 FB_{52} 11 11.1 247°.10 3°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.52	+25 25.7	1.627	2.453	16.2	21.4
10 18	3 29.71	+25 43.7	1.546	2.447	12.6	21.1
10 28	3 21.03	+25 47.7	1.487	2.440	8.4	20.9
11 7	3 10.37	+25 36.3	1.453	2.434	4.3	20.6
11 17	2 59.01	+25 10.7	1.446	2.427	3.8	20.6
11 27	2 48.47	+24 35.5	1.467	2.420	7.8	20.8
12 7	2 40.07	+23 57.5	1.514	2.412	12.1	21.0
12 17	2 34.64	+23 23.4	1.583	2.405	15.9	21.3

103819 2000 DL_{21} 11 11.1 33°.35 5°.3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.38	+ 6 57.5	1.559	2.423	14.8	19.1
10 18	3 24.65	+ 5 53.8	1.505	2.429	11.2	18.9
10 28	3 17.66	+ 4 51.2	1.474	2.436	7.5	18.7
11 7	3 9.29	+ 3 56.3	1.468	2.444	5.3	18.6
11 17	3 0.65	+ 3 15.4	1.490	2.451	6.9	18.7
11 27	2 52.91	+ 2 53.3	1.537	2.460	10.3	18.9
12 7	2 47.02	+ 2 51.8	1.608	2.468	13.8	19.2
12 17	2 43.57	+ 3 10.2	1.699	2.477	16.9	19.4

433944 1995 SR_{52} 11 11.1 307°.39 3°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.69	+24 4.6	1.432	2.270	17.4	21.3
10 18	3 30.15	+24 34.2	1.356	2.264	13.4	21.0
10 28	3 21.45	+24 50.5	1.302	2.259	8.9	20.7
11 7	3 10.53	+24 52.0	1.271	2.254	4.4	20.5
11 17	2 58.83	+24 39.2	1.267	2.249	4.0	20.4
11 27	2 48.05	+24 16.4	1.290	2.244	8.5	20.7
12 7	2 39.64	+23 50.6	1.337	2.240	13.1	20.9
12 17	2 34.51	+23 28.5	1.406	2.235	17.2	21.2

282027 5069 T_{-3} 11 11.1 42°.35 2°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.76	+11 32.4	1.354	2.217	16.7	20.1
10 18	3 28.23	+11 19.3	1.302	2.228	12.4	19.9
10 28	3 19.96	+11 4.4	1.271	2.239	7.6	19.6
11 7	3 10.00	+10 51.3	1.265	2.251	3.3	19.4
11 17	2 59.71	+10 43.9	1.285	2.264	4.8	19.5
11 27	2 50.55	+10 46.3	1.332	2.276	9.4	19.8
12 7	2 43.66	+11 0.7	1.402	2.290	13.7	20.1
12 17	2 39.68	+11 27.9	1.493	2.303	17.3	20.4

159518 2001 FF_7 11 11.1 135°.56 12°.8/29.9 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.16	−17 14.6	2.059	2.837	14.9	22.6
10 18	3 32.03	−20 17.7	2.042	2.861	13.5	22.5
10 28	3 21.85	−22 58.0	2.051	2.883	12.8	22.5
11 7	3 10.50	−25 5.2	2.087	2.903	13.1	22.6
11 17	2 59.03	−26 33.1	2.149	2.922	14.1	22.7
11 27	2 48.54	−27 20.3	2.233	2.940	15.4	22.8
12 7	2 39.87	−27 30.5	2.336	2.956	16.7	23.0
12 17	2 33.56	−27 9.9	2.452	2.971	17.8	23.1

410999 2009 UK_{44} 11 11.1 327°.42 1°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.79	+20 56.0	2.019	2.849	13.3	20.6
10 18	3 27.15	+21 26.7	1.936	2.842	10.1	20.4
10 28	3 19.26	+21 50.2	1.876	2.835	6.4	20.1
11 7	3 9.83	+22 6.0	1.843	2.828	2.7	19.9
11 17	2 59.84	+22 14.5	1.839	2.822	2.7	19.9
11 27	2 50.43	+22 17.9	1.865	2.816	6.5	20.1
12 7	2 42.62	+22 19.6	1.917	2.811	10.3	20.3
12 17	2 37.13	+22 23.2	1.994	2.805	13.5	20.5

6209 Schwaben 11 11.1 298°.49 0°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.82	+21 7.5	1.483	2.332	16.3	17.6
10 18	3 27.13	+20 54.1	1.399	2.316	12.4	17.3
10 28	3 19.56	+20 27.6	1.336	2.301	7.8	17.0
11 7	3 9.98	+19 49.3	1.298	2.286	2.6	16.6
11 17	2 59.63	+19 2.8	1.286	2.271	3.1	16.6
11 27	2 50.06	+18 14.6	1.301	2.256	8.4	16.9
12 7	2 42.59	+17 31.8	1.341	2.241	13.3	17.2
12 17	2 38.09	+17 0.5	1.402	2.227	17.5	17.4

305934 2009 FX_{76} 11 11.1 350°.55 1°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.65	+21 0.9	1.816	2.651	14.3	20.6
10 18	3 27.15	+21 9.5	1.741	2.651	10.8	20.4
10 28	3 19.27	+21 8.6	1.689	2.650	6.8	20.2
11 7	3 9.83	+20 58.8	1.663	2.649	2.5	19.9
11 17	2 59.91	+20 42.0	1.665	2.649	2.7	19.9
11 27	2 50.74	+20 22.0	1.696	2.649	7.0	20.2
12 7	2 43.36	+20 3.5	1.753	2.648	11.0	20.4
12 17	2 38.48	+19 50.7	1.834	2.648	14.4	20.6

329094 2011 BE_{98} 11 11.1 103°.68 4°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.09	+ 1 50.0	2.479	3.319	10.8	20.8
10 18	3 23.67	+ 1 13.2	2.425	3.331	8.3	20.6
10 28	3 16.78	+ 0 41.2	2.395	3.343	6.0	20.5
11 7	3 9.02	+ 0 17.9	2.393	3.355	4.9	20.4
11 17	3 1.11	+ 0 6.1	2.421	3.366	5.8	20.5
11 27	2 53.79	+ 0 8.0	2.477	3.378	8.0	20.7
12 7	2 47.70	+ 0 24.0	2.559	3.389	10.3	20.9
12 17	2 43.27	+ 0 53.3	2.664	3.400	12.5	21.0

179794 2002 TB_{26} 11 11.1 67°.04 1°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.07	+17 17.9	1.310	2.166	17.6	20.4
10 18	3 29.82	+16 47.8	1.269	2.191	13.0	20.2
10 28	3 20.80	+16 8.5	1.248	2.216	7.7	20.0
11 7	3 10.22	+15 24.2	1.253	2.242	2.3	19.7
11 17	2 59.54	+14 40.3	1.284	2.267	3.7	19.9
11 27	2 50.25	+14 3.3	1.342	2.292	8.7	20.2
12 7	2 43.42	+13 38.2	1.425	2.317	13.2	20.6
12 17	2 39.60	+13 27.8	1.528	2.342	16.8	20.9

67851 2000 WN_8 11 11.1 21°.41 5°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.38	+27 9.1	0.990	1.850	21.6	17.7
10 18	3 28.41	+27 42.4	0.940	1.858	16.9	17.4
10 28	3 20.61	+27 53.6	0.908	1.867	11.6	17.2
11 7	3 10.29	+27 40.4	0.897	1.877	6.5	16.9
11 17	2 59.37	+27 5.1	0.908	1.888	5.6	16.9
11 27	2 50.00	+26 15.8	0.942	1.901	9.9	17.2
12 7	2 43.76	+25 23.8	0.998	1.915	14.9	17.5
12 17	2 41.43	+24 38.7	1.072	1.930	19.3	17.9

401006 2011 QG_{92} 11 11.1 232°.05 5°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.03	+33 55.8	2.149	2.928	14.3	21.1
10 18	3 28.94	+34 8.2	2.054	2.917	11.7	20.9
10 28	3 20.40	+34 2.7	1.981	2.905	8.7	20.7
11 7	3 10.19	+33 37.3	1.934	2.893	6.1	20.5
11 17	2 59.40	+32 52.3	1.915	2.880	5.3	20.4
11 27	2 49.29	+31 51.6	1.925	2.867	7.2	20.5
12 7	2 40.95	+30 42.0	1.963	2.853	10.2	20.7
12 17	2 35.14	+29 31.3	2.025	2.839	13.2	20.9

181840 1998 TS_{12} 11 11.1 51°.28 1°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.58	+19 56.7	1.277	2.131	18.1	19.8
10 18	3 29.82	+20 4.6	1.226	2.146	13.6	19.6
10 28	3 21.02	+20 1.2	1.197	2.162	8.3	19.3
11 7	3 10.35	+19 47.7	1.191	2.179	2.8	19.1
11 17	2 59.34	+19 27.1	1.211	2.196	3.2	19.1
11 27	2 49.64	+19 5.1	1.258	2.213	8.5	19.5
12 7	2 42.49	+18 47.6	1.329	2.231	13.2	19.8
12 17	2 38.54	+18 39.1	1.420	2.248	17.1	20.1

494537 2017 AJ_{14} 11 11.1 309°.97 7°.1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.52	− 1 31.9	1.896	2.739	13.5	20.9
10 18	3 25.99	− 2 11.8	1.832	2.736	10.7	20.7
10 28	3 18.42	− 2 43.0	1.792	2.733	8.2	20.5
11 7	3 9.57	− 3 0.1	1.777	2.730	7.1	20.5
11 17	3 0.39	− 2 58.8	1.790	2.727	8.2	20.5
11 27	2 51.91	− 2 37.1	1.830	2.725	10.7	20.7
12 7	2 45.02	− 1 55.4	1.893	2.722	13.5	20.8
12 17	2 40.31	− 0 56.2	1.978	2.719	16.0	21.0

423838 2006 QZ_7 11 11.1 58°.68 3°.1/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.05	+13 33.9	1.149	2.017	18.7	20.8
10 18	3 29.92	+12 43.3	1.116	2.045	13.7	20.6
10 28	3 20.87	+11 47.6	1.104	2.074	8.2	20.4
11 7	3 10.24	+10 53.3	1.116	2.102	3.5	20.2
11 17	2 59.62	+10 7.4	1.153	2.131	5.3	20.4
11 27	2 50.58	+ 9 36.3	1.216	2.160	10.1	20.8
12 7	2 44.18	+ 9 23.3	1.302	2.189	14.6	21.1
12 17	2 40.91	+ 9 28.8	1.408	2.218	18.2	21.4

181274 2005 XC_8 11 11.1 93°.18 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.80	+14 54.3	2.169	3.010	12.1	20.7
10 18	3 25.18	+14 31.4	2.109	3.025	8.9	20.5
10 28	3 17.80	+14 4.2	2.074	3.039	5.3	20.3
11 7	3 9.37	+13 35.1	2.066	3.054	1.8	20.1
11 17	3 0.74	+13 7.4	2.088	3.069	2.9	20.2
11 27	2 52.83	+12 44.5	2.140	3.083	6.5	20.5
12 7	2 46.38	+12 29.5	2.219	3.097	9.8	20.7
12 17	2 41.90	+12 24.1	2.321	3.111	12.5	20.9

46682 1997 AV_5 11 11.1 221°.73 2°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.92	+24 34.2	1.671	2.499	15.7	18.9
10 18	3 29.13	+24 28.1	1.590	2.494	12.1	18.6
10 28	3 20.62	+24 7.2	1.531	2.488	7.9	18.4
11 7	3 10.29	+23 31.9	1.498	2.482	3.5	18.1
11 17	2 59.37	+22 44.8	1.493	2.476	3.2	18.1
11 27	2 49.30	+21 51.6	1.516	2.469	7.6	18.3
12 7	2 41.28	+20 59.7	1.565	2.462	11.9	18.5
12 17	2 36.08	+20 15.6	1.636	2.454	15.7	18.8

347354 2012 QU_{29} 11 11.1 25°.75 0°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.53	+18 31.2	1.149	2.019	18.5	20.5
10 18	3 26.29	+18 10.2	1.100	2.030	13.8	20.2
10 28	3 18.98	+17 37.5	1.071	2.042	8.3	20.0
11 7	3 9.78	+16 56.9	1.065	2.054	2.4	19.7
11 17	3 0.23	+16 14.2	1.084	2.068	3.6	19.8
11 27	2 51.97	+15 36.6	1.127	2.083	9.2	20.2
12 7	2 46.23	+15 10.4	1.194	2.099	14.1	20.5
12 17	2 43.66	+14 59.1	1.280	2.116	18.2	20.8

362459 2010 RT_{139} 11 11.1 28°.97 3°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.96	+11 9.1	1.767	2.625	13.7	20.6
10 18	3 24.22	+10 18.9	1.705	2.629	10.1	20.4
10 28	3 17.40	+ 9 25.6	1.666	2.633	6.3	20.2
11 7	3 9.29	+ 8 34.4	1.654	2.637	3.4	20.0
11 17	3 0.89	+ 7 50.3	1.670	2.642	4.9	20.1
11 27	2 53.27	+ 7 18.5	1.713	2.647	8.5	20.4
12 7	2 47.31	+ 7 1.8	1.781	2.652	12.1	20.6
12 17	2 43.59	+ 7 1.5	1.871	2.658	15.2	20.8

237945 2002 RR_{18} 11 11.1 90°.11 5°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.12	+33 3.2	1.997	2.778	15.2	20.7
10 18	3 31.76	+33 39.4	1.940	2.804	12.2	20.5
10 28	3 21.94	+33 57.8	1.906	2.830	9.0	20.4
11 7	3 10.63	+33 56.2	1.898	2.856	6.3	20.3
11 17	2 59.05	+33 35.1	1.918	2.881	5.5	20.3
11 27	2 48.51	+32 58.5	1.966	2.905	7.3	20.4
12 7	2 40.06	+32 13.1	2.042	2.929	10.1	20.6
12 17	2 34.31	+31 26.0	2.143	2.953	12.8	20.9

390948 2005 JT_{147} 11 11.1 164°.90 5°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.32	+ 0 23.0	2.574	3.406	10.7	22.2
10 18	3 25.30	− 0 21.5	2.512	3.412	8.4	22.0
10 28	3 17.79	− 1 0.8	2.476	3.417	6.2	21.9
11 7	3 9.38	− 1 30.8	2.468	3.422	5.3	21.9
11 17	3 0.78	− 1 48.2	2.490	3.427	6.2	21.9
11 27	2 52.74	− 1 50.8	2.540	3.430	8.3	22.1
12 7	2 45.91	− 1 38.0	2.617	3.433	10.6	22.2
12 17	2 40.76	− 1 10.8	2.717	3.435	12.6	22.4

135562 2002 FX_7 11 11.1 121°.02 3°.5/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.18	+26 28.2	1.592	2.411	16.8	20.5
10 18	3 32.24	+26 45.4	1.530	2.425	13.0	20.3
10 28	3 22.43	+26 46.8	1.488	2.439	8.7	20.1
11 7	3 10.81	+26 31.3	1.473	2.452	4.6	19.9
11 17	2 58.79	+26 0.6	1.485	2.464	4.0	19.9
11 27	2 47.91	+25 20.0	1.525	2.476	7.7	20.1
12 7	2 39.38	+24 37.0	1.591	2.488	11.8	20.4
12 17	2 33.90	+23 58.5	1.681	2.498	15.3	20.7

228929 2003 SF_{299} 11 11.1 23°.10 4°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.39	+32 39.4	1.693	2.505	16.3	18.4
10 18	3 24.11	+32 8.2	1.630	2.516	12.9	18.2
10 28	3 17.42	+31 14.4	1.587	2.528	9.2	18.0
11 7	3 9.31	+29 59.2	1.569	2.541	5.6	17.9
11 17	3 0.97	+28 27.1	1.578	2.554	4.4	17.8
11 27	2 53.65	+26 46.2	1.615	2.569	7.1	18.0
12 7	2 48.32	+25 6.0	1.678	2.584	10.7	18.3
12 17	2 45.53	+23 34.7	1.766	2.600	14.0	18.5

392719 2012 KT_{34} 11 11.1 274°.83 0°.8/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.81	+17 45.4	2.332	3.170	11.5	21.4
10 18	3 23.12	+16 59.3	2.241	3.156	8.5	21.2
10 28	3 16.69	+16 4.8	2.175	3.141	5.1	21.0
11 7	3 9.11	+15 5.1	2.138	3.126	1.6	20.7
11 17	3 1.16	+14 3.9	2.130	3.111	2.7	20.8
11 27	2 53.72	+13 6.4	2.152	3.096	6.3	21.0
12 7	2 47.55	+12 17.1	2.201	3.081	9.8	21.2
12 17	2 43.21	+11 39.2	2.275	3.066	12.7	21.4

144146 2004 BW_{93} 11 11.1 314°.58 5°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.69	+ 9 13.9	1.344	2.214	16.4	19.8
10 18	3 26.19	+ 8 5.3	1.277	2.206	12.4	19.6
10 28	3 18.93	+ 6 53.5	1.232	2.199	8.1	19.3
11 7	3 9.83	+ 5 46.0	1.212	2.191	5.2	19.2
11 17	3 0.19	+ 4 51.0	1.217	2.185	7.1	19.2
11 27	2 51.47	+ 4 15.6	1.247	2.178	11.4	19.5
12 7	2 44.88	+ 4 3.6	1.300	2.172	15.7	19.7
12 17	2 41.16	+ 4 15.2	1.372	2.166	19.4	19.9

141789 2002 NS_{20} 11 11.1 69°.46 1°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.49	+14 28.6	2.202	3.046	11.8	19.7
10 18	3 23.46	+13 47.8	2.143	3.061	8.7	19.5
10 28	3 16.77	+13 2.6	2.110	3.076	5.2	19.3
11 7	3 9.10	+12 16.3	2.104	3.091	2.0	19.1
11 17	3 1.27	+11 32.8	2.128	3.107	3.2	19.2
11 27	2 54.12	+10 56.3	2.182	3.122	6.6	19.5
12 7	2 48.36	+10 29.7	2.262	3.137	9.7	19.7
12 17	2 44.45	+10 14.9	2.366	3.152	12.4	19.9

123690 2000 YO_{99} 11 11.1 357°.40 4°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.21	+ 8 17.2	1.459	2.330	15.3	18.8
10 18	3 23.38	+ 7 41.2	1.396	2.325	11.5	18.6
10 28	3 17.12	+ 7 5.6	1.355	2.322	7.4	18.3
11 7	3 9.28	+ 6 35.9	1.339	2.319	4.6	18.2
11 17	3 1.00	+ 6 17.3	1.348	2.318	6.1	18.3
11 27	2 53.55	+ 6 14.2	1.383	2.319	10.0	18.5
12 7	2 47.98	+ 6 28.6	1.441	2.320	14.0	18.7
12 17	2 44.96	+ 7 0.1	1.519	2.323	17.4	19.0

144640 2004 FO_{93} 11 11.1 107°.85 3°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.09	+11 0.2	1.945	2.796	12.9	20.1
10 18	3 24.92	+10 17.0	1.879	2.799	9.6	19.9
10 28	3 17.79	+ 9 31.3	1.837	2.802	6.0	19.7
11 7	3 9.44	+ 8 47.4	1.822	2.805	3.2	19.6
11 17	3 0.81	+ 8 9.6	1.836	2.808	4.5	19.7
11 27	2 52.88	+ 7 42.4	1.878	2.811	8.0	19.9
12 7	2 46.50	+ 7 28.5	1.946	2.814	11.4	20.1
12 17	2 42.24	+ 7 29.2	2.036	2.817	14.4	20.3

50967 2000 GE_{86} 11 11.1 138°.77 2°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.94	+24 20.7	2.134	2.946	13.3	19.1
10 18	3 29.33	+24 47.6	2.060	2.953	10.2	18.9
10 28	3 20.52	+25 4.4	2.010	2.961	6.7	18.7
11 7	3 10.29	+25 10.1	1.987	2.968	3.4	18.5
11 17	2 59.64	+25 5.5	1.994	2.974	3.1	18.5
11 27	2 49.70	+24 53.3	2.031	2.980	6.3	18.7
12 7	2 41.43	+24 37.7	2.096	2.986	9.7	18.9
12 17	2 35.49	+24 23.2	2.185	2.992	12.7	19.1

75352 1999 XH_{68} 11 11.2 269°.05 5°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.02	+ 2 11.5	1.795	2.641	14.0	19.2
10 18	3 28.01	+ 1 49.7	1.726	2.637	10.9	19.0
10 28	3 19.76	+ 1 34.2	1.681	2.633	7.7	18.8
11 7	3 10.07	+ 1 29.9	1.662	2.630	5.8	18.7
11 17	2 59.96	+ 1 40.2	1.671	2.626	7.0	18.7
11 27	2 50.60	+ 2 7.3	1.707	2.623	10.0	18.9
12 7	2 42.95	+ 2 50.9	1.769	2.619	13.3	19.1
12 17	2 37.68	+ 3 49.4	1.852	2.615	16.2	19.3

263522 2008 EN_{153} 11 11.2 332°.74 1°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.58	+16 28.0	1.131	2.006	18.4	20.6
10 18	3 26.04	+16 2.3	1.060	1.993	13.8	20.3
10 28	3 19.19	+15 25.9	1.008	1.980	8.4	20.0
11 7	3 10.02	+14 42.8	0.980	1.968	2.6	19.6
11 17	3 0.02	+13 59.2	0.975	1.958	4.4	19.7
11 27	2 50.99	+13 23.0	0.994	1.948	10.3	20.0
12 7	2 44.46	+13 1.0	1.035	1.940	15.8	20.3
12 17	2 41.36	+12 57.1	1.094	1.932	20.5	20.5

321349 2009 KX_{14} 11 11.2 162°.00 1°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.92	+14 35.4	1.635	2.481	15.2	21.5
10 18	3 29.62	+14 5.8	1.568	2.486	11.3	21.3
10 28	3 20.80	+13 30.0	1.524	2.491	6.8	21.0
11 7	3 10.39	+12 51.8	1.507	2.494	2.4	20.7
11 17	2 59.59	+12 15.5	1.518	2.498	3.9	20.9
11 27	2 49.71	+11 46.4	1.557	2.500	8.4	21.1
12 7	2 41.85	+11 28.8	1.622	2.503	12.6	21.4
12 17	2 36.66	+11 24.9	1.709	2.504	16.1	21.6

265291 2004 GG_{37} 11 11.2 164°.77 3°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.27	+27 43.1	2.461	3.257	12.2	21.6
10 18	3 27.90	+28 1.0	2.380	3.262	9.6	21.4
10 28	3 19.59	+28 7.3	2.324	3.266	6.6	21.2
11 7	3 10.02	+28 1.4	2.296	3.270	3.8	21.0
11 17	3 0.08	+27 44.0	2.297	3.273	3.3	21.0
11 27	2 50.74	+27 17.8	2.329	3.275	5.8	21.2
12 7	2 42.87	+26 47.3	2.389	3.278	8.7	21.4
12 17	2 37.06	+26 17.2	2.474	3.279	11.4	21.5

178090 2006 SO_{212} 11 11.2 104°.73 2°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.90	+26 25.5	1.957	2.775	14.1	20.5
10 18	3 26.52	+26 22.1	1.880	2.777	10.9	20.3
10 28	3 18.89	+26 4.6	1.827	2.779	7.3	20.1
11 7	3 9.83	+25 33.5	1.800	2.780	3.7	19.8
11 17	3 0.37	+24 50.9	1.801	2.782	3.2	19.8
11 27	2 51.67	+24 1.6	1.831	2.784	6.5	20.0
12 7	2 44.71	+23 11.7	1.889	2.786	10.2	20.3
12 17	2 40.12	+22 26.9	1.970	2.787	13.4	20.5

159453 2000 BH_{44} 11 11.2 162°.49 0°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.91	+20 56.1	2.837	3.657	10.2	21.4
10 18	3 23.59	+20 39.8	2.759	3.662	7.6	21.3
10 28	3 16.83	+20 16.3	2.706	3.665	4.7	21.1
11 7	3 9.18	+19 47.0	2.682	3.669	1.6	20.9
11 17	3 1.29	+19 13.8	2.689	3.672	1.8	20.9
11 27	2 53.90	+18 40.0	2.726	3.675	4.9	21.1
12 7	2 47.63	+18 8.7	2.792	3.678	7.7	21.3
12 17	2 42.94	+17 42.8	2.885	3.680	10.2	21.5

243007 2006 UL_{62} 11 11.2 114°.25 0°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.37	+17 19.4	1.970	2.810	13.2	21.1
10 18	3 25.94	+17 0.2	1.899	2.814	9.8	20.9
10 28	3 18.46	+16 34.1	1.853	2.818	5.9	20.7
11 7	3 9.69	+16 3.2	1.834	2.822	1.7	20.4
11 17	3 0.59	+15 31.1	1.844	2.826	2.7	20.5
11 27	2 52.22	+15 1.8	1.882	2.830	6.8	20.7
12 7	2 45.46	+14 39.3	1.948	2.834	10.5	21.0
12 17	2 40.88	+14 26.5	2.037	2.838	13.7	21.2

322765 2001 FY_{44} 11 11.2 211°.56 4°.6/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.11	+ 3 39.4	2.729	3.569	9.9	20.7
10 18	3 22.26	+ 2 27.6	2.655	3.564	7.6	20.5
10 28	3 16.04	+ 1 17.5	2.609	3.558	5.5	20.4
11 7	3 8.95	+ 0 13.5	2.591	3.552	4.6	20.3
11 17	3 1.63	− 0 39.9	2.603	3.545	5.7	20.4
11 27	2 54.76	− 1 19.3	2.644	3.538	7.8	20.5
12 7	2 48.93	− 1 42.8	2.712	3.530	10.2	20.7
12 17	2 44.60	− 1 50.0	2.802	3.523	12.2	20.8

107634 2001 EG_{12} 11 11.2 309°.50 2°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.26	+13 47.5	1.516	2.375	15.5	19.4
10 18	3 26.75	+13 31.5	1.424	2.349	11.6	19.1
10 28	3 19.45	+13 10.3	1.354	2.323	7.2	18.8
11 7	3 10.12	+12 46.9	1.309	2.297	2.7	18.5
11 17	2 59.89	+12 25.4	1.291	2.272	4.2	18.5
11 27	2 50.24	+12 10.9	1.299	2.247	9.2	18.7
12 7	2 42.49	+12 7.9	1.332	2.222	14.1	19.0
12 17	2 37.57	+12 19.1	1.385	2.199	18.3	19.2

450659 2006 UX_{208} 11 11.2 341°.34 0°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.34	+15 2.8	1.482	2.341	15.7	20.1
10 18	3 26.71	+15 16.8	1.406	2.330	11.8	19.8
10 28	3 19.33	+15 26.8	1.351	2.320	7.2	19.5
11 7	3 10.05	+15 34.2	1.322	2.310	2.2	19.2
11 17	3 0.07	+15 41.1	1.318	2.302	3.3	19.2
11 27	2 50.84	+15 50.5	1.342	2.294	8.4	19.5
12 7	2 43.62	+16 5.9	1.390	2.288	13.0	19.8
12 17	2 39.24	+16 29.4	1.459	2.282	17.0	20.0

241017 2006 QN_{9} 11 11.2 69°.10 7°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.00	+ 0 35.9	1.765	2.612	14.2	20.6
10 18	3 26.75	− 1 6.6	1.743	2.650	11.0	20.5
10 28	3 18.68	− 2 40.0	1.745	2.687	8.4	20.4
11 7	3 9.68	− 3 56.6	1.775	2.724	7.4	20.5
11 17	3 0.77	− 4 50.8	1.832	2.760	8.7	20.6
11 27	2 52.92	− 5 19.8	1.915	2.796	11.0	20.8
12 7	2 46.85	− 5 24.0	2.022	2.832	13.5	21.1
12 17	2 42.95	− 5 6.4	2.149	2.866	15.6	21.3

403171 2008 GG_{126} 11 11.2 264°.28 0°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.67	+20 19.6	2.056	2.892	12.9	21.4
10 18	3 24.68	+19 49.5	1.978	2.890	9.6	21.2
10 28	3 17.72	+19 9.6	1.924	2.888	5.9	21.0
11 7	3 9.49	+18 22.1	1.897	2.886	1.8	20.7
11 17	3 0.92	+17 30.6	1.900	2.883	2.4	20.8
11 27	2 53.00	+16 40.3	1.931	2.881	6.5	21.0
12 7	2 46.61	+15 56.0	1.990	2.879	10.1	21.2
12 17	2 42.33	+15 21.7	2.072	2.877	13.3	21.5

233936 2009 VZ_{38} 11 11.2 348°.70 1°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.74	+22 37.2	1.106	1.976	19.2	19.8
10 18	3 24.78	+22 27.1	1.039	1.966	14.7	19.5
10 28	3 18.46	+21 59.2	0.990	1.958	9.3	19.2
11 7	3 9.83	+21 15.1	0.964	1.951	3.5	18.8
11 17	3 0.43	+20 19.8	0.961	1.946	3.6	18.8
11 27	2 52.11	+19 21.9	0.981	1.942	9.4	19.1
12 7	2 46.38	+18 30.9	1.024	1.939	14.9	19.4
12 17	2 44.11	+17 54.2	1.086	1.938	19.5	19.7

65353 2002 NR_{40} 11 11.2 103°.22 0°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.68	+19 41.0	2.485	3.313	11.2	20.7
10 18	3 24.28	+19 22.5	2.419	3.326	8.3	20.5
10 28	3 17.28	+18 56.8	2.378	3.340	5.0	20.3
11 7	3 9.33	+18 25.8	2.365	3.353	1.6	20.1
11 17	3 1.19	+17 52.0	2.383	3.367	2.0	20.2
11 27	2 53.67	+17 18.8	2.431	3.380	5.4	20.4
12 7	2 47.44	+16 49.7	2.507	3.392	8.5	20.6
12 17	2 42.99	+16 27.6	2.608	3.405	11.1	20.8

91739 1999 TA_{175} 11 11.2 217°.55 2°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.11	+27 0.7	2.563	3.362	11.7	19.2
10 18	3 27.08	+27 22.1	2.473	3.356	9.2	19.0
10 28	3 19.15	+27 33.2	2.407	3.350	6.3	18.8
11 7	3 9.95	+27 33.2	2.368	3.343	3.6	18.6
11 17	3 0.28	+27 22.4	2.360	3.336	3.2	18.6
11 27	2 51.11	+27 3.3	2.382	3.329	5.6	18.7
12 7	2 43.27	+26 39.7	2.432	3.321	8.6	18.9
12 17	2 37.39	+26 15.8	2.508	3.313	11.3	19.1

371354 2006 LH_{1} 11 11.2 99°.46 5°.2/ 8.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.04	+ 8 18.9	1.491	2.345	15.9	21.8
10 18	3 29.49	+ 7 0.7	1.449	2.369	11.8	21.6
10 28	3 20.55	+ 5 42.8	1.431	2.393	7.7	21.4
11 7	3 10.29	+ 4 32.6	1.439	2.415	5.2	21.3
11 17	2 59.97	+ 3 37.1	1.474	2.437	6.8	21.5
11 27	2 50.85	+ 3 1.6	1.537	2.459	10.4	21.8
12 7	2 43.87	+ 2 47.9	1.624	2.479	14.0	22.0
12 17	2 39.55	+ 2 55.2	1.731	2.499	17.0	22.3

285036 2011 EJ_{51} 11 11.2 180°.72 1°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.52	+15 30.2	1.991	2.827	13.2	22.1
10 18	3 28.27	+15 4.8	1.916	2.829	9.8	21.9
10 28	3 19.89	+14 33.5	1.865	2.830	5.9	21.7
11 7	3 10.16	+13 58.8	1.842	2.830	1.9	21.4
11 17	3 0.06	+13 24.5	1.849	2.829	3.2	21.5
11 27	2 50.68	+12 54.8	1.885	2.828	7.2	21.8
12 7	2 42.95	+12 33.6	1.949	2.826	10.9	22.0
12 17	2 37.49	+12 23.5	2.036	2.824	14.1	22.2

442328 2011 SQ_{144} 11 11.2 356°.39 0°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.05	+19 39.7	1.477	2.330	16.1	21.1
10 18	3 26.45	+19 41.8	1.407	2.327	12.2	20.8
10 28	3 19.13	+19 33.8	1.359	2.325	7.5	20.5
11 7	3 9.99	+19 17.2	1.335	2.323	2.5	20.2
11 17	3 0.29	+18 54.7	1.338	2.322	3.0	20.3
11 27	2 51.48	+18 31.3	1.367	2.322	8.0	20.6
12 7	2 44.74	+18 12.5	1.421	2.323	12.5	20.8
12 17	2 40.84	+18 2.5	1.497	2.324	16.4	21.1

355140 2006 UQ_{257} 11 11.2 101°.64 1°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.14	+22 35.1	1.946	2.773	13.9	21.1
10 18	3 27.43	+22 44.5	1.872	2.776	10.5	20.8
10 28	3 19.48	+22 43.8	1.821	2.778	6.7	20.6
11 7	3 10.06	+22 33.1	1.796	2.781	2.8	20.4
11 17	3 0.22	+22 14.1	1.801	2.784	2.7	20.4
11 27	2 51.11	+21 50.6	1.834	2.786	6.5	20.6
12 7	2 43.72	+21 27.2	1.894	2.789	10.3	20.9
12 17	2 38.69	+21 8.4	1.978	2.791	13.6	21.1

28147 1998 TD_{32} 11 11.2 274°.74 3°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.35	+25 24.8	1.568	2.399	16.4	18.6
10 18	3 29.03	+25 32.8	1.486	2.389	12.8	18.3
10 28	3 20.79	+25 25.6	1.424	2.380	8.5	18.0
11 7	3 10.53	+25 2.5	1.388	2.370	4.2	17.8
11 17	2 59.54	+24 25.2	1.378	2.360	3.7	17.7
11 27	2 49.36	+23 39.0	1.396	2.350	7.9	17.9
12 7	2 41.34	+22 51.5	1.439	2.340	12.4	18.2
12 17	2 36.31	+22 9.9	1.504	2.331	16.4	18.4

128629 2004 RS_{10} 11 11.2 38°.85 6°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.85	+36 8.6	1.904	2.684	15.9	19.4
10 18	3 28.30	+36 47.6	1.836	2.694	13.1	19.2
10 28	3 20.14	+37 6.7	1.789	2.703	10.2	19.1
11 7	3 10.28	+37 3.0	1.766	2.714	7.6	18.9
11 17	2 59.95	+36 36.5	1.770	2.724	6.7	18.9
11 27	2 50.54	+35 51.0	1.800	2.735	8.1	19.0
12 7	2 43.17	+34 53.7	1.856	2.746	10.7	19.2
12 17	2 38.55	+33 52.7	1.936	2.758	13.4	19.4

474998 2005 TZ_{145} 11 11.2 358°.45 2°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.54	+13 15.0	1.113	1.992	18.3	20.6
10 18	3 25.85	+12 55.0	1.054	1.988	13.7	20.3
10 28	3 18.99	+12 29.8	1.014	1.986	8.3	20.0
11 7	3 9.99	+12 4.2	0.997	1.984	3.3	19.7
11 17	3 0.37	+11 43.7	1.003	1.984	5.0	19.8
11 27	2 51.85	+11 34.2	1.034	1.985	10.4	20.1
12 7	2 45.82	+11 39.6	1.086	1.988	15.5	20.4
12 17	2 43.07	+12 1.5	1.157	1.992	19.8	20.7

42041 2000 YB_{100} 11 11.2 151°.98 1°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.77	+14 2.3	2.415	3.254	11.1	19.5
10 18	3 24.42	+13 38.6	2.343	3.258	8.2	19.3
10 28	3 17.43	+13 11.2	2.296	3.262	4.9	19.1
11 7	3 9.43	+12 42.6	2.278	3.265	1.8	18.9
11 17	3 1.17	+12 15.7	2.289	3.268	2.9	19.0
11 27	2 53.48	+11 53.7	2.331	3.272	6.2	19.2
12 7	2 47.06	+11 39.3	2.400	3.275	9.3	19.4
12 17	2 42.42	+11 34.4	2.493	3.277	11.9	19.6

368042 2012 HW_{12} 11 11.2 171°.90 3°.9/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.23	+ 5 42.6	2.461	3.305	10.8	21.1
10 18	3 23.22	+ 5 4.1	2.392	3.305	8.1	21.0
10 28	3 16.69	+ 4 27.3	2.349	3.306	5.5	20.8
11 7	3 9.21	+ 3 56.0	2.334	3.306	3.9	20.7
11 17	3 1.49	+ 3 33.5	2.348	3.307	5.0	20.8
11 27	2 54.29	+ 3 22.7	2.391	3.307	7.5	20.9
12 7	2 48.27	+ 3 24.8	2.461	3.307	10.1	21.1
12 17	2 43.93	+ 3 40.1	2.553	3.307	12.5	21.3

314410 2005 UT_{312} 11 11.2 143°.83 1°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.18	+25 17.1	2.177	2.996	12.9	20.2
10 18	3 25.00	+24 51.5	2.099	2.998	9.8	20.0
10 28	3 17.90	+24 13.0	2.045	3.000	6.4	19.8
11 7	3 9.59	+23 22.8	2.019	3.002	2.8	19.6
11 17	3 0.97	+22 24.3	2.021	3.004	2.5	19.6
11 27	2 53.05	+21 22.4	2.053	3.006	5.9	19.8
12 7	2 46.64	+20 22.8	2.113	3.007	9.4	20.0
12 17	2 42.31	+19 30.6	2.198	3.009	12.4	20.2

86833 2000 GZ_{153} 11 11.2 157°.33 1°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.05	+25 12.5	1.990	2.805	14.0	19.3
10 18	3 28.72	+24 50.5	1.916	2.813	10.7	19.1
10 28	3 20.18	+24 14.5	1.866	2.820	6.9	18.9
11 7	3 10.27	+23 25.7	1.842	2.826	3.0	18.7
11 17	3 0.05	+22 27.4	1.849	2.831	2.7	18.7
11 27	2 50.67	+21 25.2	1.885	2.836	6.5	18.9
12 7	2 43.07	+20 25.4	1.948	2.840	10.2	19.2
12 17	2 37.87	+19 33.6	2.037	2.844	13.4	19.4

322968 2002 KT_{15} 11 11.2 101°.96 0°.6/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.30	+21 0.3	1.553	2.390	16.3	22.1
10 18	3 30.64	+20 37.2	1.500	2.411	12.2	21.9
10 28	3 21.38	+20 1.9	1.468	2.431	7.4	21.7
11 7	3 10.61	+19 16.8	1.463	2.451	2.4	21.4
11 17	2 59.65	+18 26.4	1.486	2.470	2.9	21.5
11 27	2 49.88	+17 37.2	1.537	2.489	7.7	21.9
12 7	2 42.34	+16 55.3	1.615	2.507	11.9	22.2
12 17	2 37.62	+16 25.2	1.714	2.524	15.4	22.4

482701 2013 CV_{140} 11 11.2 176°.07 6°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.16	+39 23.5	2.246	2.994	14.7	21.1
10 18	3 29.82	+39 51.7	2.163	2.995	12.4	20.9
10 28	3 21.01	+40 0.1	2.101	2.996	9.9	20.7
11 7	3 10.56	+39 45.6	2.064	2.997	7.7	20.6
11 17	2 59.63	+39 7.9	2.054	2.998	6.8	20.6
11 27	2 49.49	+38 10.2	2.072	2.998	7.9	20.6
12 7	2 41.24	+36 59.6	2.117	2.997	10.1	20.8
12 17	2 35.59	+35 43.8	2.187	2.997	12.5	20.9

21151 1993 LO_{1} 11 11.2 157°.57 4°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.75	+33 46.8	2.491	3.261	12.8	19.4
10 18	3 29.04	+33 54.9	2.412	3.269	10.4	19.2
10 28	3 20.31	+33 47.1	2.356	3.277	7.7	19.1
11 7	3 10.32	+33 22.3	2.327	3.284	5.3	19.0
11 17	3 0.01	+32 41.4	2.327	3.291	4.5	18.9
11 27	2 50.43	+31 48.1	2.357	3.297	6.2	19.0
12 7	2 42.45	+30 48.2	2.416	3.302	8.7	19.2
12 17	2 36.66	+29 47.5	2.500	3.306	11.3	19.4

511643 2015 BQ_{197} 11 11.2 17°.45 0°.2/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.02	+18 30.7	1.032	1.906	19.9	20.8
10 18	3 28.68	+18 29.8	0.978	1.909	15.0	20.5
10 28	3 20.79	+18 17.2	0.943	1.913	9.1	20.2
11 7	3 10.55	+17 55.3	0.930	1.919	2.8	19.8
11 17	2 59.72	+17 28.4	0.940	1.925	3.7	19.9
11 27	2 50.23	+17 3.5	0.974	1.932	9.9	20.3
12 7	2 43.60	+16 47.4	1.030	1.940	15.4	20.6
12 17	2 40.62	+16 44.5	1.105	1.949	19.9	21.0

448954 2011 WF_{73} 11 11.2 258°.91 1°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.76	+25 12.4	1.977	2.801	13.8	20.8
10 18	3 25.69	+24 46.8	1.895	2.796	10.6	20.6
10 28	3 18.45	+24 6.8	1.835	2.791	6.9	20.4
11 7	3 9.80	+23 13.9	1.802	2.786	3.0	20.1
11 17	3 0.74	+22 11.3	1.798	2.781	2.7	20.1
11 27	2 52.40	+21 4.9	1.822	2.776	6.5	20.3
12 7	2 45.71	+20 1.0	1.874	2.771	10.3	20.5
12 17	2 41.31	+19 5.5	1.950	2.765	13.6	20.7

156639 2002 JV_{25} 11 11.2 122°.28 2°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 28.56	+13 14.9	2.659	3.496	10.3	21.0
10 18	3 23.30	+12 16.2	2.597	3.511	7.5	20.8
10 28	3 16.65	+11 13.8	2.561	3.526	4.6	20.7
11 7	3 9.20	+10 11.5	2.555	3.540	2.2	20.5
11 17	3 1.63	+ 9 13.1	2.580	3.554	3.3	20.6
11 27	2 54.63	+ 8 22.6	2.636	3.567	6.1	20.8
12 7	2 48.79	+ 7 42.8	2.719	3.580	8.8	21.0
12 17	2 44.54	+ 7 15.4	2.827	3.593	11.1	21.2

454123 2013 CW_{143} 11 11.2 181°.78 5°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.40	+ 2 7.4	2.505	3.343	10.8	22.1
10 18	3 24.05	+ 1 3.8	2.438	3.344	8.4	21.9
10 28	3 17.18	+ 0 3.6	2.398	3.344	6.2	21.8
11 7	3 9.39	− 0 48.4	2.387	3.344	5.2	21.7
11 17	3 1.36	− 1 28.1	2.404	3.343	6.2	21.8
11 27	2 53.87	− 1 52.1	2.450	3.342	8.5	21.9
12 7	2 47.56	− 1 59.3	2.522	3.340	10.8	22.1
12 17	2 42.92	− 1 50.0	2.616	3.338	13.0	22.3

167237 2003 UJ_{70} 11 11.2 35°.78 1°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.47	+21 11.4	1.370	2.222	17.2	20.0
10 18	3 27.47	+21 8.4	1.317	2.235	12.9	19.8
10 28	3 19.68	+20 52.9	1.285	2.249	8.0	19.6
11 7	3 10.18	+20 26.5	1.277	2.264	2.8	19.3
11 17	3 0.34	+19 53.0	1.295	2.279	3.0	19.4
11 27	2 51.64	+19 18.5	1.340	2.295	8.0	19.7
12 7	2 45.24	+18 49.1	1.409	2.312	12.5	20.0
12 17	2 41.78	+18 29.5	1.499	2.329	16.3	20.3

67936 2000 WP_{135} 11 11.2 33°.81 2°.3/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.83	+21 2.8	1.152	2.009	19.5	18.2
10 18	3 31.35	+21 39.4	1.097	2.017	14.8	18.0
10 28	3 22.36	+22 4.3	1.062	2.026	9.4	17.7
11 7	3 11.04	+22 16.1	1.049	2.035	3.8	17.4
11 17	2 59.12	+22 15.9	1.061	2.045	3.8	17.4
11 27	2 48.53	+22 8.2	1.099	2.056	9.2	17.8
12 7	2 40.77	+21 59.9	1.159	2.067	14.2	18.1
12 17	2 36.64	+21 56.7	1.240	2.079	18.4	18.4

451529 2011 WJ_{20} 11 11.2 174°.09 1°.0/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.03	+23 15.4	2.201	3.024	12.6	21.6
10 18	3 25.60	+22 44.9	2.123	3.025	9.5	21.4
10 28	3 18.27	+22 2.8	2.068	3.027	6.0	21.2
11 7	3 9.74	+21 10.8	2.042	3.028	2.3	20.9
11 17	3 0.91	+20 12.4	2.044	3.028	2.3	20.9
11 27	2 52.75	+19 12.5	2.077	3.029	6.0	21.2
12 7	2 46.09	+18 16.7	2.138	3.029	9.5	21.4
12 17	2 41.48	+17 29.3	2.224	3.029	12.5	21.6

94174 2001 AP_{31} 11 11.2 16°.71 3°.9/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.14	+ 6 55.1	1.968	2.817	12.9	18.5
10 18	3 25.75	+ 6 36.2	1.901	2.818	9.7	18.3
10 28	3 18.39	+ 6 19.4	1.858	2.819	6.3	18.1
11 7	3 9.78	+ 6 8.2	1.843	2.821	4.0	17.9
11 17	3 0.85	+ 6 5.7	1.855	2.823	5.1	18.0
11 27	2 52.59	+ 6 14.6	1.896	2.825	8.3	18.2
12 7	2 45.86	+ 6 35.9	1.963	2.827	11.5	18.4
12 17	2 41.24	+ 7 9.6	2.053	2.830	14.4	18.6

182676 2001 UQ_{227} 11 11.2 67°.22 2°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.47	+11 27.0	1.865	2.717	13.3	20.8
10 18	3 25.31	+10 48.2	1.803	2.724	9.9	20.6
10 28	3 18.12	+10 6.8	1.765	2.730	6.1	20.4
11 7	3 9.69	+ 9 27.0	1.753	2.737	3.1	20.2
11 17	3 0.99	+ 8 53.0	1.770	2.744	4.4	20.3
11 27	2 53.05	+ 8 29.2	1.815	2.751	8.0	20.6
12 7	2 46.73	+ 8 18.3	1.886	2.758	11.5	20.8
12 17	2 42.59	+ 8 21.4	1.979	2.766	14.5	21.0

158614 2003 AT_{49} 11 11.2 237°.00 2°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.31	+11 57.1	1.840	2.685	13.8	20.8
10 18	3 28.42	+11 30.7	1.757	2.674	10.3	20.5
10 28	3 20.19	+11 1.0	1.697	2.662	6.4	20.3
11 7	3 10.38	+10 31.2	1.664	2.649	2.9	20.0
11 17	3 0.01	+10 5.5	1.660	2.636	4.3	20.1
11 27	2 50.28	+ 9 48.0	1.685	2.623	8.3	20.3
12 7	2 42.24	+ 9 42.2	1.735	2.609	12.3	20.5
12 17	2 36.62	+ 9 49.8	1.809	2.595	15.7	20.7

404779 2014 JU_{49} 11 11.2 119°.14 4°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.37	+ 6 39.2	1.955	2.806	12.9	21.7
10 18	3 25.12	+ 5 42.9	1.894	2.811	9.7	21.5
10 28	3 17.96	+ 4 47.7	1.858	2.817	6.5	21.3
11 7	3 9.65	+ 3 58.6	1.848	2.822	4.6	21.2
11 17	3 1.08	+ 3 20.7	1.868	2.827	5.9	21.3
11 27	2 53.23	+ 2 57.9	1.914	2.832	8.9	21.5
12 7	2 46.91	+ 2 52.1	1.986	2.837	12.0	21.7
12 17	2 42.66	+ 3 3.2	2.080	2.842	14.7	21.9

86672 2000 FV_{19} 11 11.2 326°.53 3°.9/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.36	+ 9 29.6	1.365	2.229	16.5	19.2
10 18	3 28.28	+ 9 8.0	1.296	2.222	12.4	18.9
10 28	3 20.33	+ 8 46.0	1.249	2.216	7.9	18.7
11 7	3 10.45	+ 8 28.3	1.226	2.210	4.2	18.4
11 17	2 59.94	+ 8 19.6	1.229	2.204	5.7	18.5
11 27	2 50.33	+ 8 24.2	1.258	2.199	10.3	18.8
12 7	2 42.90	+ 8 44.4	1.311	2.194	14.8	19.0
12 17	2 38.45	+ 9 20.4	1.383	2.190	18.6	19.3

268664 2006 ED_{43} 11 11.2 267°.49 7°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.47	− 5 31.0	2.356	3.188	11.6	20.3
10 18	3 22.78	− 6 45.1	2.292	3.181	9.6	20.1
10 28	3 16.50	− 7 50.6	2.253	3.173	8.1	20.0
11 7	3 9.22	− 8 41.4	2.241	3.165	7.7	20.0
11 17	3 1.65	− 9 13.1	2.255	3.156	8.7	20.1
11 27	2 54.60	− 9 22.7	2.296	3.148	10.6	20.2
12 7	2 48.76	− 9 10.1	2.359	3.140	12.7	20.3
12 17	2 44.63	− 8 37.2	2.443	3.132	14.6	20.4

516327 2017 BM_{13} 11 11.2 12°.70 3°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.05	+10 49.7	1.779	2.634	13.7	20.9
10 18	3 25.14	+10 8.9	1.712	2.634	10.2	20.7
10 28	3 18.10	+ 9 25.6	1.670	2.635	6.4	20.5
11 7	3 9.72	+ 8 44.4	1.653	2.637	3.4	20.3
11 17	3 0.98	+ 8 10.0	1.665	2.638	4.8	20.4
11 27	2 53.00	+ 7 46.9	1.704	2.639	8.5	20.6
12 7	2 46.68	+ 7 38.0	1.768	2.641	12.1	20.9
12 17	2 42.63	+ 7 44.4	1.855	2.643	15.3	21.1

144897 2004 UX_{10} 11 11.2 99°.40 0°.2/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 8.73	+ 7 43.8	38.531	39.370	0.8	20.4
10 18	3 8.02	+ 7 39.5	38.458	39.371	0.6	20.4
10 28	3 7.23	+ 7 35.3	38.413	39.373	0.4	20.4
11 7	3 6.40	+ 7 31.4	38.397	39.374	0.2	20.4
11 17	3 5.55	+ 7 27.9	38.411	39.375	0.3	20.4
11 27	3 4.73	+ 7 24.9	38.455	39.376	0.5	20.4
12 7	3 3.95	+ 7 22.6	38.528	39.377	0.7	20.4
12 17	3 3.26	+ 7 21.0	38.627	39.379	0.9	20.5

394520 2007 TR_{328} 11 11.2 206°.89 2°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.71	+24 38.2	1.998	2.820	13.8	21.1
10 18	3 27.14	+24 30.6	1.917	2.817	10.6	20.9
10 28	3 19.35	+24 10.4	1.860	2.815	6.9	20.7
11 7	3 10.11	+23 38.0	1.829	2.812	3.1	20.5
11 17	3 0.43	+22 56.0	1.826	2.809	2.8	20.4
11 27	2 51.46	+22 9.0	1.853	2.805	6.5	20.7
12 7	2 44.16	+21 22.8	1.907	2.802	10.2	20.9
12 17	2 39.20	+20 42.5	1.985	2.798	13.5	21.1

468689 2009 SA_{234} 11 11.2 60°.71 3°.9/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.40	+13 18.4	1.263	2.129	17.5	20.9
10 18	3 27.90	+11 49.4	1.225	2.154	12.8	20.7
10 28	3 19.76	+10 14.9	1.210	2.179	7.8	20.5
11 7	3 10.16	+ 8 43.5	1.219	2.204	4.1	20.3
11 17	3 0.53	+ 7 24.3	1.255	2.229	6.0	20.5
11 27	2 52.25	+ 6 24.8	1.317	2.254	10.4	20.8
12 7	2 46.32	+ 5 49.0	1.402	2.279	14.5	21.1
12 17	2 43.23	+ 5 36.8	1.508	2.304	17.9	21.4

66614 1999 RE_{200} 11 11.2 235°.81 6°.7/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.64	+37 37.0	1.993	2.759	15.7	18.5
10 18	3 29.75	+37 55.2	1.903	2.751	13.1	18.3
10 28	3 21.14	+37 52.1	1.834	2.743	10.2	18.1
11 7	3 10.69	+37 24.5	1.789	2.734	7.7	17.9
11 17	2 59.63	+36 32.2	1.771	2.726	6.7	17.8
11 27	2 49.38	+35 19.6	1.780	2.716	8.2	17.9
12 7	2 41.16	+33 54.9	1.817	2.707	10.9	18.0
12 17	2 35.74	+32 27.1	1.878	2.697	13.9	18.2

13304 1998 RP_{47} 11 11.2 127°.99 3°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.04	+30 59.2	2.381	3.171	12.8	18.2
10 18	3 26.40	+31 10.1	2.303	3.176	10.2	18.1
10 28	3 18.79	+31 6.9	2.248	3.181	7.3	17.9
11 7	3 9.93	+30 48.8	2.219	3.186	4.7	17.8
11 17	3 0.72	+30 16.8	2.220	3.191	4.0	17.7
11 27	2 52.17	+29 34.3	2.250	3.195	6.0	17.9
12 7	2 45.12	+28 46.6	2.307	3.200	8.8	18.0
12 17	2 40.17	+27 59.0	2.390	3.204	11.5	18.2

434353 2004 RY_{204} 11 11.2 51°.59 5°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.73	+34 42.7	1.463	2.269	18.7	20.3
10 18	3 28.53	+34 22.7	1.402	2.281	15.0	20.1
10 28	3 20.36	+33 35.7	1.360	2.295	10.9	19.9
11 7	3 10.40	+32 21.2	1.342	2.308	7.1	19.7
11 17	3 0.17	+30 43.7	1.350	2.322	5.7	19.6
11 27	2 51.26	+28 52.8	1.384	2.337	8.2	19.8
12 7	2 44.84	+27 0.5	1.445	2.351	12.0	20.1
12 17	2 41.52	+25 17.3	1.528	2.366	15.6	20.3

120387 2005 QL_{38} 11 11.2 102°.46 0°.6/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.93	+18 5.1	1.668	2.509	15.2	20.4
10 18	3 29.46	+17 32.8	1.615	2.529	11.2	20.3
10 28	3 20.64	+16 51.6	1.584	2.550	6.7	20.0
11 7	3 10.45	+16 4.8	1.581	2.569	2.0	19.8
11 17	3 0.10	+15 16.9	1.606	2.589	3.0	19.9
11 27	2 50.81	+14 33.7	1.660	2.607	7.6	20.2
12 7	2 43.55	+14 0.1	1.740	2.626	11.6	20.5
12 17	2 38.87	+13 39.1	1.842	2.643	14.9	20.8

104729 2000 GT_{181} 11 11.2 349°.53 4°.2/ 8.5 18 R

10 8	3 27.21	+11 26.8	1.466	2.336	15.3	18.7
10 18	3 23.46	+10 14.2	1.400	2.330	11.4	18.5
10 28	3 17.27	+ 8 56.1	1.356	2.325	7.2	18.2
11 7	3 9.51	+ 7 39.5	1.338	2.320	4.2	18.0
11 17	3 1.31	+ 6 32.3	1.346	2.317	6.0	18.1
11 27	2 53.94	+ 5 41.7	1.379	2.314	10.1	18.4
12 7	2 48.46	+ 5 12.2	1.436	2.312	14.2	18.6
12 17	2 45.52	+ 5 5.0	1.513	2.311	17.7	18.8

245225 2004 XV_{77} 11 11.2 330°.11 3°.0/ 9.9 18

10 8	3 32.45	+10 57.7	1.426	2.288	16.1	20.4
10 18	3 27.60	+10 49.3	1.352	2.278	12.0	20.2
10 28	3 19.95	+10 39.7	1.300	2.268	7.5	19.9
11 7	3 10.37	+10 32.4	1.273	2.259	3.4	19.6
11 17	3 0.13	+10 31.1	1.271	2.250	4.8	19.7
11 27	2 50.68	+10 39.7	1.297	2.242	9.5	19.9
12 7	2 43.30	+11 0.6	1.346	2.234	14.1	20.2
12 17	2 38.82	+11 34.7	1.415	2.228	18.0	20.4

517062 2013 CP_{20} 11 11.2 60°.76 7°.6/16.6 18

10 8	3 35.46	+38 53.2	1.824	2.591	16.9	21.0
10 18	3 29.75	+39 24.1	1.751	2.596	14.2	20.8
10 28	3 21.17	+39 31.8	1.698	2.601	11.3	20.6
11 7	3 10.71	+39 12.8	1.668	2.607	8.7	20.5
11 17	2 59.73	+38 27.0	1.663	2.612	7.6	20.4
11 27	2 49.76	+37 18.9	1.686	2.618	8.8	20.5
12 7	2 42.05	+35 57.5	1.734	2.623	11.4	20.7
12 17	2 37.33	+34 32.4	1.805	2.629	14.2	20.9

184820 2005 TR_{162} 11 11.2 127°.18 0°.5/11.6 18

10 8	3 30.74	+20 54.1	2.197	3.027	12.4	20.7
10 18	3 25.36	+20 31.7	2.125	3.033	9.3	20.5
10 28	3 18.12	+20 0.0	2.078	3.039	5.7	20.3
11 7	3 9.74	+19 21.0	2.057	3.045	1.9	20.0
11 17	3 1.08	+18 37.7	2.067	3.051	2.2	20.1
11 27	2 53.09	+17 54.4	2.106	3.056	6.0	20.3
12 7	2 46.57	+17 15.7	2.173	3.062	9.4	20.5
12 17	2 42.06	+16 45.0	2.264	3.067	12.4	20.7

268618 2006 CF_{67} 11 11.2 269°.89 3°.2/ 8.5 17

10 8	3 27.54	+ 9 46.7	2.346	3.193	11.1	21.1
10 18	3 22.92	+ 8 52.6	2.265	3.183	8.3	20.9
10 28	3 16.64	+ 7 56.1	2.210	3.173	5.3	20.7
11 7	3 9.31	+ 7 1.6	2.183	3.162	3.3	20.5
11 17	3 1.65	+ 6 13.2	2.185	3.152	4.5	20.6
11 27	2 54.48	+ 5 35.3	2.216	3.141	7.4	20.8
12 7	2 48.53	+ 5 10.8	2.274	3.131	10.4	20.9
12 17	2 44.32	+ 5 0.9	2.354	3.120	13.1	21.1

358660 2007 WY_{2} 11 11.2 322°.76 5°.5/13.0 17

10 8	3 35.38	+26 57.3	1.478	2.306	17.4	20.8
10 18	3 30.44	+28 9.5	1.386	2.284	13.9	20.5
10 28	3 22.12	+29 10.9	1.316	2.263	10.0	20.2
11 7	3 11.16	+29 56.5	1.269	2.242	6.4	20.0
11 17	2 58.92	+30 22.9	1.249	2.222	5.9	19.9
11 27	2 47.22	+30 30.8	1.254	2.203	9.3	20.0
12 7	2 37.76	+30 25.8	1.284	2.185	13.7	20.2
12 17	2 31.73	+30 15.3	1.334	2.167	17.7	20.4

223431 2003 SB_{274} 11 11.2 327°.00 8°.9/12.8 16

10 8	3 40.82	+32 31.1	1.680	2.473	17.2	19.0
10 18	3 35.01	+34 37.4	1.567	2.433	14.5	18.7
10 28	3 25.36	+36 36.9	1.476	2.394	11.6	18.5
11 7	3 12.32	+38 20.7	1.410	2.356	9.3	18.2
11 17	2 57.07	+39 39.7	1.371	2.318	9.1	18.1
11 27	2 41.59	+40 29.4	1.359	2.281	11.4	18.2
12 7	2 28.05	+40 52.4	1.372	2.246	14.9	18.3
12 17	2 18.17	+40 57.0	1.405	2.211	18.4	18.4

298176 2002 TE_{166} 11 11.2 17°.52 3°.3/13.7 18

10 8	3 30.61	+29 49.9	1.641	2.461	16.3	19.8
10 18	3 25.96	+29 12.5	1.568	2.464	12.8	19.6
10 28	3 18.75	+28 13.4	1.517	2.466	8.7	19.4
11 7	3 9.96	+26 54.0	1.490	2.469	4.7	19.1
11 17	3 0.81	+25 19.2	1.491	2.472	3.7	19.1
11 27	2 52.65	+23 37.6	1.520	2.476	7.3	19.3
12 7	2 46.53	+21 58.9	1.576	2.480	11.3	19.6
12 17	2 43.09	+20 31.4	1.655	2.485	15.0	19.8

197269 2003 WJ_{93} 11 11.2 241°.79 2°.4/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.46	+29 29.1	2.690	3.484	11.4	20.0
10 18	3 24.27	+28 51.2	2.593	3.474	8.9	19.8
10 28	3 17.42	+27 58.7	2.522	3.464	6.1	19.6
11 7	3 9.54	+26 52.8	2.478	3.454	3.3	19.4
11 17	3 1.37	+25 36.1	2.464	3.444	2.7	19.3
11 27	2 53.75	+24 13.4	2.482	3.433	5.2	19.5
12 7	2 47.39	+22 50.3	2.529	3.422	8.1	19.7
12 17	2 42.82	+21 32.3	2.603	3.411	10.8	19.8

433615 2013 YA_{101} 11 11.2 323°.53 1°.4/12.3 15

10 8	3 27.90	+22 24.7	2.752	3.572	10.5	21.4
10 18	3 23.11	+22 33.9	2.662	3.562	7.9	21.2
10 28	3 16.75	+22 35.9	2.597	3.554	5.1	21.1
11 7	3 9.36	+22 31.1	2.561	3.545	2.2	20.8
11 17	3 1.60	+22 20.5	2.554	3.536	2.1	20.8
11 27	2 54.24	+22 6.5	2.577	3.528	5.0	21.0
12 7	2 47.99	+21 52.0	2.628	3.520	7.9	21.2
12 17	2 43.36	+21 39.8	2.705	3.512	10.5	21.4

166143 2002 EC_{2} 11 11.2 144°.84 0°.2/11.1 18

10 8	3 33.96	+18 36.5	2.099	2.929	12.9	21.3
10 18	3 27.75	+18 13.4	2.030	2.939	9.6	21.1
10 28	3 19.57	+17 42.5	1.986	2.949	5.8	20.9
11 7	3 10.18	+17 5.8	1.970	2.958	1.7	20.6
11 17	3 0.53	+16 26.7	1.984	2.967	2.5	20.7
11 27	2 51.63	+15 49.4	2.027	2.975	6.4	21.0
12 7	2 44.33	+15 18.3	2.099	2.982	10.0	21.2
12 17	2 39.18	+14 56.5	2.194	2.989	13.0	21.4

291979 2006 QT_{83} 11 11.2 165°.50 2°.9/13.2 18

10 8	3 34.11	+27 17.1	2.228	3.032	13.1	21.3
10 18	3 27.99	+27 22.0	2.149	3.036	10.2	21.1
10 28	3 19.80	+27 14.0	2.094	3.040	6.9	20.9
11 7	3 10.28	+26 52.9	2.066	3.043	3.8	20.7
11 17	3 0.38	+26 20.2	2.067	3.046	3.2	20.7
11 27	2 51.16	+25 39.6	2.098	3.048	6.1	20.9
12 7	2 43.54	+24 56.5	2.157	3.049	9.3	21.1
12 17	2 38.14	+24 16.0	2.241	3.051	12.3	21.3

12970 4012 $T\text{-}_{3}$ 11 11.2 81°.82 0°.8/11.7 18

10 8	3 32.52	+19 45.3	2.188	3.016	12.5	18.2
10 18	3 26.74	+19 57.0	2.116	3.022	9.4	18.1
10 28	3 19.01	+20 1.7	2.068	3.029	5.8	17.8
11 7	3 10.04	+20 0.0	2.048	3.035	2.0	17.6
11 17	3 0.72	+19 53.4	2.058	3.041	2.2	17.6
11 27	2 52.04	+19 44.6	2.097	3.048	6.0	17.9
12 7	2 44.85	+19 37.1	2.164	3.054	9.4	18.1
12 17	2 39.75	+19 33.7	2.255	3.061	12.4	18.3

323012 2002 PQ_{155} 11 11.2 89°.08 0°.8/11.6 16

10 8	3 38.80	+20 55.6	1.518	2.354	16.6	22.0
10 18	3 31.76	+20 42.7	1.470	2.381	12.4	21.8
10 28	3 22.10	+20 17.9	1.445	2.407	7.6	21.6
11 7	3 10.93	+19 43.2	1.446	2.433	2.5	21.3
11 17	2 59.65	+19 2.8	1.475	2.459	2.9	21.4
11 27	2 49.64	+18 22.4	1.532	2.484	7.6	21.7
12 7	2 41.96	+17 48.2	1.615	2.508	11.9	22.1
12 17	2 37.16	+17 24.3	1.720	2.531	15.3	22.3

446407 2014 JN 11 11.2 158°.74 1°.0/10.6 18

10 8	3 33.77	+14 45.6	2.289	3.121	11.9	21.5
10 18	3 27.51	+14 39.5	2.216	3.127	8.8	21.3
10 28	3 19.41	+14 29.6	2.169	3.132	5.3	21.1
11 7	3 10.16	+14 17.7	2.149	3.137	1.7	20.9
11 17	3 0.60	+14 5.9	2.161	3.142	2.7	20.9
11 27	2 51.66	+13 57.1	2.202	3.146	6.3	21.2
12 7	2 44.15	+13 53.8	2.272	3.149	9.6	21.4
12 17	2 38.61	+13 58.1	2.366	3.152	12.4	21.6

487326 2014 QG_{153} 11 11.2 74°.26 2°.6/ 9.1 18

10 8	3 28.48	+12 53.2	2.101	2.950	12.2	20.7
10 18	3 23.64	+11 52.1	2.039	2.959	9.0	20.5
10 28	3 17.06	+10 46.7	2.002	2.968	5.5	20.3
11 7	3 9.44	+ 9 41.7	1.993	2.977	2.7	20.2
11 17	3 1.62	+ 8 42.0	2.013	2.987	4.1	20.3
11 27	2 54.48	+ 7 52.5	2.062	2.996	7.4	20.5
12 7	2 48.76	+ 7 16.6	2.138	3.005	10.6	20.7
12 17	2 44.95	+ 6 56.0	2.236	3.015	13.3	20.9

518571 2007 HL_{80} 11 11.2 184°.12 0°.1/11.2 18

10 8	3 29.73	+18 47.4	2.654	3.481	10.6	22.7
10 18	3 24.37	+18 28.5	2.573	3.481	7.9	22.5
10 28	3 17.46	+18 3.2	2.518	3.480	4.8	22.3
11 7	3 9.57	+17 33.1	2.492	3.480	1.4	22.1
11 17	3 1.41	+17 0.5	2.495	3.479	2.0	22.1
11 27	2 53.74	+16 28.8	2.530	3.478	5.3	22.4
12 7	2 47.26	+16 1.2	2.593	3.476	8.3	22.6
12 17	2 42.45	+15 40.4	2.681	3.474	11.0	22.7

523403 2017 DL_{114} 11 11.2 168°.21 0°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.75	+18 28.5	2.537	3.366	11.0	21.2
10 18	3 24.45	+18 15.1	2.459	3.368	8.1	21.1
10 28	3 17.53	+17 55.5	2.407	3.370	4.9	20.9
11 7	3 9.60	+17 31.2	2.383	3.371	1.5	20.6
11 17	3 1.38	+17 4.6	2.389	3.372	2.1	20.7
11 27	2 53.69	+16 38.8	2.425	3.373	5.5	20.9
12 7	2 47.22	+16 17.0	2.490	3.374	8.6	21.1
12 17	2 42.50	+16 1.8	2.579	3.375	11.3	21.3

40429 1999 RL_{27} 11 11.2 96°.20 2°.4/12.4 18

10 8	3 38.48	+23 13.7	1.848	2.667	14.8	17.0
10 18	3 31.45	+23 45.4	1.787	2.685	11.3	16.8
10 28	3 21.97	+24 6.6	1.749	2.703	7.3	16.6
11 7	3 10.95	+24 16.1	1.737	2.720	3.4	16.4
11 17	2 59.58	+24 14.8	1.755	2.737	3.2	16.4
11 27	2 49.15	+24 5.9	1.803	2.753	6.8	16.7
12 7	2 40.69	+23 54.0	1.877	2.770	10.5	16.9
12 17	2 34.87	+23 43.8	1.976	2.786	13.7	17.2

517497 2014 QN_{292} 11 11.2 148°.61 0°.3/11.4 18

10 8	3 32.83	+18 22.5	2.537	3.360	11.1	21.8
10 18	3 26.72	+18 29.1	2.462	3.367	8.3	21.7
10 28	3 18.90	+18 30.2	2.412	3.373	5.1	21.5
11 7	3 10.02	+18 26.6	2.391	3.379	1.6	21.2
11 17	3 0.83	+18 19.8	2.401	3.385	2.0	21.3
11 27	2 52.21	+18 12.3	2.442	3.390	5.4	21.5
12 7	2 44.88	+18 6.6	2.511	3.395	8.5	21.7
12 17	2 39.37	+18 5.2	2.606	3.400	11.2	21.9

384333 2009 SJ_{343} 11 11.2 319°.84 4°.3/ 8.9 18

10 8	3 30.57	+11 2.9	1.338	2.207	16.5	20.6
10 18	3 26.29	+10 5.0	1.268	2.197	12.4	20.4
10 28	3 19.19	+ 9 2.0	1.219	2.187	7.8	20.1
11 7	3 10.19	+ 8 0.7	1.195	2.178	4.4	19.9
11 17	3 0.59	+ 7 8.6	1.197	2.170	6.2	20.0
11 27	2 51.87	+ 6 32.9	1.223	2.161	10.8	20.2
12 7	2 45.28	+ 6 18.0	1.273	2.154	15.3	20.4
12 17	2 41.60	+ 6 25.1	1.342	2.146	19.2	20.7

415530 2014 QS_{71} 11 11.2 40°.69 6°.0/ 6.9 18

10 8	3 28.06	+ 3 45.4	1.833	2.690	13.3	20.6
10 18	3 23.49	+ 2 30.4	1.783	2.701	10.2	20.5
10 28	3 17.03	+ 1 19.3	1.758	2.712	7.3	20.3
11 7	3 9.46	+ 0 18.6	1.760	2.724	6.0	20.3
11 17	3 1.69	− 0 26.1	1.788	2.736	7.3	20.4
11 27	2 54.70	− 0 50.8	1.843	2.748	10.0	20.6
12 7	2 49.26	− 0 54.5	1.922	2.761	12.9	20.8
12 17	2 45.87	− 0 38.3	2.022	2.774	15.4	21.0

242926 2006 QA_{21} 11 11.2 63°.46 8°.1/ 6.3 18

10 8	3 30.97	− 1 24.2	1.673	2.524	14.6	20.2
10 18	3 25.71	− 2 41.6	1.632	2.539	11.6	20.1
10 28	3 18.38	− 3 49.1	1.615	2.555	9.1	20.0
11 7	3 9.86	− 4 39.7	1.623	2.570	8.1	20.0
11 17	3 1.19	− 5 7.6	1.657	2.586	9.3	20.1
11 27	2 53.44	− 5 10.3	1.716	2.602	11.8	20.3
12 7	2 47.45	− 4 48.6	1.798	2.618	14.4	20.5
12 17	2 43.74	− 4 5.4	1.899	2.634	16.8	20.7

408359 2013 GO_{90} 11 11.2 261°.50 4°.2/ 8.8 18

10 8	3 32.85	+ 5 37.4	2.097	2.939	12.4	20.8
10 18	3 27.10	+ 5 16.3	2.013	2.925	9.5	20.6
10 28	3 19.33	+ 4 57.9	1.953	2.911	6.4	20.4
11 7	3 10.21	+ 4 45.6	1.921	2.896	4.3	20.2
11 17	3 0.61	+ 4 42.9	1.917	2.881	5.4	20.3
11 27	2 51.54	+ 4 52.5	1.943	2.866	8.5	20.4
12 7	2 43.89	+ 5 15.5	1.995	2.850	11.7	20.6
12 17	2 38.31	+ 5 52.0	2.070	2.835	14.7	20.8

382935 2004 TP_{155} 11 11.2 342°.40 1°.4/12.3 18

10 8	3 28.12	+22 18.7	2.594	3.416	10.9	20.5
10 18	3 23.37	+22 29.5	2.509	3.411	8.3	20.3
10 28	3 16.96	+22 32.9	2.448	3.405	5.3	20.1
11 7	3 9.48	+22 29.1	2.416	3.400	2.3	19.9
11 17	3 1.63	+22 19.4	2.412	3.395	2.1	19.9
11 27	2 54.23	+22 6.2	2.439	3.391	5.2	20.1
12 7	2 48.00	+21 52.4	2.493	3.386	8.2	20.3
12 17	2 43.49	+21 41.3	2.573	3.383	10.9	20.5

368155 1998 BS_{29} 11 11.2 347°.45 3°.4/12.7 18

10 8	3 32.69	+24 54.3	1.152	2.007	19.6	21.0
10 18	3 28.57	+25 9.7	1.085	2.002	15.2	20.7
10 28	3 20.92	+25 7.3	1.036	1.997	10.1	20.4
11 7	3 10.80	+24 45.9	1.009	1.993	4.9	20.1
11 17	2 59.84	+24 7.8	1.007	1.990	4.3	20.1
11 27	2 50.02	+23 20.1	1.029	1.987	9.3	20.4
12 7	2 42.93	+22 32.5	1.073	1.986	14.6	20.7
12 17	2 39.48	+21 53.3	1.137	1.985	19.1	20.9

223467 2003 UR_{137} 11 11.2 282°.19 0°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.59	+15 57.7	2.316	3.152	11.6	19.8
10 18	3 25.28	+15 55.6	2.235	3.147	8.6	19.6
10 28	3 18.15	+15 49.1	2.178	3.143	5.2	19.4
11 7	3 9.84	+15 39.7	2.149	3.138	1.6	19.1
11 17	3 1.16	+15 29.5	2.150	3.133	2.4	19.2
11 27	2 52.99	+15 21.1	2.181	3.128	6.1	19.4
12 7	2 46.13	+15 17.3	2.239	3.123	9.4	19.6
12 17	2 41.18	+15 20.3	2.322	3.118	12.3	19.8

481703 2008 CH_{12} 11 11.2 252°.31 0°.3/11.1 18

10 8	3 31.61	+17 53.7	2.133	2.968	12.5	22.2
10 18	3 26.24	+17 39.5	2.045	2.957	9.4	21.9
10 28	3 18.83	+17 18.2	1.982	2.946	5.7	21.7
11 7	3 10.07	+16 51.6	1.945	2.934	1.7	21.4
11 17	3 0.84	+16 22.3	1.939	2.922	2.5	21.4
11 27	2 52.15	+15 54.3	1.961	2.910	6.5	21.7
12 7	2 44.91	+15 31.6	2.011	2.897	10.2	21.9
12 17	2 39.76	+15 17.3	2.085	2.885	13.4	22.1

162210 1999 SM_5 11 11.2 36°.69 5°.3/13.8 13 CR

10 8	4 22.58	+31 31.1	0.803	1.603	30.6	21.0
10 18	4 1.93	+31 19.7	0.820	1.703	22.6	20.9
10 28	3 38.33	+30 29.8	0.857	1.800	14.4	20.9
11 7	3 15.13	+29 6.1	0.918	1.894	7.4	20.8
11 17	2 55.24	+27 23.6	1.007	1.985	5.7	21.1
11 27	2 40.37	+25 41.2	1.124	2.074	10.0	21.6
12 7	2 30.80	+24 12.9	1.265	2.159	14.4	22.1
12 17	2 26.02	+23 5.1	1.428	2.241	17.8	22.6

42579 1997 BV_5 11 11.2 322°.84 0°.1/11.2 18

10 8	3 30.78	+18 54.0	1.490	2.344	15.9	18.6
10 18	3 26.39	+18 38.0	1.411	2.332	12.0	18.3
10 28	3 19.26	+18 11.3	1.354	2.321	7.4	18.0
11 7	3 10.26	+17 36.2	1.321	2.310	2.2	17.7
11 17	3 0.59	+16 56.7	1.315	2.299	3.1	17.7
11 27	2 51.71	+16 18.8	1.336	2.289	8.3	18.0
12 7	2 44.83	+15 48.6	1.381	2.280	13.0	18.3
12 17	2 40.78	+15 30.6	1.447	2.271	17.1	18.5

77761 2001 PJ_{41} 11 11.2 204°.08 5°.4/14.9 18

10 8	3 35.99	+34 15.3	2.311	3.082	13.7	18.9
10 18	3 29.66	+34 48.4	2.223	3.079	11.2	18.8
10 28	3 20.99	+35 5.8	2.158	3.075	8.5	18.6
11 7	3 10.74	+35 5.0	2.119	3.071	6.2	18.4
11 17	2 59.94	+34 45.5	2.108	3.066	5.4	18.4
11 27	2 49.76	+34 10.1	2.126	3.061	7.0	18.5
12 7	2 41.25	+33 24.2	2.171	3.056	9.6	18.6
12 17	2 35.13	+32 34.3	2.241	3.050	12.3	18.8

101752 1999 FQ_{18} 11 11.2 269°.80 3°.0/12.9 17

10 8	3 34.10	+26 3.7	2.130	2.941	13.4	19.1
10 18	3 28.38	+26 23.2	2.030	2.921	10.5	18.8
10 28	3 20.31	+26 31.4	1.953	2.902	7.1	18.6
11 7	3 10.58	+26 27.2	1.903	2.881	3.9	18.4
11 17	3 0.14	+26 10.7	1.882	2.861	3.4	18.3
11 27	2 50.18	+25 45.1	1.890	2.840	6.6	18.4
12 7	2 41.77	+25 15.0	1.926	2.819	10.2	18.6
12 17	2 35.69	+24 46.0	1.986	2.798	13.5	18.8

80700 2000 CA_2 11 11.2 295°.68 2°.1/10.1 18

10 8	3 32.32	+15 7.0	1.454	2.312	16.0	19.5
10 18	3 27.47	+14 28.3	1.380	2.305	12.0	19.2
10 28	3 19.87	+13 41.5	1.329	2.297	7.3	19.0
11 7	3 10.44	+12 51.0	1.303	2.290	2.7	18.7
11 17	3 0.43	+12 2.3	1.303	2.283	4.3	18.7
11 27	2 51.27	+11 22.3	1.330	2.277	9.2	19.0
12 7	2 44.19	+10 56.2	1.381	2.270	13.8	19.3
12 17	2 39.94	+10 47.1	1.453	2.263	17.7	19.5

277421 2005 UX_{288} 11 11.2 177°.39 2°.3/12.5 18

10 8	3 37.04	+23 59.3	1.937	2.754	14.3	21.3
10 18	3 30.49	+24 12.6	1.858	2.756	11.0	21.1
10 28	3 21.50	+24 14.6	1.803	2.757	7.2	20.9
11 7	3 10.90	+24 4.8	1.775	2.758	3.3	20.7
11 17	2 59.81	+23 44.4	1.776	2.758	3.0	20.7
11 27	2 49.47	+23 17.2	1.807	2.758	6.7	20.9
12 7	2 40.97	+22 48.5	1.865	2.757	10.6	21.1
12 17	2 35.00	+22 23.5	1.946	2.756	13.9	21.3

218826 2006 TJ_{45} 11 11.2 74°.29 1°.4/10.5 16

10 8	3 36.45	+17 24.1	1.349	2.202	17.4	20.8
10 18	3 30.16	+16 33.9	1.308	2.229	12.8	20.6
10 28	3 21.19	+15 34.1	1.288	2.255	7.6	20.4
11 7	3 10.73	+14 29.9	1.293	2.282	2.4	20.1
11 17	3 0.22	+13 28.0	1.326	2.308	3.8	20.3
11 27	2 51.06	+12 35.7	1.386	2.333	8.8	20.6
12 7	2 44.30	+11 58.1	1.470	2.359	13.1	21.0
12 17	2 40.45	+11 37.9	1.576	2.384	16.7	21.3

278455 2007 TV_{85} 11 11.2 129°.64 0°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.78	+18 2.8	2.225	3.050	12.4	20.9
10 18	3 29.03	+18 4.7	2.159	3.065	9.3	20.7
10 28	3 20.36	+18 0.5	2.118	3.080	5.6	20.5
11 7	3 10.51	+17 51.2	2.106	3.094	1.7	20.3
11 17	3 0.41	+17 38.8	2.124	3.107	2.3	20.4
11 27	2 51.04	+17 26.1	2.172	3.120	6.0	20.6
12 7	2 43.22	+17 16.5	2.249	3.132	9.4	20.9
12 17	2 37.51	+17 12.7	2.351	3.144	12.3	21.1

192008 2005 YJ_{35} 11 11.2 84°.11 1°.9/10.2 18

10 8	3 35.64	+14 29.9	1.583	2.431	15.5	20.3
10 18	3 29.33	+14 0.0	1.534	2.453	11.4	20.1
10 28	3 20.65	+13 24.7	1.508	2.475	6.8	19.9
11 7	3 10.59	+12 48.0	1.509	2.497	2.5	19.7
11 17	3 0.38	+12 14.3	1.538	2.518	3.8	19.8
11 27	2 51.25	+11 48.5	1.595	2.539	8.2	20.1
12 7	2 44.19	+11 34.2	1.677	2.559	12.1	20.4
12 17	2 39.75	+11 33.1	1.781	2.580	15.4	20.7

329638 2003 SX_{135} 11 11.2 357°.41 2°.0/ 9.9 18

10 8	3 21.98	+17 3.9	1.255	2.135	16.6	19.0
10 18	3 20.02	+16 4.1	1.191	2.126	12.3	18.8
10 28	3 15.43	+14 51.8	1.147	2.120	7.4	18.5
11 7	3 9.11	+13 33.3	1.127	2.116	2.6	18.2
11 17	3 2.30	+12 17.0	1.132	2.114	4.4	18.3
11 27	2 56.37	+11 12.0	1.162	2.114	9.5	18.6
12 7	2 52.46	+10 25.0	1.214	2.116	14.2	18.9
12 17	2 51.25	+ 9 59.5	1.286	2.121	18.2	19.1

241030 2006 QA_{91} 11 11.2 106°.98 4°.3/ 8.5 18

10 8	3 32.16	+ 7 3.6	1.955	2.802	13.0	21.2
10 18	3 26.43	+ 6 16.5	1.900	2.816	9.7	21.0
10 28	3 18.79	+ 5 30.8	1.870	2.829	6.4	20.8
11 7	3 10.04	+ 4 50.9	1.867	2.843	4.3	20.7
11 17	3 1.09	+ 4 21.5	1.893	2.855	5.5	20.8
11 27	2 52.93	+ 4 5.8	1.947	2.868	8.6	21.0
12 7	2 46.34	+ 4 5.6	2.026	2.880	11.7	21.2
12 17	2 41.86	+ 4 20.6	2.128	2.892	14.4	21.5

332766 2009 UW_{102} 11 11.2 335°.56 3°.0/13.7 17

10 8	3 26.02	+30 17.8	1.620	2.447	16.2	19.1
10 18	3 22.84	+29 19.1	1.525	2.425	12.8	18.8
10 28	3 17.10	+27 54.3	1.451	2.403	8.7	18.5
11 7	3 9.62	+26 5.0	1.402	2.383	4.5	18.2
11 17	3 1.58	+23 56.6	1.380	2.363	3.4	18.1
11 27	2 54.30	+21 39.5	1.387	2.345	7.5	18.3
12 7	2 48.93	+19 26.0	1.419	2.328	12.0	18.5
12 17	2 46.22	+17 26.8	1.476	2.312	16.1	18.7

357110 2001 UE_{99} 11 11.2 60°.60 0°.2/11.1 18

10 8	3 34.84	+16 34.0	1.765	2.606	14.4	20.3
10 18	3 28.73	+16 45.3	1.707	2.622	10.7	20.1
10 28	3 20.33	+16 51.0	1.673	2.638	6.5	19.9
11 7	3 10.53	+16 52.4	1.666	2.654	1.9	19.7
11 17	3 0.43	+16 51.4	1.687	2.670	2.7	19.8
11 27	2 51.24	+16 51.0	1.736	2.687	7.0	20.1
12 7	2 43.91	+16 54.5	1.813	2.703	10.9	20.3
12 17	2 39.05	+17 4.3	1.912	2.720	14.2	20.6

121559 1999 VL_{48} 11 11.2 327°.60 3°.9/13.2 17

10 8	3 33.70	+26 31.1	1.887	2.704	14.6	19.9
10 18	3 28.32	+27 15.4	1.801	2.694	11.5	19.6
10 28	3 20.38	+27 48.6	1.737	2.684	8.0	19.4
11 7	3 10.64	+28 8.2	1.699	2.675	4.7	19.2
11 17	3 0.17	+28 13.7	1.689	2.666	4.2	19.1
11 27	2 50.29	+28 7.3	1.707	2.657	7.2	19.3
12 7	2 42.18	+27 53.7	1.752	2.649	10.9	19.5
12 17	2 36.67	+27 38.4	1.820	2.641	14.2	19.7

168233 2006 KC_{44} 11 11.2 51°.52 7°.4/ 7.2 18

10 8	3 31.44	+ 2 11.2	1.477	2.338	15.7	19.6
10 18	3 26.28	+ 0 57.9	1.438	2.355	12.1	19.5
10 28	3 18.82	− 0 8.2	1.421	2.373	8.9	19.3
11 7	3 10.05	− 0 59.4	1.430	2.392	7.4	19.3
11 17	3 1.14	− 1 29.6	1.464	2.410	8.7	19.4
11 27	2 53.28	− 1 35.7	1.523	2.429	11.6	19.7
12 7	2 47.38	− 1 17.8	1.605	2.449	14.7	19.9
12 17	2 43.97	− 0 38.9	1.706	2.468	17.5	20.1

189216 2004 BO_{95} 11 11.2 179°.67 4°.4/14.5 18

10 8	3 37.60	+32 35.2	2.200	2.979	14.0	21.0
10 18	3 30.76	+32 37.4	2.115	2.981	11.3	20.8
10 28	3 21.60	+32 22.3	2.054	2.982	8.2	20.6
11 7	3 10.94	+31 48.7	2.019	2.983	5.4	20.4
11 17	2 59.87	+30 57.7	2.013	2.983	4.5	20.4
11 27	2 49.59	+29 53.8	2.037	2.981	6.7	20.5
12 7	2 41.10	+28 44.0	2.089	2.979	9.7	20.7
12 17	2 35.08	+27 35.3	2.167	2.976	12.7	20.9

14390 1990 QP_{10} 11 11.2 80°.48 2°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.04	+24 42.8	2.379	3.193	12.1	17.4
10 18	3 25.58	+24 48.7	2.308	3.203	9.2	17.3
10 28	3 18.31	+24 44.5	2.261	3.213	6.0	17.1
11 7	3 9.93	+24 30.5	2.242	3.223	2.9	16.9
11 17	3 1.25	+24 8.3	2.251	3.233	2.6	16.9
11 27	2 53.20	+23 41.1	2.291	3.243	5.5	17.1
12 7	2 46.55	+23 12.8	2.359	3.252	8.6	17.3
12 17	2 41.84	+22 47.5	2.452	3.262	11.3	17.5

518982 2010 HR_{113} 11 11.2 97°.07 2°.0/12.4 18

10 8	3 36.96	+22 45.0	2.026	2.843	13.7	21.5
10 18	3 30.17	+23 11.5	1.962	2.860	10.4	21.3
10 28	3 21.17	+23 28.4	1.923	2.877	6.7	21.1
11 7	3 10.80	+23 35.3	1.911	2.894	3.0	20.9
11 17	3 0.10	+23 32.9	1.929	2.910	2.8	20.9
11 27	2 50.22	+23 24.2	1.976	2.927	6.3	21.2
12 7	2 42.11	+23 13.5	2.051	2.942	9.8	21.4
12 17	2 36.38	+23 4.7	2.151	2.958	12.8	21.7

227244 2005 SL_{36} 11 11.2 77°.72 2°.4/ 9.9 18

10 8	3 34.82	+14 32.7	1.456	2.310	16.2	20.5
10 18	3 28.89	+13 44.2	1.409	2.331	11.9	20.3
10 28	3 20.44	+12 49.5	1.384	2.352	7.2	20.1
11 7	3 10.56	+11 53.8	1.386	2.373	2.8	19.9
11 17	3 0.52	+11 3.1	1.414	2.393	4.4	20.0
11 27	2 51.65	+10 23.5	1.470	2.413	8.8	20.3
12 7	2 44.95	+ 9 58.9	1.551	2.433	12.9	20.6
12 17	2 40.97	+ 9 51.1	1.653	2.453	16.3	20.9

130256 2000 DG_{24} 11 11.2 224°.77 3°.5/14.2 18

10 8	3 31.60	+30 53.0	2.798	3.581	11.3	20.5
10 18	3 25.97	+31 4.0	2.704	3.573	9.0	20.3
10 28	3 18.58	+31 2.8	2.633	3.564	6.5	20.2
11 7	3 10.03	+30 48.6	2.589	3.555	4.2	20.0
11 17	3 1.08	+30 22.1	2.576	3.546	3.6	19.9
11 27	2 52.60	+29 45.8	2.592	3.536	5.4	20.1
12 7	2 45.35	+29 4.0	2.637	3.526	8.0	20.2
12 17	2 39.92	+28 21.1	2.708	3.516	10.5	20.4

219122 1998 TR_{7} 11 11.2 3°.17 4°.0/ 7.9 18

10 8	3 26.92	+10 6.1	1.920	2.777	12.8	20.0
10 18	3 22.73	+ 8 44.5	1.854	2.777	9.5	19.8
10 28	3 16.66	+ 7 19.6	1.813	2.777	6.1	19.6
11 7	3 9.44	+ 5 57.5	1.799	2.777	4.1	19.5
11 17	3 1.94	+ 4 44.8	1.814	2.778	5.5	19.6
11 27	2 55.10	+ 3 47.2	1.856	2.779	8.8	19.8
12 7	2 49.73	+ 3 8.4	1.923	2.781	12.0	20.0
12 17	2 46.37	+ 2 49.3	2.013	2.783	14.9	20.2

324290 2006 DG_{15} 11 11.2 159°.16 5°.3/15.7 17

10 8	3 34.03	+36 25.1	2.666	3.422	12.4	21.1
10 18	3 27.91	+36 54.2	2.584	3.426	10.3	21.0
10 28	3 19.81	+37 8.1	2.524	3.429	8.0	20.8
11 7	3 10.41	+37 4.8	2.490	3.432	6.0	20.7
11 17	3 0.60	+36 44.2	2.485	3.435	5.3	20.7
11 27	2 51.39	+36 8.7	2.509	3.438	6.5	20.8
12 7	2 43.65	+35 23.2	2.560	3.441	8.5	20.9
12 17	2 37.99	+34 33.2	2.637	3.443	10.8	21.1

263009 2007 EX_{152} 11 11.2 147°.87 1°.5/10.2 18

10 8	3 30.26	+14 2.9	2.253	3.094	11.7	20.4
10 18	3 25.00	+13 40.4	2.180	3.096	8.7	20.2
10 28	3 17.98	+13 14.0	2.133	3.098	5.2	20.0
11 7	3 9.85	+12 46.3	2.113	3.100	1.9	19.8
11 17	3 1.42	+12 20.4	2.122	3.102	3.0	19.9
11 27	2 53.59	+11 59.6	2.161	3.103	6.5	20.1
12 7	2 47.11	+11 46.8	2.228	3.105	9.8	20.3
12 17	2 42.51	+11 43.9	2.318	3.107	12.6	20.5

201038 2002 DO_{17} 11 11.2 106°.82 2°.0/10.1 18

10 8	3 33.85	+13 55.0	1.810	2.655	14.0	20.5
10 18	3 27.88	+13 22.5	1.752	2.669	10.3	20.3
10 28	3 19.77	+12 45.5	1.718	2.683	6.2	20.1
11 7	3 10.38	+12 7.4	1.710	2.697	2.4	19.9
11 17	3 0.76	+11 32.5	1.732	2.711	3.7	20.0
11 27	2 52.01	+11 5.3	1.782	2.724	7.7	20.3
12 7	2 45.04	+10 49.0	1.858	2.737	11.4	20.5
12 17	2 40.41	+10 45.5	1.958	2.749	14.5	20.8

423419 2005 OJ_{20} 11 11.2 52°.93 0°.9/11.7 18

10 8	3 35.45	+21 7.9	1.245	2.099	18.5	20.6
10 18	3 29.85	+20 56.0	1.200	2.119	13.8	20.4
10 28	3 21.23	+20 30.4	1.175	2.140	8.5	20.2
11 7	3 10.84	+19 53.5	1.174	2.161	2.9	19.9
11 17	3 0.22	+19 10.1	1.199	2.183	3.2	20.0
11 27	2 50.98	+18 27.4	1.249	2.205	8.5	20.4
12 7	2 44.31	+17 52.3	1.324	2.227	13.2	20.7
12 17	2 40.81	+17 29.3	1.420	2.250	17.0	21.0

111966 2002 GD_{79} 11 11.3 72°.99 3°.3/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.45	+ 9 38.6	1.627	2.478	15.0	19.9
10 18	3 29.16	+ 9 20.9	1.579	2.498	11.1	19.7
10 28	3 20.56	+ 9 3.2	1.553	2.517	6.9	19.5
11 7	3 10.62	+ 8 49.3	1.554	2.537	3.5	19.3
11 17	3 0.48	+ 8 42.6	1.583	2.557	4.8	19.4
11 27	2 51.37	+ 8 46.1	1.639	2.577	8.6	19.7
12 7	2 44.23	+ 9 1.3	1.721	2.596	12.3	20.0
12 17	2 39.62	+ 9 28.6	1.826	2.616	15.4	20.2

304117 2006 JC_{32} 11 11.3 16°.73 2°.7/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.04	+13 51.8	1.469	2.332	15.6	20.4
10 18	3 25.58	+13 0.7	1.408	2.335	11.6	20.2
10 28	3 18.62	+12 3.2	1.369	2.338	7.1	19.9
11 7	3 10.08	+11 4.6	1.355	2.341	3.1	19.7
11 17	3 1.16	+10 11.2	1.368	2.345	4.7	19.8
11 27	2 53.17	+ 9 29.6	1.407	2.350	9.1	20.1
12 7	2 47.15	+ 9 4.2	1.470	2.355	13.3	20.4
12 17	2 43.76	+ 8 56.8	1.554	2.361	16.9	20.6

274433 2008 SZ_{35} 11 11.3 81°.27 1°.0/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.25	+16 49.5	1.600	2.446	15.5	21.5
10 18	3 29.08	+16 22.5	1.550	2.468	11.4	21.3
10 28	3 20.54	+15 47.9	1.523	2.489	6.8	21.1
11 7	3 10.61	+15 9.1	1.522	2.510	2.1	20.9
11 17	3 0.51	+14 30.5	1.549	2.531	3.2	21.0
11 27	2 51.49	+13 57.4	1.604	2.552	7.8	21.3
12 7	2 44.51	+13 34.1	1.685	2.572	11.8	21.6
12 17	2 40.15	+13 23.2	1.788	2.592	15.1	21.9

170616 2003 YG_{50} 11 11.3 286°.76 4°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.26	+32 10.8	1.835	2.637	15.6	20.1
10 18	3 27.32	+32 2.3	1.743	2.623	12.5	19.8
10 28	3 19.78	+31 33.3	1.673	2.610	9.1	19.6
11 7	3 10.48	+30 42.6	1.627	2.596	5.8	19.4
11 17	3 0.57	+29 32.2	1.608	2.582	4.7	19.3
11 27	2 51.41	+28 8.0	1.618	2.569	7.4	19.4
12 7	2 44.18	+26 38.6	1.654	2.555	11.1	19.6
12 17	2 39.62	+25 13.0	1.714	2.542	14.6	19.8

135870 2002 TW_{29} 11 11.3 30°.92 0°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.63	+20 41.4	1.643	2.487	15.2	19.8
10 18	3 26.65	+20 28.5	1.577	2.492	11.4	19.6
10 28	3 19.24	+20 4.6	1.533	2.497	7.1	19.3
11 7	3 10.27	+19 31.5	1.515	2.503	2.4	19.1
11 17	3 0.91	+18 53.0	1.524	2.509	2.7	19.1
11 27	2 52.43	+18 14.3	1.561	2.515	7.3	19.4
12 7	2 45.86	+17 41.0	1.624	2.521	11.5	19.7
12 17	2 41.87	+17 17.4	1.709	2.528	15.0	19.9

431666 2008 CR_{95} 11 11.3 193°.50 0°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.97	+19 20.6	1.808	2.641	14.5	22.2
10 18	3 29.77	+19 4.6	1.729	2.639	10.9	22.0
10 28	3 21.12	+18 39.1	1.674	2.637	6.7	21.7
11 7	3 10.86	+18 5.6	1.646	2.635	2.1	21.4
11 17	3 0.12	+17 27.6	1.647	2.631	2.7	21.5
11 27	2 50.15	+16 50.0	1.677	2.627	7.3	21.8
12 7	2 42.04	+16 18.1	1.734	2.623	11.5	22.0
12 17	2 36.48	+15 56.0	1.814	2.618	15.0	22.2

476843 2008 UO_{304} 11 11.3 16°.33 2°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.46	+23 12.2	1.387	2.234	17.3	21.1
10 18	3 27.76	+23 18.1	1.323	2.237	13.2	20.8
10 28	3 20.13	+23 9.7	1.279	2.241	8.5	20.6
11 7	3 10.59	+22 47.5	1.260	2.245	3.6	20.3
11 17	3 0.52	+22 14.4	1.266	2.250	3.3	20.3
11 27	2 51.47	+21 36.2	1.299	2.256	8.1	20.6
12 7	2 44.72	+21 0.2	1.356	2.262	12.7	20.9
12 17	2 41.00	+20 32.2	1.434	2.269	16.6	21.2

36301 2000 JK_{21} 11 11.3 84°.93 1°.5/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.49	+22 26.3	1.573	2.407	16.2	19.1
10 18	3 30.21	+22 20.2	1.518	2.426	12.2	18.9
10 28	3 21.33	+22 1.3	1.485	2.445	7.7	18.6
11 7	3 10.89	+21 31.0	1.478	2.464	3.0	18.4
11 17	3 0.19	+20 52.5	1.498	2.482	2.9	18.4
11 27	2 50.61	+20 11.7	1.547	2.500	7.4	18.8
12 7	2 43.22	+19 34.7	1.621	2.518	11.6	19.1
12 17	2 38.64	+19 6.5	1.719	2.536	15.1	19.3

185222 2006 TU_{66} 11 11.3 281°.68 4°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.51	+29 23.2	1.942	2.748	14.7	20.3
10 18	3 28.14	+29 43.9	1.853	2.738	11.7	20.0
10 28	3 20.26	+29 49.7	1.786	2.727	8.3	19.8
11 7	3 10.65	+29 38.8	1.745	2.717	5.2	19.6
11 17	3 0.39	+29 11.6	1.732	2.706	4.4	19.5
11 27	2 50.78	+28 32.0	1.746	2.696	7.1	19.7
12 7	2 42.95	+27 45.9	1.788	2.685	10.6	19.9
12 17	2 37.68	+27 0.1	1.853	2.675	14.0	20.1

447021 2004 LP_{14} 11 11.3 130°.02 7°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.17	− 3 39.7	2.244	3.076	12.1	20.9
10 18	3 25.52	− 4 32.1	2.192	3.085	9.8	20.8
10 28	3 18.22	− 5 15.4	2.164	3.093	7.8	20.7
11 7	3 9.93	− 5 44.7	2.162	3.101	7.1	20.7
11 17	3 1.45	− 5 56.1	2.189	3.108	8.0	20.7
11 27	2 53.62	− 5 47.8	2.242	3.116	9.9	20.9
12 7	2 47.16	− 5 20.2	2.320	3.123	12.2	21.0
12 17	2 42.55	− 4 35.5	2.419	3.130	14.2	21.2

308897 2006 SL_{183} 11 11.3 1°.03 0°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.11	+19 10.5	1.727	2.571	14.5	21.5
10 18	3 26.21	+18 55.4	1.655	2.571	10.9	21.2
10 28	3 18.98	+18 31.1	1.605	2.571	6.7	21.0
11 7	3 10.22	+17 59.4	1.582	2.571	2.1	20.7
11 17	3 1.03	+17 24.0	1.587	2.571	2.7	20.7
11 27	2 52.61	+16 49.8	1.619	2.571	7.3	21.0
12 7	2 45.98	+16 21.8	1.677	2.572	11.4	21.3
12 17	2 41.81	+16 3.8	1.758	2.574	14.9	21.5

486627 2013 LU_{23} 11 11.3 73°.00 1°.1/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.92	+16 44.3	2.216	3.054	12.0	21.1
10 18	3 24.60	+15 58.9	2.163	3.078	8.8	20.9
10 28	3 17.63	+15 7.4	2.136	3.101	5.2	20.7
11 7	3 9.74	+14 13.4	2.137	3.125	1.7	20.5
11 17	3 1.74	+13 20.7	2.167	3.148	2.7	20.7
11 27	2 54.48	+12 33.9	2.227	3.171	6.2	20.9
12 7	2 48.64	+11 56.5	2.315	3.194	9.4	21.2
12 17	2 44.68	+11 30.8	2.427	3.217	12.1	21.4

434066 2001 WO_{51} 11 11.3 39°.48 0°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.20	+19 21.9	1.183	2.044	18.7	20.4
10 18	3 29.08	+19 17.5	1.137	2.062	14.0	20.1
10 28	3 20.86	+19 1.5	1.112	2.080	8.5	19.9
11 7	3 10.78	+18 36.2	1.111	2.099	2.7	19.6
11 17	3 0.41	+18 6.0	1.134	2.119	3.3	19.7
11 27	2 51.41	+17 37.3	1.183	2.139	8.8	20.1
12 7	2 45.00	+17 16.3	1.255	2.160	13.6	20.4
12 17	2 41.80	+17 6.8	1.348	2.182	17.5	20.8

179757 2002 RT_{216} 11 11.3 95°.51 3°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.74	+10 18.2	1.485	2.338	16.0	20.1
10 18	3 30.41	+ 9 56.2	1.431	2.351	11.9	19.9
10 28	3 21.48	+ 9 33.3	1.399	2.364	7.4	19.6
11 7	3 10.96	+ 9 13.5	1.392	2.377	3.7	19.4
11 17	3 0.14	+ 9 1.0	1.414	2.389	5.0	19.6
11 27	2 50.39	+ 8 59.6	1.462	2.401	9.3	19.8
12 7	2 42.80	+ 9 11.5	1.535	2.413	13.3	20.1
12 17	2 38.00	+ 9 36.9	1.630	2.425	16.8	20.4

510042 2010 DB_{64} 11 11.3 217°.95 5°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.36	+ 2 24.9	2.263	3.103	11.7	22.0
10 18	3 25.82	+ 1 19.6	2.188	3.094	9.1	21.9
10 28	3 18.51	+ 0 17.2	2.138	3.085	6.7	21.7
11 7	3 10.06	− 0 36.9	2.116	3.075	5.6	21.6
11 17	3 1.27	− 1 17.8	2.122	3.064	6.8	21.7
11 27	2 53.01	− 1 41.6	2.157	3.053	9.3	21.8
12 7	2 46.06	− 1 46.7	2.218	3.041	12.0	22.0
12 17	2 40.98	− 1 33.6	2.300	3.028	14.4	22.1

259273 2003 DW_{2} 11 11.3 126°.74 3°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.36	+ 7 52.1	2.366	3.207	11.2	20.8
10 18	3 24.87	+ 7 3.9	2.306	3.220	8.4	20.6
10 28	3 17.81	+ 6 15.8	2.273	3.232	5.5	20.5
11 7	3 9.82	+ 5 32.1	2.267	3.244	3.6	20.4
11 17	3 1.65	+ 4 56.4	2.292	3.255	4.7	20.5
11 27	2 54.10	+ 4 32.0	2.346	3.266	7.4	20.7
12 7	2 47.85	+ 4 20.9	2.426	3.277	10.1	20.9
12 17	2 43.35	+ 4 23.4	2.530	3.287	12.5	21.0

441928 2010 JT_{31} 11 11.3 152°.12 5°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.87	+ 0 41.0	2.288	3.124	11.7	22.2
10 18	3 26.02	− 0 20.2	2.231	3.133	9.2	22.0
10 28	3 18.52	− 1 16.1	2.200	3.142	6.9	21.9
11 7	3 10.04	− 2 1.6	2.196	3.149	5.9	21.9
11 17	3 1.35	− 2 32.4	2.221	3.157	6.9	21.9
11 27	2 53.32	− 2 45.6	2.274	3.163	9.2	22.1
12 7	2 46.63	− 2 40.7	2.353	3.169	11.6	22.3
12 17	2 41.78	− 2 18.7	2.453	3.174	13.8	22.4

284507 2007 PP_{37} 11 11.3 21°.92 9°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 26.30	+ 1 44.8	1.041	1.929	18.6	19.3
10 18	3 23.16	− 0 10.5	1.013	1.944	14.6	19.1
10 28	3 17.21	− 1 54.8	1.006	1.961	11.2	19.0
11 7	3 9.66	− 3 15.7	1.021	1.980	9.9	19.0
11 17	3 1.95	− 4 4.0	1.057	2.001	11.6	19.1
11 27	2 55.53	− 4 15.9	1.115	2.023	14.8	19.4
12 7	2 51.43	− 3 53.6	1.193	2.047	18.1	19.7
12 17	2 50.15	− 3 2.7	1.288	2.072	21.0	20.0

183948 2004 DB_{40} 11 11.3 103°.85 0°.6/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.70	+21 1.4	1.664	2.498	15.5	20.4
10 18	3 30.19	+20 39.3	1.608	2.517	11.6	20.2
10 28	3 21.26	+20 5.5	1.575	2.537	7.1	20.0
11 7	3 10.88	+19 22.5	1.568	2.556	2.3	19.8
11 17	3 0.29	+18 34.4	1.590	2.574	2.7	19.8
11 27	2 50.78	+17 47.0	1.640	2.592	7.3	20.2
12 7	2 43.34	+17 6.1	1.717	2.609	11.3	20.5
12 17	2 38.56	+16 36.1	1.817	2.626	14.8	20.7

170674 2003 YM_{174} 11 11.3 226°.61 2°.4/ 9.8 18

10 8	3 31.72	+12 21.1	1.893	2.740	13.3	20.0
10 18	3 26.42	+11 50.4	1.820	2.739	9.9	19.8
10 28	3 19.01	+11 16.2	1.771	2.736	6.1	19.6
11 7	3 10.24	+10 42.2	1.749	2.734	2.7	19.4
11 17	3 1.07	+10 12.3	1.755	2.732	4.0	19.5
11 27	2 52.60	+ 9 50.7	1.790	2.730	7.8	19.7
12 7	2 45.72	+ 9 40.6	1.851	2.727	11.5	19.9
12 17	2 41.08	+ 9 43.6	1.935	2.725	14.7	20.1

373117 2011 GQ_{87} 11 11.3 209°.35 3°.7/ 8.2 17

10 8	3 28.01	+ 6 18.6	2.587	3.429	10.4	21.2
10 18	3 23.14	+ 5 37.5	2.514	3.427	7.8	21.0
10 28	3 16.79	+ 4 57.5	2.468	3.425	5.3	20.9
11 7	3 9.53	+ 4 22.1	2.449	3.422	3.7	20.8
11 17	3 2.02	+ 3 54.7	2.460	3.420	4.7	20.8
11 27	2 54.98	+ 3 38.3	2.500	3.417	7.2	21.0
12 7	2 49.05	+ 3 34.4	2.567	3.414	9.8	21.2
12 17	2 44.70	+ 3 43.4	2.657	3.411	12.1	21.3

154837 2004 RW_{29} 11 11.3 148°.85 1°.6/12.1 18 R

10 8	3 35.62	+22 5.4	1.713	2.545	15.3	20.1
10 18	3 29.66	+22 10.7	1.641	2.548	11.6	19.9
10 28	3 21.12	+22 4.8	1.591	2.551	7.4	19.7
11 7	3 10.91	+21 48.1	1.568	2.554	2.9	19.4
11 17	3 0.20	+21 22.8	1.572	2.556	2.8	19.4
11 27	2 50.35	+20 53.4	1.605	2.558	7.2	19.7
12 7	2 42.47	+20 25.5	1.665	2.561	11.4	19.9
12 17	2 37.28	+20 3.9	1.747	2.562	14.9	20.2

441722 2009 BB_{51} 11 11.3 175°.56 2°.6/ 9.7 18

10 8	3 32.28	+11 48.0	1.906	2.753	13.3	21.8
10 18	3 26.79	+11 17.0	1.836	2.754	9.9	21.6
10 28	3 19.21	+10 43.0	1.789	2.754	6.1	21.3
11 7	3 10.30	+10 9.8	1.770	2.755	2.9	21.1
11 17	3 1.03	+ 9 41.3	1.779	2.755	4.1	21.2
11 27	2 52.46	+ 9 21.6	1.817	2.755	7.9	21.5
12 7	2 45.50	+ 9 13.6	1.881	2.755	11.5	21.7
12 17	2 40.76	+ 9 18.6	1.968	2.755	14.6	21.9

101146 1998 RK_{70} 11 11.3 353°.08 2°.0/10.3 18

10 8	3 27.57	+13 17.2	1.411	2.280	15.8	18.7
10 18	3 24.04	+13 11.0	1.341	2.271	11.8	18.4
10 28	3 17.89	+13 1.2	1.292	2.262	7.2	18.2
11 7	3 9.97	+12 50.9	1.268	2.256	2.7	17.9
11 17	3 1.45	+12 43.9	1.269	2.250	4.0	17.9
11 27	2 53.71	+12 44.3	1.296	2.247	8.8	18.2
12 7	2 47.93	+12 55.3	1.346	2.245	13.3	18.5
12 17	2 44.87	+13 18.3	1.417	2.244	17.2	18.7

352259 2007 TG_{201} 11 11.3 22°.27 0°.6/10.9 18

10 8	3 31.07	+18 6.9	1.539	2.392	15.6	21.0
10 18	3 26.34	+17 40.8	1.474	2.395	11.6	20.7
10 28	3 19.12	+17 5.2	1.432	2.400	7.0	20.5
11 7	3 10.29	+16 23.2	1.416	2.404	2.1	20.2
11 17	3 1.07	+15 39.3	1.426	2.409	3.1	20.3
11 27	2 52.75	+14 59.6	1.463	2.415	7.9	20.6
12 7	2 46.41	+14 29.3	1.525	2.421	12.3	20.9
12 17	2 42.70	+14 12.1	1.610	2.427	15.9	21.1

16034 1999 FW_{32} 11 11.3 109°.24 3°.0/13.1 18

10 8	3 35.71	+26 30.9	1.723	2.542	15.7	18.0
10 18	3 29.67	+26 31.7	1.656	2.553	12.1	17.8
10 28	3 21.08	+26 17.0	1.612	2.563	8.1	17.5
11 7	3 10.88	+25 46.8	1.593	2.573	4.1	17.3
11 17	3 0.30	+25 3.8	1.602	2.583	3.5	17.3
11 27	2 50.69	+24 13.2	1.640	2.593	7.1	17.6
12 7	2 43.14	+23 22.3	1.704	2.602	11.0	17.8
12 17	2 38.30	+22 37.1	1.791	2.611	14.4	18.1

256611 2007 VZ_{89} 11 11.3 42°.18 2°.7/ 9.9 17

10 8	3 33.33	+14 45.5	1.101	1.974	19.0	20.5
10 18	3 28.58	+13 58.1	1.053	1.984	14.0	20.2
10 28	3 20.65	+13 2.6	1.025	1.996	8.5	19.9
11 7	3 10.76	+12 5.1	1.020	2.007	3.3	19.7
11 17	3 0.52	+11 13.5	1.039	2.020	5.1	19.8
11 27	2 51.64	+10 35.4	1.083	2.032	10.5	20.2
12 7	2 45.38	+10 15.8	1.150	2.046	15.4	20.5
12 17	2 42.40	+10 16.3	1.235	2.059	19.4	20.8

322174 2010 XU_{25} 11 11.3 247°.05 4°.0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.31	+ 5 40.0	2.219	3.061	11.8	20.4
10 18	3 25.83	+ 5 16.4	2.144	3.056	9.0	20.2
10 28	3 18.55	+ 4 55.3	2.094	3.051	6.0	20.0
11 7	3 10.10	+ 4 40.2	2.071	3.046	4.1	19.9
11 17	3 1.30	+ 4 34.1	2.078	3.040	5.1	19.9
11 27	2 53.06	+ 4 39.6	2.113	3.035	8.0	20.1
12 7	2 46.16	+ 4 57.9	2.175	3.029	11.0	20.3
12 17	2 41.16	+ 5 28.9	2.260	3.024	13.6	20.5

421656 2014 OL_{357} 11 11.3 352°.79 4°.9/ 7.8 18

10 8	3 28.52	+ 6 26.2	1.901	2.756	13.0	21.4
10 18	3 23.97	+ 5 24.1	1.835	2.755	9.8	21.2
10 28	3 17.49	+ 4 22.8	1.794	2.753	6.7	21.0
11 7	3 9.78	+ 3 27.9	1.780	2.752	4.9	20.9
11 17	3 1.76	+ 2 44.8	1.793	2.752	6.2	20.9
11 27	2 54.41	+ 2 17.9	1.833	2.751	9.3	21.1
12 7	2 48.55	+ 2 9.4	1.898	2.751	12.4	21.3
12 17	2 44.75	+ 2 19.3	1.985	2.751	15.2	21.5

269120 2007 LM_{33} 11 11.3 143°.28 9°.6/ 2.8 18

10 8	3 28.56	−13 37.1	2.423	3.228	12.1	20.3
10 18	3 23.59	−14 55.1	2.378	3.230	10.7	20.2
10 28	3 17.08	−15 58.5	2.357	3.232	9.8	20.1
11 7	3 9.63	−16 41.4	2.360	3.234	9.7	20.1
11 17	3 1.99	−17 0.0	2.389	3.236	10.5	20.2
11 27	2 54.93	−16 52.7	2.441	3.238	11.9	20.3
12 7	2 49.10	−16 20.9	2.514	3.240	13.4	20.4
12 17	2 44.98	−15 27.8	2.606	3.242	14.9	20.6

514413 2016 TW_{75} 11 11.3 142°.94 7°.2/14.7 18

10 8	3 46.21	+34 44.6	1.909	2.674	16.4	21.4
10 18	3 37.89	+36 6.2	1.836	2.684	13.5	21.2
10 28	3 26.37	+37 10.6	1.785	2.694	10.5	21.1
11 7	3 12.59	+37 51.8	1.760	2.703	8.0	20.9
11 17	2 57.98	+38 6.8	1.763	2.712	7.3	20.9
11 27	2 44.26	+37 57.3	1.795	2.720	8.9	21.0
12 7	2 32.89	+37 30.2	1.854	2.727	11.6	21.2
12 17	2 24.79	+36 54.2	1.936	2.734	14.4	21.4

61790 2000 QO_{182} 11 11.3 285°.28 2°.2/12.6 18

10 8	3 32.33	+25 2.9	1.726	2.555	15.3	19.1
10 18	3 27.47	+24 48.1	1.632	2.536	11.8	18.8
10 28	3 19.98	+24 17.7	1.560	2.517	7.8	18.5
11 7	3 10.63	+23 32.0	1.514	2.498	3.5	18.2
11 17	3 0.58	+22 33.9	1.495	2.479	3.1	18.2
11 27	2 51.17	+21 29.4	1.505	2.459	7.4	18.4
12 7	2 43.63	+20 26.1	1.540	2.440	11.9	18.6
12 17	2 38.77	+19 31.1	1.598	2.421	15.8	18.8

18521 1996 VV_{5} 11 11.3 44°.03 1°.5/10.4 18

10 8	3 31.27	+17 12.0	1.482	2.339	15.9	17.6
10 18	3 26.48	+16 21.7	1.423	2.347	11.8	17.3
10 28	3 19.17	+15 21.5	1.386	2.355	7.1	17.1
11 7	3 10.31	+14 16.2	1.375	2.363	2.3	16.8
11 17	3 1.13	+13 12.1	1.390	2.372	3.7	16.9
11 27	2 52.95	+12 16.6	1.433	2.381	8.5	17.2
12 7	2 46.79	+11 35.1	1.500	2.390	12.8	17.5
12 17	2 43.30	+11 10.7	1.589	2.400	16.4	17.8

401553 2013 EL_{128} 11 11.3 191°.25 6°.1/ 6.3 18

10 8	3 30.00	− 0 19.1	2.414	3.250	11.2	21.8
10 18	3 24.67	− 1 25.5	2.348	3.249	8.9	21.6
10 28	3 17.76	− 2 26.7	2.309	3.247	6.8	21.5
11 7	3 9.86	− 3 17.6	2.296	3.244	6.1	21.4
11 17	3 1.70	− 3 53.7	2.313	3.242	7.1	21.5
11 27	2 54.08	− 4 11.9	2.357	3.239	9.2	21.6
12 7	2 47.69	− 4 11.4	2.427	3.235	11.5	21.8
12 17	2 43.01	− 3 53.0	2.518	3.231	13.7	21.9

182957 2002 JK_{60} 11 11.3 100°.61 0°.3/11.1 16

10 8	3 36.31	+19 40.1	1.502	2.345	16.4	20.8
10 18	3 30.11	+19 1.3	1.447	2.362	12.2	20.6
10 28	3 21.30	+18 10.7	1.415	2.380	7.4	20.4
11 7	3 10.94	+17 12.0	1.408	2.397	2.2	20.1
11 17	3 0.35	+16 10.8	1.429	2.413	3.1	20.2
11 27	2 50.94	+15 14.2	1.479	2.429	8.0	20.5
12 7	2 43.73	+14 28.3	1.553	2.445	12.4	20.8
12 17	2 39.35	+13 57.2	1.650	2.460	16.0	21.1

50664 2000 EY_{103} 11 11.3 317°.75 3°.8/13.5 18

10 8	3 31.39	+28 14.3	1.351	2.189	18.2	18.1
10 18	3 27.38	+28 5.3	1.270	2.175	14.4	17.8
10 28	3 20.18	+27 34.4	1.208	2.162	9.9	17.5
11 7	3 10.74	+26 40.8	1.169	2.149	5.3	17.2
11 17	3 0.48	+25 27.6	1.155	2.136	4.3	17.1
11 27	2 51.15	+24 3.1	1.167	2.125	8.6	17.4
12 7	2 44.20	+22 38.3	1.203	2.114	13.5	17.6
12 17	2 40.53	+21 23.1	1.260	2.103	17.9	17.8

130031 1999 VT_{96} 11 11.3 58°.54 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.02	+18 24.2	1.650	2.496	15.1	20.1
10 18	3 27.66	+18 9.8	1.585	2.502	11.3	19.9
10 28	3 19.87	+17 46.6	1.542	2.508	6.8	19.6
11 7	3 10.54	+17 16.8	1.526	2.514	2.1	19.4
11 17	3 0.82	+16 44.2	1.537	2.521	2.8	19.4
11 27	2 51.99	+16 13.6	1.576	2.527	7.5	19.7
12 7	2 45.07	+15 50.0	1.640	2.534	11.7	20.0
12 17	2 40.72	+15 36.7	1.727	2.541	15.2	20.3

435133 2007 FD_{6} 11 11.3 143°.17 0°.3/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.75	+19 38.6	1.948	2.777	13.8	22.6
10 18	3 29.35	+19 26.9	1.879	2.787	10.3	22.4
10 28	3 20.75	+19 6.3	1.835	2.797	6.3	22.1
11 7	3 10.79	+18 38.6	1.818	2.805	2.0	21.9
11 17	3 0.51	+18 6.5	1.830	2.814	2.5	21.9
11 27	2 51.04	+17 34.4	1.872	2.822	6.7	22.2
12 7	2 43.32	+17 6.9	1.941	2.829	10.5	22.5
12 17	2 37.96	+16 47.6	2.034	2.836	13.7	22.7

332932 2011 CD_{72} 11 11.3 231°.87 6°.6/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.22	− 4 52.8	2.752	3.578	10.3	21.6
10 18	3 23.25	− 5 53.1	2.682	3.568	8.5	21.5
10 28	3 16.87	− 6 46.2	2.637	3.557	7.0	21.4
11 7	3 9.60	− 7 27.2	2.620	3.547	6.6	21.3
11 17	3 2.07	− 7 52.5	2.630	3.536	7.5	21.4
11 27	2 54.96	− 7 59.7	2.668	3.524	9.2	21.5
12 7	2 48.89	− 7 48.4	2.730	3.512	11.1	21.6
12 17	2 44.31	− 7 19.7	2.814	3.500	12.9	21.7

451110 2009 FG_{24} 11 11.3 205°.05 2°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.98	+27 6.4	2.519	3.313	12.0	21.8
10 18	3 29.40	+27 27.6	2.427	3.307	9.4	21.6
10 28	3 20.80	+27 38.1	2.359	3.301	6.5	21.5
11 7	3 10.85	+27 36.8	2.320	3.294	3.7	21.3
11 17	3 0.39	+27 24.2	2.310	3.287	3.2	21.2
11 27	2 50.45	+27 2.7	2.332	3.279	5.8	21.4
12 7	2 41.90	+26 36.3	2.382	3.270	8.8	21.6
12 17	2 35.41	+26 9.8	2.458	3.260	11.6	21.7

188123 2002 CT 11 11.3 336°.31 4°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.03	+ 8 16.4	1.806	2.665	13.4	20.5
10 18	3 23.75	+ 7 6.3	1.737	2.659	10.1	20.3
10 28	3 17.43	+ 5 54.5	1.692	2.654	6.7	20.1
11 7	3 9.81	+ 4 47.2	1.673	2.649	4.7	19.9
11 17	3 1.82	+ 3 50.8	1.682	2.645	6.1	20.0
11 27	2 54.51	+ 3 10.6	1.718	2.641	9.4	20.2
12 7	2 48.74	+ 2 49.7	1.779	2.637	12.8	20.4
12 17	2 45.13	+ 2 48.6	1.860	2.634	15.8	20.6

123819 2001 BS_{77} 11 11.3 351°.79 4°.3/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.80	+31 12.8	2.087	2.885	14.1	19.8
10 18	3 26.64	+31 23.3	2.006	2.884	11.3	19.6
10 28	3 19.24	+31 17.8	1.948	2.883	8.1	19.4
11 7	3 10.38	+30 55.2	1.915	2.883	5.3	19.2
11 17	3 1.07	+30 16.7	1.910	2.882	4.4	19.2
11 27	2 52.46	+29 26.4	1.934	2.882	6.6	19.3
12 7	2 45.53	+28 30.4	1.984	2.881	9.8	19.5
12 17	2 40.94	+27 35.2	2.059	2.881	12.7	19.7

227218 Rényi 11 11.3 56°.77 0°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.19	+20 9.4	1.280	2.133	18.1	20.5
10 18	3 30.35	+19 59.5	1.235	2.154	13.5	20.3
10 28	3 21.57	+19 37.5	1.210	2.176	8.3	20.1
11 7	3 11.05	+19 5.6	1.210	2.198	2.7	19.8
11 17	3 0.32	+18 28.4	1.236	2.221	3.1	19.9
11 27	2 50.94	+17 52.3	1.288	2.243	8.4	20.3
12 7	2 44.08	+17 23.7	1.365	2.266	13.0	20.6
12 17	2 40.33	+17 6.8	1.463	2.289	16.8	20.9

436478 2011 EC_{9} 11 11.3 176°.88 3°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.29	+26 51.1	1.925	2.734	14.7	22.0
10 18	3 30.78	+26 58.6	1.846	2.736	11.4	21.8
10 28	3 21.79	+26 51.9	1.790	2.738	7.7	21.6
11 7	3 11.17	+26 30.3	1.760	2.739	4.1	21.4
11 17	3 0.06	+25 55.3	1.760	2.739	3.5	21.4
11 27	2 49.75	+25 11.4	1.788	2.739	6.8	21.6
12 7	2 41.33	+24 25.0	1.844	2.738	10.6	21.8
12 17	2 35.50	+23 42.2	1.924	2.737	13.9	22.0

483956 2006 BL_{171} 11 11.3 173°.14 3°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.48	+ 4 1.3	2.916	3.751	9.5	22.5
10 18	3 23.32	+ 3 16.8	2.847	3.754	7.2	22.4
10 28	3 16.86	+ 2 34.6	2.806	3.756	5.1	22.2
11 7	3 9.61	+ 1 58.1	2.793	3.758	4.0	22.2
11 17	3 2.16	+ 1 30.4	2.810	3.760	4.8	22.2
11 27	2 55.16	+ 1 14.0	2.856	3.761	6.9	22.4
12 7	2 49.16	+ 1 10.1	2.930	3.761	9.1	22.5
12 17	2 44.58	+ 1 18.8	3.028	3.761	11.2	22.7

439022 2011 DL_{40} 11 11.3 194°.84 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.68	+22 0.3	1.865	2.691	14.4	22.2
10 18	3 29.58	+21 52.1	1.785	2.689	10.9	22.0
10 28	3 21.07	+21 32.8	1.728	2.687	6.9	21.7
11 7	3 10.96	+21 3.0	1.698	2.685	2.6	21.5
11 17	3 0.36	+20 25.6	1.697	2.681	2.6	21.5
11 27	2 50.51	+19 45.3	1.726	2.677	6.9	21.7
12 7	2 42.47	+19 7.6	1.781	2.673	11.0	22.0
12 17	2 36.96	+18 37.6	1.860	2.668	14.5	22.2

459455 2012 XB_{56} 11 11.3 283°.62 16°.7/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.39	+51 31.8	1.211	1.942	25.7	20.9
10 18	3 38.59	+52 58.0	1.140	1.935	23.4	20.7
10 28	3 28.16	+53 45.8	1.081	1.927	20.8	20.5
11 7	3 13.40	+53 41.4	1.038	1.920	18.4	20.3
11 17	2 57.06	+52 35.7	1.013	1.913	16.9	20.2
11 27	2 42.65	+50 31.7	1.008	1.906	16.9	20.2
12 7	2 32.85	+47 46.0	1.023	1.900	18.6	20.3
12 17	2 28.76	+44 40.8	1.057	1.893	21.2	20.4

412937 2014 QD_{204} 11 11.3 87°.84 0°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.29	+21 21.1	2.217	3.044	12.4	21.2
10 18	3 25.78	+21 1.5	2.155	3.061	9.3	21.0
10 28	3 18.48	+20 32.9	2.117	3.077	5.7	20.8
11 7	3 10.11	+19 56.9	2.106	3.093	2.0	20.6
11 17	3 1.54	+19 16.5	2.125	3.109	2.1	20.6
11 27	2 53.68	+18 36.0	2.174	3.125	5.8	20.9
12 7	2 47.31	+17 59.4	2.251	3.141	9.1	21.2
12 17	2 42.92	+17 30.4	2.352	3.157	11.9	21.4

239947 2001 DT_{43} 11 11.3 133°.97 7°.2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.05	+ 0 1.6	1.907	2.753	13.3	20.4
10 18	3 25.75	− 1 18.4	1.853	2.759	10.5	20.2
10 28	3 18.53	− 2 32.1	1.824	2.765	8.1	20.1
11 7	3 10.14	− 3 32.5	1.821	2.771	7.2	20.0
11 17	3 1.51	− 4 13.9	1.845	2.776	8.4	20.1
11 27	2 53.62	− 4 32.7	1.895	2.781	10.8	20.3
12 7	2 47.29	− 4 28.5	1.969	2.786	13.5	20.5
12 17	2 43.05	− 4 2.9	2.064	2.791	15.9	20.7

16981 1999 AU_{7} 11 11.3 157°.33 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.05	+18 56.1	1.480	2.322	16.7	18.3
10 18	3 31.77	+18 56.8	1.411	2.326	12.5	18.0
10 28	3 22.58	+18 48.0	1.365	2.329	7.7	17.8
11 7	3 11.45	+18 30.9	1.344	2.332	2.5	17.4
11 17	2 59.77	+18 8.2	1.350	2.334	3.0	17.5
11 27	2 49.08	+17 45.0	1.384	2.337	8.2	17.8
12 7	2 40.68	+17 26.8	1.443	2.338	12.9	18.1
12 17	2 35.31	+17 17.9	1.525	2.340	16.8	18.4

147823 2005 SO_{187} 11 11.3 95°.23 1°.3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.92	+14 57.9	2.092	2.931	12.6	20.0
10 18	3 26.32	+14 37.6	2.029	2.944	9.3	19.8
10 28	3 18.84	+14 12.8	1.991	2.956	5.6	19.6
11 7	3 10.24	+13 45.9	1.981	2.968	1.9	19.4
11 17	3 1.39	+13 20.2	2.000	2.981	2.9	19.5
11 27	2 53.26	+12 59.2	2.048	2.992	6.6	19.7
12 7	2 46.64	+12 45.9	2.123	3.004	10.0	20.0
12 17	2 42.06	+12 42.4	2.223	3.016	12.9	20.2

278722 2008 SJ_{61} 11 11.3 94°.35 0°.8/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.38	+17 42.2	1.665	2.507	15.1	21.2
10 18	3 29.19	+17 9.5	1.612	2.527	11.2	21.0
10 28	3 20.67	+16 28.2	1.581	2.547	6.7	20.8
11 7	3 10.79	+15 41.8	1.577	2.566	2.0	20.6
11 17	3 0.72	+14 55.0	1.602	2.585	3.1	20.7
11 27	2 51.69	+14 13.2	1.655	2.603	7.5	21.0
12 7	2 44.64	+13 41.2	1.735	2.622	11.5	21.3
12 17	2 40.14	+13 22.1	1.837	2.639	14.9	21.6

372855 2010 VX_{160} 11 11.3 125°.11 1°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.96	+24 31.1	1.512	2.345	16.9	20.8
10 18	3 30.09	+23 59.5	1.447	2.354	12.8	20.6
10 28	3 21.44	+23 10.8	1.403	2.362	8.2	20.4
11 7	3 11.07	+22 7.0	1.385	2.370	3.3	20.1
11 17	3 0.34	+20 53.4	1.394	2.378	3.0	20.1
11 27	2 50.71	+19 37.8	1.431	2.386	7.8	20.4
12 7	2 43.34	+18 28.9	1.494	2.393	12.3	20.7
12 17	2 38.89	+17 32.9	1.579	2.399	16.1	21.0

327572 2006 DJ_{46} 11 11.3 222°.89 1°.3/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.31	+14 52.1	2.533	3.369	10.8	21.9
10 18	3 24.24	+14 24.3	2.450	3.364	8.0	21.7
10 28	3 17.57	+13 52.1	2.393	3.358	4.8	21.5
11 7	3 9.87	+13 17.8	2.364	3.352	1.7	21.3
11 17	3 1.86	+12 44.4	2.365	3.345	2.7	21.4
11 27	2 54.33	+12 15.3	2.397	3.339	6.0	21.6
12 7	2 47.97	+11 53.5	2.456	3.332	9.0	21.8
12 17	2 43.30	+11 41.0	2.540	3.325	11.7	21.9

109701 2001 RY_{40} 11 11.3 300°.08 0°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.11	+17 3.4	1.912	2.748	13.7	19.1
10 18	3 29.09	+17 22.5	1.835	2.746	10.3	18.9
10 28	3 20.77	+17 36.8	1.781	2.745	6.3	18.6
11 7	3 10.89	+17 46.5	1.755	2.743	2.0	18.3
11 17	3 0.50	+17 53.0	1.757	2.741	2.5	18.4
11 27	2 50.77	+17 58.6	1.789	2.739	6.9	18.7
12 7	2 42.73	+18 6.3	1.848	2.738	10.8	18.9
12 17	2 37.08	+18 19.0	1.930	2.736	14.1	19.1

359929 2011 WH_{151} 11 11.3 200°.27 6°.5/16.0 17

10 8	3 35.30	+37 12.1	2.038	2.806	15.4	21.1
10 18	3 29.50	+37 35.6	1.956	2.805	12.8	21.0
10 28	3 21.11	+37 38.9	1.895	2.804	10.0	20.8
11 7	3 11.01	+37 19.2	1.858	2.803	7.5	20.6
11 17	3 0.37	+36 36.4	1.847	2.801	6.5	20.6
11 27	2 50.54	+35 34.7	1.865	2.800	7.9	20.6
12 7	2 42.66	+34 21.3	1.909	2.798	10.5	20.8
12 17	2 37.47	+33 4.7	1.977	2.797	13.3	21.0

58850 1998 HH_{74} 11 11.3 126°.53 1°.3/10.4 18

10 8	3 30.62	+15 22.3	2.197	3.036	12.1	19.9
10 18	3 25.34	+14 53.4	2.127	3.041	8.9	19.8
10 28	3 18.27	+14 19.4	2.082	3.047	5.4	19.6
11 7	3 10.08	+13 43.0	2.064	3.052	1.8	19.3
11 17	3 1.62	+13 7.5	2.077	3.057	2.9	19.4
11 27	2 53.80	+12 37.0	2.118	3.062	6.5	19.7
12 7	2 47.37	+12 14.6	2.187	3.067	9.8	19.9
12 17	2 42.89	+12 2.7	2.280	3.072	12.7	20.1

285860 2001 HB_{26} 11 11.3 159°.69 0°.3/11.0 18

10 8	3 30.24	+17 18.4	2.747	3.573	10.3	21.3
10 18	3 24.78	+17 6.5	2.670	3.578	7.6	21.1
10 28	3 17.83	+16 49.5	2.620	3.582	4.6	21.0
11 7	3 9.94	+16 29.1	2.598	3.586	1.4	20.7
11 17	3 1.81	+16 7.3	2.607	3.590	2.0	20.8
11 27	2 54.16	+15 46.8	2.647	3.593	5.2	21.0
12 7	2 47.65	+15 30.3	2.715	3.596	8.1	21.2
12 17	2 42.76	+15 20.0	2.809	3.599	10.6	21.4

30060 Davidseong 11 11.3 161°.54 0°.9/10.7 18

10 8	3 34.73	+17 16.7	1.888	2.725	13.8	20.6
10 18	3 28.66	+16 44.6	1.817	2.730	10.3	20.4
10 28	3 20.40	+16 4.7	1.771	2.735	6.2	20.2
11 7	3 10.75	+15 19.6	1.751	2.740	1.9	19.9
11 17	3 0.76	+14 33.6	1.761	2.743	3.0	20.0
11 27	2 51.57	+13 51.8	1.800	2.747	7.2	20.3
12 7	2 44.11	+13 18.8	1.866	2.749	11.1	20.5
12 17	2 39.01	+12 57.7	1.956	2.751	14.3	20.8

183022 2002 PQ_{110} 11 11.3 90°.03 3°.5/13.0 18

10 8	3 39.05	+25 52.5	1.472	2.298	17.6	20.1
10 18	3 32.54	+26 16.0	1.413	2.313	13.6	19.9
10 28	3 23.02	+26 23.9	1.376	2.328	9.1	19.6
11 7	3 11.58	+26 14.7	1.363	2.343	4.7	19.4
11 17	2 59.70	+25 50.0	1.377	2.357	4.1	19.4
11 27	2 49.01	+25 15.3	1.418	2.371	8.0	19.7
12 7	2 40.78	+24 37.9	1.485	2.385	12.2	20.0
12 17	2 35.73	+24 4.8	1.574	2.399	15.9	20.2

510217 2011 EK_{5} 11 11.3 144°.56 1°.1/10.6 18

10 8	3 35.21	+16 37.7	1.843	2.681	14.1	22.1
10 18	3 29.01	+16 6.6	1.777	2.691	10.4	21.9
10 28	3 20.60	+15 28.1	1.735	2.699	6.3	21.6
11 7	3 10.81	+14 45.4	1.719	2.708	2.0	21.4
11 17	3 0.72	+14 2.5	1.734	2.715	3.1	21.5
11 27	2 51.48	+13 24.5	1.777	2.722	7.3	21.8
12 7	2 44.02	+12 55.8	1.847	2.729	11.2	22.0
12 17	2 38.96	+12 39.2	1.940	2.735	14.5	22.2

349987 2010 EK_{134} 11 11.3 346°.02 3°.4/ 9.2 16

10 8	3 27.14	+14 26.7	1.249	2.125	17.0	20.3
10 18	3 23.96	+13 14.1	1.182	2.116	12.6	20.0
10 28	3 17.96	+11 51.0	1.136	2.108	7.8	19.7
11 7	3 10.09	+10 24.8	1.114	2.101	3.6	19.5
11 17	3 1.64	+ 9 4.7	1.117	2.095	5.6	19.6
11 27	2 54.12	+ 8 0.3	1.145	2.090	10.6	19.9
12 7	2 48.76	+ 7 17.9	1.195	2.086	15.3	20.1
12 17	2 46.30	+ 7 0.2	1.265	2.084	19.4	20.4

187365 2005 UO_{272} 11 11.3 169°.37 1°.2/10.4 18

10 8	3 30.47	+15 12.0	2.269	3.108	11.8	20.9
10 18	3 25.22	+14 45.2	2.195	3.109	8.7	20.7
10 28	3 18.21	+14 13.5	2.145	3.110	5.2	20.5
11 7	3 10.08	+13 39.4	2.124	3.112	1.8	20.2
11 17	3 1.66	+13 6.1	2.132	3.112	2.8	20.3
11 27	2 53.82	+12 37.5	2.170	3.113	6.4	20.5
12 7	2 47.32	+12 16.7	2.235	3.114	9.7	20.7
12 17	2 42.72	+12 5.9	2.324	3.114	12.5	20.9

186932 2004 PC_{85} 11 11.3 46°.62 1°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.34	+15 19.8	1.626	2.476	15.0	19.7
10 18	3 27.52	+14 50.0	1.591	2.511	11.0	19.5
10 28	3 19.55	+14 14.8	1.579	2.546	6.5	19.3
11 7	3 10.44	+13 38.0	1.593	2.581	2.2	19.1
11 17	3 1.31	+13 4.0	1.636	2.617	3.4	19.3
11 27	2 53.29	+12 37.2	1.706	2.652	7.5	19.6
12 7	2 47.20	+12 21.1	1.801	2.688	11.2	19.9
12 17	2 43.52	+12 17.1	1.920	2.723	14.3	20.2

359847 2011 UK_{352} 11 11.3 112°.37 2°.4/12.8 18

10 8	3 33.13	+25 8.6	1.905	2.726	14.3	21.0
10 18	3 27.68	+25 10.5	1.829	2.728	11.0	20.8
10 28	3 19.92	+24 59.4	1.775	2.729	7.3	20.6
11 7	3 10.64	+24 35.6	1.748	2.730	3.5	20.3
11 17	3 0.92	+24 1.0	1.749	2.731	3.0	20.3
11 27	2 51.95	+23 20.3	1.779	2.733	6.6	20.5
12 7	2 44.74	+22 39.1	1.836	2.734	10.4	20.8
12 17	2 39.96	+22 2.8	1.916	2.735	13.7	21.0

314395 2005 UW_{182} 11 11.3 265°.80 0°.4/11.0 18

10 8	3 30.89	+17 20.4	2.139	2.976	12.4	21.3
10 18	3 25.73	+17 6.2	2.058	2.971	9.3	21.0
10 28	3 18.63	+16 45.6	2.001	2.966	5.6	20.8
11 7	3 10.24	+16 20.4	1.972	2.960	1.7	20.5
11 17	3 1.45	+15 53.5	1.971	2.955	2.5	20.6
11 27	2 53.23	+15 28.5	2.000	2.949	6.4	20.8
12 7	2 46.44	+15 9.1	2.057	2.943	10.0	21.1
12 17	2 41.69	+14 58.3	2.137	2.938	13.1	21.3

50455 2000 DX_{52} 11 11.3 93°.14 0°.6/10.9 18

10 8	3 32.66	+17 44.1	1.913	2.752	13.6	18.9
10 18	3 27.02	+17 14.9	1.853	2.767	10.1	18.7
10 28	3 19.33	+16 38.1	1.817	2.781	6.0	18.5
11 7	3 10.42	+15 56.5	1.807	2.796	1.8	18.2
11 17	3 1.28	+15 14.0	1.827	2.810	2.7	18.3
11 27	2 52.97	+14 35.4	1.876	2.824	6.8	18.6
12 7	2 46.34	+14 5.0	1.952	2.838	10.5	18.9
12 17	2 41.94	+13 45.6	2.051	2.852	13.6	19.1

266881 2009 VW_{78} 11 11.3 357°.09 9°.0/ 5.9 18

10 8	3 30.74	− 8 18.9	2.013	2.841	13.4	19.6
10 18	3 25.51	− 9 7.0	1.958	2.839	11.3	19.4
10 28	3 18.41	− 9 41.5	1.925	2.838	9.6	19.3
11 7	3 10.15	− 9 56.5	1.917	2.838	9.0	19.3
11 17	3 1.62	− 9 48.2	1.935	2.837	9.9	19.3
11 27	2 53.77	− 9 15.2	1.979	2.837	11.8	19.5
12 7	2 47.40	− 8 19.3	2.045	2.838	13.9	19.6
12 17	2 43.06	− 7 4.0	2.131	2.838	16.0	19.8

402508 2006 DK_{89} 11 11.3 0°.93 8°.3/16.6 17

10 8	3 36.55	+40 9.8	2.077	2.826	15.7	20.6
10 18	3 30.70	+41 17.4	1.998	2.826	13.4	20.4
10 28	3 22.02	+42 5.6	1.940	2.825	11.0	20.3
11 7	3 11.36	+42 29.9	1.905	2.825	9.1	20.2
11 17	2 59.93	+42 27.7	1.895	2.826	8.3	20.1
11 27	2 49.21	+42 1.1	1.913	2.826	9.2	20.2
12 7	2 40.51	+41 16.1	1.955	2.827	11.2	20.3
12 17	2 34.69	+40 21.0	2.021	2.829	13.5	20.5

485827 2012 DB_{67} 11 11.3 225°.78 8°.5/ 2.9 18

10 8	3 28.37	− 9 9.0	2.512	3.330	11.4	22.1
10 18	3 23.51	−10 39.1	2.453	3.323	9.7	22.0
10 28	3 17.11	−11 58.8	2.418	3.315	8.6	21.9
11 7	3 9.76	−13 2.1	2.410	3.307	8.5	21.9
11 17	3 2.12	−13 44.1	2.428	3.299	9.5	21.9
11 27	2 54.98	−14 2.2	2.472	3.290	11.1	22.0
12 7	2 48.98	−13 56.3	2.538	3.281	12.9	22.2
12 17	2 44.62	−13 28.6	2.623	3.272	14.5	22.3

413280 2003 UX_{78} 11 11.3 257°.29 5°.5/14.9 17

10 8	3 35.27	+34 13.5	2.439	3.208	13.1	20.5
10 18	3 29.19	+35 0.6	2.349	3.202	10.8	20.4
10 28	3 20.87	+35 33.7	2.282	3.196	8.3	20.2
11 7	3 10.97	+35 50.0	2.241	3.190	6.1	20.0
11 17	3 0.46	+35 48.4	2.228	3.183	5.5	20.0
11 27	2 50.46	+35 30.8	2.245	3.177	6.9	20.1
12 7	2 41.99	+35 1.6	2.288	3.170	9.3	20.2
12 17	2 35.78	+34 26.5	2.357	3.164	11.8	20.4

113213 2002 RM_{118} 11 11.3 86°.86 1°.2/10.6 18

10 8	3 34.66	+14 48.1	1.882	2.723	13.7	19.3
10 18	3 28.49	+14 39.4	1.826	2.740	10.1	19.1
10 28	3 20.23	+14 26.4	1.793	2.758	6.1	18.9
11 7	3 10.71	+14 11.2	1.787	2.775	2.0	18.7
11 17	3 0.95	+13 56.7	1.811	2.792	3.0	18.8
11 27	2 52.05	+13 46.2	1.863	2.809	7.0	19.1
12 7	2 44.88	+13 42.8	1.942	2.826	10.7	19.4
12 17	2 40.02	+13 48.4	2.045	2.842	13.7	19.6

6573 Magnitskij 11 11.3 27.°68 1.°4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.33	+16 21.5	1.435	2.294	16.2	16.9
10 18	3 26.67	+15 49.6	1.376	2.300	12.0	16.6
10 28	3 19.41	+15 9.4	1.338	2.307	7.2	16.4
11 7	3 10.50	+14 24.9	1.326	2.314	2.3	16.1
11 17	3 1.22	+13 41.5	1.340	2.322	3.7	16.2
11 27	2 52.92	+13 5.2	1.380	2.330	8.5	16.5
12 7	2 46.70	+12 41.0	1.445	2.339	12.9	16.8
12 17	2 43.20	+12 31.5	1.531	2.349	16.6	17.1

421514 2014 OZ_{101} 11 11.3 328.°04 5.°4/ 7.3 18

10 8	3 28.62	+ 3 34.0	2.101	2.950	12.1	20.7
10 18	3 23.92	+ 2 35.0	2.035	2.948	9.3	20.5
10 28	3 17.46	+ 1 39.1	1.994	2.946	6.7	20.3
11 7	3 9.88	+ 0 51.5	1.979	2.944	5.4	20.3
11 17	3 2.01	+ 0 17.0	1.993	2.942	6.6	20.3
11 27	2 54.73	− 0 0.8	2.034	2.940	9.2	20.5
12 7	2 48.81	− 0 0.5	2.100	2.939	11.9	20.7
12 17	2 44.77	+ 0 17.4	2.188	2.937	14.5	20.9

205144 1999 XX_{9} 11 11.3 6.°91 0.°3/11.4 18

10 8	3 32.94	+18 34.5	1.469	2.321	16.3	20.0
10 18	3 28.01	+18 37.8	1.401	2.321	12.2	19.8
10 28	3 20.33	+18 32.5	1.356	2.322	7.5	19.5
11 7	3 10.82	+18 19.7	1.335	2.323	2.4	19.2
11 17	3 0.77	+18 2.4	1.340	2.325	2.9	19.3
11 27	2 51.62	+17 45.2	1.373	2.327	8.0	19.6
12 7	2 44.58	+17 32.9	1.430	2.330	12.6	19.9
12 17	2 40.40	+17 29.6	1.509	2.334	16.4	20.1

520303 2014 FL_{75} 11 11.3 150.°62 5.°2/ 7.4 18

10 8	3 31.07	+ 4 42.7	2.068	2.914	12.4	21.5
10 18	3 25.68	+ 3 33.3	2.007	2.920	9.5	21.4
10 28	3 18.48	+ 2 26.0	1.972	2.925	6.7	21.2
11 7	3 10.18	+ 1 26.5	1.964	2.930	5.3	21.1
11 17	3 1.64	+ 0 40.0	1.985	2.935	6.5	21.2
11 27	2 53.78	+ 0 10.5	2.033	2.939	9.2	21.4
12 7	2 47.37	− 0 0.3	2.107	2.943	12.0	21.6
12 17	2 42.93	+ 0 7.2	2.203	2.947	14.5	21.8

97200 1999 XK_{8} 11 11.3 304.°77 5.°9/ 8.6 18

10 8	3 33.65	+ 3 3.6	1.651	2.503	14.8	18.8
10 18	3 28.27	+ 2 39.3	1.574	2.489	11.5	18.6
10 28	3 20.41	+ 2 20.8	1.519	2.475	8.1	18.3
11 7	3 10.86	+ 2 13.3	1.490	2.461	6.0	18.2
11 17	3 0.69	+ 2 21.0	1.488	2.447	7.2	18.2
11 27	2 51.19	+ 2 46.8	1.512	2.434	10.6	18.4
12 7	2 43.47	+ 3 30.9	1.561	2.421	14.2	18.6
12 17	2 38.29	+ 4 31.6	1.631	2.408	17.5	18.8

25558 1999 XT_{172} 11 11.3 170.°51 2.°7/ 9.7 18

10 8	3 34.30	+ 9 36.4	2.177	3.014	12.2	18.4
10 18	3 28.08	+ 9 21.9	2.105	3.017	9.1	18.2
10 28	3 19.97	+ 9 7.2	2.058	3.019	5.7	18.0
11 7	3 10.66	+ 8 55.0	2.039	3.022	2.9	17.9
11 17	3 1.01	+ 8 48.0	2.050	3.023	4.0	17.9
11 27	2 51.99	+ 8 48.9	2.091	3.024	7.3	18.1
12 7	2 44.43	+ 8 59.4	2.159	3.025	10.5	18.3
12 17	2 38.90	+ 9 20.3	2.251	3.025	13.4	18.5

239487 2007 UD_{105} 11 11.3 53.°70 4.°2/ 9.7 18

10 8	3 36.51	+ 6 54.8	1.512	2.365	15.8	18.8
10 18	3 30.10	+ 6 48.4	1.469	2.388	11.8	18.6
10 28	3 21.27	+ 6 45.4	1.448	2.410	7.6	18.5
11 7	3 11.03	+ 6 49.5	1.453	2.433	4.4	18.3
11 17	3 0.62	+ 7 3.2	1.485	2.456	5.5	18.5
11 27	2 51.34	+ 7 28.4	1.544	2.479	9.2	18.7
12 7	2 44.16	+ 8 5.4	1.629	2.503	12.9	19.0
12 17	2 39.64	+ 8 53.4	1.735	2.526	16.1	19.3

445852 2012 FU_{81} 11 11.3 351.°90 0.°1/11.3 18

10 8	3 34.55	+16 4.8	2.008	2.844	13.2	20.0
10 18	3 28.59	+16 29.1	1.931	2.842	9.9	19.7
10 28	3 20.44	+16 49.8	1.878	2.841	6.0	19.5
11 7	3 10.84	+17 7.2	1.852	2.840	1.8	19.2
11 17	3 0.75	+17 22.2	1.856	2.839	2.5	19.3
11 27	2 51.27	+17 36.8	1.889	2.839	6.6	19.5
12 7	2 43.38	+17 53.3	1.949	2.838	10.4	19.8
12 17	2 37.75	+18 14.0	2.034	2.838	13.6	20.0

122090 2000 HC_{50} 11 11.3 76.°46 0.°5/11.6 18

10 8	3 35.64	+21 19.5	1.516	2.356	16.4	19.4
10 18	3 29.59	+20 46.4	1.466	2.379	12.3	19.2
10 28	3 21.00	+20 0.5	1.439	2.402	7.5	19.0
11 7	3 10.95	+19 5.0	1.437	2.425	2.4	18.8
11 17	3 0.74	+18 5.1	1.463	2.447	2.8	18.9
11 27	2 51.73	+17 7.9	1.517	2.470	7.6	19.2
12 7	2 44.91	+16 19.6	1.597	2.492	11.8	19.5
12 17	2 40.84	+15 44.5	1.699	2.514	15.3	19.8

31357 1998 UP_{20} 11 11.3 191.°81 0.°1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.79	+18 10.5	1.886	2.717	14.1	18.6
10 18	3 30.38	+18 10.1	1.807	2.716	10.6	18.4
10 28	3 21.58	+18 2.5	1.752	2.715	6.5	18.2
11 7	3 11.19	+17 48.7	1.724	2.712	2.0	17.9
11 17	3 0.30	+17 31.0	1.726	2.710	2.6	17.9
11 27	2 50.14	+17 13.1	1.757	2.706	7.0	18.2
12 7	2 41.74	+16 59.2	1.815	2.702	11.1	18.4
12 17	2 35.82	+16 52.9	1.896	2.698	14.5	18.7

263592 2008 FJ_{115} 11 11.3 55.°14 0.°7/10.9 18

10 8	3 31.57	+16 40.5	1.908	2.751	13.5	20.8
10 18	3 26.32	+16 25.5	1.842	2.758	10.0	20.6
10 28	3 19.00	+16 4.3	1.799	2.765	6.0	20.4
11 7	3 10.37	+15 39.1	1.784	2.772	1.8	20.1
11 17	3 1.42	+15 13.1	1.797	2.780	2.7	20.2
11 27	2 53.21	+14 50.4	1.838	2.787	6.9	20.5
12 7	2 46.63	+14 34.6	1.906	2.795	10.6	20.7
12 17	2 42.26	+14 28.2	1.998	2.802	13.7	20.9

12907 1998 RV_{79} 11 11.3 154.°35 1.°4/10.3 18

10 8	3 33.00	+14 39.9	2.191	3.026	12.2	18.4
10 18	3 27.11	+14 13.0	2.120	3.033	9.0	18.2
10 28	3 19.36	+13 41.5	2.075	3.040	5.5	18.0
11 7	3 10.47	+13 8.1	2.058	3.045	2.0	17.8
11 17	3 1.30	+12 35.9	2.071	3.051	3.0	17.9
11 27	2 52.78	+12 9.0	2.114	3.056	6.6	18.2
12 7	2 45.73	+11 50.3	2.184	3.060	10.0	18.4
12 17	2 40.68	+11 42.1	2.278	3.064	12.9	18.6

488802 2005 ED_{174} 11 11.3 292.°10 5.°3/ 6.4 17

10 8	3 27.06	+ 4 35.1	2.288	3.137	11.3	21.8
10 18	3 22.77	+ 3 10.7	2.204	3.117	8.7	21.6
10 28	3 16.80	+ 1 46.2	2.146	3.098	6.3	21.4
11 7	3 9.72	+ 0 27.3	2.115	3.078	5.3	21.3
11 17	3 2.25	− 0 40.0	2.114	3.058	6.6	21.4
11 27	2 55.23	− 1 30.7	2.140	3.039	9.2	21.5
12 7	2 49.40	− 2 1.9	2.192	3.019	11.9	21.6
12 17	2 45.31	− 2 13.0	2.265	2.999	14.4	21.8

115795 2003 UM_{227} 11 11.3 217.°68 0.°1/11.2 18

10 8	3 32.14	+21 13.8	2.269	3.093	12.2	20.5
10 18	3 26.55	+20 14.9	2.179	3.085	9.2	20.3
10 28	3 19.08	+19 3.9	2.114	3.076	5.6	20.0
11 7	3 10.41	+17 44.0	2.078	3.067	1.7	19.7
11 17	3 1.39	+16 19.7	2.073	3.057	2.3	19.8
11 27	2 52.97	+14 57.3	2.099	3.046	6.3	20.0
12 7	2 45.98	+13 42.7	2.153	3.035	9.9	20.2
12 17	2 40.99	+12 40.4	2.233	3.023	12.9	20.4

412668 2014 OK_{197} 11 11.3 353.°20 12.°1/30.7 18

10 8	3 25.82	−11 59.4	1.806	2.638	14.6	19.5
10 18	3 22.13	−14 18.4	1.764	2.634	12.9	19.4
10 28	3 16.49	−16 20.9	1.745	2.630	12.1	19.3
11 7	3 9.63	−17 57.0	1.750	2.627	12.4	19.4
11 17	3 2.44	−18 59.6	1.778	2.624	13.6	19.4
11 27	2 55.93	−19 25.6	1.827	2.623	15.3	19.5
12 7	2 50.94	−19 16.4	1.895	2.622	17.1	19.7
12 17	2 48.01	−18 36.4	1.978	2.622	18.8	19.8

82614 2001 OF_{101} 11 11.3 7.°48 1.°2/12.1 18

10 8	3 31.26	+23 2.2	1.825	2.658	14.4	19.0
10 18	3 26.32	+22 39.2	1.750	2.658	10.9	18.8
10 28	3 19.11	+22 3.2	1.698	2.658	6.9	18.6
11 7	3 10.44	+21 16.1	1.672	2.658	2.6	18.3
11 17	3 1.37	+20 21.5	1.675	2.659	2.5	18.3
11 27	2 53.07	+19 25.1	1.706	2.660	6.8	18.6
12 7	2 46.52	+18 33.2	1.763	2.660	10.8	18.8
12 17	2 42.35	+17 50.8	1.844	2.661	14.2	19.1

104789 2000 HL_{36} 11 11.3 194.°02 3.°5/ 8.6 18

10 8	3 31.52	+ 7 5.5	2.548	3.384	10.7	21.6
10 18	3 25.81	+ 6 26.7	2.472	3.382	8.0	21.4
10 28	3 18.51	+ 5 48.3	2.421	3.379	5.3	21.2
11 7	3 10.22	+ 5 13.9	2.400	3.375	3.6	21.1
11 17	3 1.65	+ 4 46.9	2.408	3.371	4.6	21.1
11 27	2 53.57	+ 4 30.2	2.447	3.366	7.2	21.3
12 7	2 46.68	+ 4 25.6	2.513	3.360	9.9	21.5
12 17	2 41.49	+ 4 33.8	2.602	3.354	12.3	21.6

214986 2008 AY_{114} 11 11.3 110.°58 3.°0/ 9.3 18

10 8	3 30.83	+11 8.9	1.981	2.829	12.8	21.0
10 18	3 25.65	+10 25.2	1.916	2.834	9.5	20.8
10 28	3 18.54	+ 9 38.8	1.875	2.839	5.9	20.6
11 7	3 10.24	+ 8 54.0	1.861	2.844	3.1	20.4
11 17	3 1.65	+ 8 15.3	1.876	2.848	4.4	20.5
11 27	2 53.75	+ 7 46.9	1.919	2.853	7.8	20.7
12 7	2 47.38	+ 7 31.6	1.988	2.857	11.2	21.0
12 17	2 43.07	+ 7 30.6	2.081	2.862	14.1	21.2

181310 2006 QE_{35} 11 11.3 17°.46 2°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 27.47	+25 4.8	0.876	1.756	22.0	18.6
10 18	3 25.07	+24 44.2	0.833	1.764	16.9	18.3
10 28	3 18.93	+23 59.2	0.806	1.774	10.8	18.1
11 7	3 10.44	+22 53.0	0.800	1.786	4.6	17.8
11 17	3 1.49	+21 33.6	0.815	1.800	3.9	17.8
11 27	2 54.10	+20 13.4	0.852	1.816	9.8	18.2
12 7	2 49.70	+19 4.3	0.911	1.834	15.3	18.6
12 17	2 48.95	+18 13.7	0.987	1.853	20.0	18.9

96567 1998 TE_{18} 11 11.3 344°.14 1°.0/10.5 18

10 8	3 26.87	+20 2.0	1.775	2.624	14.0	18.5
10 18	3 23.07	+18 42.7	1.696	2.616	10.4	18.3
10 28	3 17.13	+17 9.4	1.642	2.609	6.3	18.0
11 7	3 9.84	+15 26.9	1.614	2.602	1.9	17.7
11 17	3 2.17	+13 42.6	1.614	2.596	3.2	17.8
11 27	2 55.22	+12 5.0	1.643	2.591	7.6	18.1
12 7	2 49.90	+10 41.6	1.699	2.586	11.7	18.3
12 17	2 46.81	+ 9 36.9	1.777	2.582	15.2	18.5

453958 2012 BW_{20} 11 11.3 284°.48 4°.9/15.1 17

10 8	3 32.22	+33 47.4	2.038	2.826	14.7	20.9
10 18	3 27.17	+33 44.5	1.945	2.814	12.0	20.7
10 28	3 19.73	+33 22.2	1.873	2.801	8.9	20.5
11 7	3 10.67	+32 39.1	1.827	2.789	6.0	20.3
11 17	3 1.07	+31 36.5	1.808	2.777	5.0	20.2
11 27	2 52.16	+30 19.3	1.818	2.765	7.1	20.3
12 7	2 45.02	+28 55.2	1.854	2.753	10.3	20.5
12 17	2 40.35	+27 32.3	1.916	2.741	13.4	20.7

154897 2004 RN_{232} 11 11.3 328°.47 2°.2/12.7 17

10 8	3 32.49	+24 18.6	2.154	2.972	13.0	20.4
10 18	3 27.03	+24 32.2	2.073	2.971	10.0	20.2
10 28	3 19.49	+24 35.5	2.017	2.970	6.6	20.0
11 7	3 10.57	+24 28.3	1.987	2.969	3.2	19.8
11 17	3 1.21	+24 11.8	1.987	2.968	2.8	19.7
11 27	2 52.46	+23 49.1	2.015	2.967	6.1	20.0
12 7	2 45.24	+23 24.8	2.071	2.967	9.5	20.2
12 17	2 40.18	+23 3.0	2.152	2.966	12.6	20.4

396818 2004 RJ_3 11 11.3 353°.92 4°.0/ 8.1 16

10 8	3 22.65	+25 43.1	0.727	1.622	23.6	19.5
10 18	3 21.94	+21 54.9	0.670	1.615	17.5	19.1
10 28	3 17.24	+17 10.8	0.632	1.609	10.3	18.7
11 7	3 9.97	+11 53.9	0.617	1.605	4.1	18.4
11 17	3 2.14	+ 6 42.7	0.626	1.603	8.6	18.6
11 27	2 55.89	+ 2 16.6	0.658	1.603	15.9	19.0
12 7	2 52.70	− 1 1.7	0.709	1.605	22.2	19.4
12 17	2 53.21	− 3 8.6	0.776	1.608	27.2	19.7

116816 2004 EY_{83} 11 11.3 242°.80 1°.6/12.2 18

10 8	3 35.52	+22 36.6	1.687	2.518	15.5	20.8
10 18	3 29.86	+22 33.2	1.602	2.509	11.8	20.5
10 28	3 21.49	+22 17.3	1.540	2.499	7.6	20.3
11 7	3 11.25	+21 49.3	1.503	2.489	3.0	20.0
11 17	3 0.34	+21 11.6	1.494	2.478	2.9	19.9
11 27	2 50.16	+20 29.5	1.514	2.468	7.5	20.2
12 7	2 41.95	+19 49.3	1.559	2.456	12.0	20.4
12 17	2 36.50	+19 16.9	1.628	2.445	15.8	20.7

244433 2002 QT_{109} 11 11.3 164°.25 2°.0/12.7 18

10 8	3 33.90	+24 42.9	2.046	2.864	13.6	21.5
10 18	3 28.10	+24 36.8	1.969	2.867	10.5	21.3
10 28	3 20.14	+24 18.5	1.916	2.870	6.8	21.1
11 7	3 10.78	+23 48.4	1.889	2.872	3.1	20.9
11 17	3 1.04	+23 8.9	1.892	2.874	2.7	20.9
11 27	2 52.01	+22 24.4	1.923	2.876	6.3	21.1
12 7	2 44.65	+21 40.4	1.983	2.877	9.9	21.3
12 17	2 39.58	+21 1.9	2.066	2.878	13.1	21.5

36850 2000 SZ_{122} 11 11.3 355°.10 1°.6/10.4 18

10 8	3 30.48	+14 39.0	1.893	2.740	13.3	18.6
10 18	3 25.60	+14 15.1	1.820	2.739	9.9	18.4
10 28	3 18.63	+13 46.2	1.772	2.738	6.0	18.2
11 7	3 10.33	+13 15.3	1.750	2.738	2.1	18.0
11 17	3 1.63	+12 45.9	1.757	2.737	3.3	18.0
11 27	2 53.61	+12 22.3	1.791	2.737	7.3	18.3
12 7	2 47.17	+12 8.0	1.852	2.737	11.1	18.5
12 17	2 42.93	+12 5.2	1.936	2.737	14.3	18.7

183857 2004 CG_6 11 11.3 218°.73 4°.0/ 9.3 18

10 8	3 35.00	+ 9 10.8	1.600	2.453	15.1	20.4
10 18	3 29.28	+ 8 36.0	1.530	2.449	11.4	20.2
10 28	3 21.01	+ 8 0.3	1.482	2.446	7.3	19.9
11 7	3 11.08	+ 7 28.4	1.460	2.442	4.2	19.7
11 17	3 0.65	+ 7 5.3	1.466	2.438	5.6	19.8
11 27	2 51.02	+ 6 55.4	1.499	2.433	9.5	20.0
12 7	2 43.32	+ 7 1.2	1.557	2.429	13.6	20.3
12 17	2 38.25	+ 7 23.3	1.636	2.424	17.0	20.5

397654 2007 YU_{39} 11 11.3 346°.96 1°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.71	+13 44.7	1.617	2.470	15.0	20.5
10 18	3 27.63	+13 41.9	1.545	2.466	11.2	20.3
10 28	3 20.05	+13 35.5	1.496	2.463	6.8	20.0
11 7	3 10.81	+13 27.9	1.472	2.460	2.4	19.8
11 17	3 1.02	+13 22.0	1.475	2.457	3.6	19.8
11 27	2 52.00	+13 21.4	1.506	2.455	8.1	20.1
12 7	2 44.84	+13 29.2	1.563	2.453	12.4	20.4
12 17	2 40.28	+13 47.2	1.641	2.452	16.0	20.6

359424 2010 LU_{43} 11 11.3 109°.74 7°.0/17.3 18

10 8	3 39.44	+40 59.8	2.371	3.101	14.5	20.9
10 18	3 32.23	+41 34.8	2.305	3.122	12.2	20.8
10 28	3 22.64	+41 49.8	2.260	3.142	9.9	20.7
11 7	3 11.56	+41 41.9	2.241	3.162	7.9	20.6
11 17	3 0.15	+41 10.7	2.248	3.181	7.0	20.6
11 27	2 49.66	+40 19.8	2.284	3.200	7.8	20.7
12 7	2 41.11	+39 15.7	2.347	3.218	9.6	20.8
12 17	2 35.13	+38 6.0	2.435	3.236	11.7	21.0

284240 2006 DQ_{192} 11 11.3 73°.71 0°.2/11.2 18

10 8	3 34.27	+17 47.5	1.674	2.518	15.0	20.8
10 18	3 28.69	+17 42.0	1.606	2.521	11.2	20.5
10 28	3 20.64	+17 28.8	1.560	2.525	6.8	20.3
11 7	3 10.98	+17 9.7	1.540	2.528	2.1	20.0
11 17	3 0.88	+16 47.6	1.548	2.532	2.8	20.1
11 27	2 51.61	+16 27.0	1.584	2.536	7.5	20.4
12 7	2 44.26	+16 12.3	1.647	2.540	11.7	20.6
12 17	2 39.49	+16 6.7	1.731	2.543	15.2	20.9

78580 2002 SW_5 11 11.3 61°.80 1°.7/10.3 18

10 8	3 31.62	+15 19.2	1.736	2.585	14.3	20.1
10 18	3 26.51	+14 42.4	1.673	2.593	10.6	19.9
10 28	3 19.20	+13 59.2	1.633	2.600	6.4	19.6
11 7	3 10.52	+13 13.3	1.620	2.608	2.3	19.4
11 17	3 1.52	+12 29.5	1.636	2.616	3.5	19.5
11 27	2 53.36	+11 53.0	1.679	2.624	7.7	19.8
12 7	2 46.95	+11 27.8	1.747	2.632	11.6	20.0
12 17	2 42.90	+11 16.3	1.839	2.640	14.9	20.3

438038 2004 JJ_5 11 11.3 176°.33 0°.2/11.4 18

10 8	3 36.54	+18 43.6	1.882	2.713	14.1	22.0
10 18	3 30.18	+18 37.4	1.806	2.715	10.6	21.8
10 28	3 21.48	+18 23.2	1.754	2.716	6.5	21.6
11 7	3 11.24	+18 2.2	1.730	2.718	2.0	21.3
11 17	3 0.56	+17 37.1	1.734	2.718	2.6	21.3
11 27	2 50.63	+17 12.1	1.768	2.718	7.0	21.6
12 7	2 42.49	+16 51.6	1.829	2.717	11.0	21.9
12 17	2 36.80	+16 39.1	1.914	2.716	14.4	22.1

389036 2008 UH_{355} 11 11.3 61°.91 3°.6/13.9 16

10 8	3 34.93	+30 8.6	1.499	2.318	17.7	20.7
10 18	3 29.29	+29 36.6	1.446	2.340	13.8	20.5
10 28	3 20.94	+28 42.4	1.414	2.362	9.4	20.3
11 7	3 11.02	+27 27.8	1.407	2.384	5.1	20.2
11 17	3 0.97	+25 58.2	1.426	2.407	4.0	20.1
11 27	2 52.19	+24 22.6	1.474	2.429	7.5	20.4
12 7	2 45.75	+22 51.1	1.547	2.452	11.5	20.7
12 17	2 42.19	+21 31.4	1.644	2.474	15.1	21.0

333350 2001 TO_{150} 11 11.3 24°.59 1°.8/10.7 18

10 8	3 32.74	+14 13.6	1.048	1.926	19.4	19.4
10 18	3 28.36	+14 11.2	1.004	1.938	14.4	19.2
10 28	3 20.71	+14 3.6	0.980	1.951	8.7	18.9
11 7	3 11.02	+13 54.2	0.978	1.966	2.9	18.6
11 17	3 0.95	+13 47.1	1.000	1.983	4.3	18.8
11 27	2 52.25	+13 47.4	1.045	2.000	9.9	19.1
12 7	2 46.25	+13 58.4	1.113	2.019	14.9	19.5
12 17	2 43.59	+14 21.8	1.201	2.039	19.0	19.8

491870 2013 BC_5 11 11.3 337°.80 2°.5/12.8 18

10 8	3 29.07	+25 49.3	1.390	2.236	17.4	20.4
10 18	3 25.51	+25 28.4	1.312	2.224	13.5	20.1
10 28	3 19.04	+24 48.1	1.254	2.214	8.9	19.8
11 7	3 10.57	+23 49.1	1.219	2.203	4.1	19.5
11 17	3 1.41	+22 36.0	1.210	2.194	3.4	19.5
11 27	2 53.14	+21 17.0	1.227	2.186	8.2	19.7
12 7	2 47.06	+20 1.8	1.269	2.179	13.0	20.0
12 17	2 43.97	+18 58.5	1.331	2.173	17.3	20.2

201364 2002 TU_{252} 11 11.3 308°.26 0°.6/11.8 17

10 8	3 28.57	+21 1.2	2.260	3.091	12.0	19.7
10 18	3 24.04	+20 40.8	2.171	3.079	9.1	19.5
10 28	3 17.67	+20 11.1	2.106	3.068	5.7	19.3
11 7	3 10.08	+19 33.7	2.069	3.056	1.9	19.0
11 17	3 2.07	+18 51.5	2.060	3.045	2.1	19.0
11 27	2 54.57	+18 8.5	2.081	3.034	5.9	19.3
12 7	2 48.40	+17 29.3	2.130	3.023	9.4	19.5
12 17	2 44.14	+16 57.6	2.203	3.012	12.5	19.7

121671 1999 XG_{47} 11 11.3 338.°41 1.°1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.03	+21 48.4	1.743	2.586	14.5	19.4
10 18	3 24.90	+21 36.7	1.662	2.575	11.0	19.1
10 28	3 18.42	+21 13.3	1.603	2.566	7.0	18.9
11 7	3 10.35	+20 39.6	1.570	2.556	2.6	18.6
11 17	3 1.73	+19 58.8	1.563	2.548	2.6	18.6
11 27	2 53.79	+19 16.1	1.585	2.540	7.0	18.8
12 7	2 47.57	+18 37.1	1.632	2.533	11.2	19.1
12 17	2 43.78	+18 6.9	1.702	2.527	14.9	19.3

373023 2011 DF_{40} 11 11.3 292.°78 2.°9/13.3 17

10 8	3 31.24	+26 54.1	2.298	3.106	12.6	21.3
10 18	3 26.12	+27 5.4	2.208	3.097	9.9	21.1
10 28	3 18.99	+27 5.0	2.141	3.088	6.7	20.9
11 7	3 10.50	+26 52.4	2.102	3.079	3.7	20.7
11 17	3 1.52	+26 28.9	2.091	3.069	3.2	20.7
11 27	2 53.07	+25 57.3	2.109	3.060	5.9	20.8
12 7	2 46.03	+25 22.4	2.155	3.051	9.2	21.0
12 17	2 41.05	+24 48.9	2.226	3.042	12.1	21.2

477252 2009 SM_{30} 11 11.3 72.°64 4.°7/ 8.7 16

10 8	3 35.64	+10 16.7	1.372	2.232	16.7	21.6
10 18	3 29.55	+ 8 57.7	1.336	2.260	12.4	21.4
10 28	3 20.96	+ 7 37.4	1.323	2.287	7.8	21.3
11 7	3 11.02	+ 6 23.4	1.335	2.315	4.8	21.2
11 17	3 1.05	+ 5 23.4	1.373	2.342	6.4	21.3
11 27	2 52.37	+ 4 42.9	1.439	2.369	10.3	21.6
12 7	2 45.92	+ 4 24.4	1.528	2.395	14.0	21.9
12 17	2 42.21	+ 4 27.1	1.637	2.421	17.2	22.2

130296 2000 EF_{62} 11 11.3 249.°42 0.°6/10.9 18

10 8	3 29.33	+17 3.0	2.549	3.381	10.8	21.0
10 18	3 24.37	+16 39.9	2.460	3.371	8.0	20.8
10 28	3 17.76	+16 11.0	2.396	3.360	4.9	20.5
11 7	3 10.10	+15 38.2	2.361	3.350	1.5	20.3
11 17	3 2.08	+15 4.3	2.356	3.339	2.3	20.3
11 27	2 54.50	+14 32.7	2.382	3.328	5.7	20.6
12 7	2 48.10	+14 6.6	2.435	3.317	8.9	20.7
12 17	2 43.38	+13 48.7	2.513	3.305	11.6	20.9

178021 2006 RX_{19} 11 11.3 358.°22 6.°9/ 6.7 18

10 8	3 27.19	+ 5 37.2	1.461	2.331	15.3	19.6
10 18	3 23.54	+ 3 57.9	1.403	2.329	11.7	19.4
10 28	3 17.54	+ 2 19.0	1.368	2.327	8.4	19.2
11 7	3 10.06	+ 0 49.9	1.358	2.326	6.9	19.1
11 17	3 2.18	− 0 20.5	1.373	2.325	8.5	19.2
11 27	2 55.14	− 1 5.6	1.414	2.326	11.9	19.4
12 7	2 49.93	− 1 23.0	1.476	2.327	15.4	19.6
12 17	2 47.17	− 1 13.7	1.558	2.330	18.4	19.8

55382 Kootinlok 11 11.3 90.°14 1.°0/11.9 18

10 8	3 32.59	+21 26.3	1.969	2.800	13.6	19.2
10 18	3 27.16	+21 19.3	1.898	2.805	10.3	19.0
10 28	3 19.59	+21 2.6	1.851	2.811	6.4	18.8
11 7	3 10.67	+20 37.2	1.830	2.816	2.4	18.5
11 17	3 1.39	+20 5.7	1.837	2.822	2.4	18.5
11 27	2 52.84	+19 32.5	1.874	2.827	6.4	18.8
12 7	2 45.94	+19 2.1	1.938	2.832	10.1	19.0
12 17	2 41.29	+18 38.7	2.026	2.838	13.3	19.3

317384 2002 OA_{35} 11 11.3 156.°63 0.°8/10.6 18

10 8	3 29.68	+15 57.5	2.800	3.630	10.0	21.8
10 18	3 24.37	+15 33.6	2.726	3.636	7.4	21.6
10 28	3 17.64	+15 5.2	2.678	3.641	4.5	21.4
11 7	3 10.04	+14 34.4	2.658	3.646	1.4	21.2
11 17	3 2.22	+14 3.7	2.670	3.651	2.2	21.3
11 27	2 54.88	+13 36.0	2.712	3.656	5.3	21.5
12 7	2 48.63	+13 14.0	2.783	3.660	8.1	21.7
12 17	2 43.94	+12 59.7	2.879	3.663	10.5	21.9

98803 2000 YE_{115} 11 11.3 239.°95 2.°0/10.0 18

10 8	3 33.27	+13 9.2	2.129	2.968	12.4	20.2
10 18	3 27.60	+12 41.3	2.040	2.954	9.3	20.0
10 28	3 19.88	+12 9.2	1.975	2.939	5.7	19.8
11 7	3 10.79	+11 35.8	1.938	2.924	2.4	19.5
11 17	3 1.20	+11 4.7	1.930	2.908	3.5	19.6
11 27	2 52.12	+10 39.9	1.952	2.892	7.3	19.8
12 7	2 44.47	+10 24.8	2.002	2.875	10.9	20.0
12 17	2 38.90	+10 21.4	2.074	2.858	14.1	20.2

9110 Choukai 11 11.3 100.°75 2.°3/10.1 18

10 8	3 34.39	+14 15.1	1.455	2.311	16.2	17.5
10 18	3 28.99	+13 37.1	1.392	2.314	12.0	17.3
10 28	3 20.91	+12 52.5	1.351	2.318	7.3	17.0
11 7	3 11.11	+12 6.0	1.335	2.322	2.9	16.8
11 17	3 0.87	+11 23.1	1.346	2.325	4.4	16.9
11 27	2 51.60	+10 49.8	1.384	2.329	9.1	17.1
12 7	2 44.46	+10 30.7	1.446	2.332	13.5	17.4
12 17	2 40.13	+10 27.8	1.530	2.336	17.2	17.7

183483 2003 DS_{12} 11 11.3 279.°68 0.°8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.93	+17 11.2	2.014	2.854	12.9	20.7
10 18	3 26.01	+16 45.5	1.924	2.839	9.7	20.4
10 28	3 18.99	+16 12.2	1.858	2.823	5.9	20.2
11 7	3 10.53	+15 33.6	1.819	2.808	1.8	19.9
11 17	3 1.56	+14 53.4	1.809	2.792	2.8	19.9
11 27	2 53.12	+14 16.2	1.828	2.776	7.0	20.1
12 7	2 46.17	+13 46.4	1.874	2.761	10.8	20.3
12 17	2 41.37	+13 27.4	1.943	2.745	14.2	20.5

363026 1998 SK_{19} 11 11.3 94.°89 0.°1/11.4 18

10 8	3 31.39	+19 13.7	2.281	3.111	12.0	21.5
10 18	3 25.89	+18 56.8	2.217	3.125	8.9	21.3
10 28	3 18.65	+18 32.6	2.177	3.139	5.4	21.1
11 7	3 10.36	+18 3.0	2.165	3.153	1.7	20.9
11 17	3 1.85	+17 30.7	2.183	3.167	2.1	20.9
11 27	2 54.01	+16 59.3	2.231	3.181	5.7	21.2
12 7	2 47.57	+16 32.6	2.307	3.194	9.0	21.4
12 17	2 43.05	+16 13.4	2.407	3.208	11.8	21.7

22707 Jackgrundy 11 11.3 155.°96 0.°6/10.8 18

10 8	3 30.28	+16 56.0	2.605	3.434	10.7	19.3
10 18	3 24.93	+16 32.5	2.530	3.440	7.9	19.2
10 28	3 18.03	+16 3.6	2.481	3.445	4.8	19.0
11 7	3 10.18	+15 31.3	2.461	3.449	1.5	18.7
11 17	3 2.08	+14 58.4	2.471	3.454	2.2	18.8
11 27	2 54.50	+14 28.0	2.512	3.457	5.5	19.0
12 7	2 48.12	+14 3.3	2.581	3.461	8.5	19.2
12 17	2 43.41	+13 46.6	2.675	3.464	11.1	19.4

488376 2016 WT_{39} 11 11.3 34.°49 1.°2/11.9 18

10 8	3 34.27	+20 48.1	1.499	2.344	16.4	20.6
10 18	3 28.98	+20 56.2	1.436	2.350	12.4	20.4
10 28	3 20.95	+20 53.5	1.394	2.357	7.8	20.1
11 7	3 11.14	+20 40.7	1.376	2.363	2.9	19.9
11 17	3 0.84	+20 20.5	1.386	2.371	2.9	19.9
11 27	2 51.51	+19 57.4	1.423	2.378	7.7	20.2
12 7	2 44.32	+19 37.1	1.485	2.386	12.1	20.5
12 17	2 40.00	+19 24.2	1.569	2.395	15.9	20.7

379929 2012 KK_{49} 11 11.3 108.°10 1.°6/10.4 17

10 8	3 34.55	+17 4.2	1.537	2.386	15.8	20.7
10 18	3 28.90	+16 10.9	1.478	2.397	11.7	20.5
10 28	3 20.73	+15 7.9	1.441	2.408	7.0	20.2
11 7	3 11.04	+14 0.0	1.430	2.418	2.4	20.0
11 17	3 1.05	+12 53.5	1.447	2.428	3.7	20.1
11 27	2 52.09	+11 55.5	1.492	2.438	8.4	20.4
12 7	2 45.19	+11 11.7	1.562	2.448	12.7	20.7
12 17	2 40.97	+10 45.1	1.654	2.457	16.2	20.9

465321 2007 UO_{140} 11 11.3 97.°80 0.°7/11.7 17

10 8	3 40.51	+20 57.1	1.439	2.276	17.4	21.7
10 18	3 33.37	+20 40.4	1.390	2.301	13.0	21.5
10 28	3 23.42	+20 11.1	1.363	2.325	8.0	21.3
11 7	3 11.84	+19 31.4	1.362	2.349	2.7	21.0
11 17	3 0.09	+18 45.8	1.388	2.372	2.9	21.1
11 27	2 49.68	+18 0.8	1.442	2.395	7.9	21.5
12 7	2 41.72	+17 22.8	1.522	2.417	12.4	21.8
12 17	2 36.81	+16 56.4	1.625	2.438	16.0	22.1

227169 2005 QB_{37} 11 11.4 55.°42 3.°0/13.0 18

10 8	3 36.71	+26 5.6	1.275	2.114	19.0	19.5
10 18	3 30.95	+26 1.3	1.229	2.137	14.6	19.3
10 28	3 22.12	+25 38.0	1.204	2.161	9.5	19.1
11 7	3 11.47	+24 56.7	1.202	2.184	4.6	18.9
11 17	3 0.60	+24 1.7	1.226	2.208	3.8	18.9
11 27	2 51.17	+23 1.2	1.276	2.233	8.2	19.2
12 7	2 44.38	+22 4.1	1.350	2.257	12.7	19.6
12 17	2 40.81	+21 17.3	1.446	2.281	16.5	19.9

266726 2009 RM_{31} 11 11.4 81.°45 1.°0/12.1 18

10 8	3 31.52	+22 5.8	2.180	3.005	12.6	20.8
10 18	3 26.11	+21 51.4	2.115	3.020	9.5	20.7
10 28	3 18.84	+21 27.4	2.075	3.034	5.9	20.5
11 7	3 10.45	+20 55.2	2.062	3.048	2.2	20.2
11 17	3 1.83	+20 17.6	2.079	3.063	2.2	20.3
11 27	2 53.91	+19 38.6	2.125	3.077	5.8	20.5
12 7	2 47.50	+19 2.9	2.198	3.091	9.2	20.8
12 17	2 43.11	+18 33.8	2.296	3.105	12.1	21.0

303613 2005 JN_{33} 11 11.4 127.°71 0.°2/11.3 18

10 8	3 36.90	+15 58.8	1.965	2.797	13.5	20.5
10 18	3 30.37	+16 19.9	1.892	2.802	10.1	20.3
10 28	3 21.60	+16 36.9	1.843	2.806	6.2	20.0
11 7	3 11.34	+16 50.5	1.823	2.811	1.9	19.8
11 17	3 0.64	+17 1.6	1.831	2.815	2.5	19.8
11 27	2 50.64	+17 12.4	1.870	2.819	6.7	20.1
12 7	2 42.33	+17 25.5	1.936	2.823	10.5	20.4
12 17	2 36.37	+17 43.4	2.026	2.827	13.7	20.6

173127 1994 CQ_{10} 11 11.4 270°.01 5°.7/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.88	+ 2 37.8	2.152	2.995	12.1	21.0
10 18	3 25.80	+ 1 39.9	2.065	2.973	9.5	20.8
10 28	3 18.80	+ 0 44.6	2.003	2.952	7.0	20.6
11 7	3 10.50	− 0 2.7	1.968	2.929	5.7	20.5
11 17	3 1.71	− 0 36.8	1.961	2.907	6.9	20.5
11 27	2 53.37	− 0 53.7	1.982	2.884	9.6	20.6
12 7	2 46.35	− 0 51.6	2.028	2.860	12.6	20.8
12 17	2 41.27	− 0 30.7	2.096	2.837	15.3	20.9

231238 2005 YB_{7} 11 11.4 323°.19 7°.6/15.2 18

10 8	3 33.58	+34 3.0	1.387	2.200	19.2	19.5
10 18	3 29.44	+34 46.8	1.304	2.185	15.9	19.2
10 28	3 21.80	+35 8.0	1.240	2.171	12.1	19.0
11 7	3 11.57	+35 1.8	1.197	2.157	8.8	18.8
11 17	3 0.27	+34 26.2	1.178	2.144	7.7	18.7
11 27	2 49.84	+33 25.8	1.184	2.131	10.0	18.8
12 7	2 41.97	+32 10.8	1.213	2.120	13.8	18.9
12 17	2 37.71	+30 52.9	1.263	2.109	17.8	19.2

182709 2001 WX_{15} 11 11.4 311°.95 17°.7/ 8.7 17

10 8	3 46.71	−18 9.2	1.063	1.878	23.6	19.3
10 18	3 39.20	−18 43.6	1.007	1.868	21.0	19.1
10 28	3 27.62	−18 41.1	0.967	1.859	18.8	18.9
11 7	3 13.29	−17 48.0	0.946	1.850	17.7	18.8
11 17	2 58.19	−15 58.2	0.946	1.841	18.3	18.8
11 27	2 44.54	−13 15.1	0.966	1.832	20.5	19.0
12 7	2 34.11	− 9 52.1	1.007	1.825	23.4	19.1
12 17	2 27.78	− 6 5.4	1.066	1.817	26.4	19.3

522302 2016 BV_{99} 11 11.4 51°.96 4°.0/ 8.2 18

10 8	3 28.05	+ 4 50.3	2.548	3.391	10.5	20.9
10 18	3 23.28	+ 4 14.0	2.482	3.393	8.0	20.8
10 28	3 17.04	+ 3 40.2	2.441	3.395	5.5	20.6
11 7	3 9.91	+ 3 12.3	2.428	3.398	4.1	20.6
11 17	3 2.54	+ 2 53.5	2.444	3.400	5.0	20.6
11 27	2 55.67	+ 2 46.3	2.489	3.403	7.3	20.8
12 7	2 49.91	+ 2 52.0	2.560	3.405	9.8	20.9
12 17	2 45.74	+ 3 10.3	2.655	3.408	12.1	21.1

183708 2003 YF_{52} 11 11.4 9°.12 2°.4/10.5 18 R

10 8	3 35.35	+12 19.5	1.193	2.060	18.2	19.5
10 18	3 30.28	+12 21.3	1.132	2.060	13.6	19.2
10 28	3 21.99	+12 21.0	1.093	2.062	8.4	18.9
11 7	3 11.54	+12 21.4	1.076	2.064	3.2	18.7
11 17	3 0.44	+12 26.0	1.085	2.066	4.6	18.8
11 27	2 50.45	+12 38.6	1.119	2.070	9.9	19.1
12 7	2 42.97	+13 1.8	1.175	2.073	14.9	19.4
12 17	2 38.82	+13 36.9	1.252	2.078	19.1	19.6

360212 1999 FD_{88} 11 11.4 245°.78 3°.3/13.4 18

10 8	3 34.14	+27 10.6	2.063	2.872	13.8	21.5
10 18	3 28.51	+27 28.7	1.978	2.867	10.8	21.2
10 28	3 20.56	+27 34.1	1.917	2.862	7.5	21.0
11 7	3 11.06	+27 25.8	1.881	2.857	4.2	20.8
11 17	3 1.01	+27 4.5	1.874	2.852	3.6	20.8
11 27	2 51.59	+26 33.7	1.896	2.846	6.5	21.0
12 7	2 43.82	+25 58.6	1.945	2.841	10.0	21.2
12 17	2 38.42	+25 24.7	2.018	2.835	13.2	21.4

167652 2004 DK_{50} 11 11.4 13°.14 12°.4/ 4.4 18

10 8	3 25.36	− 4 8.4	1.097	1.977	18.5	18.0
10 18	3 22.61	− 6 10.7	1.066	1.984	15.3	17.9
10 28	3 17.11	− 7 55.7	1.055	1.992	13.0	17.8
11 7	3 9.98	− 9 10.6	1.064	2.003	12.5	17.8
11 17	3 2.56	− 9 46.8	1.095	2.015	14.0	17.9
11 27	2 56.28	− 9 41.4	1.146	2.029	16.6	18.1
12 7	2 52.19	− 8 58.2	1.215	2.045	19.4	18.4
12 17	2 50.85	− 7 44.1	1.300	2.062	21.9	18.6

229352 2005 QB_{57} 11 11.4 8°.16 4°.6/13.5 18

10 8	3 28.41	+26 40.1	0.962	1.830	21.4	19.7
10 18	3 25.89	+27 5.0	0.909	1.832	16.8	19.4
10 28	3 19.63	+27 7.4	0.874	1.835	11.5	19.1
11 7	3 10.86	+26 46.3	0.858	1.840	6.2	18.9
11 17	3 1.37	+26 4.5	0.865	1.847	5.2	18.8
11 27	2 53.24	+25 10.5	0.894	1.856	9.7	19.1
12 7	2 48.06	+24 15.5	0.944	1.867	14.9	19.5
12 17	2 46.64	+23 29.0	1.012	1.880	19.4	19.8

270816 2002 RR_{277} 11 11.4 158°.81 4°.1/15.6 18

10 8	3 32.54	+35 22.2	3.128	3.881	10.8	21.3
10 18	3 26.60	+35 28.9	3.044	3.888	8.8	21.2
10 28	3 19.07	+35 22.0	2.984	3.895	6.7	21.0
11 7	3 10.54	+35 0.8	2.952	3.900	4.8	20.9
11 17	3 1.76	+34 26.1	2.948	3.906	4.2	20.9
11 27	2 53.50	+33 40.4	2.975	3.911	5.3	21.0
12 7	2 46.46	+32 47.9	3.032	3.915	7.2	21.1
12 17	2 41.14	+31 53.2	3.115	3.919	9.3	21.3

248211 2005 EF_{102} 11 11.4 169°.09 3°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.39	+30 4.0	2.591	3.372	12.1	22.2
10 18	3 29.71	+30 22.5	2.508	3.377	9.6	22.1
10 28	3 21.08	+30 28.5	2.449	3.381	6.8	21.9
11 7	3 11.19	+30 20.9	2.418	3.385	4.3	21.7
11 17	3 0.91	+30 0.1	2.417	3.388	3.7	21.7
11 27	2 51.23	+29 29.1	2.446	3.390	5.7	21.9
12 7	2 42.98	+28 52.1	2.505	3.392	8.4	22.0
12 17	2 36.77	+28 14.3	2.589	3.393	11.0	22.2

182319 2001 OA_{98} 11 11.4 100°.31 4°.2/14.0 18

10 8	3 40.74	+29 52.8	1.779	2.577	16.1	20.8
10 18	3 33.37	+30 7.1	1.724	2.604	12.7	20.6
10 28	3 23.40	+30 3.7	1.690	2.629	8.8	20.4
11 7	3 11.88	+29 41.7	1.683	2.654	5.3	20.3
11 17	3 0.13	+29 2.7	1.704	2.678	4.5	20.3
11 27	2 49.55	+28 12.3	1.753	2.702	7.2	20.5
12 7	2 41.20	+27 17.8	1.830	2.725	10.6	20.8
12 17	2 35.68	+26 26.5	1.931	2.747	13.7	21.0

110262 2001 SH_{246} 11 11.4 151°.56 0°.9/10.6 18

10 8	3 31.58	+16 36.5	2.335	3.167	11.7	19.8
10 18	3 26.03	+16 2.6	2.263	3.174	8.6	19.6
10 28	3 18.78	+15 22.7	2.217	3.181	5.2	19.4
11 7	3 10.46	+14 39.4	2.199	3.187	1.7	19.1
11 17	3 1.89	+13 56.1	2.211	3.192	2.6	19.2
11 27	2 53.94	+13 16.8	2.253	3.197	6.1	19.5
12 7	2 47.34	+12 45.1	2.323	3.202	9.4	19.7
12 17	2 42.60	+12 23.6	2.418	3.207	12.1	19.9

364993 2008 KA 11 11.4 59°.19 6°.9/ 5.0 18

10 8	3 28.88	+ 1 30.1	2.059	2.907	12.4	20.3
10 18	3 23.98	− 0 34.0	2.022	2.929	9.7	20.2
10 28	3 17.46	− 2 32.4	2.011	2.952	7.5	20.1
11 7	3 10.03	− 4 17.2	2.029	2.974	6.9	20.1
11 17	3 2.50	− 5 41.7	2.074	2.997	8.2	20.2
11 27	2 55.72	− 6 41.7	2.147	3.020	10.4	20.4
12 7	2 50.35	− 7 16.4	2.244	3.042	12.7	20.6
12 17	2 46.83	− 7 27.1	2.361	3.065	14.7	20.8

18883 Domegge 11 11.4 41°.32 4°.4/14.6 18

10 8	3 32.34	+31 26.4	2.039	2.837	14.4	18.4
10 18	3 27.13	+31 39.1	1.967	2.843	11.5	18.2
10 28	3 19.68	+31 35.5	1.916	2.850	8.3	18.1
11 7	3 10.79	+31 14.5	1.891	2.858	5.4	17.9
11 17	3 1.50	+30 37.4	1.894	2.865	4.6	17.9
11 27	2 52.98	+29 48.4	1.924	2.872	6.7	18.0
12 7	2 46.19	+28 53.8	1.982	2.880	9.7	18.2
12 17	2 41.77	+28 0.0	2.064	2.888	12.7	18.4

438315 2006 HY_{143} 11 11.4 54°.77 0°.1/11.4 18

10 8	3 33.89	+19 14.2	1.486	2.335	16.3	21.0
10 18	3 28.49	+18 53.7	1.434	2.352	12.1	20.8
10 28	3 20.53	+18 22.9	1.404	2.370	7.4	20.5
11 7	3 11.03	+17 44.6	1.399	2.387	2.3	20.3
11 17	3 1.27	+17 3.3	1.421	2.405	2.9	20.4
11 27	2 52.59	+16 24.8	1.470	2.424	7.7	20.7
12 7	2 46.04	+15 54.6	1.545	2.442	12.0	21.0
12 17	2 42.22	+15 36.3	1.642	2.461	15.6	21.3

443758 2015 MB_{11} 11 11.4 43°.86 3°.0/12.9 18

10 8	3 35.19	+24 59.1	1.566	2.397	16.5	20.6
10 18	3 29.70	+25 19.3	1.501	2.404	12.7	20.3
10 28	3 21.44	+25 25.5	1.457	2.412	8.4	20.1
11 7	3 11.36	+25 17.0	1.438	2.419	4.2	19.9
11 17	3 0.78	+24 55.4	1.446	2.427	3.6	19.9
11 27	2 51.16	+24 25.4	1.481	2.436	7.5	20.1
12 7	2 43.70	+23 53.4	1.542	2.444	11.7	20.4
12 17	2 39.12	+23 25.5	1.625	2.453	15.3	20.6

239862 2000 AX_{219} 11 11.4 81°.61 1°.3/10.6 18

10 8	3 33.54	+15 25.7	1.773	2.618	14.2	20.6
10 18	3 27.92	+15 4.7	1.713	2.630	10.5	20.4
10 28	3 20.09	+14 38.1	1.676	2.642	6.4	20.2
11 7	3 10.90	+14 8.7	1.665	2.653	2.1	20.0
11 17	3 1.41	+13 40.3	1.683	2.665	3.2	20.1
11 27	2 52.78	+13 17.0	1.730	2.677	7.4	20.4
12 7	2 45.93	+13 2.7	1.802	2.688	11.2	20.6
12 17	2 41.44	+12 59.5	1.898	2.700	14.5	20.9

411031 2009 UN_{119} 11 11.4 237°.53 1°.8/ 9.9 18

10 8	3 28.93	+14 48.9	2.237	3.079	11.8	21.5
10 18	3 24.20	+14 0.4	2.162	3.078	8.7	21.3
10 28	3 17.73	+13 6.2	2.112	3.077	5.3	21.1
11 7	3 10.18	+12 9.9	2.090	3.076	2.1	20.9
11 17	3 2.33	+11 15.8	2.097	3.075	3.3	21.0
11 27	2 55.05	+10 28.5	2.134	3.074	6.7	21.2
12 7	2 49.10	+ 9 51.7	2.198	3.073	10.0	21.4
12 17	2 44.99	+ 9 27.9	2.285	3.072	12.8	21.6

266626 2008 QP_{21} 11 11.4 83°.06 0°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.18	+21 17.5	2.316	3.142	11.9	20.6
10 18	3 25.01	+20 47.5	2.251	3.157	8.9	20.5
10 28	3 18.15	+20 8.5	2.212	3.172	5.5	20.3
11 7	3 10.28	+19 22.5	2.200	3.187	1.8	20.1
11 17	3 2.22	+18 33.0	2.217	3.202	2.0	20.1
11 27	2 54.83	+17 44.1	2.265	3.216	5.6	20.4
12 7	2 48.82	+17 0.3	2.341	3.231	8.8	20.6
12 17	2 44.67	+16 24.8	2.442	3.245	11.6	20.8

38180 1999 JR_{123} 11 11.4 120°.81 3°.8/ 9.4 18 R

10 8	3 37.17	+ 9 59.7	1.572	2.421	15.5	19.3
10 18	3 30.72	+ 9 16.6	1.518	2.436	11.6	19.0
10 28	3 21.82	+ 8 32.0	1.486	2.450	7.3	18.8
11 7	3 11.44	+ 7 51.2	1.481	2.463	4.0	18.7
11 17	3 0.79	+ 7 19.2	1.504	2.476	5.4	18.8
11 27	2 51.18	+ 7 0.6	1.554	2.488	9.3	19.1
12 7	2 43.61	+ 6 57.9	1.630	2.500	13.2	19.3
12 17	2 38.70	+ 7 11.5	1.727	2.511	16.4	19.6

269916 2000 JM_{42} 11 11.4 75°.85 0°.5/11.1 18

10 8	3 36.82	+16 47.7	1.497	2.344	16.3	20.1
10 18	3 30.70	+16 44.7	1.442	2.359	12.1	19.9
10 28	3 21.92	+16 34.5	1.408	2.374	7.3	19.7
11 7	3 11.49	+16 19.3	1.401	2.389	2.2	19.4
11 17	3 0.72	+16 2.1	1.420	2.404	3.1	19.5
11 27	2 51.03	+15 47.5	1.468	2.419	8.0	19.8
12 7	2 43.53	+15 39.7	1.540	2.434	12.3	20.1
12 17	2 38.86	+15 41.6	1.635	2.449	15.9	20.4

257495 1995 UE_{67} 11 11.4 37°.46 1°.3/13.0 18

10 8	3 23.69	+25 3.1	4.382	5.183	7.2	20.8
10 18	3 19.67	+24 59.4	4.296	5.184	5.5	20.7
10 28	3 14.73	+24 49.7	4.236	5.184	3.6	20.6
11 7	3 9.23	+24 34.7	4.205	5.185	1.8	20.4
11 17	3 3.56	+24 15.3	4.205	5.186	1.5	20.4
11 27	2 58.15	+23 53.1	4.236	5.187	3.2	20.5
12 7	2 53.41	+23 30.0	4.297	5.187	5.1	20.7
12 17	2 49.65	+23 8.1	4.384	5.188	6.8	20.8

398531 2011 UB_{302} 11 11.4 40°.31 3°.2/10.1 18

10 8	3 35.74	+ 8 42.0	1.623	2.473	15.0	20.5
10 18	3 29.72	+ 8 48.1	1.564	2.482	11.3	20.2
10 28	3 21.27	+ 8 56.2	1.529	2.492	7.1	20.0
11 7	3 11.29	+ 9 8.7	1.519	2.503	3.5	19.8
11 17	3 0.96	+ 9 27.9	1.538	2.514	4.6	19.9
11 27	2 51.53	+ 9 55.6	1.584	2.525	8.5	20.2
12 7	2 44.03	+10 32.6	1.656	2.536	12.4	20.5
12 17	2 39.11	+11 18.8	1.750	2.548	15.7	20.7

182551 2001 TP_{89} 11 11.4 352°.32 2°.5/12.7 18

10 8	3 29.33	+24 11.2	1.428	2.276	16.9	20.3
10 18	3 25.64	+24 14.1	1.355	2.269	13.0	20.0
10 28	3 19.14	+24 2.0	1.303	2.263	8.5	19.7
11 7	3 10.72	+23 35.0	1.274	2.258	3.9	19.5
11 17	3 1.65	+22 56.2	1.271	2.255	3.4	19.4
11 27	2 53.44	+22 11.3	1.294	2.252	7.9	19.7
12 7	2 47.34	+21 27.8	1.341	2.251	12.5	19.9
12 17	2 44.14	+20 52.0	1.410	2.251	16.5	20.2

209792 2005 GL_{24} 11 11.4 260°.25 0°.5/11.0 18

10 8	3 32.47	+18 0.4	1.968	2.806	13.3	21.5
10 18	3 27.26	+17 33.5	1.878	2.791	10.0	21.2
10 28	3 19.83	+16 57.9	1.811	2.775	6.1	21.0
11 7	3 10.90	+16 16.0	1.771	2.759	1.9	20.7
11 17	3 1.41	+15 31.3	1.760	2.743	2.7	20.7
11 27	2 52.48	+14 48.9	1.779	2.727	7.1	21.0
12 7	2 45.11	+14 13.7	1.824	2.711	11.1	21.2
12 17	2 39.99	+13 49.5	1.892	2.694	14.5	21.4

250735 2005 SF_{82} 11 11.4 143°.25 0°.1/11.3 18

10 8	3 31.31	+18 57.6	2.090	2.924	12.8	20.4
10 18	3 26.13	+18 35.2	2.015	2.926	9.5	20.2
10 28	3 18.99	+18 4.6	1.964	2.928	5.8	20.0
11 7	3 10.60	+17 28.1	1.941	2.929	1.8	19.7
11 17	3 1.87	+16 48.7	1.947	2.931	2.4	19.7
11 27	2 53.79	+16 10.9	1.982	2.932	6.3	20.0
12 7	2 47.20	+15 39.0	2.044	2.933	9.9	20.2
12 17	2 42.68	+15 16.2	2.131	2.935	13.0	20.4

187511 2006 TE_{63} 11 11.4 0°.10 2°.9/ 9.6 18

10 8	3 30.25	+12 24.9	1.660	2.517	14.4	20.1
10 18	3 25.71	+11 42.5	1.593	2.516	10.7	19.9
10 28	3 18.89	+10 55.9	1.549	2.516	6.6	19.7
11 7	3 10.61	+10 9.5	1.530	2.515	3.2	19.4
11 17	3 1.91	+ 9 28.8	1.539	2.516	4.6	19.5
11 27	2 53.99	+ 8 58.8	1.575	2.516	8.6	19.8
12 7	2 47.81	+ 8 43.2	1.637	2.517	12.5	20.0
12 17	2 44.02	+ 8 43.5	1.719	2.519	15.8	20.2

196786 2003 SP_{187} 11 11.4 72°.66 1°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.49	+14 0.7	2.159	2.997	12.3	19.7
10 18	3 26.82	+13 55.9	2.096	3.010	9.1	19.5
10 28	3 19.32	+13 47.9	2.059	3.023	5.5	19.3
11 7	3 10.70	+13 38.8	2.049	3.037	1.9	19.1
11 17	3 1.83	+13 30.7	2.069	3.050	2.8	19.2
11 27	2 53.63	+13 26.4	2.118	3.063	6.4	19.4
12 7	2 46.89	+13 28.3	2.195	3.076	9.7	19.7
12 17	2 42.14	+13 38.0	2.295	3.090	12.5	19.9

226281 2003 BG_6 11 11.4 350°.11 5°.5/ 8.9 18

10 8	3 28.66	+ 8 46.4	1.079	1.964	18.4	19.4
10 18	3 25.54	+ 7 58.3	1.019	1.955	13.9	19.1
10 28	3 19.25	+ 7 9.1	0.978	1.947	9.1	18.8
11 7	3 10.81	+ 6 26.6	0.959	1.941	5.7	18.6
11 17	3 1.67	+ 5 58.7	0.963	1.936	7.4	18.7
11 27	2 53.54	+ 5 51.7	0.990	1.933	12.1	18.9
12 7	2 47.84	+ 6 8.3	1.038	1.931	16.9	19.2
12 17	2 45.37	+ 6 47.5	1.104	1.931	21.1	19.5

196679 2003 SP_{61} 11 11.4 71°.48 5°.0/ 7.5 18

10 8	3 28.80	+ 4 9.3	2.206	3.053	11.7	20.0
10 18	3 24.04	+ 3 10.6	2.145	3.057	9.0	19.8
10 28	3 17.62	+ 2 14.5	2.108	3.061	6.4	19.6
11 7	3 10.19	+ 1 26.1	2.099	3.065	5.0	19.6
11 17	3 2.50	+ 0 49.8	2.118	3.069	6.1	19.6
11 27	2 55.41	+ 0 29.1	2.165	3.073	8.6	19.8
12 7	2 49.62	+ 0 25.3	2.238	3.077	11.3	20.0
12 17	2 45.62	+ 0 38.2	2.332	3.081	13.7	20.2

517985 2015 UN_{21} 11 11.4 43°.55 1°.7/10.4 18

10 8	3 31.39	+14 34.8	1.812	2.660	13.8	20.8
10 18	3 26.36	+14 8.0	1.747	2.666	10.2	20.6
10 28	3 19.19	+13 36.1	1.706	2.673	6.2	20.4
11 7	3 10.70	+13 2.5	1.692	2.679	2.3	20.1
11 17	3 1.87	+12 30.9	1.705	2.686	3.4	20.2
11 27	2 53.80	+12 5.8	1.747	2.693	7.5	20.5
12 7	2 47.40	+11 50.8	1.815	2.700	11.2	20.7
12 17	2 43.26	+11 47.8	1.905	2.707	14.4	21.0

119492 2001 UF_{78} 11 11.4 104°.23 0°.7/11.7 18

10 8	3 39.41	+19 32.4	1.754	2.583	15.1	20.4
10 18	3 32.31	+19 39.6	1.697	2.604	11.3	20.2
10 28	3 22.78	+19 38.1	1.664	2.625	7.0	20.0
11 7	3 11.79	+19 28.7	1.658	2.645	2.3	19.8
11 17	3 0.53	+19 13.6	1.681	2.665	2.6	19.8
11 27	2 50.28	+18 56.7	1.733	2.684	7.0	20.2
12 7	2 42.07	+18 42.6	1.812	2.703	10.9	20.4
12 17	2 36.49	+18 34.9	1.915	2.721	14.2	20.7

485135 2010 NU_{69} 11 11.4 40°.93 1°.7/10.7 18

10 8	3 37.56	+11 8.6	1.714	2.557	14.7	20.3
10 18	3 31.03	+11 37.7	1.653	2.569	11.0	20.1
10 28	3 22.08	+12 7.3	1.616	2.580	6.7	19.9
11 7	3 11.60	+12 38.1	1.605	2.592	2.5	19.7
11 17	3 0.73	+13 11.0	1.624	2.605	3.4	19.8
11 27	2 50.72	+13 47.2	1.671	2.617	7.6	20.1
12 7	2 42.62	+14 27.6	1.745	2.631	11.6	20.3
12 17	2 37.09	+15 13.1	1.842	2.644	14.9	20.6

323354 2003 UV_{360} 11 11.4 98°.30 0°.3/11.6 18

10 8	3 31.21	+19 50.8	2.382	3.209	11.7	21.1
10 18	3 25.77	+19 35.5	2.316	3.222	8.7	21.0
10 28	3 18.65	+19 12.8	2.275	3.236	5.3	20.8
11 7	3 10.50	+18 44.3	2.262	3.250	1.7	20.5
11 17	3 2.14	+18 12.6	2.279	3.263	2.0	20.6
11 27	2 54.40	+17 41.3	2.326	3.276	5.5	20.9
12 7	2 48.01	+17 13.8	2.401	3.289	8.7	21.1
12 17	2 43.46	+16 53.2	2.501	3.302	11.4	21.3

460480 2014 SS_{288} 11 11.4 67°.97 0°.7/11.9 18

10 8	3 29.81	+22 23.3	2.191	3.019	12.5	20.9
10 18	3 24.91	+21 48.8	2.121	3.027	9.4	20.8
10 28	3 18.19	+21 3.6	2.076	3.036	5.8	20.6
11 7	3 10.37	+20 9.9	2.058	3.045	2.1	20.3
11 17	3 2.31	+19 11.4	2.069	3.054	2.1	20.3
11 27	2 54.93	+18 13.2	2.110	3.062	5.8	20.6
12 7	2 48.98	+17 20.1	2.179	3.071	9.2	20.8
12 17	2 45.00	+16 36.2	2.272	3.080	12.2	21.1

424377 2007 WF_4 11 11.4 43°.31 3°.4/13.3 17

10 8	3 37.01	+28 6.0	0.904	1.762	23.4	19.4
10 18	3 31.76	+27 31.9	0.876	1.793	17.8	19.2
10 28	3 22.75	+26 30.6	0.865	1.825	11.6	19.0
11 7	3 11.74	+25 6.0	0.875	1.858	5.5	18.8
11 17	3 0.83	+23 27.8	0.908	1.892	4.2	18.9
11 27	2 51.99	+21 49.6	0.966	1.927	9.4	19.3
12 7	2 46.44	+20 24.1	1.045	1.961	14.5	19.7
12 17	2 44.58	+19 18.4	1.144	1.996	18.8	20.1

286835 2002 NL_{38} 11 11.4 62°.04 3°.1/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.09	+13 52.5	1.227	2.089	18.2	20.5
10 18	3 30.92	+12 55.0	1.194	2.119	13.3	20.3
10 28	3 21.96	+11 52.2	1.181	2.149	8.1	20.1
11 7	3 11.50	+10 50.6	1.193	2.179	3.5	19.9
11 17	3 1.04	+ 9 57.4	1.232	2.210	5.1	20.1
11 27	2 52.05	+ 9 18.9	1.296	2.240	9.7	20.4
12 7	2 45.55	+ 8 58.9	1.384	2.269	14.0	20.8
12 17	2 42.05	+ 8 57.7	1.493	2.299	17.5	21.1

125415 2001 VV_{109} 11 11.4 122°.41 1°.4/12.3 18

10 8	3 34.69	+23 39.5	1.708	2.538	15.4	20.2
10 18	3 29.04	+23 15.5	1.640	2.545	11.7	20.0
10 28	3 20.92	+22 37.4	1.594	2.552	7.4	19.8
11 7	3 11.26	+21 46.8	1.574	2.559	2.9	19.5
11 17	3 1.22	+20 47.7	1.582	2.566	2.7	19.5
11 27	2 52.10	+19 46.5	1.618	2.572	7.1	19.8
12 7	2 44.95	+18 50.1	1.681	2.579	11.2	20.1
12 17	2 40.39	+18 4.0	1.768	2.585	14.8	20.3

234702 2002 GT_{158} 11 11.4 167°.49 3°.3/ 8.9 18

10 8	3 32.68	+ 9 43.7	2.218	3.058	11.9	21.8
10 18	3 26.92	+ 8 51.7	2.149	3.062	8.9	21.6
10 28	3 19.39	+ 7 58.0	2.106	3.066	5.7	21.4
11 7	3 10.75	+ 7 6.7	2.090	3.070	3.4	21.3
11 17	3 1.85	+ 6 22.4	2.105	3.073	4.6	21.4
11 27	2 53.58	+ 5 49.0	2.149	3.075	7.6	21.5
12 7	2 46.70	+ 5 29.1	2.220	3.077	10.7	21.7
12 17	2 41.75	+ 5 23.9	2.315	3.078	13.4	21.9

518358 2017 DS_{57} 11 11.4 17°.99 1°.6/12.1 18

10 8	3 34.75	+20 19.7	1.751	2.586	14.8	19.9
10 18	3 29.15	+20 54.4	1.681	2.590	11.2	19.7
10 28	3 21.07	+21 21.5	1.635	2.595	7.1	19.5
11 7	3 11.35	+21 40.4	1.614	2.600	2.9	19.2
11 17	3 1.09	+21 51.5	1.622	2.606	2.8	19.2
11 27	2 51.60	+21 57.4	1.658	2.612	6.9	19.5
12 7	2 43.97	+22 1.7	1.720	2.619	10.9	19.8
12 17	2 38.91	+22 8.3	1.806	2.626	14.3	20.0

482322 2011 UC_{249} 11 11.4 334°.72 0°.5/11.1 18

10 8	3 32.15	+17 18.4	1.775	2.620	14.2	21.5
10 18	3 27.14	+17 5.9	1.700	2.617	10.6	21.3
10 28	3 19.81	+16 46.1	1.648	2.614	6.5	21.1
11 7	3 10.95	+16 21.1	1.622	2.611	2.0	20.8
11 17	3 1.61	+15 54.3	1.625	2.608	2.8	20.8
11 27	2 52.98	+15 29.9	1.655	2.606	7.3	21.1
12 7	2 46.07	+15 12.2	1.711	2.604	11.3	21.3
12 17	2 41.56	+15 4.4	1.790	2.602	14.8	21.6

363538 2003 UX_{327} 11 11.4 94°.08 1°.8/ 9.9 18

10 8	3 29.52	+14 36.9	2.294	3.134	11.6	21.6
10 18	3 24.51	+13 44.3	2.231	3.146	8.5	21.4
10 28	3 17.88	+12 46.6	2.194	3.159	5.1	21.2
11 7	3 10.29	+11 47.8	2.185	3.171	2.1	21.0
11 17	3 2.50	+10 52.0	2.205	3.183	3.2	21.2
11 27	2 55.36	+10 3.7	2.256	3.195	6.5	21.4
12 7	2 49.53	+ 9 26.3	2.334	3.207	9.6	21.6
12 17	2 45.50	+ 9 1.8	2.436	3.218	12.2	21.8

323326 2003 UZ_{150} 11 11.4 82°.35 3°.4/13.2 18

10 8	3 39.60	+26 3.6	2.314	3.110	12.9	19.9
10 18	3 32.30	+27 1.8	2.243	3.124	10.1	19.8
10 28	3 22.80	+27 50.4	2.197	3.138	7.0	19.6
11 7	3 11.86	+28 27.0	2.180	3.153	4.1	19.5
11 17	3 0.45	+28 50.6	2.193	3.167	3.7	19.5
11 27	2 49.69	+29 2.8	2.237	3.181	6.1	19.6
12 7	2 40.55	+29 6.9	2.309	3.195	9.1	19.8
12 17	2 33.68	+29 7.3	2.407	3.209	11.8	20.1

191632 2004 NW_{27} 11 11.4 46°.47 1°.3/10.7 18

10 8	3 34.57	+16 50.8	1.229	2.091	18.1	20.4
10 18	3 29.25	+16 16.9	1.189	2.115	13.3	20.2
10 28	3 21.08	+15 34.2	1.171	2.140	8.0	20.0
11 7	3 11.28	+14 47.3	1.176	2.165	2.5	19.7
11 17	3 1.34	+14 2.3	1.207	2.190	3.8	19.9
11 27	2 52.76	+13 25.7	1.264	2.216	8.9	20.2
12 7	2 46.61	+13 2.5	1.345	2.242	13.4	20.6
12 17	2 43.46	+12 54.9	1.446	2.269	17.2	20.9

519655 2012 VE_{115} 11 11.4 108°.84 0°.9/11.9 18

10 8	3 35.84	+20 2.9	1.762	2.596	14.8	21.3
10 18	3 29.87	+20 10.2	1.693	2.602	11.2	21.1
10 28	3 21.46	+20 8.8	1.646	2.607	7.0	20.9
11 7	3 11.46	+19 59.1	1.626	2.613	2.5	20.6
11 17	3 1.00	+19 43.3	1.635	2.619	2.6	20.6
11 27	2 51.36	+19 25.3	1.672	2.625	7.0	20.9
12 7	2 43.61	+19 9.6	1.735	2.630	11.1	21.2
12 17	2 38.43	+19 0.2	1.822	2.635	14.5	21.4

356549 2011 SC_{179} 11 11.4 27°.20 2°.9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.12	+25 22.9	1.694	2.520	15.6	20.8
10 18	3 28.82	+25 37.9	1.622	2.523	12.1	20.6
10 28	3 20.92	+25 39.3	1.573	2.526	8.1	20.4
11 7	3 11.31	+25 26.5	1.549	2.530	4.1	20.1
11 17	3 1.18	+25 1.1	1.552	2.533	3.5	20.1
11 27	2 51.88	+24 27.6	1.583	2.537	7.2	20.3
12 7	2 44.56	+23 52.2	1.640	2.541	11.2	20.6
12 17	2 39.93	+23 20.8	1.719	2.546	14.7	20.8

365386 2009 VC_{51} 11 11.4 55°.43 3°.1/ 9.9 18

10 8	3 34.53	+ 7 38.2	2.041	2.882	12.8	19.9
10 18	3 28.38	+ 7 42.3	1.982	2.895	9.6	19.7
10 28	3 20.31	+ 7 48.8	1.948	2.909	6.1	19.5
11 7	3 11.06	+ 7 59.7	1.942	2.923	3.3	19.4
11 17	3 1.55	+ 8 17.0	1.964	2.937	4.2	19.5
11 27	2 52.78	+ 8 42.1	2.017	2.951	7.4	19.7
12 7	2 45.56	+ 9 15.8	2.096	2.966	10.6	19.9
12 17	2 40.44	+ 9 57.8	2.199	2.980	13.4	20.2

518831 2010 CJ_{195} 11 11.4 224°.95 0°.6/11.8 18

10 8	3 33.48	+21 15.7	2.124	2.949	12.9	22.7
10 18	3 27.87	+20 52.1	2.035	2.940	9.8	22.5
10 28	3 20.16	+20 18.1	1.971	2.931	6.1	22.3
11 7	3 11.06	+19 35.2	1.933	2.921	2.1	22.0
11 17	3 1.49	+18 46.5	1.926	2.910	2.3	22.0
11 27	2 52.51	+17 56.8	1.948	2.899	6.3	22.2
12 7	2 45.05	+17 11.3	1.998	2.887	10.1	22.5
12 17	2 39.74	+16 34.3	2.072	2.875	13.4	22.7

229430 2005 TP_{99} 11 11.4 23°.08 1°.5/12.1 18

10 8	3 32.05	+21 52.9	1.087	1.953	19.7	19.9
10 18	3 28.06	+21 50.5	1.037	1.962	14.9	19.7
10 28	3 20.73	+21 32.4	1.006	1.973	9.4	19.4
11 7	3 11.27	+21 0.5	0.997	1.985	3.5	19.1
11 17	3 1.33	+20 19.3	1.012	1.998	3.4	19.2
11 27	2 52.72	+19 36.6	1.052	2.012	9.0	19.5
12 7	2 46.80	+19 0.6	1.113	2.027	14.1	19.9
12 17	2 44.27	+18 36.7	1.195	2.043	18.4	20.2

240174 2002 PK_{188} 11 11.4 138°.50 4°.2/ 8.8 18

10 8	3 32.58	+ 7 35.6	1.872	2.721	13.4	21.1
10 18	3 27.15	+ 6 52.1	1.807	2.724	10.1	20.9
10 28	3 19.66	+ 6 9.1	1.767	2.727	6.7	20.7
11 7	3 10.88	+ 5 31.4	1.753	2.730	4.3	20.6
11 17	3 1.78	+ 5 3.6	1.768	2.734	5.5	20.7
11 27	2 53.39	+ 4 49.4	1.810	2.736	8.8	20.9
12 7	2 46.62	+ 4 50.8	1.878	2.739	12.1	21.1
12 17	2 42.04	+ 5 7.9	1.968	2.742	15.1	21.3

356058 2009 DK_{27} 11 11.4 313°.22 6°.2/ 7.3 18

10 8	3 30.74	+ 3 52.2	1.756	2.610	13.9	20.6
10 18	3 25.93	+ 2 42.1	1.692	2.607	10.7	20.4
10 28	3 18.99	+ 1 35.0	1.652	2.605	7.7	20.2
11 7	3 10.70	+ 0 37.4	1.637	2.603	6.2	20.1
11 17	3 2.04	− 0 4.4	1.650	2.601	7.6	20.2
11 27	2 54.09	− 0 25.9	1.690	2.599	10.5	20.4
12 7	2 47.78	− 0 25.5	1.753	2.597	13.7	20.6
12 17	2 43.70	− 0 4.2	1.837	2.595	16.5	20.8

47641 2000 CE_{30} 11 11.4 156°.51 4°.0/ 8.1 18

10 8	3 28.78	+ 6 9.6	2.457	3.300	10.8	19.8
10 18	3 23.92	+ 5 20.0	2.389	3.302	8.2	19.7
10 28	3 17.54	+ 4 31.5	2.348	3.304	5.6	19.5
11 7	3 10.22	+ 3 48.2	2.334	3.306	4.0	19.4
11 17	3 2.65	+ 3 13.9	2.350	3.307	5.0	19.5
11 27	2 55.60	+ 2 51.8	2.394	3.309	7.5	19.6
12 7	2 49.73	+ 2 43.5	2.465	3.311	10.1	19.8
12 17	2 45.50	+ 2 49.4	2.559	3.312	12.5	20.0

313195 2001 QH_{158} 11 11.4 14°.29 13°.2/19.5 17

10 8	3 34.07	+43 58.1	1.241	2.020	22.8	19.4
10 18	3 30.47	+45 37.4	1.190	2.028	20.0	19.2
10 28	3 22.71	+46 44.0	1.155	2.039	17.0	19.1
11 7	3 12.00	+47 9.5	1.139	2.051	14.5	19.0
11 17	3 0.38	+46 50.3	1.142	2.066	13.2	18.9
11 27	2 50.24	+45 51.0	1.167	2.082	13.6	19.0
12 7	2 43.44	+44 24.1	1.213	2.099	15.5	19.2
12 17	2 40.86	+42 44.2	1.278	2.118	17.9	19.4

275349 2011 AX 11 11.4 294°.89 0°.5/11.1 18

10 8	3 33.86	+17 58.4	1.379	2.234	16.9	20.8
10 18	3 29.23	+17 40.8	1.296	2.217	12.8	20.5
10 28	3 21.53	+17 12.5	1.233	2.200	7.9	20.2
11 7	3 11.62	+16 36.0	1.195	2.184	2.4	19.9
11 17	3 0.83	+15 55.5	1.183	2.167	3.4	19.9
11 27	2 50.78	+15 17.5	1.197	2.151	9.1	20.2
12 7	2 42.91	+14 48.8	1.235	2.135	14.2	20.4
12 17	2 38.16	+14 34.1	1.294	2.119	18.6	20.6

322398 2011 QR_{94} 11 11.4 160°.66 0°.5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.77	+18 43.9	1.964	2.799	13.4	21.5
10 18	3 27.32	+18 4.9	1.891	2.803	10.0	21.3
10 28	3 19.79	+17 16.6	1.842	2.806	6.1	21.0
11 7	3 10.95	+16 22.0	1.820	2.809	1.8	20.8
11 17	3 1.78	+15 25.5	1.828	2.811	2.7	20.8
11 27	2 53.34	+14 32.5	1.865	2.813	6.8	21.1
12 7	2 46.51	+13 47.9	1.929	2.815	10.6	21.3
12 17	2 41.89	+13 15.5	2.016	2.816	13.8	21.6

271410 2004 CF_{96} 11 11.4 199°.54 2°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.90	+25 43.7	1.849	2.665	15.0	21.4
10 18	3 30.77	+25 41.0	1.767	2.662	11.6	21.2
10 28	3 22.09	+25 24.0	1.707	2.659	7.7	20.9
11 7	3 11.72	+24 52.6	1.673	2.655	3.8	20.7
11 17	3 0.79	+24 8.9	1.668	2.650	3.2	20.6
11 27	2 50.63	+23 17.8	1.692	2.645	6.9	20.9
12 7	2 42.35	+22 26.2	1.743	2.639	10.9	21.1
12 17	2 36.71	+21 40.3	1.818	2.633	14.5	21.3

407195 2009 UA_{121} 11 11.4 41°.69 0°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.95	+19 18.1	2.065	2.904	12.7	20.1
10 18	3 24.35	+18 15.0	1.995	2.909	9.4	19.9
10 28	3 17.91	+17 1.8	1.950	2.915	5.7	19.7
11 7	3 10.36	+15 42.4	1.932	2.921	1.7	19.5
11 17	3 2.55	+14 22.4	1.945	2.927	2.7	19.6
11 27	2 55.44	+13 7.7	1.986	2.933	6.6	19.8
12 7	2 49.79	+12 3.9	2.055	2.939	10.1	20.1
12 17	2 46.13	+11 14.4	2.148	2.946	13.1	20.3

354490 2004 FD_{32} 11 11.4 222°.94 5°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.73	− 1 0.8	2.424	3.251	11.5	21.8
10 18	3 27.67	− 1 33.7	2.346	3.242	9.1	21.6
10 28	3 19.89	− 2 0.0	2.294	3.232	6.9	21.5
11 7	3 10.98	− 2 15.7	2.269	3.221	5.8	21.4
11 17	3 1.72	− 2 17.3	2.274	3.210	6.7	21.4
11 27	2 52.95	− 2 2.9	2.307	3.199	8.9	21.5
12 7	2 45.43	− 1 32.1	2.366	3.187	11.4	21.7
12 17	2 39.71	− 0 46.3	2.449	3.174	13.7	21.8

164808 1999 JC_{116} 11 11.4 140°.53 4°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.52	+ 3 21.5	2.714	3.548	10.2	20.0
10 18	3 25.07	+ 3 3.0	2.646	3.552	7.8	19.8
10 28	3 18.19	+ 2 48.3	2.604	3.555	5.4	19.7
11 7	3 10.43	+ 2 40.0	2.591	3.559	4.0	19.6
11 17	3 2.44	+ 2 40.7	2.607	3.562	4.8	19.7
11 27	2 54.93	+ 2 52.0	2.653	3.565	7.0	19.8
12 7	2 48.52	+ 3 14.4	2.726	3.568	9.4	20.0
12 17	2 43.65	+ 3 47.6	2.823	3.571	11.6	20.1

443386 2014 HO_{12} 11 11.4 71°.94 0°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.97	+18 26.8	1.767	2.606	14.5	21.4
10 18	3 28.44	+18 21.3	1.699	2.612	10.8	21.2
10 28	3 20.58	+18 7.8	1.654	2.618	6.6	21.0
11 7	3 11.22	+17 48.0	1.636	2.624	2.1	20.7
11 17	3 1.46	+17 24.8	1.645	2.630	2.6	20.8
11 27	2 52.49	+17 2.4	1.684	2.636	7.1	21.1
12 7	2 45.34	+16 45.1	1.748	2.642	11.1	21.3
12 17	2 40.64	+16 36.3	1.836	2.647	14.5	21.5

332465 2008 CG_{195} 11 11.4 95°.51 3°.9/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.79	+27 46.8	1.607	2.419	17.0	21.1
10 18	3 33.72	+28 5.9	1.552	2.442	13.2	20.9
10 28	3 23.83	+28 8.2	1.518	2.464	9.0	20.7
11 7	3 12.22	+27 52.4	1.510	2.486	5.1	20.5
11 17	3 0.30	+27 20.3	1.529	2.508	4.2	20.5
11 27	2 49.59	+26 37.5	1.577	2.528	7.5	20.7
12 7	2 41.24	+25 51.5	1.651	2.549	11.3	21.0
12 17	2 35.90	+25 9.3	1.748	2.568	14.7	21.3

9512 Feijunlong 11 11.4 268°.53 7°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.79	− 0 43.9	1.867	2.713	13.5	16.9
10 18	3 25.94	− 2 4.0	1.797	2.702	10.9	16.7
10 28	3 19.03	− 3 18.2	1.752	2.691	8.5	16.6
11 7	3 10.76	− 4 19.2	1.733	2.680	7.7	16.5
11 17	3 2.05	− 5 0.6	1.740	2.669	9.0	16.5
11 27	2 53.97	− 5 18.0	1.773	2.658	11.5	16.7
12 7	2 47.41	− 5 10.4	1.829	2.646	14.4	16.8
12 17	2 43.00	− 4 39.7	1.905	2.635	16.9	17.0

58047 2002 XY_{21} 11 11.4 3°.20 0°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.07	+18 20.3	1.386	2.245	16.6	18.5
10 18	3 26.89	+18 25.3	1.321	2.244	12.5	18.2
10 28	3 19.92	+18 21.6	1.277	2.244	7.7	17.9
11 7	3 11.08	+18 10.8	1.256	2.245	2.5	17.6
11 17	3 1.66	+17 55.8	1.262	2.247	3.0	17.7
11 27	2 53.15	+17 41.2	1.294	2.250	8.1	18.0
12 7	2 46.76	+17 31.9	1.350	2.255	12.8	18.3
12 17	2 43.26	+17 31.8	1.427	2.260	16.8	18.5

426227 2012 MT_1 11 11.4 115°.52 2°.6/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.52	+12 30.6	1.733	2.577	14.6	22.0
10 18	3 30.11	+11 52.5	1.678	2.594	10.8	21.8
10 28	3 21.46	+11 10.8	1.646	2.611	6.6	21.6
11 7	3 11.46	+10 29.8	1.642	2.627	3.0	21.4
11 17	3 1.25	+ 9 53.9	1.666	2.643	4.2	21.5
11 27	2 51.99	+ 9 27.7	1.719	2.658	8.2	21.8
12 7	2 44.62	+ 9 14.4	1.798	2.673	11.9	22.0
12 17	2 39.69	+ 9 15.1	1.900	2.687	15.0	22.3

255611 2006 PZ_{15} 11 11.4 134°.65 3°.8/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.63	+28 30.2	1.839	2.638	15.7	21.8
10 18	3 34.17	+28 46.6	1.772	2.654	12.3	21.6
10 28	3 24.07	+28 47.1	1.728	2.670	8.5	21.4
11 7	3 12.31	+28 30.3	1.711	2.685	4.9	21.2
11 17	3 0.17	+27 57.5	1.722	2.699	4.1	21.2
11 27	2 49.05	+27 13.5	1.763	2.712	7.1	21.4
12 7	2 40.06	+26 25.3	1.831	2.724	10.7	21.7
12 17	2 33.89	+25 39.7	1.923	2.735	13.9	21.9

447579 2006 TE_{102} 11 11.4 308°.29 1°.5/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.59	+20 55.1	1.757	2.593	14.7	21.5
10 18	3 28.56	+21 13.6	1.667	2.576	11.3	21.3
10 28	3 20.93	+21 23.5	1.598	2.559	7.2	21.0
11 7	3 11.43	+21 24.6	1.556	2.542	2.9	20.7
11 17	3 1.16	+21 17.9	1.541	2.525	2.8	20.6
11 27	2 51.43	+21 6.6	1.554	2.508	7.3	20.9
12 7	2 43.45	+20 55.3	1.593	2.492	11.6	21.1
12 17	2 38.08	+20 48.5	1.655	2.476	15.4	21.3

495810 2017 FP_{98} 11 11.4 256°.15 2°.9/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.00	+ 7 49.0	2.646	3.479	10.4	21.5
10 18	3 26.38	+ 7 36.8	2.553	3.463	7.9	21.3
10 28	3 19.13	+ 7 25.5	2.487	3.446	5.1	21.1
11 7	3 10.79	+ 7 17.5	2.449	3.428	3.0	20.9
11 17	3 2.04	+ 7 15.2	2.442	3.411	3.9	21.0
11 27	2 53.66	+ 7 20.7	2.465	3.393	6.6	21.1
12 7	2 46.38	+ 7 35.4	2.516	3.375	9.5	21.3
12 17	2 40.74	+ 8 0.0	2.591	3.356	12.0	21.4

344916 2004 RT_{294} 11 11.4 185°.94 5°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.55	+32 10.6	1.919	2.707	15.5	20.6
10 18	3 32.16	+32 44.7	1.838	2.707	12.5	20.4
10 28	3 23.04	+33 1.8	1.779	2.707	9.3	20.2
11 7	3 12.06	+32 59.3	1.745	2.706	6.3	20.1
11 17	3 0.44	+32 36.8	1.738	2.705	5.5	20.0
11 27	2 49.60	+31 57.6	1.761	2.704	7.6	20.1
12 7	2 40.74	+31 8.7	1.809	2.702	10.8	20.3
12 17	2 34.68	+30 17.6	1.882	2.699	14.0	20.5

341889 2008 HF 11 11.4 307°.97 8°.1/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.90	− 2 16.1	0.993	1.843	22.4	19.3
10 18	3 43.13	− 1 24.9	0.921	1.831	17.9	19.0
10 28	3 30.68	− 0 7.4	0.866	1.819	12.8	18.6
11 7	3 14.65	+ 1 41.9	0.834	1.808	8.6	18.4
11 17	2 57.08	+ 4 1.6	0.828	1.797	9.2	18.4
11 27	2 40.61	+ 6 44.2	0.848	1.787	14.2	18.6
12 7	2 27.53	+ 9 38.6	0.892	1.777	19.8	18.9
12 17	2 19.12	+12 35.4	0.955	1.768	24.7	19.2

430133 2013 TV_{38} 11 11.4 100°.18 3°.3/13.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.36	+25 21.1	1.474	2.299	17.6	21.5
10 18	3 33.72	+25 46.4	1.414	2.313	13.6	21.3
10 28	3 24.02	+25 56.7	1.374	2.327	9.1	21.0
11 7	3 12.35	+25 50.5	1.360	2.341	4.6	20.8
11 17	3 0.20	+25 29.2	1.373	2.354	4.0	20.8
11 27	2 49.21	+24 57.8	1.414	2.367	8.0	21.1
12 7	2 40.68	+24 23.8	1.479	2.380	12.2	21.4
12 17	2 35.35	+23 53.8	1.568	2.392	15.9	21.6

422504 2014 TR_3 11 11.4 259°.84 2°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.20	+24 27.1	2.426	3.235	12.0	20.9
10 18	3 28.31	+24 57.6	2.339	3.230	9.3	20.7
10 28	3 20.44	+25 19.6	2.277	3.225	6.2	20.5
11 7	3 11.23	+25 32.1	2.242	3.221	3.2	20.3
11 17	3 1.52	+25 35.4	2.237	3.216	2.9	20.3
11 27	2 52.28	+25 31.4	2.262	3.212	5.7	20.5
12 7	2 44.40	+25 23.4	2.315	3.207	8.8	20.7
12 17	2 38.52	+25 15.2	2.394	3.202	11.6	20.8

480956 2003 SD_{417} 11 11.4 125°.76 3°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.26	+ 5 20.2	2.799	3.635	9.8	21.9
10 18	3 24.04	+ 4 25.1	2.742	3.650	7.4	21.7
10 28	3 17.52	+ 3 31.8	2.713	3.665	5.1	21.6
11 7	3 10.25	+ 2 44.0	2.712	3.680	3.9	21.6
11 17	3 2.84	+ 2 5.1	2.742	3.694	4.8	21.6
11 27	2 55.94	+ 1 37.9	2.801	3.708	6.9	21.8
12 7	2 50.11	+ 1 23.9	2.887	3.721	9.2	22.0
12 17	2 45.75	+ 1 23.3	2.997	3.734	11.2	22.1

459268 2012 FU_{61} 11 11.4 237°.81 4°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.82	+ 4 55.7	2.284	3.124	11.6	21.2
10 18	3 26.34	+ 4 35.5	2.212	3.122	8.9	21.0
10 28	3 19.12	+ 4 18.4	2.165	3.120	6.0	20.8
11 7	3 10.79	+ 4 7.8	2.146	3.118	4.2	20.7
11 17	3 2.14	+ 4 6.5	2.155	3.117	5.1	20.8
11 27	2 54.03	+ 4 16.7	2.194	3.115	7.8	20.9
12 7	2 47.23	+ 4 39.2	2.260	3.113	10.6	21.1
12 17	2 42.26	+ 5 13.9	2.348	3.111	13.2	21.3

485921 2012 GO_{32} 11 11.4 214°.99 1°.3/12.3 17

10 8	3 33.22	+21 51.4	2.484	3.300	11.6	21.6
10 18	3 27.46	+22 4.8	2.398	3.296	8.8	21.4
10 28	3 19.87	+22 10.8	2.337	3.292	5.6	21.2
11 7	3 11.05	+22 9.4	2.304	3.288	2.4	21.0
11 17	3 1.81	+22 1.6	2.301	3.284	2.2	20.9
11 27	2 53.05	+21 49.9	2.328	3.279	5.4	21.2
12 7	2 45.59	+21 37.5	2.384	3.275	8.6	21.4
12 17	2 40.01	+21 27.6	2.465	3.270	11.5	21.5

131367 2001 KS_{16} 11 11.4 189°.49 0°.8/10.7 18

10 8	3 28.94	+17 39.0	2.734	3.563	10.3	20.3
10 18	3 24.00	+16 51.7	2.653	3.562	7.6	20.1
10 28	3 17.60	+15 57.8	2.597	3.561	4.6	19.9
11 7	3 10.31	+14 59.8	2.571	3.559	1.5	19.7
11 17	3 2.78	+14 1.4	2.576	3.558	2.3	19.8
11 27	2 55.73	+13 6.4	2.612	3.555	5.4	20.0
12 7	2 49.78	+12 18.7	2.676	3.553	8.3	20.2
12 17	2 45.39	+11 40.9	2.765	3.550	10.9	20.3

523351 2017 BQ_{141} 11 11.4 117°.34 7°.6/ 5.3 18

10 8	3 29.62	− 7 49.7	2.515	3.334	11.3	21.2
10 18	3 24.48	− 8 46.4	2.465	3.341	9.5	21.1
10 28	3 17.88	− 9 32.2	2.439	3.347	8.1	21.0
11 7	3 10.39	−10 2.5	2.439	3.354	7.7	21.0
11 17	3 2.72	−10 13.8	2.467	3.360	8.4	21.1
11 27	2 55.60	−10 4.5	2.520	3.366	10.0	21.2
12 7	2 49.67	− 9 35.4	2.598	3.372	11.8	21.3
12 17	2 45.36	− 8 48.6	2.696	3.378	13.5	21.5

454966 2015 TQ_{204} 11 11.4 65°.19 2°.1/12.4 18

10 8	3 38.73	+21 39.4	1.887	2.708	14.5	20.6
10 18	3 31.93	+22 24.5	1.824	2.724	11.0	20.4
10 28	3 22.71	+23 1.3	1.785	2.740	7.1	20.2
11 7	3 11.95	+23 28.4	1.773	2.757	3.2	20.0
11 17	3 0.76	+23 45.7	1.791	2.773	2.9	20.0
11 27	2 50.41	+23 55.2	1.838	2.789	6.6	20.2
12 7	2 41.94	+24 0.9	1.912	2.806	10.3	20.5
12 17	2 36.01	+24 6.5	2.011	2.822	13.4	20.7

69518 1997 FS_{4} 11 11.4 162°.13 1°.3/11.9 18

10 8	3 44.26	+18 52.1	2.243	3.048	13.0	18.8
10 18	3 35.85	+19 44.9	2.160	3.054	9.8	18.6
10 28	3 25.08	+20 33.2	2.104	3.059	6.2	18.4
11 7	3 12.71	+21 15.2	2.078	3.063	2.4	18.2
11 17	2 59.76	+21 49.9	2.084	3.067	2.4	18.2
11 27	2 47.43	+22 18.1	2.123	3.070	6.2	18.5
12 7	2 36.75	+22 42.2	2.192	3.073	9.7	18.7
12 17	2 28.45	+23 5.0	2.287	3.075	12.8	18.9

331023 2009 UG_{150} 11 11.4 68°.64 3°.9/ 9.5 18

10 8	3 35.59	+11 15.9	1.337	2.197	17.0	20.2
10 18	3 29.86	+10 22.7	1.293	2.217	12.6	20.0
10 28	3 21.47	+ 9 26.8	1.271	2.237	7.9	19.8
11 7	3 11.52	+ 8 34.5	1.274	2.257	4.1	19.7
11 17	3 1.40	+ 7 52.2	1.303	2.278	5.6	19.8
11 27	2 52.49	+ 7 25.5	1.359	2.298	9.9	20.1
12 7	2 45.86	+ 7 17.0	1.438	2.318	14.0	20.4
12 17	2 42.07	+ 7 26.9	1.538	2.337	17.4	20.7

354438 2003 YN_{68} 11 11.4 320°.81 11°.3/ 5.2 18

10 8	3 32.52	− 9 32.5	1.619	2.452	15.9	20.1
10 18	3 27.53	−10 38.0	1.557	2.440	13.6	19.9
10 28	3 20.14	−11 27.0	1.517	2.429	11.8	19.8
11 7	3 11.17	−11 51.0	1.500	2.417	11.3	19.7
11 17	3 1.72	−11 44.2	1.507	2.406	12.4	19.7
11 27	2 53.02	−11 4.4	1.537	2.396	14.5	19.8
12 7	2 46.12	− 9 54.0	1.588	2.386	17.1	20.0
12 17	2 41.71	− 8 18.4	1.658	2.377	19.5	20.2

516830 2010 UR_{108} 11 11.4 72°.55 0°.7/10.9 18

10 8	3 31.32	+17 31.6	1.994	2.834	13.1	21.8
10 18	3 26.23	+17 4.9	1.925	2.839	9.7	21.6
10 28	3 19.16	+16 30.9	1.880	2.845	5.9	21.4
11 7	3 10.83	+15 52.2	1.862	2.850	1.8	21.1
11 17	3 2.19	+15 12.5	1.873	2.856	2.6	21.2
11 27	2 54.24	+14 36.3	1.913	2.862	6.6	21.5
12 7	2 47.84	+14 7.7	1.979	2.867	10.3	21.7
12 17	2 43.55	+13 49.5	2.070	2.873	13.4	21.9

212258 2005 JY_{109} 11 11.4 100°.80 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.26	+16 0.5	1.942	2.780	13.5	20.4
10 18	3 28.42	+15 51.2	1.877	2.790	10.0	20.2
10 28	3 20.49	+15 36.6	1.836	2.801	6.0	20.0
11 7	3 11.25	+15 18.6	1.823	2.811	1.9	19.8
11 17	3 1.69	+15 0.1	1.838	2.821	2.7	19.9
11 27	2 52.89	+14 44.6	1.883	2.831	6.8	20.1
12 7	2 45.74	+14 35.4	1.954	2.841	10.5	20.4
12 17	2 40.83	+14 34.9	2.049	2.850	13.6	20.6

353051 2009 DA_{42} 11 11.4 307°.79 6°.8/15.1 18

10 8	3 34.91	+34 1.7	1.660	2.458	17.1	20.5
10 18	3 30.07	+34 42.7	1.571	2.442	14.2	20.2
10 28	3 22.13	+35 4.2	1.501	2.426	10.8	20.0
11 7	3 11.91	+35 2.2	1.454	2.411	7.9	19.8
11 17	3 0.74	+34 35.0	1.433	2.396	6.9	19.7
11 27	2 50.27	+33 46.0	1.438	2.382	8.9	19.8
12 7	2 41.97	+32 43.4	1.468	2.367	12.4	19.9
12 17	2 36.83	+31 36.7	1.520	2.354	15.9	20.1

410132 2007 GC_{53} 11 11.4 190°.20 2°.6/13.1 17

10 8	3 34.89	+25 26.5	2.490	3.292	11.9	21.6
10 18	3 28.77	+25 54.1	2.405	3.292	9.3	21.4
10 28	3 20.71	+26 12.5	2.345	3.291	6.3	21.2
11 7	3 11.35	+26 20.8	2.312	3.290	3.4	21.0
11 17	3 1.53	+26 19.2	2.310	3.288	2.9	21.0
11 27	2 52.21	+26 9.8	2.338	3.287	5.6	21.2
12 7	2 44.25	+25 56.2	2.394	3.285	8.6	21.4
12 17	2 38.27	+25 42.4	2.476	3.283	11.3	21.6

431683 2008 DY_{19} 11 11.4 311°.43 3°.7/ 9.7 18

10 8	3 33.10	+12 1.0	1.281	2.148	17.2	21.7
10 18	3 28.63	+11 17.6	1.210	2.138	13.0	21.4
10 28	3 21.15	+10 28.7	1.160	2.128	8.1	21.1
11 7	3 11.57	+ 9 40.2	1.134	2.119	4.0	20.9
11 17	3 1.27	+ 8 58.7	1.133	2.110	5.7	20.9
11 27	2 51.86	+ 8 31.3	1.157	2.101	10.6	21.2
12 7	2 44.70	+ 8 22.4	1.204	2.092	15.4	21.5
12 17	2 40.63	+ 8 33.5	1.270	2.085	19.6	21.7

191423 2003 SX_{146} 11 11.4 0°.09 3°.9/13.8 18

10 8	3 30.10	+28 12.2	1.709	2.533	15.6	19.3
10 18	3 25.95	+28 26.5	1.635	2.531	12.3	19.1
10 28	3 19.29	+28 24.8	1.582	2.530	8.6	18.9
11 7	3 10.95	+28 6.4	1.553	2.529	5.0	18.7
11 17	3 2.07	+27 32.8	1.551	2.530	4.2	18.6
11 27	2 53.96	+26 48.8	1.577	2.531	7.2	18.8
12 7	2 47.73	+26 1.0	1.627	2.533	10.9	19.1
12 17	2 44.09	+25 16.1	1.701	2.537	14.4	19.3

50782 2000 FU_{16} 11 11.4 357°.66 5°.3/ 9.9 18

10 8	3 32.09	+ 6 48.0	1.013	1.896	19.4	17.6
10 18	3 28.35	+ 6 44.1	0.956	1.890	14.8	17.3
10 28	3 21.16	+ 6 45.8	0.918	1.886	9.7	17.0
11 7	3 11.59	+ 6 58.4	0.902	1.884	5.7	16.8
11 17	3 1.28	+ 7 25.9	0.908	1.884	7.0	16.9
11 27	2 52.08	+ 8 10.8	0.937	1.885	11.9	17.2
12 7	2 45.54	+ 9 12.4	0.987	1.887	16.9	17.4
12 17	2 42.53	+10 28.4	1.056	1.892	21.2	17.7

361368 2006 UF_{275} 11 11.4 322°.79 2°.3/12.7 18

10 8	3 32.81	+24 7.5	1.774	2.604	14.9	21.3
10 18	3 27.87	+24 15.5	1.693	2.597	11.5	21.0
10 28	3 20.45	+24 11.2	1.634	2.590	7.5	20.8
11 7	3 11.32	+23 54.5	1.600	2.583	3.5	20.5
11 17	3 1.60	+23 27.1	1.595	2.577	3.0	20.5
11 27	2 52.56	+22 53.3	1.616	2.572	7.0	20.7
12 7	2 45.33	+22 18.9	1.665	2.566	11.0	20.9
12 17	2 40.65	+21 49.4	1.736	2.561	14.6	21.2

50957 2000 GR_{80} 11 11.4 168°.20 1°.2/12.5 18

10 8	3 32.94	+23 58.8	2.523	3.333	11.6	19.3
10 18	3 27.12	+23 33.0	2.443	3.337	8.8	19.2
10 28	3 19.58	+22 56.6	2.387	3.341	5.6	19.0
11 7	3 10.98	+22 10.9	2.360	3.345	2.3	18.7
11 17	3 2.10	+21 18.6	2.364	3.348	2.0	18.7
11 27	2 53.82	+20 23.9	2.399	3.350	5.3	19.0
12 7	2 46.88	+19 31.5	2.462	3.352	8.5	19.2
12 17	2 41.78	+18 45.5	2.552	3.353	11.2	19.4

111786 2002 CZ_{213} 11 11.4 184°.30 3°.4/13.3 18

10 8	3 38.77	+26 46.0	1.608	2.427	16.7	20.6
10 18	3 32.56	+26 56.7	1.532	2.427	13.0	20.4
10 28	3 23.41	+26 51.3	1.477	2.427	8.8	20.2
11 7	3 12.26	+26 28.7	1.448	2.427	4.7	19.9
11 17	3 0.48	+25 50.3	1.445	2.426	3.9	19.9
11 27	2 49.61	+25 1.7	1.471	2.424	7.7	20.1
12 7	2 40.97	+24 10.5	1.523	2.422	12.0	20.4
12 17	2 35.37	+23 24.2	1.597	2.420	15.8	20.6

480096 2015 EJ_{63} 11 11.4 196°.70 3°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.04	+27 48.7	1.921	2.725	14.9	22.1
10 18	3 31.64	+27 52.7	1.837	2.723	11.7	21.9
10 28	3 22.69	+27 41.5	1.775	2.720	8.0	21.7
11 7	3 12.02	+27 14.1	1.739	2.716	4.4	21.5
11 17	3 0.78	+26 32.1	1.732	2.711	3.7	21.4
11 27	2 50.30	+25 40.2	1.755	2.706	6.9	21.6
12 7	2 41.70	+24 45.2	1.805	2.700	10.7	21.8
12 17	2 35.73	+23 53.8	1.879	2.693	14.1	22.0

308999 2006 UJ_{42} 11 11.4 288°.23 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.42	+16 20.5	1.945	2.785	13.3	21.2
10 18	3 27.19	+16 5.2	1.869	2.784	9.9	21.0
10 28	3 19.83	+15 43.8	1.818	2.783	6.0	20.8
11 7	3 11.10	+15 18.7	1.793	2.782	1.9	20.5
11 17	3 1.94	+14 52.8	1.797	2.780	2.8	20.6
11 27	2 53.44	+14 30.2	1.830	2.779	6.9	20.8
12 7	2 46.52	+14 14.6	1.890	2.778	10.7	21.1
12 17	2 41.80	+14 8.6	1.973	2.776	13.9	21.3

275039 2009 UW_{58} 11 11.4 136°.15 0°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.49	+21 39.8	1.694	2.528	15.3	20.9
10 18	3 29.68	+21 9.9	1.626	2.535	11.5	20.7
10 28	3 21.41	+20 27.2	1.581	2.543	7.2	20.4
11 7	3 11.59	+19 34.1	1.562	2.549	2.4	20.2
11 17	3 1.40	+18 35.2	1.571	2.556	2.6	20.2
11 27	2 52.12	+17 36.6	1.609	2.562	7.2	20.5
12 7	2 44.81	+16 45.0	1.674	2.568	11.4	20.8
12 17	2 40.10	+16 5.2	1.761	2.573	15.0	21.0

270035 2001 KF_{33} 11 11.4 135°.69 1°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.14	+14 58.8	2.535	3.369	10.8	21.4
10 18	3 24.97	+14 33.5	2.464	3.376	8.0	21.3
10 28	3 18.25	+14 4.1	2.418	3.382	4.8	21.1
11 7	3 10.57	+13 32.8	2.400	3.387	1.7	20.9
11 17	3 2.64	+13 2.5	2.413	3.393	2.6	20.9
11 27	2 55.24	+12 36.4	2.455	3.399	5.7	21.2
12 7	2 49.04	+12 17.3	2.526	3.404	8.7	21.4
12 17	2 44.51	+12 7.0	2.621	3.409	11.3	21.6

374831 2006 UG_{233} 11 11.4 29°.88 2°.5/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.75	+12 53.5	0.906	1.791	21.0	19.8
10 18	3 30.19	+12 52.6	0.872	1.809	15.6	19.5
10 28	3 22.06	+12 48.2	0.857	1.829	9.4	19.3
11 7	3 11.79	+12 44.1	0.862	1.850	3.5	19.1
11 17	3 1.26	+12 44.8	0.891	1.873	4.9	19.2
11 27	2 52.39	+12 54.5	0.942	1.897	10.6	19.6
12 7	2 46.51	+13 16.1	1.015	1.923	15.7	20.0
12 17	2 44.22	+13 50.0	1.106	1.949	19.9	20.4

59444 1999 GY_{30} 11 11.4 154°.39 2°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.38	+12 58.4	1.609	2.457	15.3	19.8
10 18	3 30.34	+12 9.3	1.545	2.463	11.4	19.6
10 28	3 21.81	+11 14.9	1.504	2.469	7.0	19.4
11 7	3 11.71	+10 20.1	1.489	2.474	3.2	19.2
11 17	3 1.24	+ 9 30.6	1.503	2.479	4.6	19.3
11 27	2 51.70	+ 8 52.4	1.544	2.483	8.9	19.5
12 7	2 44.13	+ 8 29.4	1.611	2.487	12.9	19.8
12 17	2 39.19	+ 8 23.4	1.699	2.490	16.4	20.0

172231 2002 RZ_{127} 11 11.4 334°.74 3°.6/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.69	+29 49.3	1.577	2.400	16.7	19.8
10 18	3 26.59	+29 20.5	1.496	2.392	13.2	19.5
10 28	3 19.77	+28 29.5	1.435	2.384	9.1	19.3
11 7	3 11.13	+27 16.7	1.399	2.377	5.0	19.0
11 17	3 1.94	+25 46.2	1.389	2.370	3.9	18.9
11 27	2 53.62	+24 6.3	1.407	2.364	7.5	19.2
12 7	2 47.37	+22 27.5	1.450	2.358	11.8	19.4
12 17	2 43.91	+20 58.7	1.517	2.354	15.8	19.6

393428 2001 SX_{123} 11 11.4 75°.13 4°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.20	+30 6.6	1.879	2.680	15.3	20.9
10 18	3 30.06	+30 15.9	1.821	2.702	12.0	20.7
10 28	3 21.55	+30 8.4	1.785	2.724	8.5	20.5
11 7	3 11.61	+29 43.5	1.775	2.746	5.2	20.4
11 17	3 1.42	+29 3.1	1.793	2.767	4.3	20.4
11 27	2 52.20	+28 12.3	1.839	2.789	6.8	20.6
12 7	2 44.96	+27 18.0	1.912	2.810	10.0	20.8
12 17	2 40.26	+26 26.4	2.010	2.832	13.0	21.0

391220 2006 HK_{120} 11 11.4 350°.99 0°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.36	+21 7.9	1.359	2.218	16.9	20.1
10 18	3 24.91	+19 45.8	1.289	2.213	12.7	19.8
10 28	3 18.73	+18 5.0	1.240	2.208	7.7	19.5
11 7	3 10.80	+16 11.5	1.215	2.204	2.3	19.2
11 17	3 2.39	+14 14.9	1.218	2.201	3.6	19.3
11 27	2 54.91	+12 26.8	1.247	2.199	9.0	19.6
12 7	2 49.53	+10 56.7	1.301	2.198	13.8	19.9
12 17	2 46.93	+ 9 50.5	1.375	2.198	17.9	20.1

187507 2006 TJ_{30} 11 11.4 342°.16 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.66	+16 51.4	1.342	2.202	17.0	20.0
10 18	3 28.13	+15 58.4	1.275	2.200	12.7	19.7
10 28	3 20.72	+14 54.1	1.229	2.198	7.7	19.4
11 7	3 11.44	+13 43.5	1.208	2.196	2.7	19.1
11 17	3 1.61	+12 34.1	1.213	2.194	4.2	19.2
11 27	2 52.76	+11 34.1	1.244	2.193	9.4	19.5
12 7	2 46.11	+10 50.3	1.299	2.192	14.1	19.8
12 17	2 42.41	+10 26.1	1.374	2.191	18.2	20.0

200018 2007 MH_{16} 11 11.4 118°.73 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.82	+13 20.8	1.943	2.781	13.4	20.3
10 18	3 29.50	+13 0.9	1.883	2.796	10.0	20.2
10 28	3 21.12	+12 37.5	1.847	2.811	6.1	20.0
11 7	3 11.48	+12 13.4	1.839	2.825	2.4	19.7
11 17	3 1.59	+11 52.0	1.860	2.839	3.4	19.8
11 27	2 52.51	+11 36.7	1.910	2.852	7.2	20.1
12 7	2 45.11	+11 30.4	1.987	2.865	10.8	20.4
12 17	2 39.95	+11 34.8	2.088	2.877	13.8	20.6

266822 2009 TD_{24} 11 11.4 304°.61 1°.5/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.52	+15 24.8	2.001	2.847	12.8	20.9
10 18	3 25.14	+14 50.4	1.908	2.826	9.6	20.7
10 28	3 18.68	+14 9.2	1.838	2.804	5.9	20.4
11 7	3 10.79	+13 24.2	1.795	2.783	2.1	20.1
11 17	3 2.35	+12 39.5	1.781	2.762	3.3	20.2
11 27	2 54.39	+12 0.0	1.795	2.741	7.3	20.4
12 7	2 47.84	+11 30.3	1.836	2.720	11.2	20.6
12 17	2 43.38	+11 13.2	1.900	2.700	14.5	20.8

190696 2001 FT_{14} 11 11.4 223°.98 1°.1/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.81	+15 44.1	2.701	3.532	10.3	21.3
10 18	3 24.74	+15 12.5	2.613	3.523	7.7	21.1
10 28	3 18.15	+14 35.9	2.551	3.514	4.6	20.9
11 7	3 10.57	+13 56.4	2.518	3.505	1.6	20.6
11 17	3 2.67	+13 17.1	2.515	3.496	2.4	20.7
11 27	2 55.20	+12 41.4	2.543	3.486	5.6	20.9
12 7	2 48.82	+12 12.4	2.599	3.475	8.6	21.1
12 17	2 44.04	+11 52.3	2.680	3.465	11.2	21.2

208337 2001 QL_{209} 11 11.4 120°.54 7°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.27	− 3 42.8	2.133	2.967	12.6	20.5
10 18	3 25.90	− 5 7.6	2.087	2.979	10.2	20.3
10 28	3 18.83	− 6 23.3	2.066	2.991	8.4	20.2
11 7	3 10.76	− 7 23.4	2.071	3.002	7.8	20.2
11 17	3 2.51	− 8 2.9	2.104	3.014	8.8	20.3
11 27	2 54.94	− 8 19.2	2.163	3.024	10.8	20.5
12 7	2 48.78	− 8 12.3	2.245	3.035	12.9	20.6
12 17	2 44.50	− 7 44.6	2.347	3.045	14.9	20.8

279145 2009 SA_{18} 11 11.4 26°.11 0°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.16	+15 50.0	1.693	2.534	15.0	19.3
10 18	3 30.95	+16 36.6	1.631	2.545	11.2	19.1
10 28	3 22.24	+17 20.1	1.592	2.556	6.9	18.9
11 7	3 11.89	+17 59.6	1.580	2.568	2.2	18.6
11 17	3 1.07	+18 35.0	1.597	2.581	2.6	18.7
11 27	2 51.10	+19 7.6	1.642	2.594	7.1	19.0
12 7	2 43.06	+19 39.4	1.714	2.609	11.2	19.2
12 17	2 37.66	+20 12.9	1.809	2.623	14.6	19.5

322543 2011 YZ_{34} 11 11.4 110°.14 5°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.26	+ 3 15.3	2.114	2.956	12.4	20.3
10 18	3 26.74	+ 2 41.1	2.053	2.962	9.5	20.1
10 28	3 19.41	+ 2 11.2	2.016	2.967	6.7	20.0
11 7	3 10.96	+ 1 49.9	2.006	2.973	5.1	19.9
11 17	3 2.25	+ 1 40.8	2.024	2.978	6.1	20.0
11 27	2 54.18	+ 1 46.2	2.071	2.984	8.7	20.1
12 7	2 47.53	+ 2 6.8	2.144	2.989	11.5	20.3
12 17	2 42.83	+ 2 41.7	2.239	2.994	14.0	20.5

385185 1993 RO 11 11.4 34°.11 0°.1/10.6 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 10.24	+14 23.6	32.571	33.401	1.0	23.7
10 18	3 9.41	+14 19.6	32.495	33.405	0.7	23.7
10 28	3 8.49	+14 15.4	32.446	33.409	0.4	23.7
11 7	3 7.51	+14 11.1	32.426	33.414	0.1	23.6
11 17	3 6.52	+14 6.9	32.437	33.418	0.2	23.6
11 27	3 5.55	+14 3.0	32.479	33.422	0.5	23.7
12 7	3 4.64	+13 59.6	32.550	33.427	0.8	23.7
12 17	3 3.84	+13 56.6	32.648	33.431	1.0	23.7

265899 2006 BD_{34} 11 11.4 317°.47 3°.5/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.93	+10 22.4	1.837	2.692	13.3	20.2
10 18	3 24.80	+ 9 37.8	1.751	2.673	10.0	20.0
10 28	3 18.51	+ 8 50.0	1.689	2.654	6.4	19.7
11 7	3 10.75	+ 8 3.7	1.653	2.635	3.7	19.5
11 17	3 2.44	+ 7 24.0	1.645	2.617	5.0	19.6
11 27	2 54.66	+ 6 55.9	1.664	2.599	8.7	19.8
12 7	2 48.37	+ 6 43.0	1.708	2.581	12.4	20.0
12 17	2 44.27	+ 6 46.8	1.774	2.565	15.8	20.1

112629 2002 PY_{76} 11 11.4 324.°08 5.°6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.01	+ 1 17.9	2.195	3.038	11.9	19.5
10 18	3 25.09	+ 0 36.7	2.128	3.034	9.3	19.4
10 28	3 18.43	+ 0 0.7	2.084	3.031	6.9	19.2
11 7	3 10.67	− 0 25.4	2.068	3.028	5.7	19.1
11 17	3 2.60	− 0 37.8	2.079	3.024	6.6	19.2
11 27	2 55.07	− 0 34.0	2.118	3.021	9.0	19.3
12 7	2 48.85	− 0 13.4	2.183	3.019	11.7	19.5
12 17	2 44.47	+ 0 23.1	2.269	3.016	14.1	19.7

475339 2006 BF_{1} 11 11.4 318.°69 4.°2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.68	+28 8.2	1.483	2.310	17.4	21.4
10 18	3 29.12	+28 20.6	1.402	2.301	13.8	21.1
10 28	3 21.51	+28 14.8	1.341	2.291	9.6	20.9
11 7	3 11.75	+27 49.2	1.305	2.282	5.5	20.6
11 17	3 1.21	+27 5.3	1.294	2.273	4.5	20.5
11 27	2 51.50	+26 8.7	1.309	2.265	8.2	20.7
12 7	2 44.02	+25 8.3	1.349	2.257	12.6	21.0
12 17	2 39.66	+24 12.4	1.411	2.249	16.6	21.2

329665 2003 TJ_{29} 11 11.4 118.°23 5.°4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.77	+33 52.2	2.446	3.212	13.1	20.7
10 18	3 31.17	+34 46.6	2.366	3.218	10.8	20.6
10 28	3 22.32	+35 27.2	2.310	3.223	8.2	20.4
11 7	3 11.93	+35 51.0	2.280	3.228	6.1	20.3
11 17	3 0.99	+35 56.9	2.279	3.234	5.5	20.3
11 27	2 50.62	+35 46.6	2.308	3.239	6.8	20.4
12 7	2 41.82	+35 24.6	2.364	3.244	9.2	20.5
12 17	2 35.31	+34 56.3	2.445	3.249	11.6	20.7

267542 2002 PJ_{120} 11 11.4 21.°25 7.°4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.59	− 1 34.5	2.052	2.899	12.5	20.0
10 18	3 23.33	− 3 3.3	2.000	2.902	10.0	19.9
10 28	3 17.35	− 4 25.1	1.972	2.906	8.1	19.8
11 7	3 10.33	− 5 32.9	1.970	2.910	7.5	19.7
11 17	3 3.05	− 6 21.3	1.995	2.915	8.6	19.8
11 27	2 56.40	− 6 46.6	2.045	2.920	10.7	20.0
12 7	2 51.09	− 6 48.3	2.119	2.925	13.1	20.1
12 17	2 47.63	− 6 28.3	2.213	2.930	15.2	20.3

121854 2000 CE_{44} 11 11.5 192.°81 3.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.32	+ 4 42.1	3.012	3.847	9.2	20.3
10 18	3 23.41	+ 3 49.5	2.939	3.845	7.1	20.2
10 28	3 17.24	+ 2 58.3	2.892	3.843	4.9	20.0
11 7	3 10.28	+ 2 12.1	2.874	3.840	3.8	20.0
11 17	3 3.10	+ 1 34.2	2.886	3.836	4.7	20.0
11 27	2 56.31	+ 1 7.4	2.928	3.833	6.8	20.2
12 7	2 50.48	+ 0 53.2	2.997	3.828	9.0	20.3
12 17	2 46.00	+ 0 52.1	3.091	3.824	11.0	20.4

141619 2002 JH_{26} 11 11.5 100.°76 3.°0/ 9.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.77	+12 25.0	1.507	2.357	16.1	20.0
10 18	3 31.32	+11 45.2	1.457	2.376	11.9	19.8
10 28	3 22.35	+11 1.7	1.430	2.395	7.3	19.6
11 7	3 11.88	+10 19.3	1.428	2.413	3.3	19.4
11 17	3 1.20	+ 9 43.2	1.454	2.431	4.7	19.5
11 27	2 51.63	+ 9 18.3	1.508	2.449	8.9	19.8
12 7	2 44.22	+ 9 7.9	1.587	2.466	12.9	20.1
12 17	2 39.53	+ 9 13.0	1.688	2.482	16.3	20.4

2861 Lambrecht 11 11.5 353.°49 2.°0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.76	+15 45.7	1.440	2.300	16.1	16.2
10 18	3 27.29	+15 1.7	1.373	2.297	12.0	15.9
10 28	3 20.15	+14 8.8	1.328	2.296	7.3	15.7
11 7	3 11.27	+13 11.8	1.307	2.295	2.7	15.4
11 17	3 1.88	+12 16.8	1.313	2.294	4.1	15.5
11 27	2 53.39	+11 30.7	1.345	2.293	8.9	15.7
12 7	2 46.93	+10 59.0	1.402	2.293	13.4	16.0
12 17	2 43.23	+10 44.6	1.479	2.294	17.2	16.3

78540 2002 RH_{117} 11 11.5 126.°96 0.°2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.64	+19 21.2	2.657	3.480	10.7	20.9
10 18	3 25.31	+19 5.5	2.585	3.490	8.0	20.7
10 28	3 18.46	+18 43.3	2.539	3.500	4.9	20.6
11 7	3 10.67	+18 16.2	2.521	3.509	1.6	20.3
11 17	3 2.64	+17 46.5	2.534	3.518	1.8	20.4
11 27	2 55.15	+17 17.1	2.577	3.527	5.1	20.6
12 7	2 48.84	+16 51.4	2.649	3.535	8.1	20.8
12 17	2 44.19	+16 31.8	2.746	3.543	10.6	21.0

141550 2002 GW_{52} 11 11.5 101.°76 1.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.33	+15 20.9	1.570	2.413	15.8	21.0
10 18	3 31.64	+14 40.0	1.521	2.437	11.7	20.8
10 28	3 22.49	+13 52.6	1.494	2.460	7.0	20.5
11 7	3 11.92	+13 2.7	1.494	2.482	2.5	20.3
11 17	3 1.19	+12 15.7	1.523	2.503	3.8	20.5
11 27	2 51.61	+11 37.2	1.580	2.524	8.2	20.8
12 7	2 44.15	+11 11.5	1.663	2.544	12.3	21.1
12 17	2 39.37	+11 0.6	1.767	2.564	15.6	21.3

369381 2009 UX_{149} 11 11.5 201.°93 2.°5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.99	+29 30.3	2.857	3.645	10.9	21.3
10 18	3 25.64	+29 7.8	2.765	3.641	8.6	21.1
10 28	3 18.70	+28 32.6	2.698	3.637	5.9	20.9
11 7	3 10.76	+27 45.2	2.659	3.633	3.4	20.8
11 17	3 2.54	+26 47.6	2.650	3.628	2.7	20.7
11 27	2 54.83	+25 43.6	2.672	3.623	4.9	20.8
12 7	2 48.31	+24 37.9	2.724	3.617	7.6	21.0
12 17	2 43.48	+23 35.2	2.802	3.611	10.1	21.2

219087 1998 QT_{86} 11 11.5 6.°50 4.°8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 24.37	+12 19.8	1.357	2.235	15.8	18.5
10 18	3 21.72	+10 29.6	1.303	2.236	11.7	18.2
10 28	3 16.69	+ 8 32.0	1.271	2.240	7.5	18.0
11 7	3 10.17	+ 6 37.0	1.264	2.245	4.8	17.9
11 17	3 3.31	+ 4 55.0	1.283	2.251	6.7	18.0
11 27	2 57.35	+ 3 35.1	1.327	2.260	10.7	18.3
12 7	2 53.24	+ 2 42.4	1.395	2.269	14.6	18.5
12 17	2 51.57	+ 2 17.5	1.481	2.280	18.0	18.8

324858 2007 LB_{37} 11 11.5 138.°02 4.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.64	+ 4 45.1	2.491	3.334	10.7	21.4
10 18	3 23.84	+ 3 39.9	2.429	3.339	8.2	21.2
10 28	3 17.57	+ 2 36.4	2.392	3.344	5.8	21.1
11 7	3 10.40	+ 1 39.3	2.383	3.349	4.5	21.0
11 17	3 3.02	+ 0 53.0	2.404	3.354	5.6	21.1
11 27	2 56.17	+ 0 20.7	2.454	3.358	7.9	21.2
12 7	2 50.46	+ 0 4.3	2.529	3.363	10.3	21.4
12 17	2 46.36	+ 0 3.8	2.627	3.367	12.5	21.6

429072 2009 KT_{20} 11 11.5 102.°38 2.°9/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.03	+11 43.8	1.431	2.283	16.6	21.8
10 18	3 31.79	+11 23.4	1.374	2.294	12.4	21.5
10 28	3 22.80	+11 0.5	1.339	2.305	7.6	21.3
11 7	3 12.08	+10 39.0	1.330	2.316	3.4	21.1
11 17	3 0.98	+10 23.0	1.348	2.326	4.7	21.2
11 27	2 50.95	+10 16.9	1.393	2.336	9.2	21.5
12 7	2 43.16	+10 23.5	1.462	2.346	13.5	21.8
12 17	2 38.27	+10 43.8	1.553	2.356	17.1	22.0

240958 2006 HT_{58} 11 11.5 215.°42 3.°4/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.69	+ 9 14.1	2.069	2.910	12.6	21.1
10 18	3 28.01	+ 8 38.3	1.990	2.904	9.5	20.9
10 28	3 20.32	+ 8 1.5	1.936	2.897	6.1	20.7
11 7	3 11.31	+ 7 27.4	1.910	2.890	3.5	20.5
11 17	3 1.88	+ 7 0.0	1.913	2.883	4.7	20.6
11 27	2 53.04	+ 6 43.3	1.944	2.875	8.0	20.8
12 7	2 45.66	+ 6 39.5	2.003	2.866	11.4	21.0
12 17	2 40.36	+ 6 49.6	2.084	2.857	14.3	21.2

329920 2005 NP 11 11.5 102.°91 4.°3/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.33	+ 8 27.4	1.640	2.487	15.1	21.0
10 18	3 30.78	+ 7 43.3	1.592	2.508	11.3	20.8
10 28	3 21.94	+ 6 59.8	1.567	2.528	7.3	20.6
11 7	3 11.77	+ 6 21.8	1.569	2.548	4.4	20.5
11 17	3 1.42	+ 5 54.2	1.599	2.568	5.6	20.6
11 27	2 52.11	+ 5 40.9	1.657	2.587	9.2	20.9
12 7	2 44.76	+ 5 43.7	1.740	2.605	12.7	21.1
12 17	2 39.94	+ 6 2.2	1.845	2.623	15.8	21.4

25247 1998 UW_{19} 11 11.5 15.°57 0.°5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.86	+20 1.8	2.124	2.957	12.7	18.6
10 18	3 25.92	+19 51.6	2.049	2.958	9.5	18.4
10 28	3 19.03	+19 33.2	1.997	2.959	5.9	18.2
11 7	3 10.91	+19 8.0	1.973	2.961	2.0	18.0
11 17	3 2.41	+18 38.7	1.978	2.962	2.2	18.0
11 27	2 54.52	+18 9.1	2.011	2.964	6.0	18.2
12 7	2 48.08	+17 43.1	2.072	2.966	9.6	18.5
12 17	2 43.68	+17 24.3	2.157	2.968	12.7	18.7

215399 2002 DT_{17} 11 11.5 164.°51 0.°3/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.80	+20 2.7	1.664	2.497	15.5	21.4
10 18	3 31.52	+19 44.7	1.592	2.502	11.7	21.2
10 28	3 22.63	+19 15.9	1.544	2.506	7.2	21.0
11 7	3 12.05	+18 38.1	1.522	2.510	2.3	20.7
11 17	3 1.01	+17 54.9	1.528	2.512	2.7	20.7
11 27	2 50.87	+17 12.1	1.563	2.515	7.5	21.0
12 7	2 42.75	+16 35.4	1.624	2.516	11.9	21.3
12 17	2 37.37	+16 9.5	1.708	2.518	15.5	21.5

450570 2006 HE_{53} 11 11.5 253.°09 8.°1/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.51	−11 17.9	2.741	3.541	11.0	21.1
10 18	3 25.97	−12 7.5	2.667	3.524	9.5	21.0
10 28	3 18.90	−12 45.6	2.617	3.506	8.4	20.9
11 7	3 10.85	−13 7.4	2.593	3.488	8.1	20.9
11 17	3 2.47	−13 9.4	2.597	3.469	8.9	20.9
11 27	2 54.51	−12 49.9	2.626	3.450	10.3	20.9
12 7	2 47.63	−12 9.6	2.680	3.431	12.1	21.0
12 17	2 42.32	−11 10.5	2.754	3.411	13.7	21.2

415203 2012 HT_{12} 11 11.5 9.°60 4.°4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.82	+ 4 36.1	2.231	3.074	11.8	20.7
10 18	3 25.67	+ 4 10.1	2.163	3.074	9.0	20.5
10 28	3 18.79	+ 3 47.5	2.120	3.075	6.2	20.3
11 7	3 10.82	+ 3 31.8	2.104	3.075	4.4	20.2
11 17	3 2.54	+ 3 26.1	2.116	3.076	5.4	20.3
11 27	2 54.83	+ 3 32.9	2.158	3.077	8.0	20.5
12 7	2 48.42	+ 3 52.9	2.225	3.078	10.8	20.7
12 17	2 43.86	+ 4 25.9	2.316	3.079	13.4	20.8

49754 1999 VL_{172} 11 11.5 281.°60 1.°3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.79	+14 40.3	1.471	2.322	16.3	18.7
10 18	3 31.18	+14 41.4	1.396	2.316	12.3	18.5
10 28	3 22.66	+14 37.9	1.343	2.309	7.5	18.2
11 7	3 12.13	+14 31.6	1.315	2.303	2.5	17.9
11 17	3 0.89	+14 25.5	1.314	2.297	3.6	17.9
11 27	2 50.45	+14 23.5	1.340	2.290	8.7	18.2
12 7	2 42.14	+14 29.4	1.391	2.284	13.4	18.5
12 17	2 36.79	+14 45.6	1.463	2.278	17.4	18.7

471024 2009 SO_{298} 11 11.5 37.°83 1.°9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.25	+24 46.4	1.220	2.070	19.0	20.4
10 18	3 28.76	+24 16.9	1.165	2.081	14.5	20.1
10 28	3 21.15	+23 27.7	1.131	2.093	9.3	19.9
11 7	3 11.60	+22 21.6	1.120	2.105	3.8	19.6
11 17	3 1.67	+21 4.9	1.134	2.119	3.2	19.6
11 27	2 53.02	+19 47.1	1.173	2.132	8.4	20.0
12 7	2 46.90	+18 38.0	1.237	2.146	13.3	20.3
12 17	2 43.96	+17 44.2	1.321	2.161	17.5	20.6

137640 1999 WW_{12} 11 11.5 219.°82 1.°2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.34	+15 48.1	1.819	2.656	14.2	20.9
10 18	3 30.35	+15 25.7	1.735	2.649	10.7	20.7
10 28	3 21.93	+14 56.7	1.676	2.640	6.5	20.4
11 7	3 11.87	+14 23.4	1.643	2.631	2.2	20.1
11 17	3 1.23	+13 49.7	1.640	2.621	3.2	20.2
11 27	2 51.27	+13 20.2	1.665	2.611	7.7	20.4
12 7	2 43.05	+12 59.4	1.717	2.600	11.8	20.7
12 17	2 37.31	+12 50.4	1.791	2.589	15.4	20.9

187 Lamberta 11 11.5 198.°95 2.°2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.40	+25 13.2	2.575	3.375	11.6	13.6
10 18	3 29.12	+25 24.1	2.485	3.371	9.0	13.4
10 28	3 20.95	+25 25.3	2.419	3.367	6.0	13.2
11 7	3 11.53	+25 16.5	2.382	3.362	3.1	13.0
11 17	3 1.67	+24 58.5	2.376	3.356	2.6	12.9
11 27	2 52.29	+24 34.1	2.400	3.350	5.4	13.1
12 7	2 44.25	+24 7.1	2.453	3.343	8.5	13.3
12 17	2 38.12	+23 41.6	2.532	3.335	11.2	13.5

348781 2006 KB_{60} 11 11.5 301.°36 4.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.97	+10 22.9	1.570	2.430	15.0	20.5
10 18	3 26.69	+ 9 23.7	1.486	2.410	11.3	20.3
10 28	3 19.86	+ 8 19.6	1.424	2.390	7.3	20.0
11 7	3 11.26	+ 7 16.7	1.388	2.370	4.4	19.8
11 17	3 1.97	+ 6 21.8	1.379	2.350	6.0	19.8
11 27	2 53.30	+ 5 41.9	1.396	2.330	10.1	20.0
12 7	2 46.40	+ 5 21.3	1.437	2.311	14.3	20.2
12 17	2 42.09	+ 5 21.8	1.499	2.292	18.1	20.4

476870 2008 VO_{14} 11 11.5 2.°19 8.°0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 22.27	+31 31.7	0.863	1.733	23.1	19.6
10 18	3 21.93	+32 24.6	0.811	1.728	18.9	19.3
10 28	3 17.68	+32 48.2	0.774	1.726	14.1	19.0
11 7	3 10.67	+32 38.1	0.756	1.728	9.7	18.8
11 17	3 2.75	+31 55.0	0.756	1.732	8.1	18.8
11 27	2 56.17	+30 47.7	0.778	1.739	10.9	18.9
12 7	2 52.66	+29 30.0	0.819	1.750	15.5	19.2
12 17	2 53.08	+28 15.3	0.877	1.763	19.9	19.5

477358 2009 UB_{88} 11 11.5 31.°02 2.°3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.08	+14 31.0	1.087	1.961	19.0	20.5
10 18	3 28.67	+14 3.2	1.043	1.975	14.1	20.3
10 28	3 21.10	+13 28.8	1.019	1.989	8.6	20.0
11 7	3 11.59	+12 53.0	1.017	2.005	3.2	19.8
11 17	3 1.73	+12 21.7	1.040	2.022	4.6	19.9
11 27	2 53.22	+12 1.1	1.087	2.039	9.9	20.3
12 7	2 47.29	+11 55.6	1.156	2.058	14.8	20.6
12 17	2 44.59	+12 6.3	1.245	2.077	18.8	20.9

54801 2001 MT_{17} 11 11.5 157.°00 1.°0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.03	+21 48.9	1.892	2.716	14.3	20.2
10 18	3 30.68	+21 35.2	1.820	2.723	10.8	20.0
10 28	3 22.01	+21 10.5	1.771	2.730	6.8	19.7
11 7	3 11.86	+20 35.9	1.749	2.735	2.5	19.5
11 17	3 1.32	+19 54.5	1.756	2.741	2.4	19.5
11 27	2 51.59	+19 11.3	1.793	2.745	6.7	19.8
12 7	2 43.68	+18 31.6	1.857	2.749	10.6	20.0
12 17	2 38.23	+18 0.2	1.945	2.752	14.0	20.2

206398 2003 SJ_{45} 11 11.5 28.°71 0.°5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.10	+17 22.2	1.280	2.142	17.6	19.7
10 18	3 28.43	+17 15.9	1.229	2.154	13.1	19.5
10 28	3 20.88	+17 1.0	1.199	2.167	8.0	19.2
11 7	3 11.53	+16 40.2	1.192	2.181	2.4	18.9
11 17	3 1.79	+16 17.4	1.211	2.196	3.2	19.0
11 27	2 53.18	+15 58.0	1.256	2.212	8.5	19.4
12 7	2 46.91	+15 46.9	1.325	2.228	13.1	19.7
12 17	2 43.61	+15 47.1	1.415	2.246	17.0	20.0

371337 2006 KV_2 11 11.5 108.°04 3.°4/ 9.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.51	+10 20.1	1.461	2.311	16.5	21.0
10 18	3 32.78	+ 9 58.8	1.408	2.326	12.3	20.8
10 28	3 23.35	+ 9 36.5	1.377	2.341	7.7	20.6
11 7	3 12.28	+ 9 17.3	1.372	2.356	3.8	20.4
11 17	3 0.89	+ 9 5.4	1.394	2.370	5.0	20.5
11 27	2 50.63	+ 9 4.5	1.444	2.384	9.3	20.8
12 7	2 42.60	+ 9 16.7	1.519	2.397	13.4	21.1
12 17	2 37.45	+ 9 42.4	1.615	2.410	16.9	21.4

403720 2010 WX_{12} 11 11.5 309.°74 1.°5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.90	+14 41.8	2.028	2.871	12.7	21.5
10 18	3 26.01	+14 15.9	1.951	2.867	9.5	21.3
10 28	3 19.14	+13 44.9	1.898	2.863	5.8	21.0
11 7	3 10.98	+13 11.8	1.872	2.860	2.1	20.8
11 17	3 2.41	+12 40.0	1.876	2.856	3.1	20.9
11 27	2 54.45	+12 13.8	1.907	2.853	7.0	21.1
12 7	2 47.94	+11 56.5	1.966	2.849	10.6	21.3
12 17	2 43.51	+11 50.3	2.048	2.846	13.7	21.5

227161 2005 QT_{13} 11 11.5 58.°31 7.°2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.86	+ 4 43.2	1.292	2.158	17.2	20.1
10 18	3 28.62	+ 3 16.7	1.255	2.177	13.1	19.9
10 28	3 20.78	+ 1 55.2	1.240	2.197	9.2	19.8
11 7	3 11.45	+ 0 47.7	1.249	2.217	7.3	19.7
11 17	3 1.97	+ 0 1.9	1.283	2.237	8.7	19.9
11 27	2 53.69	− 0 17.7	1.342	2.257	12.1	20.1
12 7	2 47.63	− 0 10.9	1.423	2.278	15.6	20.4
12 17	2 44.33	+ 0 19.4	1.523	2.298	18.6	20.7

487445 2014 RG_{62} 11 11.5 35.°66 7.°5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.29	− 2 23.1	1.694	2.539	14.8	19.5
10 18	3 27.70	− 2 52.1	1.655	2.559	11.7	19.3
10 28	3 20.04	− 3 9.4	1.639	2.580	9.0	19.2
11 7	3 11.21	− 3 10.3	1.648	2.601	7.6	19.2
11 17	3 2.24	− 2 51.7	1.684	2.623	8.4	19.3
11 27	2 54.22	− 2 12.9	1.746	2.646	10.8	19.5
12 7	2 47.96	− 1 15.9	1.831	2.669	13.5	19.7
12 17	2 43.99	− 0 3.9	1.938	2.693	15.9	20.0

403428 2009 SJ_{132} 11 11.5 30.°86 0.°8/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.06	+16 20.1	1.927	2.770	13.3	21.1
10 18	3 26.16	+16 4.5	1.860	2.776	9.9	20.9
10 28	3 19.22	+15 43.1	1.817	2.782	6.0	20.7
11 7	3 11.00	+15 18.1	1.801	2.789	1.9	20.4
11 17	3 2.44	+14 52.9	1.813	2.796	2.7	20.5
11 27	2 54.58	+14 31.2	1.854	2.803	6.8	20.8
12 7	2 48.28	+14 16.7	1.921	2.811	10.4	21.0
12 17	2 44.14	+14 11.7	2.011	2.819	13.6	21.3

50461 2000 DZ_{58} 11 11.5 128.°18 0.°7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.63	+21 24.6	2.544	3.364	11.2	19.2
10 18	3 25.44	+21 9.5	2.469	3.371	8.4	19.0
10 28	3 18.62	+20 46.2	2.419	3.377	5.3	18.8
11 7	3 10.79	+20 16.1	2.397	3.383	1.9	18.6
11 17	3 2.70	+19 41.6	2.405	3.389	1.9	18.6
11 27	2 55.15	+19 6.1	2.444	3.395	5.2	18.8
12 7	2 48.84	+18 33.3	2.510	3.401	8.3	19.0
12 17	2 44.27	+18 6.3	2.603	3.406	10.9	19.2

266652 2008 TA_{30} 11 11.5 16.°98 0.°7/10.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.48	+17 17.8	2.110	2.951	12.4	20.6
10 18	3 24.86	+16 51.4	2.038	2.953	9.2	20.4
10 28	3 18.39	+16 18.2	1.990	2.955	5.6	20.2
11 7	3 10.74	+15 40.9	1.970	2.958	1.7	19.9
11 17	3 2.77	+15 2.8	1.978	2.961	2.5	20.0
11 27	2 55.41	+14 28.1	2.015	2.964	6.3	20.3
12 7	2 49.46	+14 0.6	2.079	2.968	9.8	20.5
12 17	2 45.46	+13 43.1	2.167	2.971	12.8	20.7

255118 2005 UX_{106} 11 11.5 26.°75 1.°4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.47	+14 54.1	1.807	2.655	13.8	20.4
10 18	3 26.58	+14 34.5	1.741	2.660	10.3	20.2
10 28	3 19.53	+14 9.8	1.699	2.665	6.2	20.0
11 7	3 11.11	+13 43.0	1.683	2.670	2.2	19.7
11 17	3 2.33	+13 17.5	1.694	2.676	3.2	19.8
11 27	2 54.29	+12 57.5	1.734	2.682	7.3	20.1
12 7	2 47.90	+12 46.5	1.800	2.688	11.1	20.3
12 17	2 43.78	+12 46.4	1.889	2.695	14.4	20.5

490222 2008 VC_{44} 11 11.5 35°.35 2°.7/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.76	+24 13.8	2.198	3.009	13.0	20.8
10 18	3 29.66	+24 58.9	2.124	3.016	10.1	20.6
10 28	3 21.41	+25 35.2	2.074	3.023	6.7	20.4
11 7	3 11.73	+26 1.3	2.052	3.030	3.6	20.2
11 17	3 1.57	+26 16.9	2.059	3.038	3.2	20.2
11 27	2 52.02	+26 23.7	2.095	3.045	6.1	20.4
12 7	2 44.00	+26 25.2	2.160	3.053	9.3	20.6
12 17	2 38.20	+26 25.2	2.250	3.062	12.2	20.8

28390 Demjohopkins 11 11.5 19°.55 5°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.67	+ 8 44.5	0.981	1.867	19.7	17.2
10 18	3 27.90	+ 7 54.5	0.937	1.873	14.8	16.9
10 28	3 20.79	+ 7 4.8	0.911	1.880	9.6	16.7
11 7	3 11.57	+ 6 23.8	0.907	1.889	5.9	16.5
11 17	3 1.90	+ 5 59.0	0.926	1.899	7.6	16.7
11 27	2 53.56	+ 5 56.1	0.967	1.910	12.3	17.0
12 7	2 47.89	+ 6 16.5	1.029	1.923	17.0	17.3
12 17	2 45.58	+ 6 58.2	1.109	1.936	21.0	17.6

403436 2009 SL_{206} 11 11.5 92°.98 3°.6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.03	+29 16.2	2.243	3.040	13.3	21.0
10 18	3 28.31	+29 31.7	2.170	3.050	10.5	20.9
10 28	3 20.53	+29 33.8	2.121	3.059	7.4	20.7
11 7	3 11.44	+29 21.5	2.098	3.069	4.5	20.5
11 17	3 1.99	+28 56.1	2.104	3.079	3.8	20.5
11 27	2 53.22	+28 20.9	2.140	3.088	6.0	20.7
12 7	2 46.03	+27 41.1	2.203	3.098	9.0	20.9
12 17	2 41.01	+27 1.8	2.290	3.107	11.8	21.1

324307 2006 DR_{141} 11 11.5 182°.85 2°.0/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.86	+12 2.2	2.619	3.455	10.4	21.3
10 18	3 24.79	+11 31.4	2.542	3.455	7.7	21.2
10 28	3 18.22	+10 58.1	2.492	3.455	4.8	21.0
11 7	3 10.69	+10 25.1	2.470	3.455	2.2	20.8
11 17	3 2.90	+ 9 55.4	2.479	3.454	3.2	20.9
11 27	2 55.58	+ 9 32.0	2.517	3.454	6.1	21.1
12 7	2 49.39	+ 9 17.3	2.584	3.453	8.9	21.3
12 17	2 44.79	+ 9 12.8	2.675	3.451	11.4	21.4

9081 Hideakianno 11 11.5 215°.86 1°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.23	+25 35.6	2.240	3.055	12.7	19.0
10 18	3 26.19	+25 12.1	2.158	3.053	9.8	18.8
10 28	3 19.23	+24 35.8	2.099	3.051	6.4	18.6
11 7	3 11.03	+23 47.8	2.067	3.050	3.0	18.4
11 17	3 2.49	+22 51.0	2.065	3.048	2.4	18.4
11 27	2 54.56	+21 50.2	2.092	3.046	5.7	18.6
12 7	2 48.07	+20 51.0	2.147	3.044	9.2	18.8
12 17	2 43.61	+19 58.3	2.228	3.042	12.2	19.0

364058 2005 WY_{184} 11 11.5 356°.30 0°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.58	+16 22.9	1.861	2.703	13.7	20.2
10 18	3 27.47	+16 23.2	1.787	2.702	10.3	20.0
10 28	3 20.14	+16 18.2	1.736	2.701	6.3	19.7
11 7	3 11.35	+16 9.3	1.712	2.700	2.0	19.5
11 17	3 2.09	+15 59.1	1.716	2.700	2.6	19.5
11 27	2 53.49	+15 50.7	1.748	2.699	6.9	19.8
12 7	2 46.53	+15 47.7	1.807	2.700	10.8	20.0
12 17	2 41.87	+15 52.5	1.889	2.700	14.2	20.2

84476 2002 TR_{264} 11 11.5 293°.65 5°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.41	+31 21.6	1.848	2.649	15.5	19.4
10 18	3 29.32	+31 44.5	1.757	2.636	12.5	19.2
10 28	3 21.54	+31 50.4	1.688	2.623	9.2	18.9
11 7	3 11.86	+31 37.0	1.644	2.610	6.1	18.7
11 17	3 1.43	+31 4.2	1.626	2.597	5.2	18.7
11 27	2 51.65	+30 16.0	1.636	2.585	7.6	18.8
12 7	2 43.76	+29 19.3	1.673	2.572	11.1	19.0
12 17	2 38.59	+28 21.9	1.732	2.560	14.5	19.2

121678 1999 XJ_{56} 11 11.5 332°.52 0°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.87	+19 1.3	1.863	2.706	13.7	19.7
10 18	3 25.52	+18 41.3	1.782	2.697	10.3	19.5
10 28	3 18.99	+18 12.2	1.724	2.689	6.3	19.2
11 7	3 11.00	+17 36.2	1.692	2.680	2.0	18.9
11 17	3 2.52	+16 56.9	1.688	2.673	2.5	18.9
11 27	2 54.65	+16 19.0	1.713	2.665	6.9	19.2
12 7	2 48.37	+15 47.3	1.763	2.659	10.9	19.4
12 17	2 44.33	+15 25.7	1.837	2.652	14.3	19.6

36770 2000 RU_{94} 11 11.5 108°.98 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.02	+16 16.2	1.510	2.354	16.3	19.5
10 18	3 32.38	+15 47.9	1.456	2.372	12.1	19.3
10 28	3 23.10	+15 12.0	1.425	2.390	7.3	19.1
11 7	3 12.24	+14 32.0	1.420	2.408	2.4	18.8
11 17	3 1.12	+13 52.5	1.443	2.425	3.5	19.0
11 27	2 51.14	+13 19.3	1.494	2.441	8.2	19.3
12 7	2 43.38	+12 56.9	1.570	2.457	12.5	19.6
12 17	2 38.44	+12 48.0	1.669	2.472	16.1	19.8

132808 2002 QN_{30} 11 11.5 39°.90 0°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.69	+16 25.8	1.996	2.838	13.0	19.9
10 18	3 25.79	+16 8.4	1.934	2.849	9.6	19.7
10 28	3 18.96	+15 45.2	1.896	2.861	5.8	19.5
11 7	3 10.94	+15 18.8	1.884	2.872	1.8	19.3
11 17	3 2.65	+14 52.2	1.902	2.884	2.6	19.4
11 27	2 55.06	+14 29.2	1.948	2.897	6.5	19.7
12 7	2 48.99	+14 13.2	2.020	2.910	10.0	19.9
12 17	2 44.97	+14 6.6	2.117	2.922	13.0	20.1

384682 2011 GX_{30} 11 11.5 286°.56 0°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.71	+18 29.9	1.504	2.354	16.1	21.9
10 18	3 28.99	+18 3.1	1.418	2.337	12.2	21.6
10 28	3 21.42	+17 25.0	1.354	2.320	7.5	21.3
11 7	3 11.84	+16 38.2	1.315	2.303	2.3	21.0
11 17	3 1.47	+15 47.2	1.302	2.286	3.2	21.0
11 27	2 51.78	+14 58.7	1.317	2.269	8.5	21.3
12 7	2 44.11	+14 19.6	1.356	2.253	13.4	21.5
12 17	2 39.31	+13 54.7	1.417	2.236	17.6	21.7

303193 2004 FO_{148} 11 11.5 229°.35 2°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.07	+10 46.2	2.443	3.273	11.3	21.0
10 18	3 28.87	+10 39.1	2.353	3.261	8.5	20.8
10 28	3 20.84	+10 31.3	2.287	3.249	5.3	20.6
11 7	3 11.57	+10 24.5	2.251	3.235	2.4	20.4
11 17	3 1.83	+10 21.1	2.245	3.221	3.3	20.4
11 27	2 52.53	+10 23.5	2.270	3.207	6.6	20.6
12 7	2 44.48	+10 33.4	2.324	3.192	9.8	20.8
12 17	2 38.28	+10 52.1	2.402	3.177	12.6	21.0

122771 2000 SF_{75} 11 11.5 38°.82 0°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.28	+17 33.4	1.718	2.561	14.7	19.3
10 18	3 28.79	+17 44.6	1.657	2.571	11.0	19.1
10 28	3 20.94	+17 49.5	1.619	2.583	6.7	18.9
11 7	3 11.59	+17 49.1	1.607	2.595	2.1	18.6
11 17	3 1.86	+17 45.3	1.622	2.607	2.6	18.7
11 27	2 52.98	+17 41.4	1.666	2.620	7.0	19.0
12 7	2 45.93	+17 41.0	1.737	2.633	11.0	19.3
12 17	2 41.37	+17 46.9	1.830	2.646	14.4	19.5

228985 2003 VR_{7} 11 11.5 19°.05 0°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.50	+17 31.4	1.728	2.578	14.3	19.9
10 18	3 25.20	+17 8.8	1.666	2.586	10.6	19.6
10 28	3 18.73	+16 38.5	1.628	2.594	6.4	19.4
11 7	3 10.89	+16 3.4	1.614	2.603	2.0	19.2
11 17	3 2.72	+15 27.5	1.629	2.613	2.8	19.2
11 27	2 55.33	+14 55.4	1.671	2.623	7.1	19.5
12 7	2 49.64	+14 31.7	1.739	2.634	11.0	19.8
12 17	2 46.23	+14 19.0	1.829	2.646	14.3	20.0

2322 Kitt Peak 11 11.5 19°.27 1°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.06	+17 35.9	1.343	2.200	17.2	16.4
10 18	3 29.22	+17 1.4	1.278	2.201	12.9	16.1
10 28	3 21.47	+16 16.1	1.235	2.202	7.8	15.8
11 7	3 11.81	+15 23.9	1.215	2.204	2.5	15.5
11 17	3 1.62	+14 30.7	1.222	2.206	3.6	15.6
11 27	2 52.43	+13 43.8	1.255	2.208	8.9	15.9
12 7	2 45.51	+13 9.4	1.313	2.210	13.7	16.2
12 17	2 41.58	+12 51.4	1.391	2.212	17.8	16.5

324859 2007 MS_{4} 11 11.5 287°.75 0°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.47	+19 19.4	2.216	3.050	12.1	20.7
10 18	3 24.85	+18 36.7	2.133	3.044	9.1	20.5
10 28	3 18.41	+17 44.7	2.075	3.038	5.5	20.2
11 7	3 10.81	+16 46.2	2.044	3.032	1.7	20.0
11 17	3 2.84	+15 45.3	2.043	3.026	2.3	20.0
11 27	2 55.44	+14 47.1	2.071	3.020	6.2	20.3
12 7	2 49.38	+13 56.2	2.127	3.015	9.7	20.5
12 17	2 45.23	+13 16.5	2.207	3.009	12.7	20.7

147550 2004 EQ_{63} 11 11.5 61°.35 1°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.48	+22 58.4	1.325	2.168	18.2	19.2
10 18	3 31.57	+22 48.2	1.279	2.191	13.8	19.0
10 28	3 22.73	+22 22.8	1.253	2.214	8.7	18.8
11 7	3 12.14	+21 44.2	1.252	2.238	3.4	18.6
11 17	3 1.34	+20 56.7	1.277	2.261	3.0	18.6
11 27	2 51.87	+20 7.5	1.328	2.285	8.0	19.0
12 7	2 44.89	+19 24.0	1.405	2.309	12.5	19.3
12 17	2 41.01	+18 51.6	1.503	2.332	16.3	19.6

454359 2014 MF_{17} 11 11.5 84°.85 7°.2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.74	− 2 25.4	2.163	3.001	12.2	21.0
10 18	3 24.88	− 3 35.3	2.109	3.006	9.9	20.9
10 28	3 18.33	− 4 37.3	2.079	3.012	7.9	20.7
11 7	3 10.76	− 5 25.7	2.076	3.017	7.2	20.7
11 17	3 2.95	− 5 55.7	2.101	3.022	8.2	20.8
11 27	2 55.76	− 6 4.7	2.151	3.027	10.2	20.9
12 7	2 49.89	− 5 52.5	2.226	3.032	12.5	21.1
12 17	2 45.85	− 5 21.0	2.321	3.037	14.6	21.3

40241 1998 VA_{46} 11 11.5 205°.46 7°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.05	+38 33.3	1.262	2.056	21.7	18.7
10 18	3 34.50	+38 5.2	1.186	2.054	18.0	18.5
10 28	3 25.04	+37 0.1	1.127	2.052	13.7	18.2
11 7	3 12.99	+35 14.3	1.090	2.050	9.4	18.0
11 17	3 0.31	+32 51.3	1.077	2.047	7.4	17.9
11 27	2 49.16	+30 4.3	1.091	2.044	9.8	18.0
12 7	2 41.16	+27 12.5	1.131	2.041	14.2	18.2
12 17	2 37.08	+24 33.4	1.193	2.037	18.6	18.5

223587 2004 FW_{140} 11 11.5 204°.67 0°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.00	+19 53.9	1.811	2.643	14.5	21.8
10 18	3 30.15	+19 33.0	1.731	2.640	11.0	21.6
10 28	3 21.85	+19 1.9	1.674	2.636	6.8	21.3
11 7	3 11.94	+18 22.2	1.643	2.631	2.2	21.0
11 17	3 1.51	+17 37.6	1.642	2.626	2.6	21.1
11 27	2 51.81	+16 53.3	1.669	2.620	7.2	21.3
12 7	2 43.90	+16 14.8	1.723	2.614	11.4	21.6
12 17	2 38.51	+15 46.7	1.800	2.607	14.9	21.8

9618 Johncleese 11 11.5 47°.50 1°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.65	+20 33.3	1.288	2.136	18.4	17.8
10 18	3 32.78	+21 5.3	1.233	2.148	13.9	17.6
10 28	3 23.70	+21 26.7	1.199	2.161	8.8	17.4
11 7	3 12.54	+21 36.8	1.189	2.175	3.5	17.1
11 17	3 0.85	+21 36.7	1.204	2.189	3.3	17.1
11 27	2 50.37	+21 30.7	1.246	2.203	8.4	17.5
12 7	2 42.46	+21 24.5	1.313	2.218	13.1	17.8
12 17	2 37.87	+21 23.2	1.400	2.232	17.1	18.1

272680 2005 XJ_{26} 11 11.5 173°.97 1°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.46	+16 19.8	1.929	2.765	13.6	21.7
10 18	3 29.48	+15 54.2	1.855	2.767	10.2	21.5
10 28	3 21.32	+15 21.9	1.806	2.770	6.2	21.3
11 7	3 11.75	+14 45.5	1.783	2.771	2.0	21.0
11 17	3 1.78	+14 8.6	1.790	2.772	2.9	21.1
11 27	2 52.53	+13 35.9	1.826	2.772	7.1	21.3
12 7	2 44.95	+13 11.5	1.889	2.772	10.9	21.6
12 17	2 39.67	+12 58.2	1.976	2.772	14.2	21.8

302737 2002 TC_{387} 11 11.5 18°.77 7°.1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.70	+ 6 48.2	1.345	2.220	16.1	20.0
10 18	3 24.17	+ 4 47.6	1.298	2.226	12.2	19.8
10 28	3 18.21	+ 2 47.0	1.274	2.234	8.7	19.7
11 7	3 10.77	+ 0 57.5	1.274	2.243	7.1	19.6
11 17	3 3.03	− 0 30.9	1.300	2.253	8.9	19.7
11 27	2 56.26	− 1 30.6	1.351	2.264	12.3	20.0
12 7	2 51.43	− 1 59.4	1.423	2.276	15.8	20.2
12 17	2 49.11	− 1 59.1	1.514	2.288	18.8	20.5

364844 2008 CF_{158} 11 11.5 332°.01 6°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 27.69	+ 6 23.0	1.424	2.295	15.5	20.2
10 18	3 24.40	+ 5 5.3	1.350	2.277	12.0	20.0
10 28	3 18.56	+ 3 46.3	1.297	2.259	8.4	19.7
11 7	3 10.96	+ 2 34.5	1.269	2.242	6.4	19.6
11 17	3 2.72	+ 1 38.2	1.267	2.226	8.1	19.6
11 27	2 55.16	+ 1 4.7	1.288	2.211	11.9	19.8
12 7	2 49.44	+ 0 57.2	1.332	2.198	15.8	20.0
12 17	2 46.33	+ 1 15.5	1.395	2.185	19.3	20.2

267996 2004 HQ_{27} 11 11.5 264°.36 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.58	+14 55.8	1.660	2.503	15.1	20.9
10 18	3 30.94	+14 45.6	1.570	2.486	11.4	20.7
10 28	3 22.57	+14 29.8	1.503	2.468	7.0	20.4
11 7	3 12.25	+14 10.7	1.462	2.449	2.4	20.0
11 17	3 1.11	+13 51.4	1.449	2.431	3.5	20.1
11 27	2 50.56	+13 36.5	1.464	2.412	8.3	20.3
12 7	2 41.86	+13 30.1	1.504	2.392	12.9	20.5
12 17	2 35.88	+13 35.2	1.567	2.373	16.9	20.7

480080 2015 DN_{206} 11 11.5 155°.49 0°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.43	+20 3.1	1.717	2.547	15.3	20.8
10 18	3 32.05	+20 13.2	1.645	2.552	11.6	20.6
10 28	3 23.06	+20 14.4	1.596	2.556	7.2	20.4
11 7	3 12.35	+20 7.0	1.573	2.560	2.6	20.1
11 17	3 1.11	+19 52.8	1.578	2.563	2.6	20.1
11 27	2 50.69	+19 35.8	1.613	2.566	7.2	20.4
12 7	2 42.26	+19 20.7	1.674	2.568	11.4	20.7
12 17	2 36.53	+19 11.8	1.758	2.571	15.0	20.9

374296 2005 SX_{41} 11 11.5 19°.40 1°.6/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.65	+22 39.8	1.039	1.908	20.2	19.4
10 18	3 27.28	+22 26.5	0.990	1.916	15.3	19.1
10 28	3 20.50	+21 55.2	0.959	1.926	9.7	18.9
11 7	3 11.56	+21 8.7	0.950	1.937	3.7	18.6
11 17	3 2.14	+20 12.7	0.965	1.950	3.4	18.6
11 27	2 54.05	+19 16.4	1.003	1.964	9.1	19.0
12 7	2 48.67	+18 28.8	1.063	1.980	14.3	19.3
12 17	2 46.69	+17 55.8	1.143	1.996	18.7	19.6

77243 2001 FD_{42} 11 11.5 60°.20 2°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.89	+22 58.1	1.284	2.128	18.6	18.4
10 18	3 32.09	+23 1.6	1.234	2.147	14.1	18.2
10 28	3 23.18	+22 50.2	1.205	2.166	9.0	18.0
11 7	3 12.36	+22 24.6	1.199	2.185	3.7	17.7
11 17	3 1.19	+21 48.3	1.220	2.204	3.3	17.8
11 27	2 51.35	+21 8.1	1.266	2.223	8.2	18.1
12 7	2 44.09	+20 31.4	1.337	2.243	12.9	18.4
12 17	2 40.05	+20 4.0	1.430	2.262	16.8	18.7

212391 2006 HG_{111} 11 11.5 176°.60 0°.9/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.57	+22 23.8	1.600	2.432	16.1	20.5
10 18	3 31.55	+21 57.2	1.527	2.434	12.3	20.3
10 28	3 22.80	+21 16.3	1.475	2.435	7.7	20.0
11 7	3 12.27	+20 23.0	1.450	2.436	2.8	19.7
11 17	3 1.23	+19 21.6	1.452	2.437	2.7	19.7
11 27	2 51.12	+18 19.0	1.483	2.437	7.6	20.0
12 7	2 43.13	+17 22.8	1.540	2.436	12.2	20.3
12 17	2 37.97	+16 38.5	1.620	2.434	16.0	20.5

15757 1992 EJ_{13} 11 11.5 281°.59 3°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.68	+13 5.8	1.548	2.404	15.3	18.1
10 18	3 27.97	+12 10.6	1.471	2.394	11.5	17.8
10 28	3 20.67	+11 8.4	1.416	2.383	7.2	17.6
11 7	3 11.63	+10 4.8	1.388	2.373	3.4	17.3
11 17	3 1.99	+ 9 6.1	1.386	2.362	5.0	17.4
11 27	2 53.10	+ 8 19.4	1.411	2.352	9.4	17.6
12 7	2 46.09	+ 7 49.6	1.461	2.341	13.7	17.9
12 17	2 41.72	+ 7 39.2	1.531	2.331	17.5	18.1

92121 1999 XN_{87} 11 11.5 335°.22 8°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.12	− 3 48.0	1.790	2.630	14.3	18.4
10 18	3 27.90	− 4 14.1	1.720	2.619	11.6	18.2
10 28	3 20.45	− 4 28.4	1.673	2.608	9.2	18.0
11 7	3 11.53	− 4 25.4	1.650	2.598	8.0	17.9
11 17	3 2.13	− 4 1.3	1.654	2.588	8.9	18.0
11 27	2 53.39	− 3 14.4	1.683	2.580	11.4	18.1
12 7	2 46.27	− 2 6.5	1.737	2.571	14.2	18.3
12 17	2 41.44	− 0 40.8	1.812	2.564	16.9	18.4

393757 2005 EV_{259} 11 11.5 171°.01 2°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.93	+13 50.9	2.021	2.864	12.8	21.9
10 18	3 26.74	+12 56.9	1.949	2.866	9.5	21.7
10 28	3 19.59	+11 57.2	1.902	2.867	5.8	21.4
11 7	3 11.23	+10 56.3	1.883	2.868	2.6	21.2
11 17	3 2.54	+ 9 59.0	1.893	2.869	3.8	21.3
11 27	2 54.51	+ 9 10.5	1.932	2.870	7.4	21.6
12 7	2 47.98	+ 8 34.8	1.997	2.870	10.9	21.8
12 17	2 43.51	+ 8 14.0	2.086	2.870	13.9	22.0

117501 2005 CQ_{22} 11 11.5 218°.62 7°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.14	+46 57.1	2.923	3.602	13.0	20.1
10 18	3 31.64	+47 44.0	2.829	3.596	11.4	19.9
10 28	3 22.78	+48 12.8	2.756	3.590	9.9	19.8
11 7	3 12.29	+48 19.8	2.707	3.583	8.5	19.7
11 17	3 1.17	+48 3.3	2.683	3.576	7.9	19.7
11 27	2 50.61	+47 24.6	2.686	3.568	8.2	19.7
12 7	2 41.67	+46 28.2	2.715	3.560	9.3	19.7
12 17	2 35.09	+45 20.7	2.770	3.552	10.9	19.8

447590 2006 UW_{43} 11 11.5 134°.73 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.73	+18 37.9	2.070	2.901	13.0	21.5
10 18	3 28.12	+18 30.6	1.997	2.906	9.7	21.3
10 28	3 20.48	+18 16.1	1.948	2.910	6.0	21.0
11 7	3 11.53	+17 55.9	1.927	2.914	1.9	20.8
11 17	3 2.21	+17 32.4	1.934	2.919	2.3	20.8
11 27	2 53.55	+17 9.4	1.971	2.922	6.3	21.1
12 7	2 46.42	+16 50.6	2.036	2.926	9.9	21.3
12 17	2 41.44	+16 39.1	2.124	2.930	13.0	21.5

205112 1999 UQ_{52} 11 11.5 14°.09 7°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.13	+ 4 36.8	1.234	2.108	17.2	19.1
10 18	3 26.24	+ 3 36.9	1.186	2.113	13.2	18.9
10 28	3 19.62	+ 2 41.9	1.158	2.119	9.3	18.7
11 7	3 11.29	+ 1 59.8	1.153	2.125	7.1	18.6
11 17	3 2.56	+ 1 37.4	1.173	2.134	8.5	18.7
11 27	2 54.88	+ 1 39.1	1.216	2.143	12.1	18.9
12 7	2 49.35	+ 2 5.2	1.282	2.153	15.9	19.2
12 17	2 46.63	+ 2 52.8	1.366	2.165	19.2	19.4

246744 2009 BS_{82} 11 11.5 331°.33 8°.2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.24	− 2 55.6	1.712	2.554	14.8	19.9
10 18	3 28.72	− 3 40.7	1.651	2.551	11.9	19.7
10 28	3 20.93	− 4 15.2	1.613	2.549	9.4	19.6
11 7	3 11.69	− 4 32.5	1.599	2.547	8.2	19.5
11 17	3 2.05	− 4 28.1	1.612	2.546	9.2	19.6
11 27	2 53.17	− 3 59.7	1.651	2.544	11.7	19.7
12 7	2 46.04	− 3 8.7	1.713	2.542	14.6	19.9
12 17	2 41.28	− 1 58.4	1.795	2.541	17.3	20.1

70602 1999 TD_{188} 11 11.5 204°.75 5°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.30	+34 22.1	2.032	2.811	15.0	19.0
10 18	3 30.47	+34 32.2	1.946	2.808	12.3	18.8
10 28	3 22.12	+34 23.3	1.882	2.805	9.2	18.6
11 7	3 12.10	+33 53.4	1.844	2.802	6.4	18.5
11 17	3 1.54	+33 3.3	1.833	2.798	5.4	18.4
11 27	2 51.74	+31 57.4	1.850	2.794	7.2	18.5
12 7	2 43.81	+30 43.1	1.895	2.790	10.3	18.7
12 17	2 38.46	+29 28.4	1.964	2.785	13.3	18.9

10417 1998 WA_{23} 11 11.5 216°.03 0°.1/11.5 18

10 8	3 30.58	+18 57.9	2.709	3.532	10.5	18.8
10 18	3 25.43	+18 40.7	2.621	3.526	7.9	18.6
10 28	3 18.71	+18 17.1	2.559	3.520	4.8	18.4
11 7	3 10.97	+17 48.5	2.526	3.514	1.5	18.1
11 17	3 2.91	+17 17.3	2.523	3.507	1.9	18.2
11 27	2 55.28	+16 46.4	2.551	3.500	5.2	18.4
12 7	2 48.77	+16 19.3	2.607	3.493	8.2	18.6
12 17	2 43.88	+15 58.5	2.689	3.485	10.8	18.7

185776 1999 TW_{269} 11 11.5 59°.36 1°.9/12.9 18

10 8	3 31.65	+25 28.4	1.999	2.820	13.8	19.6
10 18	3 26.64	+25 4.8	1.931	2.830	10.6	19.5
10 28	3 19.58	+24 27.6	1.886	2.840	6.9	19.3
11 7	3 11.25	+23 38.4	1.868	2.851	3.1	19.0
11 17	3 2.63	+22 40.4	1.878	2.861	2.5	19.0
11 27	2 54.78	+21 39.2	1.917	2.872	6.1	19.3
12 7	2 48.57	+20 40.7	1.984	2.883	9.7	19.5
12 17	2 44.54	+19 50.0	2.075	2.894	12.8	19.7

244811 2003 ST_{309} 11 11.5 120°.85 3°.8/ 8.0 18

10 8	3 29.22	+ 7 55.4	2.453	3.295	10.8	20.4
10 18	3 24.35	+ 6 43.9	2.391	3.304	8.1	20.3
10 28	3 17.98	+ 5 31.9	2.356	3.313	5.4	20.1
11 7	3 10.72	+ 4 24.1	2.349	3.322	3.8	20.0
11 17	3 3.27	+ 3 25.2	2.372	3.331	4.9	20.1
11 27	2 56.37	+ 2 39.2	2.424	3.339	7.5	20.3
12 7	2 50.67	+ 2 8.4	2.503	3.347	10.1	20.5
12 17	2 46.59	+ 1 53.5	2.605	3.355	12.4	20.6

143693 2003 UM_{21} 11 11.5 14°.84 6°.6/ 8.7 18

10 8	3 33.70	+ 5 54.8	1.172	2.045	18.1	19.6
10 18	3 29.12	+ 5 3.0	1.119	2.046	13.8	19.4
10 28	3 21.51	+ 4 14.5	1.086	2.049	9.4	19.2
11 7	3 11.93	+ 3 37.0	1.076	2.052	6.6	19.0
11 17	3 1.84	+ 3 17.6	1.090	2.056	8.1	19.1
11 27	2 52.86	+ 3 21.0	1.128	2.061	12.2	19.4
12 7	2 46.27	+ 3 47.9	1.188	2.066	16.4	19.6
12 17	2 42.80	+ 4 36.1	1.267	2.071	20.1	19.9

483267 2015 TG_{178} 11 11.5 43°.73 10°.3/ 8.1 17

10 8	3 37.06	− 7 22.7	1.436	2.274	17.3	19.8
10 18	3 30.71	− 7 59.8	1.408	2.300	14.2	19.7
10 28	3 21.98	− 8 18.1	1.400	2.325	11.5	19.6
11 7	3 11.96	− 8 11.4	1.417	2.352	10.3	19.6
11 17	3 1.91	− 7 37.2	1.457	2.379	11.0	19.7
11 27	2 53.09	− 6 36.2	1.523	2.406	13.2	19.9
12 7	2 46.43	− 5 13.0	1.611	2.434	15.7	20.1
12 17	2 42.40	− 3 33.3	1.719	2.462	18.0	20.4

509448 2007 GH_{76} 11 11.5 213°.29 0°.3/11.7 18

10 8	3 36.64	+19 0.7	1.915	2.745	14.0	22.4
10 18	3 30.59	+18 56.9	1.832	2.739	10.5	22.2
10 28	3 22.16	+18 45.0	1.772	2.733	6.5	21.9
11 7	3 12.13	+18 26.1	1.739	2.727	2.1	21.6
11 17	3 1.54	+18 2.6	1.735	2.720	2.5	21.6
11 27	2 51.59	+17 38.4	1.761	2.712	6.9	21.9
12 7	2 43.34	+17 18.0	1.814	2.704	10.9	22.1
12 17	2 37.50	+17 5.2	1.890	2.696	14.4	22.3

136358 2004 DB_{3} 11 11.5 358°.36 1°.4/12.3 18

10 8	3 33.16	+21 40.4	1.644	2.483	15.4	19.7
10 18	3 28.30	+21 43.3	1.571	2.482	11.7	19.5
10 28	3 20.88	+21 35.1	1.520	2.481	7.5	19.2
11 7	3 11.75	+21 16.6	1.494	2.480	2.9	18.9
11 17	3 2.07	+20 50.2	1.495	2.480	2.7	18.9
11 27	2 53.16	+20 20.6	1.524	2.480	7.2	19.2
12 7	2 46.17	+19 53.3	1.579	2.481	11.5	19.5
12 17	2 41.80	+19 33.1	1.656	2.482	15.2	19.7

151610 2002 VU_{79} 11 11.5 353°.62 4°.7/ 9.7 18

10 8	3 33.32	+ 8 33.8	1.175	2.048	18.0	19.3
10 18	3 29.02	+ 8 11.4	1.113	2.043	13.7	19.1
10 28	3 21.58	+ 7 50.1	1.072	2.039	8.8	18.8
11 7	3 12.01	+ 7 35.5	1.054	2.037	5.0	18.6
11 17	3 1.77	+ 7 32.8	1.060	2.035	6.4	18.7
11 27	2 52.52	+ 7 46.3	1.090	2.034	11.1	18.9
12 7	2 45.66	+ 8 17.5	1.142	2.034	15.8	19.2
12 17	2 42.01	+ 9 5.6	1.214	2.035	19.9	19.5

55637 2002 UX_{25} 11 11.5 301°.38 0°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 10.02	+ 9 37.1	39.387	40.222	0.8	19.7
10 18	3 9.33	+ 9 32.5	39.307	40.219	0.6	19.7
10 28	3 8.56	+ 9 27.9	39.254	40.215	0.4	19.7
11 7	3 7.75	+ 9 23.5	39.231	40.212	0.2	19.6
11 17	3 6.93	+ 9 19.3	39.237	40.208	0.3	19.7
11 27	3 6.12	+ 9 15.6	39.275	40.205	0.5	19.7
12 7	3 5.36	+ 9 12.5	39.341	40.201	0.7	19.7
12 17	3 4.68	+ 9 10.1	39.434	40.197	0.9	19.7

408084 2012 HD_{52} 11 11.5 227°.37 1°.3/10.4 18

10 8	3 29.47	+15 57.0	2.358	3.196	11.4	20.9
10 18	3 24.74	+15 11.3	2.280	3.193	8.5	20.7
10 28	3 18.35	+14 19.5	2.227	3.191	5.1	20.5
11 7	3 10.89	+13 24.6	2.201	3.189	1.9	20.3
11 17	3 3.14	+12 30.6	2.206	3.186	2.8	20.3
11 27	2 55.91	+11 42.0	2.240	3.184	6.2	20.5
12 7	2 49.93	+11 2.4	2.302	3.181	9.4	20.7
12 17	2 45.71	+10 34.5	2.389	3.178	12.2	20.9

179168 2001 TX_{83} 11 11.5 18°.32 3°.9/13.9 18

10 8	3 34.12	+28 36.5	1.834	2.645	15.2	20.3
10 18	3 28.92	+28 51.9	1.758	2.647	12.0	20.1
10 28	3 21.22	+28 51.9	1.704	2.648	8.4	19.9
11 7	3 11.86	+28 35.4	1.676	2.650	5.0	19.7
11 17	3 1.98	+28 3.6	1.675	2.652	4.1	19.6
11 27	2 52.86	+27 21.0	1.702	2.654	7.0	19.8
12 7	2 45.61	+26 33.9	1.755	2.656	10.6	20.0
12 17	2 40.93	+25 48.8	1.832	2.659	13.9	20.2

22604 1998 HG_{138} 11 11.5 55°.95 0°.2/11.5 18

10 8	3 41.87	+15 2.0	1.448	2.291	17.0	17.9
10 18	3 34.70	+15 43.6	1.399	2.313	12.6	17.7
10 28	3 24.69	+16 21.3	1.372	2.336	7.7	17.5
11 7	3 12.91	+16 54.9	1.372	2.360	2.4	17.2
11 17	3 0.81	+17 24.5	1.399	2.383	2.9	17.3
11 27	2 49.90	+17 52.0	1.454	2.407	7.9	17.7
12 7	2 41.37	+18 20.1	1.536	2.431	12.2	18.0
12 17	2 35.87	+18 51.3	1.640	2.454	15.8	18.3

46360 2001 TA_{105} 11 11.5 247°.62 1°.0/12.1 18

10 8	3 35.87	+21 22.2	1.832	2.661	14.5	19.7
10 18	3 30.24	+21 16.5	1.742	2.648	11.1	19.4
10 28	3 22.09	+21 0.1	1.675	2.635	7.0	19.1
11 7	3 12.17	+20 33.6	1.635	2.621	2.6	18.8
11 17	3 1.57	+19 59.6	1.622	2.607	2.5	18.8
11 27	2 51.58	+19 22.5	1.639	2.592	7.1	19.1
12 7	2 43.34	+18 48.0	1.683	2.578	11.3	19.3
12 17	2 37.65	+18 21.0	1.749	2.562	15.0	19.5

287794 2003 SU_{146} 11 11.5 53°.94 1°.0/12.1 18

10 8	3 35.83	+22 45.1	1.169	2.023	19.4	19.9
10 18	3 30.73	+22 11.5	1.122	2.040	14.6	19.6
10 28	3 22.43	+21 20.3	1.094	2.058	9.1	19.4
11 7	3 12.22	+20 15.3	1.089	2.077	3.2	19.1
11 17	3 1.71	+19 3.3	1.110	2.095	3.1	19.1
11 27	2 52.62	+17 53.6	1.156	2.114	8.7	19.5
12 7	2 46.18	+16 55.1	1.226	2.133	13.7	19.9
12 17	2 43.01	+16 13.3	1.317	2.153	17.8	20.2

226564 2003 WP_{70} 11 11.5 87°.88 1°.9/13.5 16

10 8	3 33.16	+28 42.1	2.455	3.250	12.3	20.3
10 18	3 27.27	+27 41.5	2.389	3.272	9.4	20.2
10 28	3 19.74	+26 26.1	2.348	3.295	6.2	20.0
11 7	3 11.30	+24 58.3	2.337	3.317	3.0	19.9
11 17	3 2.81	+23 22.7	2.356	3.338	2.3	19.8
11 27	2 55.10	+21 45.2	2.407	3.360	5.2	20.1
12 7	2 48.85	+20 12.1	2.488	3.381	8.2	20.3
12 17	2 44.50	+18 48.7	2.596	3.402	10.9	20.5

155308 2005 YA_{137} 11 11.5 190°.18 1°.3/12.6 18

10 8	3 31.59	+23 26.2	2.555	3.368	11.4	21.0
10 18	3 26.30	+23 13.2	2.471	3.367	8.6	20.8
10 28	3 19.31	+22 50.7	2.412	3.366	5.6	20.6
11 7	3 11.24	+22 19.6	2.381	3.365	2.3	20.4
11 17	3 2.82	+21 42.1	2.379	3.363	2.0	20.4
11 27	2 54.92	+21 1.6	2.409	3.361	5.2	20.6
12 7	2 48.28	+20 22.3	2.466	3.359	8.3	20.8
12 17	2 43.41	+19 47.9	2.550	3.356	11.1	21.0

180916 2005 LU_{9} 11 11.5 229°.93 3°.2/ 9.7 18

10 8	3 34.31	+13 4.1	1.521	2.375	15.7	20.5
10 18	3 29.18	+12 6.9	1.450	2.372	11.7	20.3
10 28	3 21.44	+11 3.2	1.402	2.368	7.3	20.0
11 7	3 11.97	+ 9 58.3	1.379	2.364	3.5	19.8
11 17	3 1.98	+ 8 59.1	1.384	2.360	5.0	19.9
11 27	2 52.82	+ 8 12.5	1.415	2.355	9.4	20.1
12 7	2 45.64	+ 7 43.2	1.472	2.351	13.7	20.4
12 17	2 41.16	+ 7 33.3	1.549	2.346	17.4	20.6

335329 2005 QM_{155} 11 11.5 95°.25 5°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.94	+ 6 13.1	1.517	2.371	15.7	20.8
10 18	3 30.16	+ 5 27.3	1.463	2.381	11.9	20.6
10 28	3 21.89	+ 4 44.1	1.432	2.391	8.0	20.4
11 7	3 12.07	+ 4 9.3	1.425	2.400	5.5	20.3
11 17	3 1.93	+ 3 48.2	1.446	2.410	6.7	20.4
11 27	2 52.76	+ 3 44.7	1.493	2.419	10.3	20.6
12 7	2 45.60	+ 4 0.0	1.564	2.429	13.9	20.9
12 17	2 41.07	+ 4 32.9	1.656	2.438	17.1	21.1

113680 2002 TY_{108} 11 11.5 122°.07 1°.0/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.89	+19 13.9	1.915	2.742	14.1	19.7
10 18	3 31.50	+19 40.8	1.841	2.746	10.6	19.5
10 28	3 22.73	+20 1.2	1.791	2.750	6.7	19.3
11 7	3 12.39	+20 14.8	1.768	2.754	2.4	19.0
11 17	3 1.52	+20 22.2	1.774	2.758	2.4	19.0
11 27	2 51.35	+20 26.0	1.809	2.762	6.6	19.3
12 7	2 42.93	+20 29.5	1.873	2.766	10.5	19.5
12 17	2 36.96	+20 36.1	1.960	2.769	13.8	19.8

349487 2008 EZ_{163} 11 11.5 309°.05 3°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.53	+11 31.2	1.776	2.631	13.7	20.1
10 18	3 25.33	+10 11.1	1.698	2.620	10.3	19.9
10 28	3 18.97	+ 8 45.0	1.645	2.610	6.6	19.7
11 7	3 11.20	+ 7 19.1	1.619	2.599	4.0	19.5
11 17	3 2.97	+ 6 0.7	1.620	2.589	5.5	19.6
11 27	2 55.37	+ 4 56.8	1.649	2.579	9.2	19.8
12 7	2 49.36	+ 4 12.1	1.703	2.570	12.9	20.0
12 17	2 45.56	+ 3 48.4	1.779	2.560	16.1	20.2

188443 2004 GA_{34} 11 11.5 100°.55 2°.3/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.72	+12 35.6	1.804	2.642	14.4	20.7
10 18	3 31.75	+12 9.2	1.756	2.668	10.6	20.5
10 28	3 22.63	+11 39.8	1.731	2.694	6.5	20.3
11 7	3 12.28	+11 10.9	1.734	2.720	2.8	20.2
11 17	3 1.79	+10 46.1	1.767	2.745	3.8	20.3
11 27	2 52.29	+10 29.2	1.828	2.769	7.6	20.6
12 7	2 44.67	+10 23.0	1.917	2.792	11.2	20.8
12 17	2 39.45	+10 28.6	2.028	2.814	14.2	21.1

82211 2001 HG_{46} 11 11.5 104°.27 3°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.35	+11 56.4	1.598	2.447	15.3	19.8
10 18	3 30.33	+11 9.2	1.544	2.463	11.4	19.6
10 28	3 21.93	+10 18.7	1.514	2.478	7.1	19.4
11 7	3 12.09	+ 9 29.7	1.510	2.494	3.5	19.2
11 17	3 2.00	+ 8 47.7	1.533	2.508	4.8	19.3
11 27	2 52.90	+ 8 17.8	1.585	2.523	8.8	19.6
12 7	2 45.78	+ 8 3.1	1.661	2.537	12.6	19.9
12 17	2 41.21	+ 8 4.8	1.760	2.551	15.9	20.1

430950 2005 UM_{361} 11 11.5 104°.26 0°.9/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.89	+17 52.2	1.735	2.572	14.9	22.0
10 18	3 30.56	+17 9.5	1.681	2.593	11.0	21.8
10 28	3 21.99	+16 18.0	1.650	2.614	6.6	21.6
11 7	3 12.09	+15 21.6	1.646	2.634	2.1	21.3
11 17	3 2.02	+14 25.1	1.672	2.654	3.0	21.4
11 27	2 52.94	+13 34.5	1.726	2.674	7.3	21.8
12 7	2 45.77	+12 54.6	1.807	2.692	11.2	22.0
12 17	2 41.08	+12 28.5	1.911	2.710	14.5	22.3

66181 1998 WL_{17} 11 11.5 326°.51 0°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.74	+19 23.0	1.302	2.158	17.7	19.3
10 18	3 29.47	+19 28.4	1.225	2.146	13.5	19.0
10 28	3 22.02	+19 23.5	1.168	2.134	8.5	18.7
11 7	3 12.28	+19 9.1	1.135	2.123	2.9	18.3
11 17	3 1.65	+18 47.8	1.128	2.113	3.1	18.3
11 27	2 51.83	+18 25.2	1.145	2.103	8.8	18.6
12 7	2 44.30	+18 7.4	1.187	2.094	14.0	18.9
12 17	2 40.02	+17 59.5	1.249	2.086	18.4	19.1

325635 2009 SB_{287} 11 11.5 224°.84 2°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.78	+27 54.2	2.396	3.197	12.4	21.4
10 18	3 27.43	+28 0.3	2.310	3.193	9.7	21.2
10 28	3 20.14	+27 54.2	2.247	3.189	6.7	21.0
11 7	3 11.56	+27 35.5	2.211	3.186	3.8	20.8
11 17	3 2.55	+27 5.6	2.204	3.182	3.2	20.7
11 27	2 54.08	+26 27.5	2.227	3.178	5.7	20.9
12 7	2 47.00	+25 46.2	2.277	3.173	8.7	21.1
12 17	2 41.93	+25 6.3	2.354	3.169	11.6	21.3

130199 2000 AC_{161} 11 11.5 309°.66 0°.4/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.79	+19 15.0	2.040	2.875	13.0	19.9
10 18	3 26.96	+19 15.4	1.951	2.861	9.9	19.7
10 28	3 19.99	+19 8.5	1.885	2.847	6.1	19.4
11 7	3 11.56	+18 55.2	1.847	2.834	2.1	19.1
11 17	3 2.56	+18 37.5	1.836	2.821	2.3	19.1
11 27	2 54.06	+18 18.8	1.855	2.808	6.4	19.4
12 7	2 47.02	+18 3.0	1.900	2.796	10.2	19.6
12 17	2 42.14	+17 53.7	1.970	2.783	13.6	19.8

324165 2005 YT_{264} 11 11.5 220°.50 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.58	+19 9.0	2.286	3.116	12.0	21.5
10 18	3 26.46	+18 55.3	2.206	3.114	9.0	21.3
10 28	3 19.50	+18 34.3	2.150	3.112	5.5	21.1
11 7	3 11.36	+18 7.6	2.122	3.110	1.8	20.8
11 17	3 2.84	+17 37.7	2.124	3.108	2.1	20.8
11 27	2 54.86	+17 8.1	2.155	3.106	5.8	21.1
12 7	2 48.23	+16 42.6	2.214	3.104	9.2	21.3
12 17	2 43.50	+16 24.4	2.297	3.101	12.2	21.5

393752 2005 EZ_{221} 11 11.6 175°.74 0°.1/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.94	+19 42.9	2.199	3.025	12.5	22.1
10 18	3 28.24	+19 20.8	2.121	3.027	9.4	21.9
10 28	3 20.59	+18 50.2	2.067	3.028	5.8	21.6
11 7	3 11.70	+18 13.0	2.042	3.029	1.9	21.4
11 17	3 2.45	+17 32.1	2.046	3.030	2.2	21.4
11 27	2 53.83	+16 51.8	2.080	3.030	6.1	21.7
12 7	2 46.66	+16 16.4	2.142	3.030	9.6	21.9
12 17	2 41.54	+15 49.5	2.228	3.029	12.6	22.1

79094 1981 ED_{13} 11 11.6 340°.93 4°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.64	+29 9.9	1.604	2.425	16.6	19.0
10 18	3 28.27	+29 27.7	1.525	2.418	13.2	18.8
10 28	3 21.09	+29 28.0	1.466	2.411	9.4	18.6
11 7	3 11.95	+29 9.3	1.431	2.404	5.7	18.3
11 17	3 2.11	+28 32.4	1.422	2.399	4.7	18.3
11 27	2 53.05	+27 42.3	1.439	2.394	7.7	18.4
12 7	2 46.04	+26 46.8	1.482	2.389	11.7	18.7
12 17	2 41.90	+25 53.8	1.548	2.386	15.4	18.9

154911 2004 RK_{343} 11 11.6 75°.99 5°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.43	+ 2 46.3	2.103	2.946	12.4	19.5
10 18	3 26.23	+ 2 2.0	2.047	2.956	9.5	19.3
10 28	3 19.28	+ 1 22.2	2.015	2.965	6.8	19.2
11 7	3 11.27	+ 0 51.8	2.010	2.975	5.4	19.1
11 17	3 3.01	+ 0 34.5	2.034	2.984	6.4	19.2
11 27	2 55.41	+ 0 33.0	2.085	2.993	8.8	19.4
12 7	2 49.21	+ 0 47.9	2.161	3.003	11.5	19.6
12 17	2 44.91	+ 1 18.2	2.260	3.012	14.0	19.8

155146 2005 UF_{29} 11 11.6 331°.63 0°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.56	+19 1.0	1.291	2.152	17.5	19.9
10 18	3 27.77	+18 39.0	1.216	2.140	13.2	19.6
10 28	3 20.92	+18 4.7	1.162	2.129	8.2	19.3
11 7	3 11.93	+17 20.7	1.131	2.119	2.6	19.0
11 17	3 2.16	+16 32.0	1.125	2.110	3.3	19.0
11 27	2 53.24	+15 46.0	1.144	2.101	9.0	19.3
12 7	2 46.56	+15 10.0	1.187	2.093	14.1	19.6
12 17	2 42.99	+14 48.9	1.250	2.086	18.5	19.8

118058 4175 $T\text{-}_2$ 11 11.6 62°.55 4°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.72	+25 59.5	1.211	2.045	20.1	19.3
10 18	3 36.09	+26 47.9	1.164	2.067	15.6	19.1
10 28	3 25.90	+27 18.9	1.137	2.089	10.6	18.8
11 7	3 13.43	+27 29.6	1.132	2.111	5.9	18.7
11 17	3 0.52	+27 20.2	1.153	2.133	5.0	18.7
11 27	2 49.11	+26 56.5	1.200	2.155	8.9	19.0
12 7	2 40.67	+26 27.1	1.271	2.177	13.4	19.3
12 17	2 35.92	+26 0.1	1.363	2.199	17.2	19.6

462799 2010 PT_{58} 11 11.6 65°.22 5°.0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.50	+10 0.0	1.156	2.023	18.7	20.9
10 18	3 31.68	+ 8 57.5	1.119	2.045	13.9	20.7
10 28	3 22.90	+ 7 53.9	1.102	2.068	8.9	20.5
11 7	3 12.41	+ 6 57.1	1.109	2.091	5.1	20.4
11 17	3 1.79	+ 6 14.5	1.142	2.114	6.7	20.5
11 27	2 52.59	+ 5 51.6	1.200	2.137	11.0	20.8
12 7	2 45.96	+ 5 50.5	1.280	2.160	15.3	21.2
12 17	2 42.44	+ 6 10.1	1.380	2.183	18.9	21.5

442893 2013 BJ_{69} 11 11.6 358°.43 7°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.47	+34 33.4	1.482	2.286	18.5	20.8
10 18	3 30.02	+35 15.6	1.409	2.284	15.3	20.6
10 28	3 22.33	+35 35.5	1.355	2.282	11.7	20.4
11 7	3 12.38	+35 29.1	1.324	2.281	8.5	20.2
11 17	3 1.64	+34 55.5	1.317	2.281	7.3	20.1
11 27	2 51.86	+33 59.7	1.336	2.282	9.3	20.2
12 7	2 44.51	+32 51.0	1.379	2.283	12.7	20.4
12 17	2 40.46	+31 39.7	1.443	2.285	16.1	20.7

301360 2009 CE_{39} 11 11.6 181°.56 7°.3/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.84	− 1 37.9	2.070	2.908	12.7	20.7
10 18	3 26.63	− 2 54.6	2.010	2.909	10.2	20.5
10 28	3 19.58	− 4 4.4	1.975	2.909	8.1	20.4
11 7	3 11.38	− 5 0.8	1.966	2.909	7.3	20.3
11 17	3 2.89	− 5 38.4	1.985	2.909	8.4	20.4
11 27	2 55.01	− 5 54.0	2.030	2.908	10.6	20.5
12 7	2 48.55	− 5 47.0	2.099	2.907	13.1	20.7
12 17	2 44.05	− 5 19.2	2.188	2.906	15.4	20.9

186657 2003 WN_{138} 11 11.6 349°.10 1°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.62	+23 58.9	1.170	2.028	19.2	19.7
10 18	3 28.04	+23 29.3	1.103	2.023	14.7	19.5
10 28	3 21.16	+22 39.5	1.054	2.018	9.4	19.2
11 7	3 12.01	+21 31.5	1.028	2.015	3.7	18.8
11 17	3 2.16	+20 11.6	1.027	2.012	3.3	18.8
11 27	2 53.39	+18 49.9	1.050	2.010	9.0	19.1
12 7	2 47.15	+17 37.2	1.096	2.009	14.4	19.4
12 17	2 44.25	+16 41.2	1.163	2.009	18.9	19.7

404106 2012 HX_{36} 11 11.6 342°.50 4°.9/ 7.9 18

10 8	3 28.74	+ 6 1.5	2.027	2.879	12.4	20.5
10 18	3 24.43	+ 4 59.8	1.959	2.875	9.5	20.3
10 28	3 18.30	+ 3 59.0	1.914	2.871	6.5	20.1
11 7	3 11.00	+ 3 4.4	1.897	2.868	4.9	20.0
11 17	3 3.36	+ 2 21.2	1.908	2.865	6.1	20.1
11 27	2 56.30	+ 1 53.7	1.946	2.862	8.9	20.2
12 7	2 50.60	+ 1 43.9	2.009	2.860	11.9	20.4
12 17	2 46.82	+ 1 51.9	2.094	2.858	14.6	20.6

101303 1998 SE_{133} 11 11.6 71°.27 1°.0/12.1 18

10 8	3 37.47	+21 50.9	1.400	2.242	17.5	19.6
10 18	3 31.56	+21 33.0	1.350	2.262	13.2	19.4
10 28	3 22.84	+21 1.5	1.320	2.282	8.2	19.2
11 7	3 12.44	+20 18.5	1.316	2.303	2.9	18.9
11 17	3 1.77	+19 28.8	1.338	2.323	2.8	19.0
11 27	2 52.33	+18 39.3	1.388	2.344	7.8	19.3
12 7	2 45.24	+17 56.7	1.463	2.364	12.3	19.6
12 17	2 41.12	+17 25.9	1.560	2.384	16.0	19.9

287994 2003 US_{184} 11 11.6 4°.85 5°.5/ 9.1 18

10 8	3 31.90	+ 9 12.4	1.088	1.968	18.7	20.2
10 18	3 28.08	+ 8 17.4	1.034	1.967	14.1	19.9
10 28	3 21.07	+ 7 20.8	0.999	1.967	9.2	19.7
11 7	3 11.96	+ 6 30.7	0.987	1.968	5.6	19.5
11 17	3 2.27	+ 5 55.0	0.998	1.970	7.3	19.6
11 27	2 53.70	+ 5 40.4	1.032	1.973	11.9	19.9
12 7	2 47.60	+ 5 49.5	1.088	1.977	16.6	20.2
12 17	2 44.74	+ 6 21.1	1.162	1.982	20.6	20.4

254962 2005 SH_{216} 11 11.6 58°.97 2°.0/12.6 18

10 8	3 36.80	+22 0.0	1.887	2.711	14.4	20.4
10 18	3 30.70	+22 31.2	1.821	2.723	10.9	20.2
10 28	3 22.25	+22 53.4	1.779	2.735	7.1	20.0
11 7	3 12.28	+23 6.1	1.763	2.747	3.1	19.7
11 17	3 1.87	+23 9.7	1.776	2.759	2.8	19.7
11 27	2 52.24	+23 7.1	1.818	2.771	6.5	20.0
12 7	2 44.39	+23 2.2	1.887	2.784	10.2	20.3
12 17	2 39.01	+22 59.1	1.980	2.796	13.4	20.5

487032 2014 OW_{30} 11 11.6 244°.61 3°.0/13.7 18

10 8	3 33.48	+27 35.5	2.077	2.886	13.8	21.5
10 18	3 28.21	+27 37.9	1.995	2.884	10.8	21.3
10 28	3 20.74	+27 26.6	1.936	2.882	7.4	21.1
11 7	3 11.81	+27 1.1	1.903	2.880	4.1	20.9
11 17	3 2.41	+26 23.3	1.898	2.877	3.3	20.8
11 27	2 53.65	+25 37.1	1.922	2.875	6.2	21.0
12 7	2 46.51	+24 48.4	1.974	2.873	9.7	21.2
12 17	2 41.65	+24 2.8	2.050	2.871	12.9	21.4

252653 2001 YR_{27} 11 11.6 240°.04 3°.6/14.5 18

10 8	3 33.04	+31 13.8	2.249	3.040	13.4	20.4
10 18	3 27.78	+30 56.2	2.158	3.033	10.7	20.2
10 28	3 20.42	+30 21.9	2.089	3.025	7.6	19.9
11 7	3 11.70	+29 30.7	2.047	3.018	4.6	19.8
11 17	3 2.55	+28 24.6	2.034	3.010	3.7	19.7
11 27	2 54.03	+27 8.6	2.050	3.002	6.1	19.8
12 7	2 47.06	+25 49.4	2.095	2.993	9.3	20.0
12 17	2 42.26	+24 33.7	2.165	2.985	12.3	20.2

228441 2001 QK_{157} 11 11.6 18°.27 0°.6/11.8 18

10 8	3 30.99	+20 51.4	1.069	1.940	19.6	19.4
10 18	3 27.52	+20 32.2	1.018	1.947	14.8	19.1
10 28	3 20.75	+19 57.7	0.987	1.955	9.2	18.8
11 7	3 11.85	+19 10.9	0.976	1.965	3.1	18.5
11 17	3 2.45	+18 18.0	0.990	1.976	3.3	18.6
11 27	2 54.32	+17 27.6	1.028	1.988	9.1	19.0
12 7	2 48.80	+16 47.7	1.088	2.002	14.3	19.3
12 17	2 46.60	+16 23.1	1.168	2.017	18.7	19.6

406997 2009 RS_{49} 11 11.6 135°.82 1°.1/12.6 18

10 8	3 33.18	+22 55.4	3.037	3.841	10.0	21.9
10 18	3 27.15	+22 49.5	2.966	3.857	7.6	21.7
10 28	3 19.71	+22 36.0	2.920	3.872	4.8	21.6
11 7	3 11.42	+22 15.6	2.904	3.887	2.0	21.4
11 17	3 2.93	+21 50.0	2.918	3.902	1.7	21.4
11 27	2 54.95	+21 21.8	2.965	3.915	4.4	21.6
12 7	2 48.07	+20 54.1	3.041	3.928	7.1	21.8
12 17	2 42.75	+20 29.7	3.144	3.941	9.4	22.0

486941 2014 MZ_{37} 11 11.6 72°.03 4°.0/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.06	+ 6 50.2	2.072	2.917	12.5	21.4
10 18	3 26.73	+ 6 16.0	2.017	2.930	9.4	21.3
10 28	3 19.60	+ 5 43.6	1.986	2.944	6.2	21.1
11 7	3 11.40	+ 5 16.9	1.982	2.958	4.1	21.0
11 17	3 2.98	+ 4 59.4	2.008	2.972	5.1	21.1
11 27	2 55.25	+ 4 54.0	2.061	2.986	7.9	21.3
12 7	2 48.96	+ 5 2.1	2.141	3.000	10.9	21.5
12 17	2 44.63	+ 5 23.3	2.243	3.014	13.5	21.7

414628 2009 VO_{22} 11 11.6 276°.31 0°.9/10.8 17

10 8	3 30.01	+16 32.2	2.360	3.196	11.5	21.2
10 18	3 25.30	+16 2.7	2.271	3.183	8.6	21.0
10 28	3 18.83	+15 27.0	2.206	3.170	5.2	20.8
11 7	3 11.20	+14 47.4	2.169	3.157	1.7	20.5
11 17	3 3.16	+14 7.3	2.162	3.144	2.5	20.5
11 27	2 55.58	+13 30.4	2.185	3.131	6.1	20.8
12 7	2 49.22	+13 0.6	2.235	3.118	9.5	20.9
12 17	2 44.65	+12 40.6	2.309	3.105	12.4	21.1

145056 2005 GT_{12} 11 11.6 175°.69 1°.4/10.7 17

10 8	3 36.45	+16 25.2	1.663	2.504	15.2	21.2
10 18	3 30.62	+15 48.3	1.591	2.506	11.3	21.0
10 28	3 22.28	+15 3.1	1.543	2.508	6.9	20.8
11 7	3 12.31	+14 13.2	1.521	2.509	2.3	20.5
11 17	3 1.89	+13 23.3	1.528	2.509	3.4	20.6
11 27	2 52.30	+12 39.5	1.562	2.509	8.0	20.8
12 7	2 44.64	+12 6.9	1.623	2.509	12.3	21.1
12 17	2 39.58	+11 48.7	1.706	2.508	15.9	21.3

298544 2003 WN_{133} 11 11.6 309°.90 1°.7/10.7 18

10 8	3 33.08	+14 30.9	1.636	2.487	14.9	20.1
10 18	3 28.32	+14 15.4	1.555	2.475	11.2	19.8
10 28	3 21.03	+13 54.5	1.496	2.462	6.9	19.5
11 7	3 11.97	+13 31.2	1.463	2.450	2.5	19.2
11 17	3 2.25	+13 9.1	1.457	2.439	3.6	19.3
11 27	2 53.17	+12 52.8	1.478	2.427	8.2	19.5
12 7	2 45.89	+12 46.1	1.525	2.416	12.6	19.8
12 17	2 41.19	+12 51.8	1.593	2.405	16.3	20.0

320092 2007 EV_{97} 11 11.6 150°.47 1°.2/10.5 18

10 8	3 31.22	+14 33.3	2.909	3.735	9.8	22.6
10 18	3 25.73	+14 7.4	2.837	3.745	7.2	22.5
10 28	3 18.86	+13 38.1	2.792	3.754	4.4	22.3
11 7	3 11.17	+13 7.3	2.776	3.763	1.6	22.1
11 17	3 3.26	+12 37.7	2.791	3.771	2.4	22.2
11 27	2 55.83	+12 11.9	2.837	3.778	5.2	22.4
12 7	2 49.46	+11 52.4	2.912	3.785	7.9	22.6
12 17	2 44.58	+11 40.9	3.012	3.792	10.2	22.7

508793 2000 FM_{71} 11 11.6 298°.60 1°.0/12.0 18

10 8	3 34.81	+20 33.3	1.434	2.280	16.9	21.3
10 18	3 30.21	+20 33.7	1.345	2.260	12.9	21.0
10 28	3 22.52	+20 22.6	1.277	2.240	8.2	20.7
11 7	3 12.53	+20 0.4	1.233	2.220	3.0	20.3
11 17	3 1.55	+19 29.8	1.216	2.201	3.0	20.2
11 27	2 51.20	+18 56.1	1.225	2.181	8.5	20.5
12 7	2 42.97	+18 26.2	1.258	2.162	13.6	20.8
12 17	2 37.86	+18 5.9	1.312	2.143	18.1	21.0

485359 2011 CZ_{77} 11 11.6 136°.56 5°.3/16.2 17

10 8	3 34.34	+36 55.6	2.630	3.383	12.6	21.4
10 18	3 28.59	+37 17.4	2.548	3.388	10.5	21.2
10 28	3 20.87	+37 23.3	2.489	3.393	8.2	21.1
11 7	3 11.86	+37 11.6	2.456	3.397	6.1	21.0
11 17	3 2.46	+36 42.4	2.451	3.402	5.4	20.9
11 27	2 53.66	+35 58.5	2.475	3.407	6.4	21.0
12 7	2 46.32	+35 4.9	2.526	3.411	8.5	21.2
12 17	2 41.05	+34 7.5	2.603	3.415	10.7	21.3

58671 Diplodocus 11 11.6 75°.00 2°.6/10.0 18

10 8	3 33.72	+14 38.6	1.537	2.391	15.6	19.1
10 18	3 28.57	+13 40.6	1.480	2.402	11.5	18.9
10 28	3 20.97	+12 35.5	1.446	2.413	7.0	18.6
11 7	3 11.89	+11 28.9	1.437	2.424	3.0	18.4
11 17	3 2.50	+10 27.1	1.456	2.435	4.4	18.5
11 27	2 54.06	+ 9 36.7	1.502	2.446	8.7	18.8
12 7	2 47.60	+ 9 2.4	1.574	2.457	12.8	19.1
12 17	2 43.70	+ 8 46.2	1.666	2.468	16.2	19.3

110426 2001 TF_{24} 11 11.6 107°.01 1°.8/12.8 18

10 8	3 33.64	+24 9.9	2.003	2.824	13.8	20.3
10 18	3 28.27	+24 2.8	1.929	2.828	10.5	20.1
10 28	3 20.74	+23 43.8	1.878	2.833	6.8	19.8
11 7	3 11.83	+23 13.6	1.854	2.838	3.1	19.6
11 17	3 2.53	+22 34.7	1.859	2.842	2.5	19.6
11 27	2 53.93	+21 51.5	1.892	2.846	6.2	19.8
12 7	2 46.97	+21 9.5	1.953	2.851	9.9	20.1
12 17	2 42.27	+20 33.5	2.038	2.855	13.1	20.3

390261 2012 XQ_{133} 11 11.6 6°.35 1°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.42	+22 22.1	1.308	2.161	17.8	19.7
10 18	3 28.33	+22 26.1	1.243	2.161	13.6	19.4
10 28	3 21.21	+22 16.2	1.199	2.162	8.7	19.2
11 7	3 12.05	+21 53.1	1.178	2.164	3.6	18.9
11 17	3 2.27	+21 20.0	1.182	2.167	3.1	18.9
11 27	2 53.47	+20 43.0	1.212	2.171	8.2	19.2
12 7	2 46.98	+20 9.1	1.266	2.176	13.0	19.5
12 17	2 43.59	+19 44.3	1.340	2.182	17.2	19.7

150437 2000 GM_{101} 11 11.6 144°.97 0°.5/11.9 18

10 8	3 36.89	+20 51.7	1.948	2.772	14.0	20.9
10 18	3 30.60	+20 29.4	1.879	2.783	10.5	20.7
10 28	3 22.11	+19 56.8	1.833	2.793	6.5	20.4
11 7	3 12.25	+19 15.8	1.815	2.802	2.2	20.2
11 17	3 2.06	+18 29.8	1.826	2.811	2.3	20.2
11 27	2 52.68	+17 43.8	1.867	2.819	6.5	20.5
12 7	2 45.04	+17 2.9	1.936	2.826	10.3	20.8
12 17	2 39.74	+16 31.4	2.029	2.833	13.6	21.0

385727 2005 UA_{338} 11 11.6 278°.85 1°.0/11.0 18

10 8	3 34.21	+17 10.9	1.596	2.443	15.4	21.9
10 18	3 29.29	+16 44.0	1.511	2.428	11.6	21.6
10 28	3 21.70	+16 7.9	1.448	2.414	7.2	21.3
11 7	3 12.22	+15 25.3	1.411	2.399	2.3	21.0
11 17	3 2.02	+14 40.6	1.401	2.384	3.3	21.0
11 27	2 52.49	+13 59.8	1.418	2.369	8.3	21.3
12 7	2 44.84	+13 28.7	1.461	2.354	12.9	21.5
12 17	2 39.91	+13 11.3	1.526	2.339	16.9	21.8

446164 2013 ED_{120} 11 11.6 143°.81 1°.6/12.6 18

10 8	3 33.96	+23 9.1	2.042	2.863	13.5	21.3
10 18	3 28.51	+23 9.7	1.965	2.865	10.3	21.1
10 28	3 20.91	+22 59.7	1.911	2.867	6.7	20.9
11 7	3 11.90	+22 39.7	1.884	2.868	2.9	20.7
11 17	3 2.46	+22 11.6	1.886	2.870	2.5	20.6
11 27	2 53.67	+21 39.3	1.917	2.871	6.2	20.9
12 7	2 46.47	+21 7.7	1.975	2.872	9.8	21.1
12 17	2 41.51	+20 41.0	2.058	2.873	13.0	21.3

4261 Gekko 11 11.6 33°.10 1°.0/12.2 18

10 8	3 32.35	+21 59.7	1.688	2.527	15.1	17.0
10 18	3 27.57	+21 42.2	1.622	2.533	11.4	16.8
10 28	3 20.42	+21 12.6	1.579	2.540	7.2	16.5
11 7	3 11.74	+20 32.8	1.561	2.547	2.7	16.3
11 17	3 2.68	+19 46.5	1.570	2.555	2.5	16.3
11 27	2 54.44	+18 59.4	1.607	2.563	6.9	16.6
12 7	2 48.06	+18 17.2	1.671	2.571	11.0	16.9
12 17	2 44.16	+17 44.7	1.757	2.580	14.5	17.1

324842 2007 JG_{44} 11 11.6 129°.94 0°.4/11.1 18

10 8	3 30.89	+20 28.9	2.627	3.448	10.9	20.7
10 18	3 25.60	+19 18.8	2.554	3.458	8.1	20.5
10 28	3 18.82	+17 59.5	2.506	3.467	4.9	20.3
11 7	3 11.17	+16 34.2	2.489	3.477	1.5	20.1
11 17	3 3.37	+15 7.5	2.503	3.485	2.1	20.1
11 27	2 56.14	+13 44.7	2.548	3.494	5.4	20.4
12 7	2 50.14	+12 30.5	2.623	3.502	8.4	20.6
12 17	2 45.78	+11 28.3	2.724	3.510	11.0	20.8

471823 2012 XS_{10} 11 11.6 32°.15 0°.3/11.7 18

10 8	3 32.39	+20 50.8	1.202	2.063	18.5	19.7
10 18	3 28.14	+20 18.9	1.155	2.079	13.9	19.5
10 28	3 20.92	+19 32.6	1.129	2.096	8.5	19.3
11 7	3 11.90	+18 35.9	1.126	2.114	2.8	19.0
11 17	3 2.58	+17 35.2	1.148	2.133	3.1	19.1
11 27	2 54.51	+16 38.8	1.195	2.153	8.5	19.4
12 7	2 48.86	+15 53.7	1.266	2.174	13.3	19.8
12 17	2 46.24	+15 24.5	1.358	2.195	17.2	20.1

316820 1999 VY_{215} 11 11.6 249°.05 3°.5/13.7 17

10 8	3 35.79	+27 34.1	2.300	3.098	12.9	20.9
10 18	3 29.90	+28 6.6	2.210	3.091	10.2	20.7
10 28	3 21.83	+28 28.3	2.143	3.084	7.1	20.5
11 7	3 12.24	+28 37.4	2.104	3.076	4.3	20.3
11 17	3 2.06	+28 33.9	2.094	3.069	3.7	20.3
11 27	2 52.36	+28 19.9	2.113	3.061	6.1	20.4
12 7	2 44.14	+27 59.7	2.161	3.054	9.3	20.6
12 17	2 38.10	+27 37.9	2.233	3.046	12.2	20.8

213974 2003 YV_{140} 11 11.6 341°.63 2°.3/12.3 18

10 8	3 33.72	+20 22.8	1.292	2.147	17.8	19.8
10 18	3 29.66	+21 9.8	1.214	2.133	13.8	19.6
10 28	3 22.32	+21 49.2	1.156	2.119	8.9	19.2
11 7	3 12.53	+22 19.3	1.121	2.107	3.8	18.9
11 17	3 1.68	+22 39.3	1.112	2.096	3.5	18.9
11 27	2 51.55	+22 51.7	1.128	2.086	8.7	19.2
12 7	2 43.73	+23 0.9	1.167	2.078	13.8	19.4
12 17	2 39.27	+23 12.3	1.226	2.071	18.2	19.7

243237 2007 VS_{164} 11 11.6 67°.01 0°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.56	+17 59.9	1.672	2.513	15.1	20.8
10 18	3 29.77	+17 46.9	1.619	2.533	11.3	20.6
10 28	3 21.65	+17 25.8	1.589	2.553	6.8	20.4
11 7	3 12.12	+16 59.2	1.584	2.573	2.1	20.1
11 17	3 2.34	+16 30.5	1.608	2.592	2.7	20.2
11 27	2 53.52	+16 4.2	1.660	2.612	7.1	20.5
12 7	2 46.63	+15 44.8	1.739	2.632	11.1	20.8
12 17	2 42.24	+15 35.1	1.840	2.652	14.4	21.1

331854 2003 VH_5 11 11.6 27°.80 1°.2/12.5 18

10 8	3 30.21	+23 41.4	2.140	2.965	12.9	20.3
10 18	3 25.58	+23 12.6	2.065	2.968	9.8	20.1
10 28	3 19.04	+22 32.0	2.014	2.972	6.2	19.9
11 7	3 11.31	+21 41.4	1.990	2.975	2.5	19.6
11 17	3 3.25	+20 44.2	1.995	2.979	2.1	19.6
11 27	2 55.84	+19 45.5	2.029	2.983	5.8	19.9
12 7	2 49.89	+18 50.5	2.090	2.988	9.3	20.1
12 17	2 45.94	+18 3.7	2.176	2.992	12.4	20.3

137647 1999 WR_{16} 11 11.6 5°.71 0°.4/11.7 18

10 8	3 31.11	+20 25.9	1.061	1.933	19.7	19.7
10 18	3 27.80	+20 5.4	1.003	1.932	14.9	19.5
10 28	3 21.07	+19 29.5	0.964	1.933	9.3	19.2
11 7	3 12.06	+18 41.2	0.946	1.935	3.1	18.8
11 17	3 2.38	+17 46.7	0.952	1.938	3.4	18.9
11 27	2 53.88	+16 54.7	0.982	1.942	9.5	19.2
12 7	2 48.02	+16 13.7	1.034	1.948	14.9	19.6
12 17	2 45.59	+15 49.2	1.105	1.954	19.5	19.9

481046 2005 FE_4 11 11.6 243°.65 6°.8/ 6.3 18

10 8	3 32.08	+ 0 13.4	2.123	2.962	12.4	21.7
10 18	3 26.94	− 1 2.4	2.047	2.949	9.9	21.5
10 28	3 19.90	− 2 14.1	1.995	2.934	7.7	21.4
11 7	3 11.61	− 3 15.2	1.970	2.920	6.8	21.3
11 17	3 2.89	− 4 0.0	1.973	2.905	7.9	21.4
11 27	2 54.67	− 4 24.3	2.003	2.889	10.4	21.5
12 7	2 47.80	− 4 26.5	2.058	2.874	13.1	21.6
12 17	2 42.87	− 4 7.6	2.134	2.857	15.5	21.8

271562 2004 JW_{37} 11 11.6 159°.49 6°.9/ 7.3 18

10 8	3 35.62	+ 0 1.0	1.935	2.771	13.6	21.5
10 18	3 29.53	− 1 1.5	1.877	2.777	10.7	21.4
10 28	3 21.41	− 1 57.4	1.843	2.783	8.1	21.2
11 7	3 12.06	− 2 40.4	1.836	2.789	6.9	21.2
11 17	3 2.41	− 3 5.8	1.857	2.793	8.0	21.2
11 27	2 53.51	− 3 10.3	1.905	2.797	10.5	21.4
12 7	2 46.21	− 2 53.7	1.977	2.801	13.2	21.6
12 17	2 41.08	− 2 18.0	2.071	2.803	15.7	21.8

384725 2011 JZ_{16} 11 11.6 157°.83 2°.9/ 9.9 18

10 8	3 36.03	+10 46.7	1.904	2.745	13.6	21.7
10 18	3 29.96	+10 17.8	1.836	2.750	10.1	21.5
10 28	3 21.76	+ 9 47.2	1.793	2.755	6.4	21.3
11 7	3 12.19	+ 9 18.3	1.776	2.759	3.2	21.1
11 17	3 2.25	+ 8 55.0	1.789	2.764	4.3	21.2
11 27	2 53.05	+ 8 41.1	1.830	2.767	7.9	21.4
12 7	2 45.50	+ 8 38.9	1.898	2.770	11.5	21.6
12 17	2 40.22	+ 8 49.7	1.989	2.773	14.6	21.8

223863 2004 TU_{295} 11 11.6 76°.19 0°.6/11.9 18

10 8	3 34.26	+19 13.8	2.158	2.985	12.7	20.2
10 18	3 28.54	+19 24.0	2.088	2.994	9.5	20.0
10 28	3 20.84	+19 27.5	2.043	3.004	5.9	19.8
11 7	3 11.89	+19 25.1	2.026	3.013	2.1	19.6
11 17	3 2.59	+19 18.3	2.038	3.023	2.1	19.6
11 27	2 53.93	+19 9.9	2.080	3.032	5.9	19.9
12 7	2 46.76	+19 3.1	2.149	3.042	9.4	20.1
12 17	2 41.67	+19 0.9	2.243	3.051	12.3	20.3

402523 2006 EF_{12} 11 11.6 39°.83 8°.4/17.1 17

10 8	3 39.12	+40 3.6	1.983	2.732	16.3	20.4
10 18	3 32.99	+41 16.3	1.918	2.745	13.9	20.3
10 28	3 23.97	+42 8.5	1.873	2.759	11.4	20.2
11 7	3 12.97	+42 35.3	1.852	2.773	9.3	20.1
11 17	3 1.29	+42 34.8	1.857	2.787	8.4	20.1
11 27	2 50.48	+42 9.4	1.887	2.802	9.2	20.1
12 7	2 41.82	+41 25.7	1.943	2.817	11.2	20.3
12 17	2 36.13	+40 32.3	2.023	2.833	13.4	20.5

78932 2003 SU_{144} 11 11.6 295°.29 1°.1/10.9 18

10 8	3 34.46	+13 24.2	2.265	3.097	12.0	18.7
10 18	3 28.67	+13 36.5	2.183	3.093	8.9	18.5
10 28	3 20.96	+13 47.0	2.126	3.089	5.5	18.2
11 7	3 11.96	+13 56.9	2.097	3.084	1.9	18.0
11 17	3 2.50	+14 7.5	2.098	3.080	2.6	18.0
11 27	2 53.55	+14 20.7	2.129	3.076	6.2	18.3
12 7	2 45.94	+14 38.4	2.189	3.072	9.7	18.5
12 17	2 40.29	+15 2.0	2.273	3.068	12.6	18.7

72370 2001 CD_3 11 11.6 188°.14 4°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.42	+31 53.8	2.637	3.414	12.0	19.9
10 18	3 28.62	+32 12.6	2.550	3.413	9.7	19.7
10 28	3 20.91	+32 18.4	2.487	3.412	7.1	19.6
11 7	3 11.94	+32 9.9	2.450	3.411	4.8	19.4
11 17	3 2.54	+31 47.5	2.442	3.409	4.1	19.4
11 27	2 53.65	+31 13.9	2.465	3.408	5.7	19.5
12 7	2 46.12	+30 33.3	2.515	3.406	8.3	19.6
12 17	2 40.54	+29 50.9	2.592	3.403	10.8	19.8

294359 2007 VD_{99} 11 11.6 38°.53 7°.2/ 9.9 17

10 8	3 40.66	− 0 56.8	1.346	2.193	17.7	19.6
10 18	3 33.79	− 0 47.2	1.304	2.212	13.8	19.4
10 28	3 24.18	− 0 24.2	1.283	2.232	9.9	19.2
11 7	3 12.95	+ 0 16.3	1.287	2.253	7.4	19.1
11 17	3 1.51	+ 1 15.3	1.317	2.274	8.1	19.3
11 27	2 51.32	+ 2 31.7	1.373	2.296	11.3	19.5
12 7	2 43.51	+ 4 1.8	1.454	2.319	14.8	19.8
12 17	2 38.65	+ 5 41.5	1.556	2.342	17.9	20.0

480292 2015 HW_{149} 11 11.6 113°.90 0°.5/11.9 17

10 8	3 37.24	+21 3.4	1.883	2.708	14.3	21.8
10 18	3 30.85	+20 40.3	1.822	2.727	10.8	21.7
10 28	3 22.25	+20 6.7	1.786	2.745	6.7	21.5
11 7	3 12.33	+19 24.7	1.776	2.763	2.3	21.2
11 17	3 2.18	+18 37.8	1.796	2.781	2.3	21.3
11 27	2 52.92	+17 51.3	1.845	2.797	6.6	21.6
12 7	2 45.50	+17 10.5	1.922	2.813	10.4	21.8
12 17	2 40.45	+16 39.2	2.023	2.829	13.6	22.1

179722 2002 RA_{87} 11 11.6 29°.78 4°.6/ 9.2 18

10 8	3 31.67	+11 59.3	1.103	1.980	18.6	18.5
10 18	3 27.72	+10 44.8	1.057	1.991	13.8	18.3
10 28	3 20.75	+ 9 25.1	1.033	2.002	8.7	18.1
11 7	3 11.91	+ 8 9.0	1.030	2.014	4.8	17.9
11 17	3 2.73	+ 7 5.8	1.053	2.027	6.6	18.0
11 27	2 54.79	+ 6 23.2	1.099	2.041	11.2	18.4
12 7	2 49.28	+ 6 5.1	1.167	2.056	15.8	18.7
12 17	2 46.83	+ 6 11.2	1.254	2.071	19.6	19.0

234661 2002 EH_{134} 11 11.6 339°.46 0°.8/11.1 18

10 8	3 33.03	+17 42.4	1.539	2.390	15.7	19.6
10 18	3 28.36	+17 14.9	1.467	2.386	11.8	19.3
10 28	3 21.07	+16 37.9	1.417	2.383	7.2	19.1
11 7	3 12.05	+15 54.5	1.392	2.381	2.3	18.8
11 17	3 2.48	+15 9.2	1.394	2.378	3.1	18.8
11 27	2 53.71	+14 28.3	1.424	2.376	8.1	19.1
12 7	2 46.90	+13 57.2	1.478	2.374	12.5	19.4
12 17	2 42.76	+13 39.7	1.554	2.373	16.4	19.6

168832 2000 SD_{340} 11 11.6 111°.64 2°.5/12.8 16

10 8	3 41.76	+24 1.2	1.511	2.335	17.3	20.3
10 18	3 34.85	+24 14.4	1.451	2.352	13.2	20.1
10 28	3 25.00	+24 13.5	1.414	2.368	8.6	19.9
11 7	3 13.27	+23 58.2	1.401	2.384	4.0	19.7
11 17	3 1.12	+23 30.4	1.416	2.399	3.3	19.7
11 27	2 50.12	+22 55.5	1.460	2.414	7.7	20.0
12 7	2 41.51	+22 20.6	1.529	2.428	12.0	20.3
12 17	2 36.01	+21 51.7	1.621	2.442	15.7	20.5

28743 2000 GO_{142} 11 11.6 86°.41 4°.8/ 8.9 18

10 8	3 34.29	+ 5 9.0	1.915	2.759	13.4	17.5
10 18	3 28.53	+ 4 34.6	1.862	2.773	10.1	17.3
10 28	3 20.80	+ 4 3.7	1.832	2.788	6.9	17.2
11 7	3 11.89	+ 3 40.6	1.830	2.802	4.8	17.1
11 17	3 2.75	+ 3 28.9	1.856	2.816	5.8	17.2
11 27	2 54.39	+ 3 31.4	1.909	2.831	8.7	17.4
12 7	2 47.63	+ 3 48.8	1.989	2.845	11.8	17.6
12 17	2 43.00	+ 4 20.4	2.091	2.858	14.5	17.8

441176 2007 TX_{395} 11 11.6 260°.01 2°.4/13.2 18

10 8	3 34.11	+26 8.9	1.995	2.809	14.0	21.2
10 18	3 28.89	+25 57.4	1.901	2.795	10.9	21.0
10 28	3 21.32	+25 31.6	1.830	2.781	7.3	20.8
11 7	3 12.15	+24 51.7	1.785	2.766	3.6	20.5
11 17	3 2.36	+23 59.8	1.768	2.751	2.9	20.4
11 27	2 53.16	+23 0.9	1.781	2.736	6.5	20.6
12 7	2 45.60	+22 1.5	1.821	2.720	10.4	20.8
12 17	2 40.40	+21 7.7	1.886	2.704	13.9	21.0

63221 2001 AZ_{32} 11 11.6 43°.11 8°.0/ 7.8 18

10 8	3 34.37	− 4 29.9	1.855	2.689	14.2	18.2
10 18	3 28.63	− 5 1.2	1.806	2.700	11.5	18.0
10 28	3 20.87	− 5 20.4	1.780	2.711	9.1	17.9
11 7	3 11.92	− 5 22.2	1.780	2.723	8.0	17.9
11 17	3 2.73	− 5 3.6	1.806	2.734	8.8	18.0
11 27	2 54.35	− 4 23.6	1.858	2.746	10.9	18.1
12 7	2 47.61	− 3 24.1	1.935	2.759	13.4	18.3
12 17	2 43.05	− 2 8.5	2.033	2.771	15.7	18.5

74143 1998 QP_{77} 11 11.6 0°.45 13°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.11	+50 46.6	1.775	2.467	19.8	18.3
10 18	3 37.31	+52 18.8	1.702	2.466	17.9	18.1
10 28	3 27.35	+53 23.3	1.645	2.466	16.0	18.0
11 7	3 14.24	+53 51.4	1.608	2.466	14.3	17.9
11 17	2 59.88	+53 37.6	1.591	2.466	13.3	17.8
11 27	2 46.63	+52 43.4	1.597	2.467	13.5	17.9
12 7	2 36.50	+51 17.7	1.624	2.468	14.6	17.9
12 17	2 30.62	+49 33.2	1.673	2.469	16.4	18.1

473497 2015 XJ_{116} 11 11.6 21°.29 2°.8/ 9.5 18

10 8	3 29.36	+13 27.1	1.804	2.658	13.6	20.7
10 18	3 25.12	+12 22.9	1.740	2.662	10.1	20.5
10 28	3 18.84	+11 13.1	1.701	2.667	6.2	20.3
11 7	3 11.30	+10 2.9	1.688	2.672	3.0	20.1
11 17	3 3.45	+ 8 58.3	1.703	2.678	4.4	20.2
11 27	2 56.32	+ 8 5.2	1.745	2.684	8.1	20.4
12 7	2 50.76	+ 7 27.7	1.814	2.691	11.7	20.7
12 17	2 47.34	+ 7 7.7	1.904	2.698	14.8	20.9

284813 2008 YA_{152} 11 11.6 284°.99 12°.8/ 3.2 18

10 8	3 33.74	−15 54.7	1.808	2.612	15.7	20.3
10 18	3 28.38	−17 20.0	1.761	2.609	14.0	20.2
10 28	3 20.84	−18 24.9	1.736	2.606	13.0	20.1
11 7	3 11.94	−19 1.0	1.733	2.603	12.8	20.1
11 17	3 2.71	−19 3.2	1.752	2.599	13.7	20.2
11 27	2 54.25	−18 30.0	1.794	2.596	15.3	20.3
12 7	2 47.50	−17 24.7	1.855	2.593	17.1	20.4
12 17	2 43.03	−15 52.8	1.933	2.590	18.8	20.6

369387 2009 VA_{17} 11 11.6 306°.54 1°.5/12.7 17

10 8	3 30.29	+23 58.0	2.128	2.952	13.0	20.6
10 18	3 25.86	+23 39.1	2.034	2.936	10.0	20.3
10 28	3 19.39	+23 8.1	1.963	2.920	6.5	20.1
11 7	3 11.52	+22 26.0	1.919	2.904	2.8	19.8
11 17	3 3.14	+21 35.5	1.904	2.888	2.3	19.8
11 27	2 55.27	+20 41.3	1.918	2.873	6.1	20.0
12 7	2 48.81	+19 48.8	1.959	2.858	9.8	20.2
12 17	2 44.44	+19 3.1	2.024	2.843	13.1	20.4

409744 2006 DW_{28} 11 11.6 290°.85 6°.5/15.6 17

10 8	3 36.95	+36 3.8	2.262	3.025	14.2	21.2
10 18	3 31.15	+36 58.4	2.169	3.014	11.8	21.0
10 28	3 22.83	+37 37.5	2.098	3.004	9.4	20.8
11 7	3 12.68	+37 57.6	2.053	2.993	7.2	20.7
11 17	3 1.75	+37 56.7	2.034	2.983	6.5	20.6
11 27	2 51.30	+37 36.4	2.044	2.972	7.8	20.7
12 7	2 42.51	+37 1.8	2.080	2.962	10.1	20.8
12 17	2 36.21	+36 19.3	2.140	2.952	12.7	21.0

251356 2007 TM_{163} 11 11.6 68°.74 0°.8/11.9 18

10 8	3 41.68	+19 53.8	1.183	2.033	19.5	20.5
10 18	3 35.06	+19 56.4	1.141	2.058	14.6	20.3
10 28	3 25.17	+19 46.8	1.119	2.083	9.0	20.0
11 7	3 13.33	+19 26.6	1.121	2.109	3.1	19.8
11 17	3 1.26	+18 59.6	1.149	2.134	3.1	19.9
11 27	2 50.72	+18 32.1	1.203	2.159	8.7	20.3
12 7	2 42.99	+18 10.7	1.281	2.184	13.5	20.6
12 17	2 38.69	+17 59.7	1.379	2.208	17.5	20.9

239206 2006 ON_{18} 11 11.6 65°.41 2°.3/10.6 18

10 8	3 38.23	+11 5.7	1.670	2.513	15.0	19.9
10 18	3 31.74	+11 11.5	1.618	2.533	11.2	19.8
10 28	3 22.89	+11 16.7	1.589	2.553	6.9	19.6
11 7	3 12.60	+11 23.4	1.587	2.573	2.9	19.4
11 17	3 2.05	+11 33.7	1.614	2.593	3.8	19.5
11 27	2 52.46	+11 50.0	1.669	2.613	7.8	19.8
12 7	2 44.81	+12 13.8	1.750	2.633	11.6	20.0
12 17	2 39.71	+12 45.9	1.854	2.653	14.9	20.3

401254 2012 BW_{84} 11 11.6 72°.26 5°.6/15.7 18

10 8	3 35.92	+34 45.1	2.042	2.820	15.0	20.4
10 18	3 30.17	+35 7.0	1.974	2.833	12.3	20.3
10 28	3 22.02	+35 10.5	1.927	2.846	9.3	20.1
11 7	3 12.36	+34 53.7	1.905	2.859	6.6	20.0
11 17	3 2.30	+34 17.3	1.911	2.873	5.6	19.9
11 27	2 53.08	+33 25.4	1.945	2.886	7.1	20.1
12 7	2 45.73	+32 25.0	2.005	2.900	9.8	20.3
12 17	2 40.89	+31 23.0	2.090	2.913	12.6	20.5

239819 1998 MH_{23} 11 11.6 177°.76 1°.7/12.9 18

10 8	3 35.39	+24 35.8	2.230	3.040	12.9	20.9
10 18	3 29.44	+24 24.2	2.149	3.042	9.9	20.7
10 28	3 21.47	+24 1.0	2.092	3.044	6.5	20.5
11 7	3 12.18	+23 26.7	2.062	3.044	2.9	20.3
11 17	3 2.49	+22 43.9	2.062	3.045	2.4	20.3
11 27	2 53.45	+21 56.6	2.092	3.044	5.8	20.5
12 7	2 45.92	+21 10.0	2.150	3.044	9.3	20.7
12 17	2 40.52	+20 28.8	2.233	3.042	12.3	20.9

358299 2006 UK_{125} 11 11.6 141°.79 1°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.99	+23 57.4	2.011	2.832	13.7	21.7
10 18	3 28.60	+23 53.1	1.935	2.834	10.5	21.5
10 28	3 21.04	+23 37.2	1.881	2.836	6.8	21.2
11 7	3 12.05	+23 10.4	1.854	2.838	3.1	21.0
11 17	3 2.64	+22 34.7	1.856	2.839	2.5	21.0
11 27	2 53.90	+21 54.6	1.887	2.841	6.2	21.2
12 7	2 46.79	+21 15.4	1.945	2.843	9.9	21.5
12 17	2 41.94	+20 41.6	2.027	2.844	13.1	21.7

483651 2005 AF_{42} 11 11.6 11°.35 2°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.64	+ 9 47.1	1.414	2.267	16.7	19.6
10 18	3 32.71	+10 14.8	1.349	2.268	12.6	19.4
10 28	3 23.85	+10 44.9	1.305	2.270	7.9	19.1
11 7	3 13.01	+11 19.1	1.287	2.273	3.3	18.9
11 17	3 1.54	+11 58.2	1.296	2.277	4.2	18.9
11 27	2 50.97	+12 43.2	1.333	2.281	8.9	19.2
12 7	2 42.61	+13 34.9	1.394	2.286	13.4	19.5
12 17	2 37.26	+14 33.2	1.477	2.291	17.3	19.8

157044 2003 SN_{51} 11 11.6 92°.68 3°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.49	+ 7 46.8	2.302	3.145	11.5	19.9
10 18	3 25.50	+ 7 0.8	2.242	3.155	8.6	19.7
10 28	3 18.91	+ 6 15.3	2.206	3.165	5.7	19.6
11 7	3 11.33	+ 5 34.2	2.199	3.175	3.7	19.5
11 17	3 3.53	+ 5 1.3	2.221	3.185	4.7	19.6
11 27	2 56.32	+ 4 39.9	2.271	3.195	7.4	19.7
12 7	2 50.37	+ 4 31.8	2.348	3.205	10.2	19.9
12 17	2 46.18	+ 4 37.4	2.449	3.214	12.7	20.1

116061 2003 WO_{111} 11 11.6 212°.81 1°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.16	+22 26.2	1.537	2.371	16.5	20.6
10 18	3 31.61	+22 19.3	1.461	2.369	12.7	20.3
10 28	3 23.19	+21 59.0	1.407	2.367	8.1	20.1
11 7	3 12.81	+21 26.1	1.378	2.364	3.2	19.8
11 17	3 1.78	+20 43.7	1.376	2.361	2.9	19.8
11 27	2 51.62	+19 57.6	1.402	2.358	7.8	20.0
12 7	2 43.60	+19 15.1	1.454	2.354	12.4	20.3
12 17	2 38.51	+18 41.8	1.527	2.351	16.3	20.6

13771 1998 SG_{159} 11 11.6 307°.20 4°.3/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.80	+29 9.2	2.108	2.908	13.9	19.1
10 18	3 29.48	+29 46.8	2.016	2.896	11.1	18.9
10 28	3 21.77	+30 12.1	1.947	2.884	8.0	18.7
11 7	3 12.36	+30 22.8	1.903	2.872	5.2	18.5
11 17	3 2.24	+30 18.3	1.888	2.860	4.4	18.5
11 27	2 52.61	+30 1.0	1.901	2.849	6.8	18.6
12 7	2 44.57	+29 35.4	1.941	2.837	10.0	18.8
12 17	2 38.90	+29 7.3	2.005	2.826	13.1	18.9

320168 2007 GD_{5} 11 11.6 50°.11 0°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.26	+18 47.0	2.043	2.873	13.2	20.7
10 18	3 28.69	+18 59.3	1.973	2.881	9.9	20.5
10 28	3 21.05	+19 5.3	1.928	2.889	6.1	20.3
11 7	3 12.07	+19 5.5	1.910	2.897	2.1	20.1
11 17	3 2.70	+19 1.4	1.920	2.905	2.2	20.1
11 27	2 53.99	+18 55.9	1.960	2.913	6.1	20.4
12 7	2 46.83	+18 52.3	2.028	2.922	9.8	20.6
12 17	2 41.84	+18 53.3	2.119	2.930	12.8	20.8

386251 2008 CN_{12} 11 11.6 177°.31 3°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.28	+29 0.5	1.905	2.702	15.3	21.1
10 18	3 33.59	+29 17.1	1.825	2.705	12.1	20.9
10 28	3 24.26	+29 18.1	1.767	2.707	8.5	20.7
11 7	3 13.14	+29 2.0	1.735	2.708	5.0	20.5
11 17	3 1.45	+28 29.4	1.732	2.708	4.2	20.4
11 27	2 50.54	+27 44.7	1.758	2.708	7.0	20.6
12 7	2 41.60	+26 54.5	1.811	2.706	10.7	20.8
12 17	2 35.37	+26 5.9	1.889	2.705	14.0	21.0

84920 2003 VM_{1} 11 11.6 287°.06 3°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.19	+30 10.4	1.859	2.666	15.2	19.3
10 18	3 28.42	+29 51.1	1.767	2.653	12.1	19.1
10 28	3 21.14	+29 12.5	1.696	2.639	8.5	18.8
11 7	3 12.16	+28 14.4	1.651	2.626	4.9	18.6
11 17	3 2.57	+26 59.3	1.633	2.612	3.8	18.5
11 27	2 53.68	+25 33.5	1.644	2.599	6.9	18.7
12 7	2 46.59	+24 5.4	1.682	2.586	10.8	18.9
12 17	2 42.05	+22 43.3	1.744	2.572	14.4	19.1

383365 2006 SV_{59} 11 11.6 32°.83 0°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.76	+17 2.6	1.082	1.946	19.9	20.2
10 18	3 33.41	+17 37.5	1.032	1.957	15.0	20.0
10 28	3 24.49	+18 5.5	1.002	1.969	9.3	19.7
11 7	3 13.25	+18 26.1	0.994	1.983	3.1	19.4
11 17	3 1.42	+18 40.6	1.011	1.997	3.3	19.5
11 27	2 50.94	+18 52.6	1.053	2.012	9.2	19.8
12 7	2 43.33	+19 6.7	1.118	2.027	14.5	20.2
12 17	2 39.34	+19 26.7	1.203	2.044	18.7	20.5

149631 2004 EO_{60} 11 11.6 283°.59 0°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.52	+19 26.3	1.481	2.327	16.5	20.7
10 18	3 30.42	+19 9.8	1.408	2.323	12.5	20.4
10 28	3 22.47	+18 42.2	1.355	2.320	7.7	20.1
11 7	3 12.60	+18 5.6	1.328	2.316	2.5	19.8
11 17	3 2.10	+17 24.0	1.328	2.313	2.9	19.8
11 27	2 52.45	+16 43.3	1.355	2.309	8.1	20.1
12 7	2 44.91	+16 10.0	1.407	2.306	12.8	20.4
12 17	2 40.26	+15 48.8	1.480	2.303	16.8	20.7

392338 2010 EY_{111} 11 11.6 182°.22 3°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.51	+27 15.2	2.066	2.868	14.0	22.4
10 18	3 31.33	+27 32.3	1.984	2.869	11.0	22.2
10 28	3 22.79	+27 36.5	1.926	2.869	7.6	22.0
11 7	3 12.67	+27 26.6	1.894	2.869	4.3	21.8
11 17	3 2.02	+27 3.6	1.890	2.869	3.5	21.7
11 27	2 52.03	+26 30.9	1.917	2.868	6.4	21.9
12 7	2 43.75	+25 54.0	1.971	2.866	9.9	22.1
12 17	2 37.87	+25 18.4	2.049	2.864	13.1	22.3

173774 2001 SY_{11} 11 11.6 175°.13 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.42	+20 46.8	1.995	2.822	13.5	20.2
10 18	3 28.94	+20 46.5	1.918	2.823	10.3	20.0
10 28	3 21.28	+20 37.4	1.864	2.823	6.5	19.8
11 7	3 12.18	+20 20.2	1.837	2.823	2.4	19.5
11 17	3 2.62	+19 57.1	1.839	2.824	2.3	19.5
11 27	2 53.70	+19 31.9	1.870	2.824	6.3	19.8
12 7	2 46.38	+19 9.0	1.928	2.824	10.1	20.0
12 17	2 41.32	+18 52.1	2.011	2.823	13.4	20.2

180970 2005 MN_{39} 11 11.6 83°.13 2°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.50	+25 45.9	1.965	2.781	14.2	20.5
10 18	3 29.08	+25 51.7	1.891	2.785	11.0	20.3
10 28	3 21.38	+25 44.8	1.839	2.790	7.3	20.1
11 7	3 12.21	+25 25.0	1.814	2.794	3.7	19.9
11 17	3 2.60	+24 54.2	1.817	2.798	3.1	19.8
11 27	2 53.69	+24 16.4	1.848	2.802	6.3	20.1
12 7	2 46.49	+23 37.1	1.907	2.807	10.0	20.3
12 17	2 41.64	+23 1.7	1.990	2.811	13.2	20.5

273374 2006 UQ_{271} 11 11.6 46°.28 0°.2/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.78	+16 53.0	1.156	2.015	19.2	20.6
10 18	3 33.10	+17 6.4	1.110	2.033	14.4	20.4
10 28	3 24.13	+17 12.1	1.083	2.050	8.8	20.1
11 7	3 13.10	+17 11.4	1.080	2.069	2.8	19.8
11 17	3 1.67	+17 7.1	1.103	2.088	3.3	19.9
11 27	2 51.62	+17 3.8	1.151	2.107	8.9	20.3
12 7	2 44.26	+17 6.2	1.222	2.127	13.9	20.7
12 17	2 40.28	+17 17.6	1.314	2.147	17.9	21.0

264390 2000 DQ_{91} 11 11.6 93°.82 6°.9/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.09	+40 14.3	2.451	3.187	13.9	20.3
10 18	3 31.01	+40 59.0	2.374	3.194	11.8	20.1
10 28	3 22.60	+41 25.9	2.318	3.201	9.6	20.0
11 7	3 12.63	+41 31.7	2.286	3.208	7.7	19.9
11 17	3 2.13	+41 15.6	2.281	3.215	6.9	19.8
11 27	2 52.29	+40 39.8	2.304	3.221	7.7	19.9
12 7	2 44.15	+39 49.8	2.354	3.228	9.5	20.0
12 17	2 38.41	+38 52.3	2.429	3.235	11.6	20.2

225365 1999 CM_{79} 11 11.6 245°.26 0°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.73	+21 47.0	2.999	3.811	9.9	21.6
10 18	3 25.63	+21 31.7	2.897	3.794	7.5	21.4
10 28	3 19.04	+21 8.8	2.821	3.777	4.8	21.2
11 7	3 11.46	+20 39.2	2.774	3.760	1.8	21.0
11 17	3 3.50	+20 4.8	2.758	3.742	1.7	21.0
11 27	2 55.88	+19 28.6	2.772	3.724	4.7	21.2
12 7	2 49.25	+18 53.7	2.816	3.705	7.5	21.3
12 17	2 44.12	+18 23.3	2.886	3.686	10.1	21.5

127590 2003 BY_{1} 11 11.6 281°.68 2°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.67	+11 33.7	1.947	2.793	13.1	19.9
10 18	3 27.57	+11 4.7	1.874	2.791	9.8	19.7
10 28	3 20.40	+10 33.1	1.825	2.789	6.1	19.5
11 7	3 11.91	+10 2.4	1.803	2.787	3.0	19.3
11 17	3 3.00	+ 9 36.5	1.809	2.786	4.0	19.4
11 27	2 54.72	+ 9 19.2	1.844	2.784	7.6	19.6
12 7	2 47.96	+ 9 13.3	1.905	2.782	11.2	19.8
12 17	2 43.32	+ 9 20.2	1.989	2.780	14.3	20.0

385672 2005 SK_{169} 11 11.6 19°.23 5°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.44	+29 0.4	1.285	2.116	19.4	20.5
10 18	3 31.70	+29 39.3	1.222	2.120	15.4	20.2
10 28	3 23.54	+29 58.7	1.178	2.124	11.0	20.0
11 7	3 13.01	+29 55.6	1.156	2.129	6.8	19.8
11 17	3 1.73	+29 30.3	1.159	2.135	5.7	19.7
11 27	2 51.57	+28 48.3	1.187	2.141	8.9	19.9
12 7	2 44.04	+27 58.9	1.238	2.149	13.3	20.2
12 17	2 40.01	+27 11.3	1.311	2.156	17.2	20.5

213521 2002 GH_{157} 11 11.6 84°.46 4°.6/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.11	+ 9 27.1	1.363	2.221	16.9	20.3
10 18	3 31.30	+ 8 33.0	1.315	2.237	12.7	20.1
10 28	3 22.79	+ 7 38.0	1.289	2.253	8.1	19.9
11 7	3 12.65	+ 6 48.6	1.288	2.268	4.8	19.7
11 17	3 2.24	+ 6 11.1	1.313	2.284	6.2	19.9
11 27	2 52.98	+ 5 50.6	1.364	2.299	10.2	20.1
12 7	2 45.94	+ 5 49.4	1.439	2.314	14.3	20.4
12 17	2 41.75	+ 6 7.1	1.535	2.329	17.7	20.7

404682 2014 HX_{168} 11 11.6 169°.06 2°.5/ 9.5 18

10 8	3 32.47	+12 34.8	2.385	3.220	11.4	21.7
10 18	3 26.99	+11 33.6	2.313	3.224	8.4	21.5
10 28	3 19.86	+10 28.2	2.266	3.228	5.3	21.4
11 7	3 11.70	+ 9 22.6	2.248	3.231	2.7	21.2
11 17	3 3.28	+ 8 21.5	2.261	3.234	3.8	21.3
11 27	2 55.44	+ 7 29.5	2.304	3.236	6.8	21.5
12 7	2 48.87	+ 6 49.8	2.375	3.237	9.9	21.7
12 17	2 44.08	+ 6 24.3	2.469	3.238	12.5	21.9

398295 2010 VY_{159} 11 11.6 187°.38 1°.2/10.7 18

10 8	3 30.64	+16 48.2	2.212	3.048	12.1	20.9
10 18	3 25.84	+16 1.2	2.135	3.048	9.0	20.7
10 28	3 19.25	+15 6.9	2.084	3.048	5.4	20.5
11 7	3 11.53	+14 8.7	2.060	3.048	1.9	20.2
11 17	3 3.49	+13 10.9	2.066	3.048	2.8	20.3
11 27	2 56.02	+12 18.2	2.102	3.047	6.4	20.5
12 7	2 49.90	+11 34.9	2.165	3.047	9.8	20.7
12 17	2 45.67	+11 4.0	2.252	3.046	12.7	20.9

64975 Gianrix 11 11.6 142°.49 0°.2/11.8 18

10 8	3 32.87	+19 29.8	2.762	3.579	10.5	20.6
10 18	3 27.12	+19 13.1	2.690	3.591	7.8	20.5
10 28	3 19.87	+18 49.9	2.643	3.602	4.8	20.3
11 7	3 11.70	+18 21.7	2.625	3.613	1.6	20.1
11 17	3 3.30	+17 50.8	2.639	3.623	1.7	20.1
11 27	2 55.43	+17 20.1	2.683	3.633	4.9	20.4
12 7	2 48.72	+16 52.8	2.757	3.642	7.8	20.6
12 17	2 43.65	+16 31.5	2.857	3.651	10.3	20.8

443577 2014 KV_{59} 11 11.6 198°.72 5°.7/16.0 18

10 8	3 35.91	+35 58.0	1.981	2.756	15.5	20.4
10 18	3 30.37	+35 59.2	1.898	2.755	12.8	20.2
10 28	3 22.30	+35 39.4	1.836	2.754	9.7	20.1
11 7	3 12.55	+34 56.6	1.798	2.753	6.9	19.9
11 17	3 2.32	+33 52.1	1.788	2.751	5.7	19.8
11 27	2 52.90	+32 31.0	1.806	2.750	7.4	19.9
12 7	2 45.41	+31 1.6	1.851	2.748	10.3	20.1
12 17	2 40.55	+29 32.6	1.921	2.747	13.4	20.3

154971 2004 TL_{282} 11 11.6 336°.16 0°.7/11.1 18

10 8	3 28.07	+16 17.1	2.533	3.370	10.7	19.7
10 18	3 23.83	+16 3.3	2.448	3.360	8.0	19.5
10 28	3 18.01	+15 44.9	2.388	3.351	4.9	19.3
11 7	3 11.15	+15 23.6	2.355	3.343	1.6	19.1
11 17	3 3.92	+15 1.9	2.351	3.334	2.2	19.1
11 27	2 57.11	+14 42.5	2.378	3.327	5.5	19.3
12 7	2 51.39	+14 28.3	2.432	3.319	8.6	19.5
12 17	2 47.31	+14 21.6	2.510	3.312	11.3	19.7

482877 2014 EA_{22} 11 11.6 40°.40 4°.0/ 9.6 18

10 8	3 33.16	+11 14.4	1.313	2.179	17.0	20.0
10 18	3 28.43	+10 21.2	1.269	2.196	12.6	19.8
10 28	3 21.06	+ 9 25.5	1.247	2.213	7.9	19.6
11 7	3 12.11	+ 8 33.6	1.248	2.232	4.2	19.4
11 17	3 2.92	+ 7 52.0	1.276	2.251	5.6	19.5
11 27	2 54.85	+ 7 26.2	1.329	2.270	9.8	19.8
12 7	2 48.95	+ 7 18.9	1.406	2.290	13.9	20.1
12 17	2 45.80	+ 7 30.1	1.503	2.311	17.4	20.4

315248 2007 RX_{320} 11 11.6 26°.18 4°.8/ 9.4 18

10 8	3 35.10	+10 12.7	1.189	2.058	18.1	20.7
10 18	3 30.35	+ 9 20.0	1.132	2.060	13.7	20.4
10 28	3 22.51	+ 8 24.5	1.096	2.063	8.8	20.2
11 7	3 12.65	+ 7 33.4	1.084	2.066	5.0	20.0
11 17	3 2.25	+ 6 53.9	1.096	2.070	6.5	20.1
11 27	2 52.96	+ 6 32.7	1.133	2.073	11.2	20.3
12 7	2 46.07	+ 6 32.8	1.192	2.077	15.8	20.6
12 17	2 42.35	+ 6 54.2	1.270	2.082	19.7	20.9

232215 2002 HS_{11} 11 11.6 121°.54 10°.0/ 2.9 18

10 8	3 33.50	−10 52.2	2.171	2.981	13.2	20.1
10 18	3 27.75	−12 48.5	2.139	2.999	11.4	20.0
10 28	3 20.30	−14 29.9	2.132	3.017	10.2	20.0
11 7	3 11.86	−15 48.8	2.151	3.033	10.1	20.0
11 17	3 3.26	−16 40.3	2.195	3.049	11.0	20.1
11 27	2 55.39	−17 2.2	2.264	3.065	12.6	20.3
12 7	2 48.95	−16 56.0	2.354	3.080	14.2	20.4
12 17	2 44.42	−16 25.3	2.462	3.094	15.7	20.6

298448 2003 UM_{58} 11 11.6 70°.99 0°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.84	+22 8.3	1.628	2.462	15.8	20.4
10 18	3 30.04	+21 25.1	1.579	2.488	11.8	20.2
10 28	3 21.88	+20 28.9	1.552	2.513	7.3	20.0
11 7	3 12.37	+19 23.1	1.551	2.538	2.5	19.7
11 17	3 2.72	+18 13.2	1.578	2.563	2.5	19.8
11 27	2 54.16	+17 6.3	1.634	2.588	7.0	20.2
12 7	2 47.62	+16 8.7	1.717	2.613	11.1	20.4
12 17	2 43.62	+15 24.6	1.822	2.637	14.5	20.7

455736 2005 HC_3 11 11.6 207°.97 14°.1/ 3.6 16

10 8	3 47.28	−22 27.4	1.960	2.705	16.6	22.3
10 18	3 38.48	−23 41.1	1.903	2.697	15.3	22.2
10 28	3 27.12	−24 30.4	1.866	2.687	14.3	22.1
11 7	3 14.11	−24 46.4	1.852	2.676	14.2	22.1
11 17	3 0.67	−24 23.7	1.862	2.664	14.9	22.1
11 27	2 48.13	−23 21.7	1.895	2.650	16.3	22.2
12 7	2 37.61	−21 45.2	1.949	2.634	18.0	22.3
12 17	2 29.79	−19 41.5	2.020	2.617	19.6	22.4

424641 2008 LZ_{12} 11 11.6 100°.99 4°.1/ 9.3 16

10 8	3 37.36	+ 8 57.3	1.683	2.528	14.8	21.6
10 18	3 31.01	+ 8 8.3	1.635	2.550	11.1	21.4
10 28	3 22.44	+ 7 19.2	1.610	2.571	7.1	21.2
11 7	3 12.56	+ 6 35.1	1.612	2.591	4.3	21.1
11 17	3 2.51	+ 6 1.1	1.642	2.611	5.5	21.2
11 27	2 53.43	+ 5 41.4	1.701	2.631	8.9	21.5
12 7	2 46.25	+ 5 37.8	1.784	2.650	12.4	21.7
12 17	2 41.51	+ 5 50.3	1.890	2.668	15.4	22.0

29226 1992 DH_8 11 11.6 215°.60 0°.7/11.2 18

10 8	3 35.34	+18 3.2	1.848	2.683	14.1	19.5
10 18	3 29.79	+17 29.7	1.766	2.678	10.6	19.2
10 28	3 21.91	+16 47.0	1.708	2.672	6.5	19.0
11 7	3 12.47	+15 57.8	1.677	2.665	2.1	18.7
11 17	3 2.52	+15 6.2	1.675	2.658	2.8	18.7
11 27	2 53.25	+14 17.9	1.702	2.651	7.3	19.0
12 7	2 45.67	+13 38.2	1.755	2.643	11.4	19.2
12 17	2 40.49	+13 10.9	1.832	2.635	14.9	19.4

379565 2011 AS_{79} 11 11.6 262°.86 0°.9/12.1 18

10 8	3 36.37	+21 11.6	1.532	2.371	16.4	21.9
10 18	3 31.15	+21 3.3	1.451	2.362	12.5	21.6
10 28	3 23.03	+20 42.8	1.391	2.353	7.9	21.3
11 7	3 12.89	+20 11.1	1.356	2.343	2.9	21.0
11 17	3 2.01	+19 31.2	1.349	2.334	2.8	21.0
11 27	2 51.88	+18 48.8	1.368	2.324	7.9	21.3
12 7	2 43.82	+18 10.8	1.414	2.314	12.7	21.5
12 17	2 38.69	+17 42.8	1.481	2.304	16.8	21.8

140254 2001 SK_{257} 11 11.6 355°.74 0°.6/11.9 18

10 8	3 33.36	+19 44.6	1.716	2.556	14.8	20.4
10 18	3 28.50	+19 46.4	1.642	2.555	11.2	20.2
10 28	3 21.20	+19 39.3	1.591	2.553	7.0	20.0
11 7	3 12.26	+19 24.5	1.565	2.552	2.5	19.7
11 17	3 2.77	+19 4.3	1.566	2.551	2.5	19.7
11 27	2 54.01	+18 42.9	1.596	2.551	7.0	20.0
12 7	2 47.02	+18 25.0	1.651	2.551	11.2	20.2
12 17	2 42.55	+18 14.3	1.730	2.552	14.8	20.5

454200 2013 GN_{131} 11 11.6 171°.54 5°.7/ 7.7 18

10 8	3 33.44	− 0 31.0	2.427	3.256	11.4	21.9
10 18	3 27.68	− 1 9.3	2.362	3.258	9.0	21.7
10 28	3 20.29	− 1 41.4	2.322	3.261	6.8	21.6
11 7	3 11.90	− 2 3.0	2.310	3.263	5.7	21.5
11 17	3 3.23	− 2 11.0	2.327	3.264	6.6	21.6
11 27	2 55.10	− 2 3.2	2.372	3.265	8.6	21.7
12 7	2 48.22	− 1 39.4	2.443	3.266	11.0	21.9
12 17	2 43.07	− 1 0.8	2.537	3.266	13.2	22.1

19139 Apian 11 11.6 19°.11 0°.2/11.7 18

10 8	3 36.29	+17 31.6	1.548	2.393	15.9	17.2
10 18	3 30.87	+17 45.7	1.480	2.395	12.0	17.0
10 28	3 22.73	+17 53.2	1.434	2.398	7.4	16.7
11 7	3 12.76	+17 54.9	1.413	2.401	2.4	16.4
11 17	3 2.22	+17 52.7	1.419	2.404	2.7	16.5
11 27	2 52.50	+17 50.0	1.453	2.408	7.7	16.8
12 7	2 44.82	+17 50.9	1.512	2.412	12.1	17.0
12 17	2 39.92	+17 58.6	1.594	2.416	15.8	17.3

384788 2012 PH_{37} 11 11.6 61°.02 1°.0/12.2 18

10 8	3 36.69	+21 7.4	1.433	2.275	17.1	20.5
10 18	3 31.19	+21 2.0	1.376	2.289	12.9	20.2
10 28	3 22.86	+20 44.5	1.341	2.303	8.1	20.0
11 7	3 12.77	+20 16.4	1.330	2.317	2.9	19.7
11 17	3 2.28	+19 41.3	1.346	2.331	2.8	19.8
11 27	2 52.87	+19 4.9	1.389	2.345	7.7	20.1
12 7	2 45.71	+18 33.6	1.457	2.360	12.2	20.4
12 17	2 41.48	+18 12.1	1.548	2.374	16.0	20.7

354677 2005 NH_{72} 11 11.6 75°.48 3°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.64	+10 4.6	1.880	2.728	13.4	20.9
10 18	3 27.44	+ 9 16.5	1.824	2.742	10.0	20.7
10 28	3 20.26	+ 8 27.1	1.793	2.755	6.4	20.6
11 7	3 11.89	+ 7 40.9	1.788	2.769	3.6	20.4
11 17	3 3.28	+ 7 2.7	1.812	2.783	4.8	20.5
11 27	2 55.44	+ 6 36.6	1.864	2.797	8.1	20.8
12 7	2 49.19	+ 6 25.0	1.942	2.811	11.4	21.0
12 17	2 45.06	+ 6 28.6	2.042	2.824	14.3	21.2

21432 Polingloh 11 11.6 179°.00 0°.9/12.2 18 R

10 8	3 36.85	+22 44.4	1.671	2.500	15.7	19.7
10 18	3 31.12	+22 14.0	1.596	2.501	11.9	19.4
10 28	3 22.80	+21 29.2	1.543	2.502	7.5	19.2
11 7	3 12.77	+20 32.2	1.516	2.503	2.8	18.9
11 17	3 2.26	+19 27.2	1.518	2.503	2.6	18.9
11 27	2 52.60	+18 21.1	1.548	2.502	7.3	19.2
12 7	2 44.93	+17 21.2	1.604	2.501	11.7	19.4
12 17	2 39.95	+16 33.1	1.684	2.500	15.4	19.7

353325 2010 LQ_{63} 11 11.6 271°.78 6°.4/ 7.2 18

10 8	3 32.22	+ 3 46.6	1.809	2.659	13.8	20.9
10 18	3 27.45	+ 2 30.9	1.732	2.644	10.7	20.7
10 28	3 20.49	+ 1 16.7	1.678	2.629	7.8	20.5
11 7	3 12.04	+ 0 10.8	1.650	2.614	6.4	20.4
11 17	3 3.06	− 0 39.9	1.650	2.598	7.7	20.4
11 27	2 54.65	− 1 10.0	1.676	2.582	10.7	20.6
12 7	2 47.79	− 1 17.2	1.726	2.567	14.0	20.7
12 17	2 43.16	− 1 1.9	1.797	2.551	17.0	20.9

74963 1999 TX_{200} 11 11.6 131°.83 2°.4/10.2 18

10 8	3 36.14	+15 23.7	1.563	2.411	15.7	19.4
10 18	3 30.49	+14 22.9	1.501	2.419	11.7	19.2
10 28	3 22.32	+13 13.9	1.462	2.428	7.1	19.0
11 7	3 12.59	+12 1.7	1.449	2.435	2.9	18.7
11 17	3 2.51	+10 53.2	1.464	2.443	4.2	18.8
11 27	2 53.38	+ 9 55.4	1.507	2.450	8.7	19.1
12 7	2 46.25	+ 9 13.6	1.575	2.456	12.8	19.4
12 17	2 41.75	+ 8 50.3	1.665	2.463	16.4	19.6

284766 2008 WX_{73} 11 11.6 353°.17 1°.5/11.0 18

10 8	3 32.73	+14 37.3	1.283	2.148	17.3	20.0
10 18	3 28.66	+14 35.3	1.216	2.143	13.0	19.7
10 28	3 21.59	+14 28.2	1.169	2.138	8.0	19.5
11 7	3 12.45	+14 18.7	1.146	2.134	2.8	19.1
11 17	3 2.60	+14 10.3	1.149	2.132	3.7	19.2
11 27	2 53.63	+14 7.6	1.176	2.130	9.1	19.5
12 7	2 46.88	+14 14.5	1.227	2.130	14.0	19.8
12 17	2 43.18	+14 33.3	1.298	2.131	18.1	20.0

156823 2003 BV_{60} 11 11.6 324°.65 0°.2/11.7 18

10 8	3 33.26	+19 39.4	1.362	2.216	17.2	20.3
10 18	3 29.04	+19 20.1	1.287	2.207	13.0	20.0
10 28	3 21.83	+18 48.3	1.232	2.198	8.1	19.7
11 7	3 12.54	+18 6.4	1.201	2.189	2.7	19.4
11 17	3 2.50	+17 19.0	1.196	2.181	3.0	19.4
11 27	2 53.29	+16 32.9	1.217	2.173	8.6	19.7
12 7	2 46.26	+15 55.1	1.262	2.166	13.6	20.0
12 17	2 42.26	+15 31.0	1.328	2.160	17.8	20.2

137531 1999 VX_{58} 11 11.6 5°.28 0°.4/11.8 18

10 8	3 36.41	+17 7.4	1.128	1.993	19.2	19.1
10 18	3 31.81	+17 36.1	1.067	1.992	14.6	18.9
10 28	3 23.71	+17 58.2	1.025	1.992	9.1	18.6
11 7	3 13.17	+18 13.7	1.006	1.994	3.0	18.2
11 17	3 1.81	+18 24.1	1.011	1.996	3.3	18.2
11 27	2 51.53	+18 33.0	1.041	2.000	9.3	18.6
12 7	2 43.90	+18 44.9	1.093	2.004	14.6	18.9
12 17	2 39.85	+19 3.9	1.166	2.009	19.1	19.2

126517 2002 CJ_{77} 11 11.6 123°.74 0°.6/12.1 18

10 8	3 33.04	+20 44.8	2.208	3.032	12.5	20.1
10 18	3 27.70	+20 34.4	2.133	3.037	9.4	19.9
10 28	3 20.46	+20 15.5	2.083	3.042	5.9	19.7
11 7	3 11.99	+19 49.3	2.060	3.047	2.1	19.4
11 17	3 3.18	+19 18.5	2.066	3.051	2.0	19.4
11 27	2 54.97	+18 46.6	2.103	3.056	5.8	19.7
12 7	2 48.20	+18 17.9	2.167	3.060	9.3	19.9
12 17	2 43.43	+17 55.6	2.255	3.064	12.2	20.1

71663 2000 EY_{138} 11 11.7 286°.93 2°.7/10.1 17

10 8	3 33.56	+ 8 56.0	2.291	3.128	11.7	19.2
10 18	3 28.06	+ 8 52.8	2.207	3.118	8.8	19.0
10 28	3 20.70	+ 8 50.4	2.148	3.108	5.6	18.8
11 7	3 12.10	+ 8 51.2	2.116	3.098	3.0	18.6
11 17	3 3.04	+ 8 57.2	2.114	3.088	3.8	18.6
11 27	2 54.44	+ 9 10.6	2.142	3.078	6.9	18.8
12 7	2 47.11	+ 9 32.8	2.197	3.069	10.1	19.0
12 17	2 41.66	+10 4.2	2.276	3.059	13.0	19.2

473284 2015 OE_{42} 11 11.7 40°.73 2°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.96	+14 39.3	1.574	2.429	15.2	21.0
10 18	3 27.30	+13 51.7	1.520	2.442	11.2	20.7
10 28	3 20.33	+12 57.9	1.489	2.456	6.9	20.5
11 7	3 11.95	+12 2.9	1.484	2.471	2.8	20.3
11 17	3 3.29	+11 12.2	1.506	2.486	4.0	20.4
11 27	2 55.55	+10 31.6	1.555	2.501	8.2	20.7
12 7	2 49.66	+10 5.1	1.629	2.517	12.1	21.0
12 17	2 46.20	+ 9 54.6	1.725	2.533	15.5	21.3

210118 2006 RG_{31} 11 11.7 77°.72 1°.1/12.4 18

10 8	3 35.29	+22 25.3	1.841	2.668	14.5	20.6
10 18	3 29.56	+22 9.1	1.783	2.688	11.0	20.4
10 28	3 21.62	+21 41.5	1.749	2.707	6.9	20.2
11 7	3 12.36	+21 4.2	1.741	2.727	2.6	20.0
11 17	3 2.85	+20 20.6	1.761	2.746	2.3	20.0
11 27	2 54.23	+19 35.8	1.811	2.765	6.4	20.3
12 7	2 47.41	+18 55.2	1.888	2.785	10.2	20.6
12 17	2 42.96	+18 23.0	1.988	2.803	13.4	20.8

475331 2006 AY_{18} 11 11.7 28°.62 5°.9/15.5 18

10 8	3 36.26	+34 4.0	1.603	2.401	17.6	21.0
10 18	3 31.13	+34 13.4	1.529	2.402	14.4	20.7
10 28	3 23.01	+33 59.9	1.474	2.404	10.7	20.5
11 7	3 12.90	+33 21.4	1.443	2.406	7.3	20.3
11 17	3 2.18	+32 19.1	1.438	2.407	6.0	20.3
11 27	2 52.46	+30 59.4	1.460	2.409	8.2	20.4
12 7	2 45.01	+29 32.1	1.507	2.411	11.8	20.6
12 17	2 40.62	+28 7.2	1.578	2.414	15.3	20.8

454619 2014 QT_{90} 11 11.7 47°.69 4°.5/ 8.3 17

10 8	3 30.08	+ 7 45.2	1.965	2.816	12.8	21.6
10 18	3 25.52	+ 6 38.1	1.906	2.823	9.6	21.4
10 28	3 19.10	+ 5 30.8	1.872	2.831	6.5	21.2
11 7	3 11.56	+ 4 29.0	1.864	2.839	4.5	21.1
11 17	3 3.75	+ 3 37.9	1.885	2.847	5.7	21.2
11 27	2 56.60	+ 3 2.2	1.934	2.855	8.6	21.4
12 7	2 50.90	+ 2 44.0	2.008	2.864	11.7	21.6
12 17	2 47.17	+ 2 43.7	2.104	2.872	14.4	21.8

361187 2006 QW_{70} 11 11.7 324°.06 5°.6/14.4 17

10 8	3 34.94	+30 22.1	1.613	2.426	16.9	20.9
10 18	3 30.35	+31 5.0	1.526	2.412	13.7	20.6
10 28	3 22.73	+31 31.7	1.460	2.398	10.0	20.4
11 7	3 12.89	+31 38.7	1.418	2.385	6.7	20.1
11 17	3 2.10	+31 24.7	1.401	2.372	5.8	20.1
11 27	2 51.95	+30 53.0	1.410	2.360	8.4	20.2
12 7	2 43.89	+30 10.5	1.445	2.349	12.2	20.4
12 17	2 38.89	+29 25.6	1.502	2.338	15.9	20.6

494407 2016 UZ_{60} 11 11.7 28°.94 2°.1/10.8 18

10 8	3 36.45	+12 53.9	1.326	2.185	17.3	20.5
10 18	3 31.19	+12 54.9	1.268	2.191	12.9	20.3
10 28	3 23.00	+12 53.1	1.231	2.198	7.9	20.0
11 7	3 12.89	+12 51.2	1.219	2.206	3.0	19.8
11 17	3 2.25	+12 52.3	1.232	2.214	4.0	19.8
11 27	2 52.64	+13 0.0	1.272	2.223	9.0	20.2
12 7	2 45.31	+13 17.0	1.335	2.232	13.6	20.5
12 17	2 40.99	+13 44.9	1.420	2.242	17.5	20.7

328784 2009 UB_{147} 11 11.7 344°.46 0°.2/11.8 18

10 8	3 30.17	+21 6.2	2.169	3.000	12.5	20.7
10 18	3 25.62	+20 24.5	2.090	2.998	9.4	20.5
10 28	3 19.21	+19 32.3	2.036	2.997	5.8	20.3
11 7	3 11.62	+18 32.2	2.008	2.996	1.9	20.0
11 17	3 3.69	+17 28.2	2.010	2.994	2.1	20.0
11 27	2 56.34	+16 25.5	2.041	2.993	6.0	20.3
12 7	2 50.39	+15 29.4	2.100	2.993	9.5	20.5
12 17	2 46.39	+14 43.8	2.184	2.992	12.6	20.7

485682 2011 WR_{132} 11 11.7 305°.41 2°.3/10.5 18

10 8	3 34.72	+11 33.6	1.816	2.661	13.9	20.8
10 18	3 29.38	+11 27.8	1.737	2.653	10.5	20.6
10 28	3 21.71	+11 20.5	1.682	2.646	6.5	20.3
11 7	3 12.48	+11 14.4	1.653	2.639	2.8	20.1
11 17	3 2.68	+11 12.1	1.653	2.632	3.8	20.1
11 27	2 53.49	+11 16.8	1.681	2.625	7.8	20.4
12 7	2 45.94	+11 30.8	1.735	2.619	11.7	20.6
12 17	2 40.75	+11 55.2	1.812	2.612	15.1	20.8

163935 2003 SG_{321} 11 11.7 121°.72 0°.1/11.6 18

10 8	3 34.85	+19 28.4	1.918	2.750	13.8	21.0
10 18	3 29.22	+19 2.0	1.850	2.759	10.4	20.8
10 28	3 21.45	+18 26.4	1.806	2.768	6.4	20.6
11 7	3 12.34	+17 43.9	1.790	2.777	2.0	20.3
11 17	3 2.90	+16 58.3	1.802	2.786	2.4	20.4
11 27	2 54.22	+16 14.6	1.843	2.794	6.6	20.7
12 7	2 47.22	+15 37.5	1.911	2.803	10.4	20.9
12 17	2 42.50	+15 10.7	2.004	2.810	13.6	21.1

429784 2012 HJ_7 11 11.7 171°.08 4°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.23	+ 9 17.2	1.569	2.418	15.5	21.5
10 18	3 31.39	+ 8 39.8	1.503	2.420	11.7	21.3
10 28	3 22.96	+ 8 1.4	1.460	2.422	7.5	21.1
11 7	3 12.87	+ 7 27.0	1.442	2.423	4.3	20.9
11 17	3 2.28	+ 7 1.7	1.452	2.424	5.5	21.0
11 27	2 52.55	+ 6 49.9	1.489	2.425	9.5	21.2
12 7	2 44.78	+ 6 54.1	1.551	2.425	13.5	21.5
12 17	2 39.68	+ 7 14.8	1.635	2.425	17.0	21.7

139736 2001 QO_{259} 11 11.7 123°.42 2°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.89	+28 45.2	2.406	3.198	12.6	20.5
10 18	3 29.66	+28 35.2	2.337	3.215	9.9	20.3
10 28	3 21.57	+28 11.8	2.292	3.232	6.8	20.2
11 7	3 12.35	+27 35.2	2.274	3.248	3.8	20.0
11 17	3 2.90	+26 47.7	2.286	3.264	3.0	20.0
11 27	2 54.16	+25 53.3	2.328	3.279	5.5	20.2
12 7	2 46.94	+24 57.4	2.400	3.294	8.4	20.4
12 17	2 41.75	+24 5.1	2.497	3.308	11.1	20.6

132954 2002 TT_{83} 11 11.7 112°.46 7°.3/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.71	− 0 46.1	1.977	2.817	13.2	20.1
10 18	3 27.38	− 2 8.3	1.928	2.829	10.5	20.0
10 28	3 20.20	− 3 23.4	1.904	2.841	8.2	19.8
11 7	3 11.91	− 4 24.5	1.907	2.853	7.3	19.8
11 17	3 3.42	− 5 6.3	1.937	2.864	8.4	19.9
11 27	2 55.64	− 5 25.5	1.993	2.875	10.6	20.1
12 7	2 49.37	− 5 21.9	2.074	2.886	13.1	20.3
12 17	2 45.10	− 4 57.3	2.174	2.896	15.3	20.4

407188 2009 UR_{97} 11 11.7 349°.08 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.20	+16 11.7	1.646	2.502	14.6	20.3
10 18	3 25.47	+15 47.2	1.571	2.493	10.9	20.0
10 28	3 19.39	+15 15.5	1.519	2.486	6.7	19.8
11 7	3 11.74	+14 39.7	1.491	2.479	2.3	19.5
11 17	3 3.56	+14 4.0	1.491	2.474	3.2	19.6
11 27	2 56.04	+13 33.6	1.517	2.469	7.7	19.8
12 7	2 50.21	+13 13.0	1.569	2.466	11.9	20.1
12 17	2 46.78	+13 5.1	1.643	2.463	15.5	20.3

511614 2015 BB_{25} 11 11.7 193°.82 3°.2/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.56	+12 0.4	1.696	2.541	14.8	21.7
10 18	3 30.78	+11 11.4	1.623	2.540	11.1	21.5
10 28	3 22.56	+10 17.9	1.574	2.538	7.0	21.2
11 7	3 12.74	+ 9 24.5	1.552	2.535	3.5	21.0
11 17	3 2.44	+ 8 36.9	1.557	2.532	4.8	21.1
11 27	2 52.91	+ 8 0.7	1.591	2.529	8.8	21.3
12 7	2 45.20	+ 7 39.8	1.651	2.524	12.8	21.6
12 17	2 40.01	+ 7 35.9	1.732	2.520	16.2	21.8

413807 2006 KQ_{18} 11 11.7 68°.06 4°.6/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.73	+ 3 52.7	2.337	3.177	11.4	20.6
10 18	3 25.76	+ 3 15.7	2.273	3.182	8.7	20.4
10 28	3 19.18	+ 2 42.1	2.235	3.186	6.1	20.2
11 7	3 11.60	+ 2 15.8	2.224	3.191	4.6	20.2
11 17	3 3.76	+ 2 0.2	2.241	3.196	5.5	20.2
11 27	2 56.46	+ 1 57.9	2.288	3.201	7.9	20.4
12 7	2 50.40	+ 2 9.6	2.360	3.206	10.5	20.6
12 17	2 46.05	+ 2 35.1	2.455	3.211	12.9	20.7

404065 2012 DQ_{39} 11 11.7 133°.98 3°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.52	+30 31.5	2.449	3.235	12.6	20.6
10 18	3 28.84	+30 48.1	2.370	3.241	10.0	20.5
10 28	3 21.20	+30 51.6	2.314	3.246	7.2	20.3
11 7	3 12.29	+30 41.0	2.285	3.251	4.6	20.2
11 17	3 2.97	+30 17.0	2.284	3.256	3.9	20.1
11 27	2 54.24	+29 42.6	2.313	3.260	5.8	20.2
12 7	2 46.94	+29 2.4	2.371	3.265	8.5	20.4
12 17	2 41.68	+28 21.5	2.454	3.269	11.2	20.6

273459 2006 XB_{43} 11 11.7 301°.50 3°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.52	+26 17.8	1.422	2.257	17.6	21.0
10 18	3 30.16	+26 14.1	1.337	2.242	13.8	20.7
10 28	3 22.66	+25 52.2	1.273	2.228	9.3	20.4
11 7	3 12.90	+25 11.2	1.231	2.213	4.7	20.1
11 17	3 2.24	+24 13.8	1.216	2.199	3.7	20.0
11 27	2 52.35	+23 6.7	1.227	2.185	8.2	20.2
12 7	2 44.70	+21 59.4	1.262	2.172	13.2	20.5
12 17	2 40.23	+21 0.5	1.319	2.158	17.5	20.7

77616 2001 KP_{37} 11 11.7 247°.30 2°.0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.12	+11 5.7	2.481	3.314	11.0	19.6
10 18	3 27.63	+10 58.7	2.395	3.305	8.3	19.4
10 28	3 20.41	+10 50.6	2.334	3.296	5.2	19.2
11 7	3 12.04	+10 43.7	2.302	3.286	2.4	19.0
11 17	3 3.26	+10 39.9	2.300	3.277	3.1	19.0
11 27	2 54.90	+10 41.6	2.327	3.267	6.3	19.2
12 7	2 47.73	+10 50.7	2.383	3.257	9.4	19.4
12 17	2 42.29	+11 8.2	2.464	3.247	12.1	19.5

31490 Swapnavdeka 11 11.7 163°.58 2°.2/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.39	+12 53.8	1.939	2.776	13.5	19.0
10 18	3 30.35	+12 27.9	1.868	2.781	10.1	18.8
10 28	3 22.16	+11 58.3	1.822	2.785	6.2	18.6
11 7	3 12.61	+11 28.2	1.803	2.789	2.6	18.4
11 17	3 2.66	+11 1.4	1.813	2.792	3.6	18.5
11 27	2 53.42	+10 41.6	1.853	2.794	7.4	18.7
12 7	2 45.81	+10 32.0	1.919	2.797	11.1	18.9
12 17	2 40.45	+10 34.4	2.009	2.798	14.2	19.2

184690 2005 SV_{95} 11 11.7 58°.72 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.30	+15 37.6	1.950	2.792	13.2	20.6
10 18	3 27.31	+15 8.5	1.881	2.796	9.9	20.3
10 28	3 20.31	+14 33.5	1.836	2.801	6.0	20.1
11 7	3 12.01	+13 55.7	1.818	2.806	2.1	19.9
11 17	3 3.36	+13 18.8	1.829	2.810	3.0	20.0
11 27	2 55.39	+12 47.3	1.868	2.815	6.9	20.2
12 7	2 48.96	+12 24.9	1.934	2.820	10.6	20.5
12 17	2 44.65	+12 13.9	2.023	2.825	13.7	20.7

7283 1989 TX_{15} 11 11.7 255°.00 2°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.64	+23 19.5	1.524	2.355	16.8	17.8
10 18	3 33.03	+23 37.1	1.442	2.346	13.1	17.5
10 28	3 24.34	+23 42.3	1.381	2.338	8.6	17.2
11 7	3 13.44	+23 33.9	1.345	2.329	3.9	16.9
11 17	3 1.68	+23 13.2	1.337	2.320	3.3	16.9
11 27	2 50.68	+22 44.5	1.355	2.311	7.9	17.1
12 7	2 41.85	+22 14.5	1.399	2.301	12.6	17.4
12 17	2 36.11	+21 49.7	1.465	2.292	16.7	17.6

43358 2000 UQ_{32} 11 11.7 85°.55 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.82	+15 25.0	2.070	2.908	12.7	19.4
10 18	3 27.59	+15 4.5	2.001	2.914	9.5	19.3
10 28	3 20.43	+14 39.0	1.957	2.921	5.8	19.0
11 7	3 12.05	+14 11.0	1.940	2.928	2.0	18.8
11 17	3 3.34	+13 43.6	1.952	2.934	2.8	18.9
11 27	2 55.28	+13 20.6	1.994	2.941	6.5	19.1
12 7	2 48.69	+13 5.2	2.062	2.947	10.0	19.4
12 17	2 44.13	+12 59.6	2.154	2.954	13.0	19.6

49036 Pelion 11 11.7 112°.59 0°.4/ 9.1 05 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 12.81	+ 7 57.3	20.484	21.316	1.5	23.8
10 18	3 11.56	+ 7 50.1	20.411	21.321	1.1	23.8
10 28	3 10.17	+ 7 42.9	20.367	21.325	0.7	23.7
11 7	3 8.68	+ 7 36.3	20.352	21.329	0.5	23.7
11 17	3 7.17	+ 7 30.4	20.368	21.334	0.6	23.7
11 27	3 5.70	+ 7 25.5	20.414	21.338	1.0	23.7
12 7	3 4.33	+ 7 21.8	20.489	21.342	1.3	23.8
12 17	3 3.11	+ 7 19.6	20.591	21.347	1.7	23.8

233405 2006 FO_{48} 11 11.7 162°.32 6°.8/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.58	− 0 15.3	2.126	2.961	12.6	21.3
10 18	3 27.99	− 1 30.8	2.067	2.966	10.0	21.2
10 28	3 20.60	− 2 40.5	2.034	2.971	7.7	21.1
11 7	3 12.10	− 3 38.1	2.028	2.976	6.8	21.0
11 17	3 3.33	− 4 18.6	2.050	2.979	7.8	21.1
11 27	2 55.20	− 4 38.5	2.099	2.983	10.1	21.2
12 7	2 48.47	− 4 37.0	2.173	2.985	12.6	21.4
12 17	2 43.68	− 4 15.8	2.268	2.987	14.8	21.6

383075 2005 SY_5 11 11.7 12°.04 0°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.83	+20 21.0	1.066	1.938	19.6	20.1
10 18	3 27.63	+20 1.7	1.012	1.941	14.8	19.8
10 28	3 21.09	+19 27.4	0.977	1.946	9.2	19.5
11 7	3 12.37	+18 41.4	0.964	1.952	3.1	19.2
11 17	3 3.05	+17 49.8	0.974	1.959	3.2	19.2
11 27	2 54.92	+17 1.1	1.008	1.968	9.2	19.6
12 7	2 49.38	+16 23.1	1.064	1.978	14.5	19.9
12 17	2 47.17	+16 0.9	1.139	1.990	18.9	20.2

262290 2006 SC_{392} 11 11.7 289°.46 1°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.52	+14 57.5	1.900	2.743	13.5	21.0
10 18	3 27.64	+14 27.6	1.822	2.738	10.1	20.7
10 28	3 20.60	+13 51.9	1.768	2.733	6.2	20.5
11 7	3 12.16	+13 13.5	1.741	2.728	2.3	20.2
11 17	3 3.24	+12 36.4	1.742	2.723	3.3	20.3
11 27	2 54.94	+12 5.2	1.771	2.718	7.3	20.5
12 7	2 48.20	+11 43.9	1.827	2.713	11.1	20.8
12 17	2 43.66	+11 34.9	1.906	2.708	14.4	21.0

63486 2001 OH_{55} 11 11.7 54°.38 0°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.94	+18 30.0	1.671	2.509	15.3	19.0
10 18	3 31.06	+18 45.1	1.614	2.525	11.5	18.8
10 28	3 22.71	+18 52.9	1.579	2.541	7.1	18.5
11 7	3 12.82	+18 54.1	1.570	2.557	2.4	18.3
11 17	3 2.55	+18 50.4	1.589	2.574	2.5	18.3
11 27	2 53.19	+18 45.3	1.636	2.590	7.0	18.7
12 7	2 45.77	+18 42.6	1.710	2.607	11.0	18.9
12 17	2 40.95	+18 45.5	1.806	2.624	14.4	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
181502 2006 UY_{27}			11 11.7 322.°59		1.°4/12.5 18	
	h m	° ′			°	m
10 8	3 35.00	+21 45.9	1.894	2.721	14.2	20.9
10 18	3 29.62	+21 55.9	1.815	2.719	10.8	20.6
10 28	3 21.89	+21 56.3	1.760	2.717	6.9	20.4
11 7	3 12.59	+21 47.5	1.731	2.716	2.8	20.2
11 17	3 2.74	+21 31.0	1.730	2.714	2.5	20.1
11 27	2 53.54	+21 10.4	1.758	2.713	6.5	20.4
12 7	2 46.03	+20 50.3	1.813	2.711	10.5	20.6
12 17	2 40.91	+20 35.0	1.891	2.710	13.9	20.8
479439 2013 YM_{104}			11 11.7 314.°48		4.°3/ 9.8 18	
10 8	3 34.76	+ 9 2.1	1.402	2.263	16.4	20.8
10 18	3 30.03	+ 8 36.9	1.328	2.251	12.5	20.5
10 28	3 22.43	+ 8 11.5	1.274	2.239	8.1	20.2
11 7	3 12.83	+ 7 50.7	1.245	2.228	4.5	20.0
11 17	3 2.47	+ 7 39.6	1.242	2.217	5.8	20.1
11 27	2 52.85	+ 7 42.5	1.265	2.206	10.2	20.3
12 7	2 45.27	+ 8 2.0	1.312	2.196	14.7	20.5
12 17	2 40.58	+ 8 38.2	1.378	2.187	18.6	20.8
404054 2012 DJ_{16}			11 11.7 284.°57		5.°4/ 7.7 18	
10 8	3 30.38	+ 3 41.6	2.136	2.981	12.1	20.5
10 18	3 25.76	+ 2 42.7	2.063	2.973	9.4	20.4
10 28	3 19.33	+ 1 46.4	2.015	2.966	6.8	20.2
11 7	3 11.73	+ 0 57.9	1.994	2.958	5.4	20.1
11 17	3 3.76	+ 0 22.0	2.001	2.951	6.5	20.1
11 27	2 56.30	+ 0 2.6	2.035	2.943	9.1	20.3
12 7	2 50.15	+ 0 1.2	2.095	2.936	11.9	20.5
12 17	2 45.87	+ 0 17.6	2.176	2.928	14.4	20.6
267974 2004 FU_{115}			11 11.7 193.°21		0.°8/11.2 18	
10 8	3 38.19	+16 19.2	2.069	2.895	13.2	21.4
10 18	3 31.72	+16 7.0	1.987	2.893	9.9	21.1
10 28	3 23.07	+15 49.1	1.929	2.891	6.1	20.9
11 7	3 12.96	+15 27.0	1.900	2.887	2.0	20.6
11 17	3 2.36	+15 3.5	1.900	2.883	2.6	20.7
11 27	2 52.38	+14 42.4	1.931	2.878	6.7	20.9
12 7	2 43.97	+14 27.2	1.989	2.872	10.5	21.2
12 17	2 37.81	+14 20.7	2.072	2.865	13.7	21.4
344220 2001 RV_{83}			11 11.7 34.°60		2.°7/10.3 18	
10 8	3 32.98	+15 13.9	1.116	1.989	18.8	20.1
10 18	3 28.76	+14 19.6	1.074	2.005	13.9	19.9
10 28	3 21.51	+13 17.0	1.052	2.022	8.5	19.6
11 7	3 12.44	+12 12.9	1.053	2.041	3.4	19.4
11 17	3 3.08	+11 15.2	1.079	2.060	4.8	19.5
11 27	2 55.02	+10 31.7	1.129	2.080	9.9	19.9
12 7	2 49.44	+10 7.1	1.202	2.101	14.6	20.2
12 17	2 46.92	+10 2.7	1.295	2.122	18.5	20.5
160814 2000 WA_{42}			11 11.7 159.°16		0.°5/11.9 18	
10 8	3 39.42	+18 22.7	1.913	2.739	14.1	19.5
10 18	3 32.82	+18 42.1	1.838	2.743	10.7	19.3
10 28	3 23.82	+18 55.3	1.787	2.746	6.7	19.1
11 7	3 13.21	+19 2.5	1.763	2.750	2.3	18.8
11 17	3 2.08	+19 4.6	1.768	2.753	2.4	18.8
11 27	2 51.65	+19 4.5	1.803	2.755	6.7	19.1
12 7	2 42.97	+19 5.4	1.866	2.758	10.6	19.3
12 17	2 36.75	+19 10.7	1.953	2.760	13.9	19.6
47863 2000 EC_{180}			11 11.7 359.°47		3.°6/ 9.3 18	
10 8	3 31.60	+ 7 28.7	2.204	3.046	11.9	19.1
10 18	3 26.59	+ 7 1.7	2.133	3.046	9.0	18.9
10 28	3 19.80	+ 6 35.7	2.087	3.046	5.9	18.7
11 7	3 11.87	+ 6 14.2	2.068	3.046	3.7	18.5
11 17	3 3.61	+ 6 0.5	2.079	3.046	4.6	18.6
11 27	2 55.90	+ 5 57.3	2.117	3.046	7.5	18.8
12 7	2 49.49	+ 6 6.3	2.183	3.046	10.5	19.0
12 17	2 44.93	+ 6 27.7	2.271	3.047	13.2	19.2
268927 2007 DR_{1}			11 11.7 187.°48		3.°9/14.4 18	
10 8	3 39.13	+30 30.5	2.148	2.934	14.1	21.6
10 18	3 32.59	+30 38.1	2.062	2.933	11.3	21.4
10 28	3 23.67	+30 30.2	1.998	2.932	8.0	21.2
11 7	3 13.17	+30 5.3	1.962	2.931	5.0	21.0
11 17	3 2.14	+29 24.6	1.954	2.928	4.1	21.0
11 27	2 51.80	+28 31.9	1.976	2.925	6.5	21.1
12 7	2 43.19	+27 33.7	2.027	2.920	9.8	21.3
12 17	2 37.03	+26 36.6	2.102	2.916	12.8	21.5
473549 2015 XS_{196}			11 11.7 241.°03		1.°4/12.8 18	
10 8	3 31.46	+24 26.0	2.326	3.142	12.3	20.7
10 18	3 26.57	+23 59.4	2.241	3.138	9.4	20.5
10 28	3 19.83	+23 21.1	2.179	3.133	6.1	20.2
11 7	3 11.89	+22 32.5	2.145	3.129	2.6	20.0
11 17	3 3.59	+21 36.3	2.141	3.125	2.1	20.0
11 27	2 55.84	+20 37.2	2.166	3.120	5.5	20.2
12 7	2 49.44	+19 40.4	2.220	3.116	8.9	20.4
12 17	2 44.95	+18 50.5	2.299	3.111	11.9	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
343249 2009 XL_{7}			11 11.7 265.°51		4.°1/ 9.4 18	
	h m	° ′			°	m
10 8	3 34.57	+ 9 21.8	1.636	2.488	14.9	20.7
10 18	3 29.44	+ 8 39.9	1.563	2.481	11.2	20.4
10 28	3 21.85	+ 7 56.5	1.512	2.474	7.3	20.2
11 7	3 12.60	+ 7 16.4	1.487	2.467	4.3	20.0
11 17	3 2.79	+ 6 45.1	1.489	2.460	5.5	20.1
11 27	2 53.68	+ 6 27.4	1.518	2.453	9.4	20.3
12 7	2 46.37	+ 6 26.2	1.572	2.446	13.3	20.5
12 17	2 41.58	+ 6 42.3	1.648	2.439	16.8	20.7
222236 2000 GW_{171}			11 11.7 238.°91		2.°4/12.7 18	
10 8	3 40.57	+22 34.9	1.749	2.569	15.5	20.5
10 18	3 34.20	+23 9.5	1.661	2.560	12.0	20.3
10 28	3 24.97	+23 35.0	1.596	2.550	7.9	20.0
11 7	3 13.67	+23 49.6	1.558	2.541	3.7	19.7
11 17	3 1.51	+23 53.1	1.548	2.530	3.2	19.7
11 27	2 49.95	+23 48.1	1.567	2.520	7.4	19.9
12 7	2 40.32	+23 39.2	1.612	2.509	11.6	20.1
12 17	2 33.53	+23 31.8	1.681	2.498	15.4	20.4
353792 2012 QR_{19}			11 11.7 71.°34		2.°3/10.5 18	
10 8	3 37.43	+14 4.3	1.457	2.308	16.4	20.4
10 18	3 31.43	+13 29.0	1.412	2.331	12.2	20.2
10 28	3 22.88	+12 48.6	1.389	2.355	7.4	20.0
11 7	3 12.85	+12 7.5	1.391	2.378	2.9	19.8
11 17	3 2.62	+11 30.8	1.421	2.401	4.1	19.9
11 27	2 53.54	+11 3.8	1.479	2.425	8.5	20.3
12 7	2 46.62	+10 49.9	1.561	2.447	12.6	20.6
12 17	2 42.42	+10 50.7	1.665	2.470	16.0	20.8
487556 2014 VF_{37}			11 11.7 30.°20		2.°0/13.1 18	
10 8	3 31.00	+25 52.1	1.820	2.646	14.7	19.9
10 18	3 26.56	+25 22.9	1.755	2.656	11.3	19.7
10 28	3 19.92	+24 38.4	1.712	2.667	7.4	19.5
11 7	3 11.92	+23 40.7	1.694	2.677	3.4	19.3
11 17	3 3.61	+22 33.7	1.705	2.689	2.6	19.3
11 27	2 56.11	+21 23.8	1.744	2.701	6.4	19.6
12 7	2 50.34	+20 17.8	1.810	2.713	10.2	19.8
12 17	2 46.87	+19 21.2	1.899	2.726	13.5	20.0
41030 1999 UQ_{46}			11 11.7 144.°21		6.°9/ 6.7 18	
10 8	3 32.53	+ 1 52.3	1.863	2.710	13.6	17.9
10 18	3 27.46	+ 0 24.9	1.806	2.714	10.6	17.7
10 28	3 20.38	− 0 58.3	1.773	2.718	8.0	17.6
11 7	3 12.07	− 2 9.7	1.766	2.721	6.9	17.5
11 17	3 3.44	− 3 3.2	1.787	2.725	8.1	17.6
11 27	2 55.52	− 3 34.1	1.834	2.728	10.7	17.8
12 7	2 49.16	− 3 41.4	1.905	2.731	13.5	18.0
12 17	2 44.91	− 3 26.3	1.997	2.734	16.1	18.2
349695 2008 XA_{4}			11 11.7 353.°56		7.°7/ 9.4 18	
10 8	3 35.70	+ 0 21.0	1.259	2.120	17.8	19.2
10 18	3 30.83	+ 0 11.3	1.197	2.114	14.1	18.9
10 28	3 22.94	+ 0 13.7	1.156	2.109	10.3	18.7
11 7	3 13.00	+ 0 34.3	1.137	2.106	7.8	18.6
11 17	3 2.39	+ 1 16.9	1.143	2.103	8.8	18.6
11 27	2 52.70	+ 2 22.2	1.174	2.102	12.3	18.8
12 7	2 45.28	+ 3 47.5	1.227	2.101	16.2	19.0
12 17	2 40.93	+ 5 28.2	1.300	2.102	19.8	19.3
239508 2007 VG_{215}			11 11.7 42.°86		1.°1/12.1 18	
10 8	3 38.98	+18 59.3	1.364	2.210	17.6	19.6
10 18	3 32.92	+19 29.1	1.319	2.233	13.2	19.4
10 28	3 23.97	+19 50.1	1.295	2.257	8.2	19.2
11 7	3 13.25	+20 2.2	1.295	2.282	3.0	19.0
11 17	3 2.20	+20 7.0	1.323	2.308	2.8	19.0
11 27	2 52.38	+20 8.0	1.377	2.334	7.8	19.4
12 7	2 44.95	+20 9.9	1.456	2.360	12.2	19.7
12 17	2 40.56	+20 16.5	1.558	2.386	15.8	20.0
62927 2000 VT_{14}			11 11.7 356.°26		2.°4/10.5 18	
10 8	3 34.84	+10 35.3	1.954	2.795	13.2	19.3
10 18	3 29.27	+10 34.8	1.880	2.794	9.9	19.0
10 28	3 21.58	+10 34.1	1.831	2.794	6.2	18.8
11 7	3 12.50	+10 35.4	1.809	2.793	2.8	18.6
11 17	3 2.96	+10 41.1	1.815	2.793	3.7	18.7
11 27	2 54.03	+10 53.4	1.850	2.793	7.4	18.9
12 7	2 46.65	+11 14.2	1.913	2.793	11.0	19.1
12 17	2 41.46	+11 44.0	1.998	2.793	14.1	19.3
407240 2009 WP_{98}			11 11.7 6.°91		1.°7/12.7 18	
10 8	3 33.91	+22 19.2	2.085	2.908	13.2	20.5
10 18	3 28.63	+22 36.3	2.007	2.908	10.1	20.3
10 28	3 21.22	+22 44.7	1.953	2.909	6.5	20.1
11 7	3 12.39	+22 44.3	1.925	2.909	2.9	19.8
11 17	3 3.08	+22 36.1	1.927	2.910	2.4	19.8
11 27	2 54.35	+22 23.2	1.957	2.912	6.0	20.1
12 7	2 47.15	+22 9.3	2.015	2.913	9.6	20.3
12 17	2 42.12	+21 58.3	2.097	2.915	12.7	20.5

320071 2007 EF_{45} 11 11.7 150°.59 1°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.01	+14 21.6	2.690	3.521	10.4	21.7
10 18	3 25.84	+13 44.7	2.618	3.528	7.7	21.6
10 28	3 19.21	+13 3.8	2.572	3.534	4.7	21.4
11 7	3 11.68	+12 21.7	2.555	3.541	1.9	21.2
11 17	3 3.92	+11 41.3	2.568	3.547	2.7	21.3
11 27	2 56.64	+11 6.1	2.612	3.552	5.6	21.5
12 7	2 50.49	+10 38.9	2.684	3.558	8.5	21.7
12 17	2 45.91	+10 21.5	2.781	3.562	10.9	21.9

209695 2005 EK_{31} 11 11.7 250°.26 1°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.39	+14 35.8	2.048	2.887	12.8	21.3
10 18	3 28.23	+13 53.4	1.959	2.872	9.6	21.1
10 28	3 20.99	+13 4.5	1.894	2.857	5.9	20.8
11 7	3 12.33	+12 12.6	1.856	2.842	2.4	20.6
11 17	3 3.15	+11 22.2	1.848	2.827	3.5	20.6
11 27	2 54.49	+10 38.2	1.868	2.811	7.3	20.8
12 7	2 47.26	+10 5.0	1.916	2.794	11.1	21.0
12 17	2 42.14	+ 9 45.4	1.987	2.777	14.3	21.2

71643 2000 EJ_{103} 11 11.7 322°.63 3°.3/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.28	+ 7 22.0	1.867	2.709	13.7	18.1
10 18	3 30.64	+ 7 38.4	1.778	2.691	10.5	17.9
10 28	3 22.62	+ 7 58.8	1.713	2.673	6.8	17.6
11 7	3 12.91	+ 8 25.4	1.674	2.656	3.6	17.4
11 17	3 2.47	+ 8 59.7	1.664	2.640	4.5	17.4
11 27	2 52.51	+ 9 43.1	1.683	2.624	8.2	17.6
12 7	2 44.11	+10 35.7	1.729	2.608	12.0	17.8
12 17	2 38.05	+11 37.2	1.798	2.593	15.4	18.0

323027 2002 QG_{66} 11 11.7 165°.30 8°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.84	− 9 21.6	2.601	3.414	11.2	20.7
10 18	3 24.99	−10 36.1	2.549	3.416	9.5	20.6
10 28	3 18.70	−11 39.6	2.522	3.418	8.4	20.6
11 7	3 11.52	−12 27.0	2.521	3.420	8.1	20.5
11 17	3 4.12	−12 54.3	2.547	3.422	8.9	20.6
11 27	2 57.20	−12 59.4	2.597	3.423	10.4	20.7
12 7	2 51.40	−12 42.9	2.671	3.425	12.0	20.8
12 17	2 47.15	−12 6.7	2.765	3.426	13.6	21.0

116331 2003 YS_{74} 11 11.7 33°.15 0°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.75	+20 30.5	1.595	2.436	15.7	19.6
10 18	3 29.68	+20 29.9	1.529	2.441	11.9	19.4
10 28	3 22.02	+20 19.0	1.485	2.447	7.5	19.1
11 7	3 12.67	+19 59.0	1.466	2.453	2.7	18.9
11 17	3 2.83	+19 32.7	1.474	2.460	2.6	18.9
11 27	2 53.84	+19 4.9	1.510	2.466	7.3	19.2
12 7	2 46.82	+18 40.9	1.572	2.473	11.6	19.5
12 17	2 42.47	+18 25.0	1.656	2.481	15.2	19.7

233977 1994 UK_{9} 11 11.7 113°.03 3°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.17	+27 43.8	2.070	2.866	14.2	20.8
10 18	3 33.27	+28 15.5	2.003	2.883	11.2	20.6
10 28	3 24.04	+28 34.3	1.959	2.899	7.7	20.4
11 7	3 13.29	+28 38.6	1.942	2.915	4.6	20.3
11 17	3 2.14	+28 28.9	1.954	2.930	3.8	20.2
11 27	2 51.77	+28 8.1	1.996	2.945	6.4	20.4
12 7	2 43.21	+27 41.5	2.066	2.960	9.6	20.7
12 17	2 37.11	+27 14.5	2.161	2.974	12.6	20.9

396044 2013 CH_{35} 11 11.7 325°.78 4°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.23	+ 9 29.0	1.724	2.579	14.1	20.7
10 18	3 26.79	+ 8 26.2	1.653	2.574	10.6	20.5
10 28	3 20.15	+ 7 20.9	1.606	2.569	6.9	20.3
11 7	3 12.05	+ 6 18.8	1.586	2.565	4.4	20.1
11 17	3 3.52	+ 5 26.2	1.592	2.560	5.7	20.2
11 27	2 55.66	+ 4 48.6	1.626	2.556	9.3	20.4
12 7	2 49.43	+ 4 29.5	1.684	2.552	12.9	20.6
12 17	2 45.47	+ 4 29.6	1.764	2.549	16.1	20.8

509640 2008 GP_{1} 11 11.7 188°.74 2°.2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.35	+24 22.2	1.909	2.722	14.7	22.3
10 18	3 32.91	+24 28.0	1.827	2.721	11.3	22.1
10 28	3 23.96	+24 21.6	1.768	2.720	7.5	21.8
11 7	3 13.32	+24 2.7	1.736	2.718	3.5	21.6
11 17	3 2.09	+23 32.9	1.733	2.716	2.9	21.6
11 27	2 51.58	+22 56.3	1.759	2.713	6.7	21.8
12 7	2 42.89	+22 18.7	1.813	2.709	10.6	22.0
12 17	2 36.76	+21 45.7	1.891	2.704	14.1	22.2

387106 2012 TW_{143} 11 11.7 237°.03 1°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.98	+21 48.7	1.860	2.686	14.4	21.8
10 18	3 30.47	+21 34.7	1.772	2.677	11.0	21.6
10 28	3 22.50	+21 9.3	1.708	2.667	7.0	21.3
11 7	3 12.86	+20 33.5	1.670	2.656	2.6	21.0
11 17	3 2.60	+19 50.1	1.660	2.645	2.4	21.0
11 27	2 52.96	+19 4.1	1.680	2.634	6.9	21.2
12 7	2 45.05	+18 21.5	1.726	2.622	11.1	21.5
12 17	2 39.61	+17 47.3	1.796	2.610	14.7	21.7

485904 2012 FH_{82} 11 11.7 229°.10 4°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.93	+ 5 1.1	2.386	3.225	11.2	21.2
10 18	3 26.00	+ 4 14.9	2.311	3.220	8.6	21.0
10 28	3 19.42	+ 3 30.4	2.262	3.215	6.0	20.9
11 7	3 11.80	+ 2 52.0	2.240	3.210	4.4	20.8
11 17	3 3.84	+ 2 23.4	2.248	3.204	5.4	20.8
11 27	2 56.36	+ 2 7.8	2.284	3.198	7.9	21.0
12 7	2 50.06	+ 2 6.8	2.347	3.192	10.6	21.1
12 17	2 45.48	+ 2 20.6	2.432	3.186	13.0	21.3

309910 2009 EE_{30} 11 11.7 135°.28 1°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.73	+13 0.7	2.140	2.975	12.5	20.6
10 18	3 28.95	+12 41.5	2.072	2.983	9.3	20.4
10 28	3 21.27	+12 19.3	2.028	2.991	5.7	20.2
11 7	3 12.40	+11 56.7	2.013	2.999	2.3	20.0
11 17	3 3.20	+11 36.7	2.027	3.006	3.2	20.0
11 27	2 54.65	+11 22.5	2.070	3.013	6.7	20.3
12 7	2 47.55	+11 16.8	2.141	3.019	10.1	20.5
12 17	2 42.47	+11 21.1	2.236	3.026	13.0	20.7

164938 1999 XU_{151} 11 11.7 0°.07 3°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.30	+26 54.7	1.492	2.324	17.1	19.3
10 18	3 28.97	+27 0.5	1.420	2.322	13.4	19.1
10 28	3 21.78	+26 49.2	1.369	2.321	9.1	18.8
11 7	3 12.65	+26 20.2	1.341	2.321	4.9	18.6
11 17	3 2.89	+25 36.0	1.340	2.321	3.9	18.5
11 27	2 54.00	+24 42.3	1.365	2.322	7.7	18.8
12 7	2 47.25	+23 47.4	1.415	2.324	12.0	19.0
12 17	2 43.42	+22 58.5	1.487	2.326	15.9	19.3

228798 2003 AO_{33} 11 11.7 304°.76 0°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.71	+20 34.8	1.428	2.275	16.9	20.3
10 18	3 30.22	+20 30.1	1.344	2.260	12.9	20.0
10 28	3 22.70	+20 13.4	1.282	2.245	8.2	19.7
11 7	3 13.01	+19 45.7	1.244	2.231	3.0	19.3
11 17	3 2.42	+19 10.1	1.231	2.217	2.9	19.3
11 27	2 52.55	+18 32.4	1.246	2.203	8.3	19.6
12 7	2 44.80	+17 59.3	1.285	2.189	13.3	19.8
12 17	2 40.09	+17 36.7	1.344	2.176	17.7	20.1

321365 2009 OD_{1} 11 11.7 107°.84 0°.6/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.43	+21 13.1	1.695	2.520	15.7	21.9
10 18	3 33.50	+20 51.5	1.640	2.544	11.8	21.7
10 28	3 24.13	+20 18.3	1.608	2.568	7.3	21.5
11 7	3 13.30	+19 35.8	1.603	2.590	2.5	21.3
11 17	3 2.26	+18 47.8	1.627	2.612	2.5	21.3
11 27	2 52.30	+18 0.3	1.680	2.633	7.0	21.6
12 7	2 44.42	+17 18.8	1.760	2.653	11.1	21.9
12 17	2 39.20	+16 47.9	1.864	2.673	14.4	22.2

216810 2006 TT_{49} 11 11.7 344°.28 1°.2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.89	+15 6.6	1.788	2.632	14.2	20.0
10 18	3 28.81	+14 57.3	1.713	2.629	10.6	19.7
10 28	3 21.42	+14 43.1	1.663	2.627	6.5	19.5
11 7	3 12.50	+14 26.1	1.638	2.626	2.2	19.2
11 17	3 3.07	+14 9.6	1.641	2.624	3.0	19.3
11 27	2 54.32	+13 57.1	1.673	2.623	7.3	19.5
12 7	2 47.24	+13 52.3	1.731	2.621	11.3	19.8
12 17	2 42.52	+13 57.3	1.811	2.621	14.8	20.0

349645 2008 UJ_{270} 11 11.7 79°.88 1°.7/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.08	+15 40.7	1.664	2.511	14.9	20.9
10 18	3 29.03	+15 3.5	1.594	2.512	11.1	20.7
10 28	3 21.57	+14 18.9	1.548	2.513	6.8	20.5
11 7	3 12.54	+13 30.7	1.527	2.514	2.5	20.2
11 17	3 3.07	+12 43.8	1.534	2.515	3.5	20.3
11 27	2 54.37	+12 4.0	1.569	2.516	7.9	20.5
12 7	2 47.49	+11 35.8	1.629	2.517	12.1	20.8
12 17	2 43.09	+11 22.0	1.712	2.519	15.6	21.0

217810 2000 YS_{127} 11 11.7 293°.22 2°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.69	+26 10.6	2.117	2.928	13.4	20.2
10 18	3 28.60	+26 23.0	2.028	2.919	10.5	20.0
10 28	3 21.30	+26 23.6	1.962	2.910	7.2	19.8
11 7	3 12.48	+26 11.9	1.922	2.900	3.8	19.6
11 17	3 3.09	+25 48.7	1.911	2.891	3.1	19.5
11 27	2 54.22	+25 17.5	1.929	2.882	6.2	19.7
12 7	2 46.87	+24 43.2	1.974	2.873	9.7	19.9
12 17	2 41.75	+24 10.8	2.043	2.864	12.9	20.1

172913 2005 GM_{99} 11 11.7 139°.15 0°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.11	+19 27.9	1.943	2.775	13.7	20.9
10 18	3 28.79	+19 8.0	1.869	2.778	10.3	20.7
10 28	3 21.31	+18 39.2	1.819	2.781	6.4	20.5
11 7	3 12.45	+18 3.4	1.796	2.784	2.1	20.2
11 17	3 3.18	+17 24.1	1.802	2.786	2.3	20.3
11 27	2 54.60	+16 45.7	1.837	2.789	6.5	20.5
12 7	2 47.64	+16 13.1	1.898	2.791	10.4	20.8
12 17	2 42.91	+15 49.7	1.984	2.794	13.6	21.0

195747 2002 PD_{103} 11 11.7 137.°90 0.°7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.90	+17 11.1	2.709	3.536	10.4	20.9
10 18	3 25.78	+16 37.9	2.637	3.545	7.7	20.7
10 28	3 19.19	+15 59.2	2.591	3.553	4.7	20.5
11 7	3 11.72	+15 17.3	2.574	3.561	1.5	20.3
11 17	3 4.02	+14 34.9	2.587	3.569	2.1	20.4
11 27	2 56.82	+13 55.7	2.631	3.577	5.2	20.6
12 7	2 50.75	+13 22.6	2.703	3.584	8.1	20.8
12 17	2 46.25	+12 58.1	2.801	3.591	10.6	21.0

143748 2003 UA_{262} 11 11.7 1.°64 1.°9/12.7 18

10 8	3 34.22	+23 58.7	1.228	2.079	18.9	19.1
10 18	3 30.05	+23 40.7	1.162	2.078	14.5	18.8
10 28	3 22.62	+23 4.2	1.115	2.077	9.4	18.5
11 7	3 12.98	+22 10.8	1.091	2.077	3.9	18.2
11 17	3 2.65	+21 5.3	1.093	2.078	3.2	18.2
11 27	2 53.40	+19 56.6	1.119	2.079	8.6	18.5
12 7	2 46.64	+18 54.2	1.169	2.081	13.8	18.8
12 17	2 43.18	+18 5.5	1.240	2.083	18.2	19.1

33024 1997 PD_5 11 11.7 119.°39 2.°4/12.9 18

10 8	3 38.37	+24 27.5	1.373	2.209	18.1	18.6
10 18	3 32.89	+24 24.1	1.306	2.212	14.0	18.4
10 28	3 24.25	+24 4.2	1.258	2.216	9.1	18.1
11 7	3 13.49	+23 28.0	1.235	2.219	4.1	17.9
11 17	3 2.09	+22 38.9	1.238	2.222	3.3	17.8
11 27	2 51.74	+21 43.7	1.268	2.225	8.1	18.1
12 7	2 43.82	+20 51.0	1.322	2.228	13.0	18.4
12 17	2 39.13	+20 7.9	1.398	2.231	17.1	18.7

485030 2009 WJ_{99} 11 11.7 103.°18 0.°4/11.9 18

10 8	3 36.10	+18 37.2	2.506	3.323	11.4	20.8
10 18	3 29.75	+18 51.5	2.440	3.341	8.6	20.6
10 28	3 21.69	+19 0.4	2.400	3.358	5.3	20.5
11 7	3 12.55	+19 4.3	2.388	3.375	1.8	20.3
11 17	3 3.15	+19 4.5	2.407	3.391	1.8	20.3
11 27	2 54.33	+19 3.0	2.457	3.408	5.2	20.5
12 7	2 46.84	+19 2.5	2.536	3.424	8.3	20.8
12 17	2 41.20	+19 5.2	2.640	3.439	10.9	21.0

43210 2000 AS_{101} 11 11.7 77.°54 3.°6/10.1 18

10 8	3 39.16	+10 41.2	1.374	2.227	17.1	18.2
10 18	3 32.89	+10 11.6	1.328	2.248	12.7	18.0
10 28	3 23.90	+ 9 40.7	1.304	2.269	8.0	17.8
11 7	3 13.28	+ 9 13.1	1.305	2.289	4.0	17.6
11 17	3 2.43	+ 8 53.7	1.333	2.310	5.1	17.8
11 27	2 52.76	+ 8 46.6	1.388	2.330	9.4	18.1
12 7	2 45.38	+ 8 54.1	1.467	2.350	13.5	18.4
12 17	2 40.89	+ 9 16.2	1.567	2.369	17.0	18.7

382711 2002 WM_{27} 11 11.7 46.°99 0.°6/11.9 18

10 8	3 38.01	+19 9.1	1.214	2.068	18.8	20.7
10 18	3 32.57	+19 15.2	1.165	2.085	14.1	20.4
10 28	3 23.96	+19 10.8	1.137	2.102	8.8	20.2
11 7	3 13.36	+18 57.2	1.132	2.120	3.0	19.9
11 17	3 2.34	+18 37.6	1.153	2.138	3.0	20.0
11 27	2 52.61	+18 17.8	1.199	2.156	8.5	20.3
12 7	2 45.46	+18 3.4	1.269	2.175	13.4	20.7
12 17	2 41.57	+17 58.7	1.360	2.195	17.4	21.0

473672 2015 XH_{353} 11 11.7 14.°00 0.°4/11.9 17

10 8	3 30.58	+19 32.3	1.388	2.246	16.7	20.4
10 18	3 26.81	+19 27.4	1.331	2.253	12.6	20.1
10 28	3 20.36	+19 12.2	1.296	2.262	7.8	19.9
11 7	3 12.20	+18 48.7	1.284	2.272	2.6	19.6
11 17	3 3.58	+18 20.6	1.298	2.283	2.7	19.6
11 27	2 55.90	+17 53.3	1.338	2.296	7.7	20.0
12 7	2 50.29	+17 32.2	1.402	2.310	12.2	20.3
12 17	2 47.40	+17 21.1	1.488	2.325	16.0	20.6

116607 2004 BT_{110} 11 11.7 204.°49 0.°8/12.2 18

10 8	3 39.01	+20 44.7	2.145	2.960	13.2	21.4
10 18	3 32.43	+20 42.0	2.055	2.954	10.0	21.2
10 28	3 23.61	+20 30.6	1.991	2.947	6.3	20.9
11 7	3 13.26	+20 10.9	1.953	2.940	2.3	20.7
11 17	3 2.36	+19 45.0	1.947	2.931	2.2	20.6
11 27	2 52.02	+19 16.3	1.970	2.922	6.3	20.9
12 7	2 43.24	+18 49.5	2.022	2.911	10.0	21.1
12 17	2 36.72	+18 28.5	2.099	2.900	13.3	21.3

297979 2002 KL_4 11 11.7 156.°50 0.°5/12.1 18

10 8	3 34.63	+22 42.0	2.071	2.892	13.4	21.1
10 18	3 29.02	+21 52.0	1.995	2.897	10.1	20.9
10 28	3 21.38	+20 49.5	1.944	2.902	6.3	20.6
11 7	3 12.49	+19 36.9	1.920	2.907	2.2	20.4
11 17	3 3.29	+18 19.0	1.927	2.912	2.1	20.4
11 27	2 54.82	+17 2.1	1.963	2.915	6.2	20.7
12 7	2 47.94	+15 52.2	2.028	2.919	9.9	20.9
12 17	2 43.21	+14 54.1	2.117	2.922	13.1	21.1

137615 1999 VR_{191} 11 11.7 232.°61 0.°5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.68	+17 26.3	1.645	2.484	15.4	20.5
10 18	3 31.98	+17 16.8	1.564	2.477	11.7	20.3
10 28	3 23.57	+16 59.4	1.506	2.469	7.2	20.0
11 7	3 13.29	+16 35.9	1.473	2.461	2.3	19.7
11 17	3 2.33	+16 9.3	1.469	2.453	2.9	19.7
11 27	2 52.08	+15 44.6	1.493	2.445	7.8	20.0
12 7	2 43.75	+15 26.4	1.543	2.436	12.3	20.2
12 17	2 38.14	+15 18.6	1.615	2.427	16.1	20.4

46693 1997 CK_4 11 11.7 170.°68 1.°4/11.1 18

10 8	3 38.68	+14 42.9	1.622	2.464	15.5	18.6
10 18	3 32.60	+14 37.3	1.551	2.465	11.6	18.3
10 28	3 23.86	+14 26.9	1.503	2.467	7.2	18.1
11 7	3 13.36	+14 13.9	1.481	2.468	2.5	17.8
11 17	3 2.29	+14 1.3	1.486	2.469	3.3	17.8
11 27	2 52.04	+13 52.9	1.520	2.470	8.0	18.1
12 7	2 43.76	+13 52.3	1.580	2.470	12.3	18.4
12 17	2 38.19	+14 2.1	1.663	2.470	16.0	18.6

289241 2004 XK_{77} 11 11.7 254.°83 2.°3/13.6 18

10 8	3 31.79	+27 13.7	2.321	3.128	12.6	20.6
10 18	3 26.90	+26 54.5	2.237	3.125	9.8	20.4
10 28	3 20.10	+26 21.9	2.176	3.123	6.6	20.2
11 7	3 12.09	+25 36.9	2.142	3.121	3.4	20.0
11 17	3 3.71	+24 41.7	2.137	3.119	2.6	19.9
11 27	2 55.90	+23 40.9	2.162	3.117	5.5	20.1
12 7	2 49.49	+22 40.0	2.216	3.115	8.8	20.3
12 17	2 45.05	+21 44.2	2.294	3.112	11.7	20.5

163311 2002 JQ_{66} 11 11.7 244.°03 1.°4/10.8 18

10 8	3 33.79	+16 22.5	1.835	2.676	14.0	20.1
10 18	3 28.73	+15 43.6	1.755	2.670	10.5	19.8
10 28	3 21.40	+14 56.7	1.698	2.663	6.4	19.6
11 7	3 12.55	+14 5.1	1.668	2.656	2.3	19.3
11 17	3 3.21	+13 13.5	1.667	2.649	3.2	19.3
11 27	2 54.51	+12 27.4	1.694	2.641	7.5	19.6
12 7	2 47.44	+11 51.8	1.748	2.634	11.5	19.8
12 17	2 42.70	+11 29.9	1.824	2.626	15.0	20.0

238694 2005 EO_{270} 11 11.7 145.°19 0.°1/11.6 18

10 8	3 35.55	+18 18.2	2.362	3.184	11.9	21.3
10 18	3 29.46	+18 5.7	2.291	3.194	8.9	21.1
10 28	3 21.57	+17 46.7	2.244	3.204	5.5	20.9
11 7	3 12.55	+17 22.9	2.226	3.214	1.8	20.7
11 17	3 3.24	+16 56.6	2.238	3.222	2.0	20.7
11 27	2 54.54	+16 31.1	2.281	3.231	5.7	21.0
12 7	2 47.22	+16 9.8	2.353	3.239	9.0	21.2
12 17	2 41.81	+15 55.6	2.449	3.246	11.8	21.4

74302 1998 TG_1 11 11.7 11.°42 0.°6/11.9 18

10 8	3 33.82	+19 12.4	1.436	2.287	16.6	19.4
10 18	3 29.28	+19 17.7	1.371	2.289	12.6	19.1
10 28	3 21.95	+19 13.7	1.327	2.292	7.8	18.9
11 7	3 12.76	+19 1.6	1.308	2.295	2.7	18.6
11 17	3 3.00	+18 44.1	1.315	2.300	2.7	18.6
11 27	2 54.11	+18 25.9	1.348	2.305	7.8	18.9
12 7	2 47.33	+18 12.1	1.406	2.311	12.4	19.2
12 17	2 43.40	+18 6.7	1.486	2.318	16.3	19.5

171163 2005 GF_{119} 11 11.7 157.°46 1.°0/11.1 18

10 8	3 34.60	+16 15.9	2.099	2.932	12.8	21.0
10 18	3 28.98	+15 54.2	2.026	2.936	9.5	20.8
10 28	3 21.38	+15 26.6	1.977	2.940	5.8	20.6
11 7	3 12.51	+14 55.4	1.956	2.944	1.9	20.3
11 17	3 3.28	+14 23.9	1.964	2.947	2.6	20.4
11 27	2 54.69	+13 56.0	2.002	2.950	6.5	20.7
12 7	2 47.58	+13 35.2	2.068	2.953	10.0	20.9
12 17	2 42.54	+13 24.1	2.157	2.955	13.1	21.1

187100 2005 QS_{24} 11 11.7 71.°38 1.°0/11.2 18

10 8	3 38.61	+16 44.3	1.408	2.256	17.1	20.1
10 18	3 32.51	+16 24.2	1.361	2.278	12.7	19.9
10 28	3 23.69	+15 56.4	1.335	2.301	7.7	19.7
11 7	3 13.25	+15 23.9	1.335	2.323	2.5	19.4
11 17	3 2.56	+14 51.3	1.362	2.345	3.2	19.5
11 27	2 53.07	+14 24.0	1.416	2.368	8.2	19.9
12 7	2 45.85	+14 6.5	1.495	2.390	12.5	20.2
12 17	2 41.51	+14 1.5	1.596	2.411	16.1	20.5

281894 2011 AF_{29} 11 11.7 260.°54 3.°4/14.3 17

10 8	3 33.00	+29 42.8	2.448	3.240	12.4	20.5
10 18	3 27.87	+29 47.3	2.354	3.230	9.9	20.3
10 28	3 20.77	+29 38.6	2.284	3.220	7.0	20.2
11 7	3 12.35	+29 16.1	2.240	3.210	4.3	20.0
11 17	3 3.44	+28 40.9	2.225	3.200	3.5	19.9
11 27	2 55.01	+27 56.1	2.239	3.189	5.7	20.0
12 7	2 47.94	+27 6.7	2.282	3.179	8.7	20.2
12 17	2 42.85	+26 17.9	2.350	3.168	11.5	20.4

252 Clementina 11 11.7 41°.24 2°.2/ 9.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 29.88	+14 5.6	2.152	2.996	12.1	14.5
10 18	3 25.38	+13 10.5	2.084	3.000	9.0	14.3
10 28	3 19.12	+12 10.2	2.040	3.004	5.5	14.1
11 7	3 11.77	+11 8.7	2.024	3.009	2.5	13.9
11 17	3 4.14	+10 10.8	2.037	3.014	3.5	14.0
11 27	2 57.10	+ 9 21.3	2.079	3.019	6.9	14.2
12 7	2 51.40	+ 8 43.9	2.148	3.024	10.1	14.4
12 17	2 47.55	+ 8 20.6	2.240	3.029	13.0	14.6

291670 2006 HV_{75} 11 11.7 132°.37 4°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.94	+ 7 19.4	2.063	2.902	12.7	20.9
10 18	3 29.10	+ 6 36.2	2.003	2.913	9.6	20.8
10 28	3 21.37	+ 5 53.9	1.967	2.924	6.4	20.6
11 7	3 12.49	+ 5 16.8	1.959	2.935	4.2	20.5
11 17	3 3.35	+ 4 49.0	1.980	2.945	5.2	20.6
11 27	2 54.90	+ 4 33.8	2.031	2.955	8.1	20.8
12 7	2 47.95	+ 4 33.0	2.107	2.964	11.2	21.0
12 17	2 43.02	+ 4 46.7	2.206	2.972	13.9	21.2

288517 2004 FZ_{123} 11 11.7 189°.24 3°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.13	+ 7 14.0	2.339	3.172	11.6	21.2
10 18	3 29.17	+ 6 55.6	2.263	3.171	8.8	21.0
10 28	3 21.43	+ 6 38.5	2.213	3.170	5.8	20.8
11 7	3 12.53	+ 6 25.8	2.191	3.168	3.5	20.6
11 17	3 3.27	+ 6 20.1	2.198	3.166	4.4	20.7
11 27	2 54.54	+ 6 23.9	2.236	3.164	7.2	20.9
12 7	2 47.10	+ 6 38.4	2.301	3.161	10.2	21.1
12 17	2 41.52	+ 7 4.0	2.390	3.158	12.9	21.2

474899 2005 ST_{184} 11 11.7 71°.17 1°.2/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.08	+18 0.1	1.424	2.273	16.8	21.3
10 18	3 30.64	+17 10.4	1.373	2.291	12.5	21.1
10 28	3 22.56	+16 10.3	1.343	2.309	7.6	20.9
11 7	3 12.90	+15 4.5	1.339	2.327	2.5	20.6
11 17	3 2.98	+13 59.6	1.363	2.346	3.4	20.8
11 27	2 54.18	+13 2.8	1.413	2.364	8.3	21.1
12 7	2 47.56	+12 19.9	1.488	2.382	12.7	21.4
12 17	2 43.71	+11 53.9	1.586	2.400	16.3	21.7

127249 2002 JM_{36} 11 11.7 39°.52 1°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.97	+12 4.0	2.073	2.912	12.7	19.2
10 18	3 28.53	+12 1.0	2.002	2.916	9.5	19.0
10 28	3 21.12	+11 56.4	1.956	2.920	5.8	18.7
11 7	3 12.45	+11 52.4	1.938	2.924	2.4	18.5
11 17	3 3.40	+11 51.3	1.948	2.928	3.2	18.6
11 27	2 54.95	+11 55.5	1.988	2.932	6.8	18.8
12 7	2 47.96	+12 7.0	2.055	2.937	10.2	19.1
12 17	2 43.02	+12 27.1	2.145	2.942	13.2	19.3

61274 2000 OE_{33} 11 11.7 95°.84 0°.2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.43	+20 33.6	1.369	2.213	17.7	19.8
10 18	3 32.60	+19 53.8	1.313	2.228	13.3	19.6
10 28	3 23.86	+19 0.2	1.279	2.243	8.2	19.4
11 7	3 13.35	+17 56.6	1.270	2.257	2.6	19.1
11 17	3 2.49	+16 49.1	1.287	2.272	3.0	19.1
11 27	2 52.83	+15 45.7	1.332	2.286	8.3	19.5
12 7	2 45.54	+14 53.8	1.402	2.300	13.0	19.8
12 17	2 41.26	+14 17.9	1.493	2.313	16.8	20.1

383602 2007 HU_{35} 11 11.7 299°.30 1°.1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.21	+18 28.4	1.471	2.313	16.8	20.8
10 18	3 33.91	+19 4.2	1.373	2.285	13.0	20.4
10 28	3 25.28	+19 35.1	1.296	2.258	8.3	20.1
11 7	3 14.04	+19 59.9	1.244	2.231	3.1	19.7
11 17	3 1.45	+20 18.2	1.219	2.204	3.0	19.7
11 27	2 49.22	+20 31.9	1.221	2.177	8.6	19.9
12 7	2 39.03	+20 45.1	1.248	2.150	13.9	20.1
12 17	2 32.08	+21 2.2	1.297	2.124	18.5	20.4

441784 2009 DA_{72} 11 11.7 330°.53 9°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.53	− 0 55.8	1.318	2.184	16.9	20.3
10 18	3 27.03	− 2 7.2	1.248	2.163	13.7	20.0
10 28	3 20.72	− 3 10.3	1.198	2.144	10.8	19.8
11 7	3 12.43	− 3 55.3	1.170	2.125	9.6	19.7
11 17	3 3.38	− 4 14.0	1.166	2.108	11.0	19.7
11 27	2 55.02	− 4 1.0	1.185	2.091	14.2	19.9
12 7	2 48.63	− 3 16.3	1.225	2.076	17.9	20.1
12 17	2 45.07	− 2 3.8	1.282	2.062	21.2	20.2

480031 2015 BZ_{87} 11 11.7 163°.36 2°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.47	+12 30.2	1.727	2.569	14.7	21.7
10 18	3 31.43	+11 46.6	1.660	2.574	11.0	21.4
10 28	3 23.02	+10 58.7	1.616	2.579	6.8	21.2
11 7	3 13.08	+10 10.7	1.598	2.583	3.2	21.0
11 17	3 2.74	+ 9 27.7	1.610	2.586	4.4	21.1
11 27	2 53.21	+ 8 55.0	1.650	2.589	8.4	21.3
12 7	2 45.50	+ 8 36.2	1.715	2.591	12.3	21.6
12 17	2 40.28	+ 8 33.0	1.804	2.592	15.6	21.8

189269 2005 QN_{160} 11 11.7 36°.06 6°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.92	+ 7 25.3	1.198	2.069	17.9	19.7
10 18	3 29.36	+ 6 25.3	1.153	2.080	13.5	19.5
10 28	3 21.93	+ 5 27.2	1.130	2.093	9.0	19.3
11 7	3 12.73	+ 4 38.5	1.129	2.106	6.1	19.2
11 17	3 3.20	+ 4 6.5	1.153	2.120	7.5	19.3
11 27	2 54.82	+ 3 56.1	1.201	2.135	11.4	19.5
12 7	2 48.76	+ 4 8.5	1.272	2.150	15.5	19.8
12 17	2 45.63	+ 4 41.9	1.362	2.166	19.0	20.1

495823 2017 FM_{121} 11 11.7 239°.54 0°.6/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.84	+19 29.1	2.554	3.372	11.2	21.3
10 18	3 28.28	+19 39.0	2.464	3.365	8.5	21.1
10 28	3 20.95	+19 43.1	2.400	3.358	5.3	20.9
11 7	3 12.42	+19 41.9	2.364	3.351	1.9	20.6
11 17	3 3.44	+19 36.5	2.358	3.343	1.8	20.6
11 27	2 54.87	+19 29.2	2.383	3.335	5.3	20.8
12 7	2 47.51	+19 22.8	2.437	3.327	8.5	21.0
12 17	2 41.92	+19 20.0	2.516	3.319	11.3	21.2

19082 Vikchernov 11 11.7 47°.48 5°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.46	+29 56.1	1.039	1.876	22.5	17.2
10 18	3 35.68	+30 28.6	1.003	1.904	17.7	17.0
10 28	3 26.03	+30 35.6	0.984	1.932	12.5	16.8
11 7	3 14.06	+30 14.9	0.987	1.960	7.6	16.7
11 17	3 1.83	+29 29.3	1.013	1.990	6.1	16.7
11 27	2 51.43	+28 28.2	1.063	2.019	9.5	17.0
12 7	2 44.30	+27 23.6	1.136	2.049	13.9	17.3
12 17	2 41.05	+26 25.7	1.229	2.080	17.8	17.7

107490 2001 DR_{39} 11 11.7 121°.59 6°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.07	+36 11.3	1.939	2.708	16.0	19.8
10 18	3 32.95	+36 41.3	1.865	2.716	13.2	19.6
10 28	3 24.12	+36 51.4	1.812	2.724	10.2	19.4
11 7	3 13.49	+36 38.5	1.783	2.731	7.5	19.3
11 17	3 2.31	+36 2.5	1.781	2.738	6.4	19.2
11 27	2 52.00	+35 7.6	1.807	2.745	7.9	19.3
12 7	2 43.75	+34 1.2	1.860	2.752	10.6	19.5
12 17	2 38.28	+32 51.8	1.936	2.758	13.4	19.7

244953 2003 YX_{113} 11 11.7 354°.74 9°.0/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.80	+ 1 26.7	1.365	2.234	16.2	19.5
10 18	3 25.42	− 0 22.1	1.310	2.229	12.9	19.3
10 28	3 19.52	− 2 5.8	1.277	2.226	10.0	19.1
11 7	3 11.99	− 3 33.5	1.268	2.223	9.0	19.1
11 17	3 3.99	− 4 35.8	1.283	2.221	10.6	19.1
11 27	2 56.82	− 5 6.6	1.322	2.221	13.6	19.3
12 7	2 51.54	− 5 4.9	1.381	2.221	16.9	19.5
12 17	2 48.82	− 4 33.7	1.458	2.222	19.8	19.7

199821 2007 DA_{83} 11 11.7 157°.05 5°.9/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.70	− 3 59.2	3.118	3.937	9.4	21.2
10 18	3 24.69	− 5 14.9	3.063	3.945	7.6	21.1
10 28	3 18.49	− 6 24.4	3.035	3.953	6.3	21.0
11 7	3 11.57	− 7 23.3	3.035	3.959	5.9	21.0
11 17	3 4.47	− 8 7.9	3.065	3.966	6.7	21.0
11 27	2 57.78	− 8 35.9	3.122	3.972	8.2	21.1
12 7	2 52.02	− 8 46.7	3.204	3.977	9.8	21.3
12 17	2 47.56	− 8 41.1	3.309	3.982	11.3	21.4

170966 2005 CP_{12} 11 11.7 59°.14 9°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.22	− 3 57.9	1.513	2.358	16.2	19.5
10 18	3 29.56	− 5 25.1	1.487	2.386	13.1	19.4
10 28	3 21.68	− 6 37.9	1.484	2.414	10.6	19.3
11 7	3 12.59	− 7 28.2	1.505	2.442	9.7	19.4
11 17	3 3.45	− 7 50.7	1.551	2.470	10.7	19.5
11 27	2 55.41	− 7 43.9	1.621	2.498	12.9	19.7
12 7	2 49.31	− 7 10.2	1.713	2.526	15.4	19.9
12 17	2 45.64	− 6 14.3	1.824	2.554	17.6	20.2

428549 2008 CA_{60} 11 11.7 206°.67 4°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.29	+10 49.5	1.510	2.365	15.7	21.7
10 18	3 30.14	+ 9 47.1	1.443	2.363	11.8	21.5
10 28	3 22.39	+ 8 40.3	1.398	2.362	7.6	21.2
11 7	3 12.94	+ 7 35.7	1.379	2.360	4.4	21.0
11 17	3 2.97	+ 6 40.0	1.386	2.358	5.8	21.1
11 27	2 53.84	+ 5 59.9	1.421	2.356	9.9	21.4
12 7	2 46.68	+ 5 39.2	1.480	2.353	14.0	21.6
12 17	2 42.18	+ 5 39.0	1.559	2.351	17.6	21.8

344244 2001 SD_{148} 11 11.7 29°.77 3°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.22	+25 16.3	1.003	1.864	21.3	19.9
10 18	3 30.25	+25 17.8	0.964	1.884	16.4	19.7
10 28	3 22.72	+24 58.5	0.943	1.905	10.7	19.4
11 7	3 13.03	+24 19.6	0.943	1.927	5.0	19.2
11 17	3 2.99	+23 26.5	0.967	1.951	3.9	19.2
11 27	2 54.51	+22 28.5	1.014	1.976	8.9	19.6
12 7	2 48.92	+21 35.4	1.084	2.002	13.9	20.0
12 17	2 46.83	+20 54.3	1.173	2.029	18.1	20.3

274848 2009 QL_{41} 11 11.7 62°.19 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.83	+21 32.8	1.284	2.128	18.6	20.4
10 18	3 33.72	+21 30.3	1.240	2.153	14.0	20.2
10 28	3 24.57	+21 14.5	1.216	2.177	8.8	20.0
11 7	3 13.60	+20 46.8	1.216	2.202	3.3	19.8
11 17	3 2.37	+20 11.1	1.242	2.227	2.9	19.8
11 27	2 52.50	+19 33.9	1.295	2.252	8.1	20.2
12 7	2 45.20	+19 2.1	1.373	2.277	12.7	20.5
12 17	2 41.07	+18 40.5	1.472	2.302	16.5	20.8

4565 Grossman 11 11.7 197°.89 5°.9/ 7.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.93	+ 3 42.3	2.050	2.892	12.7	17.5
10 18	3 27.74	+ 2 19.8	1.982	2.890	9.8	17.3
10 28	3 20.64	+ 0 59.1	1.939	2.887	7.2	17.2
11 7	3 12.33	− 0 13.3	1.923	2.884	5.9	17.1
11 17	3 3.67	− 1 11.3	1.936	2.880	7.1	17.2
11 27	2 55.61	− 1 50.2	1.977	2.876	9.7	17.3
12 7	2 48.96	− 2 8.0	2.042	2.872	12.6	17.5
12 17	2 44.30	− 2 5.0	2.129	2.867	15.1	17.7

314316 2005 SY_{193} 11 11.7 61°.72 0°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.73	+18 26.0	1.851	2.690	13.9	20.2
10 18	3 27.70	+17 41.7	1.794	2.707	10.4	20.0
10 28	3 20.62	+16 48.7	1.760	2.724	6.3	19.8
11 7	3 12.31	+15 50.6	1.754	2.742	2.0	19.5
11 17	3 3.78	+14 52.2	1.776	2.759	2.7	19.6
11 27	2 56.06	+13 59.0	1.826	2.776	6.8	19.9
12 7	2 50.00	+13 15.9	1.904	2.794	10.5	20.2
12 17	2 46.13	+12 45.8	2.004	2.811	13.6	20.4

353295 2010 GO_{155} 11 11.7 122°.29 5°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.30	+ 1 51.0	2.194	3.028	12.2	21.1
10 18	3 28.50	+ 1 0.8	2.141	3.043	9.5	21.0
10 28	3 20.97	+ 0 15.8	2.112	3.057	6.9	20.9
11 7	3 12.41	− 0 19.4	2.111	3.071	5.6	20.8
11 17	3 3.65	− 0 40.9	2.139	3.084	6.5	20.9
11 27	2 55.56	− 0 46.0	2.195	3.096	8.8	21.1
12 7	2 48.86	− 0 34.4	2.277	3.109	11.4	21.3
12 17	2 44.05	− 0 7.0	2.381	3.121	13.7	21.4

76133 2000 ET_{10} 11 11.7 323°.37 9°.5/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.23	− 0 19.9	1.444	2.308	15.8	18.0
10 18	3 25.85	− 2 2.9	1.372	2.286	12.9	17.7
10 28	3 19.92	− 3 41.2	1.322	2.265	10.3	17.5
11 7	3 12.21	− 5 4.3	1.296	2.245	9.6	17.4
11 17	3 3.82	− 6 2.4	1.294	2.226	11.2	17.5
11 27	2 56.05	− 6 28.8	1.315	2.207	14.2	17.6
12 7	2 50.07	− 6 21.6	1.356	2.189	17.6	17.8
12 17	2 46.66	− 5 43.3	1.416	2.172	20.7	18.0

121865 Dauvergne 11 11.7 137°.72 1°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.86	+15 26.9	1.922	2.757	13.7	21.0
10 18	3 30.73	+14 43.6	1.858	2.769	10.2	20.8
10 28	3 22.49	+13 54.0	1.819	2.782	6.2	20.6
11 7	3 12.95	+13 1.6	1.806	2.793	2.3	20.4
11 17	3 3.13	+12 11.1	1.824	2.804	3.3	20.5
11 27	2 54.11	+11 27.5	1.871	2.814	7.2	20.7
12 7	2 46.77	+10 54.9	1.945	2.824	10.9	21.0
12 17	2 41.69	+10 35.8	2.042	2.833	14.0	21.2

374687 2006 QN_{116} 11 11.7 23°.60 4°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.09	+27 4.1	0.975	1.836	21.9	20.4
10 18	3 29.74	+27 8.8	0.928	1.846	17.0	20.2
10 28	3 22.64	+26 49.6	0.898	1.858	11.5	19.9
11 7	3 13.11	+26 6.9	0.889	1.871	6.0	19.7
11 17	3 3.02	+25 5.2	0.903	1.886	4.6	19.7
11 27	2 54.41	+23 54.9	0.939	1.902	9.3	20.0
12 7	2 48.78	+22 47.8	0.998	1.919	14.4	20.3
12 17	2 46.83	+21 52.8	1.075	1.938	18.9	20.7

295332 2008 HL_{4} 11 11.7 142°.21 0°.3/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.13	+18 56.7	2.001	2.825	13.6	22.3
10 18	3 31.65	+18 28.1	1.934	2.839	10.2	22.2
10 28	3 23.05	+17 50.9	1.891	2.851	6.3	21.9
11 7	3 13.15	+17 7.4	1.876	2.863	2.0	21.7
11 17	3 2.94	+16 21.2	1.890	2.874	2.4	21.7
11 27	2 53.53	+15 37.3	1.935	2.885	6.5	22.0
12 7	2 45.80	+15 0.2	2.008	2.894	10.2	22.3
12 17	2 40.34	+14 33.4	2.104	2.903	13.4	22.5

68693 2002 CX_{168} 11 11.7 193°.21 0°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.90	+19 10.1	2.124	2.946	13.0	20.0
10 18	3 30.84	+19 3.2	2.041	2.945	9.8	19.8
10 28	3 22.66	+18 48.8	1.983	2.943	6.1	19.6
11 7	3 13.06	+18 27.9	1.952	2.940	2.1	19.3
11 17	3 2.99	+18 2.8	1.952	2.936	2.2	19.3
11 27	2 53.50	+17 37.1	1.981	2.932	6.2	19.6
12 7	2 45.54	+17 15.0	2.038	2.928	9.9	19.8
12 17	2 39.75	+16 59.9	2.120	2.923	13.1	20.0

323187 2003 OV_{27} 11 11.7 58°.58 9°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.86	− 7 48.6	1.999	2.827	13.5	19.9
10 18	3 26.78	− 9 4.0	1.966	2.846	11.3	19.8
10 28	3 19.95	−10 5.6	1.955	2.865	9.7	19.8
11 7	3 12.11	−10 47.1	1.969	2.884	9.2	19.8
11 17	3 4.13	−11 4.4	2.009	2.904	10.0	19.9
11 27	2 56.90	−10 56.1	2.074	2.923	11.7	20.0
12 7	2 51.13	−10 23.8	2.161	2.943	13.7	20.2
12 17	2 47.30	− 9 30.8	2.268	2.963	15.5	20.4

343298 2010 AN_{76} 11 11.7 273°.65 2°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.51	+24 9.7	1.644	2.470	16.0	20.4
10 18	3 32.09	+24 28.8	1.562	2.462	12.5	20.2
10 28	3 23.82	+24 35.5	1.500	2.454	8.3	19.9
11 7	3 13.53	+24 28.8	1.464	2.446	4.0	19.6
11 17	3 2.45	+24 9.7	1.455	2.438	3.3	19.6
11 27	2 52.06	+23 42.1	1.474	2.430	7.4	19.8
12 7	2 43.67	+23 12.3	1.519	2.422	11.8	20.0
12 17	2 38.14	+22 46.2	1.587	2.414	15.7	20.3

23944 Dusser 11 11.8 257°.27 6°.4/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.32	+ 3 10.0	1.937	2.783	13.2	19.0
10 18	3 27.51	+ 1 49.7	1.861	2.770	10.3	18.8
10 28	3 20.65	+ 0 31.2	1.809	2.758	7.6	18.6
11 7	3 12.42	− 0 38.6	1.785	2.745	6.4	18.5
11 17	3 3.73	− 1 33.3	1.787	2.732	7.6	18.6
11 27	2 55.58	− 2 7.8	1.817	2.718	10.4	18.7
12 7	2 48.88	− 2 19.7	1.872	2.705	13.4	18.9
12 17	2 44.26	− 2 9.6	1.947	2.691	16.2	19.1

363439 2003 SE_{112} 11 11.8 33°.88 3°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.87	+11 2.0	1.749	2.605	13.9	20.1
10 18	3 25.62	+ 9 50.4	1.699	2.620	10.3	19.9
10 28	3 19.39	+ 8 36.1	1.672	2.636	6.6	19.7
11 7	3 11.96	+ 7 25.1	1.671	2.652	3.9	19.6
11 17	3 4.31	+ 6 23.6	1.699	2.669	5.2	19.7
11 27	2 57.44	+ 5 36.9	1.753	2.686	8.5	20.0
12 7	2 52.18	+ 5 8.1	1.833	2.704	11.9	20.2
12 17	2 49.02	+ 4 57.9	1.935	2.722	14.8	20.4

58314 1994 PE_{29} 11 11.8 17°.00 0°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.26	+16 52.3	1.006	1.884	19.9	18.7
10 18	3 28.84	+16 42.6	0.958	1.891	15.0	18.4
10 28	3 21.99	+16 23.4	0.929	1.900	9.2	18.1
11 7	3 12.91	+15 58.1	0.921	1.910	3.0	17.8
11 17	3 3.27	+15 32.0	0.936	1.921	3.7	17.9
11 27	2 54.91	+15 11.7	0.975	1.934	9.7	18.3
12 7	2 49.22	+15 2.8	1.035	1.949	14.9	18.7
12 17	2 46.94	+15 8.3	1.115	1.964	19.3	19.0

150154 1997 EG_{16} 11 11.8 281°.62 0°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.09	+17 49.2	2.105	2.940	12.7	20.9
10 18	3 27.27	+17 25.2	2.023	2.933	9.5	20.7
10 28	3 20.48	+16 53.7	1.964	2.927	5.8	20.5
11 7	3 12.36	+16 17.1	1.933	2.920	1.9	20.2
11 17	3 3.81	+15 38.7	1.930	2.914	2.4	20.2
11 27	2 55.79	+15 2.6	1.957	2.908	6.4	20.5
12 7	2 49.18	+14 33.1	2.011	2.901	10.0	20.7
12 17	2 44.60	+14 13.2	2.089	2.895	13.2	20.9

508141 2015 FX_{74} 11 11.8 201°.09 0°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.55	+18 11.1	1.758	2.590	14.9	21.7
10 18	3 32.49	+18 6.4	1.679	2.588	11.2	21.5
10 28	3 23.87	+17 53.9	1.623	2.585	7.0	21.2
11 7	3 13.52	+17 34.8	1.594	2.581	2.3	20.9
11 17	3 2.56	+17 11.8	1.593	2.577	2.6	20.9
11 27	2 52.31	+16 49.2	1.621	2.573	7.3	21.2
12 7	2 43.90	+16 31.5	1.675	2.568	11.5	21.5
12 17	2 38.08	+16 22.5	1.753	2.563	15.2	21.7

260850 2005 QB_{78} 11 11.8 29°.41 0°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.25	+20 55.1	1.828	2.663	14.3	20.9
10 18	3 28.37	+20 44.2	1.758	2.667	10.8	20.7
10 28	3 21.22	+20 23.3	1.710	2.671	6.8	20.5
11 7	3 12.62	+19 53.8	1.688	2.675	2.5	20.2
11 17	3 3.58	+19 18.7	1.695	2.680	2.3	20.2
11 27	2 55.26	+18 42.8	1.729	2.685	6.6	20.5
12 7	2 48.63	+18 11.0	1.791	2.690	10.5	20.8
12 17	2 44.33	+17 47.3	1.875	2.695	13.9	21.0

154443 2003 BX_{82} 11 11.8 302°.69 0°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.46	+19 52.6	1.449	2.297	16.7	20.5
10 18	3 30.03	+19 37.2	1.365	2.282	12.7	20.2
10 28	3 22.67	+19 9.8	1.303	2.267	8.0	19.9
11 7	3 13.20	+18 32.2	1.265	2.253	2.7	19.6
11 17	3 2.88	+17 48.2	1.254	2.239	2.9	19.5
11 27	2 53.27	+17 4.1	1.269	2.225	8.3	19.8
12 7	2 45.71	+16 26.9	1.308	2.211	13.3	20.1
12 17	2 41.12	+16 1.9	1.369	2.198	17.6	20.3

305085 2007 UZ_{129} 11 11.8 70°.96 0°.9/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.47	+20 50.6	1.785	2.617	14.7	21.3
10 18	3 30.07	+20 48.4	1.716	2.623	11.1	21.1
10 28	3 22.30	+20 36.3	1.669	2.629	7.0	20.8
11 7	3 12.97	+20 15.5	1.648	2.635	2.6	20.6
11 17	3 3.20	+19 48.5	1.656	2.641	2.4	20.6
11 27	2 54.18	+19 19.7	1.692	2.647	6.7	20.9
12 7	2 46.96	+18 54.0	1.754	2.653	10.7	21.1
12 17	2 42.19	+18 35.5	1.840	2.659	14.2	21.4

95959 Covadonga 11 11.8 173°.66 1°.0/12.5 18

10 8	3 33.46	+21 31.3	2.511	3.326	11.5	20.5
10 18	3 28.01	+21 31.3	2.429	3.328	8.7	20.3
10 28	3 20.80	+21 23.5	2.373	3.329	5.5	20.1
11 7	3 12.46	+21 8.7	2.344	3.330	2.2	19.9
11 17	3 3.75	+20 48.5	2.346	3.330	1.9	19.9
11 27	2 55.53	+20 25.8	2.378	3.331	5.2	20.1
12 7	2 48.56	+20 4.0	2.438	3.331	8.4	20.3
12 17	2 43.41	+19 46.4	2.524	3.331	11.1	20.5

461186 2015 VL_{72} 11 11.8 275°.60 4°.6/ 8.9 18

10 8	3 32.89	+ 4 38.6	2.132	2.972	12.3	21.2
10 18	3 27.73	+ 4 7.3	2.058	2.967	9.4	21.1
10 28	3 20.70	+ 3 38.9	2.008	2.962	6.6	20.9
11 7	3 12.44	+ 3 17.7	1.986	2.957	4.7	20.7
11 17	3 3.78	+ 3 7.1	1.992	2.952	5.6	20.8
11 27	2 55.66	+ 3 10.1	2.027	2.946	8.4	21.0
12 7	2 48.89	+ 3 27.6	2.087	2.941	11.4	21.1
12 17	2 44.04	+ 3 59.4	2.170	2.936	14.1	21.3

424257 2007 RH_{320} 11 11.8 52°.93 1°.3/12.3 18

10 8	3 38.87	+21 0.9	1.154	2.007	19.6	20.7
10 18	3 33.59	+21 5.6	1.100	2.018	14.9	20.5
10 28	3 24.85	+20 56.8	1.065	2.029	9.4	20.2
11 7	3 13.87	+20 35.4	1.054	2.040	3.5	19.9
11 17	3 2.31	+20 4.9	1.067	2.052	3.2	19.9
11 27	2 52.05	+19 32.0	1.105	2.064	8.8	20.3
12 7	2 44.52	+19 4.0	1.167	2.077	14.0	20.6
12 17	2 40.50	+18 46.7	1.250	2.089	18.3	20.9

345380 2006 BS_{41} 11 11.8 59°.26 2°.7/10.3 18

10 8	3 34.74	+13 20.5	1.524	2.377	15.7	20.2
10 18	3 29.61	+12 39.9	1.468	2.388	11.7	19.9
10 28	3 22.01	+11 54.6	1.434	2.400	7.2	19.7
11 7	3 12.87	+11 9.1	1.426	2.412	3.2	19.5
11 17	3 3.39	+10 28.8	1.445	2.424	4.3	19.6
11 27	2 54.84	+ 9 59.0	1.492	2.436	8.6	19.9
12 7	2 48.26	+ 9 43.4	1.563	2.449	12.6	20.2
12 17	2 44.25	+ 9 43.6	1.655	2.461	16.1	20.4

291472 2006 DV_{85} 11 11.8 83°.38 5°.0/ 7.7 18

10 8	3 29.93	+ 4 24.6	2.284	3.127	11.5	21.1
10 18	3 25.34	+ 3 19.0	2.221	3.131	8.8	20.9
10 28	3 19.12	+ 2 15.7	2.184	3.135	6.3	20.8
11 7	3 11.90	+ 1 19.5	2.174	3.139	5.0	20.7
11 17	3 4.42	+ 0 35.3	2.193	3.142	6.0	20.8
11 27	2 57.48	+ 0 6.5	2.239	3.146	8.4	20.9
12 7	2 51.77	− 0 5.2	2.312	3.150	11.0	21.1
12 17	2 47.77	+ 0 0.1	2.406	3.154	13.3	21.3

4096 Kushiro 11 11.8 70°.40 2°.8/13.3 18

10 8	3 37.62	+25 1.2	1.865	2.681	14.8	17.0
10 18	3 31.61	+25 24.9	1.802	2.696	11.5	16.8
10 28	3 23.21	+25 36.7	1.762	2.712	7.6	16.6
11 7	3 13.27	+25 35.8	1.748	2.728	3.9	16.5
11 17	3 2.93	+25 23.3	1.762	2.743	3.2	16.4
11 27	2 53.42	+25 2.8	1.805	2.759	6.5	16.7
12 7	2 45.76	+24 39.4	1.875	2.775	10.1	16.9
12 17	2 40.59	+24 18.0	1.969	2.790	13.3	17.2

478516 2012 SF_{48} 11 11.8 54°.43 1°.4/11.1 16

10 8	3 36.56	+16 24.2	1.344	2.198	17.3	21.0
10 18	3 31.15	+15 55.5	1.297	2.218	12.9	20.8
10 28	3 22.99	+15 18.8	1.273	2.239	7.8	20.5
11 7	3 13.19	+14 38.2	1.272	2.260	2.6	20.3
11 17	3 3.12	+13 59.0	1.299	2.282	3.5	20.4
11 27	2 54.23	+13 27.0	1.351	2.303	8.4	20.7
12 7	2 47.61	+13 6.8	1.429	2.325	12.9	21.1
12 17	2 43.86	+13 1.0	1.527	2.347	16.5	21.4

247039 2000 ET_{111} 11 11.8 5°.16 6°.1/15.8 17

10 8	3 34.26	+34 27.6	1.907	2.694	15.6	19.7
10 18	3 29.47	+35 1.0	1.830	2.694	12.8	19.5
10 28	3 22.10	+35 16.2	1.774	2.695	9.8	19.3
11 7	3 12.97	+35 10.4	1.742	2.696	7.1	19.2
11 17	3 3.23	+34 43.5	1.736	2.698	6.1	19.1
11 27	2 54.22	+33 59.1	1.757	2.700	7.7	19.2
12 7	2 47.08	+33 3.9	1.805	2.703	10.5	19.4
12 17	2 42.57	+32 5.5	1.876	2.706	13.4	19.6

14206 Sehnal 11 11.8 40°.26 4°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.60	+ 6 51.6	1.954	2.803	13.0	17.5
10 18	3 26.76	+ 6 15.4	1.900	2.816	9.8	17.3
10 28	3 20.05	+ 5 41.1	1.870	2.829	6.5	17.1
11 7	3 12.22	+ 5 13.0	1.867	2.843	4.3	17.0
11 17	3 4.13	+ 4 54.7	1.892	2.857	5.3	17.1
11 27	2 56.73	+ 4 49.4	1.944	2.872	8.2	17.3
12 7	2 50.81	+ 4 58.2	2.022	2.886	11.2	17.5
12 17	2 46.89	+ 5 21.0	2.123	2.901	13.9	17.7

437948 2002 RJ_{256} 11 11.8 63°.34 2°.9/13.7 15

10 8	3 37.22	+27 23.9	1.635	2.453	16.5	21.5
10 18	3 31.39	+27 11.9	1.584	2.479	12.7	21.3
10 28	3 23.03	+26 42.9	1.555	2.504	8.5	21.1
11 7	3 13.19	+25 57.8	1.550	2.530	4.4	21.0
11 17	3 3.14	+25 0.5	1.574	2.556	3.3	20.9
11 27	2 54.19	+23 57.4	1.625	2.581	6.8	21.2
12 7	2 47.36	+22 56.0	1.703	2.607	10.7	21.5
12 17	2 43.21	+22 2.7	1.805	2.632	14.0	21.8

435052 2006 WW_{97} 11 11.8 260°.78 0°.6/12.1 18

10 8	3 36.21	+21 31.1	1.644	2.478	15.7	21.8
10 18	3 31.08	+21 5.9	1.554	2.463	12.0	21.5
10 28	3 23.20	+20 27.1	1.487	2.447	7.6	21.2
11 7	3 13.38	+19 36.4	1.444	2.431	2.7	20.9
11 17	3 2.79	+18 37.6	1.430	2.415	2.6	20.9
11 27	2 52.84	+17 37.3	1.444	2.398	7.7	21.1
12 7	2 44.79	+16 42.7	1.483	2.381	12.4	21.4
12 17	2 39.49	+15 59.9	1.545	2.364	16.4	21.6

334215 2001 SO_{330} 11 11.8 7°.46 4°.5/ 9.3 18

10 8	3 31.44	+11 35.5	1.222	2.095	17.5	20.4
10 18	3 27.73	+10 26.3	1.165	2.095	13.1	20.1
10 28	3 21.14	+ 9 11.7	1.128	2.096	8.4	19.8
11 7	3 12.67	+ 7 59.4	1.115	2.098	4.7	19.7
11 17	3 3.68	+ 6 58.2	1.127	2.101	6.3	19.8
11 27	2 55.69	+ 6 15.6	1.164	2.105	10.8	20.0
12 7	2 49.89	+ 5 56.1	1.222	2.110	15.3	20.3
12 17	2 47.01	+ 6 0.1	1.300	2.115	19.2	20.6

450155 2000 AK_{126} 11 11.8 281°.40 5°.0/15.8 18

10 8	3 34.98	+35 35.4	2.539	3.300	12.8	21.0
10 18	3 29.62	+35 41.1	2.423	3.271	10.7	20.8
10 28	3 22.08	+35 30.3	2.328	3.241	8.2	20.6
11 7	3 13.00	+35 1.0	2.260	3.211	5.9	20.4
11 17	3 3.24	+34 13.0	2.219	3.180	5.0	20.3
11 27	2 53.88	+33 9.3	2.209	3.149	6.5	20.3
12 7	2 45.90	+31 55.4	2.226	3.118	9.1	20.4
12 17	2 40.03	+30 38.1	2.270	3.087	11.9	20.5

402361 2005 VV_{134} 11 11.8 353°.91 6°.5/ 7.8 18

10 8	3 31.50	+ 2 2.1	1.789	2.639	13.9	21.1
10 18	3 26.97	+ 1 6.8	1.726	2.637	10.8	20.9
10 28	3 20.34	+ 0 16.6	1.686	2.635	8.0	20.7
11 7	3 12.37	− 0 22.1	1.672	2.634	6.5	20.6
11 17	3 4.01	− 0 44.4	1.684	2.633	7.6	20.7
11 27	2 56.30	− 0 46.6	1.723	2.632	10.4	20.8
12 7	2 50.15	− 0 28.1	1.786	2.632	13.4	21.0
12 17	2 46.16	+ 0 9.6	1.869	2.632	16.1	21.2

134866 2000 QG_{16} 11 11.8 34°.46 0°.7/12.2 18

10 8	3 33.36	+20 47.2	1.760	2.597	14.7	19.8
10 18	3 28.51	+20 35.4	1.693	2.604	11.1	19.6
10 28	3 21.35	+20 13.4	1.649	2.610	6.9	19.4
11 7	3 12.71	+19 42.8	1.631	2.618	2.5	19.1
11 17	3 3.66	+19 6.9	1.640	2.625	2.3	19.1
11 27	2 55.37	+18 30.5	1.678	2.633	6.7	19.4
12 7	2 48.84	+17 58.6	1.742	2.642	10.7	19.7
12 17	2 44.70	+17 35.5	1.829	2.650	14.1	19.9

348283 2004 XS_{10} 11 11.8 22°.81 3°.0/10.7 18

10 8	3 36.97	+10 13.8	1.301	2.162	17.4	20.0
10 18	3 31.75	+10 20.7	1.245	2.169	13.1	19.7
10 28	3 23.58	+10 28.5	1.210	2.176	8.2	19.5
11 7	3 13.48	+10 39.9	1.199	2.184	3.7	19.2
11 17	3 2.84	+10 57.5	1.214	2.194	4.6	19.3
11 27	2 53.23	+11 23.8	1.254	2.204	9.3	19.6
12 7	2 45.89	+11 59.9	1.319	2.214	13.8	19.9
12 17	2 41.59	+12 46.2	1.405	2.226	17.7	20.2

97294 1999 XW_{177} 11 11.8 233°.98 2°.3/10.1 18

10 8	3 32.42	+10 43.7	2.453	3.289	11.1	19.6
10 18	3 27.22	+10 24.3	2.372	3.283	8.3	19.4
10 28	3 20.35	+10 3.6	2.316	3.277	5.2	19.2
11 7	3 12.37	+ 9 44.3	2.287	3.271	2.6	19.1
11 17	3 4.01	+ 9 29.0	2.289	3.264	3.4	19.1
11 27	2 56.11	+ 9 20.4	2.321	3.258	6.4	19.3
12 7	2 49.38	+ 9 20.7	2.380	3.251	9.5	19.5
12 17	2 44.37	+ 9 30.9	2.463	3.244	12.1	19.6

136288 2004 AZ_1 11 11.8 114°.70 7°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.87	− 2 3.7	1.913	2.749	13.7	20.0
10 18	3 29.27	− 2 51.8	1.856	2.754	11.0	19.8
10 28	3 21.65	− 3 30.9	1.823	2.758	8.5	19.7
11 7	3 12.79	− 3 55.2	1.815	2.763	7.4	19.6
11 17	3 3.60	− 4 0.7	1.834	2.767	8.3	19.7
11 27	2 55.13	− 3 44.9	1.880	2.772	10.6	19.9
12 7	2 48.22	− 3 8.6	1.950	2.776	13.3	20.0
12 17	2 43.43	− 2 14.2	2.042	2.780	15.7	20.2

339119 2004 RC_{249} 11 11.8 284°.74 2°.7/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.85	+32 9.3	1.077	1.912	22.1	19.8
10 18	3 32.72	+30 29.5	0.998	1.902	17.5	19.5
10 28	3 24.65	+28 6.4	0.937	1.892	11.8	19.2
11 7	3 13.91	+25 2.1	0.899	1.882	5.5	18.8
11 17	3 2.39	+21 29.1	0.887	1.872	3.6	18.6
11 27	2 52.25	+17 50.2	0.902	1.863	9.9	19.0
12 7	2 45.14	+14 29.6	0.941	1.853	16.3	19.3
12 17	2 41.89	+11 44.3	1.002	1.844	21.6	19.6

160070 2000 CU_{98} 11 11.8 126°.05 7°.8/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.52	− 7 17.8	2.464	3.284	11.5	20.3
10 18	3 25.65	− 8 28.4	2.413	3.289	9.7	20.2
10 28	3 19.28	− 9 28.8	2.386	3.294	8.2	20.2
11 7	3 11.99	−10 13.5	2.386	3.299	7.9	20.1
11 17	3 4.48	−10 38.6	2.413	3.304	8.7	20.2
11 27	2 57.48	−10 42.0	2.465	3.309	10.3	20.3
12 7	2 51.66	−10 24.1	2.541	3.314	12.1	20.5
12 17	2 47.46	− 9 47.0	2.637	3.318	13.8	20.6

380716 2005 OS_{20} 11 11.8 88°.27 1°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.65	+21 51.0	1.510	2.345	16.8	21.1
10 18	3 32.75	+21 47.0	1.450	2.358	12.7	20.9
10 28	3 24.06	+21 30.6	1.412	2.371	8.1	20.7
11 7	3 13.62	+21 2.9	1.399	2.385	3.1	20.4
11 17	3 2.74	+20 27.1	1.413	2.398	2.7	20.4
11 27	2 52.90	+19 48.9	1.455	2.411	7.5	20.8
12 7	2 45.26	+19 14.6	1.522	2.423	11.9	21.1
12 17	2 40.51	+18 49.2	1.612	2.436	15.6	21.3

325535 2009 SD_{43} 11 11.8 68°.14 1°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.23	+22 48.9	2.206	3.022	12.8	20.6
10 18	3 29.60	+23 8.6	2.130	3.026	9.8	20.4
10 28	3 21.93	+23 19.7	2.078	3.031	6.4	20.2
11 7	3 12.92	+23 21.9	2.053	3.036	2.9	20.0
11 17	3 3.45	+23 16.1	2.057	3.040	2.4	19.9
11 27	2 54.57	+23 4.9	2.091	3.045	5.7	20.2
12 7	2 47.15	+22 52.2	2.153	3.050	9.1	20.4
12 17	2 41.83	+22 41.5	2.240	3.054	12.1	20.6

295026 2008 EA_{75} 11 11.8 111°.19 1°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.40	+15 7.5	2.065	2.902	12.8	20.7
10 18	3 28.20	+14 45.0	1.993	2.906	9.5	20.5
10 28	3 21.03	+14 17.5	1.946	2.910	5.8	20.3
11 7	3 12.61	+13 47.7	1.926	2.913	2.1	20.1
11 17	3 3.82	+13 18.8	1.935	2.917	2.8	20.2
11 27	2 55.65	+12 54.7	1.974	2.921	6.6	20.4
12 7	2 48.94	+12 38.6	2.039	2.924	10.2	20.6
12 17	2 44.28	+12 32.7	2.128	2.928	13.2	20.8

51070 2000 GO_{158} 11 11.8 58°.77 1°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.53	+14 41.5	2.131	2.969	12.4	18.7
10 18	3 27.32	+14 15.9	2.079	2.992	9.2	18.6
10 28	3 20.35	+13 46.3	2.050	3.014	5.6	18.4
11 7	3 12.35	+13 15.4	2.050	3.037	2.1	18.2
11 17	3 4.16	+12 46.4	2.078	3.059	2.8	18.3
11 27	2 56.67	+12 23.0	2.136	3.082	6.3	18.6
12 7	2 50.62	+12 7.8	2.221	3.104	9.5	18.8
12 17	2 46.48	+12 2.6	2.330	3.127	12.3	19.0

231412 2007 CL_{41} 11 11.8 295°.67 2°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.55	+13 50.3	1.458	2.313	16.1	20.4
10 18	3 29.96	+13 13.6	1.379	2.301	12.2	20.1
10 28	3 22.58	+12 30.2	1.322	2.289	7.6	19.8
11 7	3 13.23	+11 44.3	1.290	2.276	3.2	19.6
11 17	3 3.14	+11 1.7	1.284	2.264	4.4	19.6
11 27	2 53.75	+10 28.7	1.305	2.252	9.3	19.9
12 7	2 46.36	+10 10.2	1.350	2.241	13.9	20.1
12 17	2 41.78	+10 8.9	1.416	2.229	17.9	20.3

275483 2011 EE_{38} 11 11.8 162°.77 1°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.46	+14 41.8	2.007	2.838	13.3	21.6
10 18	3 31.25	+14 17.4	1.935	2.844	9.9	21.3
10 28	3 22.92	+13 48.0	1.888	2.850	6.1	21.1
11 7	3 13.24	+13 16.3	1.868	2.855	2.3	20.9
11 17	3 3.18	+12 45.8	1.878	2.859	3.1	21.0
11 27	2 53.81	+12 20.5	1.917	2.862	7.0	21.2
12 7	2 46.04	+12 3.9	1.984	2.865	10.6	21.4
12 17	2 40.48	+11 58.1	2.075	2.867	13.8	21.7

272290 2005 SY_{13} 11 11.8 356°.52 3°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.11	+22 37.2	1.103	1.962	20.0	19.4
10 18	3 31.35	+23 31.9	1.038	1.957	15.5	19.1
10 28	3 23.91	+24 15.1	0.992	1.953	10.4	18.8
11 7	3 13.76	+24 43.6	0.967	1.950	5.2	18.5
11 17	3 2.57	+24 56.4	0.966	1.949	4.4	18.5
11 27	2 52.36	+24 56.9	0.989	1.949	9.3	18.7
12 7	2 44.89	+24 51.8	1.034	1.951	14.5	19.0
12 17	2 41.17	+24 48.0	1.098	1.954	19.1	19.3

324143 2005 YE_{112} 11 11.8 50°.69 1°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.44	+13 40.5	2.009	2.851	12.9	20.4
10 18	3 27.50	+13 14.3	1.942	2.857	9.6	20.3
10 28	3 20.60	+12 44.3	1.900	2.864	5.9	20.0
11 7	3 12.49	+12 13.5	1.885	2.871	2.4	19.8
11 17	3 4.03	+11 45.4	1.898	2.878	3.3	19.9
11 27	2 56.22	+11 23.8	1.940	2.885	6.9	20.2
12 7	2 49.88	+11 11.7	2.009	2.892	10.4	20.4
12 17	2 45.58	+11 10.8	2.101	2.899	13.4	20.6

224698 2006 BB_{33} 11 11.8 336°.36 4°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.60	+30 6.9	2.099	2.896	14.0	20.0
10 18	3 29.46	+30 32.7	2.016	2.893	11.2	19.8
10 28	3 22.02	+30 44.4	1.954	2.889	8.1	19.6
11 7	3 13.01	+30 40.5	1.919	2.886	5.2	19.4
11 17	3 3.41	+30 21.2	1.911	2.883	4.4	19.4
11 27	2 54.40	+29 49.5	1.932	2.881	6.6	19.5
12 7	2 47.00	+29 10.7	1.979	2.878	9.7	19.7
12 17	2 41.93	+28 30.9	2.051	2.876	12.7	19.9

365801 2011 CH_3 11 11.8 158°.06 3°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.98	+29 38.8	2.461	3.253	12.4	20.9
10 18	3 27.81	+29 33.9	2.378	3.255	9.8	20.7
10 28	3 20.78	+29 15.6	2.319	3.257	6.9	20.5
11 7	3 12.55	+28 43.8	2.286	3.258	4.1	20.3
11 17	3 3.95	+28 0.1	2.283	3.259	3.3	20.3
11 27	2 55.92	+27 8.2	2.309	3.261	5.5	20.4
12 7	2 49.25	+26 13.3	2.364	3.262	8.4	20.6
12 17	2 44.52	+25 20.3	2.444	3.263	11.1	20.8

288090 2003 WE_7 11 11.8 36°.57 10°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.28	−11 13.6	1.674	2.485	16.5	18.6
10 18	3 33.96	−11 17.3	1.640	2.509	13.8	18.5
10 28	3 24.41	−11 0.7	1.627	2.534	11.4	18.4
11 7	3 13.66	−10 19.2	1.639	2.560	10.2	18.4
11 17	3 2.88	− 9 11.9	1.677	2.587	10.7	18.5
11 27	2 53.23	− 7 40.8	1.741	2.613	12.4	18.6
12 7	2 45.59	− 5 51.2	1.830	2.641	14.6	18.8
12 17	2 40.46	− 3 49.1	1.940	2.668	16.7	19.1

137852 2000 AW_{52} 11 11.8 14°.55 4°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.96	+26 57.8	1.106	1.955	20.6	18.9
10 18	3 31.11	+27 23.7	1.047	1.958	16.2	18.6
10 28	3 23.61	+27 29.4	1.007	1.963	11.1	18.4
11 7	3 13.61	+27 13.2	0.989	1.968	6.2	18.1
11 17	3 2.83	+26 36.6	0.993	1.975	4.9	18.1
11 27	2 53.28	+25 47.1	1.022	1.982	9.1	18.3
12 7	2 46.53	+24 54.7	1.073	1.991	14.1	18.6
12 17	2 43.45	+24 8.8	1.144	2.000	18.5	18.9

516244 2016 UH_{77} 11 11.8 344°.14 6°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.44	+ 1 13.8	1.331	2.182	17.7	19.9
10 18	3 34.56	+ 1 35.4	1.260	2.172	13.9	19.7
10 28	3 25.51	+ 2 10.0	1.209	2.164	9.8	19.4
11 7	3 14.23	+ 3 1.8	1.183	2.156	6.7	19.2
11 17	3 2.10	+ 4 12.2	1.183	2.150	7.4	19.3
11 27	2 50.80	+ 5 40.2	1.209	2.145	11.2	19.5
12 7	2 41.76	+ 7 22.6	1.260	2.140	15.5	19.7
12 17	2 35.90	+ 9 14.9	1.332	2.137	19.3	19.9

473461 2015 XT_{56} 11 11.8 52°.95 4°.5/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.73	+ 5 52.9	1.964	2.809	13.0	21.5
10 18	3 27.67	+ 5 16.1	1.904	2.818	9.9	21.3
10 28	3 20.68	+ 4 41.8	1.869	2.826	6.7	21.1
11 7	3 12.51	+ 4 14.4	1.861	2.834	4.6	21.0
11 17	3 4.04	+ 3 57.6	1.881	2.843	5.6	21.1
11 27	2 56.24	+ 3 54.6	1.928	2.852	8.5	21.3
12 7	2 49.93	+ 4 6.5	2.001	2.861	11.5	21.5
12 17	2 45.64	+ 4 32.9	2.097	2.870	14.2	21.7

434221 2003 SZ_{147} 11 11.8 56°.50 4°.1/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.76	+ 8 19.2	1.464	2.317	16.3	20.0
10 18	3 31.81	+ 7 59.6	1.420	2.338	12.2	19.8
10 28	3 23.34	+ 7 41.8	1.397	2.359	7.8	19.6
11 7	3 13.38	+ 7 29.8	1.400	2.381	4.4	19.5
11 17	3 3.17	+ 7 27.4	1.429	2.403	5.4	19.6
11 27	2 54.04	+ 7 37.5	1.486	2.424	9.2	19.9
12 7	2 47.00	+ 8 1.1	1.567	2.446	13.0	20.2
12 17	2 42.65	+ 8 37.6	1.670	2.469	16.3	20.5

488326 2016 UC_{141} 11 11.8 19°.09 7°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.99	+ 0 12.6	1.489	2.337	16.2	20.2
10 18	3 31.41	− 0 16.9	1.430	2.340	12.8	20.0
10 28	3 23.24	− 0 36.7	1.394	2.342	9.5	19.8
11 7	3 13.40	− 0 41.0	1.382	2.345	7.5	19.7
11 17	3 3.09	− 0 25.3	1.396	2.348	8.5	19.8
11 27	2 53.67	+ 0 12.2	1.436	2.351	11.5	19.9
12 7	2 46.23	+ 1 10.0	1.499	2.355	14.9	20.2
12 17	2 41.49	+ 2 24.9	1.583	2.360	18.0	20.4

193016 2000 EQ_{38} 11 11.8 233°.15 4°.0/ 7.9 18

10 8	3 29.72	+ 5 38.1	2.842	3.677	9.7	20.5
10 18	3 25.02	+ 4 36.3	2.758	3.665	7.5	20.4
10 28	3 18.93	+ 3 34.6	2.702	3.653	5.2	20.2
11 7	3 11.94	+ 2 37.2	2.674	3.641	4.0	20.1
11 17	3 4.64	+ 1 47.9	2.676	3.628	4.9	20.2
11 27	2 57.71	+ 1 10.3	2.708	3.615	7.1	20.3
12 7	2 51.74	+ 0 46.5	2.767	3.602	9.5	20.4
12 17	2 47.19	+ 0 37.2	2.849	3.588	11.7	20.6

46428 2002 JO_{63} 11 11.8 253°.59 0°.8/11.3 18

10 8	3 35.28	+16 52.5	1.880	2.717	13.9	19.6
10 18	3 29.99	+16 32.3	1.793	2.705	10.5	19.4
10 28	3 22.37	+16 4.7	1.730	2.693	6.5	19.1
11 7	3 13.14	+15 32.1	1.693	2.681	2.1	18.8
11 17	3 3.31	+14 57.8	1.685	2.668	2.8	18.9
11 27	2 54.03	+14 26.4	1.706	2.656	7.2	19.1
12 7	2 46.36	+14 2.4	1.753	2.642	11.3	19.3
12 17	2 41.03	+13 49.3	1.823	2.629	14.8	19.5

390260 2012 XU_{131} 11 11.8 44°.12 2°.9/10.3 18 R

10 8	3 34.79	+12 9.4	1.507	2.361	15.8	20.3
10 18	3 29.76	+11 38.3	1.449	2.370	11.8	20.1
10 28	3 22.21	+11 3.9	1.413	2.378	7.3	19.9
11 7	3 13.05	+10 30.7	1.402	2.387	3.4	19.7
11 17	3 3.49	+10 3.3	1.418	2.396	4.5	19.7
11 27	2 54.83	+ 9 46.4	1.461	2.406	8.7	20.0
12 7	2 48.13	+ 9 43.2	1.529	2.415	12.8	20.3
12 17	2 44.04	+ 9 54.8	1.618	2.425	16.3	20.5

164733 1998 RE_{70} 11 11.8 61°.93 3°.4/ 9.9 18

10 8	3 38.11	+11 19.9	1.559	2.406	15.7	19.7
10 18	3 31.71	+10 30.7	1.526	2.443	11.6	19.6
10 28	3 23.07	+ 9 40.0	1.517	2.480	7.2	19.4
11 7	3 13.23	+ 8 53.0	1.534	2.517	3.7	19.3
11 17	3 3.39	+ 8 14.7	1.579	2.553	4.8	19.4
11 27	2 54.72	+ 7 49.5	1.652	2.589	8.5	19.7
12 7	2 48.07	+ 7 39.6	1.750	2.625	12.1	20.0
12 17	2 43.92	+ 7 45.2	1.870	2.660	15.1	20.3

287413 2002 VG_{144} 11 11.8 76°.84 0°.5/11.4 18

10 8	3 33.24	+18 56.3	1.858	2.696	14.0	20.6
10 18	3 28.30	+18 18.8	1.787	2.699	10.5	20.4
10 28	3 21.20	+17 31.8	1.739	2.703	6.4	20.2
11 7	3 12.72	+16 38.1	1.718	2.706	2.1	19.9
11 17	3 3.84	+15 42.3	1.726	2.710	2.5	19.9
11 27	2 55.69	+14 50.0	1.762	2.713	6.9	20.2
12 7	2 49.17	+14 6.3	1.825	2.717	10.8	20.5
12 17	2 44.91	+13 34.9	1.911	2.720	14.1	20.7

41309 1999 XT_{157} 11 11.8 30°.50 1°.5/13.0 18

10 8	3 31.72	+25 2.7	2.091	2.910	13.3	18.4
10 18	3 27.04	+24 31.2	2.015	2.913	10.2	18.2
10 28	3 20.37	+23 46.4	1.961	2.916	6.6	18.0
11 7	3 12.43	+22 50.0	1.935	2.919	2.9	17.8
11 17	3 4.15	+21 45.6	1.937	2.922	2.2	17.7
11 27	2 56.52	+20 38.5	1.969	2.925	5.9	18.0
12 7	2 50.39	+19 34.7	2.029	2.928	9.4	18.2
12 17	2 46.34	+18 39.3	2.113	2.932	12.6	18.4

79443 1997 UL_{1} 11 11.8 90°.80 1°.8/12.8 18

10 8	3 37.53	+22 21.5	1.932	2.752	14.2	19.1
10 18	3 31.52	+22 39.6	1.864	2.763	10.9	18.9
10 28	3 23.20	+22 48.3	1.818	2.773	7.0	18.7
11 7	3 13.38	+22 47.2	1.800	2.784	3.1	18.5
11 17	3 3.12	+22 37.6	1.810	2.794	2.6	18.5
11 27	2 53.60	+22 22.7	1.850	2.804	6.3	18.8
12 7	2 45.81	+22 6.9	1.917	2.814	10.0	19.0
12 17	2 40.42	+21 54.5	2.008	2.824	13.2	19.2

268023 2004 NA_{28} 11 11.8 130°.55 5°.6/ 8.4 18 R

10 8	3 36.40	+ 4 20.5	1.874	2.715	13.8	20.6
10 18	3 30.40	+ 3 22.6	1.819	2.727	10.6	20.4
10 28	3 22.35	+ 2 28.1	1.788	2.740	7.4	20.3
11 7	3 13.06	+ 1 42.5	1.784	2.751	5.6	20.2
11 17	3 3.51	+ 1 11.0	1.808	2.762	6.7	20.3
11 27	2 54.74	+ 0 56.9	1.861	2.773	9.5	20.5
12 7	2 47.62	+ 1 1.4	1.938	2.783	12.5	20.7
12 17	2 42.70	+ 1 23.6	2.037	2.793	15.2	20.9

471230 2011 AK_{31} 11 11.8 107°.61 4°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.63	+29 0.2	1.591	2.402	17.2	21.0
10 18	3 33.58	+29 4.5	1.526	2.414	13.5	20.8
10 28	3 24.65	+28 50.4	1.482	2.426	9.4	20.6
11 7	3 13.87	+28 16.8	1.463	2.438	5.4	20.4
11 17	3 2.63	+27 26.1	1.470	2.449	4.2	20.4
11 27	2 52.43	+26 24.5	1.506	2.460	7.5	20.6
12 7	2 44.50	+25 20.5	1.567	2.471	11.5	20.8
12 17	2 39.54	+24 22.0	1.652	2.481	15.0	21.1

487272 2014 PV_{59} 11 11.8 20°.34 12°.0/ 7.8 18

10 8	3 35.88	−13 40.7	1.578	2.395	17.0	19.3
10 18	3 30.25	−14 13.0	1.541	2.407	14.7	19.2
10 28	3 22.33	−14 22.4	1.525	2.421	12.8	19.1
11 7	3 13.06	−14 2.7	1.531	2.435	12.1	19.1
11 17	3 3.62	−13 11.1	1.560	2.451	12.6	19.2
11 27	2 55.18	−11 48.9	1.613	2.467	14.2	19.3
12 7	2 48.68	−10 1.5	1.688	2.485	16.3	19.5
12 17	2 44.64	− 7 55.8	1.783	2.503	18.3	19.7

119287 2001 RU_{110} 11 11.8 192°.95 1°.9/12.9 18

10 8	3 39.10	+23 48.3	1.971	2.783	14.3	20.7
10 18	3 32.81	+23 52.4	1.887	2.782	11.0	20.5
10 28	3 24.09	+23 45.1	1.827	2.779	7.2	20.3
11 7	3 13.73	+23 26.3	1.794	2.777	3.3	20.0
11 17	3 2.80	+22 57.4	1.790	2.773	2.7	20.0
11 27	2 52.52	+22 22.7	1.815	2.769	6.5	20.2
12 7	2 43.98	+21 47.4	1.869	2.764	10.4	20.4
12 17	2 37.89	+21 16.7	1.946	2.759	13.8	20.6

104514 2000 GJ_{45} 11 11.8 13°.91 2°.5/12.8 18

10 8	3 36.71	+21 47.4	1.421	2.263	17.3	18.3
10 18	3 31.72	+22 31.5	1.357	2.267	13.3	18.1
10 28	3 23.72	+23 5.8	1.313	2.272	8.7	17.9
11 7	3 13.66	+23 28.6	1.294	2.278	4.0	17.6
11 17	3 2.90	+23 40.1	1.301	2.284	3.4	17.6
11 27	2 53.03	+23 42.9	1.334	2.292	7.8	17.9
12 7	2 45.39	+23 42.3	1.393	2.300	12.3	18.2
12 17	2 40.81	+23 43.2	1.473	2.310	16.1	18.4

400941 2010 VD_{40} 11 11.8 4°.01 2°.3/13.3 17

10 8	3 32.73	+25 32.4	1.860	2.682	14.6	21.4
10 18	3 28.12	+25 24.9	1.783	2.682	11.3	21.2
10 28	3 21.21	+25 3.6	1.730	2.682	7.5	21.0
11 7	3 12.78	+24 29.1	1.701	2.683	3.6	20.7
11 17	3 3.86	+23 43.9	1.701	2.684	2.8	20.7
11 27	2 55.64	+22 53.1	1.728	2.685	6.4	20.9
12 7	2 49.12	+22 2.9	1.783	2.687	10.3	21.2
12 17	2 44.97	+21 18.7	1.861	2.689	13.7	21.4

136540 2543 $P–L$ 11 11.8 60°.95 2°.3/13.1 18

10 8	3 39.76	+24 9.8	1.666	2.487	16.1	19.5
10 18	3 33.19	+24 20.4	1.622	2.520	12.2	19.3
10 28	3 24.14	+24 17.9	1.600	2.553	7.9	19.1
11 7	3 13.67	+24 2.6	1.604	2.586	3.7	18.9
11 17	3 3.01	+23 37.0	1.635	2.618	2.9	19.0
11 27	2 53.48	+23 5.9	1.696	2.651	6.7	19.3
12 7	2 46.06	+22 35.0	1.783	2.683	10.5	19.6
12 17	2 41.32	+22 9.4	1.893	2.715	13.7	19.8

479312 2013 MS_{7} 11 11.8 286°.01 10°.3/ 5.8 18

10 8	3 41.17	−12 50.8	2.146	2.935	14.0	20.9
10 18	3 34.26	−13 31.0	2.050	2.900	12.3	20.7
10 28	3 25.01	−13 55.6	1.978	2.864	10.8	20.5
11 7	3 14.08	−13 57.5	1.931	2.828	10.4	20.4
11 17	3 2.39	−13 31.6	1.910	2.790	11.2	20.4
11 27	2 51.09	−12 35.7	1.916	2.753	13.1	20.5
12 7	2 41.23	−11 11.7	1.946	2.715	15.4	20.6
12 17	2 33.57	− 9 23.9	1.998	2.676	17.7	20.7

278233 2007 ES_{114} 11 11.8 148°.43 2°.2/10.4 18

10 8	3 36.30	+13 34.3	1.854	2.693	13.9	21.4
10 18	3 30.52	+12 58.4	1.787	2.700	10.4	21.2
10 28	3 22.56	+12 17.9	1.743	2.706	6.4	21.0
11 7	3 13.20	+11 36.3	1.726	2.712	2.7	20.7
11 17	3 3.46	+10 58.0	1.739	2.717	3.7	20.8
11 27	2 54.47	+10 27.7	1.780	2.722	7.6	21.1
12 7	2 47.16	+10 8.8	1.847	2.727	11.4	21.3
12 17	2 42.14	+10 3.3	1.938	2.731	14.6	21.5

439796 2015 HS_{63} 11 11.8 145°.46 0°.2/11.9 18

10 8	3 37.75	+19 50.0	1.869	2.696	14.3	21.6
10 18	3 31.66	+19 28.2	1.799	2.705	10.8	21.4
10 28	3 23.28	+18 56.7	1.753	2.714	6.7	21.2
11 7	3 13.44	+18 17.5	1.734	2.721	2.2	20.9
11 17	3 3.21	+17 34.2	1.744	2.729	2.3	20.9
11 27	2 53.78	+16 51.8	1.783	2.735	6.7	21.2
12 7	2 46.11	+16 15.4	1.850	2.742	10.7	21.5
12 17	2 40.85	+15 48.9	1.940	2.747	14.0	21.7

318783 2005 SP_{101} 11 11.8 58.°93 1.°0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.18	+22 47.5	1.932	2.759	13.9	20.9
10 18	3 28.24	+22 24.7	1.862	2.766	10.6	20.7
10 28	3 21.16	+21 50.2	1.816	2.774	6.7	20.5
11 7	3 12.74	+21 5.7	1.796	2.781	2.6	20.3
11 17	3 3.96	+20 14.8	1.804	2.789	2.2	20.3
11 27	2 55.90	+19 22.6	1.841	2.797	6.2	20.5
12 7	2 49.48	+18 34.6	1.906	2.805	10.0	20.8
12 17	2 45.27	+17 55.4	1.994	2.813	13.2	21.0

41882 2000 WD_{111} 11 11.8 294.°50 2.°5/13.1 18

10 8	3 35.45	+24 40.7	1.652	2.479	15.9	19.2
10 18	3 30.61	+24 44.6	1.566	2.468	12.4	19.0
10 28	3 23.00	+24 34.7	1.502	2.457	8.2	18.7
11 7	3 13.45	+24 10.5	1.463	2.445	3.9	18.4
11 17	3 3.13	+23 33.9	1.451	2.434	3.1	18.4
11 27	2 53.47	+22 50.0	1.466	2.423	7.3	18.6
12 7	2 45.73	+22 5.4	1.507	2.412	11.7	18.8
12 17	2 40.76	+21 26.6	1.571	2.402	15.6	19.0

31884 2000 FK_{27} 11 11.8 55.°63 1.°1/11.1 18

10 8	3 33.68	+16 40.6	1.758	2.601	14.4	18.8
10 18	3 28.71	+16 10.0	1.693	2.608	10.7	18.6
10 28	3 21.50	+15 32.1	1.651	2.615	6.6	18.4
11 7	3 12.86	+14 50.1	1.635	2.623	2.2	18.1
11 17	3 3.85	+14 8.2	1.647	2.630	3.0	18.2
11 27	2 55.60	+13 31.6	1.688	2.638	7.2	18.5
12 7	2 49.07	+13 4.5	1.754	2.646	11.2	18.7
12 17	2 44.87	+12 49.7	1.844	2.653	14.5	19.0

182284 2001 KA_{35} 11 11.8 96.°48 2.°7/10.4 18

10 8	3 40.00	+11 55.9	1.624	2.466	15.5	20.5
10 18	3 33.31	+11 29.5	1.575	2.489	11.5	20.3
10 28	3 24.23	+11 0.7	1.549	2.512	7.1	20.1
11 7	3 13.72	+10 33.1	1.549	2.534	3.2	19.9
11 17	3 3.00	+10 10.8	1.578	2.556	4.2	20.0
11 27	2 53.31	+ 9 57.8	1.635	2.577	8.2	20.3
12 7	2 45.64	+ 9 56.7	1.718	2.598	12.1	20.6
12 17	2 40.56	+10 8.4	1.824	2.618	15.3	20.8

208112 2000 CM_{69} 11 11.8 146.°50 2.°7/13.7 18

10 8	3 36.29	+26 50.5	2.104	2.909	13.7	21.1
10 18	3 30.53	+26 50.0	2.027	2.914	10.7	20.9
10 28	3 22.58	+26 36.4	1.974	2.920	7.2	20.7
11 7	3 13.23	+26 9.5	1.947	2.925	3.8	20.5
11 17	3 3.45	+25 31.2	1.949	2.930	3.0	20.5
11 27	2 54.37	+24 45.7	1.981	2.935	6.0	20.7
12 7	2 46.91	+23 58.6	2.041	2.939	9.5	20.9
12 17	2 41.71	+23 15.2	2.125	2.943	12.6	21.1

402331 2005 UH_{168} 11 11.8 90.°77 1.°2/12.6 18

10 8	3 35.13	+21 37.4	2.077	2.899	13.3	22.0
10 18	3 29.62	+21 42.2	2.004	2.906	10.1	21.8
10 28	3 22.01	+21 38.1	1.955	2.912	6.4	21.6
11 7	3 13.04	+21 25.7	1.933	2.918	2.6	21.3
11 17	3 3.66	+21 6.7	1.940	2.925	2.2	21.3
11 27	2 54.93	+20 44.6	1.976	2.931	6.0	21.6
12 7	2 47.74	+20 23.5	2.040	2.937	9.6	21.8
12 17	2 42.71	+20 7.2	2.128	2.943	12.7	22.0

222033 1998 TE_{2} 11 11.8 328.°45 1.°1/12.5 17

10 8	3 30.39	+22 24.0	1.777	2.615	14.5	19.5
10 18	3 26.60	+22 7.8	1.687	2.597	11.1	19.2
10 28	3 20.43	+21 39.2	1.619	2.579	7.2	18.9
11 7	3 12.60	+20 59.3	1.576	2.562	2.8	18.6
11 17	3 4.10	+20 11.4	1.561	2.546	2.4	18.6
11 27	2 56.15	+19 20.8	1.573	2.530	6.9	18.8
12 7	2 49.83	+18 33.7	1.611	2.515	11.1	19.0
12 17	2 45.89	+17 55.4	1.672	2.501	14.9	19.2

171713 2000 UC_{20} 11 11.8 321.°25 0.°5/11.9 18

10 8	3 35.36	+18 32.4	1.157	2.019	19.0	19.8
10 18	3 31.50	+18 44.6	1.078	2.003	14.6	19.5
10 28	3 24.06	+18 47.5	1.020	1.986	9.2	19.1
11 7	3 13.93	+18 41.6	0.983	1.971	3.2	18.8
11 17	3 2.61	+18 29.2	0.971	1.956	3.3	18.7
11 27	2 52.06	+18 15.4	0.983	1.942	9.5	19.0
12 7	2 44.00	+18 6.7	1.017	1.929	15.2	19.3
12 17	2 39.55	+18 8.2	1.071	1.917	20.1	19.6

329472 2002 QA_{51} 11 11.8 2.°32 1.°8/10.5 18

10 8	3 30.15	+14 51.1	2.056	2.900	12.6	20.4
10 18	3 25.84	+14 9.7	1.983	2.900	9.4	20.2
10 28	3 19.66	+13 22.7	1.935	2.900	5.7	20.0
11 7	3 12.27	+12 33.7	1.913	2.900	2.3	19.8
11 17	3 4.52	+11 46.8	1.921	2.901	3.2	19.8
11 27	2 57.35	+11 6.6	1.957	2.902	6.8	20.1
12 7	2 51.56	+10 37.1	2.019	2.903	10.3	20.3
12 17	2 47.72	+10 20.3	2.105	2.904	13.3	20.5

312297 2008 CW_{14} 11 11.8 248.°47 2.°6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.50	+11 36.3	2.096	2.936	12.5	21.1
10 18	3 28.37	+11 6.9	2.015	2.928	9.4	20.9
10 28	3 21.25	+10 34.8	1.958	2.920	5.9	20.7
11 7	3 12.81	+10 3.3	1.928	2.912	2.9	20.4
11 17	3 3.92	+ 9 36.0	1.927	2.903	3.8	20.5
11 27	2 55.54	+ 9 16.7	1.956	2.895	7.3	20.7
12 7	2 48.55	+ 9 8.2	2.011	2.886	10.8	20.9
12 17	2 43.57	+ 9 12.1	2.089	2.877	13.8	21.1

24575 3314 $T\text{-}_{1}$ 11 11.8 148.°95 3.°4/ 9.2 18

10 8	3 33.58	+10 51.7	2.131	2.970	12.4	19.2
10 18	3 28.21	+ 9 43.1	2.065	2.978	9.2	19.1
10 28	3 21.01	+ 8 31.4	2.024	2.985	5.9	18.9
11 7	3 12.70	+ 7 21.6	2.012	2.991	3.5	18.7
11 17	3 4.12	+ 6 18.8	2.029	2.997	4.6	18.8
11 27	2 56.17	+ 5 28.2	2.075	3.003	7.7	19.0
12 7	2 49.64	+ 4 52.9	2.148	3.008	10.9	19.2
12 17	2 45.04	+ 4 34.2	2.245	3.013	13.6	19.4

175827 1999 TS_{72} 11 11.8 80.°39 1.°5/11.1 18

10 8	3 40.30	+15 15.6	1.405	2.251	17.2	20.7
10 18	3 33.91	+14 57.6	1.357	2.274	12.8	20.5
10 28	3 24.76	+14 33.3	1.331	2.296	7.8	20.3
11 7	3 13.95	+14 6.2	1.330	2.317	2.7	20.0
11 17	3 2.86	+13 40.4	1.356	2.339	3.5	20.1
11 27	2 52.97	+13 20.9	1.410	2.360	8.4	20.5
12 7	2 45.39	+13 11.7	1.489	2.381	12.7	20.8
12 17	2 40.72	+13 14.9	1.589	2.402	16.3	21.1

197037 2003 UG_{133} 11 11.8 161.°10 3.°1/14.7 18

10 8	3 32.94	+30 44.4	2.511	3.298	12.3	20.1
10 18	3 27.76	+30 23.8	2.427	3.300	9.7	20.0
10 28	3 20.77	+29 48.5	2.366	3.302	6.9	19.8
11 7	3 12.65	+28 58.9	2.333	3.304	4.1	19.6
11 17	3 4.21	+27 57.1	2.329	3.305	3.2	19.5
11 27	2 56.36	+26 47.5	2.355	3.307	5.3	19.7
12 7	2 49.87	+25 35.8	2.410	3.308	8.2	19.9
12 17	2 45.28	+24 27.3	2.491	3.309	10.9	20.1

220799 2004 TF_{222} 11 11.8 20.°40 7.°7/ 7.9 18

10 8	3 31.63	− 0 14.6	1.550	2.406	15.4	19.3
10 18	3 27.24	− 1 5.8	1.504	2.416	12.1	19.1
10 28	3 20.61	− 1 47.6	1.480	2.426	9.2	19.0
11 7	3 12.60	− 2 13.3	1.480	2.438	7.7	18.9
11 17	3 4.29	− 2 18.3	1.506	2.450	8.8	19.0
11 27	2 56.84	− 2 0.2	1.556	2.463	11.4	19.2
12 7	2 51.15	− 1 20.0	1.630	2.478	14.3	19.4
12 17	2 47.81	− 0 20.8	1.723	2.493	17.0	19.7

14227 1999 XW_{85} 11 11.8 192.°47 0.°9/11.1 18

10 8	3 31.81	+16 2.6	2.650	3.477	10.6	17.9
10 18	3 26.72	+15 38.6	2.569	3.476	7.9	17.7
10 28	3 20.06	+15 9.7	2.513	3.474	4.8	17.5
11 7	3 12.41	+14 38.1	2.485	3.472	1.7	17.3
11 17	3 4.44	+14 6.4	2.488	3.470	2.2	17.3
11 27	2 56.92	+13 37.7	2.521	3.468	5.4	17.6
12 7	2 50.50	+13 14.9	2.583	3.465	8.4	17.7
12 17	2 45.71	+13 0.3	2.670	3.462	11.0	17.9

372336 2009 DQ_{13} 11 11.8 170.°37 1.°2/12.5 17

10 8	3 39.30	+22 54.3	1.602	2.429	16.3	21.9
10 18	3 33.31	+22 31.4	1.528	2.432	12.5	21.7
10 28	3 24.54	+21 54.1	1.477	2.435	8.0	21.4
11 7	3 13.95	+21 3.9	1.451	2.437	3.1	21.2
11 17	3 2.82	+20 4.8	1.454	2.439	2.6	21.1
11 27	2 52.59	+19 3.5	1.485	2.440	7.5	21.4
12 7	2 44.47	+18 7.5	1.542	2.440	12.0	21.7
12 17	2 39.19	+17 22.8	1.622	2.440	15.8	21.9

519632 2012 UP_{182} 11 11.8 77.°31 2.°8/10.4 18

10 8	3 36.00	+11 53.1	1.635	2.484	15.1	21.0
10 18	3 30.60	+11 27.9	1.571	2.488	11.3	20.8
10 28	3 22.76	+10 59.8	1.529	2.493	7.1	20.5
11 7	3 13.35	+10 32.8	1.513	2.498	3.2	20.3
11 17	3 3.49	+10 10.8	1.525	2.503	4.3	20.4
11 27	2 54.43	+ 9 58.3	1.564	2.508	8.4	20.6
12 7	2 47.22	+ 9 58.0	1.629	2.513	12.4	20.9
12 17	2 42.53	+10 11.1	1.716	2.518	15.8	21.1

279274 Shurpakov 11 11.8 327.°99 3.°1/13.4 16

10 8	3 32.26	+25 17.7	1.757	2.585	15.1	20.9
10 18	3 28.25	+25 39.5	1.661	2.561	11.9	20.7
10 28	3 21.63	+25 49.2	1.586	2.538	8.1	20.4
11 7	3 13.09	+25 45.7	1.536	2.516	4.3	20.1
11 17	3 3.67	+25 29.4	1.513	2.495	3.5	20.0
11 27	2 54.70	+25 3.7	1.517	2.474	7.1	20.2
12 7	2 47.42	+24 34.0	1.547	2.454	11.3	20.4
12 17	2 42.74	+24 6.2	1.599	2.435	15.1	20.6

100518 1997 *BL* 11 11.8 311.°91 4.°6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.02	+ 8 10.9	1.487	2.346	15.7	18.7
10 18	3 29.63	+ 7 39.8	1.404	2.325	12.1	18.4
10 28	3 22.49	+ 7 8.7	1.342	2.304	8.0	18.1
11 7	3 13.37	+ 6 42.6	1.304	2.284	4.9	17.9
11 17	3 3.39	+ 6 26.9	1.293	2.265	6.1	17.9
11 27	2 53.99	+ 6 26.5	1.307	2.245	10.2	18.1
12 7	2 46.43	+ 6 44.0	1.345	2.227	14.6	18.3
12 17	2 41.62	+ 7 19.6	1.404	2.209	18.5	18.5

356490 2011 RU_{19} 11 11.8 41.°39 10.°4/ 5.9 18

10 8	3 32.75	− 4 46.1	1.470	2.320	16.4	20.1
10 18	3 28.08	− 6 19.7	1.436	2.336	13.4	20.0
10 28	3 21.09	− 7 38.6	1.424	2.352	11.2	19.9
11 7	3 12.75	− 8 34.1	1.436	2.369	10.4	19.9
11 17	3 4.21	− 8 59.9	1.471	2.386	11.5	20.0
11 27	2 56.64	− 8 53.8	1.530	2.404	13.7	20.2
12 7	2 50.96	− 8 18.3	1.610	2.423	16.2	20.4
12 17	2 47.70	− 7 18.1	1.708	2.441	18.5	20.7

107681 2001 FO_{11} 11 11.8 161.°70 3.°8/ 8.8 18

10 8	3 30.79	+ 7 33.4	2.391	3.231	11.2	19.7
10 18	3 26.02	+ 6 41.4	2.321	3.232	8.4	19.6
10 28	3 19.66	+ 5 49.4	2.277	3.234	5.6	19.4
11 7	3 12.29	+ 5 1.5	2.261	3.235	3.8	19.3
11 17	3 4.64	+ 4 21.9	2.274	3.236	4.8	19.3
11 27	2 57.48	+ 3 53.9	2.316	3.237	7.4	19.5
12 7	2 51.51	+ 3 39.7	2.385	3.238	10.1	19.7
12 17	2 47.22	+ 3 40.0	2.477	3.239	12.6	19.9

515889 2015 PY_{38} 11 11.8 117.°78 6.°9/ 7.4 18

10 8	3 34.88	− 0 44.6	1.997	2.832	13.2	21.7
10 18	3 29.19	− 1 46.5	1.947	2.845	10.5	21.6
10 28	3 21.63	− 2 40.9	1.920	2.858	8.1	21.5
11 7	3 12.93	− 3 21.9	1.920	2.870	6.9	21.4
11 17	3 4.00	− 3 45.1	1.948	2.882	7.9	21.5
11 27	2 55.79	− 3 47.7	2.003	2.893	10.1	21.7
12 7	2 49.09	− 3 29.9	2.082	2.904	12.7	21.9
12 17	2 44.43	− 2 53.6	2.183	2.915	15.0	22.1

358196 2006 SP_{112} 11 11.8 63.°18 2.°2/10.5 18

10 8	3 33.61	+14 28.9	1.739	2.586	14.4	21.1
10 18	3 28.61	+13 44.8	1.680	2.597	10.7	20.9
10 28	3 21.42	+12 55.0	1.644	2.609	6.5	20.7
11 7	3 12.89	+12 3.8	1.635	2.621	2.7	20.4
11 17	3 4.04	+11 16.3	1.654	2.634	3.7	20.5
11 27	2 56.01	+10 37.6	1.701	2.646	7.7	20.8
12 7	2 49.70	+10 11.6	1.774	2.658	11.5	21.1
12 17	2 45.68	+10 0.2	1.869	2.671	14.7	21.3

189312 Jameyszalay 11 11.8 74.°69 1.°3/10.9 18

10 8	3 33.01	+15 11.1	2.204	3.039	12.2	20.5
10 18	3 27.73	+14 45.4	2.146	3.057	9.0	20.3
10 28	3 20.70	+14 15.3	2.113	3.076	5.5	20.1
11 7	3 12.62	+13 43.4	2.107	3.094	2.0	19.9
11 17	3 4.33	+13 12.8	2.131	3.113	2.7	20.0
11 27	2 56.70	+12 47.1	2.185	3.131	6.1	20.3
12 7	2 50.46	+12 29.2	2.266	3.149	9.4	20.5
12 17	2 46.10	+12 21.1	2.371	3.168	12.1	20.7

447627 2006 UZ_{242} 11 11.8 232.°19 3.°3/ 9.2 18

10 8	3 32.03	+11 57.1	2.042	2.886	12.7	21.3
10 18	3 27.26	+10 42.8	1.965	2.881	9.5	21.1
10 28	3 20.56	+ 9 23.3	1.913	2.876	6.0	20.9
11 7	3 12.62	+ 8 3.9	1.890	2.871	3.4	20.7
11 17	3 4.30	+ 6 50.5	1.895	2.865	4.7	20.8
11 27	2 56.56	+ 5 49.0	1.929	2.860	8.0	21.0
12 7	2 50.22	+ 5 3.6	1.990	2.854	11.4	21.2
12 17	2 45.88	+ 4 36.4	2.073	2.848	14.3	21.4

206471 2003 US_{8} 11 11.8 26.°43 12.°8/22.2 16

10 8	3 41.80	+50 54.0	1.675	2.374	20.6	20.0
10 18	3 36.46	+51 54.8	1.606	2.378	18.5	19.9
10 28	3 27.09	+52 24.1	1.552	2.383	16.3	19.7
11 7	3 14.91	+52 14.3	1.516	2.388	14.2	19.6
11 17	3 1.87	+51 21.8	1.502	2.394	13.0	19.5
11 27	2 50.21	+49 50.3	1.511	2.400	12.9	19.6
12 7	2 41.68	+47 50.6	1.543	2.406	14.1	19.7
12 17	2 37.18	+45 36.6	1.596	2.413	16.1	19.8

378589 2008 EZ_{22} 11 11.8 222.°31 0.°9/11.4 18

10 8	3 38.10	+16 44.5	1.613	2.453	15.6	21.2
10 18	3 32.44	+16 28.2	1.535	2.448	11.8	21.0
10 28	3 24.08	+16 4.2	1.479	2.443	7.3	20.7
11 7	3 13.85	+15 34.9	1.449	2.437	2.4	20.4
11 17	3 2.97	+15 3.7	1.447	2.431	3.0	20.4
11 27	2 52.81	+14 35.9	1.473	2.425	8.0	20.7
12 7	2 44.60	+14 16.4	1.525	2.418	12.5	21.0
12 17	2 39.13	+14 8.6	1.599	2.411	16.3	21.2

170679 2004 AE_{1} 11 11.8 304.°20 3.°5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.28	+29 17.5	1.705	2.521	16.0	19.5
10 18	3 29.10	+29 0.0	1.605	2.497	12.8	19.3
10 28	3 22.17	+28 22.4	1.527	2.473	8.9	19.0
11 7	3 13.27	+27 24.0	1.472	2.449	5.0	18.7
11 17	3 3.54	+26 7.2	1.445	2.426	3.8	18.6
11 27	2 54.40	+24 38.4	1.446	2.403	7.4	18.7
12 7	2 47.12	+23 7.1	1.472	2.380	11.7	18.9
12 17	2 42.59	+21 42.4	1.522	2.358	15.8	19.1

379546 2011 AJ_{15} 11 11.8 11.°35 10.°8/ 5.9 18

10 8	3 34.85	−13 43.5	1.991	2.795	14.5	20.0
10 18	3 29.27	−14 31.5	1.942	2.796	12.6	19.9
10 28	3 21.73	−15 1.3	1.914	2.798	11.2	19.8
11 7	3 12.99	−15 7.0	1.909	2.800	10.8	19.8
11 17	3 3.96	−14 44.8	1.929	2.802	11.5	19.9
11 27	2 55.65	−13 54.2	1.974	2.804	13.0	20.0
12 7	2 48.88	−12 38.1	2.040	2.807	14.8	20.1
12 17	2 44.21	−11 1.3	2.126	2.810	16.6	20.3

143121 2002 XF_{29} 11 11.8 328.°32 6.°0/ 8.5 18

10 8	3 32.52	+ 4 6.8	1.672	2.526	14.5	19.7
10 18	3 28.04	+ 3 20.5	1.601	2.516	11.3	19.5
10 28	3 21.25	+ 2 37.8	1.552	2.507	8.0	19.3
11 7	3 12.89	+ 2 4.5	1.529	2.498	6.0	19.2
11 17	3 4.01	+ 1 46.0	1.532	2.490	7.2	19.2
11 27	2 55.76	+ 1 46.3	1.562	2.483	10.3	19.4
12 7	2 49.16	+ 2 6.5	1.615	2.475	13.8	19.6
12 17	2 44.91	+ 2 45.7	1.689	2.469	16.9	19.8

225350 1998 TO_{9} 11 11.8 67.°25 0.°4/11.5 18

10 8	3 32.27	+18 12.0	2.148	2.981	12.5	20.8
10 18	3 27.33	+17 46.4	2.080	2.990	9.3	20.6
10 28	3 20.54	+17 13.6	2.037	3.000	5.7	20.4
11 7	3 12.61	+16 36.1	2.021	3.009	1.9	20.1
11 17	3 4.37	+15 57.1	2.035	3.019	2.2	20.2
11 27	2 56.76	+15 20.7	2.077	3.028	6.0	20.5
12 7	2 50.56	+14 50.7	2.147	3.038	9.4	20.7
12 17	2 46.32	+14 30.1	2.242	3.048	12.4	20.9

78288 2002 PC_{50} 11 11.8 29.°92 1.°6/12.6 18

10 8	3 35.89	+21 22.2	1.458	2.301	16.9	18.0
10 18	3 30.91	+21 39.8	1.399	2.311	12.8	17.8
10 28	3 23.13	+21 46.5	1.362	2.322	8.2	17.6
11 7	3 13.52	+21 42.5	1.348	2.334	3.4	17.3
11 17	3 3.41	+21 29.8	1.362	2.347	2.8	17.3
11 27	2 54.26	+21 12.6	1.402	2.360	7.5	17.6
12 7	2 47.26	+20 56.5	1.467	2.374	11.9	17.9
12 17	2 43.13	+20 46.2	1.554	2.388	15.6	18.2

421556 2014 OM_{188} 11 11.8 65.°75 4.°8/ 8.1 18

10 8	3 30.88	+ 5 58.5	2.113	2.959	12.2	21.1
10 18	3 26.15	+ 4 47.1	2.062	2.974	9.3	21.0
10 28	3 19.74	+ 3 37.4	2.036	2.990	6.4	20.8
11 7	3 12.32	+ 2 34.8	2.037	3.006	4.8	20.7
11 17	3 4.71	+ 1 44.3	2.067	3.021	5.9	20.8
11 27	2 57.74	+ 1 9.8	2.124	3.037	8.5	21.0
12 7	2 52.13	+ 0 53.0	2.207	3.053	11.2	21.2
12 17	2 48.34	+ 0 53.8	2.313	3.069	13.6	21.4

182164 2000 SO_{196} 11 11.8 36.°34 2.°7/13.4 18

10 8	3 35.13	+25 20.0	1.824	2.644	14.9	20.6
10 18	3 29.98	+25 33.1	1.753	2.650	11.6	20.4
10 28	3 22.43	+25 33.6	1.705	2.656	7.7	20.2
11 7	3 13.28	+25 21.1	1.683	2.663	4.0	20.0
11 17	3 3.65	+24 57.1	1.688	2.670	3.1	20.0
11 27	2 54.77	+24 25.7	1.722	2.678	6.6	20.2
12 7	2 47.67	+23 52.5	1.782	2.685	10.3	20.5
12 17	2 43.05	+23 22.7	1.866	2.693	13.7	20.7

380405 2002 YZ_{17} 11 11.8 346.°76 1.°9/12.8 18

10 8	3 28.34	+24 16.6	1.046	1.915	20.1	19.8
10 18	3 26.35	+23 54.8	0.977	1.902	15.6	19.5
10 28	3 20.87	+23 10.9	0.926	1.892	10.2	19.2
11 7	3 12.91	+22 6.6	0.896	1.882	4.3	18.8
11 17	3 4.02	+20 48.0	0.889	1.875	3.3	18.7
11 27	2 56.12	+19 25.7	0.905	1.869	9.3	19.1
12 7	2 50.80	+18 11.7	0.942	1.864	15.0	19.4
12 17	2 48.99	+17 14.7	0.999	1.862	20.0	19.6

133631 2003 UV_{137} 11 11.8 35.°08 0.°5/11.7 18

10 8	3 40.10	+14 31.5	1.532	2.374	16.2	19.2
10 18	3 33.95	+15 6.0	1.467	2.381	12.2	18.9
10 28	3 25.00	+15 38.1	1.425	2.388	7.5	18.7
11 7	3 14.16	+16 7.8	1.408	2.396	2.5	18.4
11 17	3 2.72	+16 35.7	1.419	2.404	2.8	18.5
11 27	2 52.16	+17 3.4	1.459	2.412	7.7	18.8
12 7	2 43.69	+17 33.1	1.524	2.421	12.2	19.1
12 17	2 38.10	+18 7.1	1.612	2.431	15.9	19.3

348259 2004 TF_{162} 11 11.8 8°.99 1°.3/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.71	+20 52.5	2.361	3.182	11.9	19.9
10 18	3 27.69	+21 19.5	2.284	3.185	9.1	19.7
10 28	3 20.82	+21 40.2	2.232	3.188	5.8	19.5
11 7	3 12.74	+21 54.5	2.208	3.192	2.5	19.3
11 17	3 4.23	+22 2.9	2.213	3.197	2.1	19.3
11 27	2 56.20	+22 7.3	2.247	3.202	5.3	19.5
12 7	2 49.47	+22 10.3	2.310	3.207	8.6	19.7
12 17	2 44.60	+22 14.9	2.397	3.213	11.4	19.9

178470 1999 RV_{156} 11 11.8 68°.88 4°.3/14.0 18

10 8	3 41.49	+28 0.8	1.313	2.138	19.4	19.9
10 18	3 35.35	+28 18.5	1.263	2.159	15.2	19.7
10 28	3 25.92	+28 16.5	1.233	2.181	10.4	19.5
11 7	3 14.44	+27 53.6	1.225	2.202	5.8	19.3
11 17	3 2.56	+27 12.1	1.244	2.224	4.6	19.3
11 27	2 52.04	+26 19.2	1.289	2.245	8.2	19.6
12 7	2 44.23	+25 24.0	1.359	2.267	12.5	19.9
12 17	2 39.78	+24 34.9	1.451	2.288	16.3	20.2

299084 2005 EF_{47} 11 11.8 207°.10 1°.8/10.6 18

10 8	3 34.16	+14 44.6	2.021	2.859	13.0	21.1
10 18	3 28.93	+14 6.6	1.943	2.856	9.7	20.9
10 28	3 21.65	+13 22.7	1.889	2.853	6.0	20.6
11 7	3 13.03	+12 36.4	1.863	2.849	2.4	20.4
11 17	3 3.98	+11 51.8	1.865	2.845	3.3	20.4
11 27	2 55.53	+11 13.5	1.897	2.841	7.1	20.7
12 7	2 48.56	+10 45.6	1.956	2.837	10.7	20.9
12 17	2 43.69	+10 30.5	2.038	2.832	13.9	21.1

154932 Sviderskiene 11 11.8 353°.22 0°.8/12.4 17

10 8	3 28.62	+21 11.8	2.179	3.012	12.4	19.9
10 18	3 24.79	+21 3.7	2.097	3.005	9.4	19.7
10 28	3 19.11	+20 47.0	2.040	2.999	5.9	19.5
11 7	3 12.20	+20 22.8	2.008	2.995	2.3	19.3
11 17	3 4.86	+19 53.7	2.005	2.991	2.0	19.2
11 27	2 58.01	+19 23.1	2.031	2.987	5.7	19.5
12 7	2 52.47	+18 55.2	2.084	2.985	9.2	19.7
12 17	2 48.82	+18 33.3	2.161	2.983	12.2	19.9

344821 2004 ER_{6} 11 11.8 241°.63 3°.9/13.8 18

10 8	3 39.29	+27 19.6	1.611	2.426	16.8	21.1
10 18	3 33.67	+27 43.2	1.529	2.421	13.3	20.8
10 28	3 25.04	+27 51.5	1.469	2.415	9.2	20.6
11 7	3 14.26	+27 42.4	1.433	2.410	5.2	20.3
11 17	3 2.66	+27 16.3	1.424	2.404	4.3	20.3
11 27	2 51.82	+26 37.6	1.443	2.397	7.7	20.4
12 7	2 43.11	+25 53.5	1.488	2.391	12.0	20.7
12 17	2 37.43	+25 11.7	1.555	2.385	15.8	20.9

372795 2010 RS_{107} 11 11.8 3°.26 4°.4/13.4 18

10 8	3 36.07	+24 33.0	1.018	1.877	21.2	20.4
10 18	3 32.37	+25 23.0	0.958	1.875	16.7	20.2
10 28	3 24.73	+25 57.3	0.916	1.875	11.3	19.9
11 7	3 14.25	+26 12.3	0.894	1.876	6.1	19.6
11 17	3 2.71	+26 7.6	0.895	1.878	5.0	19.5
11 27	2 52.35	+25 48.3	0.920	1.881	9.7	19.8
12 7	2 44.98	+25 23.2	0.966	1.886	15.0	20.1
12 17	2 41.59	+25 1.1	1.031	1.891	19.7	20.4

120353 Katrinajackson 11 11.8 73°.20 3°.7/ 9.9 18

10 8	3 38.74	+11 52.5	1.398	2.251	16.9	20.1
10 18	3 32.60	+10 56.1	1.359	2.278	12.5	19.9
10 28	3 23.89	+ 9 56.8	1.341	2.305	7.8	19.7
11 7	3 13.73	+ 9 0.6	1.349	2.333	4.0	19.6
11 17	3 3.44	+ 8 13.8	1.384	2.359	5.2	19.7
11 27	2 54.37	+ 7 41.9	1.447	2.386	9.3	20.0
12 7	2 47.51	+ 7 27.6	1.533	2.412	13.3	20.3
12 17	2 43.41	+ 7 31.2	1.641	2.438	16.6	20.6

234734 2002 LD_{34} 11 11.8 88°.81 4°.0/ 9.4 18

10 8	3 35.45	+ 9 0.0	1.777	2.623	14.2	20.2
10 18	3 29.86	+ 8 10.9	1.725	2.640	10.6	20.1
10 28	3 22.16	+ 7 21.6	1.696	2.656	6.9	19.9
11 7	3 13.19	+ 6 36.9	1.694	2.673	4.2	19.8
11 17	3 3.98	+ 6 1.7	1.720	2.689	5.2	19.9
11 27	2 55.60	+ 5 40.1	1.774	2.705	8.6	20.1
12 7	2 48.93	+ 5 34.3	1.853	2.720	11.9	20.3
12 17	2 44.51	+ 5 44.3	1.955	2.736	14.9	20.6

121703 1999 XZ_{83} 11 11.8 326°.39 8°.2/ 7.4 17

10 8	3 32.74	− 3 1.8	1.771	2.613	14.4	18.6
10 18	3 28.18	− 3 44.1	1.695	2.595	11.7	18.4
10 28	3 21.37	− 4 16.4	1.642	2.577	9.3	18.3
11 7	3 13.02	− 4 32.4	1.613	2.560	8.2	18.2
11 17	3 4.08	− 4 27.0	1.609	2.543	9.2	18.2
11 27	2 55.68	− 3 57.3	1.632	2.527	11.7	18.3
12 7	2 48.83	− 3 4.1	1.677	2.512	14.6	18.4
12 17	2 44.23	− 1 50.2	1.743	2.498	17.4	18.6

457873 2009 SG_{254} 11 11.9 359°.53 1°.3/12.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.31	+22 42.2	1.741	2.578	14.8	21.4
10 18	3 27.23	+22 30.4	1.667	2.576	11.3	21.2
10 28	3 20.80	+22 6.5	1.615	2.574	7.3	20.9
11 7	3 12.82	+21 31.7	1.588	2.574	3.0	20.7
11 17	3 4.33	+20 49.3	1.589	2.574	2.4	20.6
11 27	2 56.54	+20 4.4	1.617	2.575	6.7	20.9
12 7	2 50.45	+19 22.8	1.671	2.576	10.8	21.1
12 17	2 46.75	+18 49.4	1.749	2.579	14.3	21.4

227045 2005 BZ_{27} 11 11.9 355°.44 24°.0/24.8 17

10 8	3 32.45	−24 5.7	0.944	1.770	25.1	19.7
10 18	3 29.27	−27 21.9	0.927	1.767	24.2	19.6
10 28	3 22.49	−29 51.8	0.925	1.764	24.1	19.6
11 7	3 13.42	−31 19.0	0.937	1.762	24.7	19.6
11 17	3 3.81	−31 35.7	0.962	1.762	25.8	19.7
11 27	2 55.57	−30 43.0	0.999	1.762	27.3	19.8
12 7	2 50.12	−28 51.0	1.046	1.763	28.8	20.0
12 17	2 48.14	−26 12.9	1.102	1.765	30.2	20.2

84300 2002 TT_{38} 11 11.9 52°.63 0°.3/12.1 18

10 8	3 33.65	+21 9.6	1.825	2.658	14.4	18.9
10 18	3 28.78	+20 37.8	1.752	2.661	10.9	18.7
10 28	3 21.66	+19 54.5	1.702	2.663	6.8	18.5
11 7	3 13.08	+19 2.2	1.679	2.666	2.4	18.2
11 17	3 4.09	+18 4.9	1.684	2.669	2.3	18.2
11 27	2 55.83	+17 8.5	1.718	2.672	6.7	18.5
12 7	2 49.25	+16 18.8	1.778	2.675	10.7	18.8
12 17	2 45.00	+15 40.3	1.861	2.678	14.1	19.0

449819 2014 OJ_{384} 11 11.9 74°.09 8°.6/ 6.1 18

10 8	3 32.91	− 7 42.2	2.134	2.956	13.0	20.7
10 18	3 27.67	− 8 43.0	2.090	2.968	10.9	20.5
10 28	3 20.71	− 9 31.3	2.069	2.979	9.2	20.5
11 7	3 12.72	−10 1.3	2.074	2.991	8.6	20.5
11 17	3 4.51	−10 9.2	2.104	3.003	9.4	20.5
11 27	2 56.98	− 9 53.6	2.160	3.014	11.1	20.7
12 7	2 50.83	− 9 15.6	2.239	3.026	13.1	20.8
12 17	2 46.55	− 8 18.5	2.339	3.038	14.9	21.0

28093 Staceylevoit 11 11.9 186°.53 2°.1/13.2 18

10 8	3 38.83	+24 59.1	1.915	2.727	14.6	19.4
10 18	3 32.71	+24 50.9	1.834	2.727	11.3	19.2
10 28	3 24.14	+24 29.2	1.775	2.727	7.5	19.0
11 7	3 13.93	+23 54.4	1.743	2.725	3.5	18.7
11 17	3 3.18	+23 8.7	1.740	2.723	2.7	18.7
11 27	2 53.16	+22 17.1	1.766	2.721	6.5	18.9
12 7	2 44.92	+21 26.0	1.820	2.718	10.5	19.1
12 17	2 39.19	+20 41.2	1.898	2.714	13.9	19.4

5999 Plescia 11 11.9 296°.27 8°.5/ 9.5 18 R

10 8	3 45.37	− 2 14.7	1.446	2.278	17.5	18.0
10 18	3 38.72	− 2 21.5	1.345	2.243	14.3	17.7
10 28	3 28.58	− 2 14.1	1.266	2.207	10.9	17.4
11 7	3 15.63	− 1 45.3	1.211	2.171	8.6	17.2
11 17	3 1.18	− 0 49.8	1.182	2.135	9.6	17.1
11 27	2 47.01	+ 0 34.2	1.181	2.098	13.2	17.2
12 7	2 34.84	+ 2 23.8	1.204	2.062	17.7	17.4
12 17	2 25.92	+ 4 33.4	1.249	2.025	21.9	17.6

74766 1999 RX_{217} 11 11.9 94°.36 2°.5/13.1 18

10 8	3 40.91	+24 24.3	1.455	2.282	17.7	19.3
10 18	3 34.71	+24 32.4	1.395	2.297	13.6	19.1
10 28	3 25.51	+24 25.5	1.357	2.312	8.9	18.9
11 7	3 14.38	+24 3.6	1.344	2.326	4.2	18.6
11 17	3 2.78	+23 29.2	1.357	2.341	3.3	18.6
11 27	2 52.29	+22 47.9	1.398	2.355	7.6	18.9
12 7	2 44.19	+22 7.3	1.465	2.368	12.1	19.2
12 17	2 39.18	+21 33.7	1.554	2.382	15.9	19.5

267138 2000 EB_{122} 11 11.9 248°.76 6°.3/16.5 17

10 8	3 37.70	+38 19.0	2.586	3.327	13.1	21.0
10 18	3 31.78	+39 3.3	2.491	3.318	11.1	20.9
10 28	3 23.59	+39 32.1	2.417	3.309	8.9	20.7
11 7	3 13.78	+39 42.3	2.369	3.299	7.0	20.6
11 17	3 3.29	+39 32.5	2.349	3.289	6.3	20.5
11 27	2 53.25	+39 4.3	2.357	3.280	7.2	20.6
12 7	2 44.69	+38 22.4	2.392	3.270	9.2	20.7
12 17	2 38.36	+37 32.8	2.452	3.259	11.4	20.8

359962 2012 BB_{76} 11 11.9 87°.63 1°.9/10.6 18

10 8	3 34.04	+13 14.0	2.061	2.899	12.8	20.9
10 18	3 28.69	+12 50.0	1.997	2.910	9.5	20.7
10 28	3 21.43	+12 22.7	1.958	2.921	5.9	20.6
11 7	3 12.99	+11 55.0	1.946	2.932	2.4	20.4
11 17	3 4.24	+11 30.3	1.963	2.943	3.2	20.4
11 27	2 56.15	+11 12.0	2.010	2.954	6.8	20.7
12 7	2 49.53	+11 2.9	2.083	2.964	10.2	20.9
12 17	2 44.93	+11 4.4	2.180	2.975	13.1	21.1

107706 2001 FS_{18} 11 11.9 164°.16 1°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.31	+15 13.2	2.222	3.054	12.2	20.6
10 18	3 28.82	+14 25.7	2.149	3.058	9.1	20.4
10 28	3 21.49	+13 32.3	2.100	3.063	5.6	20.2
11 7	3 13.01	+12 36.4	2.080	3.067	2.2	20.0
11 17	3 4.22	+11 42.3	2.090	3.070	3.1	20.0
11 27	2 56.03	+10 54.6	2.130	3.073	6.6	20.3
12 7	2 49.22	+10 17.1	2.198	3.075	9.9	20.5
12 17	2 44.35	+ 9 52.2	2.290	3.077	12.8	20.7

266122 2006 ST_{391} 11 11.9 16°.14 5°.2/14.1 18

10 8	3 35.77	+27 18.7	1.067	1.917	21.2	19.6
10 18	3 31.95	+27 59.8	1.011	1.921	16.7	19.3
10 28	3 24.34	+28 20.7	0.973	1.927	11.7	19.1
11 7	3 14.11	+28 18.7	0.956	1.934	6.8	18.8
11 17	3 3.05	+27 54.2	0.962	1.942	5.5	18.8
11 27	2 53.26	+27 13.9	0.991	1.951	9.4	19.1
12 7	2 46.39	+26 27.9	1.043	1.962	14.3	19.4
12 17	2 43.31	+25 45.8	1.115	1.973	18.6	19.7

167220 2003 UQ_{32} 11 11.9 135°.53 0°.4/11.6 18

10 8	3 36.00	+18 28.2	2.028	2.856	13.3	20.6
10 18	3 30.24	+18 2.3	1.959	2.866	10.0	20.4
10 28	3 22.43	+17 28.5	1.914	2.875	6.1	20.2
11 7	3 13.33	+16 49.0	1.896	2.884	2.0	19.9
11 17	3 3.89	+16 7.4	1.908	2.892	2.3	20.0
11 27	2 55.16	+15 28.2	1.950	2.900	6.4	20.3
12 7	2 48.01	+14 55.6	2.019	2.908	10.0	20.5
12 17	2 43.02	+14 33.0	2.112	2.915	13.2	20.7

164996 2000 BS_{17} 11 11.9 342°.76 2°.3/12.9 18

10 8	3 33.68	+22 43.6	1.397	2.243	17.3	19.5
10 18	3 29.71	+23 1.4	1.320	2.233	13.4	19.2
10 28	3 22.72	+23 6.9	1.264	2.224	8.8	18.9
11 7	3 13.57	+22 59.5	1.231	2.216	3.9	18.6
11 17	3 3.56	+22 40.8	1.224	2.209	3.2	18.6
11 27	2 54.31	+22 15.3	1.243	2.203	8.0	18.8
12 7	2 47.20	+21 49.6	1.286	2.198	12.8	19.1
12 17	2 43.14	+21 29.8	1.350	2.193	17.0	19.4

321017 2008 LX_{11} 11 11.9 37°.61 2°.1/10.2 18

10 8	3 31.28	+14 53.3	2.072	2.913	12.6	20.8
10 18	3 26.70	+13 53.4	1.999	2.914	9.4	20.5
10 28	3 20.24	+12 47.0	1.952	2.916	5.8	20.3
11 7	3 12.61	+11 38.3	1.931	2.917	2.5	20.1
11 17	3 4.64	+10 32.7	1.940	2.918	3.5	20.2
11 27	2 57.27	+ 9 35.4	1.978	2.920	7.1	20.4
12 7	2 51.30	+ 8 50.7	2.043	2.921	10.5	20.6
12 17	2 47.28	+ 8 21.1	2.132	2.923	13.5	20.9

490879 2011 BA_{21} 11 11.9 35°.59 8°.2/ 6.3 18

10 8	3 32.13	− 6 8.9	2.142	2.969	12.8	21.1
10 18	3 27.18	− 7 6.6	2.087	2.971	10.6	20.9
10 28	3 20.47	− 7 53.4	2.056	2.974	8.8	20.8
11 7	3 12.67	− 8 23.5	2.051	2.977	8.2	20.8
11 17	3 4.59	− 8 32.9	2.072	2.980	9.0	20.9
11 27	2 57.11	− 8 19.5	2.119	2.984	10.8	21.0
12 7	2 50.96	− 7 44.3	2.189	2.987	13.0	21.1
12 17	2 46.68	− 6 49.8	2.280	2.990	15.0	21.3

514786 2007 HS_{30} 11 11.9 235°.28 0°.1/11.8 18

10 8	3 37.52	+18 40.8	1.859	2.689	14.3	22.7
10 18	3 31.84	+18 29.9	1.772	2.679	10.8	22.5
10 28	3 23.69	+18 10.7	1.707	2.668	6.8	22.2
11 7	3 13.84	+17 44.4	1.669	2.657	2.3	21.9
11 17	3 3.32	+17 13.9	1.660	2.645	2.4	21.9
11 27	2 53.38	+16 43.6	1.680	2.633	7.0	22.1
12 7	2 45.13	+16 18.3	1.727	2.620	11.2	22.4
12 17	2 39.32	+16 1.9	1.798	2.607	14.9	22.6

228181 2009 TF_{9} 11 11.9 60°.70 1°.8/13.3 18

10 8	3 32.44	+25 29.7	2.182	2.996	13.0	20.1
10 18	3 27.60	+25 6.1	2.106	3.001	10.0	20.0
10 28	3 20.82	+24 29.8	2.054	3.006	6.6	19.8
11 7	3 12.81	+23 42.1	2.028	3.011	3.0	19.5
11 17	3 4.46	+22 46.0	2.032	3.015	2.3	19.5
11 27	2 56.74	+21 46.2	2.065	3.020	5.6	19.7
12 7	2 50.48	+20 48.4	2.126	3.025	9.1	20.0
12 17	2 46.25	+19 57.4	2.211	3.031	12.1	20.2

279766 1999 RE_{3} 11 11.9 40°.63 2°.8/10.5 18

10 8	3 36.11	+14 47.3	1.162	2.028	18.7	19.3
10 18	3 30.97	+13 51.9	1.133	2.059	13.8	19.1
10 28	3 23.00	+12 50.4	1.124	2.092	8.4	18.9
11 7	3 13.48	+11 49.4	1.139	2.125	3.4	18.8
11 17	3 3.91	+10 56.3	1.179	2.159	4.6	18.9
11 27	2 55.75	+10 17.4	1.245	2.194	9.4	19.3
12 7	2 50.03	+ 9 56.5	1.334	2.228	13.7	19.7
12 17	2 47.23	+ 9 54.2	1.443	2.264	17.3	20.0

85251 1993 RJ_{18} 11 11.9 68°.14 5°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.67	+31 42.0	1.738	2.531	16.6	19.4
10 18	3 34.27	+32 18.4	1.682	2.554	13.3	19.2
10 28	3 25.13	+32 36.6	1.647	2.577	9.7	19.1
11 7	3 14.26	+32 34.3	1.637	2.600	6.5	18.9
11 17	3 2.98	+32 11.9	1.654	2.623	5.4	18.9
11 27	2 52.74	+31 34.0	1.699	2.646	7.5	19.1
12 7	2 44.69	+30 47.7	1.770	2.669	10.7	19.3
12 17	2 39.50	+30 0.6	1.865	2.691	13.7	19.6

48937 1998 QN_{4} 11 11.9 204°.99 2°.6/13.2 18

10 8	3 39.84	+24 23.3	1.706	2.525	15.9	18.3
10 18	3 33.85	+24 39.7	1.626	2.522	12.3	18.1
10 28	3 25.05	+24 43.6	1.567	2.519	8.2	17.9
11 7	3 14.31	+24 34.1	1.535	2.516	4.0	17.6
11 17	3 2.85	+24 12.1	1.530	2.513	3.2	17.5
11 27	2 52.12	+23 41.9	1.554	2.509	7.2	17.8
12 7	2 43.38	+23 9.5	1.604	2.504	11.4	18.0
12 17	2 37.45	+22 41.0	1.677	2.499	15.2	18.3

481913 2009 BM_{53} 11 11.9 322°.31 6°.4/15.3 17

10 8	3 35.98	+32 59.0	1.577	2.381	17.6	20.7
10 18	3 31.50	+33 34.4	1.493	2.369	14.5	20.5
10 28	3 23.88	+33 50.1	1.428	2.358	10.9	20.2
11 7	3 13.99	+33 42.2	1.386	2.348	7.6	20.0
11 17	3 3.15	+33 10.0	1.370	2.338	6.4	19.9
11 27	2 53.05	+32 17.5	1.379	2.328	8.7	20.0
12 7	2 45.14	+31 13.1	1.414	2.319	12.3	20.2
12 17	2 40.39	+30 6.5	1.470	2.311	16.0	20.4

458512 2011 CQ_{47} 11 11.9 248°.27 7°.8/ 5.4 18

10 8	3 33.73	−11 6.0	2.852	3.647	10.8	21.0
10 18	3 28.09	−11 47.8	2.777	3.631	9.3	20.8
10 28	3 20.95	−12 18.4	2.726	3.614	8.1	20.7
11 7	3 12.85	−12 33.4	2.701	3.598	7.8	20.7
11 17	3 4.42	−12 29.7	2.704	3.581	8.4	20.7
11 27	2 56.37	−12 5.7	2.734	3.563	9.8	20.8
12 7	2 49.35	−11 22.0	2.788	3.546	11.5	20.9
12 17	2 43.85	−10 20.8	2.864	3.528	13.1	21.0

24224 Matthewdavis 11 11.9 125°.75 1°.8/13.4 18

10 8	3 32.80	+25 48.9	2.369	3.177	12.3	19.2
10 18	3 27.73	+25 26.2	2.291	3.182	9.5	19.0
10 28	3 20.85	+24 51.4	2.237	3.187	6.3	18.8
11 7	3 12.82	+24 5.7	2.210	3.191	3.0	18.6
11 17	3 4.48	+23 11.7	2.213	3.196	2.2	18.6
11 27	2 56.72	+22 13.8	2.246	3.200	5.3	18.8
12 7	2 50.33	+21 17.2	2.307	3.205	8.5	19.0
12 17	2 45.84	+20 26.4	2.394	3.209	11.4	19.2

514984 2009 FN_{14} 11 11.9 171°.21 3°.2/13.8 18

10 8	3 37.79	+27 5.0	2.091	2.893	13.9	21.5
10 18	3 31.85	+27 25.0	2.011	2.895	10.9	21.3
10 28	3 23.60	+27 32.6	1.953	2.896	7.5	21.1
11 7	3 13.79	+27 26.9	1.922	2.898	4.3	20.9
11 17	3 3.44	+27 8.3	1.920	2.899	3.5	20.9
11 27	2 53.71	+26 40.2	1.947	2.899	6.3	21.0
12 7	2 45.63	+26 7.6	2.002	2.900	9.7	21.3
12 17	2 39.89	+25 35.9	2.081	2.900	12.8	21.5

421898 2014 QF_{203} 11 11.9 136°.52 1°.0/12.6 18

10 8	3 34.01	+22 27.3	2.427	3.241	11.9	21.8
10 18	3 28.54	+22 13.2	2.353	3.250	9.0	21.6
10 28	3 21.32	+21 50.0	2.303	3.258	5.7	21.4
11 7	3 12.98	+21 18.8	2.281	3.266	2.3	21.2
11 17	3 4.34	+20 42.0	2.288	3.273	1.9	21.2
11 27	2 56.26	+20 3.3	2.326	3.280	5.3	21.4
12 7	2 49.51	+19 26.6	2.393	3.287	8.5	21.7
12 17	2 44.61	+18 55.7	2.485	3.294	11.3	21.9

446528 2014 LF_{23} 11 11.9 123°.14 0°.6/11.5 18

10 8	3 34.37	+18 20.1	2.156	2.985	12.6	21.8
10 18	3 28.90	+17 45.6	2.089	2.996	9.4	21.6
10 28	3 21.56	+17 3.5	2.045	3.007	5.8	21.4
11 7	3 13.06	+16 16.2	2.030	3.017	1.9	21.2
11 17	3 4.27	+15 27.7	2.044	3.028	2.3	21.2
11 27	2 56.15	+14 42.3	2.088	3.037	6.1	21.5
12 7	2 49.49	+14 4.4	2.160	3.047	9.6	21.7
12 17	2 44.82	+13 36.8	2.256	3.056	12.5	21.9

425631 2010 VZ_{123} 11 11.9 108°.79 1°.6/12.8 15

10 8	3 40.97	+24 10.2	1.565	2.388	16.9	21.5
10 18	3 34.44	+23 48.1	1.507	2.408	12.8	21.3
10 28	3 25.19	+23 10.8	1.471	2.427	8.2	21.0
11 7	3 14.27	+22 19.7	1.461	2.445	3.4	20.8
11 17	3 3.05	+21 19.3	1.479	2.463	2.7	20.8
11 27	2 52.96	+20 16.5	1.525	2.481	7.2	21.1
12 7	2 45.11	+19 18.9	1.598	2.497	11.5	21.4
12 17	2 40.12	+18 32.2	1.694	2.513	15.2	21.7

523386 2017 DQ_{39} 11 11.9 82°.46 9°.1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 31.54	− 8 56.3	2.201	3.020	12.7	20.9
10 18	3 26.68	−10 15.4	2.156	3.028	10.8	20.8
10 28	3 20.14	−11 21.7	2.135	3.036	9.4	20.7
11 7	3 12.58	−12 9.1	2.139	3.044	9.1	20.7
11 17	3 4.79	−12 33.3	2.168	3.051	9.9	20.7
11 27	2 57.60	−12 32.1	2.223	3.059	11.5	20.9
12 7	2 51.73	−12 6.7	2.299	3.067	13.4	21.0
12 17	2 47.65	−11 20.0	2.396	3.074	15.1	21.2

124756 2001 SM_{225} 11 11.9 232°.50 0°.5/12.1 18

10 8	3 37.64	+19 49.7	1.762	2.593	14.9	20.2
10 18	3 32.04	+19 43.6	1.678	2.586	11.4	20.0
10 28	3 23.87	+19 28.1	1.618	2.578	7.2	19.7
11 7	3 13.93	+19 4.3	1.583	2.570	2.5	19.4
11 17	3 3.32	+18 34.7	1.577	2.562	2.4	19.4
11 27	2 53.35	+18 3.8	1.600	2.554	7.1	19.7
12 7	2 45.18	+17 37.0	1.649	2.545	11.4	19.9
12 17	2 39.58	+17 18.5	1.721	2.536	15.2	20.1

515619 2014 KU_{94} 11 11.9 130°.03 4°.9/ 8.6 18

10 8	3 33.74	+ 5 10.2	2.031	2.873	12.8	21.7
10 18	3 28.48	+ 4 19.1	1.969	2.879	9.8	21.5
10 28	3 21.33	+ 3 30.2	1.931	2.885	6.8	21.3
11 7	3 13.00	+ 2 48.6	1.921	2.890	5.0	21.2
11 17	3 4.35	+ 2 18.8	1.938	2.895	6.0	21.3
11 27	2 56.34	+ 2 4.2	1.984	2.900	8.7	21.5
12 7	2 49.78	+ 2 6.3	2.055	2.905	11.7	21.7
12 17	2 45.20	+ 2 24.8	2.148	2.910	14.3	21.9

252786 2002 EV_{137} 11 11.9 302°.62 0°.4/12.1 18

10 8	3 33.39	+19 50.9	2.016	2.847	13.3	20.7
10 18	3 28.55	+19 42.8	1.932	2.840	10.1	20.4
10 28	3 21.56	+19 26.2	1.872	2.832	6.3	20.2
11 7	3 13.13	+19 2.6	1.837	2.825	2.2	19.9
11 17	3 4.17	+18 34.3	1.832	2.817	2.1	19.9
11 27	2 55.74	+18 5.3	1.855	2.810	6.3	20.2
12 7	2 48.81	+17 39.9	1.906	2.803	10.1	20.4
12 17	2 44.03	+17 21.9	1.980	2.796	13.4	20.6

450490 2005 YB_{105} 11 11.9 1°.52 5°.0/ 9.0 18

10 8	3 32.94	+ 4 40.6	1.883	2.730	13.4	20.5
10 18	3 28.09	+ 4 7.8	1.817	2.729	10.3	20.3
10 28	3 21.20	+ 3 38.6	1.774	2.729	7.2	20.1
11 7	3 12.98	+ 3 17.6	1.758	2.729	5.1	20.0
11 17	3 4.36	+ 3 8.6	1.769	2.729	6.1	20.1
11 27	2 56.37	+ 3 14.7	1.807	2.730	9.0	20.3
12 7	2 49.88	+ 3 36.6	1.871	2.731	12.2	20.5
12 17	2 45.51	+ 4 13.7	1.956	2.733	15.0	20.7

137301 1999 RP_{239} 11 11.9 96°.57 4°.6/14.9 18

10 8	3 40.98	+31 46.4	1.540	2.341	18.1	19.9
10 18	3 34.69	+31 36.3	1.480	2.360	14.4	19.7
10 28	3 25.44	+31 3.7	1.441	2.379	10.2	19.5
11 7	3 14.38	+30 8.1	1.426	2.397	6.2	19.3
11 17	3 2.99	+28 53.0	1.438	2.415	4.7	19.3
11 27	2 52.84	+27 26.3	1.478	2.432	7.6	19.5
12 7	2 45.11	+25 58.2	1.545	2.449	11.5	19.8
12 17	2 40.44	+24 37.7	1.635	2.466	15.1	20.1

321065 2008 SS_{49} 11 11.9 101°.44 4°.6/ 7.7 18

10 8	3 30.51	+ 5 3.1	2.478	3.317	10.9	21.4
10 18	3 25.73	+ 3 49.1	2.422	3.330	8.3	21.2
10 28	3 19.49	+ 2 36.7	2.392	3.343	5.9	21.1
11 7	3 12.37	+ 1 31.1	2.391	3.355	4.6	21.0
11 17	3 5.05	+ 0 36.6	2.419	3.368	5.6	21.1
11 27	2 58.28	− 0 3.2	2.476	3.380	7.8	21.3
12 7	2 52.66	− 0 26.4	2.559	3.393	10.2	21.4
12 17	2 48.62	− 0 33.1	2.665	3.405	12.4	21.6

40298 1999 JD_{81} 11 11.9 68°.13 4°.5/10.1 18

10 8	3 40.96	+ 9 21.9	1.238	2.096	18.3	18.4
10 18	3 34.56	+ 8 45.9	1.201	2.122	13.7	18.2
10 28	3 25.26	+ 8 10.5	1.184	2.148	8.7	18.0
11 7	3 14.29	+ 7 41.2	1.192	2.174	4.8	17.9
11 17	3 3.15	+ 7 23.2	1.226	2.200	5.9	18.0
11 27	2 53.39	+ 7 20.4	1.286	2.226	10.2	18.3
12 7	2 46.12	+ 7 34.4	1.369	2.252	14.3	18.7
12 17	2 41.90	+ 8 4.4	1.473	2.277	17.8	19.0

354639 2005 GX_{90} 11 11.9 261°.30 3°.1/13.6 18

10 8	3 36.90	+26 20.6	1.911	2.723	14.7	21.6
10 18	3 31.48	+26 37.2	1.824	2.714	11.5	21.4
10 28	3 23.54	+26 41.0	1.759	2.706	7.9	21.1
11 7	3 13.84	+26 30.9	1.719	2.697	4.3	20.9
11 17	3 3.44	+26 7.7	1.708	2.688	3.4	20.8
11 27	2 53.63	+25 35.0	1.725	2.679	6.7	21.0
12 7	2 45.54	+24 58.4	1.769	2.670	10.5	21.2
12 17	2 39.96	+24 23.8	1.838	2.661	14.0	21.4

517077 2013 CK_{93} 11 11.9 145°.72 1°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.19	+14 46.5	2.107	2.943	12.6	22.1
10 18	3 28.85	+14 14.5	2.036	2.948	9.4	21.9
10 28	3 21.59	+13 37.6	1.989	2.952	5.8	21.7
11 7	3 13.11	+12 58.6	1.970	2.957	2.2	21.5
11 17	3 4.27	+12 21.3	1.981	2.961	3.0	21.5
11 27	2 56.06	+11 49.6	2.020	2.965	6.7	21.8
12 7	2 49.28	+11 27.2	2.087	2.969	10.1	22.0
12 17	2 44.52	+11 16.1	2.178	2.972	13.1	22.2

218657 2005 SO_{157} 11 11.9 75°.79 0°.9/11.3 18

10 8	3 33.40	+17 4.7	1.996	2.833	13.2	20.7
10 18	3 28.38	+16 37.6	1.928	2.839	9.9	20.5
10 28	3 21.34	+16 3.6	1.883	2.846	6.0	20.3
11 7	3 13.03	+15 25.4	1.865	2.852	2.0	20.1
11 17	3 4.37	+14 46.7	1.876	2.859	2.5	20.1
11 27	2 56.36	+14 11.8	1.916	2.866	6.5	20.4
12 7	2 49.87	+13 44.7	1.982	2.872	10.2	20.6
12 17	2 45.47	+13 28.2	2.073	2.879	13.3	20.9

362295 2009 SJ_{247} 11 11.9 99°.56 3°.1/14.0 18

10 8	3 40.13	+27 43.3	2.561	3.345	12.2	20.9
10 18	3 33.06	+28 17.4	2.497	3.369	9.5	20.8
10 28	3 24.09	+28 40.7	2.458	3.393	6.6	20.6
11 7	3 13.92	+28 51.9	2.447	3.417	4.0	20.5
11 17	3 3.45	+28 51.4	2.466	3.440	3.3	20.5
11 27	2 53.61	+28 41.2	2.516	3.463	5.4	20.6
12 7	2 45.24	+28 25.2	2.596	3.485	8.1	20.8
12 17	2 38.90	+28 7.5	2.701	3.507	10.5	21.1

352325 2007 US_{123} 11 11.9 1°.82 4°.4/ 9.9 18

10 8	3 35.05	+ 7 45.3	1.496	2.353	15.8	20.0
10 18	3 30.20	+ 7 25.5	1.432	2.352	12.0	19.8
10 28	3 22.74	+ 7 7.5	1.389	2.351	7.9	19.5
11 7	3 13.57	+ 6 55.9	1.371	2.351	4.6	19.3
11 17	3 3.84	+ 6 54.7	1.380	2.352	5.7	19.4
11 27	2 54.91	+ 7 7.2	1.414	2.353	9.5	19.6
12 7	2 47.89	+ 7 34.6	1.474	2.355	13.5	19.9
12 17	2 43.52	+ 8 16.5	1.554	2.358	17.1	20.1

168232 2006 KO_{41} 11 11.9 184°.59 2°.3/10.2 18

10 8	3 34.41	+13 41.9	2.068	2.905	12.8	20.4
10 18	3 29.07	+12 51.2	1.993	2.905	9.5	20.2
10 28	3 21.76	+11 55.1	1.942	2.905	5.9	20.0
11 7	3 13.19	+10 57.7	1.920	2.904	2.7	19.8
11 17	3 4.24	+10 3.7	1.926	2.903	3.7	19.9
11 27	2 55.90	+ 9 17.9	1.962	2.902	7.2	20.1
12 7	2 49.01	+ 8 44.4	2.025	2.900	10.7	20.3
12 17	2 44.17	+ 8 25.2	2.112	2.898	13.8	20.5

220903 2005 AD_{2} 11 11.9 1°.38 4°.5/14.2 18

10 8	3 34.41	+28 16.8	1.712	2.529	15.9	19.0
10 18	3 29.87	+28 56.5	1.637	2.527	12.6	18.8
10 28	3 22.65	+29 22.0	1.584	2.527	9.0	18.6
11 7	3 13.58	+29 31.1	1.555	2.527	5.6	18.4
11 17	3 3.81	+29 23.7	1.552	2.528	4.7	18.4
11 27	2 54.74	+29 2.8	1.577	2.530	7.3	18.5
12 7	2 47.57	+28 34.5	1.627	2.533	11.0	18.8
12 17	2 43.10	+28 4.9	1.700	2.536	14.4	19.0

36202 1999 TG_{98} 11 11.9 26°.63 6°.1/ 8.2 18

10 8	3 32.34	+ 2 18.1	1.863	2.710	13.5	17.8
10 18	3 27.61	+ 1 29.4	1.805	2.715	10.5	17.6
10 28	3 20.88	+ 0 46.0	1.771	2.720	7.7	17.5
11 7	3 12.90	+ 0 13.4	1.762	2.725	6.1	17.4
11 17	3 4.59	− 0 3.8	1.781	2.731	7.1	17.5
11 27	2 56.96	− 0 2.7	1.826	2.737	9.7	17.6
12 7	2 50.84	+ 0 17.2	1.896	2.744	12.6	17.8
12 17	2 46.80	+ 0 54.6	1.987	2.751	15.3	18.0

185980 2001 MC_{25} 11 11.9 96°.46 1°.3/10.9 18

10 8	3 37.66	+18 38.1	1.635	2.472	15.6	19.6
10 18	3 31.70	+17 28.8	1.581	2.494	11.6	19.4
10 28	3 23.38	+16 8.8	1.551	2.515	7.0	19.2
11 7	3 13.70	+14 43.2	1.548	2.535	2.4	18.9
11 17	3 3.83	+13 18.9	1.573	2.556	3.2	19.0
11 27	2 55.00	+12 3.6	1.628	2.575	7.7	19.4
12 7	2 48.14	+11 3.2	1.708	2.594	11.7	19.6
12 17	2 43.79	+10 20.8	1.812	2.613	15.1	19.9

312418 2008 GR_{7} 11 11.9 275°.22 1°.5/12.9 17

10 8	3 34.15	+24 10.8	2.116	2.933	13.3	21.3
10 18	3 29.21	+23 50.3	2.014	2.911	10.3	21.1
10 28	3 22.07	+23 17.1	1.935	2.889	6.7	20.8
11 7	3 13.37	+22 31.7	1.883	2.867	2.9	20.6
11 17	3 4.03	+21 36.9	1.860	2.844	2.3	20.5
11 27	2 55.14	+20 37.4	1.866	2.821	6.2	20.7
12 7	2 47.70	+19 39.1	1.900	2.798	10.1	20.9
12 17	2 42.43	+18 47.8	1.959	2.775	13.5	21.1

224879 2007 BW_{67} 11 11.9 105°.46 7°.7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.58	− 5 39.7	2.283	3.107	12.2	20.1
10 18	3 27.40	− 6 41.0	2.233	3.116	10.0	20.0
10 28	3 20.58	− 7 32.2	2.208	3.125	8.3	19.9
11 7	3 12.77	− 8 7.9	2.209	3.134	7.7	19.9
11 17	3 4.75	− 8 24.2	2.236	3.143	8.5	19.9
11 27	2 57.31	− 8 19.1	2.290	3.152	10.3	20.0
12 7	2 51.16	− 7 53.3	2.368	3.161	12.3	20.2
12 17	2 46.77	− 7 9.0	2.467	3.170	14.2	20.4

292892 2006 VH_{35} 11 11.9 295°.33 0°.5/11.7 18

10 8	3 38.63	+16 31.7	1.426	2.274	16.9	21.4
10 18	3 33.31	+16 39.6	1.350	2.266	12.8	21.1
10 28	3 24.94	+16 41.4	1.295	2.259	8.0	20.8
11 7	3 14.39	+16 38.1	1.264	2.252	2.7	20.5
11 17	3 2.99	+16 32.0	1.261	2.245	3.0	20.5
11 27	2 52.36	+16 27.2	1.284	2.239	8.4	20.8
12 7	2 43.88	+16 28.1	1.332	2.232	13.3	21.0
12 17	2 38.47	+16 38.1	1.401	2.226	17.5	21.3

296167 2009 BO_{131} 11 11.9 163°.53 5°.2/14.9 18

10 8	3 39.47	+31 48.5	2.004	2.789	15.0	20.6
10 18	3 33.40	+32 27.8	1.924	2.791	12.2	20.4
10 28	3 24.74	+32 51.7	1.866	2.792	9.0	20.2
11 7	3 14.28	+32 57.4	1.833	2.794	6.2	20.0
11 17	3 3.15	+32 44.4	1.828	2.795	5.3	20.0
11 27	2 52.70	+32 15.5	1.852	2.796	7.2	20.1
12 7	2 44.08	+31 36.5	1.902	2.797	10.3	20.3
12 17	2 38.07	+30 54.4	1.977	2.797	13.3	20.5

360523 2003 QS_{79} 11 11.9 80°.18 4°.3/ 8.4 18

10 8	3 33.78	+ 6 15.0	2.365	3.200	11.5	21.4
10 18	3 28.05	+ 5 4.6	2.327	3.234	8.6	21.3
10 28	3 20.84	+ 3 56.3	2.316	3.268	5.9	21.2
11 7	3 12.83	+ 2 54.9	2.333	3.302	4.3	21.1
11 17	3 4.77	+ 2 4.6	2.380	3.335	5.2	21.2
11 27	2 57.40	+ 1 28.8	2.456	3.367	7.6	21.4
12 7	2 51.35	+ 1 8.7	2.559	3.399	10.0	21.6
12 17	2 47.01	+ 1 4.3	2.686	3.430	12.2	21.9

116064 2003 WA_{118} 11 11.9 4°.60 2°.5/12.9 18

10 8	3 32.87	+22 55.5	1.241	2.095	18.5	18.7
10 18	3 29.29	+23 15.0	1.177	2.094	14.3	18.5
10 28	3 22.54	+23 20.6	1.134	2.095	9.4	18.2
11 7	3 13.59	+23 12.0	1.112	2.097	4.2	17.9
11 17	3 3.90	+22 51.3	1.116	2.100	3.4	17.9
11 27	2 55.18	+22 23.9	1.144	2.105	8.3	18.2
12 7	2 48.81	+21 56.9	1.196	2.111	13.1	18.5
12 17	2 45.65	+21 36.6	1.268	2.119	17.4	18.8

194859 2002 AQ_{35} 11 11.9 317°.42 0°.4/12.1 18

10 8	3 34.10	+20 6.0	1.417	2.267	16.9	20.3
10 18	3 30.00	+19 54.1	1.335	2.252	12.9	20.0
10 28	3 22.94	+19 30.2	1.274	2.238	8.2	19.7
11 7	3 13.75	+18 55.8	1.238	2.225	2.9	19.4
11 17	3 3.70	+18 14.7	1.227	2.212	2.8	19.4
11 27	2 54.35	+17 33.0	1.242	2.200	8.2	19.7
12 7	2 47.06	+16 57.7	1.282	2.188	13.2	19.9
12 17	2 42.75	+16 34.1	1.342	2.177	17.6	20.1

314003 2004 TO_{359} 11 11.9 164°.90 3°.6/14.8 18

10 8	3 34.56	+30 42.3	2.373	3.160	12.9	20.3
10 18	3 29.22	+30 41.5	2.290	3.162	10.3	20.2
10 28	3 21.90	+30 26.1	2.230	3.163	7.3	20.0
11 7	3 13.28	+29 56.0	2.196	3.165	4.6	19.8
11 17	3 4.26	+29 12.3	2.192	3.166	3.7	19.8
11 27	2 55.83	+28 19.0	2.216	3.167	5.7	19.9
12 7	2 48.84	+27 21.5	2.270	3.168	8.6	20.1
12 17	2 43.91	+26 25.3	2.348	3.169	11.4	20.3

398384 2011 SX_{152} 11 11.9 308°.69 4°.0/ 9.1 18

10 8	3 32.03	+11 6.3	1.700	2.554	14.3	21.3
10 18	3 27.73	+ 9 54.8	1.626	2.546	10.8	21.1
10 28	3 21.16	+ 8 38.2	1.575	2.538	7.0	20.8
11 7	3 13.07	+ 7 22.7	1.550	2.531	4.1	20.6
11 17	3 4.49	+ 6 15.2	1.553	2.523	5.5	20.7
11 27	2 56.55	+ 5 22.3	1.583	2.516	9.2	20.9
12 7	2 50.25	+ 4 48.3	1.638	2.509	13.0	21.1
12 17	2 46.27	+ 4 34.8	1.714	2.503	16.3	21.3

107042 2000 YD_{129} 11 11.9 323°.01 9°.5/17.2 18

10 8	3 37.77	+39 37.4	1.566	2.339	19.0	19.7
10 18	3 33.28	+40 35.4	1.482	2.328	16.3	19.5
10 28	3 25.26	+41 9.6	1.416	2.317	13.3	19.3
11 7	3 14.61	+41 13.6	1.372	2.306	10.7	19.1
11 17	3 2.83	+40 44.2	1.351	2.295	9.5	19.0
11 27	2 51.85	+39 44.2	1.354	2.286	10.6	19.0
12 7	2 43.36	+38 23.0	1.382	2.277	13.3	19.2
12 17	2 38.43	+36 52.4	1.431	2.268	16.5	19.3

483665 2005 GL_8 11 11.9 217°.95 6°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.71	+ 2 2.4	2.134	2.972	12.4	21.6
10 18	3 28.51	+ 0 56.9	2.062	2.965	9.8	21.4
10 28	3 21.43	− 0 5.1	2.015	2.959	7.3	21.2
11 7	3 13.14	− 0 57.8	1.994	2.952	6.0	21.1
11 17	3 4.45	− 1 36.1	2.002	2.944	7.1	21.2
11 27	2 56.29	− 1 56.2	2.038	2.937	9.5	21.3
12 7	2 49.46	− 1 56.7	2.098	2.928	12.3	21.5
12 17	2 44.56	− 1 38.2	2.181	2.920	14.8	21.6

295065 2008 ET_{120} 11 11.9 306°.96 1°.6/12.8 17

10 8	3 34.98	+22 11.7	1.833	2.662	14.5	21.6
10 18	3 30.10	+22 21.2	1.746	2.650	11.2	21.3
10 28	3 22.75	+22 20.8	1.681	2.638	7.3	21.1
11 7	3 13.66	+22 10.4	1.642	2.627	3.1	20.8
11 17	3 3.87	+21 51.5	1.631	2.616	2.5	20.7
11 27	2 54.63	+21 27.7	1.648	2.605	6.7	21.0
12 7	2 47.05	+21 4.1	1.692	2.594	10.8	21.2
12 17	2 41.93	+20 45.3	1.759	2.583	14.5	21.4

259392 2003 OY_6 11 11.9 120°.97 2°.6/14.4 18

10 8	3 34.63	+29 19.5	2.656	3.442	11.7	20.6
10 18	3 28.91	+29 2.6	2.584	3.458	9.2	20.5
10 28	3 21.53	+28 32.9	2.536	3.474	6.3	20.3
11 7	3 13.13	+27 51.1	2.515	3.489	3.6	20.2
11 17	3 4.51	+26 59.1	2.525	3.503	2.8	20.1
11 27	2 56.51	+26 0.9	2.565	3.517	5.0	20.3
12 7	2 49.83	+25 1.4	2.635	3.531	7.7	20.5
12 17	2 44.95	+24 5.1	2.731	3.544	10.2	20.7

253309 2003 CM_{19} 11 11.9 279°.25 3°.3/13.8 17

10 8	3 36.46	+27 6.4	2.083	2.888	13.9	20.9
10 18	3 31.14	+27 26.5	1.982	2.868	11.0	20.7
10 28	3 23.40	+27 34.6	1.904	2.848	7.7	20.4
11 7	3 13.90	+27 29.2	1.852	2.828	4.4	20.2
11 17	3 3.61	+27 10.5	1.829	2.808	3.6	20.1
11 27	2 53.73	+26 41.3	1.834	2.787	6.5	20.2
12 7	2 45.39	+26 6.7	1.867	2.766	10.2	20.4
12 17	2 39.41	+25 32.4	1.924	2.746	13.5	20.6

132477 2002 JC_{16} 11 11.9 93°.34 3°.3/13.6 18

10 8	3 42.20	+25 41.0	1.854	2.660	15.3	19.7
10 18	3 35.26	+26 19.5	1.792	2.679	11.9	19.5
10 28	3 25.76	+26 45.8	1.753	2.698	8.1	19.3
11 7	3 14.61	+26 58.2	1.740	2.717	4.4	19.2
11 17	3 2.99	+26 56.9	1.756	2.735	3.6	19.2
11 27	2 52.26	+26 44.9	1.802	2.753	6.7	19.4
12 7	2 43.50	+26 27.4	1.874	2.771	10.3	19.6
12 17	2 37.41	+26 9.8	1.971	2.788	13.4	19.9

422592 2014 TH_{67} 11 11.9 22°.65 1°.8/13.2 17

10 8	3 31.85	+24 49.1	1.976	2.799	13.8	20.6
10 18	3 27.40	+24 31.9	1.905	2.804	10.6	20.4
10 28	3 20.85	+24 1.8	1.856	2.810	7.0	20.2
11 7	3 12.96	+23 20.2	1.833	2.816	3.2	20.0
11 17	3 4.69	+22 30.1	1.838	2.822	2.4	19.9
11 27	2 57.10	+21 36.4	1.872	2.829	6.0	20.2
12 7	2 51.07	+20 44.9	1.933	2.837	9.6	20.4
12 17	2 47.21	+20 0.5	2.019	2.844	12.8	20.7

202475 2006 AZ_{70} 11 11.9 102°.68 2°.3/13.4 18

10 8	3 38.76	+25 36.5	1.832	2.645	15.2	20.6
10 18	3 32.58	+25 27.8	1.770	2.663	11.7	20.4
10 28	3 24.02	+25 5.0	1.730	2.681	7.7	20.2
11 7	3 14.00	+24 28.8	1.717	2.699	3.7	20.0
11 17	3 3.66	+23 42.1	1.733	2.716	2.8	20.0
11 27	2 54.23	+22 50.2	1.778	2.733	6.4	20.2
12 7	2 46.71	+21 59.4	1.849	2.749	10.2	20.5
12 17	2 41.70	+21 15.4	1.945	2.765	13.5	20.7

339260 2004 VC_{70} 11 11.9 74°.53 1°.1/12.4 18

10 8	3 41.08	+20 36.0	1.610	2.438	16.2	20.2
10 18	3 34.43	+20 46.8	1.560	2.464	12.2	20.1
10 28	3 25.19	+20 47.8	1.532	2.490	7.7	19.9
11 7	3 14.38	+20 39.3	1.530	2.516	2.9	19.6
11 17	3 3.30	+20 23.7	1.557	2.542	2.5	19.7
11 27	2 53.29	+20 5.2	1.612	2.567	7.0	20.0
12 7	2 45.42	+19 48.7	1.693	2.592	11.1	20.3
12 17	2 40.29	+19 38.4	1.798	2.616	14.5	20.6

445745 2011 WS_{24} 11 11.9 347°.18 0°.9/12.5 18

10 8	3 33.78	+21 50.8	1.803	2.635	14.6	21.2
10 18	3 29.05	+21 33.2	1.726	2.633	11.1	21.0
10 28	3 21.99	+21 4.1	1.672	2.632	7.0	20.7
11 7	3 13.38	+20 25.1	1.644	2.630	2.7	20.5
11 17	3 4.26	+19 39.4	1.644	2.629	2.3	20.4
11 27	2 55.82	+18 52.4	1.672	2.628	6.7	20.7
12 7	2 49.08	+18 9.7	1.726	2.627	10.7	21.0
12 17	2 44.72	+17 36.0	1.804	2.627	14.3	21.2

398029 2009 DK_{99} 11 11.9 34°.61 3°.9/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.72	+ 9 42.3	1.656	2.508	14.7	20.6
10 18	3 28.93	+ 8 58.2	1.594	2.513	11.0	20.4
10 28	3 21.85	+ 8 12.7	1.555	2.518	7.1	20.2
11 7	3 13.31	+ 7 30.9	1.542	2.523	4.1	20.0
11 17	3 4.36	+ 6 58.0	1.557	2.529	5.2	20.1
11 27	2 56.18	+ 6 38.5	1.598	2.534	8.9	20.3
12 7	2 49.74	+ 6 34.8	1.664	2.540	12.6	20.6
12 17	2 45.66	+ 6 47.7	1.752	2.547	15.8	20.8

220177 2002 UT_{5} 11 11.9 350°.84 7°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.21	+ 1 49.2	1.619	2.475	14.8	19.7
10 18	3 27.11	+ 0 16.3	1.560	2.472	11.7	19.5
10 28	3 20.76	− 1 12.1	1.523	2.470	8.9	19.4
11 7	3 12.96	− 2 27.6	1.512	2.468	7.8	19.3
11 17	3 4.73	− 3 22.6	1.526	2.466	9.1	19.4
11 27	2 57.21	− 3 51.8	1.566	2.465	11.9	19.6
12 7	2 51.36	− 3 53.9	1.628	2.464	14.9	19.7
12 17	2 47.80	− 3 30.7	1.710	2.464	17.7	19.9

79396 1997 GE_{23} 11 11.9 212°.63 0°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.43	+16 39.1	1.904	2.734	14.0	20.7
10 18	3 32.44	+16 21.1	1.820	2.728	10.6	20.4
10 28	3 24.08	+15 56.2	1.759	2.721	6.5	20.2
11 7	3 14.09	+15 26.5	1.725	2.713	2.2	19.9
11 17	3 3.52	+14 55.2	1.721	2.704	2.7	19.9
11 27	2 53.54	+14 26.7	1.746	2.695	7.1	20.2
12 7	2 45.22	+14 5.3	1.798	2.686	11.2	20.4
12 17	2 39.28	+13 54.2	1.874	2.675	14.7	20.6

394998 2009 BQ_{77} 11 11.9 257°.42 3°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.07	+ 8 15.3	1.911	2.752	13.5	21.1
10 18	3 30.62	+ 7 50.0	1.828	2.740	10.3	20.9
10 28	3 22.93	+ 7 25.1	1.769	2.729	6.8	20.6
11 7	3 13.71	+ 7 4.2	1.737	2.717	4.0	20.4
11 17	3 3.91	+ 6 51.1	1.733	2.704	5.0	20.5
11 27	2 54.64	+ 6 49.4	1.758	2.692	8.4	20.7
12 7	2 46.89	+ 7 1.1	1.809	2.679	12.0	20.9
12 17	2 41.38	+ 7 26.7	1.882	2.666	15.3	21.0

399302 2014 HZ_{185} 11 11.9 282°.57 2°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.73	+13 0.7	1.801	2.645	14.1	20.9
10 18	3 29.67	+12 33.4	1.726	2.642	10.5	20.7
10 28	3 22.34	+12 2.1	1.675	2.639	6.6	20.4
11 7	3 13.50	+11 30.2	1.650	2.635	2.8	20.2
11 17	3 4.16	+11 1.8	1.653	2.632	3.8	20.2
11 27	2 55.45	+10 41.1	1.684	2.629	7.8	20.5
12 7	2 48.39	+10 31.5	1.742	2.626	11.7	20.7
12 17	2 43.63	+10 34.9	1.821	2.623	15.0	20.9

242566 2005 ES_{210} 11 11.9 65°.41 0°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.28	+17 50.2	1.743	2.584	14.6	20.6
10 18	3 29.34	+17 14.1	1.675	2.589	10.9	20.4
10 28	3 22.11	+16 29.1	1.631	2.595	6.7	20.1
11 7	3 13.41	+15 38.6	1.612	2.600	2.2	19.9
11 17	3 4.31	+14 47.1	1.622	2.606	2.8	19.9
11 27	2 55.97	+14 0.3	1.660	2.611	7.2	20.2
12 7	2 49.36	+13 23.3	1.724	2.617	11.2	20.5
12 17	2 45.12	+12 59.3	1.811	2.623	14.7	20.7

351866 2006 SA_{26} 11 11.9 87°.12 6°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.97	+36 20.8	1.975	2.741	15.8	20.8
10 18	3 33.69	+36 47.5	1.910	2.759	13.0	20.7
10 28	3 24.83	+36 54.1	1.867	2.778	10.0	20.5
11 7	3 14.32	+36 38.3	1.849	2.796	7.3	20.4
11 17	3 3.40	+36 0.5	1.857	2.814	6.2	20.4
11 27	2 53.42	+35 5.0	1.893	2.832	7.6	20.5
12 7	2 45.47	+33 59.2	1.956	2.849	10.1	20.7
12 17	2 40.21	+32 51.2	2.044	2.866	12.8	20.9

421693 2014 PM_{3} 11 11.9 158°.33 1°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.26	+14 35.2	2.108	2.946	12.6	21.7
10 18	3 28.25	+14 5.7	2.034	2.947	9.4	21.5
10 28	3 21.32	+13 31.3	1.984	2.947	5.8	21.3
11 7	3 13.15	+12 55.1	1.962	2.948	2.2	21.1
11 17	3 4.59	+12 20.5	1.968	2.949	3.0	21.1
11 27	2 56.61	+11 51.5	2.004	2.950	6.6	21.4
12 7	2 50.03	+11 31.6	2.067	2.950	10.1	21.6
12 17	2 45.43	+11 22.8	2.153	2.951	13.1	21.8

26336 Mikemcdowell 11 11.9 77°.85 1°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.38	+16 3.6	1.806	2.646	14.2	18.4
10 18	3 30.09	+15 44.5	1.740	2.653	10.6	18.2
10 28	3 22.55	+15 19.3	1.697	2.660	6.5	18.0
11 7	3 13.57	+14 50.6	1.680	2.667	2.2	17.7
11 17	3 4.18	+14 21.9	1.691	2.675	2.8	17.8
11 27	2 55.53	+13 57.5	1.731	2.682	7.1	18.1
12 7	2 48.57	+13 41.1	1.798	2.689	11.0	18.3
12 17	2 43.94	+13 35.5	1.887	2.696	14.3	18.5

78862 2003 QS_{77} 11 11.9 338°.23 13°.7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.37	+49 11.0	1.845	2.541	19.0	18.5
10 18	3 39.10	+51 23.9	1.760	2.526	17.4	18.4
10 28	3 29.54	+53 15.5	1.694	2.512	15.7	18.2
11 7	3 16.32	+54 35.6	1.647	2.499	14.4	18.1
11 17	3 1.01	+55 15.9	1.622	2.486	13.8	18.0
11 27	2 46.03	+55 14.6	1.619	2.475	14.1	18.0
12 7	2 33.78	+54 37.4	1.638	2.464	15.4	18.1
12 17	2 25.89	+53 35.3	1.676	2.454	17.1	18.2

71906 2000 WP_{30} 11 11.9 338°.10 4°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.53	+ 9 27.3	1.197	2.066	18.1	19.1
10 18	3 31.22	+ 8 48.9	1.133	2.060	13.8	18.8
10 28	3 23.74	+ 8 9.1	1.088	2.054	9.0	18.6
11 7	3 14.07	+ 7 34.2	1.067	2.049	5.1	18.3
11 17	3 3.64	+ 7 10.8	1.070	2.045	6.4	18.4
11 27	2 54.13	+ 7 4.5	1.098	2.041	11.1	18.6
12 7	2 46.95	+ 7 18.1	1.147	2.038	15.8	18.9
12 17	2 42.95	+ 7 51.5	1.216	2.035	20.0	19.2

56351 2000 AN_{93} 11 11.9 178°.71 19°.4/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.06	−22 56.4	1.251	2.040	22.1	18.4
10 18	3 36.58	−24 51.6	1.219	2.042	20.5	18.3
10 28	3 26.82	−26 11.3	1.204	2.042	19.6	18.2
11 7	3 15.01	−26 42.9	1.206	2.043	19.5	18.2
11 17	3 2.78	−26 19.6	1.226	2.042	20.3	18.3
11 27	2 51.88	−25 2.3	1.263	2.042	21.7	18.4
12 7	2 43.63	−22 59.2	1.317	2.041	23.5	18.6
12 17	2 38.72	−20 21.7	1.384	2.040	25.2	18.7

440079 2002 TK_{22} 11 11.9 355°.06 4°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.81	+25 2.9	1.155	2.012	19.4	20.2
10 18	3 28.18	+25 47.4	1.087	2.003	15.3	19.9
10 28	3 22.14	+26 16.8	1.037	1.995	10.5	19.6
11 7	3 13.61	+26 28.8	1.009	1.990	5.8	19.4
11 17	3 4.08	+26 23.0	1.004	1.986	4.7	19.3
11 27	2 55.43	+26 4.0	1.023	1.985	8.9	19.5
12 7	2 49.27	+25 39.3	1.065	1.985	13.8	19.8
12 17	2 46.58	+25 16.6	1.125	1.988	18.2	20.1

127658 2003 DV_{10} 11 11.9 171°.40 0°.4/12.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.14	+20 7.0	2.013	2.834	13.7	21.3
10 18	3 32.05	+19 55.5	1.936	2.838	10.3	21.1
10 28	3 23.75	+19 35.0	1.882	2.841	6.5	20.8
11 7	3 13.99	+19 7.0	1.856	2.843	2.3	20.6
11 17	3 3.77	+18 33.9	1.860	2.845	2.1	20.6
11 27	2 54.22	+18 0.1	1.893	2.846	6.3	20.8
12 7	2 46.29	+17 30.1	1.954	2.846	10.2	21.1
12 17	2 40.65	+17 7.8	2.039	2.846	13.4	21.3

447634 2006 UJ_{359} 11 11.9 303°.96 1°.5/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.55	+22 58.5	1.899	2.724	14.2	21.9
10 18	3 29.62	+22 52.8	1.818	2.720	10.9	21.7
10 28	3 22.37	+22 35.8	1.759	2.715	7.1	21.4
11 7	3 13.56	+22 8.1	1.727	2.711	3.0	21.2
11 17	3 4.20	+21 32.1	1.722	2.707	2.4	21.1
11 27	2 55.46	+20 52.4	1.747	2.703	6.4	21.4
12 7	2 48.36	+20 14.2	1.798	2.699	10.4	21.6
12 17	2 43.59	+19 42.5	1.872	2.695	13.8	21.8

485821 2012 DQ_{57} 11 11.9 160°.54 4°.2/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.82	+32 16.9	2.428	3.205	12.9	21.5
10 18	3 30.23	+32 32.3	2.345	3.208	10.4	21.3
10 28	3 22.59	+32 33.3	2.285	3.210	7.7	21.2
11 7	3 13.60	+32 18.8	2.252	3.212	5.2	21.0
11 17	3 4.17	+31 49.1	2.246	3.214	4.3	21.0
11 27	2 55.30	+31 7.6	2.271	3.216	6.0	21.1
12 7	2 47.89	+30 19.1	2.323	3.218	8.6	21.3
12 17	2 42.56	+29 29.4	2.401	3.219	11.3	21.4

113702 2002 TJ_{126} 11 11.9 334°.25 5°.0/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.64	+28 45.0	1.942	2.744	14.9	18.9
10 18	3 32.31	+29 50.0	1.852	2.731	12.0	18.6
10 28	3 24.30	+30 44.0	1.784	2.719	8.7	18.4
11 7	3 14.30	+31 23.6	1.742	2.708	5.9	18.2
11 17	3 3.37	+31 46.5	1.728	2.697	5.1	18.2
11 27	2 52.87	+31 53.7	1.741	2.687	7.4	18.3
12 7	2 44.06	+31 49.2	1.781	2.678	10.7	18.5
12 17	2 37.86	+31 38.8	1.845	2.669	13.9	18.7

96775 1999 RL_{73} 11 11.9 13°.91 11°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.13	+38 33.4	1.011	1.833	24.1	17.6
10 18	3 30.68	+40 5.6	0.966	1.842	20.5	17.4
10 28	3 23.96	+41 5.2	0.936	1.853	16.7	17.2
11 7	3 14.23	+41 24.3	0.924	1.867	13.3	17.1
11 17	3 3.57	+41 0.4	0.932	1.883	11.7	17.0
11 27	2 54.41	+39 59.8	0.960	1.900	12.7	17.2
12 7	2 48.60	+38 36.6	1.009	1.920	15.5	17.4
12 17	2 47.00	+37 5.9	1.078	1.942	18.7	17.7

324855 2007 LH_{28} 11 11.9 181°.22 3°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.77	+ 9 41.9	2.340	3.181	11.3	21.0
10 18	3 26.18	+ 8 43.1	2.268	3.181	8.5	20.8
10 28	3 19.95	+ 7 42.3	2.222	3.181	5.6	20.6
11 7	3 12.69	+ 6 43.8	2.203	3.181	3.4	20.5
11 17	3 5.13	+ 5 52.2	2.214	3.181	4.4	20.5
11 27	2 58.06	+ 5 11.7	2.254	3.181	7.2	20.7
12 7	2 52.20	+ 4 44.8	2.321	3.181	10.1	20.9
12 17	2 48.04	+ 4 32.9	2.411	3.181	12.7	21.1

454591 2014 PW_{41} 11 11.9 2°.78 6°.0/15.4 17

10 8	3 35.79	+32 55.0	1.838	2.631	15.9	20.5
10 18	3 30.92	+33 39.6	1.761	2.630	13.0	20.3
10 28	3 23.37	+34 7.3	1.705	2.630	9.8	20.1
11 7	3 13.94	+34 15.0	1.673	2.631	7.0	19.9
11 17	3 3.81	+34 2.0	1.668	2.632	6.0	19.9
11 27	2 54.36	+33 31.3	1.689	2.634	7.8	20.0
12 7	2 46.82	+32 49.1	1.737	2.636	10.8	20.2
12 17	2 41.98	+32 3.0	1.807	2.639	13.8	20.4

99407 2002 AY_{64} 11 11.9 160°.25 1°.1/11.2 18

10 8	3 36.12	+16 40.8	1.902	2.736	13.8	19.8
10 18	3 30.57	+16 8.5	1.829	2.740	10.4	19.6
10 28	3 22.84	+15 29.0	1.781	2.744	6.4	19.3
11 7	3 13.69	+14 45.1	1.759	2.747	2.2	19.1
11 17	3 4.12	+14 0.9	1.767	2.749	2.8	19.1
11 27	2 55.25	+13 21.4	1.803	2.752	7.0	19.4
12 7	2 48.02	+12 50.9	1.867	2.754	10.8	19.6
12 17	2 43.04	+12 32.3	1.954	2.756	14.1	19.9

393031 2013 AJ_{6} 11 11.9 36°.67 5°.4/ 9.5 16

10 8	3 37.32	+ 4 13.9	1.664	2.509	15.0	20.8
10 18	3 31.66	+ 3 51.2	1.599	2.510	11.5	20.6
10 28	3 23.59	+ 3 33.6	1.558	2.512	8.0	20.4
11 7	3 13.96	+ 3 25.5	1.542	2.514	5.6	20.3
11 17	3 3.84	+ 3 30.8	1.553	2.516	6.5	20.4
11 27	2 54.49	+ 3 52.0	1.592	2.518	9.7	20.6
12 7	2 46.93	+ 4 29.4	1.655	2.521	13.2	20.8
12 17	2 41.85	+ 5 21.4	1.741	2.523	16.4	21.0

249143 2008 AY_{39} 11 11.9 41°.59 3°.0/10.2 18

10 8	3 34.18	+11 16.9	1.752	2.600	14.2	20.6
10 18	3 29.20	+10 47.2	1.689	2.606	10.6	20.4
10 28	3 22.02	+10 15.3	1.649	2.612	6.7	20.2
11 7	3 13.41	+ 9 45.1	1.635	2.618	3.3	20.0
11 17	3 4.42	+ 9 20.8	1.649	2.625	4.3	20.1
11 27	2 56.15	+ 9 6.3	1.690	2.632	8.0	20.3
12 7	2 49.55	+ 9 4.3	1.757	2.639	11.7	20.5
12 17	2 45.24	+ 9 15.8	1.847	2.646	14.9	20.8

36762 2000 RU_{78} 11 11.9 37°.98 4°.0/ 9.2 18

10 8	3 31.58	+10 35.6	1.679	2.535	14.4	18.2
10 18	3 27.22	+ 9 25.3	1.627	2.547	10.7	18.0
10 28	3 20.74	+ 8 12.5	1.597	2.560	6.9	17.8
11 7	3 12.96	+ 7 3.3	1.594	2.573	4.2	17.6
11 17	3 4.91	+ 6 4.1	1.618	2.587	5.4	17.7
11 27	2 57.65	+ 5 20.4	1.669	2.602	8.8	18.0
12 7	2 52.06	+ 4 55.3	1.745	2.616	12.3	18.2
12 17	2 48.69	+ 4 49.2	1.842	2.631	15.3	18.5

183346 2002 VH_{104} 11 11.9 53°.64 1°.3/12.5 18

10 8	3 40.01	+21 16.4	1.218	2.065	19.2	20.0
10 18	3 34.28	+21 18.7	1.174	2.088	14.5	19.8
10 28	3 25.37	+21 7.6	1.150	2.112	9.1	19.5
11 7	3 14.53	+20 44.6	1.149	2.136	3.5	19.3
11 17	3 3.36	+20 13.3	1.174	2.160	2.9	19.3
11 27	2 53.56	+19 40.3	1.226	2.184	8.2	19.7
12 7	2 46.39	+19 12.3	1.301	2.209	13.0	20.1
12 17	2 42.47	+18 54.2	1.398	2.234	16.9	20.4

139954 2001 RW_{145} 11 11.9 282°.59 6°.6/16.4 18

10 8	3 37.38	+36 36.3	1.978	2.747	15.7	20.2
10 18	3 32.08	+37 5.4	1.891	2.741	13.1	20.0
10 28	3 24.07	+37 15.0	1.825	2.735	10.2	19.8
11 7	3 14.18	+37 1.9	1.783	2.729	7.6	19.7
11 17	3 3.57	+36 25.4	1.767	2.723	6.6	19.6
11 27	2 53.65	+35 29.1	1.779	2.718	7.9	19.7
12 7	2 45.63	+34 20.0	1.817	2.712	10.7	19.8
12 17	2 40.33	+33 6.7	1.879	2.706	13.6	20.0

352258 2007 TF_{195} 11 11.9 101°.01 1°.1/12.5 18

10 8	3 37.40	+20 58.3	1.829	2.656	14.6	21.1
10 18	3 31.73	+21 5.0	1.758	2.662	11.1	20.8
10 28	3 23.65	+21 2.4	1.709	2.667	7.1	20.6
11 7	3 13.99	+20 51.1	1.687	2.673	2.8	20.4
11 17	3 3.83	+20 33.0	1.693	2.678	2.3	20.3
11 27	2 54.39	+20 11.8	1.728	2.684	6.6	20.6
12 7	2 46.73	+19 52.2	1.790	2.689	10.5	20.9
12 17	2 41.52	+19 38.2	1.876	2.694	14.0	21.1

482488 2012 SW_{20} 11 11.9 56°.09 2°.0/10.7 16 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.47	+16 42.0	1.566	2.380	17.3	23.5
10 18	3 42.46	+15 26.1	1.555	2.456	12.5	23.4
10 28	3 29.39	+14 4.2	1.570	2.529	7.5	23.2
11 7	3 15.61	+12 42.5	1.614	2.600	2.8	23.1
11 17	3 2.49	+11 27.7	1.690	2.670	3.7	23.3
11 27	2 51.23	+10 26.1	1.797	2.737	7.8	23.7
12 7	2 42.56	+ 9 41.1	1.932	2.802	11.4	24.1
12 17	2 36.75	+ 9 13.8	2.090	2.865	14.2	24.4

229277 2005 BD_{9} 11 11.9 350°.30 1°.9/10.9 18

10 8	3 32.46	+13 3.2	1.834	2.681	13.7	19.5
10 18	3 27.99	+12 52.2	1.759	2.676	10.3	19.3
10 28	3 21.34	+12 38.2	1.707	2.672	6.4	19.1
11 7	3 13.23	+12 24.0	1.682	2.668	2.6	18.8
11 17	3 4.61	+12 12.5	1.684	2.665	3.4	18.9
11 27	2 56.58	+12 7.1	1.714	2.662	7.3	19.1
12 7	2 50.08	+12 10.7	1.770	2.660	11.2	19.4
12 17	2 45.80	+12 24.8	1.849	2.659	14.5	19.6

154599 2003 OY_{29} 11 11.9 93°.36 0°.6/11.5 18

10 8	3 33.88	+17 0.2	2.321	3.149	11.9	20.6
10 18	3 28.47	+16 41.3	2.258	3.165	8.8	20.5
10 28	3 21.35	+16 16.9	2.219	3.181	5.4	20.3
11 7	3 13.17	+15 49.1	2.209	3.196	1.8	20.1
11 17	3 4.74	+15 20.5	2.228	3.212	2.2	20.1
11 27	2 56.92	+14 54.6	2.277	3.227	5.7	20.4
12 7	2 50.44	+14 34.5	2.354	3.242	8.9	20.6
12 17	2 45.80	+14 22.5	2.456	3.256	11.6	20.8

36179 1999 SP_{19} 11 11.9 82°.69 2°.3/13.3 18

10 8	3 37.67	+24 14.6	2.124	2.933	13.5	19.0
10 18	3 31.63	+24 37.4	2.057	2.948	10.4	18.8
10 28	3 23.45	+24 50.1	2.014	2.963	6.9	18.6
11 7	3 13.91	+24 52.2	1.998	2.978	3.4	18.4
11 17	3 3.97	+24 44.7	2.011	2.992	2.7	18.4
11 27	2 54.72	+24 30.3	2.053	3.007	5.8	18.6
12 7	2 47.07	+24 13.2	2.124	3.021	9.2	18.9
12 17	2 41.64	+23 57.6	2.219	3.036	12.1	19.1

265954 2006 BL_{254} 11 11.9 104°.99 1°.7/13.3 18

10 8	3 33.86	+24 44.3	2.408	3.216	12.1	21.1
10 18	3 28.55	+24 37.1	2.335	3.227	9.3	20.9
10 28	3 21.45	+24 19.6	2.286	3.237	6.1	20.7
11 7	3 13.23	+23 52.4	2.265	3.247	2.9	20.5
11 17	3 4.68	+23 17.5	2.273	3.257	2.2	20.5
11 27	2 56.72	+22 38.5	2.312	3.266	5.2	20.7
12 7	2 50.11	+21 59.8	2.378	3.276	8.3	20.9
12 17	2 45.38	+21 25.3	2.470	3.285	11.1	21.1

451300 2010 TG_{117} 11 11.9 49°.52 0°.3/11.8 18

10 8	3 34.52	+17 55.1	1.893	2.729	13.8	21.7
10 18	3 29.42	+17 44.4	1.824	2.735	10.4	21.5
10 28	3 22.16	+17 26.6	1.778	2.741	6.4	21.2
11 7	3 13.50	+17 3.6	1.760	2.747	2.1	21.0
11 17	3 4.42	+16 38.3	1.769	2.754	2.3	21.0
11 27	2 56.03	+16 14.6	1.807	2.761	6.5	21.3
12 7	2 49.24	+15 56.6	1.872	2.767	10.4	21.5
12 17	2 44.70	+15 47.1	1.961	2.774	13.6	21.8

459566 2013 GO_{99} 11 11.9 81°.74 4°.3/ 9.4 18

10 8	3 35.28	+ 4 48.6	2.169	3.005	12.3	20.6
10 18	3 29.52	+ 4 27.6	2.113	3.020	9.4	20.4
10 28	3 22.00	+ 4 10.3	2.082	3.035	6.4	20.3
11 7	3 13.40	+ 3 59.9	2.078	3.050	4.4	20.2
11 17	3 4.56	+ 3 59.4	2.103	3.065	5.2	20.3
11 27	2 56.37	+ 4 10.6	2.157	3.080	7.8	20.5
12 7	2 49.58	+ 4 34.2	2.238	3.095	10.6	20.7
12 17	2 44.70	+ 5 9.5	2.342	3.110	13.1	20.9

491440 2012 FC_{44} 11 11.9 339°.19 2°.6/13.6 17

10 8	3 35.48	+25 31.6	2.274	3.080	12.8	21.7
10 18	3 30.04	+25 52.1	2.191	3.080	10.0	21.5
10 28	3 22.53	+26 2.4	2.133	3.079	6.8	21.3
11 7	3 13.64	+26 1.8	2.101	3.079	3.6	21.1
11 17	3 4.25	+25 51.0	2.098	3.079	2.9	21.1
11 27	2 55.37	+25 32.8	2.125	3.079	5.7	21.2
12 7	2 47.92	+25 11.0	2.180	3.078	9.0	21.4
12 17	2 42.54	+24 50.0	2.260	3.078	11.9	21.6

327611 2006 EY_{71} 11 11.9 198°.21 1°.4/12.9 17

10 8	3 34.16	+22 46.8	2.528	3.338	11.5	21.0
10 18	3 28.80	+22 52.2	2.443	3.337	8.8	20.9
10 28	3 21.65	+22 49.4	2.383	3.336	5.7	20.7
11 7	3 13.32	+22 38.7	2.351	3.334	2.5	20.4
11 17	3 4.58	+22 21.4	2.348	3.332	2.0	20.4
11 27	2 56.29	+22 0.2	2.376	3.330	5.1	20.6
12 7	2 49.24	+21 38.6	2.433	3.328	8.3	20.8
12 17	2 43.99	+21 20.0	2.515	3.326	11.1	21.0

487462 2014 SJ_{117} 11 11.9 83°.45 3°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.89	+27 36.5	2.296	3.094	13.0	20.6
10 18	3 30.27	+27 57.2	2.222	3.103	10.2	20.4
10 28	3 22.62	+28 6.1	2.172	3.112	7.1	20.3
11 7	3 13.65	+28 2.6	2.148	3.122	4.1	20.1
11 17	3 4.26	+27 47.4	2.154	3.131	3.3	20.1
11 27	2 55.47	+27 23.3	2.188	3.140	5.7	20.2
12 7	2 48.16	+26 54.8	2.251	3.149	8.7	20.4
12 17	2 42.93	+26 26.4	2.339	3.158	11.5	20.6

230855 2004 RQ_{102} 11 11.9 189°.25 3°.6/14.1 18

10 8	3 38.66	+28 1.2	1.827	2.633	15.5	20.5
10 18	3 32.91	+28 12.4	1.747	2.632	12.2	20.2
10 28	3 24.53	+28 8.4	1.688	2.632	8.5	20.0
11 7	3 14.35	+27 48.0	1.656	2.631	4.8	19.8
11 17	3 3.55	+27 12.4	1.651	2.630	3.8	19.7
11 27	2 53.48	+26 26.0	1.674	2.628	6.9	19.9
12 7	2 45.30	+25 35.7	1.725	2.626	10.7	20.2
12 17	2 39.79	+24 48.1	1.799	2.624	14.2	20.4

509518 2007 VT_{328} 11 11.9 358°.50 4°.5/14.2 18

10 8	3 33.60	+28 20.2	1.054	1.905	21.3	21.0
10 18	3 30.52	+28 24.3	0.990	1.902	16.9	20.7
10 28	3 23.67	+28 3.8	0.944	1.900	11.7	20.4
11 7	3 14.16	+27 17.5	0.919	1.899	6.5	20.1
11 17	3 3.76	+26 8.7	0.916	1.899	4.9	20.0
11 27	2 54.54	+24 47.1	0.937	1.900	9.3	20.3
12 7	2 48.16	+23 25.7	0.980	1.902	14.6	20.6
12 17	2 45.54	+22 15.3	1.043	1.905	19.3	20.9

7298 Matudaira–gou 11 11.9 312°.27 4°.0/10.1 18

10 8	3 35.65	+ 8 56.3	1.518	2.372	15.7	17.0
10 18	3 30.88	+ 8 35.2	1.440	2.359	12.0	16.8
10 28	3 23.40	+ 8 14.2	1.383	2.346	7.8	16.5
11 7	3 14.01	+ 7 57.6	1.352	2.334	4.3	16.3
11 17	3 3.87	+ 7 49.9	1.347	2.321	5.4	16.3
11 27	2 54.36	+ 7 55.2	1.368	2.310	9.6	16.5
12 7	2 46.72	+ 8 15.5	1.414	2.298	13.9	16.8
12 17	2 41.78	+ 8 51.2	1.481	2.287	17.6	17.0

48877 1998 HZ_{109} 11 11.9 213°.54 4°.0/ 9.8 18

10 8	3 37.99	+ 9 31.9	1.648	2.493	15.1	19.7
10 18	3 32.32	+ 8 51.0	1.574	2.489	11.5	19.5
10 28	3 24.12	+ 8 8.3	1.523	2.484	7.4	19.2
11 7	3 14.21	+ 7 28.8	1.498	2.479	4.3	19.0
11 17	3 3.71	+ 6 57.6	1.501	2.473	5.4	19.1
11 27	2 53.92	+ 6 39.6	1.532	2.467	9.3	19.3
12 7	2 45.96	+ 6 37.7	1.587	2.460	13.3	19.5
12 17	2 40.57	+ 6 52.7	1.664	2.453	16.7	19.7

43661 2002 FY_{2} 11 11.9 132°.27 3°.7/14.1 18

10 8	3 39.87	+27 59.3	1.918	2.719	15.0	19.9
10 18	3 33.65	+28 24.1	1.845	2.727	11.9	19.7
10 28	3 24.90	+28 35.1	1.793	2.734	8.3	19.5
11 7	3 14.46	+28 30.6	1.768	2.741	4.9	19.3
11 17	3 3.47	+28 11.1	1.771	2.748	3.9	19.3
11 27	2 53.23	+27 40.4	1.803	2.755	6.7	19.5
12 7	2 44.86	+27 4.2	1.863	2.761	10.2	19.7
12 17	2 39.06	+26 28.7	1.946	2.767	13.4	19.9

331234 2011 BO_{85} 11 11.9 312°.11 4°.7/ 8.9 18

10 8	3 32.45	+ 5 7.1	2.076	2.920	12.5	20.4
10 18	3 27.72	+ 4 32.4	2.000	2.911	9.6	20.2
10 28	3 21.07	+ 4 0.2	1.947	2.902	6.7	20.0
11 7	3 13.16	+ 3 34.7	1.922	2.893	4.7	19.8
11 17	3 4.79	+ 3 20.0	1.924	2.885	5.7	19.9
11 27	2 56.93	+ 3 19.0	1.954	2.876	8.5	20.0
12 7	2 50.40	+ 3 33.2	2.010	2.868	11.6	20.2
12 17	2 45.81	+ 4 2.4	2.088	2.860	14.3	20.4

398524 2011 UF_{292} 11 11.9 279°.77 3°.0/10.2 18

10 8	3 34.52	+11 12.5	1.843	2.688	13.8	21.1
10 18	3 29.50	+10 41.8	1.768	2.684	10.4	20.8
10 28	3 22.28	+10 8.5	1.716	2.679	6.6	20.6
11 7	3 13.58	+ 9 36.5	1.691	2.674	3.3	20.4
11 17	3 4.37	+ 9 9.9	1.693	2.669	4.3	20.5
11 27	2 55.78	+ 8 52.8	1.724	2.665	8.0	20.7
12 7	2 48.76	+ 8 48.2	1.781	2.660	11.7	20.9
12 17	2 43.98	+ 8 57.4	1.860	2.655	15.0	21.1

254793 2005 QZ_{82} 11 11.9 40°.09 3°.9/ 9.5 18

10 8	3 32.44	+11 4.6	1.572	2.429	15.1	20.3
10 18	3 27.95	+ 9 58.7	1.525	2.447	11.2	20.2
10 28	3 21.23	+ 8 50.2	1.500	2.465	7.2	20.0
11 7	3 13.17	+ 7 45.4	1.502	2.483	4.1	19.8
11 17	3 4.87	+ 6 50.6	1.530	2.502	5.3	20.0
11 27	2 57.46	+ 6 11.2	1.585	2.522	8.9	20.2
12 7	2 51.85	+ 5 50.2	1.665	2.541	12.6	20.5
12 17	2 48.57	+ 5 47.9	1.766	2.562	15.7	20.7

417612 2006 WQ_{29} 11 11.9 134°.16 6°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.42	+ 6 56.4	1.216	2.050	20.1	21.3
10 18	3 45.50	+ 5 53.0	1.172	2.078	15.3	21.1
10 28	3 32.15	+ 4 51.4	1.149	2.103	10.1	20.9
11 7	3 16.80	+ 3 59.5	1.152	2.127	6.5	20.7
11 17	3 1.29	+ 3 24.6	1.183	2.148	7.8	20.9
11 27	2 47.52	+ 3 11.8	1.242	2.166	12.0	21.2
12 7	2 36.83	+ 3 22.1	1.324	2.183	16.4	21.5
12 17	2 29.84	+ 3 53.1	1.427	2.197	20.0	21.8

42657 1998 FC_{117} 11 11.9 66°.97 0°.4/12.1 18

10 8	3 37.40	+21 52.3	1.319	2.165	18.1	17.9
10 18	3 32.23	+21 10.0	1.265	2.180	13.7	17.7
10 28	3 24.12	+20 12.2	1.232	2.195	8.5	17.4
11 7	3 14.18	+19 2.6	1.222	2.210	2.9	17.2
11 17	3 3.87	+17 47.8	1.239	2.225	2.8	17.2
11 27	2 54.75	+16 36.4	1.283	2.240	8.1	17.6
12 7	2 47.99	+15 36.5	1.352	2.255	12.9	17.9
12 17	2 44.24	+14 53.3	1.442	2.271	16.9	18.2

371288 2006 DX_{173} 11 11.9 136°.27 3°.7/ 9.8 17

10 8	3 40.02	+10 49.3	1.640	2.481	15.4	21.3
10 18	3 33.60	+ 9 56.1	1.582	2.495	11.5	21.1
10 28	3 24.74	+ 9 0.0	1.547	2.508	7.3	20.9
11 7	3 14.37	+ 8 6.5	1.539	2.520	4.0	20.7
11 17	3 3.66	+ 7 21.2	1.559	2.532	5.1	20.8
11 27	2 53.90	+ 6 49.3	1.607	2.542	9.0	21.1
12 7	2 46.08	+ 6 34.0	1.682	2.552	12.8	21.3
12 17	2 40.84	+ 6 35.9	1.777	2.561	16.0	21.6

124397 2001 QR_{190} 11 11.9 148°.64 0°.4/11.7 18

10 8	3 39.90	+19 21.4	1.419	2.260	17.3	20.2
10 18	3 34.10	+18 49.9	1.353	2.266	13.1	20.0
10 28	3 25.34	+18 6.2	1.308	2.271	8.1	19.7
11 7	3 14.63	+17 13.3	1.288	2.276	2.7	19.4
11 17	3 3.37	+16 16.5	1.296	2.280	3.0	19.5
11 27	2 53.12	+15 23.0	1.331	2.284	8.3	19.8
12 7	2 45.14	+14 39.7	1.390	2.288	13.1	20.1
12 17	2 40.18	+14 11.3	1.472	2.291	17.1	20.3

285862 2001 HM_{48} 11 11.9 168°.62 7°.8/ 3.5 18

10 8	3 30.66	−10 15.3	2.885	3.688	10.4	21.1
10 18	3 25.81	−11 42.1	2.835	3.692	9.0	21.0
10 28	3 19.63	−12 58.6	2.810	3.695	8.0	20.9
11 7	3 12.63	−13 59.8	2.812	3.698	7.9	20.9
11 17	3 5.40	−14 41.6	2.840	3.700	8.6	21.0
11 27	2 58.60	−15 2.0	2.895	3.702	9.9	21.1
12 7	2 52.79	−15 1.0	2.972	3.703	11.4	21.2
12 17	2 48.39	−14 40.3	3.069	3.705	12.8	21.3

53753 2000 EV_{66} 11 11.9 70°.13 0°.7/12.3 18

10 8	3 38.91	+20 21.1	1.442	2.282	17.1	19.1
10 18	3 33.21	+20 15.1	1.387	2.298	12.9	18.9
10 28	3 24.68	+19 57.9	1.353	2.314	8.1	18.6
11 7	3 14.38	+19 31.2	1.343	2.330	2.9	18.4
11 17	3 3.67	+18 58.5	1.361	2.346	2.6	18.4
11 27	2 54.03	+18 25.3	1.406	2.362	7.6	18.8
12 7	2 46.63	+17 57.6	1.476	2.378	12.1	19.1
12 17	2 42.13	+17 39.6	1.568	2.395	15.9	19.3

401314 2012 YK_{1} 11 11.9 159°.09 4°.9/ 8.6 18

10 8	3 34.00	+ 4 50.3	2.163	3.001	12.3	21.1
10 18	3 28.68	+ 3 58.8	2.098	3.005	9.4	20.9
10 28	3 21.56	+ 3 9.6	2.057	3.009	6.6	20.8
11 7	3 13.31	+ 2 27.4	2.044	3.012	4.9	20.7
11 17	3 4.74	+ 1 56.5	2.060	3.015	5.8	20.7
11 27	2 56.74	+ 1 40.4	2.104	3.018	8.4	20.9
12 7	2 50.10	+ 1 40.4	2.174	3.020	11.3	21.1
12 17	2 45.35	+ 1 56.5	2.266	3.022	13.8	21.3

327622 2006 HS_{2} 11 11.9 171°.12 3°.1/ 9.2 18

10 8	3 30.98	+ 8 50.8	2.634	3.470	10.4	21.6
10 18	3 26.19	+ 8 2.5	2.562	3.471	7.8	21.4
10 28	3 19.93	+ 7 13.5	2.515	3.473	5.1	21.2
11 7	3 12.75	+ 6 27.2	2.497	3.474	3.2	21.1
11 17	3 5.30	+ 5 47.2	2.509	3.475	4.1	21.2
11 27	2 58.30	+ 5 16.9	2.551	3.476	6.6	21.3
12 7	2 52.37	+ 4 58.3	2.620	3.477	9.2	21.5
12 17	2 47.97	+ 4 52.5	2.713	3.477	11.6	21.7

335460 2005 VY_{38} 11 11.9 321°.00 4°.4/10.6 18

10 8	3 38.37	+ 7 16.6	1.331	2.188	17.3	19.7
10 18	3 33.39	+ 7 21.9	1.251	2.172	13.3	19.4
10 28	3 25.23	+ 7 31.8	1.193	2.156	8.8	19.1
11 7	3 14.73	+ 7 50.1	1.159	2.141	4.8	18.9
11 17	3 3.22	+ 8 19.8	1.150	2.126	5.7	18.9
11 27	2 52.35	+ 9 3.1	1.167	2.112	10.4	19.1
12 7	2 43.63	+10 0.1	1.208	2.099	15.2	19.4
12 17	2 38.06	+11 9.9	1.270	2.087	19.4	19.6

57927 2002 GX_{37} 11 11.9 17°.52 2°.8/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.23	+22 28.8	1.145	2.002	19.5	17.7
10 18	3 31.24	+23 3.6	1.092	2.010	15.0	17.4
10 28	3 23.86	+23 25.0	1.058	2.019	9.8	17.2
11 7	3 14.20	+23 31.8	1.046	2.030	4.6	16.9
11 17	3 3.87	+23 25.5	1.058	2.042	3.6	16.9
11 27	2 54.69	+23 10.9	1.095	2.056	8.5	17.2
12 7	2 48.11	+22 54.9	1.155	2.071	13.4	17.6
12 17	2 44.94	+22 43.7	1.235	2.087	17.6	17.9

353918 2012 XL_{139} 11 11.9 35°.58 0°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.66	+21 22.8	1.500	2.343	16.5	20.3
10 18	3 30.05	+20 55.1	1.436	2.349	12.5	20.1
10 28	3 22.77	+20 14.3	1.394	2.356	7.8	19.8
11 7	3 13.78	+19 22.9	1.376	2.363	2.8	19.6
11 17	3 4.32	+18 25.8	1.385	2.371	2.5	19.6
11 27	2 55.76	+17 29.7	1.422	2.379	7.5	19.9
12 7	2 49.24	+16 41.4	1.483	2.387	12.0	20.2
12 17	2 45.42	+16 5.9	1.567	2.396	15.8	20.4

234750 Amymainzer 11 11.9 61°.16 2°.9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.66	+13 31.9	2.107	2.948	12.4	20.1
10 18	3 26.87	+12 5.7	2.053	2.968	9.2	19.9
10 28	3 20.38	+10 34.7	2.025	2.988	5.7	19.8
11 7	3 12.89	+ 9 4.5	2.026	3.008	3.0	19.6
11 17	3 5.25	+ 7 41.0	2.056	3.028	4.1	19.7
11 27	2 58.30	+ 6 30.1	2.115	3.048	7.3	20.0
12 7	2 52.74	+ 5 35.3	2.202	3.068	10.4	20.2
12 17	2 49.04	+ 4 58.4	2.312	3.088	13.0	20.4

360708 2004 TZ_{66} 11 11.9 30°.17 0°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.17	+16 7.6	1.472	2.322	16.3	18.8
10 18	3 30.99	+16 21.7	1.425	2.343	12.2	18.7
10 28	3 23.23	+16 30.3	1.400	2.365	7.5	18.4
11 7	3 13.90	+16 34.7	1.400	2.388	2.5	18.2
11 17	3 4.24	+16 37.1	1.427	2.412	2.7	18.3
11 27	2 55.58	+16 40.7	1.481	2.437	7.4	18.6
12 7	2 48.99	+16 48.7	1.561	2.463	11.6	18.9
12 17	2 45.07	+17 3.6	1.662	2.489	15.1	19.2

40645 1999 RS_{183} 11 11.9 237°.87 0°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.01	+16 34.6	1.848	2.685	14.1	18.5
10 18	3 30.73	+16 15.2	1.768	2.679	10.6	18.2
10 28	3 23.11	+15 48.9	1.710	2.673	6.6	18.0
11 7	3 13.92	+15 18.1	1.680	2.667	2.2	17.7
11 17	3 4.16	+14 46.2	1.677	2.661	2.8	17.7
11 27	2 55.01	+14 17.6	1.704	2.654	7.1	18.0
12 7	2 47.50	+13 56.7	1.757	2.648	11.2	18.2
12 17	2 42.33	+13 46.6	1.833	2.641	14.7	18.4

210092 2006 QU_{81} 11 11.9 71°.53 2°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.76	+12 44.7	1.764	2.608	14.3	20.4
10 18	3 30.25	+12 8.1	1.713	2.628	10.6	20.2
10 28	3 22.60	+11 28.2	1.685	2.648	6.6	20.0
11 7	3 13.67	+10 48.9	1.683	2.668	3.0	19.9
11 17	3 4.50	+10 14.6	1.710	2.688	3.9	20.0
11 27	2 56.19	+ 9 49.7	1.765	2.708	7.6	20.2
12 7	2 49.61	+ 9 37.0	1.846	2.728	11.3	20.5
12 17	2 45.30	+ 9 37.8	1.950	2.747	14.3	20.8

265557 2005 PC_{14} 11 11.9 174°.57 1°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.97	+16 27.7	1.879	2.709	14.2	21.1
10 18	3 32.81	+16 7.1	1.804	2.712	10.6	20.9
10 28	3 24.33	+15 39.8	1.753	2.715	6.6	20.7
11 7	3 14.31	+15 8.1	1.729	2.716	2.2	20.4
11 17	3 3.82	+14 35.5	1.734	2.717	2.8	20.5
11 27	2 54.02	+14 6.4	1.768	2.717	7.1	20.7
12 7	2 45.94	+13 44.9	1.830	2.717	11.0	21.0
12 17	2 40.24	+13 34.1	1.915	2.716	14.4	21.2

182261 2001 GN_9 11 11.9 121°.32 2°.3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.12	+12 51.8	1.785	2.620	14.6	20.6
10 18	3 33.53	+12 25.5	1.727	2.638	10.9	20.4
10 28	3 24.66	+11 55.8	1.693	2.655	6.7	20.2
11 7	3 14.39	+11 25.9	1.686	2.671	2.9	20.0
11 17	3 3.81	+10 59.8	1.707	2.686	3.7	20.1
11 27	2 54.11	+10 41.4	1.758	2.701	7.6	20.3
12 7	2 46.25	+10 33.7	1.836	2.716	11.4	20.6
12 17	2 40.82	+10 38.2	1.937	2.729	14.6	20.8

171703 2000 SC_{293} 11 11.9 37°.56 6°.3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.30	+31 35.8	1.117	1.948	21.7	18.8
10 18	3 33.85	+32 0.2	1.064	1.959	17.4	18.6
10 28	3 25.59	+31 58.5	1.028	1.971	12.6	18.4
11 7	3 14.82	+31 28.1	1.014	1.984	8.1	18.2
11 17	3 3.39	+30 30.8	1.022	1.998	6.4	18.1
11 27	2 53.39	+29 15.5	1.055	2.013	9.4	18.4
12 7	2 46.38	+27 54.9	1.111	2.028	13.8	18.7
12 17	2 43.14	+26 40.4	1.188	2.043	18.0	19.0

232660 2003 WN_{46} 11 11.9 315°.67 1°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 30.83	+17 9.1	2.259	3.094	11.9	20.2
10 18	3 26.39	+16 10.6	2.179	3.091	8.9	20.0
10 28	3 20.21	+15 4.1	2.125	3.088	5.4	19.8
11 7	3 12.91	+13 53.3	2.099	3.086	2.0	19.6
11 17	3 5.27	+12 42.8	2.102	3.084	2.7	19.6
11 27	2 58.16	+11 38.0	2.136	3.081	6.3	19.9
12 7	2 52.32	+10 43.5	2.197	3.079	9.7	20.1
12 17	2 48.29	+10 2.3	2.282	3.077	12.6	20.3

443371 2014 HM_1 11 11.9 294°.42 5°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.96	+ 7 26.4	1.639	2.494	14.7	21.0
10 18	3 28.56	+ 6 5.4	1.568	2.486	11.2	20.8
10 28	3 21.81	+ 4 42.5	1.520	2.478	7.7	20.5
11 7	3 13.50	+ 3 25.0	1.497	2.470	5.6	20.4
11 17	3 4.66	+ 2 20.6	1.502	2.462	7.0	20.5
11 27	2 56.49	+ 1 35.7	1.533	2.455	10.4	20.6
12 7	2 50.00	+ 1 13.7	1.588	2.447	14.1	20.8
12 17	2 45.88	+ 1 14.9	1.664	2.440	17.3	21.1

168260 2006 NT 11 11.9 315°.11 4°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.88	+31 3.9	1.774	2.578	15.9	19.7
10 18	3 30.19	+30 47.3	1.691	2.573	12.7	19.4
10 28	3 22.90	+30 10.5	1.629	2.568	9.1	19.2
11 7	3 13.88	+29 13.2	1.591	2.564	5.4	19.0
11 17	3 4.29	+27 58.1	1.581	2.559	4.1	18.9
11 27	2 55.46	+26 31.6	1.599	2.555	7.0	19.1
12 7	2 48.54	+25 2.6	1.644	2.551	10.8	19.3
12 17	2 44.24	+23 39.5	1.713	2.547	14.4	19.5

510152 2010 WU_2 11 11.9 29°.01 2°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.04	+12 11.5	1.052	1.923	19.8	20.5
10 18	3 33.30	+12 10.0	1.003	1.932	14.9	20.3
10 28	3 25.10	+12 6.3	0.973	1.942	9.3	20.0
11 7	3 14.64	+12 3.9	0.966	1.953	3.8	19.7
11 17	3 3.59	+12 6.7	0.982	1.964	4.7	19.8
11 27	2 53.81	+12 18.7	1.023	1.977	10.1	20.2
12 7	2 46.74	+12 42.5	1.086	1.991	15.2	20.5
12 17	2 43.15	+13 18.7	1.168	2.005	19.5	20.8

366036 2012 BF_{149} 11 11.9 143°.77 1°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.44	+13 16.0	2.389	3.221	11.4	20.9
10 18	3 28.20	+12 51.9	2.316	3.226	8.5	20.8
10 28	3 21.27	+12 24.7	2.269	3.231	5.3	20.6
11 7	3 13.27	+11 56.9	2.250	3.235	2.2	20.4
11 17	3 4.95	+11 31.5	2.261	3.240	2.9	20.4
11 27	2 57.14	+11 11.6	2.301	3.244	6.1	20.6
12 7	2 50.58	+10 59.8	2.370	3.248	9.2	20.8
12 17	2 45.79	+10 57.6	2.462	3.252	11.9	21.0

484069 2006 JV_9 11 11.9 228°.56 0°.3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.42	+19 55.6	2.748	3.566	10.5	22.5
10 18	3 27.39	+19 40.6	2.657	3.557	8.0	22.3
10 28	3 20.78	+19 18.7	2.591	3.549	5.0	22.1
11 7	3 13.12	+18 51.3	2.553	3.540	1.8	21.9
11 17	3 5.07	+18 20.5	2.546	3.531	1.6	21.9
11 27	2 57.42	+17 49.1	2.569	3.521	4.9	22.1
12 7	2 50.83	+17 20.5	2.621	3.512	8.0	22.3
12 17	2 45.85	+16 57.6	2.699	3.502	10.6	22.4

316532 2010 WC_{17} 11 11.9 134°.00 0°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.71	+21 45.0	2.426	3.240	11.9	21.4
10 18	3 29.19	+21 36.9	2.352	3.249	9.0	21.2
10 28	3 21.90	+21 20.4	2.302	3.257	5.7	21.0
11 7	3 13.48	+20 56.5	2.280	3.265	2.2	20.8
11 17	3 4.73	+20 27.3	2.288	3.273	1.8	20.8
11 27	2 56.54	+19 56.1	2.326	3.280	5.2	21.0
12 7	2 49.66	+19 26.7	2.393	3.287	8.5	21.3
12 17	2 44.64	+19 2.6	2.485	3.294	11.2	21.5

483910 2006 AE_{104} 11 11.9 66°.62 4°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.20	+31 39.3	2.153	2.941	14.0	20.7
10 18	3 29.95	+31 46.7	2.080	2.950	11.2	20.5
10 28	3 22.53	+31 38.3	2.029	2.960	8.1	20.4
11 7	3 13.72	+31 13.2	2.004	2.970	5.3	20.2
11 17	3 4.51	+30 32.8	2.008	2.979	4.3	20.2
11 27	2 56.00	+29 41.2	2.039	2.989	6.2	20.3
12 7	2 49.11	+28 44.2	2.099	2.999	9.1	20.5
12 17	2 44.46	+27 48.2	2.183	3.009	12.0	20.7

112828 2002 QE_{10} 11 11.9 72°.03 4°.2/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.50	+ 8 54.2	1.370	2.216	17.5	19.7
10 18	3 36.23	+ 8 27.4	1.336	2.251	13.1	19.6
10 28	3 26.30	+ 8 1.9	1.324	2.285	8.3	19.4
11 7	3 14.90	+ 7 42.2	1.337	2.319	4.5	19.3
11 17	3 3.45	+ 7 32.4	1.378	2.352	5.5	19.4
11 27	2 53.36	+ 7 35.7	1.446	2.384	9.4	19.7
12 7	2 45.64	+ 7 53.1	1.539	2.417	13.3	20.0
12 17	2 40.83	+ 8 24.1	1.653	2.448	16.6	20.3

350319 2012 UF_{62} 11 11.9 40°.08 2°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.16	+14 11.6	1.339	2.198	17.1	20.6
10 18	3 30.46	+13 34.3	1.288	2.211	12.7	20.4
10 28	3 23.03	+12 51.0	1.258	2.225	7.9	20.2
11 7	3 13.90	+12 6.8	1.253	2.239	3.2	20.0
11 17	3 4.38	+11 27.4	1.274	2.254	4.2	20.1
11 27	2 55.91	+10 58.5	1.320	2.270	8.9	20.4
12 7	2 49.60	+10 44.1	1.391	2.286	13.3	20.7
12 17	2 46.08	+10 46.0	1.483	2.302	17.0	21.0

103087 1999 XW_{162} 11 11.9 272°.64 2°.0/10.9 18

10 8	3 36.81	+14 43.9	1.578	2.424	15.6	20.1
10 18	3 31.83	+14 14.3	1.491	2.408	11.8	19.8
10 28	3 24.09	+13 37.5	1.426	2.390	7.4	19.5
11 7	3 14.36	+12 57.1	1.386	2.373	2.9	19.2
11 17	3 3.80	+12 17.7	1.374	2.355	3.8	19.2
11 27	2 53.82	+11 45.1	1.389	2.338	8.7	19.4
12 7	2 45.70	+11 24.5	1.429	2.320	13.3	19.7
12 17	2 40.31	+11 19.0	1.491	2.302	17.3	19.9

50743 2000 EL_{163} 11 11.9 30°.41 1°.1/12.6 18

10 8	3 35.18	+21 31.8	1.621	2.458	15.7	18.9
10 18	3 30.35	+21 26.4	1.554	2.463	12.0	18.6
10 28	3 22.96	+21 9.8	1.509	2.469	7.6	18.4
11 7	3 13.90	+20 43.1	1.489	2.475	2.9	18.1
11 17	3 4.34	+20 9.3	1.496	2.482	2.4	18.1
11 27	2 55.58	+19 33.5	1.531	2.489	7.0	18.4
12 7	2 48.74	+19 1.4	1.592	2.496	11.3	18.7
12 17	2 44.50	+18 37.6	1.675	2.503	14.9	18.9

29809 1999 CQ_{103} 11 11.9 194°.45 1°.9/10.4 18

10 8	3 33.49	+14 33.7	2.279	3.112	11.9	19.4
10 18	3 28.35	+13 43.5	2.200	3.110	8.9	19.2
10 28	3 21.42	+12 47.6	2.146	3.108	5.5	19.0
11 7	3 13.34	+11 49.5	2.120	3.106	2.3	18.8
11 17	3 4.90	+10 53.7	2.124	3.103	3.2	18.8
11 27	2 56.99	+10 4.6	2.159	3.100	6.6	19.0
12 7	2 50.38	+ 9 26.2	2.220	3.096	9.9	19.2
12 17	2 45.61	+ 9 0.8	2.306	3.092	12.7	19.4

275092 2009 VD_{20} 11 11.9 149°.98 1°.9/13.2 18

10 8	3 38.99	+24 42.3	1.795	2.611	15.3	21.0
10 18	3 33.02	+24 30.4	1.722	2.618	11.8	20.8
10 28	3 24.53	+24 4.5	1.672	2.625	7.7	20.6
11 7	3 14.42	+23 25.4	1.648	2.631	3.5	20.3
11 17	3 3.83	+22 36.0	1.652	2.636	2.6	20.3
11 27	2 54.06	+21 41.7	1.685	2.641	6.7	20.5
12 7	2 46.18	+20 49.2	1.745	2.645	10.7	20.8
12 17	2 40.89	+20 4.3	1.830	2.649	14.2	21.0

305251 2007 XQ_{48} 11 11.9 58°.69 2°.7/10.5 18

10 8	3 35.52	+11 20.1	1.802	2.646	14.1	20.7
10 18	3 30.23	+10 59.8	1.737	2.652	10.5	20.5
10 28	3 22.73	+10 37.6	1.694	2.657	6.6	20.3
11 7	3 13.80	+10 17.0	1.678	2.662	3.1	20.1
11 17	3 4.45	+10 1.3	1.690	2.667	4.0	20.1
11 27	2 55.80	+ 9 54.2	1.730	2.673	7.8	20.4
12 7	2 48.80	+ 9 58.0	1.796	2.679	11.5	20.6
12 17	2 44.09	+10 13.9	1.885	2.684	14.7	20.8

57482 2001 SH_{154} 11 11.9 256°.61 2°.0/10.6 18

10 8	3 33.02	+14 50.7	1.991	2.831	13.1	19.6
10 18	3 28.27	+14 4.1	1.914	2.828	9.8	19.4
10 28	3 21.50	+13 11.3	1.861	2.824	6.0	19.2
11 7	3 13.40	+12 15.9	1.835	2.821	2.5	18.9
11 17	3 4.87	+11 22.6	1.837	2.817	3.4	19.0
11 27	2 56.93	+10 36.5	1.869	2.813	7.2	19.2
12 7	2 50.45	+10 2.0	1.927	2.810	10.8	19.4
12 17	2 46.03	+ 9 41.4	2.009	2.806	14.0	19.7

287175 2002 RR_{261} 11 11.9 139°.73 0°.3/12.1 18

10 8	3 35.51	+20 51.6	2.066	2.890	13.3	21.2
10 18	3 30.03	+20 20.4	1.994	2.897	10.0	21.0
10 28	3 22.52	+19 39.1	1.945	2.904	6.3	20.7
11 7	3 13.73	+18 50.0	1.924	2.911	2.2	20.5
11 17	3 4.59	+17 56.7	1.933	2.918	2.1	20.5
11 27	2 56.12	+17 4.2	1.971	2.924	6.1	20.8
12 7	2 49.19	+16 17.5	2.036	2.930	9.8	21.0
12 17	2 44.39	+15 40.6	2.127	2.935	12.9	21.2

97443 2000 BD_{18} 11 11.9 270°.84 1°.7/13.1 17

10 8	3 34.16	+23 37.4	2.343	3.156	12.3	19.8
10 18	3 29.08	+23 41.7	2.251	3.145	9.5	19.6
10 28	3 22.02	+23 36.6	2.182	3.134	6.2	19.4
11 7	3 13.61	+23 22.2	2.141	3.123	2.9	19.1
11 17	3 4.66	+22 59.9	2.128	3.112	2.3	19.1
11 27	2 56.15	+22 32.7	2.146	3.101	5.5	19.3
12 7	2 48.95	+22 4.6	2.191	3.089	8.9	19.5
12 17	2 43.70	+21 39.7	2.262	3.078	12.0	19.6

139202 2001 FQ_{166} 11 11.9 122°.92 2°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.36	+25 56.4	1.638	2.456	16.4	20.2
10 18	3 33.45	+25 37.8	1.571	2.467	12.7	20.0
10 28	3 24.86	+25 2.7	1.525	2.477	8.4	19.8
11 7	3 14.55	+24 12.1	1.505	2.487	3.9	19.5
11 17	3 3.80	+23 9.6	1.513	2.497	2.9	19.5
11 27	2 54.02	+22 2.0	1.550	2.506	7.0	19.8
12 7	2 46.34	+20 57.2	1.613	2.515	11.3	20.0
12 17	2 41.44	+20 1.8	1.699	2.524	14.9	20.3

170515 2003 WO_{57} 11 11.9 14°.47 0°.9/12.4 18

10 8	3 35.07	+20 36.4	1.465	2.310	16.7	20.5
10 18	3 30.54	+20 36.2	1.399	2.313	12.7	20.3
10 28	3 23.23	+20 25.1	1.354	2.316	8.0	20.0
11 7	3 14.05	+20 4.1	1.333	2.320	3.0	19.8
11 17	3 4.28	+19 36.4	1.339	2.324	2.6	19.7
11 27	2 55.36	+19 7.0	1.371	2.330	7.5	20.1
12 7	2 48.51	+18 41.8	1.429	2.335	12.1	20.3
12 17	2 44.47	+18 25.4	1.508	2.342	16.0	20.6

10140 Villon 11 11.9 232°.29 1°.4/11.1 18

10 8	3 36.63	+16 6.3	1.830	2.666	14.2	17.9
10 18	3 31.25	+15 33.6	1.746	2.658	10.7	17.7
10 28	3 23.51	+14 53.4	1.685	2.648	6.6	17.4
11 7	3 14.13	+14 8.7	1.652	2.639	2.4	17.2
11 17	3 4.17	+13 23.6	1.647	2.629	3.1	17.2
11 27	2 54.80	+12 43.6	1.670	2.619	7.5	17.4
12 7	2 47.09	+12 13.3	1.721	2.608	11.6	17.7
12 17	2 41.75	+11 56.0	1.794	2.597	15.1	17.9

184004 2004 EO_{84} 11 11.9 121°.77 2°.1/12.9 18

10 8	3 41.08	+22 55.6	1.636	2.459	16.2	20.1
10 18	3 34.83	+23 11.7	1.568	2.468	12.5	19.9
10 28	3 25.79	+23 16.2	1.522	2.477	8.1	19.7
11 7	3 14.90	+23 8.6	1.502	2.485	3.6	19.4
11 17	3 3.44	+22 50.3	1.509	2.493	2.9	19.4
11 27	2 52.86	+22 25.7	1.545	2.501	7.1	19.7
12 7	2 44.38	+22 0.5	1.608	2.509	11.4	19.9
12 17	2 38.74	+21 40.1	1.693	2.516	15.0	20.2

479391 2013 YA_{16} 11 11.9 352°.87 4°.6/ 9.8 18

10 8	3 34.60	+ 9 29.6	1.294	2.159	17.2	20.8
10 18	3 30.35	+ 8 49.1	1.230	2.155	13.1	20.6
10 28	3 23.19	+ 8 7.3	1.188	2.153	8.5	20.3
11 7	3 14.06	+ 7 30.2	1.169	2.151	4.9	20.1
11 17	3 4.28	+ 7 3.9	1.175	2.149	6.1	20.2
11 27	2 55.38	+ 6 53.9	1.206	2.148	10.5	20.4
12 7	2 48.62	+ 7 3.0	1.261	2.148	14.9	20.7
12 17	2 44.80	+ 7 31.0	1.334	2.149	18.8	20.9

47883 2000 FZ_{39} 11 11.9 349°.90 8°.3/ 7.4 18

10 8	3 25.55	+ 5 7.7	1.089	1.978	17.9	17.0
10 18	3 23.96	+ 3 38.9	1.028	1.963	14.0	16.7
10 28	3 19.42	+ 2 10.9	0.987	1.949	10.2	16.5
11 7	3 12.84	+ 0 55.0	0.967	1.938	8.3	16.3
11 17	3 5.51	+ 0 1.9	0.970	1.929	10.0	16.4
11 27	2 58.99	− 0 20.3	0.994	1.922	13.9	16.6
12 7	2 54.60	− 0 9.4	1.037	1.918	18.1	16.8
12 17	2 53.14	+ 0 32.3	1.098	1.915	21.8	17.1

111922 2002 GU_{17} 11 11.9 185°.47 2°.2/10.6 18

10 8	3 38.44	+14 45.9	1.751	2.588	14.7	20.5
10 18	3 32.57	+13 59.5	1.676	2.588	11.0	20.3
10 28	3 24.27	+13 6.1	1.625	2.588	6.9	20.0
11 7	3 14.38	+12 9.7	1.601	2.587	2.8	19.8
11 17	3 3.99	+11 15.6	1.606	2.586	3.8	19.8
11 27	2 54.35	+10 29.7	1.640	2.583	8.0	20.1
12 7	2 46.49	+ 9 56.6	1.699	2.580	12.1	20.3
12 17	2 41.10	+ 9 39.1	1.782	2.577	15.6	20.6

6381 Toyama 11 11.9 164°.45 3°.8/ 9.9 18

10 8	3 38.84	+10 8.9	1.649	2.493	15.2	17.3
10 18	3 32.91	+ 9 27.4	1.583	2.497	11.5	17.1
10 28	3 24.49	+ 8 43.8	1.539	2.500	7.4	16.9
11 7	3 14.45	+ 8 3.0	1.522	2.504	4.0	16.7
11 17	3 3.94	+ 7 30.0	1.533	2.506	5.1	16.7
11 27	2 54.23	+ 7 9.7	1.572	2.508	9.0	17.0
12 7	2 46.40	+ 7 4.9	1.636	2.510	12.9	17.2
12 17	2 41.11	+ 7 16.3	1.722	2.511	16.3	17.5

475133 2005 UB_{325} 11 11.9 106°.87 2°.0/10.8 18

10 8	3 37.38	+15 15.6	1.615	2.459	15.5	21.9
10 18	3 31.79	+14 32.2	1.555	2.470	11.5	21.7
10 28	3 23.75	+13 41.9	1.518	2.482	7.1	21.5
11 7	3 14.18	+12 48.9	1.506	2.493	2.8	21.3
11 17	3 4.25	+11 58.6	1.523	2.504	3.7	21.4
11 27	2 55.20	+11 16.8	1.568	2.515	8.0	21.6
12 7	2 48.08	+10 47.9	1.638	2.525	12.1	21.9
12 17	2 43.50	+10 34.4	1.731	2.535	15.6	22.2

388596 2007 RX_{177} 11 11.9 73°.16 1°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.17	+15 8.2	1.670	2.512	15.1	21.0
10 18	3 31.54	+14 49.0	1.613	2.528	11.3	20.8
10 28	3 23.56	+14 24.4	1.580	2.543	6.9	20.6
11 7	3 14.11	+13 57.4	1.572	2.559	2.5	20.4
11 17	3 4.33	+13 31.6	1.593	2.575	3.1	20.5
11 27	2 55.42	+13 11.5	1.642	2.591	7.4	20.8
12 7	2 48.38	+13 0.5	1.716	2.607	11.4	21.1
12 17	2 43.81	+13 0.8	1.814	2.623	14.7	21.3

136525 2006 FQ_{44} 11 11.9 175°.70 0°.7/11.6 18

10 8	3 36.58	+17 11.3	1.900	2.733	13.9	20.1
10 18	3 31.06	+16 53.1	1.825	2.734	10.5	19.9
10 28	3 23.30	+16 27.8	1.773	2.735	6.5	19.6
11 7	3 14.06	+15 57.6	1.748	2.736	2.2	19.3
11 17	3 4.34	+15 25.8	1.752	2.736	2.5	19.4
11 27	2 55.27	+14 56.7	1.785	2.736	6.8	19.7
12 7	2 47.83	+14 34.6	1.845	2.736	10.7	19.9
12 17	2 42.69	+14 22.4	1.928	2.736	14.1	20.1

509221 2006 SM_{272} 11 11.9 23°.72 2°.5/12.8 18

10 8	3 39.23	+21 14.2	1.106	1.962	20.2	20.4
10 18	3 34.47	+21 57.3	1.051	1.968	15.5	20.1
10 28	3 26.04	+22 29.0	1.014	1.976	10.1	19.9
11 7	3 15.09	+22 47.4	1.000	1.985	4.5	19.6
11 17	3 3.33	+22 52.9	1.009	1.994	3.6	19.6
11 27	2 52.77	+22 49.4	1.044	2.005	8.9	19.9
12 7	2 45.01	+22 43.8	1.101	2.016	14.1	20.2
12 17	2 40.93	+22 42.1	1.179	2.028	18.5	20.5

221395 2005 YK_{55} 11 11.9 358°.86 0°.8/12.5 18

10 8	3 32.97	+21 22.2	1.918	2.749	13.9	21.0
10 18	3 28.42	+21 8.3	1.841	2.748	10.5	20.8
10 28	3 21.69	+20 44.1	1.788	2.747	6.7	20.6
11 7	3 13.53	+20 11.2	1.760	2.747	2.5	20.3
11 17	3 4.89	+19 32.5	1.761	2.747	2.1	20.3
11 27	2 56.87	+18 52.5	1.791	2.747	6.3	20.5
12 7	2 50.42	+18 16.5	1.847	2.748	10.2	20.8
12 17	2 46.18	+17 48.4	1.927	2.749	13.5	21.0

256602 2007 VO_{1} 11 11.9 315°.03 1°.1/12.5 18

10 8	3 35.39	+22 47.8	1.249	2.099	18.7	20.1
10 18	3 31.40	+22 21.2	1.173	2.090	14.4	19.9
10 28	3 24.10	+21 36.8	1.118	2.081	9.2	19.5
11 7	3 14.46	+20 36.2	1.085	2.072	3.5	19.2
11 17	3 3.94	+19 24.9	1.078	2.064	2.9	19.1
11 27	2 54.33	+18 11.6	1.096	2.056	8.7	19.5
12 7	2 47.11	+17 6.5	1.138	2.049	14.1	19.7
12 17	2 43.19	+16 16.9	1.200	2.042	18.7	20.0

173536 2000 WX_{77} 11 11.9 333°.94 2°.1/12.7 18

10 8	3 37.41	+21 0.3	1.162	2.017	19.4	19.5
10 18	3 33.27	+21 30.9	1.089	2.007	15.0	19.2
10 28	3 25.48	+21 50.7	1.036	1.998	9.8	18.9
11 7	3 14.99	+21 58.5	1.004	1.990	4.2	18.6
11 17	3 3.37	+21 54.8	0.997	1.982	3.4	18.5
11 27	2 52.60	+21 43.9	1.015	1.975	9.1	18.8
12 7	2 44.41	+21 32.6	1.055	1.969	14.6	19.1
12 17	2 39.88	+21 27.1	1.115	1.964	19.3	19.4

227279 2005 SR_{161} 11 11.9 284°.31 1°.5/12.7 18

10 8	3 37.23	+22 8.6	1.551	2.385	16.4	20.8
10 18	3 32.37	+22 8.9	1.463	2.370	12.7	20.6
10 28	3 24.57	+21 56.8	1.396	2.355	8.2	20.3
11 7	3 14.62	+21 32.6	1.354	2.339	3.4	19.9
11 17	3 3.76	+20 58.3	1.339	2.324	2.7	19.9
11 27	2 53.51	+20 19.2	1.351	2.309	7.7	20.1
12 7	2 45.25	+19 42.1	1.389	2.293	12.5	20.4
12 17	2 39.91	+19 12.9	1.448	2.278	16.7	20.6

204813 2007 MM_{6} 11 11.9 73°.95 6°.1/ 9.4 18

10 8	3 39.10	+ 2 38.1	1.622	2.465	15.4	19.3
10 18	3 32.89	+ 2 10.5	1.575	2.483	11.9	19.1
10 28	3 24.34	+ 1 49.7	1.550	2.500	8.4	18.9
11 7	3 14.38	+ 1 40.7	1.550	2.518	6.2	18.8
11 17	3 4.16	+ 1 47.1	1.578	2.536	7.0	18.9
11 27	2 54.88	+ 2 10.7	1.633	2.554	10.0	19.1
12 7	2 47.51	+ 2 50.9	1.713	2.572	13.2	19.4
12 17	2 42.63	+ 3 45.8	1.815	2.589	16.1	19.6

387965 2005 GL_{182} 11 11.9 126°.83 4°.4/ 8.5 18

10 8	3 35.10	+ 4 3.3	2.623	3.449	10.7	22.2
10 18	3 29.14	+ 3 12.7	2.569	3.469	8.2	22.0
10 28	3 21.73	+ 2 25.1	2.542	3.489	5.8	21.9
11 7	3 13.47	+ 1 44.2	2.544	3.508	4.4	21.8
11 17	3 5.05	+ 1 13.5	2.576	3.526	5.2	21.9
11 27	2 57.20	+ 0 55.6	2.637	3.544	7.3	22.1
12 7	2 50.53	+ 0 51.6	2.726	3.561	9.6	22.3
12 17	2 45.48	+ 1 1.2	2.839	3.577	11.7	22.4

41008 1999 UR_{14} 11 11.9 231°.84 0°.7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.40	+15 36.9	2.204	3.034	12.4	19.9
10 18	3 29.95	+15 38.4	2.125	3.033	9.3	19.7
10 28	3 22.54	+15 36.0	2.070	3.032	5.7	19.4
11 7	3 13.82	+15 30.9	2.043	3.030	2.0	19.2
11 17	3 4.65	+15 25.1	2.045	3.029	2.3	19.2
11 27	2 56.00	+15 21.1	2.078	3.028	6.1	19.5
12 7	2 48.71	+15 21.6	2.137	3.027	9.6	19.7
12 17	2 43.39	+15 28.7	2.222	3.025	12.6	19.9

74011 1998 FE_{106} 11 11.9 244°.62 4°.7/14.3 18

10 8	3 40.51	+28 42.3	1.512	2.326	17.8	19.9
10 18	3 35.01	+29 11.3	1.433	2.322	14.2	19.6
10 28	3 26.27	+29 23.3	1.374	2.317	10.1	19.4
11 7	3 15.21	+29 15.4	1.340	2.313	6.1	19.1
11 17	3 3.25	+28 47.5	1.331	2.308	4.9	19.1
11 27	2 52.10	+28 4.3	1.349	2.304	8.2	19.2
12 7	2 43.26	+27 14.0	1.393	2.299	12.4	19.5
12 17	2 37.65	+26 25.0	1.459	2.294	16.4	19.7

33016 1997 GZ_{31} 11 11.9 156°.75 2°.8/ 9.7 18

10 8	3 33.37	+ 7 58.8	3.012	3.837	9.5	20.0
10 18	3 27.81	+ 7 31.4	2.942	3.845	7.2	19.9
10 28	3 20.92	+ 7 4.5	2.898	3.853	4.7	19.7
11 7	3 13.23	+ 6 40.6	2.884	3.861	2.9	19.6
11 17	3 5.30	+ 6 22.0	2.901	3.867	3.5	19.7
11 27	2 57.79	+ 6 10.9	2.948	3.874	5.8	19.8
12 7	2 51.27	+ 6 8.9	3.024	3.879	8.2	20.0
12 17	2 46.16	+ 6 16.6	3.125	3.884	10.3	20.2

268814 2006 VV_{45} 11 11.9 337°.79 0°.8/11.7 18

10 8	3 38.60	+15 36.8	1.304	2.158	17.8	20.4
10 18	3 33.62	+15 49.5	1.233	2.153	13.5	20.1
10 28	3 25.41	+15 57.2	1.183	2.148	8.4	19.8
11 7	3 14.92	+16 1.0	1.156	2.144	2.9	19.5
11 17	3 3.55	+16 3.3	1.155	2.140	3.2	19.5
11 27	2 53.02	+16 7.6	1.181	2.137	8.8	19.8
12 7	2 44.79	+16 18.0	1.230	2.134	13.9	20.1
12 17	2 39.79	+16 37.5	1.300	2.132	18.2	20.4

519812 2013 HW_{115} 11 11.9 185°.84 0°.2/12.1 18

10 8	3 34.94	+19 15.4	2.301	3.124	12.2	22.3
10 18	3 29.54	+19 4.8	2.221	3.124	9.2	22.1
10 28	3 22.25	+18 47.0	2.164	3.123	5.7	21.9
11 7	3 13.72	+18 23.4	2.136	3.123	2.0	21.7
11 17	3 4.78	+17 56.3	2.137	3.122	1.9	21.7
11 27	2 56.36	+17 29.1	2.168	3.120	5.7	21.9
12 7	2 49.27	+17 5.5	2.227	3.119	9.1	22.1
12 17	2 44.11	+16 48.5	2.311	3.117	12.1	22.3

151999 2004 JD_{14} 11 11.9 124°.16 0°.3/12.1 18

10 8	3 38.92	+20 13.0	1.776	2.604	15.0	21.2
10 18	3 32.86	+19 53.3	1.711	2.617	11.3	21.0
10 28	3 24.41	+19 23.5	1.669	2.629	7.0	20.7
11 7	3 14.45	+18 45.5	1.654	2.641	2.4	20.5
11 17	3 4.10	+18 2.9	1.667	2.652	2.3	20.5
11 27	2 54.61	+17 20.8	1.709	2.663	6.8	20.8
12 7	2 46.97	+16 44.6	1.778	2.673	10.8	21.1
12 17	2 41.83	+16 18.4	1.871	2.683	14.2	21.3

13836 1999 XF_{24} 11 11.9 25°.06 0°.7/11.8 18

10 8	3 41.17	+13 24.4	1.341	2.191	17.6	16.1
10 18	3 35.26	+14 10.7	1.282	2.199	13.3	15.8
10 28	3 26.25	+14 56.4	1.244	2.209	8.3	15.6
11 7	3 15.15	+15 40.9	1.231	2.219	2.8	15.3
11 17	3 3.38	+16 23.9	1.245	2.230	3.0	15.3
11 27	2 52.60	+17 6.4	1.286	2.241	8.3	15.7
12 7	2 44.16	+17 50.1	1.352	2.254	13.0	16.0
12 17	2 38.89	+18 36.6	1.439	2.267	16.9	16.3

324180 2006 AX_{34} 11 11.9 39°.13 4°.6/15.4 18

10 8	3 34.94	+32 31.9	2.029	2.818	14.7	20.5
10 18	3 29.96	+32 38.0	1.954	2.824	11.9	20.3
10 28	3 22.68	+32 26.6	1.900	2.829	8.7	20.1
11 7	3 13.89	+31 56.8	1.871	2.835	5.8	20.0
11 17	3 4.64	+31 9.9	1.870	2.841	4.6	19.9
11 27	2 56.11	+30 10.5	1.897	2.847	6.6	20.1
12 7	2 49.29	+29 5.2	1.951	2.853	9.6	20.3
12 17	2 44.84	+28 0.9	2.030	2.860	12.6	20.5

395549 2011 UD_{185} 11 11.9 40°.79 3°.5/10.1 18

10 8	3 35.00	+ 9 46.0	1.756	2.603	14.2	20.7
10 18	3 29.93	+ 9 15.6	1.690	2.606	10.7	20.5
10 28	3 22.62	+ 8 44.4	1.648	2.610	6.9	20.3
11 7	3 13.86	+ 8 16.4	1.632	2.614	3.8	20.1
11 17	3 4.67	+ 7 55.9	1.644	2.617	4.7	20.2
11 27	2 56.19	+ 7 46.5	1.683	2.622	8.3	20.4
12 7	2 49.36	+ 7 50.6	1.748	2.626	12.0	20.6
12 17	2 44.84	+ 8 8.8	1.835	2.630	15.2	20.9

215338 2001 UL_{200} 11 11.9 49°.59 0°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.58	+19 6.6	1.922	2.757	13.7	20.8
10 18	3 28.79	+18 30.3	1.848	2.758	10.3	20.6
10 28	3 21.89	+17 44.6	1.798	2.760	6.4	20.4
11 7	3 13.61	+16 52.2	1.774	2.762	2.1	20.1
11 17	3 4.92	+15 57.4	1.779	2.764	2.4	20.1
11 27	2 56.89	+15 5.6	1.813	2.765	6.6	20.4
12 7	2 50.41	+14 21.8	1.874	2.767	10.4	20.6
12 17	2 46.12	+13 49.7	1.958	2.769	13.7	20.9

3123 Dunham 11 11.9 48°.50 1°.5/11.3 18 R

10 8	3 36.57	+16 3.2	1.381	2.234	17.0	16.9
10 18	3 31.57	+15 37.7	1.326	2.246	12.7	16.7
10 28	3 23.80	+15 4.7	1.292	2.258	7.8	16.4
11 7	3 14.27	+14 27.8	1.283	2.271	2.8	16.2
11 17	3 4.31	+13 52.0	1.301	2.284	3.4	16.2
11 27	2 55.38	+13 22.9	1.345	2.298	8.4	16.6
12 7	2 48.61	+13 5.3	1.414	2.312	12.9	16.9
12 17	2 44.67	+13 1.6	1.503	2.326	16.6	17.1

480972 2003 UW_{344} 11 11.9 339°.88 3°.8/13.6 16

10 8	3 31.07	+24 55.4	1.186	2.042	19.1	21.1
10 18	3 28.57	+25 26.8	1.106	2.021	15.1	20.8
10 28	3 22.64	+25 43.0	1.044	2.003	10.4	20.5
11 7	3 14.09	+25 41.8	1.004	1.985	5.5	20.1
11 17	3 4.33	+25 23.4	0.986	1.969	4.4	20.0
11 27	2 55.26	+24 52.6	0.993	1.955	9.0	20.2
12 7	2 48.57	+24 17.5	1.022	1.943	14.2	20.5
12 17	2 45.40	+23 46.5	1.070	1.933	19.0	20.7

250678 2005 PK_{23} 11 11.9 293°.04 1°.7/12.9 17

10 8	3 34.95	+22 59.1	1.964	2.787	13.9	21.1
10 18	3 30.08	+23 2.3	1.873	2.773	10.8	20.9
10 28	3 22.87	+22 55.0	1.804	2.759	7.0	20.6
11 7	3 14.02	+22 37.3	1.762	2.745	3.1	20.3
11 17	3 4.49	+22 10.8	1.747	2.732	2.4	20.3
11 27	2 55.46	+21 39.4	1.762	2.718	6.4	20.5
12 7	2 47.98	+21 7.9	1.803	2.705	10.3	20.7
12 17	2 42.80	+20 41.4	1.868	2.691	13.8	20.9

244394 2002 PH_{97} 11 11.9 22°.83 9°.0/ 8.2 18

10 8	3 32.46	+ 0 27.8	1.170	2.042	18.2	18.4
10 18	3 28.58	− 0 38.3	1.136	2.056	14.4	18.3
10 28	3 21.93	− 1 33.0	1.121	2.072	10.8	18.1
11 7	3 13.63	− 2 7.5	1.128	2.089	9.0	18.1
11 17	3 5.03	− 2 15.8	1.158	2.108	10.2	18.2
11 27	2 57.55	− 1 55.4	1.212	2.128	13.1	18.4
12 7	2 52.28	− 1 8.5	1.286	2.149	16.5	18.7
12 17	2 49.79	− 0 0.0	1.379	2.171	19.4	19.0

476777 2008 UJ_{126} 11 11.9 62°.36 2°.3/13.3 18

10 8	3 38.16	+24 22.3	1.541	2.370	16.8	20.8
10 18	3 32.69	+24 25.2	1.482	2.384	12.9	20.6
10 28	3 24.48	+24 13.9	1.444	2.399	8.5	20.4
11 7	3 14.51	+23 48.7	1.431	2.414	3.9	20.2
11 17	3 4.10	+23 12.3	1.445	2.429	3.0	20.1
11 27	2 54.68	+22 30.4	1.486	2.444	7.1	20.4
12 7	2 47.40	+21 49.6	1.553	2.459	11.4	20.7
12 17	2 42.94	+21 15.8	1.643	2.474	15.0	21.0

97448 2000 BW_{33} 11 11.9 332°.76 4°.5/15.1 17

10 8	3 34.85	+31 39.1	2.151	2.940	14.0	19.2
10 18	3 29.90	+31 57.0	2.066	2.936	11.3	19.0
10 28	3 22.68	+31 59.7	2.003	2.933	8.3	18.8
11 7	3 13.93	+31 45.7	1.966	2.930	5.5	18.6
11 17	3 4.62	+31 15.5	1.956	2.926	4.5	18.6
11 27	2 55.88	+30 32.4	1.975	2.924	6.5	18.7
12 7	2 48.71	+29 42.1	2.021	2.921	9.5	18.9
12 17	2 43.82	+28 50.9	2.091	2.918	12.4	19.1

279511 2011 AQ_{72} 11 11.9 339°.48 1°.3/10.4 18

10 8	3 25.65	+11 51.3	4.179	5.007	7.0	20.4
10 18	3 21.88	+11 32.5	4.099	5.006	5.2	20.3
10 28	3 17.22	+11 12.6	4.045	5.005	3.2	20.2
11 7	3 11.99	+10 53.0	4.020	5.004	1.5	20.0
11 17	3 6.58	+10 35.4	4.027	5.003	2.0	20.1
11 27	3 1.41	+10 21.4	4.064	5.002	3.9	20.2
12 7	2 56.85	+10 12.4	4.130	5.001	5.8	20.3
12 17	2 53.23	+10 9.2	4.222	5.000	7.5	20.5

453874 2011 UF_{126} 11 11.9 340°.13 4°.8/14.3 18

10 8	3 39.86	+28 38.4	1.783	2.587	15.9	21.2
10 18	3 34.15	+29 31.6	1.703	2.584	12.7	21.0
10 28	3 25.59	+30 11.6	1.645	2.582	9.2	20.8
11 7	3 14.98	+30 35.2	1.612	2.580	5.9	20.6
11 17	3 3.54	+30 41.0	1.606	2.578	5.0	20.5
11 27	2 52.74	+30 31.1	1.628	2.577	7.6	20.7
12 7	2 43.87	+30 11.1	1.676	2.575	11.1	20.9
12 17	2 37.83	+29 47.5	1.747	2.574	14.5	21.1

240989 2006 KL_{50} 11 11.9 292°.39 0°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.26	+18 30.9	1.652	2.495	15.2	20.6
10 18	3 29.85	+17 54.2	1.563	2.478	11.5	20.3
10 28	3 22.86	+17 6.3	1.497	2.461	7.2	20.1
11 7	3 14.04	+16 10.1	1.457	2.445	2.4	19.7
11 17	3 4.50	+15 10.5	1.444	2.428	2.9	19.7
11 27	2 55.53	+14 14.0	1.459	2.412	7.8	20.0
12 7	2 48.32	+13 27.2	1.499	2.395	12.4	20.2
12 17	2 43.67	+12 54.8	1.561	2.379	16.3	20.4

15359 Dressler 11 11.9 358°.99 2°.9/10.2 18

10 8	3 33.83	+11 57.2	1.809	2.655	13.9	18.6
10 18	3 29.06	+11 19.4	1.738	2.655	10.4	18.4
10 28	3 22.10	+10 38.1	1.691	2.655	6.6	18.2
11 7	3 13.72	+ 9 57.6	1.671	2.655	3.2	18.0
11 17	3 4.88	+ 9 22.2	1.678	2.655	4.2	18.0
11 27	2 56.70	+ 8 56.7	1.713	2.655	7.9	18.2
12 7	2 50.10	+ 8 44.2	1.774	2.655	11.7	18.5
12 17	2 45.74	+ 8 46.2	1.857	2.655	14.9	18.7

496168 2011 AC_{7} 11 11.9 347°.93 1°.3/10.4 18

10 8	3 25.81	+12 4.9	4.079	4.908	7.2	21.1
10 18	3 22.02	+11 46.2	3.999	4.907	5.3	21.0
10 28	3 17.31	+11 26.3	3.945	4.906	3.3	20.9
11 7	3 12.03	+11 6.6	3.921	4.905	1.5	20.7
11 17	3 6.56	+10 48.9	3.927	4.904	2.0	20.8
11 27	3 1.33	+10 34.7	3.964	4.903	3.9	20.9
12 7	2 56.73	+10 25.5	4.030	4.902	5.9	21.0
12 17	2 53.09	+10 22.3	4.122	4.902	7.7	21.2

430487 2001 SE_{305} 11 11.9 90°.54 1°.1/12.6 18

10 8	3 39.69	+22 34.5	1.614	2.441	16.2	21.4
10 18	3 33.57	+22 15.2	1.559	2.462	12.3	21.2
10 28	3 24.87	+21 42.8	1.525	2.483	7.8	20.9
11 7	3 14.62	+20 59.4	1.517	2.503	3.0	20.7
11 17	3 4.06	+20 8.8	1.538	2.523	2.4	20.7
11 27	2 54.55	+19 17.2	1.587	2.543	7.0	21.0
12 7	2 47.12	+18 31.0	1.662	2.562	11.1	21.3
12 17	2 42.38	+17 55.0	1.760	2.581	14.7	21.6

178376 1997 GR_{18} 11 11.9 157°.64 3°.5/14.0 18

10 8	3 40.79	+27 34.7	2.132	2.926	14.0	20.4
10 18	3 34.26	+28 7.6	2.053	2.931	11.0	20.2
10 28	3 25.36	+28 28.6	1.997	2.936	7.7	20.0
11 7	3 14.84	+28 35.9	1.968	2.940	4.6	19.8
11 17	3 3.74	+28 29.3	1.968	2.944	3.7	19.8
11 27	2 53.27	+28 11.5	1.998	2.948	6.3	19.9
12 7	2 44.46	+27 47.3	2.056	2.951	9.6	20.1
12 17	2 38.05	+27 22.1	2.139	2.954	12.6	20.3

221964 1995 SF_{37} 11 12.0 315°.25 2°.3/13.0 18

10 8	3 35.92	+23 11.7	1.299	2.145	18.3	20.7
10 18	3 31.92	+23 20.7	1.217	2.130	14.3	20.4
10 28	3 24.57	+23 15.1	1.155	2.115	9.4	20.1
11 7	3 14.73	+22 54.5	1.116	2.100	4.2	19.7
11 17	3 3.82	+22 20.6	1.102	2.086	3.3	19.6
11 27	2 53.62	+21 39.4	1.113	2.073	8.6	19.9
12 7	2 45.74	+20 58.9	1.147	2.060	13.8	20.2
12 17	2 41.21	+20 26.6	1.202	2.048	18.5	20.4

29998 2000 AG_{137} 11 12.0 150°.06 1°.1/12.6 18

10 8	3 42.05	+21 31.7	1.514	2.344	17.0	19.0
10 18	3 35.75	+21 28.3	1.446	2.351	13.0	18.7
10 28	3 26.49	+21 12.8	1.399	2.357	8.3	18.5
11 7	3 15.25	+20 45.8	1.377	2.363	3.2	18.2
11 17	3 3.42	+20 10.3	1.383	2.369	2.6	18.2
11 27	2 52.54	+19 31.8	1.417	2.373	7.6	18.5
12 7	2 43.90	+18 56.9	1.477	2.378	12.3	18.8
12 17	2 38.27	+18 31.1	1.560	2.381	16.2	19.0

476476 2008 FG_{22} 11 12.0 53°.63 3°.8/10.6 18

10 8	3 39.39	+ 9 53.3	1.289	2.146	17.8	20.2
10 18	3 33.77	+ 9 37.8	1.238	2.159	13.4	20.0
10 28	3 25.21	+ 9 22.3	1.209	2.173	8.5	19.8
11 7	3 14.79	+ 9 11.2	1.204	2.187	4.3	19.6
11 17	3 3.94	+ 9 8.4	1.224	2.202	5.2	19.7
11 27	2 54.21	+ 9 17.6	1.271	2.217	9.6	20.0
12 7	2 46.81	+ 9 40.3	1.342	2.232	14.0	20.3
12 17	2 42.42	+10 16.5	1.433	2.247	17.7	20.6

237856 2002 GV_{116} 11 12.0 213°.71 1°.5/11.1 18

10 8	3 36.51	+15 2.6	1.905	2.741	13.8	21.2
10 18	3 31.06	+14 39.3	1.826	2.737	10.3	21.0
10 28	3 23.38	+14 10.5	1.771	2.733	6.4	20.7
11 7	3 14.19	+13 38.8	1.742	2.729	2.4	20.5
11 17	3 4.47	+13 7.8	1.742	2.724	3.1	20.5
11 27	2 55.36	+12 41.9	1.772	2.719	7.2	20.7
12 7	2 47.84	+12 24.8	1.828	2.714	11.1	21.0
12 17	2 42.58	+12 19.1	1.907	2.709	14.4	21.2