510241 2011 FK_{41} 11 14.9 236°.82 1°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.94	+14 5.9	1.781	2.590	15.7	21.9
10 18	3 47.90	+13 58.5	1.690	2.580	12.3	21.6
10 28	3 40.12	+13 47.6	1.620	2.569	8.3	21.4
11 7	3 30.24	+13 35.0	1.577	2.558	4.0	21.1
11 17	3 19.25	+13 23.4	1.561	2.546	2.4	21.0
11 27	3 8.45	+13 16.1	1.574	2.534	6.6	21.2
12 7	2 59.08	+13 16.3	1.615	2.522	10.9	21.4
12 17	2 52.08	+13 26.6	1.679	2.509	14.8	21.7

169744 2002 OF_{18} 11 14.9 136°.20 0°.4/15.2 18

10 8	3 50.05	+22 11.5	2.177	2.966	13.9	20.5
10 18	3 44.95	+21 42.7	2.100	2.978	10.8	20.4
10 28	3 37.69	+21 3.8	2.046	2.988	7.3	20.2
11 7	3 28.96	+20 16.3	2.018	2.998	3.4	19.9
11 17	3 19.62	+19 23.3	2.020	3.008	0.8	19.8
11 27	3 10.68	+18 29.2	2.052	3.017	4.7	20.1
12 7	3 3.05	+17 38.8	2.114	3.026	8.4	20.3
12 17	2 57.38	+16 56.5	2.201	3.034	11.6	20.5

261896 2006 HU_{51} 11 14.9 269°.40 1°.0/15.8 18

10 8	3 46.66	+24 11.3	2.598	3.378	12.1	21.0
10 18	3 42.31	+23 47.7	2.484	3.355	9.6	20.8
10 28	3 36.01	+23 13.7	2.394	3.332	6.6	20.6
11 7	3 28.27	+22 29.9	2.330	3.308	3.3	20.4
11 17	3 19.77	+21 38.1	2.297	3.284	1.1	20.1
11 27	3 11.38	+20 41.9	2.294	3.260	4.2	20.3
12 7	3 3.93	+19 45.8	2.321	3.235	7.7	20.5
12 17	2 58.11	+18 54.2	2.375	3.210	10.8	20.7

197886 2004 RB_{22} 11 14.9 83°.44 0°.3/15.2 16

10 8	3 52.56	+20 55.8	1.635	2.441	17.0	21.5
10 18	3 47.47	+20 42.9	1.573	2.460	13.3	21.3
10 28	3 39.62	+20 19.8	1.533	2.479	8.9	21.1
11 7	3 29.88	+19 47.8	1.517	2.498	4.1	20.9
11 17	3 19.41	+19 10.0	1.529	2.517	1.0	20.7
11 27	3 9.56	+18 31.2	1.569	2.536	5.7	21.1
12 7	3 1.48	+17 56.9	1.637	2.554	10.1	21.4
12 17	2 55.93	+17 31.3	1.728	2.572	13.8	21.6

253434 2003 QP_{87} 11 14.9 66°.90 5°.0/12.8 16

10 8	3 52.00	+10 53.9	1.248	2.085	19.5	20.4
10 18	3 47.47	+ 9 52.5	1.200	2.104	15.1	20.1
10 28	3 39.79	+ 8 48.5	1.172	2.124	10.3	19.9
11 7	3 29.97	+ 7 48.8	1.167	2.144	6.0	19.8
11 17	3 19.40	+ 7 0.6	1.187	2.164	5.6	19.8
11 27	3 9.67	+ 6 30.0	1.233	2.184	9.3	20.1
12 7	3 2.04	+ 6 20.2	1.304	2.203	13.6	20.4
12 17	2 57.28	+ 6 31.2	1.395	2.223	17.4	20.7

432646 2010 WT_{39} 11 14.9 140°.60 0°.5/15.3 16

10 8	3 52.88	+22 17.4	1.616	2.420	17.3	21.8
10 18	3 47.94	+21 52.2	1.542	2.428	13.6	21.5
10 28	3 40.10	+21 14.3	1.489	2.435	9.2	21.3
11 7	3 30.16	+20 24.9	1.461	2.441	4.3	21.0
11 17	3 19.33	+19 27.8	1.460	2.448	1.0	20.8
11 27	3 9.02	+18 28.9	1.487	2.454	6.0	21.2
12 7	3 0.50	+17 35.1	1.542	2.459	10.6	21.5
12 17	2 54.59	+16 52.0	1.620	2.464	14.6	21.7

47078 1998 YS_{2} 11 14.9 30°.68 6°.9/10.5 18

10 8	3 45.47	− 2 2.5	2.309	3.112	12.7	18.0
10 18	3 41.20	− 2 52.4	2.242	3.114	10.5	17.9
10 28	3 35.13	− 3 35.3	2.198	3.116	8.3	17.8
11 7	3 27.80	− 4 6.3	2.180	3.118	7.0	17.7
11 17	3 19.93	− 4 21.4	2.189	3.120	7.2	17.7
11 27	3 12.35	− 4 18.0	2.225	3.123	8.9	17.8
12 7	3 5.81	− 3 55.6	2.286	3.125	11.1	18.0
12 17	3 0.87	− 3 15.8	2.371	3.128	13.3	18.1

280825 2005 UF_{63} 11 14.9 217°.23 0°.7/14.6 18

10 8	3 51.52	+17 54.4	1.928	2.730	14.9	21.6
10 18	3 46.57	+17 39.9	1.837	2.723	11.7	21.4
10 28	3 39.10	+17 18.5	1.769	2.716	7.8	21.2
11 7	3 29.74	+16 51.4	1.727	2.709	3.6	20.9
11 17	3 19.43	+16 21.2	1.714	2.701	1.3	20.7
11 27	3 9.37	+15 51.9	1.729	2.693	5.7	21.0
12 7	3 0.66	+15 27.7	1.773	2.684	9.9	21.2
12 17	2 54.15	+15 12.4	1.842	2.674	13.6	21.4

435148 2007 HD_{75} 11 14.9 207°.47 0°.2/14.9 18

10 8	3 52.98	+17 54.6	1.844	2.646	15.5	21.3
10 18	3 47.83	+18 2.2	1.758	2.643	12.2	21.1
10 28	3 40.01	+18 4.1	1.693	2.640	8.2	20.8
11 7	3 30.18	+18 0.9	1.654	2.636	3.7	20.5
11 17	3 19.33	+17 54.0	1.644	2.632	1.0	20.3
11 27	3 8.75	+17 46.0	1.663	2.628	5.7	20.7
12 7	2 59.61	+17 40.5	1.710	2.623	10.0	20.9
12 17	2 52.81	+17 40.9	1.781	2.619	13.7	21.1

93559 2000 UA_{37} 11 14.9 316°.56 1°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.85	+17 18.1	1.566	2.389	16.8	19.1
10 18	3 44.25	+16 52.6	1.483	2.382	13.2	18.8
10 28	3 37.81	+16 18.6	1.421	2.374	8.8	18.5
11 7	3 29.23	+15 38.8	1.384	2.366	4.0	18.2
11 17	3 19.58	+14 57.0	1.372	2.359	2.0	18.1
11 27	3 10.24	+14 18.8	1.389	2.352	6.7	18.4
12 7	3 2.47	+13 49.7	1.430	2.346	11.4	18.6
12 17	2 57.20	+13 33.4	1.495	2.340	15.5	18.9

472541 2015 DW_{23} 11 14.9 85°.71 1°.4/14.3 18

10 8	3 54.02	+16 47.0	1.508	2.324	17.7	21.5
10 18	3 48.69	+16 25.7	1.452	2.345	13.7	21.2
10 28	3 40.47	+15 57.5	1.416	2.366	9.1	21.0
11 7	3 30.28	+15 24.9	1.405	2.387	4.1	20.8
11 17	3 19.37	+14 51.8	1.421	2.408	2.0	20.7
11 27	3 9.16	+14 23.0	1.465	2.428	6.6	21.1
12 7	3 0.85	+14 3.1	1.536	2.448	11.0	21.4
12 17	2 55.20	+13 55.0	1.630	2.467	14.8	21.6

500758 2013 AF_{119} 11 14.9 129°.81 10°.1/21.7 17

10 8	3 58.04	+43 55.0	1.231	1.979	24.5	20.7
10 18	3 53.93	+44 2.4	1.158	1.983	21.2	20.4
10 28	3 45.07	+43 33.3	1.099	1.986	17.4	20.2
11 7	3 32.65	+42 19.5	1.058	1.990	13.4	20.0
11 17	3 18.77	+40 18.3	1.040	1.993	10.5	19.8
11 27	3 6.00	+37 38.1	1.046	1.996	10.6	19.9
12 7	2 56.41	+34 37.5	1.077	1.998	13.6	20.0
12 17	2 51.06	+31 37.3	1.131	2.001	17.6	20.3

323681 2005 EB_{270} 11 14.9 155°.88 9°.0/ 8.6 17

10 8	3 51.18	− 3 12.4	1.969	2.767	14.8	21.6
10 18	3 45.83	− 5 1.1	1.912	2.777	12.3	21.5
10 28	3 38.29	− 6 42.3	1.878	2.786	10.1	21.3
11 7	3 29.25	− 8 7.9	1.871	2.794	9.1	21.3
11 17	3 19.62	− 9 10.8	1.890	2.801	9.6	21.4
11 27	3 10.42	− 9 46.3	1.936	2.807	11.4	21.5
12 7	3 2.58	− 9 53.9	2.007	2.812	13.7	21.6
12 17	2 56.73	− 9 35.7	2.097	2.816	15.9	21.8

9134 Encke 11 14.9 90°.08 1°.4/14.1 18

10 8	3 47.29	+16 2.5	2.093	2.901	13.7	19.0
10 18	3 42.94	+15 38.8	2.014	2.904	10.6	18.8
10 28	3 36.46	+15 9.7	1.958	2.907	7.1	18.6
11 7	3 28.47	+14 37.6	1.928	2.910	3.3	18.4
11 17	3 19.81	+14 5.5	1.927	2.913	1.8	18.3
11 27	3 11.45	+13 37.1	1.955	2.916	5.4	18.5
12 7	3 4.30	+13 15.9	2.011	2.919	9.1	18.8
12 17	2 59.04	+13 4.5	2.093	2.922	12.3	19.0

161704 2006 JL_{55} 11 14.9 206°.42 3°.0/17.0 18

10 8	3 51.60	+29 11.8	2.158	2.925	14.6	20.6
10 18	3 46.55	+29 8.9	2.063	2.921	11.9	20.4
10 28	3 39.03	+28 52.1	1.990	2.916	8.6	20.2
11 7	3 29.70	+28 20.2	1.942	2.910	5.1	20.0
11 17	3 19.49	+27 34.1	1.923	2.904	3.0	19.8
11 27	3 9.57	+26 37.4	1.933	2.897	5.1	20.0
12 7	3 1.00	+25 35.9	1.973	2.890	8.6	20.2
12 17	2 54.60	+24 35.8	2.038	2.882	12.0	20.4

164068 2003 WJ_{66} 11 14.9 341°.94 3°.6/15.8 18

10 8	3 51.45	+21 26.9	1.308	2.131	19.5	18.4
10 18	3 48.17	+22 49.3	1.223	2.116	15.7	18.1
10 28	3 41.18	+24 8.8	1.157	2.103	11.2	17.8
11 7	3 31.08	+25 21.1	1.113	2.090	6.3	17.5
11 17	3 19.09	+26 21.5	1.095	2.079	3.7	17.3
11 27	3 7.09	+27 7.9	1.103	2.069	7.5	17.5
12 7	2 56.98	+27 42.4	1.135	2.061	12.6	17.8
12 17	2 50.18	+28 9.8	1.188	2.054	17.2	18.0

457945 2009 VO_{28} 11 15.0 11°.74 0°.6/15.3 18

10 8	3 49.71	+18 48.5	1.906	2.711	15.0	20.1
10 18	3 45.19	+19 16.1	1.826	2.713	11.7	19.9
10 28	3 38.18	+19 38.9	1.769	2.715	7.9	19.7
11 7	3 29.34	+19 56.5	1.737	2.718	3.7	19.4
11 17	3 19.60	+20 9.2	1.734	2.722	1.0	19.2
11 27	3 10.13	+20 18.6	1.759	2.726	5.2	19.5
12 7	3 2.03	+20 27.5	1.812	2.730	9.2	19.8
12 17	2 56.10	+20 38.7	1.890	2.735	12.7	20.0

219915 2002 GB_{9} 11 15.0 156°.60 1°.2/14.1 18

10 8	3 46.96	+15 49.1	2.775	3.569	11.1	21.6
10 18	3 42.12	+15 26.9	2.693	3.575	8.6	21.4
10 28	3 35.64	+15 0.8	2.635	3.581	5.7	21.2
11 7	3 28.04	+14 32.3	2.606	3.587	2.6	21.0
11 17	3 19.95	+14 3.8	2.607	3.592	1.5	21.0
11 27	3 12.11	+13 38.0	2.639	3.597	4.4	21.2
12 7	3 5.18	+13 17.5	2.700	3.601	7.3	21.4
12 17	2 59.71	+13 4.3	2.788	3.605	9.9	21.6

47745 2000 DE_{77} 11 15.0 72.°82 0.°3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.50	+20 38.1	2.300	3.094	13.0	18.9
10 18	3 42.85	+20 27.1	2.231	3.112	10.1	18.8
10 28	3 36.26	+20 8.6	2.185	3.129	6.8	18.6
11 7	3 28.34	+19 44.0	2.166	3.147	3.1	18.4
11 17	3 19.89	+19 15.3	2.176	3.164	0.7	18.2
11 27	3 11.83	+18 45.7	2.216	3.181	4.4	18.5
12 7	3 4.94	+18 18.6	2.285	3.199	7.8	18.8
12 17	2 59.82	+17 57.3	2.379	3.216	10.7	19.0

320162 2007 GP 11 15.0 92.°98 1.°3/14.1 18

10 8	3 45.84	+16 55.7	2.231	3.037	13.0	20.9
10 18	3 41.70	+16 19.9	2.149	3.038	10.1	20.7
10 28	3 35.59	+15 37.7	2.091	3.040	6.7	20.5
11 7	3 28.08	+14 51.6	2.059	3.041	3.1	20.3
11 17	3 19.95	+14 5.1	2.057	3.043	1.8	20.2
11 27	3 12.11	+13 22.3	2.084	3.044	5.2	20.4
12 7	3 5.39	+12 47.1	2.140	3.046	8.7	20.7
12 17	3 0.42	+12 22.3	2.220	3.047	11.8	20.9

294710 2008 BC_{21} 11 15.0 153.°15 2.°8/16.8 18

10 8	3 49.67	+27 27.1	2.059	2.838	14.9	21.1
10 18	3 45.11	+27 36.1	1.973	2.839	11.9	20.9
10 28	3 38.10	+27 32.8	1.909	2.840	8.6	20.7
11 7	3 29.30	+27 16.3	1.870	2.841	5.0	20.4
11 17	3 19.64	+26 47.2	1.859	2.841	2.8	20.3
11 27	3 10.29	+26 8.7	1.877	2.842	5.1	20.5
12 7	3 2.31	+25 25.8	1.923	2.842	8.7	20.7
12 17	2 56.48	+24 44.0	1.995	2.843	12.0	20.9

458118 2010 DC_{45} 11 15.0 172.°90 1.°6/16.3 17

10 8	3 45.47	+25 27.1	2.830	3.604	11.3	21.9
10 18	3 41.12	+25 21.9	2.739	3.605	9.0	21.8
10 28	3 35.07	+25 7.9	2.672	3.605	6.3	21.6
11 7	3 27.82	+24 45.3	2.631	3.606	3.4	21.4
11 17	3 20.02	+24 15.4	2.621	3.606	1.6	21.3
11 27	3 12.43	+23 40.6	2.641	3.606	3.8	21.4
12 7	3 5.77	+23 4.3	2.690	3.606	6.7	21.6
12 17	3 0.58	+22 30.0	2.767	3.607	9.3	21.8

21383 1998 EC_{9} 11 15.0 126.°36 1.°7/13.9 18

10 8	3 52.41	+14 26.0	2.181	2.977	13.6	19.2
10 18	3 46.63	+14 6.6	2.112	2.995	10.5	19.1
10 28	3 38.77	+13 43.5	2.067	3.013	7.0	18.9
11 7	3 29.48	+13 18.8	2.049	3.029	3.3	18.7
11 17	3 19.62	+12 55.4	2.060	3.045	2.1	18.6
11 27	3 10.19	+12 36.3	2.103	3.060	5.4	18.9
12 7	3 2.06	+12 24.4	2.174	3.074	8.9	19.1
12 17	2 55.86	+12 21.6	2.271	3.088	11.9	19.3

100719 1998 BU_{26} 11 15.0 249.°19 5.°1/17.6 18

10 8	3 53.45	+31 9.8	1.551	2.333	18.8	20.4
10 18	3 49.18	+31 31.2	1.462	2.326	15.5	20.1
10 28	3 41.46	+31 34.6	1.393	2.318	11.6	19.9
11 7	3 31.03	+31 16.4	1.346	2.310	7.5	19.6
11 17	3 19.19	+30 35.5	1.325	2.301	5.1	19.4
11 27	3 7.66	+29 35.7	1.330	2.293	7.1	19.5
12 7	2 58.07	+28 25.4	1.362	2.284	11.3	19.8
12 17	2 51.55	+27 14.5	1.417	2.275	15.4	20.0

212860 2007 VJ_{105} 11 15.0 356.°91 0.°5/15.3 18

10 8	3 47.40	+22 22.5	1.690	2.501	16.3	20.2
10 18	3 43.70	+21 57.8	1.610	2.500	12.9	20.0
10 28	3 37.31	+21 20.7	1.551	2.499	8.7	19.7
11 7	3 28.97	+20 32.6	1.517	2.498	4.1	19.5
11 17	3 19.74	+19 37.0	1.510	2.498	1.0	19.2
11 27	3 10.88	+18 39.5	1.531	2.498	5.7	19.6
12 7	3 3.57	+17 46.6	1.578	2.498	10.2	19.8
12 17	2 58.62	+17 3.6	1.649	2.499	14.1	20.1

265940 2006 BF_{188} 11 15.0 340.°99 7.°0/19.0 17

10 8	3 51.97	+37 11.1	2.117	2.853	15.8	20.2
10 18	3 47.37	+38 11.2	2.028	2.850	13.5	20.0
10 28	3 39.91	+38 56.1	1.959	2.847	10.8	19.8
11 7	3 30.25	+39 21.3	1.913	2.844	8.4	19.7
11 17	3 19.40	+39 24.0	1.894	2.841	7.0	19.6
11 27	3 8.72	+39 4.6	1.902	2.839	7.6	19.6
12 7	2 59.54	+38 27.9	1.936	2.836	9.8	19.7
12 17	2 52.82	+37 40.6	1.995	2.835	12.4	19.9

136294 2004 AK_{26} 11 15.0 45.°98 5.°7/12.6 18

10 8	3 50.01	+ 9 17.0	1.184	2.029	19.8	19.2
10 18	3 46.20	+ 8 20.9	1.134	2.042	15.5	19.0
10 28	3 39.13	+ 7 24.2	1.104	2.056	10.7	18.8
11 7	3 29.78	+ 6 33.9	1.095	2.071	6.6	18.6
11 17	3 19.57	+ 5 57.3	1.111	2.086	6.2	18.6
11 27	3 10.12	+ 5 40.0	1.152	2.101	9.9	18.9
12 7	3 2.77	+ 5 44.5	1.216	2.117	14.2	19.2
12 17	2 58.34	+ 6 10.0	1.300	2.134	18.1	19.5

244829 2003 UC_{40} 11 15.0 52.°28 1.°3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.38	+17 26.7	1.733	2.549	15.8	21.0
10 18	3 44.25	+16 56.3	1.658	2.552	12.3	20.8
10 28	3 37.57	+16 18.0	1.604	2.555	8.2	20.5
11 7	3 29.06	+15 34.6	1.576	2.558	3.7	20.3
11 17	3 19.73	+14 49.9	1.575	2.562	1.8	20.2
11 27	3 10.80	+14 9.0	1.603	2.565	6.1	20.4
12 7	3 3.37	+13 36.9	1.657	2.569	10.4	20.7
12 17	2 58.20	+13 16.9	1.735	2.573	14.0	20.9

148253 2000 EC_{178} 11 15.0 101.°55 2.°4/16.2 18

10 8	3 53.85	+25 11.4	1.617	2.412	17.6	20.1
10 18	3 48.81	+25 20.0	1.547	2.424	14.0	19.9
10 28	3 40.75	+25 15.3	1.497	2.436	9.8	19.6
11 7	3 30.53	+24 56.8	1.472	2.448	5.2	19.4
11 17	3 19.38	+24 25.5	1.474	2.459	2.4	19.3
11 27	3 8.77	+23 45.9	1.504	2.470	5.9	19.5
12 7	3 0.01	+23 4.4	1.560	2.481	10.2	19.8
12 17	2 53.96	+22 27.2	1.641	2.492	14.0	20.1

253329 2003 EM_{52} 11 15.0 273.°48 3.°3/16.7 18

10 8	3 51.84	+26 37.4	2.075	2.852	14.8	20.7
10 18	3 46.93	+27 15.2	1.984	2.848	12.0	20.5
10 28	3 39.45	+27 43.4	1.914	2.843	8.7	20.3
11 7	3 29.99	+27 59.9	1.870	2.838	5.2	20.1
11 17	3 19.50	+28 3.7	1.854	2.834	3.3	19.9
11 27	3 9.17	+27 56.1	1.867	2.829	5.4	20.1
12 7	3 0.17	+27 41.0	1.908	2.824	8.9	20.3
12 17	2 53.39	+27 23.1	1.975	2.820	12.3	20.5

299164 2005 GD_{19} 11 15.0 219.°90 0.°7/15.4 18

10 8	3 50.16	+21 33.2	2.159	2.950	13.9	21.7
10 18	3 45.33	+21 27.6	2.066	2.944	11.0	21.5
10 28	3 38.20	+21 13.3	1.994	2.937	7.5	21.3
11 7	3 29.36	+20 51.0	1.950	2.930	3.6	21.0
11 17	3 19.67	+20 22.2	1.934	2.922	0.9	20.8
11 27	3 10.20	+19 50.2	1.948	2.914	4.9	21.1
12 7	3 1.95	+19 19.2	1.991	2.906	8.7	21.3
12 17	2 55.68	+18 53.3	2.060	2.897	12.1	21.5

479338 2013 WK_{19} 11 15.0 329.°83 0.°6/14.7 18

10 8	3 48.03	+20 46.3	1.388	2.214	18.4	21.4
10 18	3 44.75	+20 4.4	1.310	2.210	14.5	21.1
10 28	3 38.32	+19 8.1	1.253	2.205	9.7	20.8
11 7	3 29.54	+18 0.0	1.218	2.201	4.4	20.5
11 17	3 19.63	+16 45.8	1.209	2.197	1.5	20.3
11 27	3 10.16	+15 33.4	1.227	2.194	7.0	20.7
12 7	3 2.53	+14 31.2	1.270	2.191	12.1	21.0
12 17	2 57.68	+13 45.3	1.336	2.188	16.6	21.2

299629 2006 JD_{61} 11 15.0 105.°62 0.°6/14.6 18

10 8	3 51.11	+18 51.6	2.011	2.810	14.5	22.0
10 18	3 45.83	+18 24.1	1.945	2.829	11.2	21.8
10 28	3 38.32	+17 48.8	1.902	2.848	7.4	21.6
11 7	3 29.31	+17 8.1	1.885	2.867	3.3	21.4
11 17	3 19.72	+16 25.0	1.897	2.885	1.2	21.3
11 27	3 10.62	+15 44.0	1.940	2.903	5.2	21.6
12 7	3 2.94	+15 9.2	2.010	2.920	9.0	21.8
12 17	2 57.32	+14 43.9	2.106	2.936	12.2	22.1

199388 2006 BA_{252} 11 15.0 208.°70 0.°8/14.4 17

10 8	3 46.35	+17 16.6	2.539	3.336	11.9	21.8
10 18	3 41.91	+16 55.5	2.449	3.333	9.2	21.6
10 28	3 35.67	+16 28.9	2.383	3.330	6.1	21.4
11 7	3 28.13	+15 58.6	2.345	3.326	2.8	21.2
11 17	3 19.99	+15 27.0	2.336	3.323	1.3	21.0
11 27	3 12.06	+14 57.1	2.357	3.319	4.6	21.3
12 7	3 5.10	+14 32.2	2.408	3.315	7.8	21.5
12 17	2 59.71	+14 14.6	2.485	3.311	10.7	21.7

291960 2006 QM_{51} 11 15.0 63.°35 1.°5/14.2 17

10 8	3 51.38	+19 14.2	1.262	2.092	19.7	20.4
10 18	3 47.16	+18 20.3	1.209	2.111	15.3	20.2
10 28	3 39.70	+17 13.9	1.175	2.129	10.1	19.9
11 7	3 30.02	+15 59.6	1.165	2.148	4.5	19.7
11 17	3 19.56	+14 44.5	1.180	2.167	2.2	19.6
11 27	3 9.94	+13 37.1	1.222	2.186	7.4	20.0
12 7	3 2.46	+12 44.5	1.289	2.205	12.3	20.3
12 17	2 57.89	+12 10.8	1.378	2.225	16.5	20.6

378159 2006 VB_{170} 11 15.0 263.°42 0.°9/14.6 18

10 8	3 51.63	+17 26.0	1.600	2.415	16.9	21.2
10 18	3 47.31	+17 17.6	1.510	2.403	13.3	21.0
10 28	3 39.98	+17 2.1	1.441	2.391	9.0	20.7
11 7	3 30.32	+16 40.7	1.396	2.378	4.1	20.4
11 17	3 19.43	+16 16.1	1.378	2.366	1.5	20.2
11 27	3 8.73	+15 52.7	1.389	2.353	6.6	20.5
12 7	2 59.62	+15 35.3	1.425	2.340	11.4	20.7
12 17	2 53.10	+15 27.8	1.485	2.327	15.7	21.0

73688 1990 VA_5 11 15.0 350°.80 4°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.03	+13 18.8	1.248	2.101	18.5	18.9
10 18	3 40.25	+12 25.2	1.177	2.091	14.5	18.7
10 28	3 35.41	+11 24.2	1.125	2.083	9.8	18.4
11 7	3 28.25	+10 21.9	1.095	2.076	5.3	18.1
11 17	3 19.96	+ 9 25.6	1.090	2.071	4.7	18.1
11 27	3 12.05	+ 8 43.3	1.109	2.067	8.9	18.3
12 7	3 5.90	+ 8 20.4	1.152	2.065	13.7	18.6
12 17	3 2.47	+ 8 19.3	1.214	2.064	18.0	18.8

116739 2004 DX_{41} 11 15.0 224°.15 4°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.10	+29 38.9	1.650	2.433	17.8	20.0
10 18	3 48.58	+29 57.6	1.564	2.429	14.6	19.8
10 28	3 40.87	+30 0.2	1.498	2.426	10.7	19.6
11 7	3 30.72	+29 44.1	1.455	2.422	6.7	19.3
11 17	3 19.34	+29 8.9	1.439	2.418	4.3	19.2
11 27	3 8.30	+28 18.3	1.450	2.414	6.5	19.3
12 7	2 59.07	+27 19.6	1.488	2.410	10.6	19.5
12 17	2 52.66	+26 21.1	1.550	2.405	14.5	19.8

455515 2003 WL_{145} 11 15.0 354°.96 2°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.81	+11 0.7	2.113	2.920	13.6	20.3
10 18	3 44.94	+11 13.0	2.030	2.918	10.6	20.1
10 28	3 37.87	+11 25.9	1.970	2.917	7.2	19.9
11 7	3 29.20	+11 40.8	1.936	2.916	3.6	19.7
11 17	3 19.74	+11 59.2	1.932	2.915	2.5	19.6
11 27	3 10.51	+12 22.4	1.957	2.915	5.7	19.8
12 7	3 2.45	+12 51.7	2.010	2.914	9.3	20.1
12 17	2 56.30	+13 27.6	2.089	2.915	12.5	20.3

329877 2005 BO_{23} 11 15.0 326°.20 4°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.53	+ 5 13.6	2.212	3.025	12.9	20.6
10 18	3 41.46	+ 4 35.5	2.133	3.021	10.2	20.4
10 28	3 35.45	+ 3 59.6	2.078	3.017	7.4	20.2
11 7	3 28.06	+ 3 29.9	2.048	3.013	5.2	20.1
11 17	3 20.03	+ 3 10.2	2.047	3.009	5.2	20.1
11 27	3 12.24	+ 3 3.8	2.074	3.006	7.4	20.2
12 7	3 5.51	+ 3 12.1	2.127	3.003	10.3	20.4
12 17	3 0.46	+ 3 35.2	2.205	2.999	13.0	20.6

325502 2009 RK_{43} 11 15.0 60°.12 4°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.73	+31 2.6	2.072	2.837	15.2	20.5
10 18	3 45.94	+31 31.6	1.999	2.851	12.4	20.3
10 28	3 38.64	+31 46.9	1.947	2.864	9.3	20.1
11 7	3 29.55	+31 46.3	1.919	2.878	6.1	20.0
11 17	3 19.67	+31 29.6	1.920	2.892	4.3	19.9
11 27	3 10.19	+30 59.4	1.948	2.906	5.7	20.0
12 7	3 2.19	+30 20.7	2.005	2.920	8.6	20.2
12 17	2 56.42	+29 39.3	2.087	2.935	11.6	20.4

220670 2004 RF_{200} 11 15.0 18°.47 4°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.39	+15 42.1	1.452	2.292	17.0	19.1
10 18	3 39.80	+13 39.3	1.394	2.303	13.1	18.9
10 28	3 34.62	+11 25.4	1.359	2.315	8.8	18.7
11 7	3 27.71	+ 9 9.6	1.349	2.328	5.0	18.5
11 17	3 20.15	+ 7 2.8	1.367	2.343	5.1	18.6
11 27	3 13.18	+ 5 15.3	1.412	2.359	8.7	18.8
12 7	3 7.82	+ 3 54.0	1.482	2.376	12.7	19.1
12 17	3 4.73	+ 3 1.0	1.574	2.393	16.1	19.4

107172 2001 BM_{23} 11 15.0 269°.48 0°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.25	+18 40.3	1.447	2.268	18.1	19.8
10 18	3 47.12	+18 23.0	1.370	2.266	14.2	19.6
10 28	3 39.86	+17 56.1	1.314	2.265	9.5	19.3
11 7	3 30.24	+17 21.4	1.281	2.264	4.3	19.0
11 17	3 19.49	+16 42.6	1.275	2.263	1.5	18.8
11 27	3 9.16	+16 5.2	1.296	2.261	6.8	19.1
12 7	3 0.65	+15 35.0	1.342	2.260	11.8	19.4
12 17	2 54.93	+15 16.8	1.411	2.259	16.1	19.7

223214 2003 BX_{65} 11 15.0 322°.13 1°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.02	+16 48.5	1.335	2.172	18.5	20.8
10 18	3 44.20	+16 24.2	1.252	2.158	14.5	20.5
10 28	3 38.15	+15 50.9	1.189	2.144	9.8	20.2
11 7	3 29.56	+15 11.3	1.148	2.131	4.5	19.8
11 17	3 19.64	+14 30.1	1.132	2.119	2.4	19.7
11 27	3 9.97	+13 53.6	1.142	2.107	7.6	20.0
12 7	3 2.07	+13 27.9	1.176	2.096	12.9	20.2
12 17	2 57.02	+13 17.4	1.232	2.086	17.5	20.5

337230 2000 GR_{47} 11 15.0 129°.92 2°.9/13.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.37	+13 55.4	2.003	2.808	14.4	21.5
10 18	3 45.98	+12 50.6	1.936	2.824	11.1	21.3
10 28	3 38.39	+11 40.4	1.893	2.840	7.4	21.1
11 7	3 29.35	+10 29.1	1.877	2.855	3.9	20.9
11 17	3 19.75	+ 9 22.0	1.891	2.870	3.4	20.9
11 27	3 10.65	+ 8 24.7	1.934	2.883	6.6	21.1
12 7	3 2.93	+ 7 41.2	2.006	2.896	10.0	21.4
12 17	2 57.24	+ 7 13.8	2.102	2.908	13.1	21.6

512439 2016 QJ_3 11 15.0 74°.21 2°.4/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.90	+15 16.5	1.415	2.238	18.3	21.0
10 18	3 47.97	+14 42.4	1.361	2.259	14.1	20.8
10 28	3 40.09	+14 2.1	1.328	2.280	9.4	20.6
11 7	3 30.18	+13 19.4	1.319	2.301	4.4	20.4
11 17	3 19.55	+12 39.3	1.337	2.321	2.9	20.4
11 27	3 9.66	+12 7.3	1.382	2.342	7.2	20.7
12 7	3 1.73	+11 47.7	1.452	2.362	11.7	21.0
12 17	2 56.51	+11 42.7	1.546	2.383	15.5	21.3

207295 2005 GH_{35} 11 15.0 254°.03 7°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.34	+37 2.2	2.043	2.779	16.3	20.3
10 18	3 49.41	+37 55.4	1.946	2.769	13.9	20.2
10 28	3 41.43	+38 32.8	1.869	2.758	11.2	20.0
11 7	3 31.02	+38 49.6	1.814	2.748	8.6	19.8
11 17	3 19.28	+38 42.5	1.786	2.737	7.1	19.7
11 27	3 7.66	+38 12.2	1.786	2.726	7.8	19.7
12 7	2 57.60	+37 23.8	1.812	2.715	10.2	19.8
12 17	2 50.18	+36 25.1	1.863	2.703	13.1	20.0

192975 2000 DC_{33} 11 15.0 303°.03 3°.3/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.48	+28 54.8	2.196	2.971	14.2	20.4
10 18	3 43.44	+29 6.2	2.098	2.959	11.5	20.2
10 28	3 37.05	+29 5.2	2.021	2.948	8.4	20.0
11 7	3 28.89	+28 50.7	1.970	2.937	5.2	19.7
11 17	3 19.83	+28 22.6	1.946	2.926	3.3	19.6
11 27	3 10.94	+27 43.7	1.951	2.915	5.1	19.7
12 7	3 3.26	+26 58.8	1.985	2.904	8.5	19.9
12 17	2 57.60	+26 13.3	2.044	2.893	11.7	20.1

199170 2005 YK_{202} 11 15.0 170°.84 2°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.17	+28 54.1	3.060	3.813	11.0	21.4
10 18	3 43.09	+28 48.4	2.967	3.817	8.9	21.3
10 28	3 36.33	+28 32.6	2.898	3.820	6.4	21.1
11 7	3 28.41	+28 6.5	2.857	3.823	3.8	20.9
11 17	3 19.97	+27 30.9	2.845	3.825	2.3	20.8
11 27	3 11.77	+26 48.3	2.865	3.827	3.8	21.0
12 7	3 4.50	+26 2.2	2.915	3.828	6.3	21.1
12 17	2 58.71	+25 16.5	2.993	3.829	8.8	21.3

12418 Tongling 11 15.0 158°.57 2°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.68	+25 3.8	2.555	3.326	12.5	19.2
10 18	3 45.37	+25 22.9	2.468	3.331	10.0	19.0
10 28	3 38.04	+25 33.7	2.404	3.335	7.0	18.8
11 7	3 29.25	+25 35.6	2.366	3.339	3.9	18.6
11 17	3 19.77	+25 28.6	2.359	3.342	2.0	18.5
11 27	3 10.50	+25 14.7	2.382	3.346	4.3	18.7
12 7	3 2.33	+24 56.9	2.434	3.349	7.4	18.9
12 17	2 55.91	+24 38.9	2.514	3.351	10.2	19.1

358164 2006 RN_{95} 11 15.0 88°.64 5°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.71	+32 9.0	1.982	2.739	16.1	20.3
10 18	3 49.38	+33 4.1	1.903	2.747	13.3	20.2
10 28	3 41.18	+33 45.6	1.845	2.755	10.2	20.0
11 7	3 30.82	+34 9.8	1.811	2.762	7.1	19.8
11 17	3 19.39	+34 14.6	1.805	2.770	5.5	19.7
11 27	3 8.27	+34 1.2	1.826	2.778	6.7	19.8
12 7	2 58.75	+33 34.4	1.876	2.785	9.5	20.0
12 17	2 51.75	+33 0.8	1.950	2.793	12.5	20.2

209782 2005 GN_6 11 15.0 197°.82 2°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.70	+25 26.9	2.400	3.167	13.3	21.5
10 18	3 47.97	+25 54.5	2.304	3.164	10.7	21.3
10 28	3 39.95	+26 13.7	2.231	3.160	7.6	21.1
11 7	3 30.19	+26 23.0	2.185	3.156	4.3	20.9
11 17	3 19.55	+26 22.0	2.169	3.151	2.4	20.7
11 27	3 9.07	+26 12.1	2.183	3.146	4.7	20.9
12 7	2 59.75	+25 56.7	2.227	3.140	8.0	21.1
12 17	2 52.38	+25 40.0	2.298	3.134	11.1	21.3

160000 2006 GN_{18} 11 15.0 321°.90 3°.4/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.24	+11 56.6	2.012	2.833	13.7	20.5
10 18	3 40.75	+11 1.9	1.927	2.824	10.7	20.3
10 28	3 35.14	+10 2.8	1.865	2.815	7.3	20.0
11 7	3 27.99	+ 9 3.6	1.829	2.806	4.2	19.8
11 17	3 20.11	+ 8 9.2	1.821	2.798	3.9	19.8
11 27	3 12.46	+ 7 24.9	1.841	2.790	6.9	20.0
12 7	3 5.96	+ 6 54.4	1.888	2.782	10.4	20.2
12 17	3 1.30	+ 6 39.9	1.959	2.775	13.6	20.4

47125 1999 CM_{100} 11 15.0 331°.33 1°.0/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.86	+16 59.1	1.891	2.709	14.6	18.5
10 18	3 41.55	+16 46.8	1.799	2.694	11.4	18.2
10 28	3 35.88	+16 28.4	1.728	2.679	7.7	18.0
11 7	3 28.41	+16 5.7	1.683	2.666	3.5	17.7
11 17	3 20.01	+15 41.3	1.665	2.652	1.5	17.5
11 27	3 11.77	+15 19.1	1.676	2.640	5.7	17.8
12 7	3 4.75	+15 2.8	1.713	2.628	9.8	18.0
12 17	2 59.77	+14 55.7	1.774	2.617	13.5	18.2

410880 2009 SZ_{42} 11 15.0 0°.57 3°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.96	+27 15.9	1.834	2.627	15.9	20.9
10 18	3 43.37	+27 31.4	1.752	2.625	12.8	20.7
10 28	3 37.15	+27 34.0	1.690	2.625	9.2	20.4
11 7	3 28.99	+27 22.6	1.653	2.625	5.4	20.2
11 17	3 19.88	+26 57.7	1.643	2.625	3.1	20.1
11 27	3 11.08	+26 22.6	1.660	2.626	5.5	20.2
12 7	3 3.74	+25 42.7	1.705	2.628	9.3	20.5
12 17	2 58.71	+25 3.9	1.773	2.630	12.9	20.7

486380 2013 EF_{18} 11 15.0 274°.72 5°.2/11.6 18

10 8	3 46.60	+ 7 5.7	1.983	2.801	14.0	21.2
10 18	3 42.64	+ 6 4.3	1.895	2.787	11.1	21.0
10 28	3 36.46	+ 5 1.7	1.829	2.772	8.0	20.8
11 7	3 28.63	+ 4 3.2	1.789	2.757	5.5	20.6
11 17	3 19.97	+ 3 14.3	1.777	2.742	5.7	20.6
11 27	3 11.50	+ 2 40.4	1.793	2.727	8.3	20.7
12 7	3 4.18	+ 2 24.5	1.836	2.711	11.6	20.9
12 17	2 58.77	+ 2 27.6	1.900	2.696	14.7	21.1

480934 2003 LX_5 11 15.0 283°.27 0°.2/15.1 17 C

10 8	3 51.95	+20 27.5	2.569	3.348	12.3	22.9
10 18	3 46.69	+20 14.2	2.432	3.304	9.8	22.7
10 28	3 39.22	+19 53.1	2.319	3.259	6.7	22.4
11 7	3 29.96	+19 24.4	2.233	3.213	3.1	22.1
11 17	3 19.61	+18 49.6	2.178	3.166	0.8	21.8
11 27	3 9.10	+18 11.4	2.155	3.118	4.7	22.0
12 7	2 59.42	+17 33.8	2.162	3.069	8.5	22.2
12 17	2 51.41	+17 1.0	2.196	3.019	12.0	22.3

457973 2009 VV_{94} 11 15.0 138°.61 1°.5/16.3 18

10 8	3 46.67	+25 59.6	2.502	3.279	12.6	20.9
10 18	3 42.26	+25 39.9	2.415	3.283	10.0	20.7
10 28	3 35.95	+25 9.2	2.351	3.286	6.9	20.6
11 7	3 28.30	+24 28.3	2.314	3.289	3.7	20.4
11 17	3 20.08	+23 38.9	2.307	3.293	1.6	20.2
11 27	3 12.14	+22 44.8	2.330	3.296	4.1	20.4
12 7	3 5.29	+21 50.5	2.382	3.299	7.4	20.6
12 17	3 0.14	+21 0.4	2.460	3.302	10.3	20.8

124014 2001 FS_{101} 11 15.0 190°.91 0°.9/14.3 18

10 8	3 45.92	+18 10.6	2.543	3.340	11.9	20.2
10 18	3 41.57	+17 33.9	2.455	3.339	9.2	20.0
10 28	3 35.45	+16 50.5	2.391	3.338	6.1	19.8
11 7	3 28.07	+16 2.5	2.355	3.337	2.8	19.6
11 17	3 20.13	+15 12.8	2.349	3.335	1.3	19.5
11 27	3 12.44	+14 25.4	2.373	3.333	4.6	19.7
12 7	3 5.72	+13 43.9	2.426	3.332	7.8	19.9
12 17	3 0.57	+13 11.2	2.505	3.329	10.7	20.1

230988 2005 CJ_4 11 15.0 340°.58 10°.2/ 8.6 18

10 8	3 43.57	− 6 3.4	1.781	2.597	15.4	19.3
10 18	3 40.46	− 7 22.2	1.713	2.585	13.2	19.1
10 28	3 35.05	− 8 30.4	1.666	2.574	11.2	19.0
11 7	3 27.99	− 9 20.0	1.642	2.563	10.2	18.9
11 17	3 20.14	− 9 44.4	1.642	2.554	10.8	18.9
11 27	3 12.57	− 9 39.5	1.667	2.545	12.5	19.0
12 7	3 6.25	− 9 5.3	1.713	2.537	14.9	19.1
12 17	3 1.91	− 8 4.9	1.779	2.530	17.2	19.3

267638 2002 SF_{29} 11 15.0 12°.55 5°.0/16.7 18

10 8	3 51.81	+26 14.1	1.167	1.989	21.5	19.7
10 18	3 48.62	+27 17.6	1.101	1.991	17.4	19.4
10 28	3 41.47	+28 7.9	1.054	1.994	12.7	19.2
11 7	3 31.19	+28 40.2	1.027	1.999	7.7	18.9
11 17	3 19.34	+28 51.6	1.023	2.004	5.0	18.8
11 27	3 7.98	+28 44.1	1.045	2.011	7.9	19.0
12 7	2 59.00	+28 24.7	1.089	2.018	12.7	19.3
12 17	2 53.62	+28 1.9	1.155	2.026	17.2	19.6

136474 2005 GX_{27} 11 15.0 64°.38 4°.8/17.7 18

10 8	3 55.27	+30 47.4	1.754	2.525	17.4	19.1
10 18	3 49.76	+31 27.5	1.695	2.550	14.1	19.0
10 28	3 41.32	+31 52.1	1.656	2.575	10.5	18.8
11 7	3 30.81	+31 58.2	1.641	2.601	6.9	18.7
11 17	3 19.48	+31 45.3	1.653	2.626	4.9	18.6
11 27	3 8.78	+31 16.5	1.693	2.651	6.4	18.8
12 7	2 59.96	+30 38.0	1.761	2.677	9.6	19.0
12 17	2 53.83	+29 56.7	1.852	2.702	12.8	19.3

474664 2005 AC_{17} 11 15.0 357°.47 6°.7/12.3 18

10 8	3 45.05	+ 6 17.4	1.236	2.087	18.8	19.9
10 18	3 42.53	+ 5 29.4	1.172	2.082	15.0	19.7
10 28	3 36.90	+ 4 43.7	1.128	2.079	10.8	19.4
11 7	3 28.95	+ 4 7.6	1.105	2.077	7.4	19.2
11 17	3 19.92	+ 3 47.9	1.106	2.076	7.2	19.2
11 27	3 11.33	+ 3 49.9	1.131	2.077	10.6	19.4
12 7	3 4.56	+ 4 15.0	1.179	2.079	14.7	19.7
12 17	3 0.54	+ 5 1.8	1.246	2.082	18.6	19.9

381357 2008 DP_{31} 11 15.0 157°.43 1°.5/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.16	+23 23.3	1.922	2.707	15.6	22.1
10 18	3 49.42	+23 28.0	1.842	2.715	12.3	21.9
10 28	3 41.03	+23 22.4	1.783	2.722	8.5	21.7
11 7	3 30.71	+23 6.2	1.751	2.728	4.3	21.5
11 17	3 19.50	+22 40.4	1.747	2.733	1.6	21.3
11 27	3 8.69	+22 8.6	1.772	2.738	5.2	21.6
12 7	2 59.43	+21 35.8	1.827	2.742	9.3	21.8
12 17	2 52.54	+21 6.8	1.906	2.746	12.9	22.1

97346 2000 AF_{10} 11 15.0 158°.83 0°.6/15.4 18

10 8	3 53.52	+19 56.9	2.172	2.959	14.0	18.6
10 18	3 47.85	+20 12.7	2.088	2.964	11.0	18.4
10 28	3 39.85	+20 22.4	2.028	2.969	7.4	18.2
11 7	3 30.15	+20 25.9	1.994	2.974	3.5	18.0
11 17	3 19.65	+20 23.9	1.990	2.978	0.9	17.8
11 27	3 9.43	+20 18.4	2.016	2.981	4.8	18.1
12 7	3 0.49	+20 12.5	2.072	2.985	8.5	18.3
12 17	2 53.59	+20 9.3	2.153	2.987	11.8	18.6

411549 2011 CV_{30} 11 15.0 7°.95 4°.1/17.9 17

10 8	3 48.32	+31 38.3	2.158	2.923	14.7	21.0
10 18	3 44.11	+31 52.4	2.072	2.923	12.1	20.8
10 28	3 37.49	+31 52.3	2.006	2.924	9.0	20.6
11 7	3 29.12	+31 36.2	1.965	2.924	6.0	20.5
11 17	3 19.92	+31 4.2	1.952	2.925	4.1	20.4
11 27	3 11.01	+30 19.3	1.967	2.926	5.5	20.4
12 7	3 3.44	+29 26.7	2.010	2.928	8.5	20.6
12 17	2 57.98	+28 32.4	2.078	2.929	11.5	20.8

282700 2006 BS_{43} 11 15.0 252°.64 3°.5/17.6 18

10 8	3 49.15	+30 53.9	2.638	3.390	12.6	21.4
10 18	3 44.41	+31 6.9	2.530	3.375	10.4	21.2
10 28	3 37.58	+31 8.2	2.444	3.359	7.7	21.0
11 7	3 29.15	+30 56.4	2.384	3.343	5.1	20.8
11 17	3 19.90	+30 31.3	2.353	3.327	3.5	20.7
11 27	3 10.76	+29 54.8	2.352	3.310	4.8	20.8
12 7	3 2.64	+29 10.9	2.379	3.293	7.6	20.9
12 17	2 56.29	+28 24.4	2.434	3.276	10.4	21.1

346646 2008 XN_{35} 11 15.0 259°.21 1°.0/14.6 18

10 8	3 52.55	+15 31.0	1.948	2.750	14.8	21.1
10 18	3 47.55	+15 37.0	1.849	2.735	11.6	20.8
10 28	3 39.96	+15 39.6	1.771	2.718	7.9	20.6
11 7	3 30.34	+15 39.7	1.720	2.702	3.6	20.3
11 17	3 19.60	+15 38.8	1.697	2.684	1.5	20.1
11 27	3 8.94	+15 39.3	1.704	2.667	5.8	20.3
12 7	2 59.54	+15 44.1	1.739	2.649	10.1	20.6
12 17	2 52.31	+15 55.7	1.799	2.631	13.9	20.8

46671 1996 NW_3 11 15.0 94°.03 0°.1/15.1 18

10 8	3 47.30	+19 58.2	2.508	3.299	12.2	20.3
10 18	3 42.59	+19 43.3	2.436	3.315	9.5	20.2
10 28	3 36.08	+19 21.7	2.387	3.331	6.3	20.0
11 7	3 28.35	+18 54.9	2.365	3.346	2.9	19.8
11 17	3 20.13	+18 24.8	2.374	3.362	0.7	19.6
11 27	3 12.24	+17 54.5	2.413	3.377	4.2	19.9
12 7	3 5.42	+17 27.2	2.480	3.392	7.4	20.2
12 17	3 0.23	+17 5.7	2.575	3.407	10.2	20.4

181273 2005 XY_1 11 15.0 272°.91 0°.6/15.4 18

10 8	3 48.57	+21 18.5	2.054	2.852	14.3	20.7
10 18	3 44.20	+21 14.3	1.969	2.851	11.2	20.5
10 28	3 37.51	+21 1.6	1.905	2.849	7.6	20.3
11 7	3 29.13	+20 41.0	1.867	2.848	3.6	20.1
11 17	3 19.94	+20 14.4	1.858	2.846	0.9	19.9
11 27	3 11.01	+19 45.1	1.878	2.845	4.9	20.2
12 7	3 3.36	+19 17.2	1.926	2.843	8.8	20.4
12 17	2 57.72	+18 54.7	1.999	2.842	12.2	20.6

374780 2006 TY_{10} 11 15.0 63°.74 4°.5/11.9 16

10 8	3 51.31	+18 3.1	1.277	2.107	19.5	19.7
10 18	3 46.87	+15 29.9	1.224	2.128	14.9	19.5
10 28	3 39.36	+12 41.0	1.195	2.149	9.9	19.3
11 7	3 29.88	+ 9 48.2	1.191	2.170	5.4	19.1
11 17	3 19.81	+ 7 6.0	1.215	2.191	5.4	19.2
11 27	3 10.68	+ 4 48.2	1.267	2.213	9.6	19.5
12 7	3 3.64	+ 3 3.4	1.344	2.234	14.0	19.8
12 17	2 59.38	+ 1 53.8	1.443	2.255	17.7	20.1

59180 1999 AP_{12} 11 15.0 226°.18 0°.4/15.3 18 R

10 8	3 51.47	+21 7.2	1.909	2.706	15.2	20.8
10 18	3 46.71	+20 53.7	1.816	2.698	12.0	20.6
10 28	3 39.34	+20 30.4	1.745	2.690	8.2	20.3
11 7	3 30.03	+19 58.0	1.700	2.681	3.8	20.0
11 17	3 19.72	+19 18.9	1.683	2.671	0.9	19.8
11 27	3 9.65	+18 37.3	1.695	2.661	5.4	20.1
12 7	3 0.96	+17 58.3	1.735	2.651	9.8	20.4
12 17	2 54.53	+17 26.8	1.800	2.640	13.5	20.6

325932 2010 VK_{20} 11 15.0 13°.36 2°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.73	+28 53.1	1.886	2.672	15.8	20.4
10 18	3 43.04	+28 33.0	1.804	2.674	12.7	20.2
10 28	3 36.83	+27 56.7	1.743	2.676	9.1	20.0
11 7	3 28.83	+27 4.1	1.707	2.679	5.2	19.7
11 17	3 20.04	+25 57.8	1.698	2.682	2.7	19.6
11 27	3 11.65	+24 43.0	1.718	2.685	5.2	19.8
12 7	3 4.74	+23 26.9	1.766	2.689	9.0	20.0
12 17	3 0.05	+22 16.4	1.838	2.693	12.6	20.2

121893 2000 DM_{25} 11 15.0 154°.44 5°.8/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.41	+39 58.8	2.816	3.518	13.0	19.8
10 18	3 46.13	+40 27.6	2.727	3.523	11.1	19.7
10 28	3 38.66	+40 41.3	2.658	3.528	9.0	19.6
11 7	3 29.62	+40 37.4	2.614	3.532	7.0	19.4
11 17	3 19.84	+40 14.8	2.597	3.536	5.9	19.4
11 27	3 10.34	+39 35.1	2.609	3.540	6.2	19.4
12 7	3 2.05	+38 42.3	2.650	3.544	7.7	19.5
12 17	2 55.68	+37 41.9	2.717	3.547	9.8	19.7

168335 1994 PW_{24} 11 15.1 67°.30 2°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.26	+24 39.3	1.659	2.457	17.1	20.2
10 18	3 47.39	+24 41.6	1.598	2.477	13.5	20.0
10 28	3 39.72	+24 31.2	1.557	2.497	9.3	19.8
11 7	3 30.11	+24 8.2	1.541	2.518	4.9	19.6
11 17	3 19.76	+23 34.5	1.552	2.538	2.0	19.4
11 27	3 10.01	+22 54.5	1.591	2.558	5.5	19.7
12 7	3 2.04	+22 14.3	1.657	2.579	9.7	20.0
12 17	2 56.62	+21 39.3	1.748	2.599	13.3	20.3

151381 2002 EY_{49} 11 15.1 81°.01 4°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.05	+ 6 46.1	2.115	2.930	13.3	20.1
10 18	3 41.86	+ 5 46.2	2.048	2.938	10.5	20.0
10 28	3 35.72	+ 4 46.8	2.005	2.946	7.5	19.8
11 7	3 28.24	+ 3 52.8	1.988	2.954	5.2	19.7
11 17	3 20.20	+ 3 9.2	1.999	2.962	5.3	19.7
11 27	3 12.51	+ 2 39.8	2.039	2.970	7.6	19.9
12 7	3 5.98	+ 2 26.9	2.105	2.978	10.5	20.1
12 17	3 1.19	+ 2 30.7	2.195	2.986	13.1	20.2

378599 2008 EP_{88} 11 15.1 211°.86 0°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.38	+20 53.9	1.698	2.498	16.7	21.1
10 18	3 49.32	+21 4.6	1.611	2.494	13.2	20.9
10 28	3 41.30	+21 6.9	1.546	2.490	9.1	20.6
11 7	3 30.99	+21 0.3	1.505	2.485	4.4	20.3
11 17	3 19.51	+20 45.7	1.491	2.479	1.2	20.1
11 27	3 8.30	+20 26.4	1.507	2.474	5.9	20.4
12 7	2 58.70	+20 7.1	1.550	2.468	10.5	20.7
12 17	2 51.70	+19 52.7	1.617	2.461	14.6	20.9

71575 2000 DC_{50} 11 15.1 19°.08 0°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.75	+17 23.3	1.720	2.542	15.6	18.7
10 18	3 42.24	+17 8.4	1.652	2.549	12.1	18.5
10 28	3 36.29	+16 46.8	1.605	2.557	8.1	18.2
11 7	3 28.59	+16 20.8	1.584	2.566	3.6	18.0
11 17	3 20.13	+15 53.4	1.589	2.576	1.5	17.9
11 27	3 12.09	+15 28.8	1.622	2.587	5.8	18.2
12 7	3 5.48	+15 11.0	1.681	2.598	9.9	18.4
12 17	3 1.06	+15 2.7	1.764	2.610	13.5	18.7

358284 2006 US_{44} 11 15.1 139°.59 0°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.00	+19 25.9	2.102	2.895	14.2	21.0
10 18	3 46.78	+19 44.3	2.019	2.899	11.1	20.8
10 28	3 39.21	+19 57.2	1.959	2.902	7.5	20.6
11 7	3 29.92	+20 4.3	1.925	2.906	3.5	20.4
11 17	3 19.80	+20 6.4	1.921	2.909	0.9	20.2
11 27	3 9.95	+20 5.3	1.946	2.912	4.9	20.5
12 7	3 1.38	+20 4.1	2.000	2.915	8.7	20.7
12 17	2 54.85	+20 5.7	2.080	2.918	12.0	20.9

430742 2004 HN_{56} 11 15.1 114°.35 10°.2/ 8.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.64	− 5 48.9	1.815	2.615	15.8	21.6
10 18	3 45.56	− 7 38.8	1.771	2.632	13.3	21.5
10 28	3 38.21	− 9 17.3	1.749	2.649	11.2	21.4
11 7	3 29.36	−10 35.5	1.753	2.665	10.3	21.4
11 17	3 19.97	−11 26.7	1.782	2.681	10.8	21.5
11 27	3 11.12	−11 47.3	1.836	2.696	12.5	21.6
12 7	3 3.74	−11 37.9	1.912	2.711	14.6	21.8
12 17	2 58.46	−11 2.0	2.008	2.725	16.6	22.0

522164 2016 AY_{253} 11 15.1 12°.04 3°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.05	+ 8 50.8	2.113	2.929	13.3	21.0
10 18	3 41.98	+ 8 23.1	2.038	2.930	10.4	20.8
10 28	3 35.89	+ 7 55.5	1.986	2.932	7.2	20.7
11 7	3 28.37	+ 7 31.4	1.959	2.933	4.3	20.5
11 17	3 20.20	+ 7 14.3	1.961	2.936	4.0	20.5
11 27	3 12.31	+ 7 7.1	1.992	2.938	6.6	20.6
12 7	3 5.55	+ 7 11.8	2.049	2.941	9.8	20.8
12 17	3 0.57	+ 7 29.1	2.131	2.944	12.7	21.0

400438 2008 DS_{68} 11 15.1 275°.02 4°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.21	+ 8 42.3	2.061	2.877	13.6	21.0
10 18	3 42.29	+ 7 42.0	1.970	2.863	10.7	20.8
10 28	3 36.23	+ 6 39.2	1.903	2.848	7.6	20.6
11 7	3 28.58	+ 5 38.9	1.862	2.833	5.0	20.4
11 17	3 20.14	+ 4 46.2	1.850	2.818	5.0	20.4
11 27	3 11.88	+ 4 6.3	1.865	2.803	7.7	20.5
12 7	3 4.73	+ 3 42.8	1.907	2.788	11.0	20.7
12 17	2 59.41	+ 3 37.1	1.973	2.772	14.1	20.9

289219 2004 XU_{40} 11 15.1 65°.64 6°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.22	+41 32.1	2.219	2.932	15.8	19.7
10 18	3 46.38	+41 31.5	2.140	2.944	13.5	19.6
10 28	3 38.95	+41 9.6	2.080	2.956	10.9	19.4
11 7	3 29.76	+40 24.1	2.044	2.968	8.3	19.3
11 17	3 19.89	+39 15.0	2.034	2.980	6.6	19.2
11 27	3 10.59	+37 46.2	2.052	2.993	6.9	19.3
12 7	3 2.93	+36 5.3	2.098	3.005	8.8	19.4
12 17	2 57.62	+34 20.7	2.171	3.017	11.3	19.6

487473 2014 SL_{166} 11 15.1 64°.45 5°.0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.50	+33 57.8	2.243	2.992	14.7	21.5
10 18	3 45.75	+34 28.4	2.164	3.001	12.2	21.3
10 28	3 38.57	+34 44.3	2.106	3.011	9.4	21.1
11 7	3 29.64	+34 43.4	2.073	3.021	6.6	21.0
11 17	3 19.91	+34 24.8	2.067	3.031	5.0	20.9
11 27	3 10.52	+33 50.8	2.090	3.041	5.9	21.0
12 7	3 2.51	+33 6.3	2.140	3.051	8.4	21.2
12 17	2 56.65	+32 17.3	2.216	3.061	11.1	21.3

272118 2005 LT_{25} 11 15.1 67°.60 2°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.35	+14 34.5	1.348	2.173	19.0	20.8
10 18	3 49.28	+14 17.8	1.297	2.195	14.7	20.6
10 28	3 41.10	+13 56.3	1.265	2.217	9.7	20.4
11 7	3 30.77	+13 33.1	1.257	2.239	4.6	20.1
11 17	3 19.67	+13 12.1	1.276	2.261	2.7	20.1
11 27	3 9.35	+12 57.8	1.322	2.284	7.3	20.4
12 7	3 1.10	+12 53.9	1.393	2.305	11.9	20.8
12 17	2 55.69	+13 2.1	1.486	2.327	15.8	21.1

285853 2001 FG_{181} 11 15.1 84°.14 0°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.57	+19 58.0	1.806	2.610	15.7	21.4
10 18	3 45.86	+19 44.0	1.737	2.623	12.2	21.2
10 28	3 38.64	+19 21.4	1.689	2.636	8.2	21.0
11 7	3 29.65	+18 51.6	1.667	2.649	3.7	20.8
11 17	3 19.94	+18 17.3	1.673	2.662	0.9	20.6
11 27	3 10.69	+17 42.8	1.708	2.674	5.4	20.9
12 7	3 2.96	+17 12.8	1.771	2.687	9.5	21.2
12 17	2 57.50	+16 51.1	1.858	2.699	13.1	21.5

164027 2003 UY_{232} 11 15.1 32°.83 0°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.50	+19 52.0	1.619	2.435	16.7	20.3
10 18	3 44.62	+19 28.7	1.546	2.439	13.0	20.0
10 28	3 38.01	+18 55.2	1.494	2.444	8.7	19.8
11 7	3 29.44	+18 13.7	1.466	2.448	4.0	19.5
11 17	3 19.98	+17 27.7	1.465	2.453	1.1	19.3
11 27	3 10.97	+16 42.7	1.493	2.459	6.0	19.7
12 7	3 3.56	+16 4.3	1.546	2.464	10.5	20.0
12 17	2 58.57	+15 37.0	1.623	2.470	14.4	20.2

99136 2001 FN_{99} 11 15.1 174°.77 5°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.35	+ 5 3.0	2.094	2.902	13.7	20.0
10 18	3 44.51	+ 4 17.3	2.020	2.904	10.9	19.8
10 28	3 37.57	+ 3 33.7	1.968	2.906	7.9	19.6
11 7	3 29.15	+ 2 56.8	1.943	2.907	5.6	19.5
11 17	3 20.06	+ 2 31.0	1.946	2.907	5.6	19.5
11 27	3 11.28	+ 2 19.7	1.978	2.907	7.9	19.7
12 7	3 3.69	+ 2 24.6	2.036	2.907	10.8	19.8
12 17	2 57.96	+ 2 45.6	2.118	2.907	13.6	20.0

190223 2006 DA_{35} 11 15.1 270°.14 3°.4/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.09	+10 23.4	2.346	3.157	12.3	20.5
10 18	3 41.12	+ 9 35.7	2.258	3.148	9.6	20.3
10 28	3 35.29	+ 8 45.7	2.194	3.140	6.6	20.1
11 7	3 28.12	+ 7 56.8	2.157	3.131	4.0	19.9
11 17	3 20.31	+ 7 13.2	2.148	3.122	3.8	19.9
11 27	3 12.69	+ 6 38.9	2.170	3.114	6.3	20.0
12 7	3 6.06	+ 6 16.7	2.218	3.105	9.4	20.2
12 17	3 1.03	+ 6 8.4	2.291	3.096	12.2	20.4

33192 1998 FD_{44} 11 15.1 305°.95 0°.8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.43	+17 56.4	2.028	2.834	14.1	19.0
10 18	3 43.29	+17 34.6	1.943	2.832	11.0	18.8
10 28	3 36.91	+17 5.7	1.882	2.830	7.4	18.6
11 7	3 28.90	+16 31.8	1.846	2.828	3.3	18.3
11 17	3 20.12	+15 55.7	1.839	2.826	1.3	18.2
11 27	3 11.62	+15 21.5	1.860	2.824	5.3	18.4
12 7	3 4.35	+14 53.3	1.910	2.822	9.2	18.7
12 17	2 59.04	+14 34.2	1.984	2.820	12.6	18.9

449279 2013 ED_{49} 11 15.1 213°.19 1°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.64	+24 41.3	2.081	2.867	14.5	21.9
10 18	3 45.10	+24 42.6	1.992	2.866	11.5	21.7
10 28	3 38.18	+24 33.2	1.926	2.864	8.0	21.5
11 7	3 29.50	+24 13.0	1.886	2.862	4.3	21.2
11 17	3 19.98	+23 43.2	1.873	2.859	1.8	21.1
11 27	3 10.73	+23 6.9	1.890	2.857	4.9	21.3
12 7	3 2.77	+22 29.0	1.936	2.855	8.7	21.5
12 17	2 56.89	+21 54.3	2.006	2.852	12.1	21.7

183325 2002 VQ_{51} 11 15.1 45°.81 3°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.44	+13 59.1	1.110	1.953	21.0	19.7
10 18	3 48.17	+13 25.7	1.071	1.979	16.2	19.5
10 28	3 40.48	+12 47.4	1.050	2.006	10.7	19.3
11 7	3 30.50	+12 9.3	1.051	2.033	5.3	19.1
11 17	3 19.80	+11 37.0	1.077	2.061	3.7	19.1
11 27	3 10.10	+11 16.1	1.128	2.089	8.3	19.4
12 7	3 2.75	+11 10.3	1.202	2.118	13.1	19.8
12 17	2 58.49	+11 20.7	1.298	2.147	17.1	20.1

360144 2013 CY_{50} 11 15.1 124°.22 1°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.88	+25 12.8	1.954	2.743	15.2	21.1
10 18	3 45.36	+25 5.5	1.873	2.747	12.1	20.9
10 28	3 38.36	+24 46.1	1.813	2.751	8.4	20.7
11 7	3 29.58	+24 14.6	1.778	2.755	4.4	20.4
11 17	3 19.98	+23 32.8	1.772	2.758	1.8	20.3
11 27	3 10.74	+22 45.0	1.794	2.761	5.0	20.5
12 7	3 2.94	+21 56.5	1.845	2.765	9.0	20.7
12 17	2 57.32	+21 12.9	1.921	2.768	12.5	21.0

427880 2005 SZ_{148} 11 15.1 113°.84 1°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.27	+16 57.7	1.754	2.560	16.0	21.9
10 18	3 47.92	+16 34.0	1.687	2.576	12.4	21.7
10 28	3 39.99	+16 3.4	1.643	2.591	8.3	21.5
11 7	3 30.27	+15 28.5	1.624	2.606	3.8	21.3
11 17	3 19.83	+14 52.8	1.634	2.621	1.8	21.2
11 27	3 9.92	+14 20.6	1.673	2.635	6.0	21.5
12 7	3 1.63	+13 56.3	1.739	2.648	10.1	21.8
12 17	2 55.69	+13 42.8	1.830	2.661	13.7	22.0

202544 2006 DQ_{115} 11 15.1 51°.49 0°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.65	+18 43.6	1.542	2.359	17.3	19.4
10 18	3 46.35	+18 36.7	1.476	2.370	13.5	19.2
10 28	3 39.19	+18 21.7	1.431	2.381	9.0	19.0
11 7	3 29.98	+18 0.0	1.410	2.392	4.1	18.7
11 17	3 19.90	+17 34.5	1.415	2.403	1.1	18.5
11 27	3 10.32	+17 9.6	1.449	2.415	6.1	18.9
12 7	3 2.49	+16 49.9	1.508	2.427	10.6	19.2
12 17	2 57.23	+16 39.3	1.591	2.439	14.5	19.5

49457 1998 YC_{30} 11 15.1 316°.71 8°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.11	+ 0 5.0	1.672	2.496	15.9	18.9
10 18	3 42.65	− 1 10.0	1.597	2.484	13.1	18.7
10 28	3 36.69	− 2 19.8	1.543	2.472	10.3	18.5
11 7	3 28.87	− 3 16.5	1.513	2.461	8.6	18.3
11 17	3 20.15	− 3 53.0	1.509	2.450	9.1	18.3
11 27	3 11.69	− 4 4.1	1.530	2.439	11.4	18.5
12 7	3 4.58	− 3 48.3	1.574	2.429	14.4	18.6
12 17	2 59.64	− 3 7.4	1.638	2.419	17.3	18.8

292952 2006 VM_{108} 11 15.1 31°.15 1°.8/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.15	+25 46.9	1.493	2.305	18.1	20.2
10 18	3 43.76	+25 23.4	1.431	2.318	14.3	20.0
10 28	3 37.48	+24 43.7	1.389	2.333	9.9	19.8
11 7	3 29.19	+23 49.0	1.370	2.348	5.1	19.6
11 17	3 20.11	+22 43.2	1.377	2.365	1.8	19.4
11 27	3 11.64	+21 33.2	1.412	2.381	5.8	19.7
12 7	3 4.98	+20 26.8	1.473	2.399	10.2	20.0
12 17	3 0.90	+19 30.5	1.557	2.417	14.2	20.3

181955 1999 TE_{272} 11 15.1 13°.66 2°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.14	+25 14.7	1.168	1.998	21.0	19.7
10 18	3 45.51	+25 11.1	1.103	2.000	16.7	19.4
10 28	3 39.21	+24 49.5	1.055	2.003	11.7	19.1
11 7	3 30.17	+24 9.7	1.028	2.007	6.1	18.9
11 17	3 19.85	+23 14.8	1.026	2.012	2.4	18.6
11 27	3 10.15	+22 12.0	1.048	2.018	7.0	18.9
12 7	3 2.68	+21 11.1	1.093	2.025	12.3	19.3
12 17	2 58.47	+20 20.3	1.160	2.033	17.1	19.6

175172 2005 EU_{138} 11 15.1 157°.29 0°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.92	+18 34.6	1.857	2.656	15.5	21.9
10 18	3 48.44	+18 12.4	1.780	2.663	12.1	21.7
10 28	3 40.39	+17 42.0	1.724	2.670	8.1	21.5
11 7	3 30.50	+17 5.3	1.695	2.677	3.7	21.2
11 17	3 19.80	+16 25.4	1.694	2.682	1.3	21.1
11 27	3 9.51	+15 46.8	1.724	2.687	5.7	21.4
12 7	3 0.75	+15 14.3	1.781	2.691	9.9	21.6
12 17	2 54.30	+14 51.6	1.863	2.694	13.5	21.9

388207 2006 FN_{33} 11 15.1 167°.56 3°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.53	+27 27.8	2.237	2.999	14.3	22.1
10 18	3 49.61	+28 3.0	2.149	3.003	11.6	22.0
10 28	3 41.19	+28 28.1	2.083	3.007	8.4	21.8
11 7	3 30.90	+28 41.1	2.044	3.010	5.1	21.6
11 17	3 19.69	+28 40.9	2.034	3.013	3.3	21.5
11 27	3 8.71	+28 29.1	2.054	3.015	5.2	21.6
12 7	2 59.07	+28 9.6	2.104	3.016	8.4	21.8
12 17	2 51.60	+27 47.2	2.179	3.017	11.5	22.0

393698 2004 TS_{77} 11 15.1 59°.61 3°.1/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 12.04	+15 10.8	0.991	1.809	24.7	20.2
10 18	4 5.33	+17 31.6	0.928	1.819	19.7	19.9
10 28	3 53.37	+20 0.9	0.882	1.829	13.6	19.6
11 7	3 36.99	+22 29.0	0.860	1.839	6.9	19.3
11 17	3 18.19	+24 42.7	0.864	1.850	3.4	19.1
11 27	2 59.90	+26 33.0	0.895	1.860	9.1	19.5
12 7	2 44.86	+27 59.3	0.952	1.871	15.2	19.9
12 17	2 34.74	+29 8.0	1.029	1.882	20.3	20.2

28696 2000 GU_{87} 11 15.1 76°.08 3°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.43	+10 25.3	1.881	2.691	14.9	17.7
10 18	3 46.17	+10 4.4	1.824	2.714	11.6	17.5
10 28	3 38.66	+ 9 43.1	1.789	2.736	7.8	17.3
11 7	3 29.62	+ 9 24.5	1.781	2.758	4.3	17.1
11 17	3 20.03	+ 9 11.7	1.801	2.780	3.6	17.1
11 27	3 10.95	+ 9 7.7	1.850	2.802	6.6	17.4
12 7	3 3.32	+ 9 14.2	1.926	2.823	10.0	17.6
12 17	2 57.79	+ 9 32.0	2.027	2.845	13.1	17.9

441702 2009 AY 11 15.1 336°.60 1°.9/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.48	+24 11.7	1.414	2.235	18.4	21.2
10 18	3 43.81	+24 10.3	1.331	2.224	14.8	21.0
10 28	3 37.95	+23 54.5	1.266	2.213	10.3	20.7
11 7	3 29.61	+23 24.0	1.225	2.204	5.3	20.4
11 17	3 19.98	+22 40.7	1.208	2.195	2.0	20.2
11 27	3 10.65	+21 50.2	1.217	2.187	6.4	20.4
12 7	3 3.08	+20 59.8	1.252	2.180	11.4	20.7
12 17	2 58.32	+20 16.9	1.308	2.174	15.9	20.9

322482 2011 UN_{239} 11 15.1 103°.62 0°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.57	+21 26.2	1.945	2.746	14.9	20.7
10 18	3 44.26	+21 1.9	1.865	2.750	11.6	20.5
10 28	3 37.59	+20 27.4	1.807	2.753	7.8	20.2
11 7	3 29.23	+19 44.3	1.775	2.756	3.6	20.0
11 17	3 20.11	+18 55.6	1.771	2.760	0.8	19.8
11 27	3 11.35	+18 6.0	1.797	2.763	5.2	20.1
12 7	3 3.96	+17 20.6	1.850	2.766	9.2	20.4
12 17	2 58.66	+16 43.9	1.928	2.769	12.7	20.6

413174 2002 QA_{96} 11 15.1 96°.69 1°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.99	+26 23.6	2.414	3.192	13.0	21.3
10 18	3 42.62	+26 7.1	2.331	3.198	10.3	21.1
10 28	3 36.29	+25 39.4	2.271	3.205	7.2	20.9
11 7	3 28.58	+25 0.8	2.237	3.211	3.9	20.7
11 17	3 20.27	+24 13.3	2.232	3.217	1.8	20.6
11 27	3 12.28	+23 20.6	2.257	3.223	4.2	20.8
12 7	3 5.43	+22 27.3	2.311	3.229	7.5	21.0
12 17	3 0.33	+21 37.9	2.391	3.235	10.5	21.2

209193 2003 UC_{221} 11 15.1 316°.00 2°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.88	+24 21.5	1.509	2.324	17.8	20.0
10 18	3 44.14	+24 22.4	1.410	2.300	14.3	19.7
10 28	3 38.25	+24 9.5	1.331	2.276	10.1	19.4
11 7	3 29.82	+23 42.0	1.275	2.254	5.3	19.0
11 17	3 19.92	+23 1.1	1.244	2.231	2.1	18.8
11 27	3 10.10	+22 11.3	1.240	2.209	6.4	19.0
12 7	3 1.86	+21 19.9	1.261	2.188	11.5	19.2
12 17	2 56.38	+20 34.4	1.304	2.168	16.1	19.4

133514 2003 SJ_{303} 11 15.1 166°.10 4°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.33	+31 54.1	2.245	2.996	14.6	20.5
10 18	3 47.90	+32 7.1	2.157	3.001	12.0	20.3
10 28	3 40.02	+32 5.8	2.091	3.005	8.9	20.1
11 7	3 30.34	+31 48.4	2.051	3.008	5.9	19.9
11 17	3 19.84	+31 14.8	2.038	3.011	4.1	19.8
11 27	3 9.68	+30 27.8	2.056	3.014	5.4	19.9
12 7	3 0.91	+29 32.8	2.102	3.015	8.4	20.1
12 17	2 54.31	+28 36.1	2.174	3.017	11.4	20.3

404771 2014 JO_{43} 11 15.1 124°.87 4°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.96	+ 6 17.4	2.267	3.068	13.0	21.1
10 18	3 45.51	+ 5 55.1	2.199	3.081	10.2	20.9
10 28	3 38.11	+ 5 35.0	2.154	3.093	7.2	20.7
11 7	3 29.38	+ 5 20.3	2.137	3.105	4.6	20.6
11 17	3 20.10	+ 5 13.9	2.149	3.117	4.4	20.6
11 27	3 11.17	+ 5 18.2	2.190	3.129	6.7	20.8
12 7	3 3.41	+ 5 34.1	2.259	3.140	9.5	21.0
12 17	2 57.42	+ 6 1.7	2.354	3.150	12.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
288118 2003 WE_{67}		11 15.1 56°.70 2°.6/16.8 18				
	h m	° ′			°	m
10 8	3 50.42	+28 23.2	1.595	2.389	17.9	20.0
10 18	3 46.14	+27 59.8	1.532	2.407	14.3	19.8
10 28	3 38.98	+27 18.4	1.489	2.425	10.0	19.6
11 7	3 29.85	+26 19.8	1.470	2.444	5.6	19.4
11 17	3 20.00	+25 7.4	1.478	2.463	2.6	19.3
11 27	3 10.83	+23 47.9	1.514	2.482	5.7	19.5
12 7	3 3.50	+22 29.8	1.576	2.501	9.8	19.8
12 17	2 58.77	+21 20.3	1.664	2.520	13.6	20.1
159321 2006 BZ_{267}		11 15.1 259°.59 0°.3/14.9 17				
10 8	3 47.78	+18 13.8	2.322	3.120	12.8	20.0
10 18	3 43.34	+18 9.1	2.232	3.115	10.0	19.8
10 28	3 36.87	+17 58.9	2.164	3.110	6.7	19.5
11 7	3 28.91	+17 44.3	2.124	3.105	3.1	19.3
11 17	3 20.23	+17 26.9	2.112	3.100	0.9	19.1
11 27	3 11.73	+17 9.4	2.130	3.095	4.7	19.4
12 7	3 4.30	+16 55.0	2.177	3.090	8.2	19.6
12 17	2 58.61	+16 46.4	2.250	3.085	11.4	19.8
98234 2000 SA_{152}		11 15.1 357°.50 2°.9/15.9 18 R				
10 8	3 51.27	+22 11.0	1.106	1.941	21.6	18.2
10 18	3 48.39	+22 59.9	1.037	1.938	17.3	17.9
10 28	3 41.50	+23 39.3	0.985	1.935	12.1	17.6
11 7	3 31.40	+24 6.1	0.955	1.934	6.4	17.3
11 17	3 19.61	+24 18.7	0.947	1.933	3.0	17.1
11 27	3 8.21	+24 19.2	0.964	1.934	7.6	17.4
12 7	2 59.16	+24 13.6	1.004	1.936	13.2	17.7
12 17	2 53.73	+24 8.7	1.064	1.939	18.1	18.0
267654 2002 TX_{62}		11 15.1 342°.67 4°.1/16.8 18				
10 8	3 48.83	+26 43.4	1.235	2.056	20.6	20.0
10 18	3 46.25	+27 14.6	1.158	2.048	16.7	19.8
10 28	3 39.94	+27 30.4	1.098	2.041	12.1	19.5
11 7	3 30.66	+27 27.5	1.060	2.034	7.1	19.2
11 17	3 19.79	+27 5.3	1.045	2.029	4.1	19.0
11 27	3 9.25	+26 27.7	1.055	2.024	7.4	19.2
12 7	3 0.83	+25 42.8	1.089	2.020	12.4	19.5
12 17	2 55.77	+24 59.6	1.144	2.018	17.1	19.7
454416 2014 NZ_{54}		11 15.1 35°.76 3°.1/13.6 18				
10 8	3 48.56	+10 24.4	1.844	2.662	14.9	20.4
10 18	3 44.19	+10 12.2	1.778	2.672	11.6	20.2
10 28	3 37.50	+ 9 59.8	1.733	2.682	7.9	20.0
11 7	3 29.19	+ 9 50.2	1.715	2.693	4.3	19.8
11 17	3 20.19	+ 9 46.1	1.724	2.704	3.5	19.8
11 27	3 11.58	+ 9 50.3	1.761	2.715	6.6	20.0
12 7	3 4.34	+10 4.5	1.825	2.727	10.2	20.2
12 17	2 59.17	+10 29.4	1.913	2.739	13.4	20.5
219901 2002 EC_{132}		11 15.1 169°.67 4°.0/12.1 18				
10 8	3 46.03	+ 8 20.8	2.332	3.141	12.4	20.9
10 18	3 41.78	+ 7 26.3	2.254	3.143	9.7	20.7
10 28	3 35.70	+ 6 31.0	2.201	3.144	6.8	20.5
11 7	3 28.33	+ 5 39.0	2.175	3.145	4.5	20.4
11 17	3 20.39	+ 4 54.5	2.178	3.146	4.4	20.4
11 27	3 12.72	+ 4 21.5	2.210	3.146	6.8	20.5
12 7	3 6.08	+ 4 2.5	2.269	3.147	9.6	20.7
12 17	3 1.06	+ 3 58.5	2.353	3.147	12.3	20.9
264455 2000 WL_{26}		11 15.1 349°.38 0°.6/15.4 18				
10 8	3 47.07	+20 53.1	1.763	2.574	15.7	20.2
10 18	3 43.49	+20 52.4	1.680	2.570	12.4	20.0
10 28	3 37.32	+20 42.8	1.619	2.566	8.4	19.8
11 7	3 29.22	+20 24.9	1.582	2.563	4.0	19.5
11 17	3 20.17	+20 0.6	1.572	2.560	1.0	19.3
11 27	3 11.39	+19 33.7	1.590	2.558	5.4	19.6
12 7	3 4.03	+19 8.8	1.635	2.556	9.8	19.8
12 17	2 58.94	+18 50.3	1.703	2.555	13.6	20.1
315811 2008 GR_{64}		11 15.1 160°.56 1°.0/14.5 18				
10 8	3 48.56	+16 51.4	2.189	2.990	13.4	21.2
10 18	3 43.98	+16 36.4	2.106	2.992	10.4	21.0
10 28	3 37.29	+16 16.0	2.046	2.994	6.9	20.8
11 7	3 29.10	+15 52.0	2.013	2.995	3.2	20.5
11 17	3 20.21	+15 26.8	2.009	2.996	1.4	20.4
11 27	3 11.59	+15 3.7	2.035	2.998	5.1	20.7
12 7	3 4.13	+14 45.8	2.089	2.999	8.7	20.9
12 17	2 58.52	+14 36.0	2.169	3.000	11.9	21.1
220935 2005 JM_{68}		11 15.1 142°.23 3°.5/13.1 16				
10 8	3 53.70	+11 0.8	1.931	2.735	14.8	21.8
10 18	3 47.98	+10 19.1	1.862	2.749	11.5	21.7
10 28	3 39.94	+ 9 35.0	1.817	2.761	7.9	21.5
11 7	3 30.27	+ 8 52.6	1.797	2.773	4.4	21.3
11 17	3 19.95	+ 8 16.1	1.807	2.784	3.9	21.3
11 27	3 10.09	+ 7 49.6	1.847	2.795	6.9	21.5
12 7	3 1.66	+ 7 36.1	1.914	2.804	10.5	21.7
12 17	2 55.37	+ 7 36.8	2.005	2.813	13.6	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
127190 2002 GB_{174}		11 15.1 309°.10 1°.4/14.4 18				
	h m	° ′			°	m
10 8	3 49.32	+14 15.1	2.141	2.945	13.6	19.8
10 18	3 44.67	+14 17.9	2.054	2.942	10.6	19.6
10 28	3 37.83	+14 18.2	1.991	2.939	7.1	19.4
11 7	3 29.39	+14 17.5	1.954	2.935	3.3	19.1
11 17	3 20.15	+14 17.5	1.946	2.932	1.8	19.0
11 27	3 11.11	+14 20.2	1.968	2.929	5.3	19.2
12 7	3 3.24	+14 28.1	2.018	2.926	9.0	19.5
12 17	2 57.24	+14 42.8	2.093	2.924	12.3	19.7
382641 2002 RX_{5}		11 15.1 353°.84 23°.7/24.1 18				
10 8	3 34.85	−19 51.1	0.910	1.751	24.7	18.5
10 18	3 35.54	−23 32.3	0.885	1.739	23.8	18.4
10 28	3 32.71	−26 35.5	0.875	1.730	23.7	18.3
11 7	3 27.27	−28 41.5	0.879	1.722	24.4	18.3
11 17	3 20.65	−29 38.3	0.896	1.718	25.6	18.4
11 27	3 14.60	−29 22.8	0.925	1.716	27.1	18.5
12 7	3 10.59	−28 1.6	0.964	1.717	28.6	18.7
12 17	3 9.55	−25 46.2	1.013	1.720	30.0	18.8
16218 Mintakeyes		11 15.1 222°.57 0°.5/14.7 18				
10 8	3 46.72	+17 58.8	2.613	3.407	11.7	19.1
10 18	3 42.28	+17 45.1	2.521	3.402	9.1	18.9
10 28	3 36.04	+17 26.2	2.452	3.397	6.1	18.7
11 7	3 28.51	+17 3.3	2.410	3.392	2.8	18.5
11 17	3 20.36	+16 38.2	2.399	3.386	0.9	18.3
11 27	3 12.39	+16 13.8	2.418	3.381	4.3	18.5
12 7	3 5.36	+15 52.9	2.466	3.375	7.5	18.7
12 17	2 59.85	+15 38.2	2.540	3.369	10.4	18.9
251481 2008 DC_{59}		11 15.1 134°.80 1°.2/15.9 18				
10 8	3 49.49	+23 44.9	2.116	2.904	14.2	21.2
10 18	3 44.86	+23 35.8	2.034	2.909	11.2	21.1
10 28	3 37.95	+23 16.3	1.974	2.914	7.7	20.9
11 7	3 29.43	+22 47.0	1.940	2.918	3.9	20.6
11 17	3 20.17	+22 9.6	1.935	2.922	1.3	20.4
11 27	3 11.24	+21 27.9	1.960	2.926	4.7	20.7
12 7	3 3.60	+20 46.6	2.012	2.930	8.5	20.9
12 17	2 57.97	+20 10.3	2.091	2.934	11.8	21.2
414522 2009 SF_{54}		11 15.1 114°.09 2°.1/16.4 18				
10 8	3 51.13	+24 58.5	2.391	3.165	13.2	21.5
10 18	3 45.91	+25 21.1	2.310	3.175	10.5	21.3
10 28	3 38.57	+25 35.2	2.252	3.184	7.4	21.1
11 7	3 29.69	+25 39.8	2.220	3.193	4.1	20.9
11 17	3 20.11	+25 35.3	2.218	3.201	2.2	20.8
11 27	3 10.80	+25 23.3	2.246	3.210	4.5	21.0
12 7	3 2.66	+25 7.3	2.303	3.218	7.7	21.2
12 17	2 56.38	+24 51.0	2.386	3.227	10.6	21.4
60908 2000 JP_{30}		11 15.1 248°.80 1°.3/15.7 18				
10 8	3 52.18	+22 32.8	1.730	2.530	16.5	19.9
10 18	3 47.69	+22 35.7	1.638	2.520	13.1	19.6
10 28	3 40.30	+22 28.1	1.567	2.510	9.1	19.4
11 7	3 30.67	+22 9.7	1.521	2.500	4.5	19.1
11 17	3 19.86	+21 41.8	1.502	2.490	1.4	18.9
11 27	3 9.26	+21 8.1	1.512	2.480	5.8	19.1
12 7	3 0.19	+20 34.1	1.549	2.469	10.3	19.4
12 17	2 53.64	+20 5.4	1.610	2.458	14.4	19.6
399359 2000 WA_{154}		11 15.1 350°.72 7°.3/20.1 17				
10 8	3 39.74	+37 32.5	1.298	2.094	21.1	19.1
10 18	3 39.24	+37 36.3	1.215	2.079	18.0	18.8
10 28	3 35.24	+37 10.2	1.148	2.066	14.2	18.6
11 7	3 28.49	+36 10.0	1.101	2.055	10.3	18.3
11 17	3 20.38	+34 35.7	1.077	2.046	7.5	18.2
11 27	3 12.70	+32 34.2	1.076	2.039	8.3	18.2
12 7	3 7.08	+30 18.7	1.100	2.035	11.9	18.4
12 17	3 4.58	+28 4.1	1.146	2.032	16.1	18.6
35467 1998 ED		11 15.1 91°.93 2°.9/16.4 18				
10 8	3 57.45	+24 55.9	1.819	2.600	16.5	18.2
10 18	3 51.39	+25 37.8	1.752	2.619	13.2	18.0
10 28	3 42.49	+26 9.6	1.707	2.639	9.3	17.8
11 7	3 31.54	+26 29.1	1.686	2.658	5.2	17.6
11 17	3 19.70	+26 35.4	1.695	2.677	2.9	17.5
11 27	3 8.35	+26 30.6	1.732	2.696	5.6	17.7
12 7	2 58.74	+26 19.0	1.798	2.714	9.4	18.0
12 17	2 51.69	+26 5.8	1.888	2.732	12.8	18.2
310160 2011 QQ_{72}		11 15.1 140°.94 2°.1/16.5 18				
10 8	3 52.25	+26 35.4	2.155	2.929	14.5	21.4
10 18	3 46.95	+26 29.2	2.075	2.939	11.5	21.2
10 28	3 39.32	+26 11.0	2.017	2.949	8.1	21.0
11 7	3 30.04	+25 40.4	1.985	2.958	4.5	20.8
11 17	3 20.06	+24 58.9	1.982	2.967	2.1	20.7
11 27	3 10.47	+24 10.4	2.009	2.975	4.8	20.9
12 7	3 2.27	+23 20.1	2.066	2.983	8.3	21.1
12 17	2 56.15	+22 33.1	2.148	2.990	11.5	21.3

194480 2001 WY_{36} 11 15.1 0°.26 0°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.42	+19 38.0	1.558	2.376	17.2	20.6
10 18	3 45.55	+19 8.0	1.481	2.376	13.5	20.3
10 28	3 38.80	+18 27.0	1.425	2.376	9.0	20.1
11 7	3 29.93	+17 37.4	1.393	2.375	4.1	19.8
11 17	3 20.09	+16 43.4	1.388	2.376	1.3	19.6
11 27	3 10.65	+15 51.1	1.410	2.376	6.3	19.9
12 7	3 2.87	+15 6.8	1.458	2.376	11.0	20.2
12 17	2 57.63	+14 35.3	1.530	2.377	15.1	20.4

28738 Carolinolan 11 15.1 57°.24 4°.2/12.9 18

10 8	3 49.58	+11 40.8	1.443	2.274	17.6	18.4
10 18	3 45.57	+10 46.5	1.382	2.283	13.7	18.2
10 28	3 38.71	+ 9 48.3	1.341	2.293	9.3	18.0
11 7	3 29.83	+ 8 52.0	1.325	2.303	5.3	17.8
11 17	3 20.13	+ 8 3.7	1.335	2.313	4.7	17.8
11 27	3 10.98	+ 7 29.6	1.371	2.323	8.4	18.0
12 7	3 3.59	+ 7 13.4	1.432	2.333	12.5	18.3
12 17	2 58.74	+ 7 16.1	1.515	2.343	16.2	18.5

213988 2004 BZ_{12} 11 15.1 270°.41 2°.5/13.6 18

10 8	3 48.36	+13 35.6	1.992	2.804	14.2	21.1
10 18	3 44.19	+13 2.3	1.896	2.788	11.1	20.9
10 28	3 37.69	+12 24.1	1.822	2.771	7.5	20.7
11 7	3 29.41	+11 44.1	1.775	2.755	3.9	20.4
11 17	3 20.21	+11 6.1	1.755	2.738	3.0	20.3
11 27	3 11.15	+10 34.6	1.765	2.721	6.4	20.5
12 7	3 3.27	+10 13.5	1.802	2.704	10.3	20.7
12 17	2 57.36	+10 5.3	1.863	2.686	13.8	20.9

257752 2000 BZ_{12} 11 15.1 219°.63 11°.7/ 4.9 18

10 8	3 49.24	−18 37.1	2.409	3.151	13.9	21.2
10 18	3 44.31	−20 8.8	2.350	3.143	12.8	21.1
10 28	3 37.43	−21 24.6	2.312	3.134	11.9	21.0
11 7	3 29.17	−22 17.4	2.298	3.124	11.7	21.0
11 17	3 20.28	−22 42.0	2.306	3.114	12.2	21.0
11 27	3 11.65	−22 35.7	2.337	3.104	13.2	21.1
12 7	3 4.10	−21 59.5	2.389	3.093	14.6	21.2
12 17	2 58.26	−20 56.8	2.458	3.081	15.9	21.3

17268 2000 KZ_{50} 11 15.1 77°.86 1°.0/15.7 18

10 8	3 49.35	+23 4.6	1.938	2.734	15.1	18.1
10 18	3 44.88	+22 52.1	1.864	2.744	11.9	17.9
10 28	3 38.03	+22 28.9	1.811	2.754	8.1	17.7
11 7	3 29.49	+21 56.0	1.784	2.763	4.0	17.4
11 17	3 20.22	+21 15.5	1.786	2.773	1.1	17.2
11 27	3 11.36	+20 31.8	1.816	2.783	5.0	17.5
12 7	3 3.92	+19 49.9	1.874	2.793	8.9	17.8
12 17	2 58.61	+19 14.5	1.957	2.803	12.3	18.0

453180 2008 EJ_{64} 11 15.1 311°.33 0°.2/15.2 17

10 8	3 46.69	+21 1.2	1.757	2.569	15.8	21.6
10 18	3 43.33	+20 41.0	1.662	2.552	12.5	21.4
10 28	3 37.34	+20 9.9	1.588	2.536	8.5	21.1
11 7	3 29.32	+19 29.1	1.539	2.521	3.9	20.8
11 17	3 20.23	+18 41.4	1.517	2.505	0.9	20.5
11 27	3 11.32	+17 52.0	1.523	2.490	5.7	20.9
12 7	3 3.78	+17 6.7	1.555	2.475	10.3	21.1
12 17	2 58.51	+16 30.9	1.611	2.461	14.3	21.3

422202 2014 RE_{45} 11 15.1 151°.39 3°.0/12.5 18

10 8	3 45.19	+11 50.1	2.505	3.312	11.8	21.6
10 18	3 41.02	+10 48.2	2.426	3.315	9.1	21.4
10 28	3 35.15	+ 9 42.8	2.372	3.318	6.2	21.3
11 7	3 28.10	+ 8 37.7	2.346	3.321	3.6	21.1
11 17	3 20.55	+ 7 37.2	2.349	3.323	3.4	21.1
11 27	3 13.27	+ 6 45.5	2.382	3.326	5.9	21.3
12 7	3 6.95	+ 6 6.0	2.444	3.328	8.7	21.4
12 17	3 2.13	+ 5 40.3	2.531	3.331	11.3	21.6

86547 2000 DS_{115} 11 15.1 183°.53 1°.5/15.9 18

10 8	3 53.16	+23 45.8	1.794	2.587	16.2	21.1
10 18	3 48.23	+23 44.2	1.710	2.587	12.9	20.9
10 28	3 40.51	+23 31.1	1.647	2.587	8.9	20.7
11 7	3 30.71	+23 6.3	1.609	2.587	4.5	20.4
11 17	3 19.93	+22 31.2	1.599	2.586	1.6	20.2
11 27	3 9.48	+21 50.0	1.618	2.585	5.5	20.5
12 7	3 0.61	+21 8.4	1.664	2.583	9.8	20.7
12 17	2 54.19	+20 32.1	1.736	2.581	13.6	20.9

428484 2007 VS_{125} 11 15.1 45°.66 1°.4/15.8 17

10 8	3 51.52	+24 13.6	1.081	1.914	22.1	20.5
10 18	3 48.07	+23 53.1	1.030	1.930	17.4	20.3
10 28	3 40.81	+23 14.3	0.997	1.948	11.9	20.1
11 7	3 30.88	+22 18.7	0.985	1.966	5.8	19.8
11 17	3 19.94	+21 11.6	0.997	1.985	1.6	19.6
11 27	3 9.95	+20 1.9	1.034	2.004	7.1	20.0
12 7	3 2.45	+18 59.5	1.094	2.024	12.6	20.4
12 17	2 58.32	+18 11.6	1.176	2.044	17.2	20.7

15982 1998 VA_4 11 15.1 253°.59 2°.8/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.21	+11 14.4	1.777	2.585	15.8	18.8
10 18	3 49.10	+11 12.9	1.683	2.571	12.4	18.5
10 28	3 41.19	+11 11.0	1.610	2.557	8.5	18.3
11 7	3 31.11	+11 11.0	1.563	2.542	4.4	18.0
11 17	3 19.83	+11 15.2	1.545	2.527	3.2	17.9
11 27	3 8.66	+11 26.3	1.555	2.512	7.0	18.1
12 7	2 58.88	+11 46.5	1.592	2.496	11.3	18.3
12 17	2 51.46	+12 17.0	1.654	2.480	15.2	18.5

49163 1998 SQ_{56} 11 15.1 125°.83 0°.5/14.8 18

10 8	3 54.14	+18 45.6	1.786	2.586	16.0	19.6
10 18	3 48.67	+18 28.1	1.716	2.600	12.5	19.4
10 28	3 40.59	+18 2.6	1.668	2.614	8.3	19.2
11 7	3 30.66	+17 30.7	1.646	2.627	3.8	18.9
11 17	3 19.98	+16 55.4	1.652	2.640	1.2	18.8
11 27	3 9.80	+16 21.2	1.688	2.652	5.7	19.1
12 7	3 1.23	+15 52.7	1.751	2.663	9.9	19.4
12 17	2 55.03	+15 33.5	1.839	2.674	13.5	19.6

387613 2002 EU_{82} 11 15.1 199°.02 6°.1/18.5 18

10 8	3 56.24	+34 59.1	2.072	2.812	16.0	21.9
10 18	3 50.78	+35 48.7	1.980	2.809	13.5	21.7
10 28	3 42.36	+36 23.6	1.909	2.807	10.6	21.5
11 7	3 31.65	+36 39.3	1.862	2.804	7.8	21.3
11 17	3 19.72	+36 33.3	1.842	2.800	6.2	21.2
11 27	3 7.99	+36 6.7	1.850	2.796	7.1	21.3
12 7	2 57.82	+35 24.5	1.886	2.792	9.7	21.4
12 17	2 50.20	+34 34.1	1.947	2.787	12.6	21.6

167012 2003 QF_9 11 15.1 138°.42 0°.7/14.7 18

10 8	3 50.99	+18 48.1	2.030	2.828	14.4	21.3
10 18	3 45.96	+18 18.9	1.954	2.838	11.2	21.1
10 28	3 38.66	+17 41.8	1.901	2.847	7.5	20.9
11 7	3 29.77	+16 58.9	1.875	2.856	3.4	20.7
11 17	3 20.20	+16 13.3	1.877	2.864	1.2	20.5
11 27	3 11.02	+15 29.6	1.909	2.872	5.3	20.8
12 7	3 3.20	+14 52.2	1.970	2.880	9.1	21.1
12 17	2 57.42	+14 24.6	2.056	2.887	12.4	21.3

404592 2013 MT_2 11 15.1 99°.99 4°.6/11.8 18

10 8	3 46.43	+ 6 6.2	2.366	3.174	12.3	21.3
10 18	3 41.97	+ 5 11.8	2.302	3.187	9.7	21.2
10 28	3 35.77	+ 4 18.7	2.262	3.200	7.0	21.0
11 7	3 28.38	+ 3 31.1	2.249	3.213	4.9	20.9
11 17	3 20.53	+ 2 53.2	2.265	3.226	4.9	20.9
11 27	3 13.00	+ 2 28.2	2.310	3.239	7.0	21.1
12 7	3 6.53	+ 2 17.9	2.382	3.251	9.6	21.3
12 17	3 1.64	+ 2 22.6	2.479	3.264	12.0	21.5

327135 2005 EA_{195} 11 15.1 269°.59 3°.3/13.4 17

10 8	3 49.90	+14 37.7	1.462	2.290	17.6	21.2
10 18	3 46.18	+13 44.3	1.378	2.279	13.8	21.0
10 28	3 39.41	+12 42.1	1.315	2.268	9.4	20.7
11 7	3 30.32	+11 35.8	1.276	2.257	4.8	20.4
11 17	3 20.04	+10 31.8	1.264	2.246	3.8	20.3
11 27	3 10.06	+ 9 37.6	1.278	2.235	8.2	20.5
12 7	3 1.74	+ 8 59.6	1.317	2.224	12.9	20.8
12 17	2 56.08	+ 8 41.2	1.378	2.213	17.2	21.0

117554 2005 EN_{13} 11 15.1 99°.84 0°.5/15.4 18

10 8	3 51.37	+20 51.2	1.892	2.690	15.3	20.4
10 18	3 46.50	+20 48.5	1.818	2.700	12.0	20.2
10 28	3 39.15	+20 37.3	1.766	2.711	8.1	20.0
11 7	3 30.03	+20 18.2	1.740	2.721	3.8	19.7
11 17	3 20.14	+19 53.2	1.743	2.731	0.9	19.5
11 27	3 10.65	+19 25.9	1.774	2.740	5.2	19.9
12 7	3 2.62	+19 0.6	1.833	2.750	9.2	20.1
12 17	2 56.81	+18 41.3	1.917	2.760	12.7	20.4

209974 2006 HZ_{32} 11 15.1 132°.71 0°.3/14.9 17

10 8	3 55.91	+19 45.9	1.697	2.496	16.8	21.5
10 18	3 50.17	+19 24.3	1.627	2.511	13.1	21.3
10 28	3 41.65	+18 53.0	1.580	2.525	8.8	21.1
11 7	3 31.17	+18 13.9	1.557	2.539	4.0	20.8
11 17	3 19.88	+17 30.1	1.563	2.551	1.1	20.7
11 27	3 9.16	+16 46.8	1.599	2.563	5.9	21.0
12 7	3 0.19	+16 9.5	1.662	2.575	10.3	21.3
12 17	2 53.75	+15 42.5	1.749	2.585	14.0	21.6

32651 4208 P–L 11 15.1 192°.77 3°.8/12.2 18

10 8	3 47.35	+10 12.0	2.277	3.085	12.7	19.6
10 18	3 42.90	+ 9 8.6	2.195	3.084	9.9	19.4
10 28	3 36.53	+ 8 2.3	2.138	3.082	6.9	19.2
11 7	3 28.80	+ 6 57.4	2.107	3.080	4.3	19.0
11 17	3 20.46	+ 5 58.8	2.107	3.078	4.2	19.0
11 27	3 12.38	+ 5 11.1	2.135	3.075	6.8	19.2
12 7	3 5.36	+ 4 37.6	2.192	3.072	9.8	19.4
12 17	3 0.04	+ 4 20.0	2.272	3.068	12.6	19.6

366739 2004 FN_{116} 11 15.1 219°.32 0°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.89	+19 0.6	2.522	3.305	12.4	21.8
10 18	3 46.47	+19 9.0	2.421	3.296	9.7	21.6
10 28	3 39.00	+19 12.5	2.345	3.286	6.6	21.4
11 7	3 29.99	+19 11.1	2.295	3.276	3.1	21.2
11 17	3 20.18	+19 5.8	2.277	3.265	0.7	21.0
11 27	3 10.48	+18 58.5	2.289	3.253	4.4	21.2
12 7	3 1.78	+18 51.9	2.331	3.241	7.9	21.4
12 17	2 54.79	+18 48.5	2.400	3.229	10.9	21.6

136208 2003 WD_{20} 11 15.1 72°.59 5°.2/17.9 18

10 8	3 55.67	+31 49.1	1.371	2.158	20.6	19.6
10 18	3 50.97	+32 5.2	1.310	2.176	16.8	19.4
10 28	3 42.65	+32 0.1	1.268	2.194	12.5	19.2
11 7	3 31.74	+31 31.0	1.248	2.212	8.0	19.0
11 17	3 19.81	+30 38.6	1.253	2.230	5.2	18.9
11 27	3 8.70	+29 28.9	1.284	2.248	7.2	19.0
12 7	2 59.95	+28 12.2	1.341	2.266	11.2	19.3
12 17	2 54.45	+26 58.4	1.422	2.284	15.1	19.6

73246 2002 JO_{40} 11 15.1 103°.77 2°.5/16.9 18

10 8	3 51.26	+27 17.1	2.566	3.328	12.7	20.5
10 18	3 45.82	+27 31.3	2.492	3.348	10.1	20.4
10 28	3 38.41	+27 35.7	2.442	3.367	7.2	20.2
11 7	3 29.64	+27 29.4	2.418	3.386	4.2	20.0
11 17	3 20.31	+27 13.0	2.424	3.405	2.5	20.0
11 27	3 11.31	+26 48.8	2.460	3.423	4.3	20.1
12 7	3 3.48	+26 20.3	2.526	3.441	7.1	20.3
12 17	2 57.43	+25 51.7	2.619	3.458	9.8	20.5

447554 2006 SL_{331} 11 15.1 352°.61 3°.9/16.8 17

10 8	3 49.17	+26 39.0	1.539	2.343	18.0	21.2
10 18	3 45.81	+27 17.6	1.459	2.338	14.6	21.0
10 28	3 39.31	+27 43.8	1.398	2.334	10.6	20.7
11 7	3 30.35	+27 55.1	1.359	2.331	6.3	20.5
11 17	3 20.11	+27 50.4	1.347	2.328	3.9	20.3
11 27	3 10.14	+27 32.1	1.361	2.327	6.5	20.5
12 7	3 1.90	+27 5.8	1.400	2.326	10.7	20.7
12 17	2 56.44	+26 38.2	1.462	2.326	14.7	21.0

424441 2008 CL_{24} 11 15.1 232°.51 3°.6/13.2 18

10 8	3 52.41	+11 27.9	1.817	2.628	15.4	22.1
10 18	3 47.55	+10 47.2	1.726	2.616	12.1	21.9
10 28	3 40.07	+10 2.7	1.656	2.603	8.3	21.6
11 7	3 30.59	+ 9 18.2	1.612	2.589	4.7	21.4
11 17	3 20.07	+ 8 38.6	1.597	2.575	4.0	21.3
11 27	3 9.74	+ 8 8.7	1.610	2.560	7.5	21.5
12 7	3 0.77	+ 7 52.7	1.650	2.545	11.6	21.7
12 17	2 54.05	+ 7 52.5	1.714	2.529	15.2	21.9

288452 2004 EA_{62} 11 15.1 134°.53 0°.6/14.8 18

10 8	3 53.76	+18 56.5	1.978	2.772	14.9	21.9
10 18	3 48.12	+18 31.4	1.906	2.787	11.6	21.7
10 28	3 40.11	+17 58.5	1.856	2.801	7.7	21.5
11 7	3 30.46	+17 19.4	1.833	2.815	3.5	21.3
11 17	3 20.13	+16 37.3	1.840	2.828	1.1	21.1
11 27	3 10.27	+15 56.6	1.877	2.840	5.3	21.5
12 7	3 1.87	+15 21.7	1.942	2.851	9.2	21.7
12 17	2 55.63	+14 56.3	2.032	2.862	12.6	22.0

279940 2001 SB_{84} 11 15.1 355°.28 3°.6/13.2 18

10 8	3 46.37	+14 42.8	1.308	2.149	18.5	20.1
10 18	3 43.59	+13 40.8	1.238	2.146	14.4	19.8
10 28	3 37.71	+12 29.6	1.188	2.144	9.7	19.6
11 7	3 29.55	+11 15.2	1.161	2.143	5.1	19.3
11 17	3 20.33	+10 5.0	1.160	2.142	4.2	19.3
11 27	3 11.56	+ 9 7.6	1.184	2.141	8.6	19.5
12 7	3 4.59	+ 8 29.2	1.232	2.142	13.3	19.8
12 17	3 0.34	+ 8 12.6	1.300	2.143	17.5	20.0

300428 2007 TX_{11} 11 15.1 339°.73 2°.5/16.0 18

10 8	3 46.44	+22 27.7	1.294	2.125	19.3	19.7
10 18	3 44.26	+23 4.4	1.209	2.108	15.5	19.4
10 28	3 38.65	+23 31.8	1.142	2.092	10.9	19.1
11 7	3 30.20	+23 48.1	1.098	2.077	5.8	18.8
11 17	3 20.13	+23 52.5	1.077	2.063	2.6	18.5
11 27	3 10.17	+23 47.3	1.081	2.051	6.9	18.7
12 7	3 2.03	+23 37.5	1.109	2.041	12.2	19.0
12 17	2 56.98	+23 29.4	1.158	2.032	17.0	19.3

395445 2011 SC_{253} 11 15.1 57°.98 1°.1/14.5 18

10 8	3 49.44	+17 29.8	1.692	2.508	16.1	21.3
10 18	3 45.20	+17 6.3	1.624	2.517	12.5	21.1
10 28	3 38.38	+16 35.5	1.577	2.527	8.3	20.9
11 7	3 29.73	+15 59.8	1.555	2.538	3.8	20.6
11 17	3 20.30	+15 22.7	1.561	2.548	1.6	20.5
11 27	3 11.34	+14 49.1	1.595	2.559	6.0	20.8
12 7	3 3.92	+14 23.3	1.655	2.569	10.2	21.1
12 17	2 58.80	+14 8.6	1.739	2.580	13.9	21.4

410917 2009 SJ_{186} 11 15.1 53°.76 0°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.67	+20 5.1	2.125	2.921	13.9	21.5
10 18	3 45.00	+20 17.4	2.046	2.927	10.9	21.3
10 28	3 38.10	+20 23.3	1.990	2.933	7.4	21.1
11 7	3 29.60	+20 23.1	1.960	2.940	3.5	20.8
11 17	3 20.34	+20 17.7	1.958	2.946	0.9	20.6
11 27	3 11.36	+20 9.5	1.986	2.953	4.7	20.9
12 7	3 3.62	+20 1.6	2.042	2.959	8.4	21.2
12 17	2 57.84	+19 57.1	2.124	2.966	11.7	21.4

458477 2011 BZ_{103} 11 15.1 339°.60 0°.4/15.4 17

10 8	3 46.78	+21 3.4	2.177	2.975	13.6	22.0
10 18	3 42.76	+20 51.6	2.090	2.972	10.6	21.8
10 28	3 36.61	+20 31.4	2.026	2.970	7.2	21.6
11 7	3 28.92	+20 4.0	1.988	2.968	3.4	21.4
11 17	3 20.49	+19 31.4	1.978	2.967	0.8	21.2
11 27	3 12.31	+18 57.1	1.998	2.965	4.7	21.5
12 7	3 5.28	+18 25.2	2.046	2.963	8.4	21.7
12 17	3 0.09	+17 59.4	2.120	2.962	11.7	21.9

247052 2000 LP_{2} 11 15.1 124°.77 0°.8/14.5 18

10 8	3 49.01	+19 32.4	2.279	3.072	13.2	20.9
10 18	3 44.14	+18 43.5	2.204	3.085	10.2	20.7
10 28	3 37.31	+17 46.1	2.152	3.098	6.8	20.5
11 7	3 29.15	+16 42.8	2.129	3.110	3.0	20.3
11 17	3 20.46	+15 37.5	2.135	3.122	1.3	20.2
11 27	3 12.16	+14 35.0	2.172	3.134	4.9	20.5
12 7	3 5.06	+13 40.0	2.238	3.145	8.3	20.7
12 17	2 59.75	+12 55.9	2.330	3.155	11.4	20.9

287164 2002 RW_{246} 11 15.1 173°.60 4°.5/17.4 18

10 8	3 55.32	+30 2.6	1.681	2.457	17.8	21.1
10 18	3 50.37	+30 26.9	1.598	2.458	14.6	20.9
10 28	3 42.23	+30 35.6	1.535	2.460	10.8	20.7
11 7	3 31.65	+30 25.5	1.496	2.461	6.8	20.4
11 17	3 19.87	+29 56.1	1.484	2.461	4.5	20.3
11 27	3 8.48	+29 10.6	1.499	2.462	6.5	20.4
12 7	2 58.91	+28 16.1	1.542	2.461	10.4	20.7
12 17	2 52.18	+27 20.8	1.608	2.461	14.2	20.9

63060 2000 WD_{118} 11 15.1 34°.81 4°.0/14.0 18

10 8	3 54.78	+ 7 26.6	1.483	2.303	17.8	18.2
10 18	3 49.68	+ 7 40.4	1.417	2.310	14.0	18.0
10 28	3 41.58	+ 7 58.8	1.371	2.318	9.7	17.7
11 7	3 31.28	+ 8 24.5	1.350	2.326	5.5	17.5
11 17	3 19.98	+ 8 59.0	1.355	2.335	4.3	17.5
11 27	3 9.15	+ 9 43.3	1.388	2.343	7.8	17.7
12 7	3 0.11	+10 37.4	1.447	2.353	12.1	18.0
12 17	2 53.76	+11 40.2	1.530	2.363	15.8	18.3

264847 2002 QB_{110} 11 15.1 119°.58 4°.3/18.4 17

10 8	3 49.50	+33 28.4	2.490	3.235	13.5	21.6
10 18	3 44.81	+33 44.0	2.403	3.239	11.1	21.4
10 28	3 37.95	+33 45.9	2.337	3.244	8.5	21.3
11 7	3 29.53	+33 32.6	2.297	3.248	5.9	21.1
11 17	3 20.38	+33 3.9	2.285	3.252	4.3	21.0
11 27	3 11.52	+32 22.1	2.302	3.256	5.2	21.1
12 7	3 3.86	+31 31.8	2.347	3.260	7.7	21.3
12 17	2 58.10	+30 38.4	2.420	3.264	10.3	21.4

164727 1998 RH_{5} 11 15.1 96°.97 4°.3/17.1 18

10 8	3 56.23	+28 28.9	1.900	2.669	16.3	20.2
10 18	3 50.68	+29 22.4	1.822	2.679	13.2	20.0
10 28	3 42.23	+30 4.7	1.766	2.688	9.7	19.8
11 7	3 31.61	+30 32.2	1.735	2.698	6.3	19.6
11 17	3 19.91	+30 43.2	1.732	2.707	4.3	19.5
11 27	3 8.53	+30 38.8	1.757	2.716	6.1	19.7
12 7	2 58.76	+30 23.4	1.810	2.725	9.5	19.9
12 17	2 51.54	+30 2.9	1.889	2.733	12.8	20.1

180862 2005 JM_{26} 11 15.1 347°.45 4°.3/12.9 18

10 8	3 47.53	+13 22.5	1.265	2.107	18.9	19.6
10 18	3 44.60	+12 17.7	1.195	2.104	14.8	19.3
10 28	3 38.47	+11 4.8	1.145	2.101	10.1	19.1
11 7	3 29.95	+ 9 50.3	1.118	2.098	5.6	18.8
11 17	3 20.30	+ 8 42.3	1.116	2.096	4.9	18.8
11 27	3 11.10	+ 7 49.3	1.139	2.094	9.2	19.0
12 7	3 3.77	+ 7 17.3	1.185	2.093	14.0	19.3
12 17	2 59.27	+ 7 8.5	1.252	2.093	18.2	19.5

187787 1998 SR_{168} 11 15.1 40°.50 4°.0/13.2 18

10 8	3 48.89	+ 9 30.7	1.659	2.483	16.0	19.3
10 18	3 44.50	+ 8 59.5	1.612	2.509	12.4	19.2
10 28	3 37.72	+ 8 28.7	1.586	2.535	8.5	19.0
11 7	3 29.37	+ 8 2.5	1.586	2.562	4.9	18.9
11 17	3 20.48	+ 7 44.7	1.612	2.589	4.3	18.9
11 27	3 12.18	+ 7 38.6	1.667	2.617	7.3	19.1
12 7	3 5.44	+ 7 46.0	1.747	2.645	10.8	19.4
12 17	3 0.88	+ 8 6.7	1.850	2.673	13.9	19.7

226498 2003 SL_{293} 11 15.1 132°.15 4°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.46	+32 24.9	2.504	3.251	13.4	20.5
10 18	3 45.54	+32 47.0	2.417	3.256	11.0	20.4
10 28	3 38.44	+32 56.5	2.353	3.262	8.3	20.2
11 7	3 29.77	+32 51.5	2.314	3.267	5.7	20.0
11 17	3 20.36	+32 31.9	2.303	3.272	4.1	20.0
11 27	3 11.21	+31 59.6	2.322	3.277	5.2	20.0
12 7	3 3.25	+31 18.7	2.369	3.281	7.6	20.2
12 17	2 57.19	+30 34.5	2.443	3.286	10.3	20.4

295191 2008 FQ_{101} 11 15.1 123°.25 2°.1/13.9 18

10 8	3 48.70	+13 7.5	2.123	2.930	13.6	20.8
10 18	3 44.17	+12 50.8	2.043	2.932	10.5	20.6
10 28	3 37.52	+12 31.5	1.986	2.933	7.1	20.3
11 7	3 29.34	+12 11.8	1.955	2.935	3.5	20.1
11 17	3 20.46	+11 54.4	1.953	2.936	2.5	20.1
11 27	3 11.85	+11 42.6	1.981	2.938	5.7	20.3
12 7	3 4.41	+11 38.8	2.036	2.939	9.2	20.5
12 17	2 58.82	+11 44.7	2.116	2.940	12.4	20.7

141725 2002 LU_{21} 11 15.1 146°.65 0°.7/14.9 17

10 8	3 56.73	+16 51.1	1.733	2.533	16.4	20.9
10 18	3 50.92	+16 56.1	1.658	2.542	12.9	20.7
10 28	3 42.28	+16 55.9	1.604	2.550	8.6	20.4
11 7	3 31.59	+16 51.3	1.577	2.558	3.9	20.2
11 17	3 19.95	+16 43.9	1.577	2.565	1.2	20.0
11 27	3 8.73	+16 36.8	1.608	2.572	5.9	20.3
12 7	2 59.16	+16 33.4	1.665	2.578	10.3	20.6
12 17	2 52.11	+16 36.8	1.748	2.583	14.1	20.9

475131 2005 UO_{317} 11 15.1 313°.76 0°.6/15.4 18

10 8	3 48.24	+21 35.6	1.396	2.220	18.5	21.4
10 18	3 45.31	+21 24.0	1.308	2.205	14.7	21.1
10 28	3 39.13	+20 59.5	1.240	2.190	10.1	20.8
11 7	3 30.37	+20 22.8	1.194	2.175	4.8	20.5
11 17	3 20.20	+19 36.6	1.173	2.161	1.1	20.2
11 27	3 10.24	+18 47.0	1.179	2.148	6.7	20.5
12 7	3 2.03	+18 1.2	1.209	2.135	12.0	20.8
12 17	2 56.68	+17 25.9	1.262	2.123	16.7	21.0

454699 2014 SZ_{90} 11 15.1 133°.35 1°.8/13.8 18

10 8	3 46.06	+15 37.2	2.324	3.129	12.6	21.2
10 18	3 41.93	+14 54.8	2.242	3.131	9.8	21.0
10 28	3 35.92	+14 6.9	2.185	3.133	6.5	20.8
11 7	3 28.58	+13 16.3	2.154	3.135	3.1	20.6
11 17	3 20.65	+12 26.6	2.153	3.137	2.2	20.5
11 27	3 13.00	+11 42.0	2.181	3.138	5.3	20.7
12 7	3 6.40	+11 6.2	2.238	3.140	8.6	20.9
12 17	3 1.46	+10 41.5	2.320	3.142	11.5	21.1

184113 2004 HZ_{43} 11 15.1 289°.42 3°.7/16.9 17

10 8	3 51.71	+27 28.9	1.931	2.711	15.7	20.6
10 18	3 47.33	+28 4.2	1.832	2.697	12.8	20.3
10 28	3 40.15	+28 28.8	1.754	2.683	9.4	20.1
11 7	3 30.76	+28 40.3	1.701	2.669	5.8	19.8
11 17	3 20.12	+28 37.3	1.675	2.655	3.7	19.7
11 27	3 9.56	+28 21.3	1.677	2.640	5.9	19.8
12 7	3 0.35	+27 56.6	1.707	2.626	9.6	20.0
12 17	2 53.52	+27 29.1	1.762	2.612	13.2	20.2

222196 2000 DO_{66} 11 15.1 0°.45 2°.9/16.8 17

10 8	3 47.36	+26 27.4	1.825	2.620	15.9	19.6
10 18	3 43.83	+26 46.2	1.743	2.619	12.8	19.4
10 28	3 37.66	+26 53.0	1.682	2.618	9.1	19.1
11 7	3 29.54	+26 46.7	1.645	2.618	5.3	18.9
11 17	3 20.46	+26 27.7	1.635	2.618	2.9	18.8
11 27	3 11.65	+25 58.9	1.653	2.619	5.5	18.9
12 7	3 4.29	+25 25.5	1.697	2.621	9.3	19.2
12 17	2 59.22	+24 53.0	1.766	2.624	12.9	19.4

364535 2007 FW_{26} 11 15.1 326°.78 2°.5/13.5 18

10 8	3 45.91	+14 17.0	2.020	2.835	13.9	21.3
10 18	3 42.17	+13 33.3	1.937	2.830	10.8	21.1
10 28	3 36.27	+12 44.3	1.876	2.826	7.3	20.9
11 7	3 28.82	+11 53.3	1.842	2.822	3.7	20.6
11 17	3 20.63	+11 4.5	1.836	2.818	2.9	20.6
11 27	3 12.71	+10 22.8	1.859	2.815	6.2	20.8
12 7	3 5.96	+ 9 52.1	1.909	2.811	9.8	21.0
12 17	3 1.09	+ 9 34.9	1.983	2.808	13.1	21.2

102534 1999 UJ_{5} 11 15.1 37°.47 18°.1/30.2 18

10 8	4 11.95	+60 30.5	1.647	2.248	23.9	18.2
10 18	4 7.94	+63 5.6	1.595	2.261	22.5	18.1
10 28	3 57.01	+65 11.3	1.555	2.274	21.0	18.0
11 7	3 39.55	+66 34.4	1.531	2.288	19.7	17.9
11 17	3 18.05	+67 3.3	1.521	2.302	18.6	17.9
11 27	2 57.06	+66 34.9	1.529	2.317	18.2	17.9
12 7	2 40.88	+65 17.7	1.555	2.333	18.3	17.9
12 17	2 31.69	+63 27.0	1.598	2.349	18.9	18.0

124043 2001 FH_{140} 11 15.1 32°.95 4°.4/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.50	+ 7 53.7	2.189	3.004	13.0	19.7
10 18	3 41.56	+ 6 58.0	2.115	3.005	10.2	19.5
10 28	3 35.71	+ 6 1.9	2.064	3.007	7.2	19.3
11 7	3 28.51	+ 5 9.7	2.040	3.009	4.8	19.1
11 17	3 20.72	+ 4 26.0	2.044	3.010	4.8	19.2
11 27	3 13.20	+ 3 55.0	2.076	3.012	7.2	19.3
12 7	3 6.76	+ 3 39.2	2.135	3.014	10.1	19.5
12 17	3 2.00	+ 3 39.2	2.219	3.016	12.8	19.7

75647 2000 AR_{59} 11 15.2 177°.78 4°.5/11.2 18

10 8	3 45.79	+ 1 48.0	3.185	3.976	9.8	19.6
10 18	3 41.13	+ 1 6.3	3.107	3.978	7.9	19.4
10 28	3 35.12	+ 0 27.6	3.055	3.979	6.0	19.3
11 7	3 28.18	− 0 4.6	3.030	3.980	4.6	19.2
11 17	3 20.82	− 0 27.7	3.035	3.981	4.8	19.2
11 27	3 13.64	− 0 39.4	3.070	3.981	6.2	19.3
12 7	3 7.20	− 0 38.5	3.133	3.980	8.2	19.5
12 17	3 1.95	− 0 25.1	3.221	3.979	10.1	19.6

185522 2007 VH_{75} 11 15.2 280°.75 0°.8/14.7 18

10 8	3 48.77	+18 23.5	1.850	2.659	15.2	20.9
10 18	3 44.77	+18 2.3	1.759	2.649	11.9	20.7
10 28	3 38.24	+17 32.9	1.690	2.639	8.0	20.4
11 7	3 29.82	+16 57.2	1.647	2.629	3.7	20.1
11 17	3 20.42	+16 18.2	1.631	2.619	1.3	19.9
11 27	3 11.24	+15 40.4	1.644	2.609	5.8	20.2
12 7	3 3.40	+15 8.7	1.684	2.599	10.0	20.5
12 17	2 57.72	+14 47.0	1.748	2.589	13.8	20.7

58038 2002 VJ_{110} 11 15.2 309°.82 1°.5/15.8 18

10 8	3 49.79	+22 12.5	1.410	2.229	18.6	19.3
10 18	3 46.63	+22 22.7	1.319	2.213	14.9	19.1
10 28	3 40.13	+22 21.8	1.248	2.196	10.3	18.8
11 7	3 30.90	+22 9.1	1.200	2.180	5.2	18.4
11 17	3 20.15	+21 45.4	1.176	2.164	1.6	18.1
11 27	3 9.51	+21 15.0	1.179	2.149	6.6	18.4
12 7	3 0.62	+20 44.0	1.207	2.134	11.9	18.7
12 17	2 54.67	+20 19.1	1.257	2.120	16.7	18.9

589 Croatia 11 15.2 4°.11 4°.2/12.1 18 R

10 8	3 45.00	+ 8 50.1	2.195	3.010	12.9	13.9
10 18	3 41.20	+ 7 51.0	2.118	3.010	10.1	13.7
10 28	3 35.48	+ 6 50.5	2.066	3.010	7.1	13.5
11 7	3 28.42	+ 5 53.0	2.040	3.010	4.6	13.3
11 17	3 20.77	+ 5 3.3	2.042	3.011	4.6	13.3
11 27	3 13.37	+ 4 25.7	2.073	3.011	7.0	13.5
12 7	3 7.05	+ 4 3.1	2.131	3.012	10.0	13.7
12 17	3 2.39	+ 3 56.6	2.213	3.012	12.8	13.9

157022 2003 QA_{77} 11 15.2 45°.97 6°.9/10.1 18

10 8	3 45.23	+ 3 14.3	1.897	2.718	14.4	19.6
10 18	3 41.45	+ 1 37.1	1.847	2.735	11.5	19.4
10 28	3 35.63	+ 0 3.5	1.820	2.753	8.7	19.3
11 7	3 28.45	− 1 19.3	1.820	2.771	7.1	19.2
11 17	3 20.78	− 2 24.9	1.846	2.790	7.5	19.3
11 27	3 13.55	− 3 8.4	1.900	2.809	9.5	19.5
12 7	3 7.60	− 3 28.2	1.978	2.828	12.1	19.7
12 17	3 3.49	− 3 25.5	2.078	2.847	14.5	19.9

124975 2001 TJ_{113} 11 15.2 117°.57 2°.1/16.6 18

10 8	3 49.20	+26 28.3	2.030	2.814	14.9	20.1
10 18	3 44.89	+26 19.3	1.945	2.816	11.9	19.9
10 28	3 38.18	+25 57.4	1.882	2.817	8.4	19.7
11 7	3 29.73	+25 22.7	1.844	2.818	4.6	19.5
11 17	3 20.47	+24 36.9	1.834	2.819	2.1	19.3
11 27	3 11.53	+23 44.0	1.853	2.820	4.9	19.5
12 7	3 3.96	+22 49.6	1.900	2.821	8.7	19.7
12 17	2 58.49	+21 59.4	1.973	2.822	12.1	20.0

226576 2003 YT_{34} 11 15.2 4°.51 6°.8/12.7 18

10 8	3 50.23	− 0 51.2	1.860	2.668	15.2	18.8
10 18	3 45.57	− 1 0.7	1.789	2.668	12.3	18.6
10 28	3 38.56	− 1 0.7	1.741	2.669	9.4	18.5
11 7	3 29.88	− 0 46.8	1.717	2.670	7.2	18.3
11 17	3 20.44	− 0 16.1	1.720	2.673	7.0	18.3
11 27	3 11.33	+ 0 32.7	1.750	2.675	9.1	18.5
12 7	3 3.55	+ 1 38.4	1.807	2.679	11.9	18.6
12 17	2 57.83	+ 2 58.2	1.887	2.683	14.8	18.8

439125 2011 SA_{159} 11 15.2 64°.52 4°.9/17.8 18

10 8	3 53.02	+31 7.8	1.766	2.538	17.2	20.6
10 18	3 48.40	+31 40.6	1.691	2.547	14.1	20.4
10 28	3 40.81	+31 57.9	1.635	2.555	10.6	20.2
11 7	3 31.02	+31 56.8	1.604	2.564	7.0	20.0
11 17	3 20.19	+31 36.5	1.599	2.572	4.9	19.9
11 27	3 9.78	+31 0.0	1.621	2.581	6.4	20.0
12 7	3 1.11	+30 13.5	1.671	2.590	9.8	20.2
12 17	2 55.08	+29 24.3	1.745	2.599	13.2	20.5

100516 1997 *BA* 11 15.2 267°.68 7°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.11	+ 1 9.5	1.950	2.757	14.6	19.7
10 18	3 45.62	+ 0 15.2	1.858	2.737	11.9	19.5
10 28	3 38.74	− 0 34.9	1.788	2.717	9.2	19.2
11 7	3 30.06	− 1 15.1	1.744	2.696	7.3	19.1
11 17	3 20.40	− 1 39.6	1.727	2.675	7.5	19.1
11 27	3 10.86	− 1 43.9	1.738	2.653	9.8	19.2
12 7	3 2.49	− 1 26.4	1.773	2.632	12.9	19.3
12 17	2 56.11	− 0 47.9	1.832	2.609	15.8	19.5

242409 2004 GX_5 11 15.2 230°.83 2°.6/16.9 18

10 8	3 50.20	+27 57.0	2.221	2.993	14.1	21.0
10 18	3 45.60	+27 54.9	2.125	2.986	11.4	20.8
10 28	3 38.66	+27 40.1	2.050	2.978	8.2	20.6
11 7	3 29.98	+27 12.0	2.000	2.970	4.8	20.4
11 17	3 20.43	+26 31.5	1.979	2.962	2.6	20.2
11 27	3 11.11	+25 41.8	1.988	2.953	4.9	20.4
12 7	3 3.02	+24 48.1	2.026	2.945	8.3	20.6
12 17	2 56.95	+23 56.0	2.090	2.936	11.6	20.8

296663 2009 SO_{154} 11 15.2 116°.90 0°.1/15.3 18

10 8	3 48.78	+20 16.0	2.445	3.234	12.5	21.5
10 18	3 43.95	+20 4.1	2.368	3.246	9.8	21.4
10 28	3 37.24	+19 45.4	2.314	3.257	6.5	21.2
11 7	3 29.21	+19 20.9	2.288	3.268	3.0	21.0
11 17	3 20.63	+18 52.5	2.291	3.279	0.7	20.8
11 27	3 12.34	+18 23.3	2.325	3.290	4.2	21.1
12 7	3 5.15	+17 56.5	2.387	3.300	7.6	21.3
12 17	2 59.65	+17 35.3	2.477	3.311	10.5	21.5

299668 2006 QV_1 11 15.2 64°.60 0°.1/15.1 18

10 8	3 50.27	+19 19.9	1.792	2.599	15.7	20.6
10 18	3 45.84	+19 12.8	1.719	2.607	12.3	20.4
10 28	3 38.86	+18 57.9	1.668	2.615	8.2	20.2
11 7	3 30.05	+18 36.4	1.642	2.623	3.8	19.9
11 17	3 20.43	+18 10.7	1.643	2.632	0.9	19.7
11 27	3 11.21	+17 44.7	1.674	2.640	5.4	20.1
12 7	3 3.47	+17 22.6	1.731	2.648	9.6	20.3
12 17	2 57.98	+17 8.0	1.813	2.657	13.2	20.6

317405 2002 PW_{135} 11 15.2 60°.41 0°.3/15.3 18

10 8	3 49.17	+19 38.1	2.172	2.968	13.7	20.2
10 18	3 44.48	+19 41.1	2.103	2.985	10.6	20.1
10 28	3 37.69	+19 37.7	2.057	3.001	7.1	19.9
11 7	3 29.45	+19 28.7	2.037	3.017	3.3	19.7
11 17	3 20.59	+19 15.5	2.046	3.034	0.7	19.5
11 27	3 12.10	+19 1.0	2.084	3.051	4.5	19.8
12 7	3 4.84	+18 48.1	2.152	3.067	8.1	20.1
12 17	2 59.46	+18 39.9	2.244	3.084	11.2	20.3

323609 2004 TA_{356} 11 15.2 51°.67 2°.7/13.8 18

10 8	3 49.93	+10 39.0	2.002	2.811	14.2	20.1
10 18	3 45.18	+10 33.8	1.931	2.821	11.0	19.9
10 28	3 38.23	+10 28.7	1.883	2.830	7.5	19.7
11 7	3 29.72	+10 25.7	1.862	2.840	4.0	19.5
11 17	3 20.53	+10 27.3	1.869	2.850	3.0	19.4
11 27	3 11.68	+10 35.7	1.905	2.860	6.1	19.7
12 7	3 4.10	+10 52.5	1.968	2.870	9.6	19.9
12 17	2 58.49	+11 18.3	2.057	2.880	12.7	20.1

106073 2000 SP_{338} 11 15.2 299°.58 0°.1/15.2 18

10 8	3 49.84	+19 3.9	2.047	2.847	14.3	20.0
10 18	3 45.33	+19 8.6	1.961	2.844	11.2	19.8
10 28	3 38.48	+19 7.1	1.897	2.842	7.6	19.6
11 7	3 29.91	+19 0.1	1.859	2.840	3.5	19.4
11 17	3 20.49	+18 48.9	1.850	2.838	0.8	19.1
11 27	3 11.29	+18 36.2	1.870	2.836	5.0	19.4
12 7	3 3.33	+18 25.3	1.918	2.834	8.9	19.7
12 17	2 57.39	+18 19.5	1.992	2.832	12.4	19.9

44879 1999 UP_{50} 11 15.2 97°.74 3°.0/13.8 18

10 8	3 54.08	+13 11.7	1.532	2.350	17.4	19.2
10 18	3 48.93	+12 38.1	1.472	2.367	13.5	19.0
10 28	3 40.94	+12 0.5	1.434	2.383	9.1	18.8
11 7	3 30.99	+11 22.8	1.420	2.400	4.6	18.6
11 17	3 20.27	+10 49.6	1.433	2.416	3.5	18.5
11 27	3 10.17	+10 25.7	1.475	2.431	7.3	18.8
12 7	3 1.86	+10 14.6	1.542	2.447	11.5	19.1
12 17	2 56.12	+10 18.0	1.632	2.462	15.2	19.4

269629 2011 AD_{27} 11 15.2 330°.18 6°.0/11.4 18

10 8	3 46.28	+ 2 26.1	2.122	2.934	13.4	20.2
10 18	3 42.27	+ 1 36.5	2.046	2.930	10.8	20.1
10 28	3 36.27	+ 0 50.7	1.994	2.927	8.1	19.9
11 7	3 28.84	+ 0 13.9	1.968	2.924	6.3	19.8
11 17	3 20.74	− 0 9.6	1.969	2.921	6.4	19.8
11 27	3 12.90	− 0 16.3	1.998	2.918	8.5	19.9
12 7	3 6.15	− 0 5.0	2.052	2.915	11.1	20.1
12 17	3 1.14	+ 0 23.8	2.130	2.913	13.7	20.3

219031 1994 WZ_6 11 15.2 350°.97 4°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.93	+ 8 53.8	1.627	2.460	15.9	19.7
10 18	3 41.92	+ 8 15.5	1.551	2.453	12.5	19.4
10 28	3 36.39	+ 7 36.6	1.497	2.447	8.7	19.2
11 7	3 29.00	+ 7 2.0	1.467	2.442	5.4	19.0
11 17	3 20.70	+ 6 36.7	1.464	2.438	5.1	19.0
11 27	3 12.70	+ 6 25.3	1.486	2.435	8.2	19.2
12 7	3 6.07	+ 6 30.3	1.534	2.433	12.0	19.4
12 17	3 1.65	+ 6 52.2	1.604	2.432	15.5	19.6

152108 2004 RK_{153} 11 15.2 273°.28 0°.9/14.5 18

10 8	3 46.62	+18 55.8	2.162	2.965	13.5	19.9
10 18	3 42.62	+18 13.8	2.076	2.963	10.5	19.7
10 28	3 36.54	+17 23.3	2.012	2.960	7.0	19.5
11 7	3 28.97	+16 26.6	1.976	2.957	3.2	19.3
11 17	3 20.72	+15 27.5	1.968	2.955	1.4	19.1
11 27	3 12.74	+14 30.8	1.990	2.952	5.1	19.4
12 7	3 5.91	+13 41.4	2.040	2.950	8.8	19.6
12 17	3 0.89	+13 2.8	2.115	2.947	12.1	19.8

491496 2012 HV_{81} 11 15.2 139°.49 4°.1/18.0 17

10 8	3 55.18	+32 43.3	3.023	3.747	11.7	22.0
10 18	3 48.90	+33 32.3	2.936	3.758	9.7	21.8
10 28	3 40.60	+34 11.3	2.872	3.769	7.4	21.7
11 7	3 30.82	+34 37.8	2.835	3.779	5.3	21.6
11 17	3 20.30	+34 50.7	2.828	3.789	4.1	21.5
11 27	3 9.93	+34 50.3	2.853	3.798	4.9	21.6
12 7	3 0.59	+34 39.3	2.907	3.807	6.9	21.7
12 17	2 52.94	+34 21.7	2.989	3.815	9.1	21.9

184458 2005 NW_{79} 11 15.2 92°.26 2°.9/16.6 18

10 8	3 57.32	+26 14.2	1.604	2.391	18.1	20.5
10 18	3 51.63	+26 32.4	1.542	2.413	14.4	20.3
10 28	3 42.86	+26 36.9	1.500	2.434	10.2	20.1
11 7	3 31.90	+26 26.2	1.483	2.455	5.7	19.9
11 17	3 20.08	+26 1.0	1.492	2.476	2.9	19.7
11 27	3 8.92	+25 25.5	1.530	2.496	5.9	20.0
12 7	2 59.74	+24 46.2	1.596	2.516	10.0	20.3
12 17	2 53.37	+24 9.5	1.685	2.536	13.8	20.5

168738 2000 QN_{47} 11 15.2 35°.71 4°.7/17.1 18

10 8	3 53.08	+27 35.1	1.110	1.931	22.4	18.9
10 18	3 49.75	+28 12.4	1.053	1.942	18.1	18.7
10 28	3 42.35	+28 31.5	1.013	1.953	13.1	18.4
11 7	3 31.90	+28 29.2	0.993	1.965	7.8	18.2
11 17	3 20.08	+28 4.8	0.996	1.978	4.7	18.1
11 27	3 9.00	+27 23.6	1.023	1.992	7.7	18.3
12 7	3 0.49	+26 35.1	1.074	2.006	12.6	18.6
12 17	2 55.61	+25 49.0	1.146	2.020	17.1	18.9

398023 2009 DX_{27} 11 15.2 352°.99 6°.3/11.6 18

10 8	3 47.24	+ 5 38.3	1.661	2.488	15.9	20.8
10 18	3 43.57	+ 4 32.1	1.591	2.486	12.6	20.6
10 28	3 37.39	+ 3 26.9	1.542	2.485	9.2	20.4
11 7	3 29.43	+ 2 29.5	1.519	2.484	6.7	20.3
11 17	3 20.63	+ 1 46.1	1.521	2.483	6.8	20.3
11 27	3 12.19	+ 1 22.1	1.551	2.482	9.5	20.5
12 7	3 5.17	+ 1 19.8	1.604	2.482	12.9	20.7
12 17	3 0.33	+ 1 38.9	1.680	2.482	16.0	20.9

55488 2001 UZ_{44} 11 15.2 144°.90 0°.1/15.1 18

10 8	3 49.64	+19 16.8	2.108	2.906	14.0	19.1
10 18	3 45.03	+19 8.3	2.026	2.909	10.9	18.9
10 28	3 38.20	+18 52.8	1.966	2.911	7.3	18.7
11 7	3 29.76	+18 31.5	1.932	2.913	3.4	18.5
11 17	3 20.57	+18 6.4	1.928	2.916	0.8	18.3
11 27	3 11.67	+17 40.7	1.953	2.918	4.9	18.6
12 7	3 3.99	+17 18.3	2.006	2.920	8.7	18.8
12 17	2 58.27	+17 2.4	2.084	2.922	12.0	19.0

119212 2001 QY_{166} 11 15.2 148°.77 2°.7/13.7 18

10 8	3 53.65	+12 24.7	1.943	2.746	14.8	20.6
10 18	3 48.13	+11 57.7	1.869	2.755	11.5	20.4
10 28	3 40.24	+11 27.9	1.818	2.764	7.8	20.2
11 7	3 30.68	+10 58.3	1.794	2.773	4.0	20.0
11 17	3 20.38	+10 32.2	1.799	2.780	3.1	19.9
11 27	3 10.48	+10 13.6	1.833	2.787	6.4	20.1
12 7	3 1.97	+10 5.1	1.895	2.793	10.1	20.4
12 17	2 55.60	+10 8.6	1.982	2.799	13.4	20.6

382685 2002 UW_{75} 11 15.2 67°.58 1°.0/15.7 18

10 8	3 55.37	+23 14.3	1.362	2.173	19.6	20.7
10 18	3 50.26	+22 57.3	1.312	2.200	15.3	20.5
10 28	3 41.94	+22 26.3	1.281	2.227	10.4	20.3
11 7	3 31.46	+21 42.6	1.274	2.254	5.0	20.1
11 17	3 20.25	+20 50.1	1.293	2.281	1.3	19.9
11 27	3 9.93	+19 55.4	1.340	2.308	6.2	20.3
12 7	3 1.78	+19 5.9	1.412	2.335	10.9	20.7
12 17	2 56.56	+18 27.2	1.508	2.361	14.9	21.0

28054 1998 KE_{50} 11 15.2 91°.83 5°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.50	+ 3 44.5	2.198	3.002	13.3	18.8
10 18	3 44.54	+ 3 12.8	2.135	3.017	10.5	18.6
10 28	3 37.64	+ 2 45.0	2.096	3.030	7.7	18.5
11 7	3 29.43	+ 2 25.2	2.083	3.044	5.5	18.4
11 17	3 20.69	+ 2 16.4	2.098	3.058	5.4	18.4
11 27	3 12.31	+ 2 21.3	2.142	3.071	7.4	18.5
12 7	3 5.10	+ 2 40.4	2.214	3.085	10.1	18.7
12 17	2 59.65	+ 3 13.1	2.309	3.098	12.6	18.9

325582 2009 SC_{139} 11 15.2 4°.76 5°.3/11.6 18

10 8	3 44.90	+ 7 14.8	1.918	2.742	14.2	20.0
10 18	3 41.41	+ 6 6.9	1.847	2.742	11.2	19.8
10 28	3 35.79	+ 4 58.5	1.798	2.742	8.0	19.6
11 7	3 28.66	+ 3 55.3	1.776	2.743	5.6	19.5
11 17	3 20.86	+ 3 2.9	1.780	2.744	5.7	19.5
11 27	3 13.36	+ 2 26.5	1.812	2.746	8.2	19.7
12 7	3 7.07	+ 2 8.8	1.870	2.747	11.3	19.9
12 17	3 2.65	+ 2 10.2	1.950	2.750	14.2	20.1

394177 2006 RM_{10} 11 15.2 66°.15 0°.2/15.1 18

10 8	3 49.23	+20 15.1	1.811	2.618	15.6	20.9
10 18	3 44.99	+19 50.8	1.739	2.627	12.2	20.7
10 28	3 38.28	+19 17.1	1.689	2.636	8.1	20.5
11 7	3 29.83	+18 35.7	1.663	2.645	3.7	20.3
11 17	3 20.62	+17 50.0	1.666	2.654	0.9	20.1
11 27	3 11.83	+17 5.0	1.697	2.663	5.4	20.4
12 7	3 4.50	+16 25.5	1.756	2.673	9.5	20.7
12 17	2 59.38	+15 55.8	1.839	2.682	13.1	20.9

176105 2001 CG_{6} 11 15.2 212°.40 3°.1/16.7 18

10 8	3 55.04	+26 50.9	1.749	2.532	17.0	20.8
10 18	3 50.09	+27 6.3	1.660	2.528	13.7	20.6
10 28	3 42.08	+27 8.7	1.590	2.522	9.8	20.4
11 7	3 31.74	+26 56.1	1.545	2.517	5.7	20.1
11 17	3 20.17	+26 28.4	1.527	2.510	3.1	19.9
11 27	3 8.86	+25 48.8	1.538	2.504	5.9	20.1
12 7	2 59.19	+25 3.7	1.576	2.496	10.2	20.3
12 17	2 52.17	+24 19.8	1.639	2.489	14.1	20.6

223053 2002 TA_{132} 11 15.2 118°.17 3°.9/17.3 18

10 8	3 55.50	+29 12.7	1.648	2.428	18.0	20.5
10 18	3 50.43	+29 28.5	1.575	2.438	14.6	20.3
10 28	3 42.23	+29 28.3	1.521	2.448	10.6	20.1
11 7	3 31.73	+29 10.0	1.491	2.458	6.5	19.9
11 17	3 20.20	+28 33.8	1.487	2.467	3.9	19.8
11 27	3 9.18	+27 43.9	1.512	2.476	6.2	19.9
12 7	3 0.06	+26 47.8	1.564	2.485	10.2	20.2
12 17	2 53.73	+25 53.0	1.640	2.493	13.9	20.5

335725 2007 DP_{11} 11 15.2 288°.83 1°.5/15.9 18

10 8	3 50.95	+23 13.9	1.539	2.348	17.8	21.4
10 18	3 47.26	+23 15.4	1.448	2.334	14.2	21.1
10 28	3 40.40	+23 4.5	1.376	2.320	9.9	20.9
11 7	3 31.04	+22 40.9	1.327	2.307	5.0	20.6
11 17	3 20.31	+22 5.8	1.305	2.293	1.7	20.3
11 27	3 9.76	+21 23.8	1.310	2.279	6.2	20.6
12 7	3 0.86	+20 41.3	1.341	2.266	11.2	20.8
12 17	2 54.72	+20 5.2	1.395	2.252	15.7	21.0

162145 1998 WH_{40} 11 15.2 140°.44 0°.9/14.8 18

10 8	3 52.82	+15 28.4	1.974	2.775	14.7	20.4
10 18	3 47.66	+15 37.9	1.893	2.778	11.5	20.2
10 28	3 40.06	+15 44.2	1.835	2.781	7.7	20.0
11 7	3 30.68	+15 48.2	1.803	2.784	3.5	19.7
11 17	3 20.44	+15 51.2	1.799	2.787	1.4	19.6
11 27	3 10.48	+15 55.5	1.826	2.789	5.4	19.9
12 7	3 1.84	+16 3.3	1.880	2.792	9.4	20.1
12 17	2 55.33	+16 17.0	1.960	2.794	12.8	20.3

481030 2004 YE_{12} 11 15.2 22°.53 4°.9/17.9 17

10 8	3 49.79	+31 27.0	1.463	2.256	19.3	20.7
10 18	3 46.44	+31 39.7	1.392	2.261	15.8	20.5
10 28	3 39.78	+31 32.4	1.339	2.267	11.7	20.2
11 7	3 30.68	+31 3.0	1.308	2.273	7.6	20.0
11 17	3 20.45	+30 11.9	1.302	2.280	4.9	19.9
11 27	3 10.76	+29 4.5	1.322	2.287	6.8	20.0
12 7	3 3.06	+27 49.8	1.368	2.296	10.8	20.3
12 17	2 58.27	+26 37.3	1.437	2.304	14.7	20.5

7243 1990 VV_{3} 11 15.2 120°.74 1°.3/15.8 18 R

10 8	3 54.60	+22 53.2	1.495	2.300	18.4	17.4
10 18	3 49.85	+22 52.4	1.422	2.307	14.5	17.2
10 28	3 41.92	+22 39.2	1.370	2.314	10.0	17.0
11 7	3 31.62	+22 13.7	1.341	2.321	5.0	16.7
11 17	3 20.25	+21 37.9	1.339	2.327	1.5	16.5
11 27	3 9.38	+20 56.7	1.365	2.333	6.1	16.8
12 7	3 0.42	+20 16.8	1.417	2.339	10.9	17.1
12 17	2 54.30	+19 44.2	1.493	2.345	15.1	17.4

172183 2002 PZ_{74} 11 15.2 1°.71 7°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.93	+36 52.7	1.260	2.055	21.7	19.3
10 18	3 42.61	+37 4.3	1.189	2.052	18.3	19.1
10 28	3 37.60	+36 47.4	1.134	2.051	14.3	18.8
11 7	3 29.78	+35 58.0	1.098	2.052	10.3	18.6
11 17	3 20.65	+34 36.2	1.085	2.054	7.5	18.5
11 27	3 12.10	+32 49.1	1.095	2.057	8.4	18.5
12 7	3 5.78	+30 49.7	1.130	2.063	11.9	18.8
12 17	3 2.70	+28 51.6	1.187	2.070	16.0	19.0

163364 2002 OD_{20} 11 15.2 274°.38 3°.9/16.3 18

10 8	4 3.54	+26 47.1	0.797	1.633	27.7	20.6
10 18	4 1.94	+26 55.6	0.692	1.593	23.4	20.1
10 28	3 54.06	+26 39.5	0.601	1.550	17.5	19.6
11 7	3 39.22	+25 47.1	0.525	1.504	9.9	18.9
11 17	3 18.13	+24 5.9	0.468	1.455	3.9	18.3
11 27	2 53.89	+21 34.4	0.432	1.404	12.6	18.5
12 7	2 31.18	+18 32.4	0.415	1.350	24.0	18.7
12 17	2 13.98	+15 33.0	0.413	1.294	34.9	18.9

196796 2003 SU_{197} 11 15.2 258°.34 3°.8/12.4 18

10 8	3 45.59	+ 9 4.4	2.351	3.161	12.3	20.2
10 18	3 41.61	+ 8 13.1	2.267	3.156	9.6	20.0
10 28	3 35.79	+ 7 20.3	2.208	3.151	6.8	19.8
11 7	3 28.66	+ 6 30.0	2.175	3.146	4.3	19.7
11 17	3 20.91	+ 5 46.2	2.171	3.141	4.2	19.6
11 27	3 13.38	+ 5 13.0	2.196	3.136	6.6	19.8
12 7	3 6.83	+ 4 53.0	2.249	3.131	9.5	20.0
12 17	3 1.87	+ 4 47.6	2.326	3.126	12.2	20.1

293654 2007 PS_{11} 11 15.2 129°.34 2°.4/13.9 18

10 8	3 51.99	+12 59.0	1.955	2.761	14.6	21.0
10 18	3 46.86	+12 36.2	1.883	2.771	11.4	20.8
10 28	3 39.41	+12 10.4	1.834	2.781	7.6	20.6
11 7	3 30.33	+11 44.5	1.811	2.790	3.9	20.4
11 17	3 20.55	+11 21.5	1.817	2.799	2.8	20.3
11 27	3 11.15	+11 5.0	1.852	2.808	6.1	20.6
12 7	3 3.12	+10 57.9	1.914	2.816	9.8	20.8
12 17	2 57.15	+11 1.7	2.002	2.824	13.1	21.0

239940 2001 BD_{13} 11 15.2 225°.05 2°.6/13.5 18

10 8	3 50.09	+12 50.5	2.183	2.986	13.4	20.8
10 18	3 45.34	+12 14.9	2.090	2.976	10.5	20.6
10 28	3 38.44	+11 35.2	2.020	2.966	7.1	20.4
11 7	3 29.94	+10 54.7	1.977	2.956	3.8	20.2
11 17	3 20.64	+10 16.7	1.964	2.944	3.0	20.1
11 27	3 11.53	+ 9 45.6	1.980	2.933	6.1	20.3
12 7	3 3.52	+ 9 24.6	2.024	2.921	9.6	20.5
12 17	2 57.36	+ 9 16.0	2.094	2.908	12.9	20.7

6605 Carmontelle 11 15.2 7°.31 1°.5/14.3 18

10 8	3 47.87	+15 45.2	1.862	2.677	14.9	17.1
10 18	3 43.93	+15 26.5	1.784	2.677	11.6	16.9
10 28	3 37.62	+15 2.6	1.728	2.678	7.8	16.7
11 7	3 29.58	+14 35.7	1.697	2.679	3.6	16.4
11 17	3 20.73	+14 8.9	1.694	2.680	1.9	16.3
11 27	3 12.18	+13 46.2	1.719	2.682	5.8	16.6
12 7	3 4.95	+13 31.2	1.772	2.684	9.8	16.8
12 17	2 59.80	+13 26.3	1.848	2.686	13.3	17.1

503488 2016 EZ_{181} 11 15.2 349°.19 14°.3/ 3.9 18

10 8	3 43.99	+ 4 2.1	0.949	1.818	21.7	20.2
10 18	3 42.53	− 0 16.4	0.898	1.812	17.9	20.0
10 28	3 37.43	− 4 41.5	0.870	1.808	15.0	19.8
11 7	3 29.67	− 8 47.1	0.864	1.804	14.4	19.8
11 17	3 20.71	−12 7.7	0.881	1.802	16.5	19.9
11 27	3 12.38	−14 26.3	0.919	1.800	19.9	20.1
12 7	3 6.21	−15 39.7	0.974	1.799	23.5	20.3
12 17	3 3.16	−15 54.6	1.042	1.800	26.5	20.6

150778 2001 QY_{267} 11 15.2 94°.03 3°.9/17.3 18

10 8	3 55.27	+29 16.6	1.637	2.417	18.0	20.4
10 18	3 50.20	+29 32.0	1.569	2.433	14.6	20.2
10 28	3 42.03	+29 31.2	1.520	2.448	10.6	20.0
11 7	3 31.63	+29 12.3	1.495	2.462	6.5	19.8
11 17	3 20.29	+28 35.8	1.497	2.477	3.9	19.7
11 27	3 9.53	+27 46.1	1.527	2.491	6.1	19.9
12 7	3 0.68	+26 50.5	1.583	2.505	10.0	20.1
12 17	2 54.61	+25 56.6	1.665	2.519	13.7	20.4

519856 2013 NK_{11} 11 15.2 55°.81 4°.2/12.8 18

10 8	3 47.94	+ 6 28.8	2.200	3.008	13.1	20.7
10 18	3 43.45	+ 6 4.3	2.129	3.016	10.3	20.5
10 28	3 37.01	+ 5 42.0	2.082	3.023	7.3	20.3
11 7	3 29.21	+ 5 25.1	2.062	3.031	4.7	20.2
11 17	3 20.82	+ 5 16.9	2.070	3.039	4.5	20.2
11 27	3 12.74	+ 5 19.7	2.107	3.047	6.8	20.3
12 7	3 5.77	+ 5 34.8	2.171	3.055	9.7	20.5
12 17	3 0.53	+ 6 2.1	2.259	3.063	12.4	20.7

470969 2009 RJ_{33} 11 15.2 22°.12 2°.0/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.60	+22 51.6	1.041	1.883	22.1	20.4
10 18	3 46.20	+23 8.2	0.988	1.893	17.5	20.2
10 28	3 39.93	+23 10.2	0.953	1.905	12.1	19.9
11 7	3 30.82	+22 57.2	0.938	1.918	6.1	19.7
11 17	3 20.48	+22 31.4	0.945	1.933	2.1	19.5
11 27	3 10.90	+21 58.7	0.977	1.949	7.1	19.8
12 7	3 3.73	+21 27.1	1.031	1.966	12.6	20.2
12 17	2 59.97	+21 3.3	1.106	1.984	17.3	20.5

344948 2004 VA_{49} 11 15.2 27°.28 3°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.99	+11 19.9	1.381	2.215	18.1	20.2
10 18	3 46.21	+10 59.0	1.319	2.221	14.2	19.9
10 28	3 39.42	+10 36.7	1.277	2.229	9.6	19.7
11 7	3 30.47	+10 16.7	1.258	2.237	5.2	19.5
11 17	3 20.56	+10 3.5	1.264	2.246	4.0	19.4
11 27	3 11.16	+10 1.0	1.297	2.255	7.9	19.7
12 7	3 3.56	+10 11.9	1.355	2.265	12.3	20.0
12 17	2 58.61	+10 36.8	1.434	2.276	16.2	20.2

222914 2002 JW_{76} 11 15.2 78°.71 3°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.15	+28 35.8	2.348	3.104	13.9	20.5
10 18	3 49.09	+29 12.4	2.283	3.132	11.2	20.4
10 28	3 40.80	+29 38.0	2.242	3.161	8.1	20.2
11 7	3 30.95	+29 51.0	2.227	3.189	5.1	20.1
11 17	3 20.47	+29 50.9	2.241	3.217	3.4	20.0
11 27	3 10.41	+29 39.5	2.285	3.244	4.9	20.2
12 7	3 1.72	+29 20.6	2.358	3.271	7.7	20.4
12 17	2 55.07	+28 58.8	2.459	3.298	10.4	20.6

485912 2012 GW_{9} 11 15.2 267°.15 2°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.92	+14 15.3	2.256	3.064	12.8	21.2
10 18	3 42.00	+13 23.6	2.169	3.059	10.0	21.0
10 28	3 36.12	+12 26.5	2.105	3.054	6.7	20.7
11 7	3 28.85	+11 27.2	2.069	3.048	3.5	20.5
11 17	3 20.92	+10 30.2	2.062	3.043	2.8	20.5
11 27	3 13.22	+ 9 39.9	2.084	3.037	5.8	20.7
12 7	3 6.58	+ 9 0.4	2.134	3.032	9.2	20.9
12 17	3 1.61	+ 8 34.2	2.210	3.026	12.2	21.1

477463 2009 WK_{263} 11 15.2 243°.41 1°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.53	+13 54.3	1.702	2.511	16.3	21.1
10 18	3 49.54	+13 59.7	1.614	2.503	12.8	20.9
10 28	3 41.67	+14 2.9	1.547	2.495	8.7	20.6
11 7	3 31.58	+14 5.2	1.506	2.487	4.2	20.3
11 17	3 20.30	+14 8.4	1.492	2.478	2.1	20.2
11 27	3 9.21	+14 15.2	1.507	2.470	6.5	20.4
12 7	2 59.62	+14 28.1	1.549	2.461	11.0	20.7
12 17	2 52.49	+14 49.3	1.616	2.451	15.0	20.9

434272 2003 WA_{33} 11 15.2 61°.18 2°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 59.76	+22 14.9	1.560	2.353	18.2	20.4
10 18	3 53.43	+23 0.9	1.509	2.386	14.3	20.2
10 28	3 44.02	+23 37.4	1.480	2.419	9.9	20.0
11 7	3 32.49	+24 2.5	1.475	2.451	5.1	19.8
11 17	3 20.17	+24 15.5	1.498	2.484	2.3	19.7
11 27	3 8.62	+24 18.7	1.550	2.516	5.8	20.0
12 7	2 59.12	+24 16.6	1.629	2.548	10.0	20.3
12 17	2 52.48	+24 14.2	1.733	2.580	13.6	20.6

417870 2007 ME_{9} 11 15.2 108°.45 0°.6/15.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.81	+25 21.4	2.731	3.501	11.8	21.4
10 18	3 43.72	+24 25.8	2.653	3.519	9.3	21.3
10 28	3 36.97	+23 19.2	2.600	3.536	6.3	21.1
11 7	3 29.13	+22 3.4	2.576	3.553	3.1	20.9
11 17	3 20.91	+20 41.9	2.582	3.570	0.8	20.8
11 27	3 13.08	+19 19.3	2.621	3.587	3.8	21.0
12 7	3 6.32	+18 0.5	2.691	3.603	6.9	21.2
12 17	3 1.12	+16 49.8	2.789	3.619	9.5	21.4

154481 2003 EB_{24} 11 15.2 237°.75 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.86	+21 25.6	1.929	2.722	15.2	21.1
10 18	3 48.04	+21 22.7	1.831	2.710	12.1	20.9
10 28	3 40.57	+21 10.7	1.755	2.698	8.3	20.7
11 7	3 31.05	+20 49.7	1.705	2.685	4.0	20.4
11 17	3 20.45	+20 21.2	1.683	2.671	1.0	20.1
11 27	3 9.98	+19 48.8	1.691	2.657	5.4	20.4
12 7	3 0.87	+19 17.1	1.726	2.643	9.7	20.6
12 17	2 54.00	+18 51.1	1.787	2.628	13.5	20.8

37107 2000 UK_{101} 11 15.2 104°.55 2°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.34	+25 56.0	1.507	2.301	18.7	18.7
10 18	3 51.20	+26 5.2	1.440	2.315	15.0	18.4
10 28	3 42.80	+25 59.9	1.392	2.329	10.5	18.2
11 7	3 32.05	+25 38.9	1.368	2.343	5.8	18.0
11 17	3 20.28	+25 3.4	1.371	2.356	2.7	17.8
11 27	3 9.12	+24 18.2	1.401	2.369	6.1	18.1
12 7	2 59.98	+23 30.6	1.458	2.381	10.6	18.4
12 17	2 53.77	+22 47.6	1.539	2.393	14.6	18.7

393774 2005 GV_{201} 11 15.2 103°.99 1°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.36	+21 42.4	1.976	2.768	15.0	21.3
10 18	3 47.33	+21 51.3	1.900	2.778	11.8	21.1
10 28	3 39.85	+21 52.0	1.847	2.788	8.1	20.9
11 7	3 30.62	+21 44.4	1.819	2.798	4.0	20.7
11 17	3 20.59	+21 29.7	1.820	2.807	1.2	20.5
11 27	3 10.92	+21 10.8	1.850	2.817	4.9	20.8
12 7	3 2.65	+20 51.6	1.908	2.826	8.8	21.1
12 17	2 56.55	+20 36.0	1.992	2.835	12.2	21.3

211814 2004 DQ_{60} 11 15.2 178°.97 1°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.94	+24 45.0	2.374	3.150	13.2	21.1
10 18	3 45.93	+24 42.9	2.285	3.151	10.5	21.0
10 28	3 38.79	+24 31.0	2.218	3.152	7.3	20.8
11 7	3 30.11	+24 9.4	2.177	3.152	3.9	20.5
11 17	3 20.70	+23 39.1	2.166	3.152	1.6	20.4
11 27	3 11.53	+23 3.2	2.186	3.152	4.4	20.6
12 7	3 3.52	+22 25.6	2.234	3.151	7.8	20.8
12 17	2 57.36	+21 50.9	2.310	3.150	10.9	21.0

111381 2001 XP_{152} 11 15.2 37°.57 0°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.09	+18 1.6	1.899	2.709	14.8	20.0
10 18	3 44.05	+17 37.7	1.822	2.712	11.6	19.8
10 28	3 37.68	+17 6.5	1.768	2.716	7.7	19.6
11 7	3 29.62	+16 30.2	1.739	2.720	3.5	19.3
11 17	3 20.81	+15 51.8	1.737	2.725	1.4	19.2
11 27	3 12.33	+15 15.8	1.765	2.729	5.5	19.5
12 7	3 5.19	+14 46.5	1.820	2.734	9.5	19.7
12 17	3 0.10	+14 27.2	1.900	2.739	12.9	19.9

263046 2007 HE_{13} 11 15.2 258°.49 0°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.58	+17 58.3	2.410	3.204	12.5	21.2
10 18	3 44.11	+17 49.0	2.308	3.190	9.8	21.0
10 28	3 37.62	+17 34.3	2.230	3.175	6.6	20.8
11 7	3 29.61	+17 15.0	2.179	3.160	3.0	20.5
11 17	3 20.81	+16 53.2	2.158	3.145	0.9	20.3
11 27	3 12.11	+16 31.5	2.166	3.130	4.6	20.6
12 7	3 4.40	+16 13.3	2.203	3.115	8.2	20.8
12 17	2 58.36	+16 1.2	2.267	3.099	11.4	20.9

226420 2003 RF_{7} 11 15.2 100°.74 4°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.57	+ 8 24.4	2.342	3.153	12.3	20.2
10 18	3 41.50	+ 6 55.8	2.271	3.159	9.7	20.0
10 28	3 35.66	+ 5 25.2	2.224	3.165	6.9	19.9
11 7	3 28.61	+ 3 58.0	2.206	3.171	4.8	19.7
11 17	3 21.05	+ 2 39.9	2.217	3.177	5.1	19.8
11 27	3 13.80	+ 1 36.0	2.257	3.183	7.3	19.9
12 7	3 7.57	+ 0 49.5	2.325	3.189	9.9	20.1
12 17	3 2.91	+ 0 21.6	2.416	3.195	12.4	20.3

183957 2004 DK_{54} 11 15.2 129°.89 1°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.94	+15 58.2	1.815	2.618	15.7	21.1
10 18	3 48.56	+15 30.6	1.745	2.632	12.2	20.9
10 28	3 40.64	+14 57.1	1.697	2.645	8.1	20.7
11 7	3 30.96	+14 20.2	1.676	2.657	3.8	20.5
11 17	3 20.54	+13 43.6	1.683	2.669	2.1	20.4
11 27	3 10.59	+13 11.6	1.719	2.680	6.0	20.7
12 7	3 2.18	+12 48.3	1.784	2.690	10.1	21.0
12 17	2 56.04	+12 36.4	1.872	2.700	13.6	21.2

241496 2009 CZ_{3} 11 15.2 53°.62 5°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.16	+ 5 50.2	1.616	2.439	16.4	20.2
10 18	3 45.80	+ 5 8.1	1.557	2.450	13.0	20.0
10 28	3 38.87	+ 4 29.1	1.519	2.462	9.3	19.8
11 7	3 30.17	+ 3 58.3	1.506	2.474	6.3	19.6
11 17	3 20.74	+ 3 40.7	1.519	2.486	6.1	19.7
11 27	3 11.80	+ 3 39.8	1.559	2.499	8.8	19.9
12 7	3 4.41	+ 3 57.0	1.625	2.511	12.2	20.1
12 17	2 59.31	+ 4 31.1	1.713	2.524	15.4	20.3

351421 2005 GU_{40} 11 15.2 191°.05 2°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.04	+14 34.0	2.242	3.044	13.1	21.7
10 18	3 44.41	+13 48.9	2.156	3.043	10.2	21.5
10 28	3 37.75	+12 58.5	2.095	3.041	6.8	21.3
11 7	3 29.64	+12 5.8	2.060	3.039	3.5	21.1
11 17	3 20.85	+11 14.7	2.055	3.037	2.6	21.1
11 27	3 12.33	+10 29.8	2.080	3.034	5.7	21.3
12 7	3 4.92	+ 9 54.7	2.133	3.031	9.1	21.5
12 17	2 59.28	+ 9 32.0	2.211	3.027	12.2	21.7

330927 2009 SG_{187} 11 15.2 271°.03 0°.2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.68	+18 53.8	2.293	3.086	13.1	20.8
10 18	3 45.06	+19 3.4	2.200	3.080	10.3	20.6
10 28	3 38.30	+19 7.9	2.130	3.074	7.0	20.4
11 7	3 29.95	+19 7.6	2.087	3.067	3.3	20.2
11 17	3 20.79	+19 3.5	2.073	3.061	0.7	19.9
11 27	3 11.78	+18 57.7	2.089	3.055	4.6	20.2
12 7	3 3.84	+18 52.9	2.133	3.048	8.2	20.4
12 17	2 57.70	+18 51.8	2.204	3.042	11.4	20.6

255035 2005 TJ_{89} 11 15.2 124°.33 0°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.47	+18 18.3	2.118	2.918	13.8	21.4
10 18	3 44.93	+18 7.9	2.037	2.921	10.8	21.3
10 28	3 38.19	+17 51.3	1.979	2.925	7.2	21.0
11 7	3 29.88	+17 29.7	1.947	2.928	3.3	20.8
11 17	3 20.83	+17 5.4	1.943	2.931	1.0	20.6
11 27	3 12.07	+16 41.6	1.970	2.934	4.9	20.9
12 7	3 4.52	+16 21.8	2.024	2.937	8.7	21.2
12 17	2 58.88	+16 9.2	2.104	2.940	12.0	21.4

376085 2010 VQ_{47} 11 15.2 6°.81 2°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.40	+24 21.1	1.159	1.990	21.1	20.9
10 18	3 46.76	+24 23.5	1.091	1.989	16.8	20.7
10 28	3 40.39	+24 9.5	1.041	1.990	11.8	20.4
11 7	3 31.16	+23 38.6	1.012	1.992	6.1	20.1
11 17	3 20.55	+22 53.1	1.007	1.994	2.2	19.9
11 27	3 10.46	+21 59.8	1.026	1.997	7.0	20.2
12 7	3 2.59	+21 7.6	1.069	2.001	12.5	20.5
12 17	2 58.05	+20 24.6	1.133	2.006	17.3	20.8

424524 2008 EJ_{71} 11 15.2 154°.65 0°.4/15.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.02	+18 44.7	1.877	2.673	15.5	22.0
10 18	3 49.48	+18 33.8	1.799	2.681	12.1	21.7
10 28	3 41.36	+18 15.5	1.744	2.688	8.2	21.5
11 7	3 31.36	+17 51.0	1.714	2.695	3.7	21.3
11 17	3 20.52	+17 22.5	1.713	2.701	1.0	21.1
11 27	3 10.07	+16 54.0	1.742	2.706	5.5	21.4
12 7	3 1.12	+16 29.8	1.799	2.711	9.7	21.7
12 17	2 54.46	+16 13.6	1.880	2.715	13.3	21.9

272332 2005 SD_{110} 11 15.2 342°.46 2°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.34	+16 24.3	1.443	2.271	17.8	20.5
10 18	3 45.83	+15 49.4	1.368	2.268	13.9	20.3
10 28	3 39.31	+15 6.0	1.313	2.266	9.4	20.0
11 7	3 30.54	+14 17.6	1.281	2.263	4.4	19.7
11 17	3 20.69	+13 29.1	1.276	2.261	2.6	19.6
11 27	3 11.22	+12 46.9	1.297	2.260	7.2	19.9
12 7	3 3.46	+12 16.7	1.343	2.258	12.0	20.1
12 17	2 58.33	+12 2.0	1.412	2.257	16.2	20.4

302691 2002 TN_{76} 11 15.2 52°.75 6°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.05	+33 16.5	1.784	2.544	17.5	20.3
10 18	3 50.25	+34 15.1	1.708	2.552	14.6	20.1
10 28	3 42.30	+34 58.5	1.652	2.560	11.3	19.9
11 7	3 31.95	+35 22.0	1.619	2.568	8.1	19.8
11 17	3 20.40	+35 23.1	1.613	2.576	6.3	19.7
11 27	3 9.19	+35 3.2	1.633	2.584	7.4	19.8
12 7	2 59.75	+34 28.1	1.680	2.593	10.2	20.0
12 17	2 53.09	+33 45.4	1.752	2.601	13.4	20.2

237661 2001 SJ_{215} 11 15.2 13°.91 2°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.94	+14 49.6	1.247	2.085	19.4	19.5
10 18	3 46.66	+14 44.9	1.182	2.088	15.2	19.2
10 28	3 40.04	+14 35.5	1.137	2.092	10.2	18.9
11 7	3 30.93	+14 23.9	1.113	2.096	4.8	18.7
11 17	3 20.64	+14 13.6	1.115	2.101	2.5	18.5
11 27	3 10.83	+14 8.8	1.142	2.107	7.5	18.8
12 7	3 3.00	+14 13.2	1.193	2.114	12.6	19.2
12 17	2 58.13	+14 29.4	1.265	2.122	17.0	19.4

220475 2004 BD_{143} 11 15.2 158°.75 0°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.82	+20 35.7	1.888	2.680	15.6	22.1
10 18	3 49.37	+20 28.4	1.808	2.687	12.2	21.9
10 28	3 41.32	+20 12.4	1.750	2.693	8.3	21.6
11 7	3 31.37	+19 48.3	1.718	2.699	3.9	21.4
11 17	3 20.55	+19 18.1	1.715	2.703	0.8	21.2
11 27	3 10.10	+18 45.8	1.741	2.707	5.3	21.5
12 7	3 1.15	+18 16.0	1.796	2.711	9.5	21.8
12 17	2 54.51	+17 52.9	1.876	2.714	13.1	22.0

129044 2004 VW_3 11 15.2 84°.09 0°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.08	+17 37.4	2.230	3.028	13.3	20.0
10 18	3 44.35	+17 17.5	2.162	3.046	10.3	19.9
10 28	3 37.64	+16 52.0	2.117	3.063	6.8	19.7
11 7	3 29.57	+16 22.6	2.100	3.081	3.1	19.5
11 17	3 20.96	+15 52.0	2.111	3.098	1.2	19.4
11 27	3 12.72	+15 23.4	2.152	3.115	4.7	19.6
12 7	3 5.68	+15 0.3	2.222	3.132	8.2	19.9
12 17	3 0.43	+14 45.0	2.318	3.149	11.2	20.1

35468 1998 EW_2 11 15.2 105°.74 3°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.34	+26 53.3	1.833	2.612	16.5	18.9
10 18	3 50.09	+27 28.8	1.756	2.621	13.3	18.7
10 28	3 41.98	+27 52.8	1.701	2.630	9.6	18.5
11 7	3 31.74	+28 3.0	1.670	2.639	5.7	18.3
11 17	3 20.49	+27 58.6	1.667	2.648	3.4	18.2
11 27	3 9.60	+27 42.0	1.693	2.656	5.7	18.3
12 7	3 0.33	+27 17.9	1.746	2.665	9.5	18.6
12 17	2 53.58	+26 52.1	1.824	2.673	12.9	18.8

221431 2005 YZ_{234} 11 15.2 60°.13 0°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.71	+18 25.1	2.065	2.867	14.1	20.8
10 18	3 44.35	+18 14.4	1.990	2.876	10.9	20.6
10 28	3 37.81	+17 57.5	1.938	2.884	7.3	20.4
11 7	3 29.72	+17 35.5	1.912	2.893	3.3	20.1
11 17	3 20.94	+17 11.0	1.914	2.902	0.9	20.0
11 27	3 12.50	+16 47.1	1.946	2.911	4.9	20.3
12 7	3 5.30	+16 27.5	2.006	2.921	8.7	20.5
12 17	3 0.03	+16 15.1	2.091	2.930	11.9	20.8

78292 2002 PQ_{52} 11 15.2 29°.63 3°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.95	+10 6.6	2.088	2.901	13.5	18.9
10 18	3 42.89	+ 9 39.3	2.015	2.906	10.6	18.7
10 28	3 36.78	+ 9 11.2	1.965	2.912	7.2	18.5
11 7	3 29.24	+ 8 45.7	1.941	2.917	4.2	18.3
11 17	3 21.05	+ 8 26.0	1.946	2.923	3.6	18.3
11 27	3 13.15	+ 8 15.4	1.979	2.929	6.3	18.5
12 7	3 6.41	+ 8 15.9	2.039	2.935	9.6	18.7
12 17	3 1.46	+ 8 28.4	2.124	2.942	12.6	18.9

229224 2004 XD_9 11 15.2 339°.90 2°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.92	+10 30.0	2.194	2.994	13.4	19.9
10 18	3 46.76	+10 42.6	2.109	2.993	10.5	19.7
10 28	3 39.42	+10 56.2	2.047	2.992	7.1	19.5
11 7	3 30.49	+11 12.3	2.012	2.991	3.7	19.2
11 17	3 20.77	+11 32.0	2.007	2.990	2.6	19.2
11 27	3 11.24	+11 56.7	2.032	2.989	5.6	19.4
12 7	3 2.85	+12 27.5	2.085	2.988	9.1	19.6
12 17	2 56.31	+13 4.9	2.164	2.987	12.2	19.8

367641 2009 WD_{33} 11 15.2 60°.07 2°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.70	+12 24.0	2.271	3.075	12.9	20.8
10 18	3 44.12	+12 16.5	2.193	3.080	10.0	20.6
10 28	3 37.56	+12 7.6	2.138	3.085	6.8	20.4
11 7	3 29.59	+11 59.1	2.110	3.090	3.4	20.2
11 17	3 20.97	+11 53.2	2.111	3.095	2.4	20.1
11 27	3 12.61	+11 52.3	2.142	3.100	5.3	20.3
12 7	3 5.34	+11 58.2	2.201	3.105	8.6	20.6
12 17	2 59.79	+12 12.4	2.286	3.110	11.6	20.8

196083 2002 TH_{87} 11 15.2 1°.13 0°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.97	+20 3.9	1.990	2.797	14.3	20.0
10 18	3 42.43	+19 50.6	1.908	2.796	11.2	19.8
10 28	3 36.65	+19 29.2	1.848	2.796	7.6	19.6
11 7	3 29.23	+19 1.1	1.814	2.796	3.5	19.4
11 17	3 21.05	+18 28.7	1.808	2.796	0.8	19.1
11 27	3 13.13	+17 55.8	1.830	2.797	5.0	19.5
12 7	3 6.44	+17 26.6	1.880	2.799	8.9	19.7
12 17	3 1.69	+17 4.8	1.955	2.801	12.3	19.9

512917 2016 XY_5 11 15.2 95°.43 3°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.11	+33 30.3	1.885	2.640	16.9	20.2
10 18	3 49.48	+32 34.5	1.812	2.660	13.7	20.0
10 28	3 41.21	+31 16.8	1.760	2.679	9.9	19.8
11 7	3 31.21	+29 37.8	1.734	2.699	6.0	19.6
11 17	3 20.66	+27 41.8	1.736	2.717	3.3	19.5
11 27	3 10.87	+25 36.9	1.770	2.736	5.2	19.7
12 7	3 2.88	+23 33.3	1.833	2.754	9.0	19.9
12 17	2 57.35	+21 39.7	1.923	2.771	12.4	20.2

516057 2015 TM_{176} 11 15.2 43°.78 4°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.23	+ 8 59.6	1.948	2.768	14.1	20.6
10 18	3 42.43	+ 7 48.4	1.879	2.773	11.1	20.4
10 28	3 36.51	+ 6 35.3	1.833	2.778	7.8	20.2
11 7	3 29.12	+ 5 25.8	1.813	2.783	5.2	20.0
11 17	3 21.09	+ 4 25.7	1.821	2.789	5.2	20.1
11 27	3 13.41	+ 3 40.2	1.857	2.794	7.8	20.2
12 7	3 6.95	+ 3 12.5	1.919	2.800	10.9	20.4
12 17	3 2.35	+ 3 3.5	2.005	2.806	13.8	20.6

348395 2005 GG_{181} 11 15.2 260°.97 0°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.33	+19 5.8	2.001	2.799	14.6	21.8
10 18	3 46.78	+19 4.9	1.901	2.784	11.5	21.5
10 28	3 39.73	+18 57.2	1.824	2.769	7.8	21.3
11 7	3 30.75	+18 43.4	1.773	2.754	3.7	21.0
11 17	3 20.72	+18 25.0	1.750	2.739	0.8	20.7
11 27	3 10.79	+18 5.1	1.757	2.723	5.3	21.0
12 7	3 2.09	+17 47.5	1.792	2.707	9.5	21.3
12 17	2 55.48	+17 35.9	1.851	2.691	13.2	21.5

108296 2001 HB_{65} 11 15.2 240°.80 0°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.81	+19 6.6	1.941	2.744	14.8	20.3
10 18	3 45.51	+18 46.1	1.853	2.739	11.6	20.0
10 28	3 38.78	+18 17.2	1.787	2.734	7.8	19.8
11 7	3 30.26	+17 41.7	1.747	2.728	3.6	19.5
11 17	3 20.85	+17 2.3	1.734	2.722	1.0	19.3
11 27	3 11.68	+16 23.4	1.751	2.717	5.4	19.6
12 7	3 3.81	+15 49.7	1.796	2.711	9.5	19.9
12 17	2 58.04	+15 25.0	1.865	2.704	13.1	20.1

444914 2008 AZ_{13} 11 15.2 321°.50 1°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.20	+24 29.1	1.753	2.555	16.2	21.1
10 18	3 44.67	+24 17.6	1.665	2.547	12.9	20.9
10 28	3 38.43	+23 52.9	1.597	2.539	9.0	20.6
11 7	3 30.16	+23 15.4	1.553	2.531	4.6	20.4
11 17	3 20.87	+22 27.2	1.537	2.524	1.6	20.1
11 27	3 11.83	+21 33.1	1.548	2.517	5.4	20.4
12 7	3 4.25	+20 39.5	1.587	2.511	9.8	20.6
12 17	2 59.01	+19 52.4	1.649	2.504	13.8	20.9

485813 2012 DK_{48} 11 15.2 197°.17 6°.5/19.9 17

10 8	3 54.28	+39 41.0	2.556	3.262	14.1	21.6
10 18	3 48.97	+40 28.1	2.462	3.260	12.1	21.5
10 28	3 41.14	+41 0.2	2.389	3.258	9.9	21.3
11 7	3 31.38	+41 13.6	2.339	3.256	7.8	21.2
11 17	3 20.61	+41 6.1	2.317	3.253	6.6	21.1
11 27	3 10.01	+40 38.4	2.322	3.251	7.0	21.1
12 7	3 0.71	+39 54.7	2.355	3.248	8.7	21.2
12 17	2 53.56	+39 0.9	2.415	3.245	10.8	21.4

256220 2006 VB_{129} 11 15.2 340°.97 1°.6/16.1 18

10 8	3 50.64	+23 12.5	1.940	2.734	15.2	21.4
10 18	3 46.26	+23 24.7	1.855	2.732	12.1	21.2
10 28	3 39.35	+23 27.6	1.792	2.731	8.4	20.9
11 7	3 30.55	+23 20.8	1.753	2.730	4.3	20.7
11 17	3 20.81	+23 5.1	1.743	2.730	1.7	20.5
11 27	3 11.32	+22 43.3	1.761	2.729	5.1	20.7
12 7	3 3.19	+22 19.7	1.807	2.728	9.0	21.0
12 17	2 57.25	+21 58.8	1.878	2.728	12.6	21.2

14193 1998 XZ_{40} 11 15.2 16°.96 3°.2/16.8 18

10 8	3 49.39	+25 52.0	1.740	2.536	16.5	17.1
10 18	3 45.58	+26 27.0	1.667	2.543	13.3	16.9
10 28	3 39.02	+26 50.9	1.615	2.550	9.5	16.7
11 7	3 30.42	+27 2.2	1.586	2.558	5.5	16.5
11 17	3 20.85	+27 0.3	1.585	2.567	3.2	16.4
11 27	3 11.61	+26 47.6	1.611	2.577	5.6	16.5
12 7	3 3.92	+26 28.7	1.663	2.587	9.4	16.8
12 17	2 58.65	+26 9.0	1.740	2.599	13.0	17.0

311750 2006 TE_{59} 11 15.2 22°.80 1°.3/16.1 17

10 8	3 48.77	+24 19.3	1.853	2.650	15.6	21.5
10 18	3 44.83	+24 2.9	1.772	2.651	12.4	21.3
10 28	3 38.37	+23 33.9	1.712	2.653	8.6	21.1
11 7	3 30.07	+22 53.2	1.677	2.655	4.3	20.8
11 17	3 20.93	+22 3.2	1.670	2.658	1.4	20.6
11 27	3 12.13	+21 8.6	1.692	2.660	5.1	20.9
12 7	3 4.77	+20 15.5	1.741	2.663	9.2	21.1
12 17	2 59.63	+19 29.4	1.814	2.665	12.9	21.4

85379 1996 HY_{24} 11 15.2 182°.27 1°.0/14.7 18

10 8	3 52.15	+18 8.6	1.932	2.733	15.0	20.4
10 18	3 47.26	+17 41.2	1.849	2.733	11.7	20.2
10 28	3 39.91	+17 5.9	1.787	2.734	7.9	20.0
11 7	3 30.77	+16 24.7	1.752	2.733	3.6	19.7
11 17	3 20.79	+15 40.9	1.746	2.733	1.4	19.6
11 27	3 11.13	+14 59.2	1.769	2.732	5.6	19.9
12 7	3 2.83	+14 24.1	1.819	2.730	9.7	20.1
12 17	2 56.69	+13 59.5	1.895	2.728	13.3	20.3

219101 1998 SH_{24} 11 15.2 28°.10 3°.2/14.1 18

10 8	3 48.83	+14 7.0	1.020	1.875	21.5	19.5
10 18	3 46.08	+13 39.3	0.975	1.890	16.7	19.2
10 28	3 39.70	+13 6.2	0.948	1.906	11.2	19.0
11 7	3 30.76	+12 32.7	0.941	1.924	5.5	18.7
11 17	3 20.83	+12 4.5	0.958	1.943	3.7	18.7
11 27	3 11.74	+11 47.7	0.999	1.963	8.5	19.0
12 7	3 4.96	+11 46.2	1.062	1.985	13.6	19.4
12 17	3 1.36	+12 1.2	1.145	2.007	18.0	19.7

133698 2003 UB_{227} 11 15.2 317°.37 0°.3/15.5 17

10 8	3 45.51	+23 23.5	2.087	2.885	14.1	19.7
10 18	3 42.09	+22 39.4	1.990	2.873	11.1	19.5
10 28	3 36.45	+21 42.3	1.916	2.860	7.6	19.2
11 7	3 29.19	+20 33.9	1.868	2.848	3.6	19.0
11 17	3 21.14	+19 18.0	1.848	2.836	0.7	18.7
11 27	3 13.31	+18 0.1	1.857	2.824	4.9	19.0
12 7	3 6.65	+16 46.5	1.895	2.813	8.9	19.2
12 17	3 1.89	+15 42.7	1.959	2.802	12.4	19.4

459967 2014 OC_{3} 11 15.2 31°.38 9°.2/21.7 16

10 8	3 52.74	+42 18.1	1.682	2.413	19.5	20.8
10 18	3 48.81	+43 11.6	1.622	2.432	16.8	20.7
10 28	3 41.44	+43 40.9	1.580	2.452	13.9	20.5
11 7	3 31.58	+43 41.0	1.558	2.472	11.2	20.4
11 17	3 20.65	+43 9.6	1.559	2.494	9.4	20.4
11 27	3 10.39	+42 10.0	1.586	2.516	9.4	20.4
12 7	3 2.29	+40 50.4	1.637	2.539	11.2	20.6
12 17	2 57.24	+39 21.4	1.712	2.562	13.6	20.8

171147 2005 GR_{68} 11 15.2 134°.84 6°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.85	+ 0 52.1	2.039	2.842	14.2	20.1
10 18	3 45.88	+ 0 8.0	1.972	2.849	11.5	20.0
10 28	3 38.78	− 0 30.2	1.928	2.855	8.7	19.8
11 7	3 30.19	− 0 57.5	1.909	2.861	6.8	19.7
11 17	3 20.95	− 1 9.7	1.918	2.867	6.9	19.7
11 27	3 12.06	− 1 3.9	1.955	2.872	8.8	19.8
12 7	3 4.42	− 0 39.7	2.018	2.877	11.5	20.0
12 17	2 58.67	+ 0 1.6	2.105	2.882	14.1	20.2

258305 2001 UL_{141} 11 15.2 358°.48 0°.7/15.6 18

10 8	3 49.44	+20 39.3	1.732	2.541	16.1	20.3
10 18	3 45.56	+20 47.1	1.652	2.539	12.7	20.1
10 28	3 39.01	+20 46.7	1.592	2.538	8.7	19.8
11 7	3 30.44	+20 38.4	1.558	2.538	4.2	19.6
11 17	3 20.88	+20 23.5	1.550	2.538	1.0	19.3
11 27	3 11.60	+20 5.4	1.570	2.538	5.4	19.6
12 7	3 3.78	+19 48.3	1.617	2.539	9.8	19.9
12 17	2 58.30	+19 36.3	1.688	2.540	13.6	20.1

315865 2008 HR_{59} 11 15.2 212°.59 2°.4/13.8 18

10 8	3 49.30	+11 42.1	2.436	3.235	12.3	21.7
10 18	3 44.53	+11 23.9	2.347	3.231	9.6	21.5
10 28	3 37.85	+11 4.1	2.281	3.225	6.5	21.3
11 7	3 29.78	+10 45.0	2.242	3.220	3.5	21.1
11 17	3 21.03	+10 28.9	2.234	3.214	2.7	21.1
11 27	3 12.45	+10 18.7	2.255	3.208	5.4	21.2
12 7	3 4.87	+10 16.5	2.305	3.202	8.6	21.4
12 17	2 58.91	+10 23.8	2.381	3.195	11.5	21.6

327163 2005 JC_{2} 11 15.2 78°.98 7°.5/10.3 16

10 8	3 51.35	+ 8 52.6	1.392	2.223	18.1	20.9
10 18	3 46.93	+ 6 27.1	1.343	2.242	14.2	20.7
10 28	3 39.70	+ 3 58.2	1.316	2.260	10.3	20.5
11 7	3 30.61	+ 1 37.7	1.315	2.279	7.7	20.4
11 17	3 20.88	− 0 22.6	1.341	2.297	8.2	20.5
11 27	3 11.88	− 1 53.2	1.394	2.316	11.3	20.7
12 7	3 4.72	− 2 50.3	1.471	2.334	14.7	21.0
12 17	3 0.09	− 3 14.9	1.567	2.351	17.8	21.3

366997 2005 YY_{234} 11 15.2 74°.28 0°.8/14.8 18

10 8	3 48.83	+17 15.5	2.139	2.940	13.7	21.1
10 18	3 44.36	+17 2.3	2.064	2.950	10.6	20.9
10 28	3 37.80	+16 43.7	2.012	2.959	7.1	20.7
11 7	3 29.75	+16 21.3	1.987	2.968	3.2	20.5
11 17	3 21.05	+15 57.5	1.990	2.978	1.2	20.3
11 27	3 12.67	+15 35.5	2.023	2.987	4.9	20.6
12 7	3 5.49	+15 18.5	2.085	2.997	8.5	20.9
12 17	3 0.17	+15 9.2	2.171	3.006	11.7	21.1

327468 2005 XT_{109} 11 15.2 346°.22 5°.5/12.5 18

10 8	3 46.71	+ 5 34.7	1.761	2.585	15.2	19.9
10 18	3 43.19	+ 4 58.4	1.684	2.578	12.1	19.7
10 28	3 37.28	+ 4 24.7	1.630	2.573	8.8	19.5
11 7	3 29.61	+ 3 58.5	1.600	2.567	6.0	19.3
11 17	3 21.08	+ 3 44.4	1.596	2.563	5.9	19.3
11 27	3 12.81	+ 3 46.1	1.619	2.559	8.5	19.5
12 7	3 5.84	+ 4 5.1	1.668	2.555	11.9	19.7
12 17	3 0.93	+ 4 41.1	1.739	2.553	15.1	19.9

327172 2005 JC_{89} 11 15.3 111°.69 0°.6/14.9 16

10 8	3 58.02	+17 55.0	1.879	2.669	15.7	22.2
10 18	3 51.57	+17 46.3	1.817	2.695	12.2	22.0
10 28	3 42.61	+17 31.1	1.777	2.720	8.1	21.8
11 7	3 31.94	+17 10.7	1.764	2.745	3.7	21.6
11 17	3 20.63	+16 47.4	1.780	2.768	1.1	21.4
11 27	3 9.91	+16 24.9	1.827	2.791	5.4	21.8
12 7	3 0.82	+16 6.9	1.902	2.812	9.4	22.1
12 17	2 54.07	+15 56.6	2.003	2.833	12.7	22.3

217697 1999 SU_{15} 11 15.3 26°.87 2°.1/16.4 18

10 8	3 49.17	+26 16.3	1.180	2.005	21.1	19.0
10 18	3 46.41	+25 53.4	1.117	2.012	16.8	18.8
10 28	3 40.03	+25 10.1	1.072	2.019	11.7	18.5
11 7	3 31.00	+24 7.2	1.049	2.028	6.1	18.2
11 17	3 20.82	+22 49.2	1.050	2.037	2.1	18.0
11 27	3 11.32	+21 25.2	1.076	2.047	6.7	18.3
12 7	3 4.06	+20 5.9	1.126	2.057	12.1	18.7
12 17	2 59.98	+19 0.2	1.198	2.069	16.7	19.0

351430 2005 GD_{119} 11 15.3 268°.87 0°.3/15.4 18

10 8	3 51.29	+19 51.6	1.916	2.716	15.1	20.8
10 18	3 46.88	+19 54.8	1.820	2.703	11.9	20.6
10 28	3 39.88	+19 50.7	1.746	2.691	8.2	20.3
11 7	3 30.89	+19 39.7	1.697	2.678	3.9	20.0
11 17	3 20.81	+19 23.0	1.677	2.665	0.8	19.8
11 27	3 10.86	+19 3.8	1.685	2.652	5.3	20.1
12 7	3 2.20	+18 46.1	1.721	2.639	9.6	20.3
12 17	2 55.73	+18 33.9	1.782	2.626	13.4	20.5

308905 2006 SK_{234} 11 15.3 89°.99 0°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.89	+22 32.9	1.957	2.750	15.0	21.1
10 18	3 46.15	+22 13.0	1.887	2.766	11.8	20.9
10 28	3 39.06	+21 42.6	1.839	2.781	8.0	20.7
11 7	3 30.34	+21 3.0	1.817	2.796	3.8	20.5
11 17	3 20.96	+20 17.0	1.823	2.811	0.9	20.3
11 27	3 12.03	+19 29.0	1.859	2.826	4.9	20.6
12 7	3 4.52	+18 44.3	1.923	2.841	8.8	20.9
12 17	2 59.13	+18 7.1	2.012	2.855	12.2	21.1

212980 2009 CW_{37} 11 15.3 183°.89 3°.1/17.4 18

10 8	3 53.17	+29 28.7	2.559	3.311	13.0	21.2
10 18	3 47.69	+29 42.5	2.465	3.311	10.6	21.0
10 28	3 40.06	+29 45.1	2.393	3.311	7.7	20.8
11 7	3 30.84	+29 35.2	2.348	3.310	4.9	20.7
11 17	3 20.84	+29 12.8	2.332	3.309	3.1	20.5
11 27	3 11.06	+28 40.0	2.346	3.307	4.6	20.6
12 7	3 2.41	+28 0.8	2.390	3.304	7.5	20.8
12 17	2 55.61	+27 20.0	2.461	3.301	10.3	21.0

398856 2013 CT_{50} 11 15.3 321°.14 3°.7/13.1 18

10 8	3 47.75	+12 2.9	1.713	2.536	15.6	21.2
10 18	3 44.11	+11 13.0	1.633	2.530	12.2	21.0
10 28	3 37.96	+10 18.6	1.575	2.525	8.4	20.8
11 7	3 29.94	+ 9 24.4	1.543	2.520	4.7	20.6
11 17	3 21.04	+ 8 35.6	1.537	2.516	4.1	20.5
11 27	3 12.41	+ 7 58.0	1.559	2.511	7.5	20.7
12 7	3 5.18	+ 7 35.5	1.607	2.507	11.5	20.9
12 17	3 0.12	+ 7 30.2	1.678	2.503	15.0	21.2

316982 2001 HS_{13} 11 15.3 140°.86 6°.8/ 8.4 18

10 8	3 45.75	− 6 21.4	3.083	3.861	10.4	21.2
10 18	3 41.22	− 7 40.8	3.027	3.873	8.8	21.1
10 28	3 35.32	− 8 52.9	2.996	3.885	7.5	21.1
11 7	3 28.53	− 9 53.2	2.992	3.896	6.8	21.0
11 17	3 21.36	−10 37.8	3.017	3.906	7.2	21.1
11 27	3 14.42	−11 4.2	3.068	3.917	8.3	21.2
12 7	3 8.27	−11 11.9	3.145	3.926	9.8	21.3
12 17	3 3.35	−11 1.8	3.245	3.936	11.3	21.4

168508 1999 TT_{68} 11 15.3 3°.95 1°.9/16.2 18

10 8	3 47.90	+23 46.4	1.369	2.191	18.9	19.9
10 18	3 45.08	+23 50.0	1.297	2.190	15.0	19.6
10 28	3 39.04	+23 40.0	1.243	2.190	10.5	19.3
11 7	3 30.57	+23 16.1	1.212	2.191	5.4	19.1
11 17	3 20.91	+22 40.5	1.206	2.194	1.9	18.8
11 27	3 11.66	+21 58.2	1.226	2.197	6.2	19.1
12 7	3 4.27	+21 16.4	1.271	2.200	11.2	19.4
12 17	2 59.71	+20 41.6	1.338	2.205	15.6	19.7

227967 2007 HN_{23} 11 15.3 159°.02 1°.0/14.5 18

10 8	3 47.30	+17 6.3	2.585	3.379	11.8	21.1
10 18	3 42.84	+16 37.7	2.501	3.383	9.1	20.9
10 28	3 36.64	+16 3.8	2.441	3.386	6.1	20.8
11 7	3 29.20	+15 26.4	2.409	3.390	2.8	20.6
11 17	3 21.22	+14 48.1	2.406	3.392	1.4	20.4
11 27	3 13.47	+14 12.4	2.434	3.395	4.5	20.7
12 7	3 6.68	+13 42.3	2.491	3.397	7.6	20.9
12 17	3 1.42	+13 20.3	2.575	3.400	10.4	21.1

196755 2003 SQ_{153} 11 15.3 111°.65 4°.3/12.2 18

10 8	3 47.31	+ 6 6.2	2.449	3.253	12.1	20.6
10 18	3 42.80	+ 5 22.7	2.380	3.263	9.5	20.5
10 28	3 36.57	+ 4 40.7	2.336	3.274	6.8	20.3
11 7	3 29.15	+ 4 3.9	2.319	3.284	4.7	20.2
11 17	3 21.24	+ 3 35.8	2.331	3.294	4.6	20.2
11 27	3 13.62	+ 3 19.5	2.372	3.304	6.6	20.4
12 7	3 7.00	+ 3 16.5	2.441	3.314	9.2	20.6
12 17	3 1.92	+ 3 27.0	2.534	3.324	11.6	20.7

77430 2001 GR_{5} 11 15.3 15°.34 4°.5/11.8 18

10 8	3 45.17	+ 9 27.0	2.102	2.919	13.3	18.9
10 18	3 41.52	+ 8 8.5	2.028	2.921	10.4	18.7
10 28	3 35.90	+ 6 47.3	1.977	2.922	7.3	18.5
11 7	3 28.90	+ 5 28.6	1.954	2.924	4.9	18.4
11 17	3 21.29	+ 4 18.4	1.959	2.925	5.0	18.4
11 27	3 13.98	+ 3 22.0	1.992	2.927	7.5	18.6
12 7	3 7.77	+ 2 42.9	2.052	2.930	10.5	18.8
12 17	3 3.29	+ 2 22.6	2.136	2.932	13.3	19.0

176352 2001 TH_{84} 11 15.3 359°.90 2°.7/16.7 18

10 8	3 51.20	+26 1.4	1.921	2.706	15.6	20.2
10 18	3 46.82	+26 21.6	1.836	2.706	12.5	20.0
10 28	3 39.81	+26 30.8	1.773	2.706	8.9	19.8
11 7	3 30.83	+26 27.6	1.734	2.706	5.1	19.6
11 17	3 20.87	+26 12.3	1.723	2.706	2.7	19.4
11 27	3 11.16	+25 47.3	1.740	2.706	5.3	19.6
12 7	3 2.87	+25 17.5	1.785	2.706	9.1	19.8
12 17	2 56.85	+24 48.2	1.855	2.707	12.6	20.1

474640 2004 VN_{112} 11 15.3 0°.68 0°.1/13.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 25.10	+11 19.4	47.447	48.243	0.7	23.4
10 18	3 24.54	+11 17.5	47.364	48.248	0.6	23.4
10 28	3 23.91	+11 15.5	47.307	48.252	0.4	23.4
11 7	3 23.23	+11 13.6	47.280	48.257	0.2	23.3
11 17	3 22.52	+11 12.0	47.282	48.262	0.2	23.3
11 27	3 21.83	+11 10.6	47.315	48.266	0.3	23.4
12 7	3 21.16	+11 9.6	47.377	48.271	0.5	23.4
12 17	3 20.55	+11 9.0	47.467	48.275	0.7	23.4

103598 2000 CR_{14} 11 15.3 3°.65 0°.3/15.4 18

10 8	3 48.25	+21 15.1	1.566	2.382	17.1	19.6
10 18	3 44.87	+20 57.2	1.489	2.382	13.5	19.3
10 28	3 38.65	+20 27.9	1.433	2.382	9.2	19.1
11 7	3 30.33	+19 48.6	1.401	2.383	4.3	18.8
11 17	3 21.01	+19 2.7	1.395	2.384	0.9	18.6
11 27	3 12.06	+18 15.5	1.417	2.385	5.9	18.9
12 7	3 4.72	+17 33.3	1.464	2.387	10.6	19.2
12 17	2 59.87	+17 1.1	1.535	2.390	14.6	19.4

520514 2014 LT_{31} 11 15.3 34°.18 3°.7/17.9 16

10 8	3 48.26	+31 3.2	1.875	2.652	16.2	20.7
10 18	3 44.46	+30 57.5	1.804	2.665	13.1	20.5
10 28	3 38.11	+30 34.9	1.754	2.678	9.6	20.3
11 7	3 29.97	+29 55.0	1.728	2.693	6.0	20.1
11 17	3 21.10	+28 59.4	1.729	2.707	3.7	20.0
11 27	3 12.70	+27 52.9	1.758	2.723	5.4	20.1
12 7	3 5.85	+26 42.4	1.814	2.738	8.8	20.4
12 17	3 1.26	+25 34.9	1.896	2.754	12.1	20.6

317310 2002 GP_{141} 11 15.3 131°.75 2°.8/13.7 16

10 8	3 54.25	+14 38.3	1.751	2.557	16.0	21.6
10 18	3 48.88	+13 45.8	1.683	2.572	12.4	21.4
10 28	3 40.95	+12 47.2	1.639	2.586	8.3	21.2
11 7	3 31.25	+11 46.5	1.620	2.599	4.2	21.0
11 17	3 20.84	+10 49.0	1.630	2.612	3.2	21.0
11 27	3 10.95	+10 0.4	1.669	2.624	6.8	21.2
12 7	3 2.65	+ 9 25.0	1.735	2.635	10.8	21.5
12 17	2 56.66	+ 9 5.5	1.825	2.645	14.2	21.7

485188 2010 TX_{45} 11 15.3 359°.94 0°.8/15.7 18

10 8	3 49.06	+21 37.3	1.896	2.698	15.2	21.4
10 18	3 45.04	+21 35.0	1.814	2.697	12.0	21.2
10 28	3 38.55	+21 23.6	1.753	2.697	8.2	20.9
11 7	3 30.23	+21 3.6	1.717	2.696	4.0	20.7
11 17	3 21.03	+20 36.9	1.709	2.697	1.0	20.5
11 27	3 12.11	+20 7.0	1.729	2.697	5.1	20.8
12 7	3 4.53	+19 38.4	1.777	2.698	9.2	21.0
12 17	2 59.10	+19 15.5	1.849	2.698	12.8	21.2

291594 2006 GD_{20} 11 15.3 113°.90 0°.1/15.3 17

10 8	3 58.08	+19 20.9	1.565	2.367	17.8	22.1
10 18	3 52.29	+19 21.0	1.501	2.384	14.0	21.9
10 28	3 43.46	+19 12.8	1.457	2.402	9.4	21.6
11 7	3 32.47	+18 56.9	1.437	2.418	4.4	21.4
11 17	3 20.58	+18 35.4	1.446	2.434	0.9	21.2
11 27	3 9.29	+18 12.4	1.483	2.450	6.0	21.6
12 7	2 59.90	+17 52.8	1.547	2.464	10.6	21.9
12 17	2 53.27	+17 40.9	1.636	2.478	14.5	22.2

149670 2004 FJ_{142} 11 15.3 162°.73 0°.8/15.7 18

10 8	3 54.18	+21 36.9	1.777	2.573	16.2	21.0
10 18	3 49.17	+21 35.9	1.697	2.577	12.8	20.8
10 28	3 41.39	+21 25.3	1.637	2.580	8.8	20.5
11 7	3 31.56	+21 5.3	1.603	2.583	4.3	20.3
11 17	3 20.76	+20 37.6	1.597	2.585	1.0	20.0
11 27	3 10.30	+20 6.1	1.620	2.587	5.5	20.4
12 7	3 1.41	+19 35.7	1.670	2.589	9.8	20.6
12 17	2 54.95	+19 11.4	1.745	2.590	13.6	20.9

92296 2000 EJ_{139} 11 15.3 92°.10 2°.4/16.4 17

10 8	3 59.12	+25 16.8	1.387	2.185	19.9	20.0
10 18	3 53.50	+25 23.3	1.330	2.208	15.8	19.8
10 28	3 44.42	+25 14.8	1.292	2.231	11.0	19.6
11 7	3 32.93	+24 50.4	1.277	2.253	5.8	19.4
11 17	3 20.51	+24 11.9	1.289	2.275	2.5	19.2
11 27	3 8.91	+23 25.0	1.328	2.296	6.3	19.5
12 7	2 59.57	+22 37.2	1.393	2.317	11.0	19.8
12 17	2 53.37	+21 55.9	1.482	2.337	15.1	20.1

270028 2001 JU_{7} 11 15.3 164°.19 0°.6/14.8 18

10 8	3 48.62	+16 53.9	2.948	3.732	10.7	21.4
10 18	3 43.66	+16 47.8	2.861	3.737	8.3	21.2
10 28	3 37.11	+16 38.0	2.799	3.741	5.6	21.0
11 7	3 29.43	+16 25.4	2.765	3.745	2.5	20.9
11 17	3 21.23	+16 11.5	2.761	3.749	0.9	20.7
11 27	3 13.22	+15 58.4	2.789	3.752	3.9	21.0
12 7	3 6.05	+15 48.3	2.847	3.754	6.7	21.2
12 17	3 0.26	+15 43.0	2.933	3.757	9.3	21.3

225297 1995 UB_2 11 15.3 294°.03 8°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.80	+ 9 18.6	1.465	2.299	17.2	20.2
10 18	3 44.78	+ 6 44.3	1.371	2.273	13.8	20.0
10 28	3 38.82	+ 3 55.3	1.301	2.246	10.3	19.7
11 7	3 30.53	+ 1 3.1	1.257	2.220	8.1	19.5
11 17	3 20.97	− 1 37.8	1.240	2.193	9.2	19.5
11 27	3 11.52	− 3 52.8	1.250	2.166	12.8	19.6
12 7	3 3.56	− 5 31.9	1.284	2.140	16.9	19.8
12 17	2 58.11	− 6 31.9	1.336	2.113	20.7	20.0

401811 1981 EM_{36} 11 15.3 295°.06 4°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.12	+31 26.3	1.901	2.672	16.2	21.2
10 18	3 46.40	+31 37.6	1.794	2.650	13.4	21.0
10 28	3 39.83	+31 32.9	1.707	2.628	10.1	20.7
11 7	3 30.99	+31 9.7	1.644	2.606	6.6	20.5
11 17	3 20.87	+30 27.1	1.607	2.583	4.4	20.3
11 27	3 10.82	+29 28.2	1.599	2.561	6.1	20.3
12 7	3 2.18	+28 19.4	1.617	2.539	9.8	20.5
12 17	2 55.96	+27 8.8	1.660	2.517	13.6	20.7

475920 2007 EG_{17} 11 15.3 290°.48 3°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.43	+26 1.5	1.556	2.355	18.0	21.1
10 18	3 48.78	+26 24.2	1.456	2.333	14.7	20.8
10 28	3 41.79	+26 34.5	1.375	2.312	10.6	20.5
11 7	3 32.04	+26 29.7	1.316	2.290	6.1	20.2
11 17	3 20.64	+26 9.0	1.284	2.268	3.3	19.9
11 27	3 9.21	+25 34.9	1.279	2.246	6.5	20.1
12 7	2 59.40	+24 53.8	1.299	2.225	11.4	20.3
12 17	2 52.47	+24 13.4	1.343	2.203	16.0	20.5

88146 Castello 11 15.3 322°.37 0°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.46	+21 31.0	2.001	2.800	14.6	19.7
10 18	3 44.49	+21 25.3	1.913	2.795	11.5	19.4
10 28	3 38.16	+21 10.7	1.847	2.790	7.8	19.2
11 7	3 30.07	+20 47.9	1.806	2.786	3.8	19.0
11 17	3 21.11	+20 18.8	1.793	2.782	0.9	18.7
11 27	3 12.38	+19 46.7	1.810	2.777	4.9	19.0
12 7	3 4.90	+19 16.2	1.854	2.774	8.9	19.3
12 17	2 59.44	+18 51.4	1.923	2.770	12.5	19.5

413701 2005 YR_{34} 11 15.3 224°.46 1°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.45	+24 57.3	2.820	3.590	11.5	21.8
10 18	3 43.80	+24 45.6	2.717	3.580	9.1	21.7
10 28	3 37.36	+24 24.8	2.637	3.570	6.4	21.5
11 7	3 29.61	+23 55.2	2.585	3.560	3.4	21.2
11 17	3 21.22	+23 18.1	2.562	3.549	1.3	21.1
11 27	3 12.96	+22 36.2	2.571	3.537	3.8	21.2
12 7	3 5.61	+21 53.1	2.609	3.525	6.9	21.4
12 17	2 59.77	+21 12.6	2.675	3.513	9.7	21.6

403440 2009 SY_{229} 11 15.3 38°.31 3°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.05	+27 41.6	1.945	2.727	15.5	20.7
10 18	3 45.82	+27 59.9	1.870	2.736	12.5	20.5
10 28	3 39.07	+28 5.8	1.815	2.745	9.0	20.3
11 7	3 30.49	+27 58.0	1.785	2.754	5.4	20.1
11 17	3 21.05	+27 37.1	1.783	2.764	3.2	20.0
11 27	3 11.97	+27 5.9	1.809	2.774	5.2	20.1
12 7	3 4.33	+26 29.4	1.862	2.784	8.7	20.4
12 17	2 58.90	+25 53.3	1.940	2.794	12.1	20.6

346717 2009 AB_1 11 15.3 341°.76 3°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.29	+14 35.4	1.392	2.229	17.8	20.3
10 18	3 43.63	+13 46.4	1.315	2.221	13.9	20.0
10 28	3 37.99	+12 49.2	1.259	2.214	9.5	19.8
11 7	3 30.11	+11 48.9	1.226	2.207	4.9	19.5
11 17	3 21.12	+10 51.8	1.218	2.201	3.7	19.4
11 27	3 12.45	+10 5.0	1.237	2.196	8.0	19.6
12 7	3 5.44	+ 9 34.4	1.279	2.192	12.7	19.9
12 17	3 1.00	+ 9 22.9	1.343	2.189	16.9	20.1

88264 2001 KN_{20} 11 15.3 48°.13 10°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 12.46	− 2 1.1	0.858	1.684	27.0	19.0
10 18	4 3.06	− 2 38.9	0.856	1.744	21.4	18.9
10 28	3 49.93	− 2 56.3	0.871	1.803	15.8	18.8
11 7	3 34.96	− 2 46.3	0.906	1.862	11.6	18.8
11 17	3 20.27	− 2 7.3	0.965	1.920	10.7	19.0
11 27	3 7.82	− 1 2.2	1.047	1.977	13.1	19.3
12 7	2 58.77	+ 0 22.2	1.152	2.034	16.5	19.7
12 17	2 53.50	+ 1 58.9	1.277	2.089	19.6	20.1

328640 2009 SK_{213} 11 15.3 281°.22 2°.8/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.89	+13 12.4	2.252	3.061	12.8	20.4
10 18	3 42.11	+12 17.5	2.161	3.051	10.0	20.2
10 28	3 36.36	+11 17.4	2.093	3.041	6.8	20.0
11 7	3 29.19	+10 15.9	2.053	3.031	3.7	19.8
11 17	3 21.32	+ 9 17.3	2.042	3.021	3.2	19.8
11 27	3 13.65	+ 8 26.5	2.060	3.010	6.1	19.9
12 7	3 6.99	+ 7 47.5	2.106	3.000	9.4	20.1
12 17	3 2.00	+ 7 22.7	2.176	2.990	12.4	20.3

162240 1999 TU_{208} 11 15.3 323°.64 8°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.79	+37 31.7	1.711	2.457	18.6	19.9
10 18	3 51.55	+38 50.2	1.624	2.451	16.0	19.7
10 28	3 43.72	+39 52.0	1.556	2.445	13.1	19.5
11 7	3 32.95	+40 30.3	1.510	2.440	10.3	19.3
11 17	3 20.50	+40 40.0	1.489	2.435	8.7	19.2
11 27	3 8.16	+40 20.8	1.493	2.430	9.3	19.2
12 7	2 57.70	+39 38.4	1.522	2.425	11.8	19.4
12 17	2 50.39	+38 42.1	1.574	2.421	14.8	19.5

167910 2005 EU_{99} 11 15.3 112°.79 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.92	+23 39.1	1.918	2.710	15.3	20.2
10 18	3 46.37	+23 20.6	1.840	2.718	12.1	20.0
10 28	3 39.36	+22 50.5	1.784	2.725	8.3	19.8
11 7	3 30.59	+22 9.5	1.754	2.732	4.1	19.6
11 17	3 21.05	+21 20.4	1.751	2.739	1.1	19.4
11 27	3 11.89	+20 27.7	1.778	2.746	5.0	19.7
12 7	3 4.17	+19 37.2	1.833	2.753	9.0	19.9
12 17	2 58.64	+18 53.8	1.913	2.759	12.6	20.2

1910 Mikhailov 11 15.3 247°.72 2°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.31	+13 58.8	2.319	3.126	12.6	16.5
10 18	3 42.33	+13 7.4	2.232	3.121	9.8	16.4
10 28	3 36.45	+12 10.9	2.169	3.117	6.6	16.1
11 7	3 29.21	+11 12.6	2.134	3.112	3.5	15.9
11 17	3 21.33	+10 16.7	2.127	3.108	2.8	15.9
11 27	3 13.68	+ 9 27.7	2.150	3.103	5.7	16.1
12 7	3 7.04	+ 8 49.2	2.201	3.098	9.0	16.3
12 17	3 2.04	+ 8 23.8	2.278	3.093	11.9	16.5

446279 2014 DZ_{15} 11 15.3 203°.69 4°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.08	+ 7 34.8	2.069	2.875	13.9	21.7
10 18	3 46.23	+ 6 52.8	1.986	2.871	11.0	21.5
10 28	3 39.17	+ 6 10.9	1.927	2.867	7.8	21.3
11 7	3 30.50	+ 5 33.2	1.893	2.863	5.1	21.1
11 17	3 21.06	+ 5 3.9	1.889	2.858	4.8	21.1
11 27	3 11.86	+ 4 47.1	1.913	2.852	7.4	21.2
12 7	3 3.85	+ 4 44.9	1.964	2.846	10.6	21.4
12 17	2 57.73	+ 4 58.0	2.039	2.840	13.7	21.6

274688 2008 UB_{45} 11 15.3 37°.11 0°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.66	+20 35.1	2.150	2.950	13.6	20.4
10 18	3 42.77	+20 12.1	2.073	2.957	10.7	20.2
10 28	3 36.80	+19 40.8	2.019	2.965	7.2	20.0
11 7	3 29.38	+19 2.7	1.991	2.972	3.3	19.8
11 17	3 21.32	+18 20.6	1.992	2.980	0.7	19.6
11 27	3 13.57	+17 38.6	2.022	2.988	4.6	19.9
12 7	3 7.00	+17 0.7	2.080	2.996	8.3	20.1
12 17	3 2.24	+16 30.6	2.163	3.005	11.5	20.4

362986 2013 CT_{72} 11 15.3 149°.71 5°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.28	+ 2 50.3	2.412	3.211	12.4	21.3
10 18	3 44.37	+ 1 56.4	2.343	3.219	9.9	21.1
10 28	3 37.66	+ 1 5.6	2.298	3.227	7.4	21.0
11 7	3 29.72	+ 0 22.7	2.281	3.235	5.7	20.9
11 17	3 21.26	− 0 8.5	2.292	3.242	5.8	20.9
11 27	3 13.08	− 0 24.8	2.332	3.248	7.6	21.0
12 7	3 5.95	− 0 24.9	2.399	3.254	10.0	21.2
12 17	3 0.41	− 0 9.1	2.490	3.260	12.4	21.4

67656 2000 SX_{243} 11 15.3 243°.84 3°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.64	+12 2.7	1.438	2.263	18.0	19.3
10 18	3 48.49	+11 25.7	1.361	2.259	14.1	19.0
10 28	3 41.23	+10 44.6	1.304	2.254	9.7	18.8
11 7	3 31.62	+10 3.9	1.271	2.250	5.3	18.5
11 17	3 20.84	+ 9 28.9	1.265	2.245	4.3	18.4
11 27	3 10.40	+ 9 5.3	1.285	2.240	8.3	18.7
12 7	3 1.69	+ 8 57.2	1.330	2.236	12.9	18.9
12 17	2 55.68	+ 9 6.6	1.397	2.231	17.0	19.2

1183 Jutta 11 15.3 194°.65 1°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.02	+22 20.6	1.902	2.692	15.5	16.8
10 18	3 48.97	+22 19.2	1.814	2.690	12.3	16.6
10 28	3 41.26	+22 8.1	1.748	2.688	8.5	16.3
11 7	3 31.56	+21 47.3	1.707	2.686	4.2	16.1
11 17	3 20.86	+21 18.1	1.695	2.683	1.2	15.9
11 27	3 10.43	+20 44.2	1.712	2.679	5.2	16.1
12 7	3 1.44	+20 10.6	1.757	2.675	9.5	16.4
12 17	2 54.75	+19 42.1	1.827	2.670	13.2	16.6

515587 2014 JG_{13} 11 15.3 90°.95 2°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.32	+10 54.6	2.020	2.824	14.3	21.7
10 18	3 47.06	+10 41.6	1.955	2.841	11.1	21.5
10 28	3 39.61	+10 28.0	1.913	2.858	7.5	21.3
11 7	3 30.65	+10 16.4	1.898	2.875	4.0	21.2
11 17	3 21.07	+10 9.2	1.911	2.892	3.1	21.1
11 27	3 11.91	+10 9.0	1.954	2.908	6.1	21.3
12 7	3 4.06	+10 17.8	2.025	2.924	9.5	21.6
12 17	2 58.20	+10 36.4	2.120	2.940	12.5	21.8

450491 2005 YT_{106} 11 15.3 314°.74 1°.8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.64	+25 33.1	2.001	2.792	14.8	21.9
10 18	3 43.98	+25 23.9	1.907	2.782	11.9	21.6
10 28	3 37.90	+25 2.2	1.835	2.772	8.4	21.4
11 7	3 30.00	+24 28.2	1.787	2.763	4.5	21.2
11 17	3 21.19	+23 43.5	1.768	2.754	1.9	21.0
11 27	3 12.58	+22 52.1	1.777	2.745	4.9	21.2
12 7	3 5.24	+21 59.6	1.813	2.736	8.9	21.4
12 17	2 59.97	+21 11.5	1.875	2.728	12.5	21.6

256852 2008 CB_{195} 11 15.3 101°.45 1°.1/14.6 18

10 8	3 48.88	+17 8.2	2.091	2.894	13.9	21.1
10 18	3 44.52	+16 44.2	2.012	2.899	10.8	20.9
10 28	3 38.01	+16 14.0	1.957	2.904	7.2	20.7
11 7	3 29.96	+15 39.9	1.928	2.909	3.3	20.5
11 17	3 21.22	+15 4.6	1.927	2.914	1.5	20.3
11 27	3 12.78	+14 32.2	1.956	2.919	5.2	20.6
12 7	3 5.56	+14 6.4	2.013	2.924	8.9	20.9
12 17	3 0.22	+13 49.8	2.095	2.928	12.1	21.1

111868 2002 EB_{90} 11 15.3 189°.76 0°.2/15.4 18

10 8	3 53.74	+21 30.0	1.592	2.397	17.4	20.4
10 18	3 49.16	+21 5.2	1.511	2.396	13.8	20.2
10 28	3 41.58	+20 28.1	1.450	2.396	9.4	19.9
11 7	3 31.75	+19 40.0	1.413	2.394	4.4	19.6
11 17	3 20.84	+18 44.3	1.404	2.393	0.9	19.4
11 27	3 10.31	+17 47.1	1.424	2.391	6.1	19.7
12 7	3 1.50	+16 55.2	1.470	2.388	10.9	20.0
12 17	2 55.33	+16 14.4	1.539	2.385	15.1	20.3

311344 2005 QB_{122} 11 15.3 353°.06 6°.2/11.5 18

10 8	3 45.43	+ 6 28.0	1.675	2.505	15.6	20.2
10 18	3 42.30	+ 5 14.9	1.604	2.501	12.4	20.0
10 28	3 36.75	+ 4 1.6	1.555	2.499	9.0	19.8
11 7	3 29.45	+ 2 54.9	1.530	2.496	6.5	19.6
11 17	3 21.33	+ 2 1.6	1.532	2.494	6.7	19.6
11 27	3 13.53	+ 1 27.4	1.561	2.493	9.4	19.8
12 7	3 7.08	+ 1 15.2	1.613	2.493	12.7	20.0
12 17	3 2.73	+ 1 25.2	1.688	2.493	15.8	20.2

442293 2011 SL_{23} 11 15.3 42°.85 6°.6/18.3 18

10 8	3 56.16	+32 32.6	1.607	2.377	18.8	21.0
10 18	3 51.47	+33 43.4	1.539	2.389	15.6	20.8
10 28	3 43.37	+34 38.6	1.490	2.401	12.0	20.6
11 7	3 32.65	+35 12.9	1.464	2.414	8.6	20.4
11 17	3 20.66	+35 23.1	1.463	2.427	6.7	20.4
11 27	3 9.08	+35 10.5	1.489	2.441	7.8	20.5
12 7	2 59.49	+34 41.1	1.541	2.455	10.8	20.7
12 17	2 52.92	+34 3.4	1.616	2.469	14.1	20.9

72713 2001 FQ_{86} 11 15.3 309°.27 5°.4/12.7 18 R

10 8	3 48.52	+ 7 36.9	1.569	2.398	16.6	18.8
10 18	3 45.18	+ 6 56.4	1.479	2.377	13.2	18.5
10 28	3 39.03	+ 6 15.6	1.409	2.356	9.5	18.2
11 7	3 30.66	+ 5 39.9	1.363	2.335	6.2	18.0
11 17	3 21.06	+ 5 15.0	1.343	2.315	5.9	17.9
11 27	3 11.55	+ 5 6.1	1.349	2.295	9.1	18.1
12 7	3 3.43	+ 5 16.4	1.380	2.276	13.3	18.3
12 17	2 57.70	+ 5 46.4	1.432	2.257	17.2	18.5

133845 2003 YL_{63} 11 15.3 4°.64 4°.9/12.4 18

10 8	3 46.53	+ 5 13.0	2.121	2.934	13.4	19.2
10 18	3 42.61	+ 4 36.5	2.047	2.934	10.6	19.1
10 28	3 36.69	+ 4 2.5	1.996	2.935	7.7	18.9
11 7	3 29.36	+ 3 35.1	1.971	2.936	5.4	18.8
11 17	3 21.37	+ 3 18.3	1.973	2.937	5.3	18.7
11 27	3 13.64	+ 3 15.0	2.004	2.938	7.5	18.9
12 7	3 7.00	+ 3 26.6	2.061	2.940	10.4	19.1
12 17	3 2.10	+ 3 53.0	2.141	2.942	13.1	19.3

9010 Candelo 11 15.3 235°.86 0°.8/15.7 18

10 8	3 54.05	+21 32.9	1.666	2.466	17.0	17.8
10 18	3 49.48	+21 32.8	1.575	2.458	13.5	17.5
10 28	3 41.90	+21 22.7	1.506	2.449	9.3	17.3
11 7	3 31.97	+21 2.5	1.461	2.440	4.5	17.0
11 17	3 20.81	+20 33.7	1.443	2.431	1.1	16.7
11 27	3 9.85	+20 0.3	1.453	2.421	5.9	17.0
12 7	3 0.48	+19 27.9	1.491	2.411	10.6	17.3
12 17	2 53.70	+19 1.9	1.552	2.401	14.8	17.5

109099 2001 QW_{34} 11 15.3 86°.74 1°.6/14.5 18

10 8	3 53.21	+16 49.0	1.543	2.358	17.4	20.2
10 18	3 48.50	+16 21.8	1.480	2.373	13.6	20.0
10 28	3 40.94	+15 47.3	1.437	2.387	9.0	19.8
11 7	3 31.37	+15 8.4	1.420	2.401	4.2	19.5
11 17	3 20.97	+14 29.1	1.429	2.415	2.0	19.4
11 27	3 11.14	+13 54.6	1.466	2.429	6.5	19.8
12 7	3 3.06	+13 29.7	1.529	2.443	10.9	20.0
12 17	2 57.53	+13 17.5	1.616	2.457	14.8	20.3

355502 2007 YK_{10} 11 15.3 86°.96 1°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.08	+23 0.1	1.935	2.726	15.3	21.1
10 18	3 47.38	+23 14.1	1.856	2.732	12.1	20.9
10 28	3 40.13	+23 19.1	1.798	2.737	8.4	20.6
11 7	3 31.03	+23 14.6	1.765	2.742	4.3	20.4
11 17	3 21.04	+23 1.3	1.761	2.748	1.6	20.2
11 27	3 11.35	+22 42.0	1.786	2.753	5.0	20.5
12 7	3 3.07	+22 20.9	1.838	2.758	9.0	20.7
12 17	2 57.00	+22 2.3	1.916	2.764	12.5	21.0

424548 2008 EP_{153} 11 15.3 60°.69 4°.3/17.1 18

10 8	3 56.71	+27 2.5	1.366	2.165	20.1	20.8
10 18	3 52.07	+27 47.3	1.303	2.179	16.2	20.5
10 28	3 43.83	+28 17.9	1.258	2.192	11.7	20.3
11 7	3 32.87	+28 30.7	1.236	2.206	7.1	20.1
11 17	3 20.67	+28 24.5	1.239	2.220	4.3	20.0
11 27	3 9.05	+28 2.4	1.268	2.234	6.9	20.2
12 7	2 59.63	+27 31.4	1.323	2.248	11.3	20.5
12 17	2 53.46	+26 59.4	1.401	2.262	15.4	20.8

96453 1998 GP_9 11 15.3 212°.50 3°.3/14.0 18 R

10 8	3 55.02	+ 9 0.8	1.820	2.626	15.5	18.6
10 18	3 49.68	+ 9 4.6	1.738	2.624	12.3	18.4
10 28	3 41.72	+ 9 10.3	1.678	2.622	8.5	18.2
11 7	3 31.79	+ 9 20.3	1.644	2.620	4.7	18.0
11 17	3 20.88	+ 9 36.7	1.638	2.618	3.6	17.9
11 27	3 10.21	+10 1.4	1.662	2.616	6.9	18.1
12 7	3 0.95	+10 35.3	1.712	2.614	10.8	18.3
12 17	2 53.96	+11 18.6	1.788	2.611	14.3	18.6

139389 2001 NQ_7 11 15.3 108°.27 0°.4/15.1 18

10 8	3 52.57	+17 57.9	2.101	2.895	14.1	20.6
10 18	3 47.31	+17 53.7	2.029	2.910	11.0	20.4
10 28	3 39.83	+17 43.9	1.981	2.925	7.4	20.2
11 7	3 30.80	+17 29.5	1.959	2.940	3.4	20.0
11 17	3 21.11	+17 12.4	1.966	2.954	0.9	19.9
11 27	3 11.79	+16 55.6	2.004	2.968	4.9	20.2
12 7	3 3.78	+16 42.4	2.069	2.982	8.6	20.4
12 17	2 57.75	+16 35.4	2.161	2.995	11.8	20.7

265219 2004 CW_{53} 11 15.3 311°.24 2°.5/16.3 18

10 8	3 49.99	+24 2.5	1.314	2.134	19.6	20.8
10 18	3 47.34	+24 18.9	1.222	2.114	15.9	20.5
10 28	3 41.09	+24 22.2	1.148	2.094	11.3	20.2
11 7	3 31.85	+24 10.7	1.097	2.075	6.1	19.9
11 17	3 20.83	+23 44.5	1.069	2.056	2.5	19.6
11 27	3 9.84	+23 7.3	1.067	2.038	7.0	19.8
12 7	3 0.70	+22 26.7	1.089	2.020	12.5	20.1
12 17	2 54.73	+21 50.8	1.133	2.003	17.5	20.3

226080 2002 LT_{14} 11 15.3 100°.82 0°.6/14.9 18

10 8	3 50.14	+16 41.8	2.338	3.132	12.9	20.3
10 18	3 45.28	+16 43.7	2.259	3.140	10.0	20.1
10 28	3 38.43	+16 41.6	2.203	3.148	6.7	19.9
11 7	3 30.16	+16 36.5	2.175	3.156	3.1	19.7
11 17	3 21.24	+16 29.9	2.176	3.164	1.0	19.5
11 27	3 12.57	+16 24.0	2.207	3.171	4.6	19.8
12 7	3 5.01	+16 21.3	2.268	3.179	8.0	20.1
12 17	2 59.18	+16 23.9	2.354	3.186	11.0	20.3

457250 2008 QD_{12} 11 15.3 106°.43 2°.0/16.9 18

10 8	3 48.97	+27 15.8	2.480	3.249	12.9	21.3
10 18	3 44.34	+27 1.7	2.400	3.261	10.3	21.1
10 28	3 37.76	+26 36.4	2.343	3.272	7.3	21.0
11 7	3 29.84	+26 0.0	2.312	3.283	4.1	20.8
11 17	3 21.34	+25 14.2	2.310	3.294	2.0	20.6
11 27	3 13.17	+24 22.5	2.339	3.305	4.1	20.8
12 7	3 6.13	+23 29.4	2.397	3.316	7.2	21.0
12 17	3 0.83	+22 39.5	2.482	3.327	10.1	21.2

488472 1998 YE_{15} 11 15.3 355°.27 5°.0/13.7 18

10 8	3 45.27	+ 9 45.8	1.034	1.896	20.8	20.7
10 18	3 43.70	+ 9 24.9	0.971	1.888	16.5	20.4
10 28	3 38.53	+ 9 4.1	0.924	1.882	11.5	20.1
11 7	3 30.56	+ 8 49.2	0.899	1.878	6.6	19.8
11 17	3 21.16	+ 8 45.9	0.895	1.876	5.5	19.8
11 27	3 12.17	+ 8 59.1	0.914	1.875	9.8	20.0
12 7	3 5.25	+ 9 30.9	0.955	1.877	14.9	20.3
12 17	3 1.51	+10 20.6	1.015	1.880	19.6	20.6

457975 2009 VG_{96} 11 15.3 297°.56 0°.3/15.5 17

10 8	3 46.49	+22 10.5	2.217	3.013	13.4	21.3
10 18	3 42.84	+21 40.2	2.113	2.994	10.6	21.1
10 28	3 37.04	+20 59.2	2.032	2.976	7.3	20.8
11 7	3 29.63	+20 8.9	1.977	2.957	3.5	20.6
11 17	3 21.37	+19 11.9	1.951	2.939	0.7	20.3
11 27	3 13.25	+18 12.6	1.954	2.921	4.7	20.6
12 7	3 6.19	+17 16.3	1.985	2.903	8.6	20.8
12 17	3 0.94	+16 27.8	2.042	2.885	12.0	21.0

345134 2005 SK_5 11 15.3 81°.26 4°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.89	+11 41.7	1.524	2.345	17.3	21.0
10 18	3 47.95	+10 12.9	1.475	2.371	13.4	20.8
10 28	3 40.36	+ 8 40.1	1.448	2.395	9.2	20.6
11 7	3 31.03	+ 7 10.6	1.446	2.420	5.6	20.5
11 17	3 21.13	+ 5 52.2	1.471	2.444	5.3	20.5
11 27	3 11.95	+ 4 51.7	1.525	2.468	8.5	20.8
12 7	3 4.53	+ 4 13.0	1.604	2.492	12.2	21.0
12 17	2 59.53	+ 3 56.8	1.705	2.515	15.5	21.3

86687 2000 FH_{41} 11 15.3 161°.05 0°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.19	+19 42.9	1.751	2.549	16.4	20.1
10 18	3 50.05	+19 54.7	1.671	2.552	12.9	19.9
10 28	3 42.09	+19 59.3	1.612	2.555	8.8	19.7
11 7	3 32.01	+19 56.8	1.578	2.558	4.2	19.4
11 17	3 20.90	+19 48.2	1.572	2.560	0.9	19.2
11 27	3 10.09	+19 36.3	1.595	2.562	5.6	19.5
12 7	3 0.84	+19 25.2	1.645	2.563	10.0	19.8
12 17	2 54.06	+19 18.9	1.720	2.564	13.8	20.0

214760 2006 TM_{103} 11 15.3 77°.44 0°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.61	+18 59.0	1.908	2.712	15.0	21.2
10 18	3 45.28	+18 31.4	1.836	2.723	11.7	21.0
10 28	3 38.61	+17 55.7	1.786	2.733	7.8	20.8
11 7	3 30.30	+17 14.0	1.761	2.743	3.6	20.6
11 17	3 21.27	+16 29.6	1.765	2.753	1.1	20.4
11 27	3 12.64	+15 47.2	1.798	2.763	5.3	20.7
12 7	3 5.39	+15 11.3	1.859	2.773	9.3	21.0
12 17	3 0.20	+14 45.5	1.944	2.783	12.7	21.2

257767 2000 CZ_{68} 11 15.3 294°.91 1°.0/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.33	+17 9.0	2.256	3.058	13.0	21.3
10 18	3 43.29	+16 49.5	2.167	3.053	10.2	21.1
10 28	3 37.22	+16 24.3	2.101	3.048	6.8	20.8
11 7	3 29.67	+15 55.2	2.061	3.042	3.2	20.6
11 17	3 21.39	+15 24.7	2.050	3.037	1.3	20.5
11 27	3 13.31	+14 56.2	2.069	3.032	4.9	20.7
12 7	3 6.28	+14 33.2	2.116	3.027	8.5	20.9
12 17	3 0.99	+14 18.5	2.188	3.022	11.7	21.1

144291 2004 CS_{116} 11 15.3 147°.32 1°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.90	+24 3.5	2.371	3.148	13.2	20.7
10 18	3 45.90	+23 43.5	2.288	3.157	10.4	20.6
10 28	3 38.85	+23 13.4	2.228	3.165	7.2	20.4
11 7	3 30.37	+22 34.0	2.195	3.173	3.6	20.2
11 17	3 21.26	+21 47.2	2.192	3.180	1.1	20.0
11 27	3 12.48	+20 57.0	2.220	3.186	4.3	20.2
12 7	3 4.87	+20 7.9	2.277	3.193	7.7	20.5
12 17	2 59.07	+19 24.1	2.360	3.198	10.8	20.7

482258 2011 PV_9 11 15.3 44°.67 11°.1/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.86	− 4 47.7	1.361	2.184	19.0	20.3
10 18	3 46.53	− 6 14.3	1.331	2.209	15.8	20.2
10 28	3 39.46	− 7 25.3	1.321	2.236	12.9	20.1
11 7	3 30.62	− 8 11.6	1.333	2.263	11.3	20.1
11 17	3 21.24	− 8 27.3	1.368	2.290	11.5	20.2
11 27	3 12.65	− 8 10.2	1.426	2.318	13.3	20.4
12 7	3 5.90	− 7 23.3	1.506	2.347	15.7	20.6
12 17	3 1.63	− 6 12.2	1.606	2.375	18.1	20.8

118635 2000 HE_{60} 11 15.3 159°.41 1°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.66	+18 41.3	1.742	2.549	16.1	20.7
10 18	3 47.17	+18 1.9	1.664	2.552	12.6	20.5
10 28	3 40.05	+17 12.8	1.607	2.555	8.4	20.2
11 7	3 31.02	+16 16.6	1.576	2.557	3.9	20.0
11 17	3 21.13	+15 17.9	1.573	2.560	1.6	19.8
11 27	3 11.62	+14 22.4	1.598	2.562	6.0	20.1
12 7	3 3.63	+13 35.8	1.651	2.563	10.4	20.4
12 17	2 57.96	+13 2.4	1.728	2.565	14.1	20.6

491527 2012 KP_{20} 11 15.3 251°.27 1°.6/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.48	+14 59.3	2.395	3.196	12.4	22.1
10 18	3 43.26	+14 37.6	2.305	3.191	9.7	21.9
10 28	3 37.13	+14 11.9	2.239	3.185	6.5	21.7
11 7	3 29.61	+13 44.1	2.199	3.180	3.1	21.4
11 17	3 21.42	+13 16.9	2.189	3.174	1.9	21.3
11 27	3 13.40	+12 53.4	2.209	3.169	5.0	21.5
12 7	3 6.37	+12 36.5	2.258	3.163	8.3	21.7
12 17	3 0.97	+12 28.5	2.332	3.158	11.3	21.9

90039 2002 UN_{48} 11 15.3 301°.03 5°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.50	+31 33.0	1.525	2.307	19.1	19.8
10 18	3 49.69	+32 7.6	1.440	2.301	15.8	19.6
10 28	3 42.40	+32 25.0	1.373	2.295	12.0	19.3
11 7	3 32.36	+32 21.1	1.328	2.289	8.0	19.1
11 17	3 20.83	+31 54.0	1.309	2.283	5.6	18.9
11 27	3 9.57	+31 6.5	1.315	2.277	7.3	19.0
12 7	3 0.21	+30 6.4	1.348	2.271	11.2	19.2
12 17	2 53.92	+29 3.2	1.403	2.266	15.3	19.5

144431 2004 EP_{31} 11 15.3 82°.58 3°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.29	+28 18.9	1.534	2.325	18.6	19.7
10 18	3 49.73	+28 20.1	1.466	2.338	15.0	19.5
10 28	3 41.99	+28 4.4	1.418	2.351	10.7	19.3
11 7	3 31.96	+27 30.5	1.392	2.364	6.2	19.1
11 17	3 20.96	+26 40.1	1.393	2.376	3.3	18.9
11 27	3 10.55	+25 38.7	1.422	2.389	6.0	19.1
12 7	3 2.09	+24 34.4	1.477	2.402	10.3	19.4
12 17	2 56.46	+23 35.0	1.556	2.414	14.3	19.7

201128 2002 JX_{63} 11 15.3 217°.50 0°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.80	+21 3.8	2.092	2.884	14.2	20.4
10 18	3 46.21	+20 32.5	1.999	2.878	11.2	20.2
10 28	3 39.29	+19 50.9	1.928	2.871	7.6	20.0
11 7	3 30.67	+19 0.7	1.883	2.864	3.5	19.7
11 17	3 21.21	+18 4.9	1.868	2.856	0.8	19.5
11 27	3 11.99	+17 8.2	1.883	2.848	5.0	19.8
12 7	3 4.00	+16 16.0	1.926	2.840	9.0	20.0
12 17	2 58.00	+15 32.9	1.995	2.831	12.5	20.2

303093 2004 BO_{32} 11 15.3 155°.85 0°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.18	+21 24.5	1.974	2.769	14.9	20.9
10 18	3 46.62	+21 22.7	1.891	2.770	11.7	20.7
10 28	3 39.63	+21 12.3	1.829	2.772	8.0	20.5
11 7	3 30.84	+20 53.7	1.794	2.773	3.9	20.2
11 17	3 21.19	+20 28.6	1.786	2.774	0.9	20.0
11 27	3 11.81	+20 0.3	1.808	2.775	5.0	20.3
12 7	3 3.77	+19 33.2	1.857	2.776	9.0	20.6
12 17	2 57.85	+19 11.4	1.932	2.777	12.5	20.8

286444 2002 AD_{52} 11 15.3 230°.63 2°.7/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.20	+11 34.5	2.485	3.286	12.0	21.4
10 18	3 43.74	+10 59.1	2.392	3.276	9.4	21.2
10 28	3 37.43	+10 21.0	2.322	3.266	6.4	21.0
11 7	3 29.76	+ 9 43.2	2.280	3.256	3.6	20.8
11 17	3 21.42	+ 9 8.9	2.267	3.245	3.0	20.7
11 27	3 13.23	+ 8 41.5	2.284	3.234	5.6	20.9
12 7	3 5.98	+ 8 23.8	2.330	3.222	8.7	21.1
12 17	3 0.28	+ 8 17.6	2.401	3.211	11.6	21.2

422492 2014 SR_{341} 11 15.3 230°.30 1°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.27	+16 5.6	2.394	3.196	12.4	20.7
10 18	3 42.28	+15 19.0	2.308	3.194	9.6	20.5
10 28	3 36.43	+14 26.3	2.245	3.193	6.4	20.3
11 7	3 29.28	+13 30.3	2.210	3.191	3.1	20.1
11 17	3 21.53	+12 34.8	2.205	3.189	2.1	20.0
11 27	3 14.00	+11 44.0	2.229	3.187	5.1	20.2
12 7	3 7.48	+11 1.7	2.282	3.185	8.4	20.4
12 17	3 2.55	+10 30.9	2.361	3.183	11.3	20.6

414024 2007 LB_{11} 11 15.3 63°.23 2°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.22	+10 11.3	2.208	3.013	13.2	21.2
10 18	3 44.61	+ 9 58.2	2.135	3.022	10.3	21.0
10 28	3 38.02	+ 9 45.1	2.085	3.030	7.0	20.8
11 7	3 30.02	+ 9 34.3	2.062	3.038	3.9	20.6
11 17	3 21.39	+ 9 28.4	2.068	3.047	3.1	20.6
11 27	3 13.05	+ 9 29.7	2.103	3.056	5.8	20.8
12 7	3 5.84	+ 9 40.0	2.166	3.064	9.0	21.0
12 17	3 0.38	+ 9 59.9	2.255	3.073	11.9	21.2

402754 2006 YW_{18} 11 15.3 85°.59 5°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.56	+35 26.7	2.158	2.899	15.4	20.7
10 18	3 47.87	+35 57.7	2.074	2.904	12.9	20.6
10 28	3 40.56	+36 12.8	2.011	2.909	10.1	20.4
11 7	3 31.30	+36 9.2	1.972	2.914	7.3	20.2
11 17	3 21.12	+35 45.7	1.959	2.919	5.7	20.1
11 27	3 11.24	+35 4.5	1.975	2.924	6.4	20.2
12 7	3 2.82	+34 10.9	2.018	2.929	8.8	20.4
12 17	2 56.68	+33 11.9	2.087	2.934	11.6	20.5

132659 2002 LH_{57} 11 15.3 137°.68 4°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.55	+ 9 17.1	1.902	2.716	14.6	19.9
10 18	3 45.16	+ 8 13.9	1.831	2.721	11.5	19.7
10 28	3 38.52	+ 7 8.8	1.782	2.726	8.1	19.5
11 7	3 30.29	+ 6 6.9	1.760	2.731	5.1	19.3
11 17	3 21.36	+ 5 13.7	1.765	2.736	5.0	19.3
11 27	3 12.77	+ 4 34.4	1.799	2.740	7.7	19.5
12 7	3 5.50	+ 4 12.1	1.860	2.744	11.0	19.7
12 17	3 0.21	+ 4 7.7	1.944	2.748	14.1	19.9

389845 2012 QX_{51} 11 15.3 4°.43 9°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.95	+ 1 44.1	1.408	2.243	17.7	20.3
10 18	3 43.87	− 0 9.3	1.348	2.243	14.5	20.1
10 28	3 38.01	− 1 58.9	1.310	2.243	11.4	19.9
11 7	3 30.15	− 3 34.3	1.295	2.244	9.6	19.8
11 17	3 21.38	− 4 45.3	1.305	2.245	10.2	19.9
11 27	3 13.05	− 5 25.1	1.338	2.246	12.8	20.0
12 7	3 6.34	− 5 31.6	1.394	2.249	15.9	20.2
12 17	3 2.05	− 5 7.4	1.468	2.251	18.9	20.5

480971 2003 UN_{317} 11 15.3 66°.54 4°.5/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.88	+31 33.3	1.637	2.413	18.2	21.0
10 18	3 49.26	+31 41.0	1.573	2.432	14.8	20.8
10 28	3 41.58	+31 30.3	1.528	2.450	11.0	20.7
11 7	3 31.76	+30 59.3	1.506	2.469	7.0	20.5
11 17	3 21.07	+30 9.2	1.510	2.487	4.5	20.4
11 27	3 11.02	+29 5.0	1.542	2.506	6.2	20.5
12 7	3 2.88	+27 54.7	1.601	2.525	9.8	20.8
12 17	2 57.46	+26 46.7	1.685	2.543	13.3	21.0

43066 1999 VJ_{135} 11 15.3 70°.48 3°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.77	+12 10.5	1.345	2.172	18.9	18.6
10 18	3 49.93	+11 38.7	1.293	2.191	14.7	18.4
10 28	3 42.00	+11 4.2	1.261	2.212	9.9	18.2
11 7	3 31.93	+10 31.4	1.253	2.232	5.2	18.0
11 17	3 21.06	+10 5.0	1.270	2.252	4.0	17.9
11 27	3 10.90	+ 9 49.9	1.314	2.272	7.9	18.2
12 7	3 2.74	+ 9 49.1	1.384	2.292	12.3	18.5
12 17	2 57.37	+10 3.4	1.475	2.312	16.1	18.8

346328 2008 RD_{15} 11 15.3 117°.71 3°.8/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.14	+29 44.8	1.813	2.584	16.9	21.4
10 18	3 50.06	+29 58.5	1.737	2.595	13.7	21.2
10 28	3 42.09	+29 57.0	1.682	2.606	10.0	21.0
11 7	3 32.04	+29 38.3	1.651	2.616	6.2	20.8
11 17	3 21.04	+29 2.7	1.647	2.626	3.9	20.6
11 27	3 10.49	+28 14.2	1.672	2.636	5.8	20.8
12 7	3 1.65	+27 19.2	1.724	2.645	9.4	21.0
12 17	2 55.36	+26 24.8	1.802	2.654	12.9	21.3

384295 2009 RH_{27} 11 15.3 29°.52 6°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.31	+28 41.4	1.141	1.955	22.4	20.0
10 18	3 50.95	+29 48.7	1.084	1.966	18.3	19.8
10 28	3 43.50	+30 39.1	1.045	1.979	13.5	19.6
11 7	3 32.91	+31 7.2	1.027	1.993	8.8	19.4
11 17	3 20.85	+31 10.2	1.031	2.008	6.1	19.3
11 27	3 9.47	+30 51.0	1.060	2.024	8.2	19.4
12 7	3 0.62	+30 17.8	1.112	2.041	12.5	19.7
12 17	2 55.44	+29 40.7	1.186	2.059	16.7	20.0

67183 2000 BT_{33} 11 15.3 53°.97 4°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.49	+ 7 25.1	2.161	2.972	13.2	19.0
10 18	3 43.31	+ 6 48.1	2.091	2.979	10.4	18.8
10 28	3 37.16	+ 6 12.0	2.044	2.985	7.3	18.7
11 7	3 29.65	+ 5 40.7	2.023	2.992	4.8	18.5
11 17	3 21.53	+ 5 17.7	2.030	2.999	4.5	18.5
11 27	3 13.70	+ 5 6.4	2.066	3.006	6.9	18.7
12 7	3 6.99	+ 5 8.4	2.129	3.014	9.8	18.9
12 17	3 2.00	+ 5 24.1	2.216	3.021	12.6	19.1

77255 2001 FY_{46} 11 15.3 218°.75 4°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.41	+29 54.0	2.120	2.878	15.1	20.3
10 18	3 50.18	+30 34.4	2.025	2.873	12.4	20.1
10 28	3 42.24	+31 3.4	1.951	2.867	9.3	19.9
11 7	3 32.19	+31 18.1	1.902	2.861	6.1	19.7
11 17	3 21.00	+31 16.7	1.881	2.855	4.3	19.5
11 27	3 9.92	+31 0.5	1.890	2.848	5.8	19.6
12 7	3 0.19	+30 33.7	1.927	2.841	9.0	19.8
12 17	2 52.75	+30 1.9	1.989	2.833	12.2	20.0

267134 2000 EQ_{63} 11 15.3 249°.05 1°.9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.25	+15 57.0	1.808	2.615	15.6	21.6
10 18	3 47.80	+15 27.2	1.712	2.601	12.3	21.4
10 28	3 40.67	+14 50.3	1.638	2.586	8.3	21.1
11 7	3 31.46	+14 8.9	1.589	2.570	4.0	20.8
11 17	3 21.15	+13 26.5	1.568	2.554	2.3	20.7
11 27	3 10.96	+12 48.3	1.576	2.537	6.4	20.9
12 7	3 2.12	+12 19.1	1.612	2.520	10.8	21.1
12 17	2 55.54	+12 2.6	1.671	2.503	14.8	21.3

119089 2001 NR_{21} 11 15.3 59°.83 3°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.04	+13 52.9	1.395	2.222	18.3	19.6
10 18	3 47.82	+13 14.2	1.338	2.237	14.2	19.4
10 28	3 40.62	+12 30.4	1.301	2.253	9.6	19.2
11 7	3 31.33	+11 45.9	1.289	2.269	4.9	18.9
11 17	3 21.21	+11 6.1	1.302	2.285	3.5	18.9
11 27	3 11.72	+10 36.5	1.342	2.301	7.6	19.2
12 7	3 4.08	+10 21.2	1.407	2.318	12.0	19.5
12 17	2 59.10	+10 21.8	1.495	2.334	15.8	19.8

145474 2005 SA_{278} 11 15.3 353°.42 0°.4/11.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 25.95	+ 3 55.0	35.126	35.922	1.0	21.8
10 18	3 25.26	+ 3 49.7	35.036	35.913	0.8	21.7
10 28	3 24.48	+ 3 44.6	34.973	35.904	0.6	21.7
11 7	3 23.64	+ 3 40.0	34.938	35.895	0.4	21.7
11 17	3 22.77	+ 3 36.1	34.932	35.886	0.4	21.7
11 27	3 21.90	+ 3 32.9	34.957	35.877	0.6	21.7
12 7	3 21.08	+ 3 30.7	35.009	35.868	0.8	21.7
12 17	3 20.33	+ 3 29.4	35.089	35.859	1.0	21.8

484769 2009 BT_{114} 11 15.3 126°.01 5°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.80	+ 3 38.9	1.943	2.751	14.6	21.2
10 18	3 46.08	+ 2 54.0	1.874	2.757	11.7	21.0
10 28	3 39.12	+ 2 12.9	1.828	2.763	8.6	20.8
11 7	3 30.59	+ 1 40.6	1.808	2.768	6.3	20.7
11 17	3 21.37	+ 1 21.5	1.815	2.774	6.2	20.7
11 27	3 12.49	+ 1 19.0	1.851	2.779	8.5	20.8
12 7	3 4.89	+ 1 34.2	1.912	2.784	11.4	21.0
12 17	2 59.27	+ 2 6.2	1.997	2.789	14.2	21.2

341946 2008 PW 11 15.3 60°.23 0°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.23	+20 50.5	1.456	2.273	18.2	20.2
10 18	3 47.20	+20 9.7	1.394	2.287	14.2	20.0
10 28	3 40.21	+19 16.2	1.352	2.302	9.5	19.8
11 7	3 31.15	+18 13.2	1.334	2.316	4.4	19.5
11 17	3 21.27	+17 5.9	1.343	2.331	1.2	19.3
11 27	3 11.99	+16 1.4	1.380	2.347	6.3	19.7
12 7	3 4.57	+15 6.8	1.442	2.362	11.0	20.0
12 17	2 59.76	+14 26.8	1.528	2.377	15.0	20.3

120629 1996 GC_{8} 11 15.3 116°.28 0°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.13	+19 21.0	1.844	2.640	15.8	20.7
10 18	3 49.65	+19 13.7	1.775	2.656	12.3	20.5
10 28	3 41.61	+18 58.8	1.727	2.671	8.3	20.3
11 7	3 31.76	+18 37.3	1.706	2.686	3.8	20.1
11 17	3 21.15	+18 11.4	1.713	2.701	0.8	19.9
11 27	3 10.99	+17 44.8	1.749	2.715	5.3	20.2
12 7	3 2.40	+17 21.9	1.814	2.729	9.4	20.5
12 17	2 56.10	+17 6.3	1.903	2.742	12.9	20.7

340112 2005 WY_{164} 11 15.3 109°.75 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.94	+23 22.5	1.740	2.534	16.6	20.8
10 18	3 48.96	+23 6.9	1.669	2.548	13.1	20.6
10 28	3 41.25	+22 39.3	1.620	2.561	9.0	20.4
11 7	3 31.62	+22 0.3	1.596	2.574	4.4	20.2
11 17	3 21.17	+21 12.8	1.599	2.587	1.2	20.0
11 27	3 11.23	+20 21.7	1.631	2.599	5.3	20.3
12 7	3 2.94	+19 33.2	1.691	2.611	9.6	20.6
12 17	2 57.09	+18 52.5	1.776	2.623	13.3	20.8

255073 Victoriabond 11 15.3 70°.08 0°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.79	+18 7.6	2.034	2.836	14.3	20.9
10 18	3 45.35	+17 57.5	1.960	2.845	11.1	20.7
10 28	3 38.66	+17 41.2	1.908	2.854	7.5	20.5
11 7	3 30.40	+17 20.2	1.882	2.863	3.4	20.3
11 17	3 21.42	+16 56.8	1.885	2.872	1.0	20.1
11 27	3 12.77	+16 34.2	1.916	2.882	5.0	20.4
12 7	3 5.40	+16 16.0	1.976	2.891	8.8	20.7
12 17	2 59.99	+16 5.2	2.061	2.900	12.1	20.9

363624 2004 QB_{29} 11 15.3 80°.82 4°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.99	+ 4 57.6	2.176	2.980	13.4	21.0
10 18	3 45.24	+ 4 35.4	2.104	2.986	10.6	20.9
10 28	3 38.47	+ 4 16.6	2.055	2.992	7.6	20.7
11 7	3 30.28	+ 4 4.6	2.032	2.998	5.2	20.6
11 17	3 21.46	+ 4 2.4	2.038	3.003	4.9	20.5
11 27	3 12.92	+ 4 12.5	2.072	3.009	7.1	20.7
12 7	3 5.51	+ 4 35.6	2.134	3.015	10.0	20.9
12 17	2 59.87	+ 5 11.3	2.221	3.021	12.7	21.1

335737 2007 DB_{102} 11 15.3 73°.20 5°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.72	+ 8 27.6	1.497	2.323	17.4	20.5
10 18	3 47.39	+ 7 35.5	1.437	2.333	13.7	20.3
10 28	3 40.28	+ 6 43.2	1.398	2.344	9.6	20.1
11 7	3 31.20	+ 5 56.7	1.383	2.355	6.1	19.9
11 17	3 21.30	+ 5 21.7	1.394	2.366	5.7	19.9
11 27	3 11.91	+ 5 3.2	1.432	2.377	8.8	20.2
12 7	3 4.22	+ 5 3.7	1.494	2.388	12.6	20.4
12 17	2 59.00	+ 5 23.0	1.579	2.399	16.1	20.7

66035 1998 QA_{70} 11 15.3 77°.27 0°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.12	+23 7.2	2.191	2.981	13.7	19.6
10 18	3 43.92	+22 33.2	2.113	2.990	10.8	19.4
10 28	3 37.63	+21 48.5	2.058	2.999	7.3	19.2
11 7	3 29.90	+20 54.8	2.029	3.008	3.5	19.0
11 17	3 21.56	+19 55.0	2.029	3.017	0.7	18.8
11 27	3 13.57	+18 54.0	2.059	3.026	4.5	19.1
12 7	3 6.78	+17 56.8	2.118	3.035	8.1	19.3
12 17	3 1.84	+17 7.8	2.202	3.044	11.3	19.5

450718 2007 DE_{67} 11 15.3 305°.92 6°.7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.19	+ 3 15.3	1.939	2.757	14.2	21.3
10 18	3 42.71	+ 2 3.7	1.856	2.743	11.5	21.1
10 28	3 37.03	+ 0 53.8	1.796	2.730	8.8	20.9
11 7	3 29.72	− 0 8.2	1.761	2.716	6.9	20.8
11 17	3 21.59	− 0 55.9	1.753	2.703	7.2	20.8
11 27	3 13.63	− 1 24.2	1.771	2.690	9.5	20.9
12 7	3 6.80	− 1 30.5	1.815	2.677	12.4	21.1
12 17	3 1.84	− 1 15.1	1.880	2.665	15.3	21.2

417953 2007 TM_{68} 11 15.3 334°.81 1°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.01	+20 40.8	2.100	2.897	14.0	20.5
10 18	3 45.02	+21 8.9	2.004	2.884	11.1	20.3
10 28	3 38.69	+21 31.5	1.930	2.872	7.7	20.1
11 7	3 30.55	+21 48.3	1.882	2.861	3.9	19.8
11 17	3 21.41	+21 59.0	1.863	2.850	1.2	19.6
11 27	3 12.34	+22 5.1	1.872	2.840	4.8	19.8
12 7	3 4.40	+22 9.2	1.910	2.830	8.6	20.1
12 17	2 58.40	+22 14.4	1.972	2.821	12.1	20.3

280309 2003 QM_{66} 11 15.3 130°.57 20°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.46	−20 34.1	1.215	1.999	22.9	20.0
10 18	3 49.46	−23 25.4	1.186	2.002	21.4	19.9
10 28	3 42.00	−25 45.3	1.174	2.005	20.5	19.9
11 7	3 32.08	−27 18.6	1.179	2.007	20.4	19.9
11 17	3 21.15	−27 55.6	1.200	2.010	21.1	19.9
11 27	3 10.93	−27 33.7	1.238	2.012	22.4	20.1
12 7	3 2.86	−26 18.9	1.290	2.014	23.9	20.2
12 17	2 57.83	−24 21.2	1.354	2.016	25.5	20.3

440864 2006 SC_{355} 11 15.3 11°.12 6°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.23	+ 7 41.5	1.514	2.351	16.6	20.1
10 18	3 42.38	+ 6 10.3	1.451	2.353	13.1	19.9
10 28	3 36.95	+ 4 37.4	1.409	2.356	9.5	19.7
11 7	3 29.69	+ 3 10.9	1.392	2.360	6.8	19.6
11 17	3 21.62	+ 1 59.1	1.401	2.364	7.1	19.6
11 27	3 13.97	+ 1 9.0	1.436	2.370	9.9	19.8
12 7	3 7.81	+ 0 44.0	1.494	2.376	13.4	20.0
12 17	3 3.89	+ 0 44.2	1.574	2.382	16.6	20.3

389506 2010 GN_{25} 11 15.3 113°.18 0°.7/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.75	+16 10.6	2.177	2.964	13.9	21.5
10 18	3 49.71	+16 18.7	2.107	2.984	10.8	21.4
10 28	3 41.46	+16 23.2	2.061	3.003	7.2	21.2
11 7	3 31.68	+16 24.6	2.041	3.022	3.3	21.0
11 17	3 21.25	+16 24.2	2.052	3.040	1.1	20.8
11 27	3 11.20	+16 24.2	2.094	3.057	4.8	21.1
12 7	3 2.47	+16 27.0	2.165	3.074	8.4	21.4
12 17	2 55.73	+16 34.6	2.262	3.091	11.5	21.6

40186 1998 RN_{60} 11 15.3 77°.77 1°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.56	+17 6.2	2.199	3.002	13.3	18.7
10 18	3 43.38	+16 21.8	2.126	3.013	10.3	18.5
10 28	3 37.22	+15 30.8	2.077	3.024	6.8	18.3
11 7	3 29.71	+14 36.2	2.055	3.036	3.2	18.1
11 17	3 21.64	+13 41.7	2.062	3.047	1.8	18.0
11 27	3 13.91	+12 51.9	2.098	3.058	5.1	18.3
12 7	3 7.32	+12 10.6	2.163	3.069	8.6	18.5
12 17	3 2.49	+11 40.8	2.253	3.081	11.6	18.7

265276 2004 FE_{50} 11 15.3 240°.64 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.57	+22 30.4	1.788	2.582	16.2	21.7
10 18	3 49.01	+22 23.2	1.692	2.571	12.9	21.5
10 28	3 41.60	+22 5.0	1.617	2.559	8.9	21.2
11 7	3 31.97	+21 35.9	1.567	2.546	4.4	20.9
11 17	3 21.17	+20 57.4	1.545	2.533	1.1	20.6
11 27	3 10.52	+20 13.9	1.552	2.520	5.6	20.9
12 7	3 1.33	+19 31.2	1.586	2.506	10.2	21.2
12 17	2 54.56	+18 55.0	1.645	2.492	14.2	21.4

60523 2000 EM_{37} 11 15.3 248°.49 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.99	+22 42.1	1.757	2.554	16.4	20.1
10 18	3 48.61	+22 35.1	1.662	2.542	13.1	19.9
10 28	3 41.36	+22 16.8	1.588	2.530	9.0	19.6
11 7	3 31.87	+21 47.2	1.538	2.517	4.5	19.3
11 17	3 21.19	+21 8.1	1.517	2.504	1.2	19.1
11 27	3 10.67	+20 23.7	1.523	2.491	5.6	19.3
12 7	3 1.63	+19 40.0	1.557	2.478	10.2	19.6
12 17	2 55.03	+19 2.8	1.615	2.464	14.4	19.8

442375 2011 TY_{2} 11 15.3 25°.60 0°.1/15.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.15	+19 3.5	1.495	2.315	17.7	21.7
10 18	3 46.47	+19 4.0	1.427	2.322	13.8	21.5
10 28	3 39.86	+18 56.3	1.380	2.330	9.3	21.3
11 7	3 31.11	+18 41.7	1.356	2.338	4.3	21.0
11 17	3 21.37	+18 22.4	1.359	2.347	0.9	20.8
11 27	3 12.07	+18 2.6	1.389	2.357	6.0	21.1
12 7	3 4.48	+17 46.8	1.444	2.367	10.6	21.4
12 17	2 59.47	+17 39.1	1.522	2.378	14.7	21.7

40031 1998 KP_{2} 11 15.3 280°.40 4°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 58.33	+ 5 33.9	1.764	2.565	16.2	17.9
10 18	3 52.42	+ 5 52.9	1.682	2.563	12.9	17.6
10 28	3 43.71	+ 6 18.3	1.622	2.561	9.1	17.4
11 7	3 32.90	+ 6 52.2	1.587	2.559	5.5	17.2
11 17	3 21.00	+ 7 36.1	1.581	2.558	4.4	17.1
11 27	3 9.35	+ 8 30.4	1.605	2.556	7.5	17.3
12 7	2 59.19	+ 9 34.3	1.657	2.554	11.3	17.5
12 17	2 51.43	+10 46.5	1.734	2.553	14.9	17.8

302625 2002 RD_{1} 11 15.3 45°.17 5°.7/12.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.83	+ 8 6.1	1.516	2.346	17.0	20.8
10 18	3 45.03	+ 6 59.0	1.463	2.361	13.3	20.6
10 28	3 38.61	+ 5 52.1	1.431	2.378	9.4	20.4
11 7	3 30.42	+ 4 52.0	1.424	2.394	6.2	20.2
11 17	3 21.53	+ 4 5.0	1.443	2.411	6.1	20.3
11 27	3 13.20	+ 3 36.6	1.488	2.429	9.0	20.5
12 7	3 6.47	+ 3 28.8	1.558	2.446	12.5	20.7
12 17	3 2.06	+ 3 41.5	1.649	2.464	15.7	21.0

266046 2006 KG_{57} 11 15.3 230°.87 2°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.78	+12 36.8	2.704	3.503	11.2	21.4
10 18	3 42.52	+12 7.0	2.612	3.496	8.7	21.2
10 28	3 36.59	+11 34.5	2.543	3.488	5.9	21.0
11 7	3 29.44	+11 1.7	2.502	3.480	3.1	20.8
11 17	3 21.71	+10 31.2	2.491	3.472	2.5	20.8
11 27	3 14.12	+10 6.2	2.511	3.464	5.0	20.9
12 7	3 7.37	+ 9 49.0	2.559	3.455	7.9	21.1
12 17	3 2.04	+ 9 41.5	2.633	3.446	10.6	21.3

49425 1998 XE_{80} 11 15.3 335°.01 4°.5/12.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.63	+13 7.3	1.494	2.331	16.8	18.3
10 18	3 42.21	+11 45.8	1.413	2.319	13.2	18.0
10 28	3 37.05	+10 15.3	1.354	2.307	9.1	17.8
11 7	3 29.85	+ 8 42.3	1.319	2.296	5.3	17.5
11 17	3 21.62	+ 7 15.2	1.309	2.286	5.1	17.5
11 27	3 13.66	+ 6 2.8	1.327	2.277	8.8	17.7
12 7	3 7.18	+ 5 11.6	1.368	2.268	13.1	17.9
12 17	3 3.04	+ 4 44.5	1.431	2.261	16.9	18.1

392350 2010 FD_{86} 11 15.4 244°.28 3°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.50	+27 37.6	1.962	2.735	15.7	22.1
10 18	3 49.68	+28 5.5	1.864	2.725	12.8	21.9
10 28	3 42.05	+28 22.3	1.787	2.714	9.3	21.6
11 7	3 32.21	+28 25.4	1.735	2.703	5.7	21.4
11 17	3 21.15	+28 13.9	1.711	2.691	3.5	21.3
11 27	3 10.18	+27 49.7	1.716	2.679	5.7	21.4
12 7	3 0.60	+27 17.5	1.748	2.667	9.4	21.6
12 17	2 53.40	+26 43.3	1.806	2.655	13.1	21.8

520298 2014 FW_{68} 11 15.4 208°.18 9°.1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.67	− 3 48.3	2.212	3.005	13.5	21.7
10 18	3 45.04	− 6 9.4	2.142	3.000	11.5	21.5
10 28	3 38.41	− 8 26.0	2.097	2.995	9.8	21.4
11 7	3 30.32	−10 29.2	2.081	2.989	9.1	21.4
11 17	3 21.55	−12 10.6	2.092	2.982	9.9	21.4
11 27	3 13.01	−13 24.2	2.130	2.975	11.6	21.5
12 7	3 5.54	−14 8.0	2.192	2.967	13.7	21.7
12 17	2 59.80	−14 23.0	2.274	2.959	15.7	21.8

431597 2007 VX_{183} 11 15.4 350°.25 7°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.78	+ 5 5.2	1.019	1.877	21.3	19.9
10 18	3 45.76	+ 4 27.3	0.956	1.869	17.2	19.7
10 28	3 40.04	+ 3 54.7	0.910	1.862	12.6	19.4
11 7	3 31.43	+ 3 35.4	0.884	1.856	8.7	19.2
11 17	3 21.33	+ 3 36.9	0.880	1.852	8.2	19.1
11 27	3 11.63	+ 4 4.1	0.899	1.849	11.8	19.3
12 7	3 4.05	+ 4 57.0	0.938	1.848	16.5	19.6
12 17	2 59.73	+ 6 12.3	0.996	1.848	20.9	19.9

356136 2009 FC_{60} 11 15.4 230°.23 2°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.44	+24 52.8	2.059	2.841	14.8	21.1
10 18	3 47.75	+25 7.4	1.967	2.836	11.9	20.9
10 28	3 40.54	+25 12.2	1.896	2.831	8.4	20.6
11 7	3 31.43	+25 6.2	1.851	2.825	4.6	20.4
11 17	3 21.33	+24 49.7	1.835	2.820	2.2	20.2
11 27	3 11.41	+24 25.1	1.847	2.814	5.0	20.4
12 7	3 2.78	+23 56.9	1.888	2.808	8.8	20.6
12 17	2 56.28	+23 29.8	1.954	2.802	12.3	20.8

366505 2002 PL_{76} 11 15.4 112°.73 2°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.15	+29 0.8	2.564	3.325	12.7	21.6
10 18	3 44.51	+28 45.0	2.482	3.336	10.2	21.4
10 28	3 37.95	+28 17.0	2.422	3.346	7.3	21.3
11 7	3 30.07	+27 37.0	2.389	3.357	4.3	21.1
11 17	3 21.63	+26 46.5	2.385	3.367	2.4	21.0
11 27	3 13.51	+25 49.0	2.411	3.377	4.1	21.1
12 7	3 6.50	+24 49.2	2.467	3.386	7.0	21.3
12 17	3 1.20	+23 51.8	2.551	3.396	9.8	21.5

278466 2007 TS_{168} 11 15.4 60°.64 0°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.30	+22 58.5	1.594	2.400	17.4	19.9
10 18	3 46.94	+22 7.4	1.536	2.422	13.5	19.7
10 28	3 39.87	+21 2.5	1.498	2.444	9.1	19.5
11 7	3 30.99	+19 46.8	1.486	2.466	4.2	19.3
11 17	3 21.47	+18 25.9	1.501	2.489	0.8	19.1
11 27	3 12.61	+17 6.9	1.544	2.511	5.7	19.5
12 7	3 5.49	+15 57.3	1.615	2.534	10.0	19.8
12 17	3 0.81	+15 2.0	1.709	2.556	13.8	20.1

326808 2003 SR_{397} 11 15.4 229°.17 4°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.76	+ 4 56.6	2.556	3.358	11.7	21.4
10 18	3 42.55	+ 4 10.7	2.472	3.353	9.3	21.2
10 28	3 36.63	+ 3 26.2	2.412	3.347	6.8	21.0
11 7	3 29.49	+ 2 47.2	2.380	3.341	4.9	20.9
11 17	3 21.76	+ 2 17.2	2.376	3.335	4.9	20.9
11 27	3 14.20	+ 1 59.4	2.401	3.328	6.9	21.0
12 7	3 7.53	+ 1 55.7	2.454	3.322	9.4	21.2
12 17	3 2.32	+ 2 6.4	2.531	3.315	11.8	21.3

226539 2003 UW_{216} 11 15.4 78°.64 3°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.98	+29 14.6	2.313	3.076	13.9	20.7
10 18	3 46.32	+29 36.9	2.230	3.083	11.3	20.5
10 28	3 39.40	+29 47.7	2.169	3.089	8.3	20.3
11 7	3 30.84	+29 45.7	2.133	3.096	5.2	20.1
11 17	3 21.50	+29 30.8	2.126	3.103	3.4	20.0
11 27	3 12.41	+29 5.0	2.148	3.109	4.9	20.1
12 7	3 4.54	+28 32.4	2.198	3.116	7.8	20.3
12 17	2 58.62	+27 58.0	2.275	3.123	10.8	20.5

149397 2003 AM_{41} 11 15.4 319°.14 6°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.47	+37 40.5	1.808	2.558	17.7	19.7
10 18	3 47.06	+38 4.1	1.713	2.546	15.1	19.5
10 28	3 40.53	+38 7.2	1.637	2.534	12.0	19.3
11 7	3 31.58	+37 45.8	1.582	2.523	9.0	19.1
11 17	3 21.35	+36 57.8	1.553	2.511	7.0	19.0
11 27	3 11.36	+35 46.2	1.550	2.501	7.7	19.0
12 7	3 3.05	+34 18.4	1.573	2.490	10.4	19.1
12 17	2 57.45	+32 44.3	1.621	2.481	13.7	19.3

360540 2003 SQ_{197} 11 15.4 86°.53 5°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.23	+ 3 34.0	2.336	3.142	12.5	20.6
10 18	3 42.86	+ 2 20.2	2.280	3.160	10.0	20.4
10 28	3 36.75	+ 1 9.3	2.248	3.179	7.5	20.3
11 7	3 29.49	+ 0 6.4	2.243	3.197	5.8	20.2
11 17	3 21.79	− 0 43.6	2.267	3.215	6.0	20.3
11 27	3 14.44	− 1 17.3	2.319	3.233	7.8	20.4
12 7	3 8.15	− 1 33.1	2.398	3.251	10.1	20.6
12 17	3 3.42	− 1 31.1	2.500	3.268	12.4	20.8

49934 1999 XU_{179} 11 15.4 206°.38 3°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.75	+27 3.0	1.861	2.638	16.3	19.8
10 18	3 50.69	+27 19.4	1.770	2.634	13.2	19.6
10 28	3 42.72	+27 23.5	1.700	2.629	9.5	19.4
11 7	3 32.53	+27 13.2	1.654	2.624	5.6	19.1
11 17	3 21.17	+26 48.4	1.636	2.619	3.0	19.0
11 27	3 10.03	+26 12.1	1.647	2.612	5.6	19.1
12 7	3 0.42	+25 29.8	1.686	2.606	9.6	19.3
12 17	2 53.31	+24 48.1	1.750	2.599	13.4	19.6

324900 2007 VG_{141} 11 15.4 7°.93 1°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.41	+22 9.2	1.100	1.936	21.6	21.3
10 18	3 48.71	+22 30.1	1.034	1.936	17.3	21.0
10 28	3 42.09	+22 38.7	0.986	1.937	12.0	20.7
11 7	3 32.42	+22 33.8	0.958	1.939	6.1	20.4
11 17	3 21.20	+22 16.4	0.954	1.942	2.0	20.2
11 27	3 10.47	+21 51.2	0.974	1.945	7.2	20.5
12 7	3 2.05	+21 25.6	1.017	1.950	12.9	20.8
12 17	2 57.11	+21 6.5	1.080	1.955	17.8	21.2

516716 2009 BU_{1} 11 15.4 214°.03 5°.4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.24	+ 3 54.4	2.089	2.890	14.0	22.0
10 18	3 47.21	+ 3 23.6	2.006	2.886	11.2	21.8
10 28	3 39.98	+ 2 56.4	1.947	2.880	8.2	21.6
11 7	3 31.12	+ 2 36.9	1.913	2.875	5.8	21.5
11 17	3 21.47	+ 2 29.0	1.908	2.869	5.7	21.4
11 27	3 12.04	+ 2 35.6	1.931	2.863	7.9	21.6
12 7	3 3.77	+ 2 57.8	1.982	2.856	10.9	21.7
12 17	2 57.38	+ 3 35.1	2.056	2.849	13.8	21.9

44073 1998 FV_{65} 11 15.4 138°.15 1°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.81	+17 23.1	1.701	2.508	16.4	19.5
10 18	3 48.86	+16 37.8	1.630	2.518	12.8	19.3
10 28	3 41.23	+15 43.8	1.579	2.527	8.6	19.1
11 7	3 31.71	+14 44.3	1.555	2.536	4.0	18.8
11 17	3 21.37	+13 44.3	1.558	2.544	2.2	18.7
11 27	3 11.50	+12 49.8	1.590	2.552	6.4	19.0
12 7	3 3.24	+12 6.2	1.650	2.559	10.6	19.3
12 17	2 57.35	+11 37.2	1.734	2.565	14.3	19.6

521682 2015 RS_{261} 11 15.4 99°.02 1°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.97	+23 1.6	1.930	2.721	15.3	21.9
10 18	3 47.33	+23 2.8	1.853	2.729	12.1	21.7
10 28	3 40.19	+22 54.1	1.797	2.736	8.3	21.5
11 7	3 31.24	+22 35.7	1.766	2.744	4.2	21.3
11 17	3 21.46	+22 9.1	1.764	2.751	1.3	21.1
11 27	3 12.01	+21 37.7	1.791	2.758	4.9	21.4
12 7	3 3.99	+21 6.1	1.845	2.766	8.9	21.6
12 17	2 58.15	+20 39.0	1.925	2.773	12.4	21.9

236877 2007 RH_{281} 11 15.4 116°.29 5°.2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.29	+38 34.7	2.752	3.465	13.0	20.3
10 18	3 45.60	+38 49.3	2.663	3.470	11.0	20.1
10 28	3 38.82	+38 48.9	2.595	3.475	8.8	20.0
11 7	3 30.55	+38 31.3	2.551	3.480	6.7	19.8
11 17	3 21.59	+37 56.1	2.535	3.484	5.3	19.8
11 27	3 12.91	+37 5.5	2.547	3.489	5.7	19.8
12 7	3 5.39	+36 3.9	2.588	3.493	7.4	19.9
12 17	2 59.70	+34 56.8	2.656	3.497	9.6	20.1

411795 2012 CJ_{44} 11 15.4 149°.83 3°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.05	+30 16.5	2.751	3.497	12.3	21.3
10 18	3 46.79	+30 37.8	2.663	3.505	10.0	21.1
10 28	3 39.55	+30 48.5	2.598	3.512	7.4	20.9
11 7	3 30.88	+30 47.5	2.560	3.518	4.8	20.8
11 17	3 21.53	+30 34.3	2.550	3.524	3.3	20.7
11 27	3 12.39	+30 10.9	2.571	3.530	4.5	20.8
12 7	3 4.29	+29 40.6	2.622	3.535	7.0	21.0
12 17	2 57.90	+29 7.5	2.700	3.540	9.5	21.1

405305 2003 UJ_{25} 11 15.4 9°.98 8°.7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.01	+41 13.3	1.614	2.362	19.5	19.8
10 18	3 45.45	+41 50.3	1.542	2.366	16.9	19.6
10 28	3 39.53	+42 2.7	1.487	2.371	13.9	19.4
11 7	3 31.10	+41 45.6	1.452	2.378	10.9	19.3
11 17	3 21.49	+40 57.3	1.441	2.386	9.0	19.2
11 27	3 12.39	+39 41.4	1.454	2.395	9.1	19.2
12 7	3 5.28	+38 6.7	1.492	2.406	11.1	19.4
12 17	3 1.12	+36 24.2	1.553	2.417	14.0	19.6

500639 2012 VW_{1} 11 15.4 135°.54 12°.6/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.46	+ 3 41.4	1.088	1.935	21.0	21.0
10 18	3 48.13	+ 0 9.6	1.035	1.937	17.2	20.8
10 28	3 41.27	− 3 25.2	1.005	1.939	14.0	20.6
11 7	3 31.87	− 6 42.8	0.998	1.940	12.6	20.6
11 17	3 21.36	− 9 23.6	1.015	1.942	14.0	20.7
11 27	3 11.51	−11 13.9	1.054	1.943	17.2	20.9
12 7	3 3.80	−12 10.6	1.113	1.945	20.7	21.1
12 17	2 59.16	−12 18.6	1.187	1.946	23.8	21.3

357467 2004 EX_{95} 11 15.4 203°.13 4°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 59.43	+29 55.3	2.630	3.365	13.1	21.5
10 18	3 52.90	+30 52.2	2.527	3.360	10.8	21.3
10 28	3 43.93	+31 40.6	2.448	3.355	8.1	21.1
11 7	3 33.06	+32 17.1	2.395	3.349	5.5	21.0
11 17	3 21.09	+32 39.5	2.373	3.342	4.1	20.9
11 27	3 9.13	+32 47.7	2.383	3.335	5.3	20.9
12 7	2 58.23	+32 44.3	2.423	3.327	7.9	21.1
12 17	2 49.29	+32 33.5	2.490	3.318	10.6	21.3

269886 2000 GT_{35} 11 15.4 209°.74 0°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.55	+21 28.6	1.887	2.680	15.5	21.8
10 18	3 48.73	+21 17.2	1.797	2.675	12.3	21.5
10 28	3 41.27	+20 55.9	1.728	2.670	8.4	21.3
11 7	3 31.81	+20 25.4	1.685	2.665	4.0	21.0
11 17	3 21.35	+19 47.7	1.670	2.659	0.8	20.8
11 27	3 11.12	+19 7.0	1.685	2.652	5.3	21.1
12 7	3 2.30	+18 28.4	1.727	2.645	9.6	21.3
12 17	2 55.75	+17 56.8	1.795	2.637	13.4	21.6

337950 2001 YN_{157} 11 15.4 340°.38 2°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.83	+14 45.6	1.274	2.114	18.9	20.8
10 18	3 45.34	+14 31.0	1.196	2.103	14.9	20.5
10 28	3 39.56	+14 10.6	1.138	2.093	10.2	20.2
11 7	3 31.20	+13 47.7	1.102	2.084	4.9	19.9
11 17	3 21.46	+13 26.5	1.090	2.076	2.8	19.8
11 27	3 11.97	+13 12.0	1.103	2.069	7.7	20.0
12 7	3 4.27	+13 8.9	1.140	2.063	12.9	20.3
12 17	2 59.44	+13 20.1	1.198	2.058	17.5	20.6

517249 2014 DH_{40} 11 15.4 321°.27 1°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.66	+17 9.5	1.340	2.173	18.6	21.5
10 18	3 45.95	+16 49.9	1.255	2.158	14.7	21.2
10 28	3 39.98	+16 21.3	1.190	2.144	10.0	20.9
11 7	3 31.41	+15 46.3	1.148	2.130	4.7	20.5
11 17	3 21.42	+15 8.8	1.130	2.117	2.0	20.3
11 27	3 11.61	+14 34.9	1.138	2.105	7.3	20.6
12 7	3 3.52	+14 10.7	1.170	2.093	12.6	20.9
12 17	2 58.27	+14 0.6	1.224	2.082	17.3	21.1

47422 1999 XK_{168} 11 15.4 27°.90 2°.4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.69	+22 3.7	1.235	2.056	20.6	18.3
10 18	3 50.88	+22 45.5	1.169	2.062	16.4	18.1
10 28	3 43.35	+23 17.6	1.123	2.069	11.4	17.8
11 7	3 32.95	+23 37.9	1.098	2.076	6.0	17.6
11 17	3 21.14	+23 45.3	1.097	2.084	2.5	17.4
11 27	3 9.82	+23 42.6	1.123	2.093	6.8	17.7
12 7	3 0.69	+23 35.1	1.173	2.102	12.0	18.0
12 17	2 54.88	+23 29.1	1.245	2.112	16.5	18.3

366134 2012 DF_{68} 11 15.4 129°.58 4°.4/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.66	+ 5 45.1	2.597	3.397	11.6	21.3
10 18	3 43.09	+ 4 52.8	2.529	3.409	9.1	21.2
10 28	3 36.90	+ 4 1.8	2.485	3.420	6.6	21.0
11 7	3 29.59	+ 3 16.0	2.468	3.431	4.7	20.9
11 17	3 21.82	+ 2 39.0	2.481	3.441	4.7	21.0
11 27	3 14.32	+ 2 14.0	2.524	3.451	6.5	21.1
12 7	3 7.76	+ 2 2.7	2.594	3.461	9.0	21.3
12 17	3 2.65	+ 2 5.4	2.689	3.470	11.2	21.4

259181 2003 AO_{11} 11 15.4 311°.56 3°.3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.39	+14 16.9	1.678	2.504	15.8	20.5
10 18	3 43.54	+13 22.8	1.577	2.476	12.5	20.2
10 28	3 38.03	+12 20.0	1.498	2.449	8.6	19.9
11 7	3 30.43	+11 12.7	1.443	2.422	4.6	19.6
11 17	3 21.63	+10 6.7	1.415	2.396	3.7	19.5
11 27	3 12.87	+ 9 9.0	1.414	2.370	7.6	19.7
12 7	3 5.38	+ 8 25.8	1.438	2.344	12.1	19.9
12 17	3 0.13	+ 8 1.3	1.485	2.319	16.2	20.1

439016 2011 BA_{63} 11 15.4 291°.41 5°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.10	+ 8 59.9	1.459	2.289	17.5	21.4
10 18	3 46.64	+ 8 3.3	1.377	2.276	13.9	21.2
10 28	3 40.19	+ 7 4.0	1.314	2.262	9.9	20.9
11 7	3 31.43	+ 6 7.9	1.276	2.249	6.3	20.7
11 17	3 21.44	+ 5 22.0	1.263	2.236	6.0	20.6
11 27	3 11.66	+ 4 53.2	1.276	2.222	9.5	20.8
12 7	3 3.44	+ 4 45.4	1.313	2.209	13.8	21.0
12 17	2 57.79	+ 4 59.8	1.372	2.196	17.8	21.2

453228 2008 JZ_{40} 11 15.4 75°.36 7°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.95	− 4 56.3	2.230	3.020	13.5	20.9
10 18	3 44.94	− 5 58.0	2.189	3.047	11.2	20.8
10 28	3 38.12	− 6 49.7	2.171	3.074	9.2	20.7
11 7	3 30.13	− 7 26.0	2.178	3.100	8.0	20.7
11 17	3 21.75	− 7 43.1	2.212	3.127	8.2	20.8
11 27	3 13.82	− 7 38.9	2.273	3.153	9.6	20.9
12 7	3 7.07	− 7 14.2	2.359	3.179	11.5	21.1
12 17	3 2.01	− 6 31.2	2.468	3.204	13.3	21.3

64743 2001 XW_{147} 11 15.4 215°.21 0°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.04	+18 46.6	1.955	2.753	14.9	20.1
10 18	3 47.40	+18 20.6	1.864	2.748	11.7	19.9
10 28	3 40.30	+17 46.2	1.796	2.742	7.9	19.6
11 7	3 31.35	+17 5.2	1.754	2.735	3.7	19.4
11 17	3 21.49	+16 20.6	1.741	2.728	1.2	19.2
11 27	3 11.86	+15 37.0	1.757	2.721	5.5	19.4
12 7	3 3.53	+14 59.3	1.800	2.713	9.6	19.7
12 17	2 57.32	+14 31.5	1.869	2.705	13.3	19.9

385264 2001 QX_{202} 11 15.4 18°.79 9°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.67	+ 2 35.0	0.944	1.808	22.1	19.3
10 18	3 44.65	+ 1 37.9	0.905	1.819	17.8	19.1
10 28	3 39.01	+ 0 50.8	0.883	1.832	13.4	18.9
11 7	3 30.82	+ 0 23.4	0.881	1.847	10.0	18.8
11 17	3 21.63	+ 0 22.8	0.900	1.863	9.8	18.9
11 27	3 13.25	+ 0 52.3	0.940	1.882	12.7	19.1
12 7	3 7.12	+ 1 49.5	1.001	1.902	16.6	19.4
12 17	3 4.09	+ 3 9.1	1.080	1.924	20.2	19.7

132988 2002 TM_{211} 11 15.4 77°.36 5°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.69	+ 5 38.3	1.864	2.670	15.2	19.5
10 18	3 48.11	+ 4 45.9	1.820	2.703	11.9	19.4
10 28	3 40.35	+ 3 56.7	1.799	2.736	8.5	19.2
11 7	3 31.18	+ 3 15.7	1.804	2.768	5.9	19.2
11 17	3 21.58	+ 2 47.3	1.837	2.800	5.7	19.2
11 27	3 12.58	+ 2 34.6	1.898	2.831	8.0	19.4
12 7	3 5.07	+ 2 38.8	1.987	2.862	10.9	19.7
12 17	2 59.62	+ 2 58.9	2.098	2.892	13.6	19.9

362304 2009 SB_{328} 11 15.4 78°.43 0°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.10	+20 16.9	2.219	3.010	13.5	21.2
10 18	3 45.34	+19 58.6	2.153	3.031	10.5	21.0
10 28	3 38.56	+19 32.8	2.109	3.053	7.1	20.9
11 7	3 30.42	+19 0.9	2.093	3.073	3.3	20.7
11 17	3 21.73	+18 25.5	2.106	3.094	0.6	20.5
11 27	3 13.44	+17 50.0	2.149	3.115	4.4	20.8
12 7	3 6.37	+17 18.4	2.220	3.135	7.9	21.1
12 17	3 1.13	+16 53.6	2.318	3.155	11.0	21.3

481524 2007 HO_{18} 11 15.4 148°.46 2°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.13	+13 16.6	2.753	3.549	11.1	21.7
10 18	3 42.66	+12 18.6	2.673	3.556	8.6	21.6
10 28	3 36.61	+11 16.6	2.619	3.564	5.8	21.4
11 7	3 29.49	+10 14.0	2.594	3.570	3.2	21.3
11 17	3 21.91	+ 9 14.5	2.599	3.577	2.7	21.2
11 27	3 14.58	+ 8 21.8	2.635	3.583	5.1	21.4
12 7	3 8.14	+ 7 39.2	2.700	3.589	7.8	21.6
12 17	3 3.09	+ 7 8.6	2.791	3.594	10.3	21.8

108844 2001 OA_{91} 11 15.4 18°.29 1°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.97	+17 26.3	1.281	2.116	19.2	19.3
10 18	3 45.99	+16 46.7	1.216	2.120	15.0	19.1
10 28	3 39.79	+15 56.7	1.169	2.124	10.1	18.8
11 7	3 31.22	+15 0.5	1.146	2.128	4.7	18.5
11 17	3 21.57	+14 3.9	1.147	2.134	2.4	18.4
11 27	3 12.42	+13 14.1	1.175	2.140	7.4	18.7
12 7	3 5.17	+12 37.7	1.226	2.147	12.4	19.0
12 17	3 0.74	+12 18.4	1.299	2.154	16.8	19.3

280874 2005 VG_{71} 11 15.4 259°.23 1°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.63	+18 31.9	1.660	2.472	16.5	20.9
10 18	3 46.72	+17 52.5	1.575	2.467	13.0	20.6
10 28	3 40.05	+17 2.8	1.512	2.461	8.7	20.3
11 7	3 31.31	+16 5.5	1.473	2.455	4.1	20.1
11 17	3 21.55	+15 5.2	1.462	2.449	1.8	19.9
11 27	3 12.07	+14 8.0	1.478	2.443	6.3	20.2
12 7	3 4.09	+13 20.3	1.522	2.436	10.9	20.4
12 17	2 58.51	+12 46.5	1.589	2.430	14.9	20.7

215716 2004 BH_{76} 11 15.4 248°.61 2°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.91	+15 37.4	1.720	2.530	16.1	21.1
10 18	3 48.52	+15 8.2	1.626	2.516	12.7	20.8
10 28	3 41.32	+14 32.0	1.554	2.502	8.6	20.5
11 7	3 31.95	+13 51.5	1.507	2.488	4.2	20.2
11 17	3 21.41	+13 10.6	1.487	2.473	2.4	20.1
11 27	3 11.01	+12 34.3	1.496	2.457	6.7	20.3
12 7	3 2.02	+12 7.8	1.532	2.441	11.2	20.6
12 17	2 55.41	+11 54.5	1.591	2.425	15.3	20.8

446199 2013 GU_{1} 11 15.4 282°.70 0°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.60	+22 36.5	1.996	2.791	14.7	21.3
10 18	3 45.49	+22 21.6	1.910	2.789	11.7	21.0
10 28	3 39.00	+21 56.4	1.845	2.787	8.0	20.8
11 7	3 30.75	+21 21.6	1.806	2.785	3.9	20.6
11 17	3 21.66	+20 39.5	1.795	2.784	0.9	20.3
11 27	3 12.84	+19 54.3	1.814	2.782	4.9	20.6
12 7	3 5.30	+19 11.0	1.860	2.780	8.9	20.9
12 17	2 59.81	+18 34.3	1.931	2.778	12.4	21.1

140637 2001 UX_{21} 11 15.4 341°.44 8°.9/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.82	+38 7.7	1.586	2.344	19.4	19.4
10 18	3 48.00	+39 15.7	1.499	2.333	16.7	19.2
10 28	3 41.62	+40 4.8	1.430	2.323	13.7	19.0
11 7	3 32.30	+40 28.2	1.382	2.314	10.8	18.8
11 17	3 21.33	+40 21.5	1.357	2.306	9.0	18.7
11 27	3 10.49	+39 45.1	1.356	2.298	9.6	18.7
12 7	3 1.55	+38 45.4	1.380	2.292	12.1	18.8
12 17	2 55.78	+37 32.8	1.426	2.286	15.2	19.0

177827 2005 NY_{18} 11 15.4 21°.41 4°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.51	+ 9 53.7	1.794	2.614	15.2	20.3
10 18	3 44.64	+ 9 12.5	1.722	2.616	11.9	20.1
10 28	3 38.40	+ 8 29.8	1.672	2.619	8.2	19.9
11 7	3 30.46	+ 7 50.1	1.647	2.622	4.9	19.7
11 17	3 21.73	+ 7 18.0	1.650	2.625	4.4	19.7
11 27	3 13.33	+ 6 57.8	1.680	2.629	7.4	19.9
12 7	3 6.25	+ 6 52.3	1.736	2.632	11.0	20.1
12 17	3 1.24	+ 7 2.3	1.815	2.636	14.2	20.3

100013 1989 CD_{3} 11 15.4 284°.36 4°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.05	+33 44.6	2.041	2.796	15.7	19.8
10 18	3 47.04	+33 54.9	1.938	2.781	13.1	19.6
10 28	3 40.31	+33 48.5	1.855	2.765	10.1	19.4
11 7	3 31.48	+33 22.7	1.796	2.749	6.9	19.2
11 17	3 21.51	+32 36.9	1.763	2.734	4.9	19.0
11 27	3 11.71	+31 33.9	1.759	2.718	6.1	19.1
12 7	3 3.29	+30 20.1	1.783	2.702	9.2	19.2
12 17	2 57.18	+29 3.3	1.832	2.687	12.6	19.4

449734 2014 NQ_{31} 11 15.4 110°.52 4°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.28	+ 5 54.6	2.234	3.039	13.0	21.8
10 18	3 44.65	+ 5 12.5	2.166	3.049	10.3	21.7
10 28	3 38.10	+ 4 32.3	2.122	3.060	7.4	21.5
11 7	3 30.23	+ 3 58.0	2.105	3.070	5.1	21.4
11 17	3 21.79	+ 3 33.3	2.116	3.080	4.9	21.4
11 27	3 13.67	+ 3 21.3	2.156	3.089	7.1	21.5
12 7	3 6.65	+ 3 23.6	2.223	3.099	9.8	21.7
12 17	3 1.33	+ 3 40.2	2.314	3.108	12.4	21.9

335367 2005 ST_{145} 11 15.4 139°.49 1°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.81	+16 31.2	1.909	2.707	15.2	21.7
10 18	3 49.38	+16 8.7	1.836	2.719	11.9	21.5
10 28	3 41.49	+15 40.2	1.785	2.730	7.9	21.3
11 7	3 31.86	+15 7.8	1.760	2.741	3.7	21.1
11 17	3 21.48	+14 34.7	1.764	2.751	1.7	20.9
11 27	3 11.49	+14 4.9	1.798	2.760	5.7	21.2
12 7	3 2.96	+13 42.3	1.860	2.769	9.6	21.5
12 17	2 56.61	+13 29.9	1.947	2.777	13.1	21.7

162029 1995 UP_{77} 11 15.4 107°.99 0°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.06	+20 57.7	1.926	2.717	15.3	21.2
10 18	3 48.82	+20 52.9	1.855	2.733	12.0	21.1
10 28	3 41.13	+20 39.5	1.807	2.749	8.1	20.8
11 7	3 31.69	+20 18.3	1.784	2.764	3.9	20.6
11 17	3 21.51	+19 51.2	1.790	2.779	0.8	20.4
11 27	3 11.76	+19 21.8	1.826	2.793	5.0	20.8
12 7	3 3.49	+18 54.6	1.890	2.807	8.9	21.0
12 17	2 57.41	+18 33.5	1.979	2.821	12.4	21.3

37241 2000 WS_{171} 11 15.4 36°.85 9°.9/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.95	− 0 39.5	1.266	2.101	19.4	17.8
10 18	3 46.30	− 1 57.2	1.225	2.118	15.8	17.6
10 28	3 39.68	− 3 3.9	1.204	2.135	12.4	17.5
11 7	3 31.04	− 3 50.5	1.204	2.153	10.2	17.4
11 17	3 21.66	− 4 9.9	1.228	2.172	10.3	17.5
11 27	3 12.98	− 3 58.8	1.275	2.191	12.6	17.7
12 7	3 6.18	− 3 18.8	1.345	2.212	15.6	17.9
12 17	3 2.00	− 2 14.4	1.434	2.232	18.5	18.2

399000 2013 FV_{14} 11 15.4 107°.89 6°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.60	+ 0 42.4	2.184	2.985	13.4	20.7
10 18	3 44.92	− 0 5.4	2.119	2.994	10.9	20.6
10 28	3 38.30	− 0 47.5	2.078	3.003	8.3	20.5
11 7	3 30.33	− 1 19.3	2.063	3.012	6.6	20.4
11 17	3 21.79	− 1 36.6	2.076	3.021	6.6	20.4
11 27	3 13.57	− 1 36.6	2.116	3.029	8.5	20.5
12 7	3 6.48	− 1 18.7	2.183	3.038	10.9	20.7
12 17	3 1.12	− 0 44.2	2.273	3.046	13.3	20.9

110751 2001 UH_{12} 11 15.4 137°.48 3°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.72	+28 54.2	2.291	3.050	14.1	20.2
10 18	3 48.48	+29 16.9	2.207	3.058	11.4	20.1
10 28	3 40.91	+29 28.2	2.146	3.066	8.4	19.9
11 7	3 31.63	+29 26.6	2.110	3.074	5.2	19.7
11 17	3 21.53	+29 11.8	2.103	3.081	3.3	19.6
11 27	3 11.70	+28 45.9	2.126	3.087	4.9	19.7
12 7	3 3.14	+28 13.2	2.177	3.094	8.0	19.9
12 17	2 56.62	+27 38.8	2.255	3.100	11.0	20.1

47472 2000 AN_{2} 11 15.4 346°.90 9°.2/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.11	+39 37.9	1.647	2.391	19.4	18.5
10 18	3 50.50	+40 47.9	1.565	2.386	16.8	18.3
10 28	3 43.24	+41 38.2	1.500	2.382	13.8	18.1
11 7	3 33.05	+42 1.9	1.455	2.379	11.1	17.9
11 17	3 21.23	+41 54.3	1.435	2.376	9.4	17.8
11 27	3 9.63	+41 16.0	1.439	2.374	9.8	17.8
12 7	3 0.03	+40 13.9	1.467	2.372	12.0	17.9
12 17	2 53.66	+38 58.2	1.519	2.371	14.9	18.1

220357 2003 MP_{4} 11 15.4 93°.77 2°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.79	+13 8.6	2.273	3.076	12.9	20.3
10 18	3 44.28	+12 35.6	2.203	3.090	10.0	20.1
10 28	3 37.86	+11 59.5	2.157	3.103	6.7	19.9
11 7	3 30.12	+11 23.3	2.138	3.116	3.5	19.8
11 17	3 21.84	+10 50.1	2.148	3.129	2.6	19.7
11 27	3 13.88	+10 23.5	2.187	3.142	5.4	19.9
12 7	3 7.02	+10 6.1	2.255	3.155	8.6	20.2
12 17	3 1.86	+ 9 59.5	2.348	3.168	11.5	20.4

478888 2012 WH_{9} 11 15.4 8°.83 1°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.12	+23 40.6	1.216	2.048	20.2	20.6
10 18	3 44.95	+23 41.7	1.151	2.050	16.1	20.3
10 28	3 39.32	+23 27.7	1.103	2.053	11.2	20.1
11 7	3 31.10	+22 58.9	1.077	2.057	5.7	19.8
11 17	3 21.63	+22 18.0	1.075	2.062	1.8	19.6
11 27	3 12.66	+21 31.0	1.098	2.069	6.5	19.9
12 7	3 5.70	+20 46.0	1.144	2.077	11.8	20.2
12 17	3 1.76	+20 9.7	1.212	2.087	16.3	20.5

484390 2007 WQ_{11} 11 15.4 1°.71 4°.2/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.87	+13 51.0	1.083	1.946	19.9	20.1
10 18	3 40.12	+12 53.7	1.022	1.942	15.6	19.8
10 28	3 36.08	+11 48.2	0.981	1.941	10.6	19.6
11 7	3 29.59	+10 41.5	0.960	1.941	5.7	19.3
11 17	3 21.93	+ 9 42.1	0.962	1.944	4.8	19.3
11 27	3 14.74	+ 8 58.6	0.987	1.949	9.2	19.5
12 7	3 9.44	+ 8 36.5	1.035	1.956	14.1	19.8
12 17	3 6.96	+ 8 37.7	1.101	1.965	18.5	20.1

442889 2013 BE_{56} 11 15.4 344°.88 10°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.85	− 2 29.1	1.460	2.287	17.7	20.5
10 18	3 44.67	− 3 42.3	1.395	2.280	14.8	20.3
10 28	3 38.72	− 4 46.1	1.350	2.273	12.0	20.2
11 7	3 30.71	− 5 31.6	1.327	2.268	10.3	20.1
11 17	3 21.71	− 5 51.1	1.328	2.263	10.6	20.1
11 27	3 13.05	− 5 40.0	1.352	2.259	12.8	20.2
12 7	3 5.92	− 4 58.6	1.399	2.256	15.7	20.4
12 17	3 1.20	− 3 50.6	1.466	2.254	18.7	20.6

51383 2001 BF_{77} 11 15.4 328°.47 4°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.92	+ 9 38.4	1.232	2.072	19.5	18.6
10 18	3 47.87	+ 9 20.1	1.156	2.061	15.5	18.3
10 28	3 41.37	+ 9 1.9	1.098	2.050	10.8	18.0
11 7	3 32.13	+ 8 48.7	1.062	2.040	6.2	17.8
11 17	3 21.42	+ 8 45.2	1.050	2.031	5.0	17.7
11 27	3 10.93	+ 8 56.1	1.064	2.022	9.2	17.9
12 7	3 2.29	+ 9 23.6	1.100	2.014	14.2	18.1
12 17	2 56.66	+10 8.0	1.157	2.007	18.7	18.4

29691 1998 XH_{96} 11 15.4 146°.51 4°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.22	+ 6 29.5	2.191	2.995	13.3	18.6
10 18	3 45.47	+ 5 49.8	2.118	3.001	10.5	18.4
10 28	3 38.72	+ 5 11.4	2.068	3.006	7.5	18.2
11 7	3 30.55	+ 4 38.4	2.045	3.011	5.0	18.1
11 17	3 21.76	+ 4 14.4	2.050	3.016	4.8	18.1
11 27	3 13.25	+ 4 2.9	2.084	3.021	7.1	18.2
12 7	3 5.86	+ 4 5.4	2.146	3.025	10.0	18.4
12 17	3 0.24	+ 4 22.2	2.232	3.029	12.7	18.6

356178 2009 HR_{85} 11 15.4 249°.02 2°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.34	+13 28.3	2.197	2.998	13.3	22.1
10 18	3 45.85	+12 57.1	2.098	2.983	10.5	21.8
10 28	3 39.18	+12 21.7	2.022	2.967	7.1	21.6
11 7	3 30.86	+11 44.7	1.972	2.951	3.7	21.4
11 17	3 21.68	+11 9.5	1.952	2.934	2.7	21.3
11 27	3 12.60	+10 40.0	1.962	2.917	5.9	21.5
12 7	3 4.58	+10 19.8	1.999	2.900	9.5	21.6
12 17	2 58.36	+10 11.1	2.062	2.882	12.8	21.8

79089 1978 VX_{10} 11 15.4 352°.69 1°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.21	+19 48.5	1.033	1.883	21.7	19.0
10 18	3 45.70	+20 13.5	0.964	1.875	17.3	18.7
10 28	3 40.30	+20 29.3	0.912	1.868	11.9	18.4
11 7	3 31.75	+20 35.4	0.881	1.863	5.8	18.0
11 17	3 21.50	+20 32.7	0.871	1.860	1.3	17.7
11 27	3 11.56	+20 25.2	0.885	1.858	7.4	18.1
12 7	3 3.85	+20 18.7	0.921	1.858	13.4	18.4
12 17	2 59.63	+20 19.0	0.976	1.859	18.6	18.7

496050 2009 AZ_{24} 11 15.4 43°.66 23°.7/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 58.78	−23 38.0	0.921	1.713	28.0	20.8
10 18	3 54.39	−25 37.9	0.896	1.719	26.1	20.7
10 28	3 45.67	−26 55.1	0.883	1.726	24.6	20.7
11 7	3 33.95	−27 13.6	0.883	1.733	23.8	20.6
11 17	3 21.15	−26 24.5	0.898	1.741	23.9	20.7
11 27	3 9.50	−24 28.6	0.928	1.749	24.8	20.8
12 7	3 0.73	−21 37.7	0.972	1.757	26.3	21.0
12 17	2 55.73	−18 7.9	1.031	1.766	28.0	21.1

103555 2000 BS_{27} 11 15.4 241°.99 2°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.49	+24 42.2	1.746	2.535	16.7	20.4
10 18	3 49.94	+24 52.5	1.652	2.526	13.5	20.2
10 28	3 42.40	+24 51.3	1.579	2.515	9.5	19.9
11 7	3 32.52	+24 37.3	1.530	2.505	5.2	19.6
11 17	3 21.37	+24 10.9	1.508	2.494	2.2	19.4
11 27	3 10.37	+23 35.4	1.515	2.483	5.7	19.6
12 7	3 0.90	+22 56.6	1.549	2.471	10.2	19.9
12 17	2 53.98	+22 20.6	1.608	2.459	14.2	20.1

41161 1999 VM_{165} 11 15.4 117°.02 1°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.83	+22 27.9	2.353	3.133	13.2	19.8
10 18	3 46.83	+22 44.1	2.270	3.140	10.4	19.6
10 28	3 39.71	+22 53.0	2.211	3.147	7.2	19.4
11 7	3 31.06	+22 54.5	2.178	3.154	3.7	19.2
11 17	3 21.67	+22 48.9	2.174	3.161	1.3	19.1
11 27	3 12.52	+22 38.4	2.201	3.168	4.3	19.3
12 7	3 4.51	+22 25.9	2.257	3.175	7.7	19.5
12 17	2 58.31	+22 14.9	2.339	3.181	10.7	19.7

236507 2006 GU_{36} 11 15.4 98°.49 1°.9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.58	+15 41.5	1.801	2.610	15.5	20.8
10 18	3 47.00	+15 8.5	1.731	2.621	12.1	20.6
10 28	3 39.96	+14 29.6	1.684	2.632	8.1	20.4
11 7	3 31.19	+13 47.8	1.662	2.642	3.9	20.2
11 17	3 21.66	+13 7.0	1.668	2.653	2.3	20.1
11 27	3 12.56	+12 31.9	1.703	2.663	6.1	20.4
12 7	3 4.91	+12 6.6	1.765	2.674	10.0	20.6
12 17	2 59.43	+11 53.6	1.851	2.684	13.5	20.9

514250 2015 PH_{94} 11 15.4 87°.01 2°.5/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.50	+13 41.7	1.848	2.655	15.3	21.5
10 18	3 47.51	+13 9.5	1.787	2.676	11.8	21.3
10 28	3 40.17	+12 33.7	1.749	2.696	7.9	21.1
11 7	3 31.23	+11 57.3	1.737	2.716	4.0	20.9
11 17	3 21.67	+11 24.2	1.753	2.736	2.8	20.9
11 27	3 12.60	+10 58.5	1.798	2.755	6.2	21.2
12 7	3 4.98	+10 43.3	1.870	2.774	9.9	21.4
12 17	2 59.49	+10 40.2	1.967	2.793	13.1	21.7

481888 2009 AO_{15} 11 15.4 16°.30 13°.5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.72	+47 21.5	1.105	1.863	26.2	19.6
10 18	3 47.04	+48 26.1	1.054	1.873	23.3	19.4
10 28	3 41.52	+48 52.7	1.015	1.885	20.0	19.2
11 7	3 32.29	+48 32.7	0.992	1.899	16.7	19.1
11 17	3 21.46	+47 21.9	0.987	1.915	14.2	19.0
11 27	3 11.66	+45 25.9	1.003	1.933	13.5	19.0
12 7	3 4.97	+42 59.9	1.040	1.953	14.9	19.2
12 17	3 2.42	+40 22.6	1.098	1.975	17.4	19.4

398472 2011 UU_{122} 11 15.4 37°.24 1°.6/16.1 18

10 8	3 52.78	+22 11.5	1.745	2.543	16.4	21.0
10 18	3 48.35	+22 32.2	1.667	2.547	13.0	20.8
10 28	3 41.14	+22 44.4	1.610	2.551	9.0	20.6
11 7	3 31.85	+22 47.1	1.578	2.555	4.6	20.3
11 17	3 21.53	+22 41.0	1.573	2.560	1.6	20.1
11 27	3 11.51	+22 28.7	1.596	2.565	5.4	20.4
12 7	3 3.03	+22 14.3	1.647	2.569	9.6	20.7
12 17	2 56.97	+22 2.4	1.722	2.575	13.4	20.9

43931 Yoshimi 11 15.4 340°.32 8°.9/ 7.9 18

10 8	3 44.85	− 5 30.0	2.196	2.997	13.4	17.9
10 18	3 41.37	− 7 8.0	2.132	2.993	11.4	17.7
10 28	3 36.01	− 8 38.0	2.091	2.990	9.7	17.6
11 7	3 29.32	− 9 53.0	2.075	2.987	9.0	17.6
11 17	3 22.02	−10 46.7	2.085	2.984	9.5	17.6
11 27	3 14.95	−11 15.2	2.120	2.981	11.0	17.7
12 7	3 8.90	−11 17.5	2.179	2.979	13.0	17.8
12 17	3 4.46	−10 55.4	2.258	2.977	14.9	18.0

449419 2013 HZ_{43} 11 15.4 95°.92 1°.4/16.4 17

10 8	3 50.06	+24 51.8	2.172	2.955	14.1	21.7
10 18	3 45.58	+24 39.3	2.094	2.964	11.2	21.6
10 28	3 38.91	+24 15.9	2.037	2.973	7.8	21.4
11 7	3 30.68	+23 42.1	2.007	2.983	4.0	21.2
11 17	3 21.77	+22 59.8	2.005	2.991	1.5	21.0
11 27	3 13.19	+22 12.8	2.033	3.000	4.5	21.2
12 7	3 5.87	+21 25.9	2.089	3.009	8.0	21.5
12 17	3 0.47	+20 43.8	2.171	3.018	11.3	21.7

234718 2002 JD_{99} 11 15.4 183°.43 7°.2/11.9 18

10 8	3 52.64	− 0 4.3	1.892	2.695	15.1	20.2
10 18	3 47.70	− 0 47.7	1.820	2.695	12.4	20.0
10 28	3 40.41	− 1 24.2	1.770	2.695	9.5	19.8
11 7	3 31.41	− 1 48.3	1.746	2.695	7.5	19.7
11 17	3 21.63	− 1 55.1	1.748	2.694	7.6	19.7
11 27	3 12.15	− 1 41.8	1.778	2.694	9.6	19.8
12 7	3 3.99	− 1 8.1	1.833	2.693	12.4	20.0
12 17	2 57.88	− 0 15.8	1.911	2.692	15.2	20.2

259228 2003 BP_{28} 11 15.4 331°.39 6°.5/18.4 17

10 8	3 48.05	+32 23.3	1.498	2.288	19.0	19.7
10 18	3 45.83	+33 11.5	1.402	2.266	16.0	19.5
10 28	3 40.20	+33 43.5	1.324	2.245	12.4	19.2
11 7	3 31.71	+33 54.3	1.268	2.225	8.8	19.0
11 17	3 21.52	+33 40.7	1.236	2.206	6.6	18.8
11 27	3 11.32	+33 4.0	1.229	2.188	8.0	18.8
12 7	3 2.84	+32 10.6	1.245	2.172	11.7	19.0
12 17	2 57.38	+31 10.0	1.285	2.156	15.8	19.2

268344 2005 SD_{178} 11 15.4 158°.84 1°.6/16.3 18

10 8	3 54.22	+24 17.3	1.771	2.561	16.5	21.5
10 18	3 49.42	+24 11.7	1.690	2.565	13.2	21.3
10 28	3 41.82	+23 53.9	1.630	2.568	9.2	21.0
11 7	3 32.15	+23 23.7	1.595	2.571	4.7	20.8
11 17	3 21.50	+22 42.9	1.587	2.574	1.6	20.6
11 27	3 11.21	+21 56.0	1.609	2.577	5.4	20.8
12 7	3 2.50	+21 9.0	1.657	2.579	9.7	21.1
12 17	2 56.25	+20 27.7	1.731	2.580	13.5	21.3

405824 2006 BM_{136} 11 15.4 299°.18 0°.9/14.9 17

10 8	3 48.36	+17 9.5	2.080	2.885	13.9	21.8
10 18	3 44.53	+16 56.4	1.981	2.868	10.9	21.6
10 28	3 38.43	+16 37.4	1.905	2.852	7.4	21.3
11 7	3 30.58	+16 14.1	1.854	2.835	3.5	21.0
11 17	3 21.80	+15 48.8	1.831	2.818	1.3	20.8
11 27	3 13.10	+15 25.0	1.837	2.802	5.2	21.1
12 7	3 5.49	+15 6.3	1.872	2.786	9.2	21.3
12 17	2 59.78	+14 55.9	1.931	2.770	12.8	21.5

188381 2004 CD_{81} 11 15.4 186°.30 1°.9/14.4 18

10 8	3 53.61	+15 36.6	1.819	2.623	15.6	21.3
10 18	3 48.73	+15 5.8	1.736	2.623	12.2	21.1
10 28	3 41.25	+14 28.8	1.676	2.623	8.2	20.9
11 7	3 31.87	+13 48.3	1.641	2.622	4.0	20.6
11 17	3 21.57	+13 7.9	1.635	2.620	2.3	20.5
11 27	3 11.56	+12 32.6	1.658	2.618	6.2	20.8
12 7	3 2.98	+12 6.6	1.708	2.616	10.4	21.0
12 17	2 56.66	+11 53.1	1.783	2.613	14.1	21.2

212857 2007 VK_{84} 11 15.4 295°.08 5°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.21	+ 9 15.7	1.769	2.592	15.2	20.1
10 18	3 43.90	+ 7 52.2	1.677	2.573	12.1	19.9
10 28	3 38.12	+ 6 23.4	1.608	2.554	8.6	19.7
11 7	3 30.47	+ 4 55.6	1.565	2.535	5.9	19.5
11 17	3 21.83	+ 3 36.3	1.549	2.516	6.0	19.4
11 27	3 13.32	+ 2 33.2	1.560	2.497	9.0	19.6
12 7	3 6.05	+ 1 51.3	1.597	2.478	12.7	19.7
12 17	3 0.86	+ 1 32.9	1.655	2.459	16.2	19.9

58326 1994 RQ_{16} 11 15.4 169°.36 0°.7/14.9 18

10 8	3 48.99	+18 7.3	2.242	3.040	13.2	19.7
10 18	3 44.67	+17 45.1	2.158	3.041	10.3	19.5
10 28	3 38.28	+17 16.3	2.096	3.041	6.9	19.3
11 7	3 30.42	+16 42.8	2.061	3.042	3.2	19.1
11 17	3 21.86	+16 7.2	2.055	3.043	1.1	18.9
11 27	3 13.54	+15 33.1	2.079	3.043	4.8	19.2
12 7	3 6.32	+15 4.2	2.132	3.044	8.4	19.4
12 17	3 0.88	+14 43.5	2.210	3.044	11.5	19.6

450397 2005 SG_{80} 11 15.4 51°.87 0°.5/15.7 18

10 8	3 50.37	+20 57.5	1.924	2.723	15.1	21.3
10 18	3 46.11	+20 54.6	1.847	2.729	11.8	21.1
10 28	3 39.43	+20 43.4	1.792	2.736	8.1	20.9
11 7	3 31.00	+20 24.4	1.763	2.743	3.9	20.7
11 17	3 21.75	+19 59.6	1.761	2.750	0.8	20.5
11 27	3 12.83	+19 32.6	1.789	2.757	4.9	20.8
12 7	3 5.26	+19 7.4	1.844	2.764	8.9	21.0
12 17	2 59.80	+18 48.0	1.924	2.771	12.4	21.3

414311 2008 RV_{89} 11 15.4 303°.07 3°.8/17.9 17

10 8	3 50.01	+30 55.2	2.381	3.138	13.7	21.6
10 18	3 45.69	+31 15.9	2.287	3.134	11.2	21.4
10 28	3 39.13	+31 24.5	2.215	3.130	8.4	21.2
11 7	3 30.88	+31 19.3	2.168	3.126	5.6	21.0
11 17	3 21.78	+31 0.0	2.149	3.122	3.8	20.9
11 27	3 12.84	+30 28.5	2.159	3.119	5.1	21.0
12 7	3 5.05	+29 49.1	2.198	3.115	7.9	21.1
12 17	2 59.17	+29 6.8	2.262	3.112	10.8	21.3

440798 2006 PZ_{7} 11 15.4 120°.03 5°.2/19.0 18

10 8	3 57.60	+35 14.6	2.330	3.057	14.8	22.0
10 18	3 51.56	+35 47.4	2.255	3.076	12.3	21.8
10 28	3 43.00	+36 5.2	2.200	3.094	9.5	21.7
11 7	3 32.63	+36 5.1	2.171	3.111	6.9	21.6
11 17	3 21.46	+35 46.2	2.169	3.128	5.3	21.5
11 27	3 10.68	+35 10.6	2.197	3.145	6.0	21.6
12 7	3 1.38	+34 23.3	2.253	3.160	8.3	21.7
12 17	2 54.32	+33 30.6	2.336	3.175	10.8	21.9

191972 2005 WR_{18} 11 15.4 291°.18 0°.1/15.4 18

10 8	3 50.86	+20 10.8	1.586	2.399	17.1	20.9
10 18	3 47.31	+19 57.8	1.493	2.383	13.6	20.6
10 28	3 40.76	+19 34.3	1.419	2.367	9.3	20.4
11 7	3 31.83	+19 1.4	1.369	2.351	4.4	20.0
11 17	3 21.58	+18 21.8	1.346	2.334	0.9	19.7
11 27	3 11.45	+17 40.3	1.350	2.318	6.2	20.1
12 7	3 2.83	+17 3.2	1.381	2.303	11.2	20.3
12 17	2 56.78	+16 35.7	1.434	2.287	15.6	20.5

333558 2005 WR_{16} 11 15.4 63°.10 0°.5/15.2 18

10 8	3 56.28	+18 42.2	1.393	2.208	19.0	20.6
10 18	3 51.12	+18 30.4	1.345	2.236	14.8	20.4
10 28	3 42.88	+18 9.9	1.316	2.265	9.8	20.2
11 7	3 32.55	+17 42.7	1.312	2.293	4.5	20.0
11 17	3 21.51	+17 12.1	1.334	2.322	1.1	19.8
11 27	3 11.26	+16 43.4	1.383	2.350	6.2	20.2
12 7	3 3.06	+16 21.3	1.459	2.379	10.9	20.6
12 17	2 57.66	+16 9.5	1.558	2.407	14.8	20.9

35085 1990 SL_{11} 11 15.4 40°.62 4°.2/17.2 18

10 8	3 54.12	+27 25.1	1.086	1.907	22.8	17.0
10 18	3 50.79	+27 50.4	1.033	1.923	18.3	16.7
10 28	3 43.40	+27 56.6	0.998	1.939	13.2	16.5
11 7	3 33.03	+27 41.2	0.983	1.956	7.7	16.3
11 17	3 21.40	+27 5.1	0.990	1.974	4.2	16.1
11 27	3 10.62	+26 14.7	1.023	1.992	7.3	16.4
12 7	3 2.41	+25 19.8	1.079	2.012	12.3	16.7
12 17	2 57.78	+24 30.1	1.156	2.031	16.9	17.0

143643 2003 NP_{7} 11 15.4 147°.26 4°.1/18.3 16

10 8	4 1.36	+33 7.7	2.237	2.968	15.2	23.3
10 18	3 54.40	+33 8.4	2.156	2.986	12.5	23.1
10 28	3 44.84	+32 52.9	2.096	3.002	9.3	22.9
11 7	3 33.46	+32 19.4	2.062	3.016	6.1	22.7
11 17	3 21.33	+31 28.1	2.057	3.029	4.1	22.6
11 27	3 9.71	+30 22.8	2.083	3.041	5.4	22.7
12 7	2 59.70	+29 10.1	2.139	3.052	8.3	23.0
12 17	2 52.06	+27 57.1	2.223	3.061	11.4	23.2

398807 2013 BR_{37} 11 15.4 351°.42 9°.5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.05	− 2 5.3	1.531	2.353	17.2	20.5
10 18	3 45.48	− 3 9.7	1.467	2.349	14.3	20.3
10 28	3 39.21	− 4 4.8	1.422	2.346	11.5	20.1
11 7	3 30.96	− 4 42.6	1.401	2.344	9.7	20.0
11 17	3 21.80	− 4 56.3	1.404	2.342	9.9	20.0
11 27	3 12.98	− 4 41.9	1.431	2.340	12.0	20.2
12 7	3 5.67	− 3 59.9	1.481	2.340	14.9	20.3
12 17	3 0.70	− 2 53.6	1.552	2.340	17.8	20.5

463730 2014 QW_{329} 11 15.4 339°.07 4°.4/12.7 18

10 8	3 47.13	+ 6 53.4	2.208	3.018	13.0	20.8
10 18	3 43.18	+ 6 15.6	2.129	3.016	10.3	20.6
10 28	3 37.27	+ 5 38.8	2.073	3.013	7.3	20.4
11 7	3 29.97	+ 5 6.8	2.043	3.011	4.9	20.3
11 17	3 21.99	+ 4 43.4	2.041	3.009	4.7	20.2
11 27	3 14.23	+ 4 31.9	2.068	3.007	7.0	20.4
12 7	3 7.50	+ 4 34.2	2.122	3.005	9.9	20.6
12 17	3 2.45	+ 4 50.7	2.200	3.004	12.7	20.8

117574 2005 EJ_{34} 11 15.4 240°.80 1°.8/14.3 18

10 8	3 49.84	+16 27.0	1.837	2.648	15.2	20.2
10 18	3 45.78	+15 49.5	1.756	2.647	11.9	20.0
10 28	3 39.27	+15 4.7	1.697	2.645	8.0	19.7
11 7	3 30.97	+14 15.6	1.663	2.644	3.8	19.5
11 17	3 21.80	+13 26.4	1.657	2.642	2.2	19.4
11 27	3 12.93	+12 42.1	1.679	2.640	6.1	19.6
12 7	3 5.40	+12 7.5	1.729	2.639	10.1	19.8
12 17	3 0.00	+11 45.8	1.803	2.637	13.7	20.1

319184 2005 YY_{131} 11 15.4 156°.03 5°.2/20.2 17

10 8	3 52.79	+39 7.5	2.906	3.607	12.6	21.6
10 18	3 47.48	+39 23.7	2.815	3.614	10.7	21.4
10 28	3 40.12	+39 25.2	2.746	3.620	8.6	21.3
11 7	3 31.27	+39 9.9	2.701	3.625	6.6	21.2
11 17	3 21.76	+38 37.2	2.684	3.630	5.3	21.1
11 27	3 12.51	+37 49.0	2.697	3.635	5.6	21.1
12 7	3 4.42	+36 49.4	2.739	3.640	7.2	21.2
12 17	2 58.13	+35 43.8	2.808	3.644	9.3	21.4

100238 1994 PY_{31} 11 15.4 100°.01 1°.6/14.5 18

10 8	3 53.93	+17 39.3	1.632	2.441	16.9	20.0
10 18	3 49.02	+16 57.8	1.569	2.458	13.1	19.8
10 28	3 41.40	+16 7.8	1.527	2.475	8.8	19.6
11 7	3 31.90	+15 12.5	1.510	2.491	4.1	19.3
11 17	3 21.65	+14 16.8	1.521	2.507	2.0	19.2
11 27	3 11.97	+13 26.5	1.560	2.523	6.3	19.6
12 7	3 3.96	+12 46.9	1.626	2.538	10.6	19.8
12 17	2 58.40	+12 21.3	1.716	2.553	14.2	20.1

392664 2011 UY_{283} 11 15.4 57°.52 1°.5/14.9 18

10 8	3 55.51	+13 48.0	1.643	2.452	16.8	20.3
10 18	3 50.24	+14 3.1	1.583	2.472	13.1	20.1
10 28	3 42.23	+14 16.3	1.545	2.492	8.8	19.9
11 7	3 32.31	+14 28.6	1.531	2.512	4.1	19.7
11 17	3 21.57	+14 41.4	1.546	2.533	1.8	19.6
11 27	3 11.36	+14 56.6	1.589	2.553	6.0	19.9
12 7	3 2.82	+15 16.3	1.659	2.574	10.2	20.2
12 17	2 56.74	+15 42.0	1.754	2.595	13.8	20.5

226887 2004 TO_{133} 11 15.4 62°.41 1°.2/15.9 18

10 8	3 56.86	+19 51.7	2.031	2.815	14.9	19.6
10 18	3 50.97	+20 37.3	1.963	2.835	11.7	19.4
10 28	3 42.62	+21 17.8	1.917	2.855	8.0	19.3
11 7	3 32.48	+21 52.0	1.897	2.875	4.0	19.0
11 17	3 21.53	+22 19.0	1.908	2.895	1.3	18.9
11 27	3 10.95	+22 39.7	1.948	2.915	4.8	19.2
12 7	3 1.78	+22 56.4	2.018	2.935	8.5	19.4
12 17	2 54.80	+23 12.0	2.114	2.955	11.7	19.7

51612 2001 HT_{33} 11 15.4 105°.61 0°.1/15.4 18

10 8	3 49.81	+19 21.2	2.557	3.343	12.1	19.8
10 18	3 44.99	+19 18.0	2.480	3.356	9.5	19.6
10 28	3 38.34	+19 9.3	2.427	3.369	6.4	19.5
11 7	3 30.42	+18 55.8	2.402	3.382	3.0	19.3
11 17	3 21.93	+18 39.0	2.406	3.394	0.6	19.1
11 27	3 13.71	+18 21.4	2.441	3.407	4.0	19.4
12 7	3 6.52	+18 5.7	2.505	3.419	7.2	19.6
12 17	3 0.92	+17 54.5	2.596	3.431	10.0	19.8

376984 2002 OR_{31} 11 15.4 60°.63 6°.2/13.0 18

10 8	3 53.71	+ 6 41.4	1.306	2.137	19.1	20.5
10 18	3 49.32	+ 5 54.7	1.254	2.152	15.1	20.3
10 28	3 41.82	+ 5 10.7	1.222	2.167	10.8	20.1
11 7	3 32.15	+ 4 35.9	1.213	2.183	7.1	19.9
11 17	3 21.62	+ 4 16.2	1.229	2.199	6.6	20.0
11 27	3 11.75	+ 4 15.8	1.270	2.215	9.7	20.2
12 7	3 3.82	+ 4 35.9	1.336	2.231	13.7	20.5
12 17	2 58.66	+ 5 14.8	1.423	2.247	17.3	20.7

412847 2014 PL_{53} 11 15.4 258°.67 4°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.01	+ 6 42.6	2.197	3.008	13.0	21.3
10 18	3 43.06	+ 5 42.2	2.120	3.007	10.3	21.1
10 28	3 37.18	+ 4 41.9	2.067	3.006	7.5	20.9
11 7	3 29.92	+ 3 46.3	2.040	3.005	5.2	20.8
11 17	3 22.03	+ 3 0.4	2.041	3.004	5.2	20.8
11 27	3 14.36	+ 2 28.3	2.071	3.003	7.5	20.9
12 7	3 7.75	+ 2 12.5	2.128	3.002	10.3	21.1
12 17	3 2.81	+ 2 13.7	2.208	3.001	13.0	21.3

206729 2004 BL_{80} 11 15.4 103°.96 0°.8/15.9 18

10 8	3 51.42	+22 14.7	1.940	2.733	15.1	20.6
10 18	3 46.94	+22 7.6	1.861	2.739	12.0	20.4
10 28	3 40.01	+21 50.8	1.803	2.745	8.2	20.1
11 7	3 31.30	+21 25.0	1.771	2.750	4.0	19.9
11 17	3 21.77	+20 52.0	1.767	2.755	1.0	19.7
11 27	3 12.55	+20 15.7	1.793	2.761	4.9	20.0
12 7	3 4.72	+19 40.8	1.846	2.766	8.9	20.2
12 17	2 59.02	+19 11.8	1.924	2.771	12.5	20.5

411966 2012 HO_{46} 11 15.4 181°.16 3°.0/13.5 18

10 8	3 48.60	+ 9 30.2	2.477	3.277	12.0	20.7
10 18	3 44.11	+ 9 9.5	2.394	3.278	9.4	20.5
10 28	3 37.80	+ 8 48.7	2.335	3.278	6.5	20.3
11 7	3 30.20	+ 8 30.4	2.304	3.278	3.8	20.1
11 17	3 21.98	+ 8 17.1	2.301	3.278	3.3	20.1
11 27	3 13.96	+ 8 11.5	2.329	3.277	5.6	20.3
12 7	3 6.89	+ 8 15.2	2.385	3.277	8.6	20.5
12 17	3 1.37	+ 8 29.1	2.466	3.277	11.3	20.6

15218 1981 EO_{41} 11 15.4 38°.59 4°.8/17.7 18

10 8	3 54.02	+29 32.3	1.680	2.460	17.7	18.0
10 18	3 49.64	+30 19.8	1.609	2.470	14.4	17.8
10 28	3 42.19	+30 53.5	1.557	2.480	10.7	17.6
11 7	3 32.43	+31 10.1	1.529	2.491	7.0	17.4
11 17	3 21.55	+31 8.1	1.527	2.502	4.8	17.3
11 27	3 11.05	+30 49.7	1.553	2.514	6.5	17.5
12 7	3 2.29	+30 20.3	1.605	2.526	10.0	17.7
12 17	2 56.24	+29 47.0	1.681	2.538	13.4	17.9

42299 2001 UQ_{136} 11 15.4 81°.12 2°.4/14.3 18

10 8	3 53.77	+11 24.1	2.007	2.808	14.4	17.6
10 18	3 48.39	+11 23.0	1.942	2.827	11.2	17.4
10 28	3 40.76	+11 21.4	1.900	2.845	7.6	17.2
11 7	3 31.58	+11 21.2	1.885	2.863	3.9	17.0
11 17	3 21.75	+11 24.5	1.898	2.881	2.7	17.0
11 27	3 12.32	+11 33.3	1.941	2.899	5.8	17.2
12 7	3 4.23	+11 49.2	2.013	2.916	9.3	17.5
12 17	2 58.15	+12 13.2	2.109	2.934	12.4	17.7

450392 2005 QE_{109} 11 15.4 17°.43 4°.7/18.2 18

10 8	3 51.41	+31 24.1	1.835	2.607	16.7	21.0
10 18	3 47.44	+31 51.3	1.754	2.609	13.7	20.8
10 28	3 40.63	+32 3.3	1.693	2.612	10.3	20.6
11 7	3 31.70	+31 57.5	1.656	2.615	6.9	20.4
11 17	3 21.71	+31 33.3	1.644	2.618	4.8	20.3
11 27	3 12.03	+30 53.4	1.661	2.622	6.2	20.4
12 7	3 3.91	+30 3.8	1.704	2.626	9.4	20.6
12 17	2 58.26	+29 11.7	1.772	2.630	12.8	20.8

103232 1999 YU_{16} 11 15.4 202°.00 4°.2/18.5 18

10 8	3 53.93	+33 35.3	2.489	3.225	13.7	20.2
10 18	3 48.68	+33 43.7	2.390	3.221	11.4	20.0
10 28	3 41.11	+33 38.0	2.312	3.216	8.7	19.8
11 7	3 31.82	+33 16.1	2.259	3.210	5.9	19.7
11 17	3 21.69	+32 37.8	2.235	3.204	4.2	19.6
11 27	3 11.77	+31 45.6	2.241	3.197	5.2	19.6
12 7	3 3.06	+30 44.4	2.276	3.190	7.8	19.8
12 17	2 56.33	+29 40.3	2.339	3.182	10.7	19.9

259445 2003 SS_{49} 11 15.4 53°.27 0°.9/15.0 18

10 8	3 52.31	+20 1.6	1.240	2.068	20.1	20.4
10 18	3 48.67	+19 24.4	1.180	2.080	15.7	20.2
10 28	3 41.63	+18 34.2	1.140	2.092	10.6	20.0
11 7	3 32.15	+17 34.2	1.122	2.104	4.9	19.7
11 17	3 21.65	+16 30.3	1.129	2.117	1.5	19.5
11 27	3 11.82	+15 30.2	1.162	2.130	7.0	19.9
12 7	3 4.09	+14 41.6	1.220	2.143	12.2	20.2
12 17	2 59.36	+14 9.4	1.300	2.157	16.6	20.5

518371 2017 FC_{25} 11 15.4 45°.59 0°.2/15.6 18

10 8	3 47.50	+21 45.8	2.195	2.990	13.6	21.1
10 18	3 43.56	+21 16.0	2.115	2.995	10.6	20.9
10 28	3 37.57	+20 36.7	2.057	3.000	7.2	20.7
11 7	3 30.12	+19 49.5	2.026	3.006	3.4	20.5
11 17	3 22.02	+18 57.4	2.023	3.012	0.6	20.2
11 27	3 14.22	+18 4.7	2.050	3.017	4.5	20.6
12 7	3 7.58	+17 16.1	2.106	3.023	8.1	20.8
12 17	3 2.73	+16 35.5	2.187	3.029	11.3	21.0

432608 2010 UU_{10} 11 15.4 349°.68 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 56.19	+19 30.0	1.380	2.194	19.2	20.6
10 18	3 51.82	+19 53.7	1.303	2.194	15.2	20.3
10 28	3 43.96	+20 10.2	1.246	2.193	10.4	20.0
11 7	3 33.39	+20 18.8	1.212	2.193	5.1	19.7
11 17	3 21.40	+20 19.9	1.204	2.193	1.1	19.5
11 27	3 9.72	+20 16.2	1.223	2.193	6.5	19.8
12 7	2 59.97	+20 12.3	1.268	2.193	11.7	20.1
12 17	2 53.27	+20 13.1	1.335	2.193	16.2	20.4

380531 2004 GE_{59} 11 15.4 202°.77 0°.7/15.8 18

10 8	3 55.72	+20 22.4	1.779	2.574	16.3	20.9
10 18	3 50.69	+20 34.4	1.692	2.571	12.9	20.7
10 28	3 42.80	+20 38.8	1.626	2.568	8.9	20.4
11 7	3 32.73	+20 35.6	1.586	2.565	4.3	20.1
11 17	3 21.53	+20 25.3	1.573	2.562	0.9	19.9
11 27	3 10.54	+20 11.0	1.590	2.558	5.5	20.2
12 7	3 1.05	+19 56.7	1.634	2.553	10.0	20.4
12 17	2 54.00	+19 46.7	1.703	2.548	13.9	20.7

82477 2001 OC_{24} 11 15.4 99°.40 2°.2/16.7 18

10 8	3 52.89	+25 30.8	1.991	2.772	15.2	20.1
10 18	3 48.09	+25 40.2	1.914	2.782	12.2	19.9
10 28	3 40.78	+25 38.5	1.858	2.792	8.6	19.7
11 7	3 31.68	+25 25.1	1.828	2.801	4.7	19.5
11 17	3 21.74	+25 0.9	1.826	2.811	2.2	19.3
11 27	3 12.16	+24 29.1	1.854	2.821	4.9	19.5
12 7	3 3.98	+23 54.3	1.909	2.830	8.6	19.8
12 17	2 58.00	+23 21.7	1.990	2.839	12.0	20.0

503413 2016 DE 11 15.4 204°.77 13°.1/23.4 17

10 8	4 3.28	+47 51.5	1.355	2.066	24.2	21.5
10 18	3 59.18	+48 51.5	1.276	2.064	21.6	21.3
10 28	3 49.93	+49 20.4	1.211	2.062	18.7	21.0
11 7	3 36.45	+49 6.9	1.163	2.060	15.7	20.9
11 17	3 20.83	+48 2.7	1.136	2.057	13.5	20.7
11 27	3 5.95	+46 9.3	1.131	2.053	13.2	20.7
12 7	2 54.34	+43 39.7	1.149	2.049	15.0	20.8
12 17	2 47.41	+40 53.3	1.190	2.045	18.0	21.0

73221 2002 JP_{24} 11 15.4 190°.16 1°.9/14.5 18

10 8	3 56.11	+14 47.3	1.781	2.582	16.0	20.3
10 18	3 50.81	+14 32.2	1.697	2.582	12.6	20.1
10 28	3 42.77	+14 12.4	1.635	2.580	8.5	19.8
11 7	3 32.67	+13 50.2	1.598	2.578	4.1	19.5
11 17	3 21.55	+13 28.4	1.590	2.576	2.2	19.4
11 27	3 10.70	+13 10.9	1.611	2.572	6.3	19.7
12 7	3 1.33	+13 1.3	1.660	2.568	10.6	19.9
12 17	2 54.32	+13 2.2	1.733	2.563	14.4	20.1

456155 2006 FP_{30} 11 15.4 257°.81 3°.3/12.5 18

10 8	3 46.65	+10 44.3	2.610	3.412	11.5	22.0
10 18	3 42.61	+ 9 42.8	2.511	3.395	9.0	21.8
10 28	3 36.83	+ 8 37.5	2.436	3.378	6.3	21.6
11 7	3 29.79	+ 7 32.3	2.389	3.361	3.9	21.4
11 17	3 22.10	+ 6 31.2	2.372	3.344	3.7	21.3
11 27	3 14.52	+ 5 38.9	2.385	3.326	6.0	21.5
12 7	3 7.78	+ 4 58.6	2.426	3.307	8.9	21.6
12 17	3 2.48	+ 4 32.6	2.493	3.289	11.6	21.8

147770 2005 QV_{53} 11 15.4 90°.86 0°.7/15.8 18

10 8	3 50.71	+21 38.7	2.028	2.821	14.6	20.5
10 18	3 46.31	+21 34.2	1.946	2.825	11.5	20.3
10 28	3 39.56	+21 20.9	1.887	2.829	7.9	20.1
11 7	3 31.11	+20 59.6	1.854	2.833	3.8	19.9
11 17	3 21.86	+20 31.9	1.849	2.837	0.9	19.6
11 27	3 12.88	+20 1.3	1.873	2.841	4.8	19.9
12 7	3 5.19	+19 32.1	1.925	2.844	8.7	20.2
12 17	2 59.54	+19 8.2	2.002	2.848	12.1	20.4

173534 2000 WY_{71} 11 15.4 317°.85 3°.9/16.8 18

10 8	3 54.21	+25 29.0	1.302	2.113	20.3	20.1
10 18	3 50.85	+26 13.3	1.220	2.104	16.5	19.8
10 28	3 43.70	+26 45.9	1.156	2.095	11.9	19.5
11 7	3 33.43	+27 3.0	1.113	2.087	7.0	19.2
11 17	3 21.39	+27 2.6	1.095	2.079	3.9	19.0
11 27	3 9.49	+26 46.6	1.103	2.071	7.2	19.2
12 7	2 59.61	+26 21.4	1.135	2.064	12.3	19.5
12 17	2 53.08	+25 54.9	1.189	2.057	17.0	19.7

161352 2003 SY_{140} 11 15.4 143°.86 0°.6/15.9 18

10 8	3 48.61	+23 54.6	2.768	3.542	11.6	20.4
10 18	3 43.95	+23 17.0	2.683	3.550	9.1	20.2
10 28	3 37.59	+22 29.9	2.621	3.558	6.2	20.0
11 7	3 30.08	+21 34.7	2.588	3.566	3.1	19.8
11 17	3 22.08	+20 33.9	2.585	3.573	0.7	19.6
11 27	3 14.35	+19 31.3	2.613	3.580	3.7	19.9
12 7	3 7.59	+18 31.1	2.672	3.586	6.8	20.1
12 17	3 2.34	+17 37.2	2.758	3.592	9.5	20.3

117647 2005 ED_{140} 11 15.4 94°.99 6°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.89	+ 2 21.9	1.876	2.686	15.0	20.0
10 18	3 46.31	+ 1 31.7	1.812	2.694	12.1	19.9
10 28	3 39.47	+ 0 46.4	1.770	2.701	9.1	19.7
11 7	3 31.03	+ 0 11.5	1.753	2.709	6.9	19.6
11 17	3 21.90	− 0 8.2	1.763	2.716	6.9	19.6
11 27	3 13.14	− 0 9.3	1.800	2.724	9.0	19.8
12 7	3 5.69	+ 0 8.9	1.863	2.731	11.9	20.0
12 17	3 0.25	+ 0 45.2	1.949	2.738	14.6	20.2

518502 2006 BA_{230} 11 15.4 251°.15 4°.7/12.5 18

10 8	3 48.36	+ 5 20.8	2.286	3.091	12.8	21.0
10 18	3 44.08	+ 4 44.4	2.206	3.088	10.2	20.8
10 28	3 37.87	+ 4 10.0	2.149	3.086	7.4	20.6
11 7	3 30.28	+ 3 41.6	2.119	3.083	5.1	20.5
11 17	3 22.04	+ 3 22.6	2.117	3.080	5.0	20.5
11 27	3 13.99	+ 3 16.3	2.143	3.077	7.1	20.6
12 7	3 6.96	+ 3 24.2	2.197	3.074	9.9	20.8
12 17	3 1.58	+ 3 46.2	2.275	3.071	12.6	21.0

84353 2002 TU_{79} 11 15.4 46°.01 4°.7/13.7 18

10 8	3 53.08	+10 10.4	1.213	2.050	19.9	18.7
10 18	3 49.09	+ 9 37.0	1.163	2.067	15.6	18.5
10 28	3 41.81	+ 9 3.2	1.132	2.084	10.7	18.2
11 7	3 32.22	+ 8 34.3	1.124	2.101	6.1	18.0
11 17	3 21.73	+ 8 15.5	1.140	2.119	5.1	18.0
11 27	3 11.95	+ 8 11.5	1.182	2.138	8.8	18.3
12 7	3 4.24	+ 8 24.4	1.248	2.157	13.3	18.6
12 17	2 59.43	+ 8 53.8	1.334	2.176	17.2	18.9

326283 1996 VZ_{25} 11 15.4 37°.51 5°.0/13.1 15

10 8	3 49.80	+12 32.2	1.156	2.002	20.1	20.5
10 18	3 46.74	+11 19.5	1.103	2.013	15.7	20.3
10 28	3 40.34	+10 0.8	1.070	2.024	10.8	20.1
11 7	3 31.58	+ 8 43.8	1.058	2.036	6.2	19.8
11 17	3 21.85	+ 7 37.4	1.071	2.049	5.5	19.9
11 27	3 12.79	+ 6 49.7	1.108	2.063	9.5	20.1
12 7	3 5.80	+ 6 25.4	1.169	2.077	14.1	20.4
12 17	3 1.70	+ 6 25.2	1.249	2.091	18.1	20.7

440835 2006 SE_{3} 11 15.4 26°.55 8°.4/19.6 17

10 8	3 53.78	+35 13.6	1.287	2.071	21.9	20.3
10 18	3 50.47	+36 30.6	1.235	2.090	18.3	20.1
10 28	3 43.24	+37 25.5	1.201	2.110	14.5	19.9
11 7	3 33.06	+37 52.1	1.186	2.131	10.8	19.8
11 17	3 21.57	+37 47.2	1.195	2.154	8.6	19.7
11 27	3 10.78	+37 14.0	1.227	2.178	9.3	19.9
12 7	3 2.43	+36 21.4	1.283	2.203	12.1	20.1
12 17	2 57.57	+35 20.5	1.362	2.228	15.4	20.4

352927 2008 YG_{171} 11 15.4 341°.44 1°.7/14.6 18

10 8	3 44.18	+17 43.3	1.226	2.072	19.2	20.4
10 18	3 42.74	+17 12.3	1.146	2.056	15.2	20.1
10 28	3 38.01	+16 29.7	1.085	2.042	10.3	19.8
11 7	3 30.70	+15 39.2	1.046	2.029	4.9	19.4
11 17	3 21.99	+14 46.0	1.030	2.017	2.3	19.2
11 27	3 13.49	+13 57.9	1.040	2.007	7.6	19.5
12 7	3 6.77	+13 22.0	1.072	1.999	13.1	19.8
12 17	3 2.91	+13 3.4	1.124	1.992	17.9	20.1

42973 1999 TU_{184} 11 15.4 235°.87 4°.0/18.5 18

10 8	3 53.66	+33 30.9	2.176	2.923	15.1	18.6
10 18	3 48.84	+33 16.9	2.071	2.911	12.5	18.3
10 28	3 41.42	+32 45.1	1.987	2.898	9.5	18.1
11 7	3 32.07	+31 53.7	1.928	2.885	6.2	17.9
11 17	3 21.75	+30 43.3	1.897	2.872	4.1	17.8
11 27	3 11.68	+29 18.0	1.896	2.858	5.4	17.8
12 7	3 2.98	+27 45.0	1.924	2.844	8.7	18.0
12 17	2 56.51	+26 12.2	1.979	2.829	12.1	18.2

445664 2011 UA_{80} 11 15.4 344°.20 1°.2/16.1 18

10 8	3 50.56	+22 57.7	1.818	2.617	15.8	21.3
10 18	3 46.57	+22 53.4	1.735	2.615	12.6	21.1
10 28	3 39.97	+22 38.4	1.672	2.614	8.7	20.9
11 7	3 31.41	+22 13.0	1.634	2.612	4.4	20.6
11 17	3 21.88	+21 39.1	1.624	2.611	1.2	20.4
11 27	3 12.63	+21 0.5	1.642	2.611	5.2	20.7
12 7	3 4.79	+20 22.6	1.687	2.610	9.4	20.9
12 17	2 59.22	+19 50.4	1.757	2.609	13.2	21.2

421894 2014 QQ_{198} 11 15.4 13°.18 6°.9/10.9 18

10 8	3 45.09	+ 4 22.4	1.740	2.568	15.2	20.0
10 18	3 42.04	+ 2 57.9	1.678	2.571	12.2	19.8
10 28	3 36.72	+ 1 35.3	1.638	2.575	9.2	19.6
11 7	3 29.81	+ 0 22.0	1.622	2.580	7.1	19.5
11 17	3 22.20	− 0 35.3	1.633	2.586	7.4	19.6
11 27	3 14.93	− 1 11.2	1.671	2.592	9.7	19.7
12 7	3 8.95	− 1 23.5	1.732	2.599	12.6	19.9
12 17	3 4.94	− 1 12.8	1.815	2.607	15.4	20.1

80371 1999 XM_{154} 11 15.4 62°.03 4°.2/13.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.66	+10 22.7	1.333	2.160	19.0	18.8
10 18	3 50.13	+ 9 57.8	1.277	2.175	14.9	18.5
10 28	3 42.45	+ 9 32.3	1.241	2.190	10.2	18.3
11 7	3 32.54	+ 9 10.7	1.228	2.205	5.7	18.1
11 17	3 21.71	+ 8 57.5	1.240	2.220	4.5	18.1
11 27	3 11.50	+ 8 56.6	1.280	2.236	8.2	18.4
12 7	3 3.24	+ 9 10.3	1.344	2.252	12.6	18.7
12 17	2 57.77	+ 9 38.7	1.430	2.267	16.5	18.9

337907 2001 XA_{94} 11 15.4 50°.55 0°.8/15.8 18

10 8	3 55.17	+20 38.1	1.312	2.130	19.8	20.3
10 18	3 50.72	+20 48.9	1.259	2.151	15.5	20.1
10 28	3 42.93	+20 49.7	1.225	2.172	10.5	19.9
11 7	3 32.78	+20 40.6	1.214	2.194	5.1	19.7
11 17	3 21.68	+20 23.6	1.228	2.216	1.1	19.4
11 27	3 11.30	+20 3.1	1.269	2.239	6.2	19.8
12 7	3 3.03	+19 44.7	1.336	2.262	11.1	20.2
12 17	2 57.74	+19 33.0	1.425	2.285	15.2	20.5

333353 2001 UV_{42} 11 15.4 60°.22 1°.6/14.7 18

10 8	3 53.95	+17 15.7	1.374	2.196	18.8	20.7
10 18	3 49.45	+16 46.7	1.322	2.218	14.6	20.5
10 28	3 41.89	+16 9.7	1.290	2.241	9.8	20.2
11 7	3 32.23	+15 27.9	1.282	2.264	4.5	20.0
11 17	3 21.79	+14 45.9	1.300	2.287	2.0	19.9
11 27	3 12.07	+14 9.6	1.345	2.310	6.7	20.3
12 7	3 4.31	+13 43.9	1.415	2.333	11.3	20.6
12 17	2 59.28	+13 31.8	1.508	2.356	15.2	20.9

359857 2011 UN_{400} 11 15.4 76°.95 0°.4/15.7 18

10 8	3 52.55	+19 44.7	1.901	2.699	15.3	21.2
10 18	3 47.94	+19 53.8	1.821	2.702	12.0	21.0
10 28	3 40.80	+19 56.1	1.762	2.705	8.2	20.8
11 7	3 31.78	+19 51.9	1.729	2.709	3.9	20.5
11 17	3 21.85	+19 42.4	1.724	2.712	0.7	20.3
11 27	3 12.18	+19 30.4	1.748	2.715	5.1	20.6
12 7	3 3.88	+19 19.4	1.799	2.719	9.2	20.9
12 17	2 57.77	+19 12.9	1.876	2.722	12.8	21.1

311105 2004 HV_{36} 11 15.4 228°.14 3°.7/12.5 18

10 8	3 48.41	+11 34.0	2.240	3.046	13.0	20.9
10 18	3 44.22	+10 19.5	2.151	3.038	10.2	20.7
10 28	3 38.04	+ 8 59.9	2.087	3.031	7.1	20.5
11 7	3 30.42	+ 7 39.9	2.050	3.023	4.3	20.3
11 17	3 22.11	+ 6 25.0	2.042	3.015	4.1	20.3
11 27	3 14.00	+ 5 20.8	2.065	3.006	6.8	20.5
12 7	3 6.94	+ 4 31.4	2.115	2.997	10.0	20.7
12 17	3 1.58	+ 3 59.2	2.189	2.988	12.9	20.8

341945 2008 PE 11 15.4 56°.96 1°.9/14.6 18

10 8	3 54.57	+15 30.1	1.370	2.192	18.8	20.4
10 18	3 49.91	+15 11.6	1.319	2.216	14.6	20.2
10 28	3 42.19	+14 47.4	1.289	2.240	9.8	20.0
11 7	3 32.37	+14 20.6	1.282	2.264	4.6	19.8
11 17	3 21.77	+13 55.2	1.302	2.288	2.3	19.7
11 27	3 11.90	+13 35.7	1.348	2.312	6.8	20.1
12 7	3 3.99	+13 26.1	1.420	2.337	11.4	20.4
12 17	2 58.83	+13 28.6	1.515	2.361	15.3	20.7

207013 2004 TC_{354} 11 15.5 14°.73 0°.4/15.6 18

10 8	3 49.70	+20 21.1	1.311	2.139	19.2	20.2
10 18	3 46.72	+20 20.8	1.244	2.142	15.2	20.0
10 28	3 40.46	+20 10.1	1.196	2.147	10.3	19.7
11 7	3 31.75	+19 49.8	1.170	2.152	4.9	19.4
11 17	3 21.87	+19 22.6	1.170	2.158	0.9	19.2
11 27	3 12.44	+18 53.6	1.195	2.165	6.4	19.6
12 7	3 4.91	+18 28.7	1.245	2.173	11.5	19.9
12 17	3 0.24	+18 12.9	1.317	2.182	15.9	20.2

436500 2011 FU_1 11 15.5 155°.49 4°.6/12.5 16

10 8	3 52.60	+ 8 7.8	2.105	2.906	13.9	22.4
10 18	3 47.42	+ 7 7.4	2.033	2.915	10.9	22.2
10 28	3 40.13	+ 6 6.3	1.984	2.923	7.7	22.1
11 7	3 31.36	+ 5 9.0	1.962	2.930	5.1	21.9
11 17	3 21.95	+ 4 20.6	1.970	2.937	4.9	21.9
11 27	3 12.88	+ 3 45.4	2.007	2.943	7.4	22.1
12 7	3 5.04	+ 3 26.2	2.071	2.948	10.4	22.3
12 17	2 59.07	+ 3 23.8	2.160	2.952	13.3	22.5

477261 2009 SO_{74} 11 15.5 106°.65 1°.5/16.1 18

10 8	3 58.81	+21 17.8	1.638	2.431	17.5	21.3
10 18	3 53.19	+21 47.4	1.568	2.445	13.9	21.1
10 28	3 44.50	+22 9.1	1.518	2.458	9.6	20.9
11 7	3 33.55	+22 21.5	1.494	2.471	4.8	20.6
11 17	3 21.55	+22 24.6	1.497	2.484	1.6	20.5
11 27	3 9.98	+22 20.6	1.529	2.496	5.6	20.8
12 7	3 0.21	+22 13.9	1.588	2.509	10.1	21.1
12 17	2 53.15	+22 8.9	1.672	2.520	14.0	21.3

9149 1977 TD_1 11 15.5 4°.48 4°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.15	+15 41.7	1.366	2.206	18.0	16.8
10 18	3 42.83	+14 8.6	1.298	2.205	14.0	16.6
10 28	3 37.64	+12 23.5	1.251	2.206	9.5	16.3
11 7	3 30.36	+10 34.1	1.227	2.207	5.1	16.1
11 17	3 22.14	+ 8 49.7	1.230	2.210	4.6	16.1
11 27	3 14.36	+ 7 20.6	1.258	2.213	8.6	16.3
12 7	3 8.25	+ 6 14.2	1.311	2.217	13.0	16.6
12 17	3 4.61	+ 5 33.7	1.386	2.223	17.0	16.8

198036 2004 RU_{254} 11 15.5 68°.14 2°.6/14.4 18

10 8	3 53.92	+12 51.5	1.563	2.380	17.2	20.2
10 18	3 49.27	+12 41.1	1.497	2.390	13.4	19.9
10 28	3 41.79	+12 28.3	1.452	2.401	9.1	19.7
11 7	3 32.26	+12 15.8	1.432	2.411	4.6	19.5
11 17	3 21.82	+12 6.7	1.438	2.422	2.9	19.4
11 27	3 11.83	+12 4.3	1.472	2.433	6.8	19.7
12 7	3 3.50	+12 11.3	1.533	2.444	11.1	20.0
12 17	2 57.68	+12 29.3	1.616	2.455	14.9	20.2

252800 2002 FC_{21} 11 15.5 263°.41 3°.1/14.3 18

10 8	3 54.78	+12 23.6	1.421	2.243	18.3	20.1
10 18	3 50.47	+12 10.9	1.343	2.239	14.4	19.8
10 28	3 42.95	+11 55.9	1.286	2.236	9.9	19.5
11 7	3 32.95	+11 41.4	1.252	2.232	5.1	19.3
11 17	3 21.68	+11 31.2	1.245	2.228	3.4	19.1
11 27	3 10.69	+11 29.3	1.264	2.225	7.7	19.4
12 7	3 1.47	+11 38.9	1.308	2.221	12.5	19.7
12 17	2 55.03	+12 1.6	1.375	2.217	16.8	19.9

9998 ISO 11 15.5 27°.47 3°.6/16.9 18

10 8	3 53.92	+25 54.7	1.150	1.970	21.8	17.8
10 18	3 50.73	+26 22.0	1.085	1.975	17.6	17.6
10 28	3 43.57	+26 33.2	1.037	1.980	12.6	17.3
11 7	3 33.34	+26 25.9	1.011	1.986	7.2	17.0
11 17	3 21.61	+25 59.9	1.007	1.992	3.6	16.9
11 27	3 10.42	+25 20.2	1.029	1.999	7.2	17.1
12 7	3 1.61	+24 35.5	1.074	2.006	12.4	17.4
12 17	2 56.31	+23 54.8	1.140	2.014	17.2	17.7

12258 Oscarwilde 11 15.5 170°.22 0°.5/15.8 18

10 8	3 52.35	+21 53.1	2.159	2.945	14.1	19.3
10 18	3 47.46	+21 35.3	2.074	2.948	11.1	19.1
10 28	3 40.30	+21 8.3	2.011	2.951	7.6	18.9
11 7	3 31.51	+20 32.8	1.974	2.953	3.6	18.7
11 17	3 21.96	+19 51.2	1.966	2.955	0.7	18.4
11 27	3 12.68	+19 7.2	1.989	2.956	4.6	18.7
12 7	3 4.65	+18 25.7	2.040	2.957	8.4	19.0
12 17	2 58.57	+17 50.6	2.118	2.957	11.8	19.2

411520 2011 BF_{51} 11 15.5 317°.46 1°.8/14.5 17

10 8	3 48.64	+14 17.0	2.046	2.854	14.0	20.8
10 18	3 44.76	+14 7.2	1.954	2.844	10.9	20.6
10 28	3 38.63	+13 54.0	1.886	2.833	7.4	20.4
11 7	3 30.80	+13 39.4	1.843	2.823	3.6	20.1
11 17	3 22.08	+13 26.0	1.828	2.813	2.0	20.0
11 27	3 13.49	+13 16.7	1.842	2.803	5.6	20.2
12 7	3 6.03	+13 14.3	1.883	2.794	9.4	20.4
12 17	3 0.45	+13 21.0	1.949	2.785	12.8	20.6

106886 2000 YC_{38} 11 15.5 352°.94 7°.9/11.2 18

10 8	3 49.18	− 2 48.9	2.004	2.806	14.4	19.0
10 18	3 44.96	− 3 38.2	1.935	2.805	12.0	18.8
10 28	3 38.60	− 4 19.1	1.888	2.804	9.6	18.6
11 7	3 30.71	− 4 45.7	1.866	2.803	8.1	18.6
11 17	3 22.12	− 4 53.5	1.870	2.802	8.2	18.6
11 27	3 13.80	− 4 39.5	1.900	2.802	10.0	18.7
12 7	3 6.65	− 4 3.8	1.956	2.802	12.4	18.8
12 17	3 1.35	− 3 8.6	2.033	2.802	14.8	19.0

395859 2013 AD_5 11 15.5 191°.93 4°.0/13.6 18

10 8	3 54.18	+ 7 13.7	2.034	2.835	14.3	21.3
10 18	3 48.90	+ 7 0.1	1.952	2.834	11.3	21.1
10 28	3 41.31	+ 6 48.6	1.893	2.832	8.0	20.9
11 7	3 32.01	+ 6 42.2	1.860	2.831	4.9	20.7
11 17	3 21.88	+ 6 43.9	1.855	2.829	4.3	20.7
11 27	3 11.97	+ 6 56.0	1.880	2.827	6.9	20.8
12 7	3 3.29	+ 7 19.9	1.933	2.824	10.3	21.0
12 17	2 56.60	+ 7 55.4	2.011	2.821	13.5	21.2

291060 2005 YH_{77} 11 15.5 225°.98 0°.1/15.5 18

10 8	3 52.84	+19 57.1	1.759	2.561	16.1	21.3
10 18	3 48.44	+19 49.2	1.673	2.558	12.7	21.1
10 28	3 41.31	+19 32.6	1.609	2.554	8.7	20.9
11 7	3 32.11	+19 8.3	1.570	2.551	4.1	20.6
11 17	3 21.86	+18 38.3	1.558	2.547	0.7	20.3
11 27	3 11.85	+18 6.8	1.575	2.543	5.6	20.7
12 7	3 3.31	+17 38.7	1.619	2.539	10.0	20.9
12 17	2 57.12	+17 18.3	1.688	2.534	13.9	21.2

141395 2002 AX_{128} 11 15.5 167°.65 3°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.87	+ 6 29.5	2.768	3.562	11.1	20.2
10 18	3 44.10	+ 5 55.6	2.689	3.566	8.7	20.0
10 28	3 37.72	+ 5 22.9	2.634	3.570	6.2	19.8
11 7	3 30.23	+ 4 54.3	2.607	3.573	4.2	19.7
11 17	3 22.22	+ 4 32.7	2.610	3.575	4.0	19.7
11 27	3 14.41	+ 4 20.7	2.643	3.578	5.9	19.8
12 7	3 7.47	+ 4 19.8	2.704	3.579	8.3	20.0
12 17	3 1.91	+ 4 30.6	2.791	3.581	10.7	20.2

267129 2000 EU_{13} 11 15.5 247°.73 1°.6/14.7 18

10 8	3 53.27	+16 10.7	1.755	2.562	16.0	21.2
10 18	3 48.84	+15 49.8	1.662	2.550	12.6	21.0
10 28	3 41.65	+15 22.4	1.590	2.537	8.6	20.7
11 7	3 32.31	+14 50.5	1.543	2.524	4.1	20.4
11 17	3 21.82	+14 17.4	1.524	2.511	2.0	20.3
11 27	3 11.46	+13 47.6	1.534	2.497	6.3	20.5
12 7	3 2.49	+13 25.7	1.570	2.482	10.8	20.7
12 17	2 55.85	+13 15.2	1.631	2.468	14.8	21.0

167328 2003 UU_{270} 11 15.5 184°.03 4°.3/12.6 18

10 8	3 50.71	+ 8 25.0	2.137	2.942	13.6	20.4
10 18	3 46.05	+ 7 31.4	2.057	2.942	10.7	20.2
10 28	3 39.29	+ 6 36.7	2.001	2.942	7.6	20.0
11 7	3 31.04	+ 5 45.4	1.972	2.941	4.9	19.8
11 17	3 22.08	+ 5 1.9	1.971	2.940	4.7	19.8
11 27	3 13.38	+ 4 30.8	2.000	2.939	7.2	20.0
12 7	3 5.82	+ 4 14.6	2.056	2.937	10.3	20.2
12 17	3 0.07	+ 4 14.3	2.136	2.934	13.2	20.4

224136 2005 QF_{36} 11 15.5 46°.54 0°.9/15.1 18

10 8	3 52.62	+19 1.5	1.230	2.060	20.1	19.7
10 18	3 48.83	+18 34.7	1.179	2.079	15.7	19.5
10 28	3 41.70	+17 57.2	1.147	2.099	10.5	19.3
11 7	3 32.24	+17 12.1	1.137	2.120	4.8	19.0
11 17	3 21.89	+16 24.5	1.153	2.141	1.5	18.9
11 27	3 12.29	+15 40.9	1.194	2.162	6.8	19.3
12 7	3 4.82	+15 7.6	1.260	2.184	11.9	19.6
12 17	3 0.29	+14 48.6	1.348	2.206	16.1	19.9

422638 1994 CB 11 15.5 170°.53 36°.9/ 6.4 15 R

10 8	4 56.77	+66 33.2	0.584	1.295	47.6	22.3
10 18	5 1.88	+70 20.6	0.556	1.304	45.5	22.1
10 28	4 50.03	+73 35.2	0.529	1.310	43.3	22.0
11 7	4 12.79	+75 42.8	0.504	1.314	41.0	21.8
11 17	3 14.00	+75 44.7	0.482	1.316	39.0	21.7
11 27	2 22.27	+73 5.8	0.466	1.315	37.5	21.5
12 7	1 56.40	+68 19.3	0.458	1.312	36.9	21.5
12 17	1 52.12	+62 19.3	0.459	1.306	37.7	21.5

109358 2001 QR_{155} 11 15.5 77°.87 5°.6/11.9 18

10 8	3 49.45	+ 6 27.2	1.880	2.695	14.8	19.7
10 18	3 45.15	+ 5 15.0	1.822	2.711	11.6	19.6
10 28	3 38.67	+ 4 3.8	1.787	2.726	8.4	19.4
11 7	3 30.72	+ 2 59.5	1.778	2.741	6.0	19.3
11 17	3 22.17	+ 2 7.9	1.796	2.757	6.0	19.3
11 27	3 14.04	+ 1 33.6	1.842	2.772	8.4	19.5
12 7	3 7.24	+ 1 18.7	1.914	2.787	11.3	19.7
12 17	3 2.37	+ 1 23.1	2.009	2.802	14.1	20.0

437875 2001 QR_{126} 11 15.5 30°.60 2°.3/16.8 17

10 8	3 49.41	+27 13.7	1.260	2.077	20.5	19.1
10 18	3 46.35	+26 48.2	1.213	2.101	16.2	18.9
10 28	3 39.99	+26 3.2	1.184	2.127	11.3	18.7
11 7	3 31.41	+25 0.6	1.178	2.155	6.0	18.5
11 17	3 22.06	+23 45.1	1.196	2.183	2.3	18.3
11 27	3 13.54	+22 25.3	1.241	2.212	6.0	18.7
12 7	3 7.13	+21 10.5	1.310	2.242	10.7	19.0
12 17	3 3.56	+20 7.9	1.403	2.273	14.8	19.3

21945 Kleshchonok 11 15.5 246°.29 3°.5/13.8 18

10 8	3 53.21	+11 58.8	1.634	2.449	16.6	18.6
10 18	3 48.88	+11 25.3	1.548	2.440	13.1	18.4
10 28	3 41.71	+10 48.1	1.483	2.430	9.0	18.1
11 7	3 32.35	+10 10.9	1.442	2.420	4.9	17.8
11 17	3 21.85	+ 9 38.5	1.429	2.410	3.9	17.7
11 27	3 11.53	+ 9 15.9	1.444	2.399	7.6	17.9
12 7	3 2.69	+ 9 6.9	1.484	2.388	11.9	18.2
12 17	2 56.28	+ 9 13.5	1.548	2.377	15.9	18.4

523804 2000 YF_{29} 11 15.5 297°.33 13°.9/ 9.9 18

10 8	3 53.58	+ 5 46.6	0.711	1.586	26.2	21.7
10 18	3 53.69	+ 3 57.2	0.613	1.537	22.2	21.2
10 28	3 48.46	+ 1 46.0	0.530	1.485	17.6	20.7
11 7	3 37.33	− 0 37.5	0.461	1.432	14.1	20.2
11 17	3 20.61	− 2 54.3	0.410	1.377	15.6	19.9
11 27	3 0.37	− 4 36.3	0.374	1.321	22.7	19.9
12 7	2 40.07	− 5 18.8	0.352	1.265	32.2	19.9
12 17	2 23.15	− 4 50.2	0.339	1.209	42.1	20.0

261178 2005 TF_{128} 11 15.5 359°.30 0°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.48	+21 45.6	1.908	2.708	15.1	21.0
10 18	3 45.60	+21 38.7	1.825	2.707	12.0	20.8
10 28	3 39.27	+21 22.5	1.764	2.707	8.2	20.6
11 7	3 31.12	+20 57.5	1.727	2.707	4.0	20.3
11 17	3 22.09	+20 25.9	1.718	2.707	0.9	20.1
11 27	3 13.32	+19 51.3	1.738	2.707	5.0	20.4
12 7	3 5.86	+19 18.5	1.786	2.707	9.1	20.6
12 17	3 0.52	+18 51.8	1.858	2.708	12.7	20.9

186733 2004 CB_{11} 11 15.5 206°.32 1°.7/16.4 18

10 8	3 54.99	+24 30.8	1.819	2.605	16.3	21.3
10 18	3 50.16	+24 27.8	1.729	2.602	13.0	21.0
10 28	3 42.51	+24 12.8	1.660	2.597	9.1	20.8
11 7	3 32.71	+23 45.2	1.616	2.592	4.8	20.5
11 17	3 21.80	+23 6.4	1.600	2.587	1.7	20.3
11 27	3 11.14	+22 20.3	1.613	2.581	5.4	20.5
12 7	3 1.99	+21 33.1	1.654	2.575	9.7	20.8
12 17	2 55.27	+20 50.7	1.719	2.568	13.6	21.0

354959 2006 GF_{39} 11 15.5 157°.83 5°.3/15.1 17

10 8	4 11.47	+ 3 10.9	1.165	1.970	22.5	20.2
10 18	4 4.39	+ 4 2.6	1.092	1.973	18.2	19.9
10 28	3 52.89	+ 5 10.0	1.037	1.976	13.0	19.6
11 7	3 37.83	+ 6 35.3	1.005	1.978	7.6	19.3
11 17	3 20.86	+ 8 17.0	1.000	1.980	5.4	19.2
11 27	3 4.28	+10 10.9	1.024	1.981	9.6	19.5
12 7	2 50.24	+12 11.0	1.074	1.982	15.0	19.8
12 17	2 40.15	+14 12.9	1.148	1.983	19.8	20.1

294611 2008 AV_{19} 11 15.5 95°.58 4°.5/13.5 18

10 8	3 56.02	+ 9 23.0	1.513	2.329	17.7	20.5
10 18	3 50.79	+ 8 46.1	1.456	2.347	13.8	20.3
10 28	3 42.72	+ 8 9.0	1.420	2.365	9.6	20.1
11 7	3 32.67	+ 7 36.5	1.408	2.383	5.7	19.9
11 17	3 21.84	+ 7 13.4	1.424	2.400	4.9	19.9
11 27	3 11.60	+ 7 3.8	1.467	2.417	8.1	20.1
12 7	3 3.14	+ 7 9.8	1.535	2.433	12.1	20.4
12 17	2 57.25	+ 7 31.5	1.627	2.449	15.6	20.7

155472 1998 SY_{98} 11 15.5 85°.91 3°.0/17.4 18

10 8	3 52.48	+27 51.1	2.293	3.059	13.9	19.9
10 18	3 47.53	+28 12.5	2.217	3.072	11.2	19.8
10 28	3 40.34	+28 23.2	2.162	3.086	8.1	19.6
11 7	3 31.56	+28 22.0	2.133	3.100	4.9	19.4
11 17	3 22.03	+28 8.9	2.133	3.113	3.0	19.3
11 27	3 12.80	+27 46.3	2.163	3.126	4.7	19.5
12 7	3 4.83	+27 18.0	2.221	3.140	7.7	19.7
12 17	2 58.80	+26 48.6	2.306	3.153	10.7	19.9

412216 2013 GJ_{114} 11 15.5 72°.51 0°.9/14.9 18

10 8	3 53.59	+15 10.6	2.257	3.048	13.4	20.6
10 18	3 48.05	+15 19.9	2.195	3.074	10.4	20.4
10 28	3 40.48	+15 26.3	2.156	3.100	6.9	20.2
11 7	3 31.54	+15 30.7	2.145	3.125	3.2	20.1
11 17	3 22.05	+15 34.5	2.163	3.150	1.2	19.9
11 27	3 12.94	+15 39.4	2.212	3.175	4.6	20.2
12 7	3 5.06	+15 47.5	2.290	3.200	8.0	20.5
12 17	2 59.01	+16 0.3	2.394	3.225	10.9	20.7

269827 2000 AU_{158} 11 15.5 315°.94 4°.5/17.5 18

10 8	3 49.81	+28 46.9	1.312	2.121	20.2	20.3
10 18	3 47.56	+29 8.2	1.220	2.101	16.7	20.0
10 28	3 41.63	+29 11.6	1.146	2.082	12.4	19.7
11 7	3 32.62	+28 53.9	1.093	2.063	7.7	19.4
11 17	3 21.80	+28 13.7	1.064	2.045	4.5	19.2
11 27	3 11.03	+27 15.0	1.059	2.028	7.3	19.3
12 7	3 2.17	+26 6.7	1.079	2.011	12.4	19.5
12 17	2 56.57	+24 59.7	1.120	1.996	17.3	19.8

220758 2004 TV_{101} 11 15.5 24°.77 0°.2/15.3 18

10 8	3 48.90	+19 13.0	1.997	2.800	14.5	20.7
10 18	3 44.95	+19 1.4	1.918	2.803	11.3	20.5
10 28	3 38.72	+18 42.4	1.861	2.806	7.6	20.2
11 7	3 30.83	+18 17.6	1.829	2.810	3.6	20.0
11 17	3 22.17	+17 49.3	1.826	2.814	0.8	19.8
11 27	3 13.79	+17 21.0	1.852	2.819	4.9	20.1
12 7	3 6.64	+16 56.7	1.905	2.823	8.8	20.4
12 17	3 1.47	+16 39.8	1.983	2.828	12.2	20.6

380757 2005 ST_{261} 11 15.5 346°.23 4°.3/13.2 18

10 8	3 40.96	+15 38.3	1.035	1.900	20.6	20.4
10 18	3 40.62	+14 23.3	0.964	1.885	16.2	20.1
10 28	3 36.80	+12 53.6	0.911	1.872	11.0	19.7
11 7	3 30.25	+11 16.8	0.879	1.861	5.9	19.4
11 17	3 22.27	+ 9 43.7	0.870	1.852	5.0	19.4
11 27	3 14.61	+ 8 26.4	0.883	1.845	9.9	19.6
12 7	3 8.90	+ 7 34.2	0.918	1.840	15.3	19.9
12 17	3 6.22	+ 7 11.3	0.971	1.836	20.2	20.2

23752 Jacobshapiro 11 15.5 189°.30 0°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.95	+18 56.9	1.864	2.660	15.6	20.0
10 18	3 49.88	+18 35.8	1.778	2.660	12.3	19.8
10 28	3 42.17	+18 6.3	1.714	2.658	8.3	19.6
11 7	3 32.50	+17 29.9	1.676	2.656	3.9	19.3
11 17	3 21.87	+16 49.4	1.666	2.654	1.1	19.1
11 27	3 11.52	+16 9.4	1.686	2.651	5.6	19.4
12 7	3 2.60	+15 34.8	1.733	2.647	9.9	19.6
12 17	2 55.95	+15 9.8	1.806	2.642	13.6	19.9

515487 2014 CR_1 11 15.5 326°.70 1°.3/14.9 18

10 8	3 49.88	+16 55.6	1.341	2.172	18.7	21.4
10 18	3 47.01	+16 45.4	1.259	2.160	14.8	21.1
10 28	3 40.86	+16 27.7	1.196	2.149	10.1	20.8
11 7	3 32.10	+16 4.4	1.155	2.138	4.8	20.5
11 17	3 21.93	+15 39.0	1.140	2.128	1.8	20.2
11 27	3 11.94	+15 16.5	1.151	2.118	7.1	20.6
12 7	3 3.69	+15 2.2	1.185	2.109	12.4	20.8
12 17	2 58.29	+15 0.1	1.242	2.101	17.0	21.1

172340 2002 VN_{74} 11 15.5 352°.61 1°.4/14.9 18

10 8	3 50.78	+15 7.4	1.598	2.418	16.7	20.1
10 18	3 47.05	+15 10.1	1.520	2.414	13.1	19.9
10 28	3 40.49	+15 9.1	1.461	2.411	8.9	19.6
11 7	3 31.79	+15 6.0	1.428	2.409	4.2	19.4
11 17	3 22.00	+15 3.0	1.420	2.407	1.8	19.2
11 27	3 12.46	+15 3.1	1.441	2.406	6.2	19.5
12 7	3 4.42	+15 9.4	1.487	2.406	10.8	19.7
12 17	2 58.82	+15 24.2	1.557	2.406	14.8	20.0

300442 2007 TQ_{43} 11 15.5 50°.06 0°.7/15.1 18

10 8	3 51.60	+17 55.0	1.653	2.465	16.6	20.5
10 18	3 47.43	+17 44.6	1.584	2.474	13.0	20.3
10 28	3 40.56	+17 27.2	1.535	2.483	8.7	20.1
11 7	3 31.73	+17 4.5	1.512	2.493	4.0	19.8
11 17	3 22.03	+16 39.2	1.515	2.503	1.2	19.7
11 27	3 12.73	+16 15.5	1.547	2.513	5.8	20.0
12 7	3 4.99	+15 57.5	1.605	2.523	10.1	20.3
12 17	2 59.63	+15 48.7	1.687	2.534	13.9	20.5

514829 2008 AQ_{54} 11 15.5 177°.93 1°.6/14.5 18

10 8	3 50.76	+15 20.3	2.189	2.988	13.5	22.2
10 18	3 46.15	+14 59.4	2.105	2.988	10.5	22.0
10 28	3 39.41	+14 33.9	2.044	2.989	7.1	21.8
11 7	3 31.14	+14 6.0	2.009	2.990	3.4	21.5
11 17	3 22.14	+13 38.4	2.004	2.990	1.9	21.4
11 27	3 13.36	+13 14.4	2.029	2.989	5.2	21.6
12 7	3 5.72	+12 57.4	2.082	2.989	8.8	21.9
12 17	2 59.90	+12 49.6	2.160	2.988	12.0	22.1

447827 2007 TW_{334} 11 15.5 324°.44 1°.7/14.2 18

10 8	3 49.15	+20 57.9	1.759	2.566	15.9	20.6
10 18	3 45.42	+19 26.0	1.674	2.563	12.5	20.4
10 28	3 39.15	+17 38.1	1.611	2.560	8.4	20.2
11 7	3 31.07	+15 38.9	1.575	2.557	3.9	19.9
11 17	3 22.16	+13 36.0	1.568	2.554	2.2	19.8
11 27	3 13.63	+11 39.1	1.590	2.551	6.4	20.0
12 7	3 6.55	+ 9 56.7	1.641	2.548	10.8	20.3
12 17	3 1.66	+ 8 35.0	1.715	2.546	14.5	20.5

305619 2009 AP_{23} 11 15.5 113°.71 6°.1/12.3 18

10 8	3 52.98	+ 2 0.1	2.037	2.837	14.3	20.5
10 18	3 47.73	+ 1 17.5	1.977	2.852	11.5	20.4
10 28	3 40.35	+ 0 40.2	1.938	2.867	8.6	20.2
11 7	3 31.52	+ 0 13.0	1.926	2.881	6.5	20.1
11 17	3 22.10	− 0 0.1	1.942	2.895	6.4	20.1
11 27	3 13.07	+ 0 3.5	1.986	2.908	8.4	20.3
12 7	3 5.32	+ 0 24.4	2.057	2.921	11.1	20.5
12 17	2 59.48	+ 1 1.3	2.151	2.934	13.6	20.7

320243 2007 JQ_{43} 11 15.5 165°.18 6°.5/ 9.9 18

10 8	3 46.81	− 1 56.3	2.701	3.493	11.4	20.8
10 18	3 42.55	− 3 8.6	2.633	3.496	9.4	20.6
10 28	3 36.72	− 4 15.7	2.589	3.499	7.6	20.5
11 7	3 29.80	− 5 12.8	2.572	3.502	6.5	20.5
11 17	3 22.40	− 5 55.4	2.583	3.504	6.8	20.5
11 27	3 15.21	− 6 20.6	2.622	3.507	8.3	20.6
12 7	3 8.88	− 6 27.1	2.687	3.508	10.2	20.7
12 17	3 3.91	− 6 15.6	2.775	3.510	12.0	20.9

263300 2008 CX_{17} 11 15.5 263°.81 1°.0/16.1 18

10 8	3 50.63	+22 43.5	2.101	2.890	14.3	21.5
10 18	3 46.41	+22 37.5	2.004	2.879	11.4	21.3
10 28	3 39.82	+22 21.9	1.928	2.867	7.9	21.1
11 7	3 31.43	+21 57.1	1.878	2.856	4.0	20.8
11 17	3 22.09	+21 24.4	1.856	2.844	1.1	20.6
11 27	3 12.88	+20 47.3	1.864	2.832	4.8	20.8
12 7	3 4.85	+20 10.4	1.900	2.820	8.7	21.0
12 17	2 58.81	+19 38.3	1.961	2.808	12.3	21.2

210254 2007 RG_{275} 11 15.5 312°.43 3°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.78	+13 14.1	1.660	2.484	16.0	20.3
10 18	3 44.54	+12 6.3	1.577	2.475	12.5	20.1
10 28	3 38.71	+10 51.1	1.515	2.465	8.6	19.9
11 7	3 30.94	+ 9 33.8	1.478	2.456	4.9	19.6
11 17	3 22.20	+ 8 21.0	1.469	2.447	4.3	19.6
11 27	3 13.70	+ 7 20.1	1.487	2.438	7.8	19.8
12 7	3 6.58	+ 6 36.5	1.530	2.430	11.9	20.0
12 17	3 1.67	+ 6 13.1	1.596	2.422	15.6	20.2

409659 2005 YE_{117} 11 15.5 264°.17 1°.9/16.8 17

10 8	3 49.81	+25 38.8	2.289	3.067	13.6	21.9
10 18	3 45.57	+25 39.8	2.195	3.061	10.9	21.7
10 28	3 39.14	+25 30.4	2.122	3.055	7.7	21.5
11 7	3 31.07	+25 10.5	2.075	3.049	4.3	21.3
11 17	3 22.18	+24 40.8	2.057	3.042	1.9	21.1
11 27	3 13.45	+24 4.3	2.069	3.036	4.4	21.3
12 7	3 5.83	+23 25.3	2.109	3.030	7.9	21.5
12 17	3 0.08	+22 48.3	2.175	3.024	11.2	21.7

190967 2001 XW_{33} 11 15.5 333°.84 1°.7/14.7 18

10 8	3 48.46	+16 27.7	1.316	2.151	18.7	19.8
10 18	3 45.93	+16 10.2	1.235	2.139	14.8	19.5
10 28	3 40.13	+15 44.8	1.174	2.128	10.1	19.2
11 7	3 31.78	+15 14.3	1.135	2.117	4.8	18.9
11 17	3 22.04	+14 42.6	1.121	2.108	2.2	18.7
11 27	3 12.50	+14 15.6	1.132	2.099	7.3	19.0
12 7	3 4.70	+13 58.6	1.167	2.091	12.6	19.3
12 17	2 59.72	+13 55.6	1.224	2.084	17.2	19.5

395829 2012 XD_{77} 11 15.5 129°.15 3°.0/14.4 18

10 8	3 55.84	+10 2.9	1.784	2.589	15.8	20.9
10 18	3 50.57	+10 8.0	1.707	2.592	12.5	20.7
10 28	3 42.65	+10 14.3	1.651	2.595	8.6	20.4
11 7	3 32.75	+10 23.8	1.621	2.598	4.6	20.2
11 17	3 21.88	+10 38.5	1.619	2.601	3.2	20.1
11 27	3 11.30	+11 0.3	1.646	2.603	6.6	20.4
12 7	3 2.17	+11 30.5	1.700	2.606	10.6	20.6
12 17	2 55.33	+12 9.4	1.779	2.608	14.2	20.8

444558 2006 SX_{341} 11 15.5 30°.28 1°.4/16.3 15

10 8	3 49.54	+24 4.1	1.555	2.364	17.6	21.2
10 18	3 46.09	+23 52.3	1.488	2.374	13.9	21.0
10 28	3 39.78	+23 27.0	1.441	2.384	9.6	20.8
11 7	3 31.41	+22 49.0	1.417	2.396	4.9	20.6
11 17	3 22.14	+22 1.4	1.420	2.408	1.5	20.4
11 27	3 13.34	+21 9.4	1.450	2.420	5.5	20.7
12 7	3 6.23	+20 19.8	1.506	2.433	10.0	21.0
12 17	3 1.61	+19 38.2	1.586	2.447	13.9	21.2

305742 2009 CD_{59} 11 15.5 224°.95 5°.1/11.6 18

10 8	3 49.22	+ 6 18.0	2.300	3.104	12.8	21.4
10 18	3 44.83	+ 5 7.4	2.213	3.094	10.2	21.2
10 28	3 38.49	+ 3 56.0	2.149	3.085	7.4	21.0
11 7	3 30.73	+ 2 48.7	2.113	3.074	5.4	20.9
11 17	3 22.26	+ 1 50.8	2.105	3.064	5.5	20.9
11 27	3 13.96	+ 1 7.1	2.127	3.053	7.7	21.0
12 7	3 6.66	+ 0 40.5	2.176	3.041	10.5	21.2
12 17	3 1.00	+ 0 32.2	2.248	3.029	13.2	21.3

227215 2005 QK_{178} 11 15.5 24°.32 1°.5/15.9 18

10 8	3 53.94	+20 19.8	1.219	2.045	20.5	20.0
10 18	3 50.38	+20 56.5	1.156	2.052	16.2	19.8
10 28	3 43.17	+21 25.0	1.111	2.060	11.2	19.5
11 7	3 33.17	+21 44.0	1.089	2.069	5.6	19.2
11 17	3 21.82	+21 53.1	1.091	2.078	1.6	19.0
11 27	3 10.96	+21 55.1	1.118	2.089	6.6	19.3
12 7	3 2.26	+21 54.8	1.170	2.100	11.9	19.7
12 17	2 56.77	+21 57.2	1.244	2.112	16.4	20.0

40151 1998 QO_{75} 11 15.5 75°.84 2°.0/17.1 18

10 8	3 49.53	+28 13.2	2.213	2.986	14.2	18.6
10 18	3 45.24	+27 44.0	2.133	2.995	11.3	18.4
10 28	3 38.80	+27 0.8	2.074	3.004	8.0	18.2
11 7	3 30.84	+26 4.3	2.042	3.014	4.5	18.0
11 17	3 22.26	+24 57.0	2.038	3.023	2.0	17.9
11 27	3 14.04	+23 43.6	2.065	3.033	4.4	18.1
12 7	3 7.09	+22 30.1	2.120	3.042	7.8	18.3
12 17	3 2.05	+21 22.2	2.202	3.052	11.0	18.5

289347 2005 BR_9 11 15.5 335°.30 7°.4/19.9 18

10 8	3 52.50	+37 32.4	1.639	2.395	19.0	20.5
10 18	3 49.07	+38 3.2	1.553	2.389	16.2	20.3
10 28	3 42.23	+38 12.5	1.485	2.384	12.9	20.1
11 7	3 32.75	+37 55.4	1.439	2.380	9.6	19.9
11 17	3 21.89	+37 9.8	1.416	2.376	7.5	19.8
11 27	3 11.36	+35 58.8	1.420	2.372	8.1	19.8
12 7	3 2.73	+34 30.9	1.449	2.368	11.0	20.0
12 17	2 57.08	+32 56.7	1.502	2.365	14.4	20.2

289609 2005 GS_{23} 11 15.5 183°.38 1°.0/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.35	+20 59.3	2.234	3.013	13.9	21.0
10 18	3 49.87	+21 21.5	2.144	3.014	11.0	20.8
10 28	3 42.04	+21 37.6	2.077	3.014	7.6	20.6
11 7	3 32.46	+21 47.1	2.036	3.013	3.8	20.4
11 17	3 21.96	+21 50.0	2.025	3.012	1.1	20.2
11 27	3 11.63	+21 48.1	2.044	3.011	4.6	20.4
12 7	3 2.48	+21 44.1	2.093	3.010	8.3	20.7
12 17	2 55.31	+21 41.4	2.168	3.007	11.6	20.9

517930 2015 TQ_{197} 11 15.5 307°.53 0°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.33	+21 18.7	1.916	2.716	15.1	21.0
10 18	3 45.51	+20 55.8	1.828	2.712	11.9	20.8
10 28	3 39.24	+20 22.8	1.763	2.707	8.1	20.6
11 7	3 31.17	+19 40.9	1.722	2.703	3.9	20.3
11 17	3 22.20	+18 53.0	1.710	2.698	0.7	20.0
11 27	3 13.47	+18 3.7	1.726	2.694	5.1	20.4
12 7	3 6.04	+17 18.4	1.770	2.690	9.3	20.6
12 17	3 0.70	+16 41.7	1.839	2.686	12.9	20.8

476430 2008 DY_{78} 11 15.5 180°.60 11°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 8.16	+49 35.6	2.057	2.704	18.6	21.9
10 18	4 1.78	+51 0.0	1.971	2.706	16.8	21.7
10 28	3 51.18	+52 2.9	1.902	2.707	14.8	21.6
11 7	3 37.11	+52 35.6	1.853	2.707	12.9	21.5
11 17	3 21.10	+52 31.4	1.827	2.707	11.7	21.4
11 27	3 5.36	+51 49.1	1.826	2.705	11.6	21.4
12 7	2 51.97	+50 34.9	1.849	2.703	12.6	21.4
12 17	2 42.32	+48 59.8	1.896	2.700	14.4	21.6

419423 2010 BA_{3} 11 15.5 34°.81 8°.1/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.67	+43 53.6	2.274	2.968	15.9	20.6
10 18	3 49.19	+44 39.5	2.193	2.974	13.9	20.5
10 28	3 41.88	+45 6.2	2.130	2.980	11.7	20.3
11 7	3 32.44	+45 9.5	2.089	2.986	9.6	20.2
11 17	3 21.97	+44 46.9	2.072	2.993	8.3	20.1
11 27	3 11.83	+43 59.8	2.082	3.000	8.3	20.2
12 7	3 3.26	+42 53.5	2.118	3.007	9.7	20.3
12 17	2 57.16	+41 35.8	2.180	3.015	11.7	20.4

389918 2012 TG_{93} 11 15.5 5°.12 1°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.22	+16 30.6	1.313	2.146	18.9	20.5
10 18	3 47.15	+16 25.2	1.244	2.145	14.9	20.3
10 28	3 40.84	+16 13.2	1.193	2.146	10.1	20.0
11 7	3 32.05	+15 56.9	1.165	2.147	4.7	19.7
11 17	3 22.05	+15 39.3	1.162	2.149	1.7	19.5
11 27	3 12.42	+15 25.0	1.185	2.152	6.9	19.8
12 7	3 4.63	+15 18.5	1.232	2.156	12.0	20.1
12 17	2 59.67	+15 23.1	1.301	2.161	16.4	20.4

444581 2006 TC_{104} 11 15.5 2°.44 1°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.30	+21 9.3	1.561	2.370	17.5	20.3
10 18	3 48.50	+21 48.3	1.483	2.369	14.0	20.0
10 28	3 41.65	+22 20.4	1.425	2.369	9.7	19.8
11 7	3 32.43	+22 44.2	1.391	2.369	5.0	19.5
11 17	3 21.97	+22 59.0	1.383	2.370	1.8	19.3
11 27	3 11.75	+23 6.4	1.403	2.373	5.8	19.6
12 7	3 3.15	+23 10.0	1.449	2.375	10.4	19.8
12 17	2 57.20	+23 14.0	1.519	2.379	14.4	20.1

441323 2008 BK_{50} 11 15.5 304°.57 4°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.65	+34 21.2	1.860	2.620	16.9	20.8
10 18	3 47.75	+34 19.0	1.769	2.615	14.1	20.6
10 28	3 40.97	+33 57.1	1.698	2.610	10.8	20.4
11 7	3 32.04	+33 13.3	1.650	2.605	7.3	20.2
11 17	3 22.06	+32 7.9	1.628	2.600	5.0	20.1
11 27	3 12.41	+30 45.4	1.634	2.596	6.2	20.1
12 7	3 4.35	+29 13.7	1.668	2.591	9.5	20.3
12 17	2 58.79	+27 42.0	1.727	2.587	13.0	20.5

113960 2002 UO_{7} 11 15.5 101°.29 4°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.84	+ 8 41.4	1.542	2.357	17.4	20.0
10 18	3 50.85	+ 8 25.5	1.474	2.365	13.7	19.8
10 28	3 42.94	+ 8 11.0	1.427	2.372	9.6	19.6
11 7	3 32.92	+ 8 1.7	1.404	2.379	5.6	19.4
11 17	3 21.91	+ 8 1.1	1.409	2.387	4.6	19.3
11 27	3 11.34	+ 8 12.2	1.441	2.394	7.9	19.5
12 7	3 2.45	+ 8 36.5	1.499	2.401	12.0	19.8
12 17	2 56.13	+ 9 14.0	1.580	2.408	15.7	20.1

295194 2008 FO_{102} 11 15.5 310°.63 2°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.06	+11 35.5	2.040	2.848	14.0	21.1
10 18	3 45.78	+11 16.7	1.957	2.846	11.0	20.9
10 28	3 39.28	+10 56.2	1.897	2.843	7.5	20.7
11 7	3 31.15	+10 36.8	1.863	2.841	4.0	20.5
11 17	3 22.22	+10 21.4	1.858	2.839	3.1	20.4
11 27	3 13.51	+10 13.3	1.881	2.837	6.1	20.6
12 7	3 5.96	+10 14.7	1.932	2.835	9.7	20.8
12 17	3 0.30	+10 27.1	2.007	2.833	12.9	21.0

325985 2010 VK_{177} 11 15.5 199°.75 0°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.68	+22 24.8	1.682	2.479	17.0	21.4
10 18	3 50.06	+22 0.3	1.596	2.476	13.5	21.2
10 28	3 42.51	+21 23.0	1.531	2.474	9.2	20.9
11 7	3 32.77	+20 34.0	1.491	2.470	4.5	20.6
11 17	3 21.93	+19 36.3	1.478	2.466	0.8	20.3
11 27	3 11.42	+18 35.8	1.494	2.462	5.7	20.7
12 7	3 2.51	+17 39.2	1.538	2.457	10.4	21.0
12 17	2 56.13	+16 52.7	1.605	2.452	14.5	21.2

489119 2006 CT_{25} 11 15.5 133°.50 2°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.80	+11 28.7	2.537	3.335	11.9	21.7
10 18	3 44.25	+11 0.8	2.460	3.343	9.2	21.5
10 28	3 37.95	+10 31.2	2.407	3.350	6.3	21.3
11 7	3 30.43	+10 2.5	2.381	3.357	3.5	21.1
11 17	3 22.37	+ 9 37.5	2.385	3.364	2.8	21.1
11 27	3 14.54	+ 9 19.1	2.419	3.371	5.2	21.3
12 7	3 7.67	+ 9 9.3	2.482	3.377	8.1	21.5
12 17	3 2.31	+ 9 9.6	2.570	3.383	10.8	21.7

262133 2006 ST_{54} 11 15.5 41°.28 3°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.34	+12 44.8	1.208	2.044	20.0	20.2
10 18	3 49.57	+12 25.1	1.151	2.054	15.7	19.9
10 28	3 42.38	+12 2.3	1.113	2.066	10.6	19.7
11 7	3 32.72	+11 40.3	1.097	2.077	5.5	19.4
11 17	3 21.96	+11 23.8	1.106	2.090	3.7	19.4
11 27	3 11.83	+11 17.2	1.140	2.102	8.1	19.7
12 7	3 3.76	+11 24.0	1.198	2.116	13.0	20.0
12 17	2 58.70	+11 45.3	1.278	2.129	17.2	20.3

267814 2003 TK_{35} 11 15.5 296°.65 2°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.84	+25 48.2	2.267	3.047	13.7	20.7
10 18	3 44.89	+25 47.2	2.170	3.037	11.0	20.5
10 28	3 38.74	+25 35.6	2.095	3.028	7.8	20.3
11 7	3 30.94	+25 13.1	2.045	3.018	4.3	20.0
11 17	3 22.28	+24 40.6	2.024	3.009	2.0	19.9
11 27	3 13.78	+24 1.3	2.032	3.000	4.5	20.0
12 7	3 6.37	+23 19.4	2.069	2.991	8.0	20.2
12 17	3 0.81	+22 39.8	2.132	2.982	11.3	20.4

375674 2009 HD_{5} 11 15.5 103°.71 0°.8/15.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 59.60	+20 34.8	1.523	2.322	18.4	21.4
10 18	3 53.91	+20 48.0	1.460	2.340	14.5	21.2
10 28	3 45.06	+20 52.4	1.416	2.358	9.9	21.0
11 7	3 33.91	+20 47.6	1.397	2.376	4.8	20.7
11 17	3 21.78	+20 34.7	1.405	2.393	1.0	20.5
11 27	3 10.23	+20 17.5	1.442	2.410	5.9	20.9
12 7	3 0.63	+20 0.9	1.505	2.426	10.5	21.2
12 17	2 53.87	+19 49.5	1.593	2.441	14.5	21.5

84279 2002 TS_{20} 11 15.5 206°.65 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.66	+15 32.5	1.668	2.480	16.4	20.2
10 18	3 48.35	+14 48.9	1.586	2.477	12.9	19.9
10 28	3 41.29	+13 57.8	1.526	2.475	8.7	19.7
11 7	3 32.18	+13 2.7	1.491	2.472	4.3	19.4
11 17	3 22.07	+12 8.5	1.484	2.468	2.8	19.3
11 27	3 12.26	+11 21.1	1.505	2.464	6.8	19.6
12 7	3 3.96	+10 45.9	1.552	2.460	11.2	19.8
12 17	2 58.04	+10 26.2	1.623	2.456	15.1	20.0

387011 2012 RS_{17} 11 15.5 311°.93 3°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.05	+14 33.6	1.522	2.346	17.2	21.2
10 18	3 46.60	+13 48.3	1.442	2.340	13.5	20.9
10 28	3 40.27	+12 55.8	1.383	2.334	9.2	20.7
11 7	3 31.77	+12 0.2	1.348	2.328	4.7	20.4
11 17	3 22.17	+11 7.1	1.339	2.322	3.4	20.3
11 27	3 12.85	+10 23.0	1.357	2.316	7.5	20.5
12 7	3 5.09	+ 9 53.2	1.401	2.311	12.0	20.8
12 17	2 59.81	+ 9 40.7	1.467	2.306	16.1	21.0

39422 3109 $T\text{-}_{2}$ 11 15.5 80°.42 4°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.36	+ 7 14.9	2.124	2.934	13.5	19.8
10 18	3 44.16	+ 6 15.3	2.060	2.946	10.6	19.6
10 28	3 38.00	+ 5 16.0	2.019	2.959	7.6	19.4
11 7	3 30.49	+ 4 22.0	2.005	2.971	5.2	19.3
11 17	3 22.42	+ 3 37.8	2.019	2.983	5.1	19.3
11 27	3 14.69	+ 3 7.4	2.061	2.996	7.3	19.5
12 7	3 8.11	+ 2 53.1	2.130	3.008	10.2	19.7
12 17	3 3.25	+ 2 55.2	2.223	3.020	12.8	19.9

281903 2011 CP_{20} 11 15.5 279°.45 8°.0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.69	− 4 13.9	2.326	3.122	12.9	20.7
10 18	3 42.85	− 5 29.6	2.251	3.113	10.8	20.5
10 28	3 37.16	− 6 38.4	2.200	3.104	9.0	20.4
11 7	3 30.14	− 7 34.2	2.174	3.096	8.0	20.3
11 17	3 22.48	− 8 11.8	2.174	3.087	8.4	20.3
11 27	3 14.99	− 8 27.5	2.201	3.078	10.0	20.4
12 7	3 8.45	− 8 20.3	2.252	3.069	12.0	20.5
12 17	3 3.47	− 7 51.5	2.325	3.060	14.1	20.7

20759 2000 CX_{96} 11 15.5 85°.86 6°.2/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.32	+ 4 53.1	1.899	2.711	14.7	17.9
10 18	3 45.80	+ 3 33.6	1.845	2.730	11.7	17.7
10 28	3 39.13	+ 2 16.5	1.813	2.748	8.7	17.6
11 7	3 31.02	+ 1 8.1	1.808	2.766	6.5	17.5
11 17	3 22.34	+ 0 14.2	1.830	2.785	6.6	17.5
11 27	3 14.12	− 0 20.6	1.880	2.803	8.8	17.7
12 7	3 7.22	− 0 34.6	1.956	2.820	11.6	17.9
12 17	3 2.25	− 0 28.3	2.055	2.838	14.2	18.1

180237 2003 UT_{224} 11 15.5 312°.83 3°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.47	+25 3.1	1.283	2.100	20.1	20.7
10 18	3 48.86	+25 25.9	1.194	2.084	16.4	20.4
10 28	3 42.54	+25 35.0	1.124	2.067	11.8	20.0
11 7	3 33.13	+25 28.0	1.075	2.051	6.6	19.7
11 17	3 21.91	+25 4.4	1.050	2.036	3.1	19.5
11 27	3 10.73	+24 27.8	1.050	2.021	7.0	19.7
12 7	3 1.46	+23 45.7	1.075	2.007	12.5	19.9
12 17	2 55.46	+23 6.6	1.120	1.993	17.5	20.2

446588 2014 QR_{301} 11 15.5 75°.13 9°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.87	− 8 7.5	2.234	3.024	13.5	20.8
10 18	3 42.94	− 9 46.4	2.183	3.031	11.7	20.7
10 28	3 37.16	−11 14.8	2.154	3.038	10.1	20.6
11 7	3 30.10	−12 25.6	2.150	3.046	9.5	20.6
11 17	3 22.50	−13 13.2	2.171	3.053	9.9	20.7
11 27	3 15.20	−13 34.4	2.218	3.061	11.3	20.8
12 7	3 8.96	−13 29.2	2.287	3.068	13.0	20.9
12 17	3 4.33	−12 59.8	2.376	3.076	14.7	21.0

349873 2009 DC_{71} 11 15.5 251°.85 1°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.13	+24 28.2	1.929	2.716	15.4	21.5
10 18	3 47.84	+24 30.2	1.837	2.710	12.4	21.3
10 28	3 40.94	+24 21.4	1.767	2.704	8.7	21.1
11 7	3 32.05	+24 1.1	1.722	2.697	4.6	20.8
11 17	3 22.14	+23 30.4	1.704	2.691	1.8	20.6
11 27	3 12.41	+22 52.7	1.716	2.684	5.1	20.8
12 7	3 4.04	+22 13.3	1.755	2.677	9.2	21.1
12 17	2 57.88	+21 37.4	1.819	2.670	12.9	21.3

176957 2002 XL_{38} 11 15.5 26°.87 1°.8/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.89	+24 10.4	1.446	2.259	18.5	19.5
10 18	3 46.62	+24 11.5	1.383	2.270	14.7	19.3
10 28	3 40.29	+23 59.2	1.338	2.282	10.2	19.1
11 7	3 31.74	+23 33.6	1.317	2.295	5.3	18.8
11 17	3 22.21	+22 57.0	1.321	2.308	1.9	18.6
11 27	3 13.19	+22 14.5	1.352	2.322	5.8	18.9
12 7	3 5.97	+21 32.6	1.408	2.338	10.4	19.2
12 17	3 1.42	+20 57.4	1.488	2.353	14.4	19.5

13010 Germantitov 11 15.5 335°.96 7°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.06	+38 59.1	2.120	2.848	16.0	17.1
10 18	3 48.08	+39 43.8	2.028	2.842	13.8	16.9
10 28	3 41.27	+40 11.5	1.956	2.836	11.2	16.7
11 7	3 32.27	+40 18.0	1.906	2.831	8.8	16.6
11 17	3 22.10	+40 0.8	1.881	2.826	7.2	16.5
11 27	3 12.11	+39 21.2	1.884	2.822	7.6	16.5
12 7	3 3.57	+38 24.3	1.913	2.818	9.6	16.6
12 17	2 57.46	+37 17.6	1.966	2.814	12.2	16.7

117390 Stephanegendron 11 15.5 186°.10 0°.4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.22	+18 31.0	2.800	3.586	11.2	20.9
10 18	3 43.77	+18 12.9	2.710	3.586	8.7	20.7
10 28	3 37.65	+17 49.4	2.643	3.585	5.9	20.5
11 7	3 30.34	+17 21.7	2.604	3.585	2.7	20.3
11 17	3 22.47	+16 51.8	2.595	3.583	0.8	20.2
11 27	3 14.76	+16 22.4	2.618	3.582	3.9	20.4
12 7	3 7.91	+15 56.4	2.669	3.580	7.0	20.6
12 17	3 2.47	+15 36.3	2.748	3.578	9.7	20.8

103605 2000 CM_{18} 11 15.5 137°.60 1°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.72	+25 19.1	1.734	2.522	16.9	20.0
10 18	3 49.95	+25 4.1	1.656	2.529	13.5	19.8
10 28	3 42.34	+24 35.2	1.599	2.536	9.4	19.6
11 7	3 32.67	+23 52.5	1.567	2.543	4.9	19.3
11 17	3 22.06	+22 58.4	1.563	2.550	1.7	19.1
11 27	3 11.88	+21 58.2	1.587	2.556	5.3	19.4
12 7	3 3.35	+20 58.7	1.639	2.561	9.7	19.6
12 17	2 57.31	+20 6.3	1.716	2.566	13.5	19.9

144920 2005 BN_{29} 11 15.5 5°.55 20°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 1.67	+47 39.5	0.974	1.729	29.2	19.2
10 18	4 0.67	+50 52.6	0.920	1.728	26.8	19.0
10 28	3 53.11	+53 38.3	0.878	1.728	24.2	18.8
11 7	3 39.11	+55 37.6	0.851	1.729	21.9	18.7
11 17	3 20.79	+56 32.7	0.839	1.731	20.4	18.6
11 27	3 2.49	+56 16.8	0.844	1.735	20.2	18.6
12 7	2 48.62	+55 0.8	0.865	1.739	21.4	18.7
12 17	2 41.69	+53 5.8	0.902	1.745	23.4	18.9

301967 2000 FS_1 11 15.5 19°.95 1°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.49	+16 44.7	1.583	2.406	16.7	20.4
10 18	3 45.15	+16 5.1	1.513	2.410	13.0	20.2
10 28	3 39.14	+15 17.3	1.463	2.414	8.8	19.9
11 7	3 31.18	+14 25.1	1.438	2.419	4.2	19.7
11 17	3 22.33	+13 33.2	1.439	2.425	2.3	19.6
11 27	3 13.87	+12 47.5	1.468	2.431	6.5	19.9
12 7	3 6.94	+12 13.2	1.523	2.438	10.8	20.1
12 17	3 2.34	+11 53.5	1.600	2.445	14.7	20.4

78597 2002 SQ_{23} 11 15.5 257°.20 2°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.02	+23 33.7	1.574	2.371	17.9	19.2
10 18	3 51.58	+24 3.0	1.488	2.366	14.4	18.9
10 28	3 43.88	+24 22.6	1.421	2.360	10.2	18.7
11 7	3 33.59	+24 30.6	1.379	2.354	5.5	18.4
11 17	3 21.88	+24 26.2	1.363	2.349	2.4	18.2
11 27	3 10.34	+24 11.8	1.375	2.343	6.1	18.4
12 7	3 0.50	+23 52.6	1.413	2.337	10.8	18.7
12 17	2 53.47	+23 34.4	1.475	2.331	15.0	18.9

175538 2006 SO_{193} 11 15.5 344°.98 1°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.35	+14 42.3	1.812	2.622	15.4	20.1
10 18	3 47.15	+14 33.9	1.731	2.621	12.1	19.9
10 28	3 40.41	+14 21.8	1.672	2.620	8.2	19.7
11 7	3 31.78	+14 7.9	1.638	2.618	4.0	19.4
11 17	3 22.22	+13 54.7	1.631	2.617	2.0	19.3
11 27	3 12.89	+13 45.6	1.653	2.616	5.9	19.5
12 7	3 4.91	+13 43.6	1.702	2.616	10.0	19.8
12 17	2 59.10	+13 50.9	1.776	2.615	13.7	20.0

394228 2006 ST_{341} 11 15.5 38°.80 2°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 0.34	+21 12.9	1.479	2.278	18.8	20.0
10 18	3 54.75	+22 32.7	1.421	2.299	15.0	19.8
10 28	3 45.81	+23 46.4	1.383	2.321	10.5	19.6
11 7	3 34.37	+24 49.9	1.369	2.344	5.7	19.4
11 17	3 21.77	+25 39.9	1.383	2.367	2.9	19.3
11 27	3 9.70	+26 16.3	1.425	2.391	6.2	19.5
12 7	2 59.65	+26 42.2	1.494	2.416	10.5	19.9
12 17	2 52.59	+27 2.3	1.587	2.441	14.3	20.1

331590 2001 TY_{132} 11 15.5 88°.04 2°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.96	+26 41.3	1.647	2.431	17.8	20.8
10 18	3 51.64	+26 36.8	1.585	2.454	14.2	20.7
10 28	3 43.39	+26 17.5	1.544	2.477	10.0	20.5
11 7	3 33.10	+25 43.2	1.527	2.500	5.5	20.3
11 17	3 22.01	+24 55.8	1.537	2.522	2.4	20.1
11 27	3 11.58	+24 0.7	1.576	2.544	5.5	20.4
12 7	3 3.01	+23 4.7	1.642	2.565	9.6	20.7
12 17	2 57.09	+22 14.5	1.733	2.586	13.3	20.9

165453 2000 YC_{118} 11 15.5 250°.25 4°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.36	+32 5.5	1.948	2.707	16.3	20.4
10 18	3 49.88	+32 32.3	1.852	2.698	13.5	20.2
10 28	3 42.51	+32 44.3	1.776	2.689	10.3	20.0
11 7	3 32.88	+32 38.4	1.724	2.680	7.0	19.7
11 17	3 22.03	+32 13.2	1.699	2.670	4.9	19.6
11 27	3 11.33	+31 31.0	1.702	2.661	6.2	19.7
12 7	3 2.10	+30 37.5	1.732	2.651	9.5	19.8
12 17	2 55.32	+29 40.0	1.788	2.641	13.0	20.0

186664 2003 YA_{30} 11 15.5 346°.30 2°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.92	+26 21.4	1.176	2.002	21.1	19.6
10 18	3 46.90	+26 23.5	1.101	1.995	17.1	19.3
10 28	3 41.13	+26 6.9	1.043	1.989	12.2	19.0
11 7	3 32.40	+25 30.2	1.007	1.983	6.8	18.7
11 17	3 22.12	+24 35.3	0.993	1.979	2.9	18.5
11 27	3 12.19	+23 28.9	1.004	1.976	6.9	18.7
12 7	3 4.39	+22 21.1	1.039	1.974	12.4	19.0
12 17	2 59.89	+21 21.6	1.094	1.972	17.4	19.3

435456 2008 EN_{142} 11 15.5 199°.96 0°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.24	+19 16.5	1.895	2.688	15.5	22.6
10 18	3 50.17	+19 2.2	1.805	2.685	12.2	22.4
10 28	3 42.46	+18 39.7	1.738	2.681	8.3	22.1
11 7	3 32.77	+18 10.2	1.696	2.677	3.9	21.8
11 17	3 22.07	+17 35.9	1.683	2.671	0.8	21.6
11 27	3 11.59	+17 1.1	1.700	2.666	5.4	21.9
12 7	3 2.50	+16 30.3	1.744	2.659	9.7	22.2
12 17	2 55.67	+16 7.8	1.814	2.652	13.5	22.4

55863 1997 OM_2 11 15.5 34°.75 2°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.72	+15 41.2	1.204	2.042	19.9	18.6
10 18	3 47.50	+15 7.2	1.150	2.056	15.5	18.3
10 28	3 40.96	+14 26.0	1.116	2.070	10.4	18.1
11 7	3 32.07	+13 41.7	1.104	2.086	5.1	17.8
11 17	3 22.21	+13 0.1	1.117	2.102	2.9	17.8
11 27	3 13.02	+12 27.4	1.155	2.119	7.6	18.1
12 7	3 5.85	+12 8.7	1.217	2.137	12.5	18.4
12 17	3 1.58	+12 6.3	1.300	2.155	16.7	18.7

369847 2012 JR_{45} 11 15.5 178°.62 0°.5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.80	+18 56.8	2.854	3.639	11.0	21.9
10 18	3 43.41	+18 31.7	2.764	3.640	8.6	21.7
10 28	3 37.39	+18 0.6	2.699	3.641	5.8	21.5
11 7	3 30.23	+17 25.1	2.661	3.641	2.7	21.3
11 17	3 22.53	+16 47.4	2.653	3.641	0.8	21.2
11 27	3 15.01	+16 10.2	2.677	3.641	3.8	21.4
12 7	3 8.34	+15 36.8	2.730	3.641	6.8	21.6
12 17	3 3.06	+15 9.7	2.810	3.640	9.5	21.8

214588 2006 QX_{81} 11 15.5 36°.19 3°.0/13.9 18

10 8	3 49.16	+13 54.7	1.596	2.420	16.5	19.9
10 18	3 45.54	+13 11.9	1.532	2.430	12.9	19.7
10 28	3 39.31	+12 24.0	1.489	2.440	8.7	19.5
11 7	3 31.24	+11 35.2	1.471	2.451	4.5	19.3
11 17	3 22.36	+10 50.7	1.479	2.462	3.3	19.2
11 27	3 13.92	+10 15.7	1.515	2.474	6.9	19.5
12 7	3 7.01	+ 9 54.1	1.577	2.486	11.0	19.8
12 17	3 2.38	+ 9 48.1	1.661	2.498	14.6	20.0

371320 2006 HF_{65} 11 15.5 185°.25 1°.3/14.9 16

10 8	3 55.02	+18 22.5	1.599	2.406	17.3	22.2
10 18	3 50.37	+17 47.7	1.518	2.406	13.6	22.0
10 28	3 42.76	+17 3.0	1.459	2.406	9.2	21.7
11 7	3 32.94	+16 10.8	1.424	2.406	4.3	21.5
11 17	3 22.05	+15 15.6	1.417	2.404	1.7	21.3
11 27	3 11.52	+14 23.4	1.438	2.403	6.4	21.6
12 7	3 2.64	+13 40.3	1.486	2.400	11.1	21.9
12 17	2 56.33	+13 11.0	1.557	2.398	15.2	22.1

108594 2001 MZ_{14} 11 15.5 100°.14 7°.0/11.6 18

10 8	3 51.50	− 0 2.9	2.037	2.838	14.3	19.8
10 18	3 46.63	− 0 57.4	1.980	2.852	11.6	19.7
10 28	3 39.68	− 1 45.3	1.945	2.867	9.0	19.5
11 7	3 31.31	− 2 21.2	1.936	2.881	7.2	19.5
11 17	3 22.37	− 2 40.7	1.954	2.896	7.3	19.5
11 27	3 13.83	− 2 40.9	2.000	2.910	9.1	19.6
12 7	3 6.53	− 2 21.4	2.071	2.923	11.5	19.8
12 17	3 1.08	− 1 44.0	2.165	2.937	13.9	20.0

160389 2004 LO_{23} 11 15.5 230°.32 1°.9/14.5 18

10 8	3 53.08	+15 49.9	1.781	2.588	15.8	21.6
10 18	3 48.63	+15 21.4	1.692	2.580	12.4	21.3
10 28	3 41.51	+14 46.3	1.625	2.572	8.4	21.1
11 7	3 32.36	+14 7.1	1.584	2.564	4.1	20.8
11 17	3 22.17	+13 27.6	1.570	2.555	2.2	20.7
11 27	3 12.18	+12 52.6	1.585	2.546	6.3	20.9
12 7	3 3.57	+12 26.7	1.627	2.537	10.6	21.2
12 17	2 57.23	+12 13.2	1.693	2.527	14.5	21.4

448827 2011 UE_{56} 11 15.5 25°.90 1°.1/16.1 18

10 8	3 52.59	+21 28.2	1.794	2.592	16.0	21.1
10 18	3 48.28	+21 43.3	1.714	2.594	12.7	20.9
10 28	3 41.27	+21 50.3	1.655	2.596	8.8	20.7
11 7	3 32.24	+21 48.9	1.620	2.599	4.4	20.4
11 17	3 22.20	+21 39.8	1.614	2.602	1.2	20.2
11 27	3 12.42	+21 25.8	1.636	2.604	5.2	20.5
12 7	3 4.09	+21 11.0	1.685	2.608	9.4	20.7
12 17	2 58.08	+20 59.7	1.759	2.611	13.2	21.0

273617 2007 DH_{18} 11 15.5 256°.32 0°.6/15.8 18

10 8	3 53.32	+21 28.3	1.715	2.515	16.6	21.3
10 18	3 49.13	+21 20.5	1.621	2.503	13.2	21.0
10 28	3 42.04	+21 2.2	1.548	2.491	9.1	20.7
11 7	3 32.69	+20 34.0	1.500	2.479	4.4	20.4
11 17	3 22.11	+19 57.6	1.479	2.467	0.8	20.1
11 27	3 11.67	+19 17.5	1.486	2.454	5.7	20.5
12 7	3 2.70	+18 39.3	1.520	2.441	10.4	20.7
12 17	2 56.18	+18 8.5	1.578	2.428	14.6	20.9

110333 2001 SS_{290} 11 15.5 16°.36 1°.0/15.8 18

10 8	3 57.27	+17 22.0	1.616	2.419	17.3	18.6
10 18	3 52.26	+18 23.0	1.539	2.423	13.7	18.3
10 28	3 44.17	+19 22.3	1.484	2.428	9.4	18.1
11 7	3 33.68	+20 18.0	1.453	2.433	4.6	17.8
11 17	3 21.94	+21 7.9	1.451	2.439	1.2	17.6
11 27	3 10.43	+21 51.7	1.477	2.445	5.7	17.9
12 7	3 0.55	+22 30.6	1.530	2.452	10.3	18.2
12 17	2 53.33	+23 7.4	1.608	2.460	14.2	18.5

20261 1998 FM_{12} 11 15.5 88°.00 2°.2/14.3 18

10 8	3 53.88	+14 54.6	1.788	2.594	15.8	18.4
10 18	3 48.79	+14 18.6	1.729	2.617	12.2	18.2
10 28	3 41.26	+13 37.6	1.692	2.639	8.2	18.0
11 7	3 32.08	+12 55.0	1.681	2.661	4.0	17.8
11 17	3 22.28	+12 14.7	1.699	2.683	2.6	17.8
11 27	3 13.00	+11 41.4	1.745	2.704	6.1	18.0
12 7	3 5.25	+11 18.6	1.819	2.725	9.9	18.3
12 17	2 59.69	+11 8.6	1.917	2.746	13.3	18.6

277616 2006 BN_6 11 15.5 201°.12 1°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.29	+27 22.2	3.602	4.338	9.8	24.0
10 18	3 48.14	+27 3.2	3.490	4.331	7.9	23.9
10 28	3 40.45	+26 35.2	3.403	4.323	5.6	23.7
11 7	3 31.66	+25 58.1	3.345	4.314	3.2	23.5
11 17	3 22.35	+25 12.9	3.320	4.304	1.5	23.4
11 27	3 13.18	+24 22.1	3.328	4.293	3.2	23.5
12 7	3 4.80	+23 28.7	3.369	4.280	5.7	23.6
12 17	2 57.72	+22 36.5	3.440	4.267	8.0	23.8

336093 2008 GK_{144} 11 15.5 127°.92 1°.7/14.6 16

10 8	3 55.40	+15 54.4	1.843	2.643	15.6	21.9
10 18	3 50.05	+15 26.6	1.773	2.657	12.2	21.7
10 28	3 42.19	+14 53.0	1.726	2.671	8.2	21.5
11 7	3 32.57	+14 16.3	1.704	2.685	3.9	21.3
11 17	3 22.19	+13 39.8	1.712	2.697	2.1	21.2
11 27	3 12.26	+13 7.9	1.748	2.709	5.9	21.4
12 7	3 3.81	+12 44.7	1.813	2.721	9.9	21.7
12 17	2 57.60	+12 32.7	1.902	2.732	13.3	22.0

308696 2006 EV_{12} 11 15.5 20°.43 0°.3/15.7 18

10 8	3 51.07	+20 31.2	1.454	2.272	18.2	20.5
10 18	3 47.58	+20 24.4	1.383	2.275	14.3	20.3
10 28	3 41.02	+20 7.3	1.331	2.279	9.8	20.0
11 7	3 32.18	+19 41.0	1.303	2.284	4.7	19.8
11 17	3 22.25	+19 8.2	1.300	2.289	0.8	19.5
11 27	3 12.71	+18 33.9	1.325	2.294	6.0	19.9
12 7	3 4.92	+18 3.8	1.375	2.300	10.9	20.2
12 17	2 59.80	+17 42.8	1.447	2.307	15.1	20.5

210249 2007 RH_{241} 11 15.5 345°.75 7°.8/10.5 18

10 8	3 47.22	+ 4 15.1	1.612	2.440	16.2	19.5
10 18	3 44.06	+ 2 34.5	1.544	2.437	13.1	19.3
10 28	3 38.38	+ 0 54.4	1.497	2.434	10.0	19.2
11 7	3 30.86	− 0 36.6	1.475	2.431	7.9	19.0
11 17	3 22.48	− 1 49.8	1.479	2.429	8.3	19.1
11 27	3 14.42	− 2 38.4	1.509	2.427	10.9	19.2
12 7	3 7.75	− 2 59.3	1.563	2.426	14.0	19.4
12 17	3 3.24	− 2 53.1	1.636	2.424	17.0	19.6

278210 2007 EQ_{38} 11 15.5 142°.27 0°.8/15.1 18

10 8	3 54.70	+17 26.0	1.859	2.658	15.5	21.5
10 18	3 49.64	+17 16.4	1.782	2.665	12.2	21.3
10 28	3 42.03	+17 0.7	1.727	2.672	8.2	21.1
11 7	3 32.55	+16 40.3	1.698	2.678	3.8	20.8
11 17	3 22.20	+16 17.5	1.697	2.684	1.2	20.7
11 27	3 12.18	+15 56.0	1.725	2.690	5.5	21.0
12 7	3 3.60	+15 39.6	1.781	2.695	9.6	21.2
12 17	2 57.25	+15 31.4	1.862	2.700	13.2	21.5

290318 2005 SW_{202} 11 15.5 160°.53 0°.9/14.9 18

10 8	3 50.03	+17 49.5	2.161	2.959	13.7	21.5
10 18	3 45.70	+17 26.5	2.077	2.960	10.7	21.3
10 28	3 39.22	+16 57.0	2.017	2.962	7.2	21.1
11 7	3 31.20	+16 22.9	1.982	2.963	3.4	20.9
11 17	3 22.44	+15 46.9	1.977	2.964	1.2	20.7
11 27	3 13.93	+15 12.8	2.001	2.965	4.9	21.0
12 7	3 6.57	+14 44.3	2.054	2.966	8.6	21.2
12 17	3 1.05	+14 24.6	2.132	2.967	11.9	21.4

346815 2009 CE_{50} 11 15.5 354°.22 4°.4/17.1 17

10 8	3 40.93	+25 13.5	0.978	1.832	22.3	19.4
10 18	3 41.27	+26 2.4	0.909	1.819	18.2	19.1
10 28	3 37.73	+26 36.6	0.857	1.808	13.2	18.8
11 7	3 30.99	+26 52.6	0.823	1.800	7.9	18.5
11 17	3 22.44	+26 49.1	0.810	1.795	4.4	18.3
11 27	3 14.13	+26 29.2	0.819	1.792	7.8	18.5
12 7	3 8.03	+26 0.9	0.849	1.792	13.2	18.8
12 17	3 5.47	+25 32.7	0.898	1.795	18.3	19.1

287788 2003 SY_{133} 11 15.5 39°.72 4°.8/13.7 18

10 8	3 52.06	+11 28.3	1.099	1.945	21.0	19.9
10 18	3 48.75	+10 41.1	1.050	1.958	16.4	19.6
10 28	3 41.92	+ 9 51.0	1.019	1.973	11.2	19.4
11 7	3 32.60	+ 9 4.4	1.009	1.988	6.3	19.2
11 17	3 22.25	+ 8 28.3	1.024	2.004	5.2	19.2
11 27	3 12.65	+ 8 8.8	1.063	2.020	9.3	19.5
12 7	3 5.23	+ 8 9.1	1.124	2.038	14.0	19.8
12 17	3 0.87	+ 8 29.3	1.206	2.055	18.2	20.1

44578 1999 GL_{25} 11 15.5 334°.75 4°.2/13.5 18

10 8	3 49.93	+11 35.8	1.458	2.287	17.5	18.5
10 18	3 46.61	+10 50.5	1.382	2.282	13.8	18.3
10 28	3 40.36	+10 1.1	1.327	2.277	9.6	18.0
11 7	3 31.91	+ 9 12.7	1.295	2.273	5.4	17.8
11 17	3 22.35	+ 8 31.2	1.290	2.269	4.6	17.7
11 27	3 13.09	+ 8 2.6	1.310	2.265	8.3	17.9
12 7	3 5.42	+ 7 50.9	1.355	2.262	12.7	18.2
12 17	3 0.27	+ 7 57.9	1.422	2.259	16.6	18.4

450441 2005 UD_{360} 11 15.5 16°.77 0°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.06	+21 0.9	1.767	2.574	15.9	21.5
10 18	3 45.48	+20 51.2	1.691	2.578	12.5	21.2
10 28	3 39.34	+20 32.1	1.636	2.582	8.5	21.0
11 7	3 31.34	+20 4.6	1.606	2.586	4.1	20.8
11 17	3 22.46	+19 31.3	1.603	2.591	0.7	20.5
11 27	3 13.89	+18 56.3	1.627	2.596	5.2	20.9
12 7	3 6.73	+18 24.6	1.679	2.602	9.4	21.1
12 17	3 1.78	+18 0.2	1.755	2.609	13.1	21.4

47889 2000 FL_{47} 11 15.5 305°.17 5°.8/11.4 18

10 8	3 46.43	+ 3 45.0	2.201	3.012	13.0	18.8
10 18	3 42.84	+ 2 43.0	2.117	3.001	10.5	18.6
10 28	3 37.30	+ 1 42.8	2.057	2.990	7.9	18.4
11 7	3 30.33	+ 0 49.5	2.023	2.979	6.0	18.3
11 17	3 22.65	+ 0 8.1	2.016	2.969	6.2	18.3
11 27	3 15.13	− 0 17.0	2.037	2.959	8.3	18.4
12 7	3 8.59	− 0 23.8	2.084	2.948	11.0	18.5
12 17	3 3.69	− 0 12.1	2.154	2.939	13.6	18.7

429401 2010 RC_{166} 11 15.5 18°.68 2°.1/16.4 18

10 8	3 50.26	+23 35.1	1.013	1.854	22.7	20.6
10 18	3 48.18	+23 46.0	0.956	1.860	18.1	20.3
10 28	3 42.06	+23 40.7	0.915	1.866	12.6	20.0
11 7	3 32.87	+23 18.8	0.894	1.874	6.6	19.7
11 17	3 22.22	+22 42.6	0.896	1.883	2.2	19.5
11 27	3 12.22	+21 58.8	0.921	1.893	7.2	19.8
12 7	3 4.65	+21 16.3	0.968	1.905	12.9	20.2
12 17	3 0.62	+20 43.0	1.036	1.917	17.9	20.5

20124 1995 WJ_{36} 11 15.5 121°.59 3°.0/14.2 18 R

10 8	3 55.85	+ 9 58.0	1.988	2.786	14.7	18.1
10 18	3 50.24	+ 9 53.5	1.916	2.798	11.5	18.0
10 28	3 42.28	+ 9 49.5	1.867	2.809	7.9	17.8
11 7	3 32.65	+ 9 48.2	1.845	2.820	4.3	17.6
11 17	3 22.27	+ 9 51.9	1.851	2.831	3.2	17.5
11 27	3 12.24	+10 2.8	1.887	2.842	6.2	17.7
12 7	3 3.54	+10 22.3	1.952	2.852	9.7	18.0
12 17	2 56.92	+10 50.9	2.042	2.862	12.9	18.2

48122 2001 FQ_{100} 11 15.5 155°.84 0°.1/15.6 18

10 8	3 56.10	+18 0.4	2.251	3.033	13.7	19.7
10 18	3 50.37	+18 17.5	2.166	3.039	10.7	19.5
10 28	3 42.38	+18 30.2	2.105	3.045	7.3	19.3
11 7	3 32.73	+18 38.7	2.071	3.051	3.4	19.0
11 17	3 22.25	+18 43.5	2.067	3.056	0.6	18.8
11 27	3 12.00	+18 46.4	2.094	3.060	4.6	19.1
12 7	3 2.93	+18 49.7	2.150	3.064	8.2	19.4
12 17	2 55.80	+18 56.1	2.233	3.067	11.4	19.6

352318 2007 UM_{91} 11 15.5 66°.16 0°.4/15.7 18

10 8	3 52.32	+20 21.9	1.831	2.631	15.7	21.3
10 18	3 47.98	+20 21.5	1.751	2.633	12.4	21.1
10 28	3 41.04	+20 13.0	1.691	2.635	8.5	20.8
11 7	3 32.17	+19 57.1	1.657	2.637	4.1	20.6
11 17	3 22.36	+19 35.3	1.651	2.639	0.7	20.3
11 27	3 12.81	+19 11.2	1.673	2.641	5.2	20.7
12 7	3 4.67	+18 49.1	1.723	2.643	9.4	20.9
12 17	2 58.77	+18 33.0	1.797	2.645	13.1	21.2

485310 2011 AP_{71} 11 15.5 347°.91 3°.2/13.9 17

10 8	3 50.35	+ 9 43.9	2.062	2.869	13.9	21.7
10 18	3 46.03	+ 9 33.7	1.980	2.867	10.9	21.5
10 28	3 39.52	+ 9 23.8	1.921	2.865	7.6	21.2
11 7	3 31.40	+ 9 16.9	1.888	2.864	4.3	21.0
11 17	3 22.49	+ 9 15.6	1.883	2.862	3.4	21.0
11 27	3 13.77	+ 9 22.3	1.907	2.861	6.2	21.2
12 7	3 6.20	+ 9 38.7	1.959	2.860	9.6	21.4
12 17	3 0.48	+10 5.5	2.035	2.859	12.8	21.6

99470 2002 CQ_{110} 11 15.5 139°.58 1°.5/16.3 18

10 8	3 58.38	+23 2.1	1.679	2.467	17.3	20.5
10 18	3 52.94	+23 10.2	1.604	2.478	13.8	20.3
10 28	3 44.49	+23 7.6	1.549	2.487	9.6	20.1
11 7	3 33.81	+22 53.7	1.520	2.497	4.9	19.8
11 17	3 22.09	+22 29.6	1.518	2.505	1.6	19.6
11 27	3 10.79	+21 59.0	1.545	2.513	5.5	19.9
12 7	3 1.23	+21 27.4	1.599	2.520	10.0	20.2
12 17	2 54.32	+21 0.3	1.679	2.527	13.9	20.4

84657 2002 VT_{76} 11 15.5 67°.46 2°.5/14.4 18

10 8	3 55.21	+14 51.1	1.373	2.195	18.8	19.7
10 18	3 50.55	+14 20.8	1.320	2.216	14.6	19.5
10 28	3 42.81	+13 45.0	1.287	2.237	9.8	19.2
11 7	3 32.95	+13 7.3	1.278	2.258	4.8	19.0
11 17	3 22.27	+12 32.6	1.295	2.280	2.9	18.9
11 27	3 12.28	+12 6.1	1.339	2.301	7.1	19.3
12 7	3 4.24	+11 51.8	1.408	2.322	11.7	19.6
12 17	2 58.94	+11 51.7	1.500	2.343	15.6	19.9

378123 2006 UK_{338} 11 15.5 303°.14 0°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.06	+18 7.9	1.388	2.211	18.6	21.5
10 18	3 48.89	+18 6.4	1.297	2.194	14.8	21.2
10 28	3 42.35	+17 57.1	1.226	2.176	10.2	20.9
11 7	3 33.08	+17 40.7	1.177	2.159	4.8	20.5
11 17	3 22.20	+17 19.8	1.154	2.142	1.1	20.2
11 27	3 11.37	+16 58.6	1.157	2.126	6.8	20.6
12 7	3 2.21	+16 42.6	1.185	2.110	12.3	20.8
12 17	2 55.92	+16 36.7	1.235	2.094	17.1	21.1

355016 2006 QC_{104} 11 15.6 88°.80 5°.2/12.5 18

10 8	3 52.13	+ 6 5.6	1.996	2.801	14.4	21.2
10 18	3 47.11	+ 5 7.6	1.943	2.826	11.3	21.1
10 28	3 40.01	+ 4 11.6	1.913	2.850	8.1	21.0
11 7	3 31.53	+ 3 22.7	1.910	2.873	5.6	20.8
11 17	3 22.54	+ 2 45.4	1.934	2.897	5.5	20.9
11 27	3 14.01	+ 2 23.4	1.988	2.919	7.7	21.1
12 7	3 6.80	+ 2 18.2	2.068	2.942	10.6	21.3
12 17	3 1.48	+ 2 29.6	2.171	2.964	13.2	21.5

13152 1995 QK 11 15.6 33°.21 0°.2/15.5 18

10 8	3 50.71	+21 19.8	1.134	1.970	21.1	18.1
10 18	3 47.88	+20 51.0	1.079	1.982	16.6	17.8
10 28	3 41.47	+20 7.4	1.042	1.995	11.2	17.6
11 7	3 32.47	+19 12.0	1.026	2.009	5.3	17.3
11 17	3 22.38	+18 10.2	1.035	2.023	0.9	17.1
11 27	3 12.99	+17 10.3	1.068	2.039	6.9	17.5
12 7	3 5.80	+16 20.5	1.125	2.055	12.3	17.9
12 17	3 1.73	+15 46.2	1.204	2.072	16.9	18.2

355019 2006 QY_{115} 11 15.6 60°.65 7°.9/20.8 18

10 8	3 56.28	+40 1.6	1.805	2.534	18.4	20.3
10 18	3 51.70	+40 43.9	1.734	2.548	15.7	20.2
10 28	3 43.84	+41 4.9	1.683	2.563	12.7	20.0
11 7	3 33.56	+40 59.8	1.652	2.577	9.9	19.9
11 17	3 22.19	+40 26.7	1.647	2.592	8.1	19.8
11 27	3 11.34	+39 28.4	1.668	2.607	8.3	19.9
12 7	3 2.44	+38 12.5	1.714	2.622	10.4	20.0
12 17	2 56.43	+36 48.6	1.786	2.637	13.1	20.2

512899 2016 WN_{44} 11 15.6 91°.70 2°.4/16.9 18

10 8	3 53.93	+26 38.8	1.767	2.551	16.8	21.0
10 18	3 49.33	+26 36.0	1.694	2.563	13.4	20.8
10 28	3 41.97	+26 19.3	1.641	2.574	9.5	20.6
11 7	3 32.61	+25 48.3	1.613	2.586	5.3	20.3
11 17	3 22.36	+25 4.6	1.612	2.597	2.4	20.2
11 27	3 12.55	+24 12.8	1.640	2.608	5.3	20.4
12 7	3 4.36	+23 19.2	1.695	2.619	9.3	20.7
12 17	2 58.61	+22 30.2	1.775	2.630	13.0	20.9

374203 2005 EE_{84} 11 15.6 329°.68 6°.8/18.4 18

10 8	3 55.43	+31 59.7	1.335	2.125	21.0	20.7
10 18	3 52.09	+32 53.8	1.256	2.120	17.5	20.4
10 28	3 44.82	+33 30.5	1.194	2.115	13.5	20.2
11 7	3 34.32	+33 43.7	1.153	2.111	9.3	20.0
11 17	3 22.04	+33 29.9	1.135	2.107	6.8	19.8
11 27	3 9.99	+32 51.1	1.143	2.103	8.4	19.9
12 7	3 0.11	+31 55.4	1.174	2.100	12.3	20.1
12 17	2 53.73	+30 53.7	1.228	2.097	16.5	20.3

505679 2014 WT_{69} 11 15.6 69°.09 0°.1/16.9 17

10 8	3 26.63	+24 22.4	45.774	46.534	0.8	22.5
10 18	3 26.00	+24 20.5	45.679	46.536	0.6	22.5
10 28	3 25.30	+24 18.2	45.609	46.538	0.4	22.4
11 7	3 24.54	+24 15.5	45.568	46.540	0.2	22.4
11 17	3 23.75	+24 12.4	45.557	46.542	0.1	22.4
11 27	3 22.97	+24 9.1	45.577	46.544	0.2	22.4
12 7	3 22.22	+24 5.7	45.627	46.546	0.4	22.4
12 17	3 21.54	+24 2.3	45.705	46.547	0.6	22.5

313288 2002 CA_{34} 11 15.6 275°.48 6°.5/19.7 18

10 8	3 54.79	+38 15.5	2.339	3.057	14.9	21.7
10 18	3 50.17	+38 54.4	2.224	3.034	12.8	21.5
10 28	3 42.78	+39 18.2	2.130	3.010	10.4	21.3
11 7	3 33.17	+39 22.7	2.059	2.986	8.1	21.1
11 17	3 22.25	+39 5.1	2.014	2.962	6.6	21.0
11 27	3 11.27	+38 25.8	1.998	2.937	7.1	21.0
12 7	3 1.54	+37 29.2	2.009	2.912	9.3	21.1
12 17	2 54.07	+36 22.3	2.046	2.887	12.0	21.2

230796 2004 EJ 11 15.6 245°.39 4°.9/17.9 18

10 8	3 55.69	+30 38.3	1.621	2.397	18.4	20.4
10 18	3 51.47	+31 5.5	1.533	2.392	15.2	20.2
10 28	3 43.92	+31 16.6	1.465	2.387	11.4	19.9
11 7	3 33.74	+31 8.1	1.420	2.382	7.4	19.7
11 17	3 22.16	+30 38.7	1.400	2.377	4.9	19.5
11 27	3 10.81	+29 51.4	1.408	2.371	6.7	19.6
12 7	3 1.24	+28 53.5	1.442	2.366	10.6	19.8
12 17	2 54.56	+27 53.6	1.500	2.360	14.6	20.1

409828 2006 LJ_1 11 15.6 242°.97 6°.9/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.95	− 4 46.8	2.705	3.487	11.6	20.9
10 18	3 44.39	− 5 30.6	2.623	3.477	9.8	20.7
10 28	3 38.16	− 6 7.0	2.565	3.466	8.0	20.6
11 7	3 30.73	− 6 31.6	2.532	3.456	7.0	20.5
11 17	3 22.71	− 6 40.8	2.527	3.445	7.2	20.5
11 27	3 14.82	− 6 32.2	2.550	3.434	8.5	20.6
12 7	3 7.78	− 6 5.4	2.600	3.423	10.4	20.7
12 17	3 2.13	− 5 21.6	2.672	3.412	12.4	20.8

282475 2004 GE_{38} 11 15.6 223°.79 5°.1/11.6 17

10 8	3 52.60	+11 49.0	1.877	2.684	15.1	20.7
10 18	3 48.02	+ 9 53.8	1.788	2.676	11.9	20.5
10 28	3 40.99	+ 7 49.2	1.723	2.666	8.4	20.3
11 7	3 32.16	+ 5 42.6	1.686	2.656	5.5	20.1
11 17	3 22.46	+ 3 42.7	1.679	2.645	5.7	20.1
11 27	3 13.01	+ 1 58.9	1.701	2.634	8.7	20.3
12 7	3 4.86	+ 0 37.6	1.751	2.622	12.3	20.4
12 17	2 58.80	− 0 17.8	1.824	2.609	15.6	20.6

104950 2000 JX_{44} 11 15.6 266°.81 0°.4/15.3 18

10 8	3 47.66	+20 40.2	2.576	3.363	12.0	20.5
10 18	3 43.67	+20 0.3	2.471	3.348	9.4	20.3
10 28	3 37.83	+19 11.5	2.390	3.332	6.4	20.1
11 7	3 30.62	+18 15.4	2.336	3.316	3.0	19.9
11 17	3 22.72	+17 15.0	2.312	3.300	0.7	19.6
11 27	3 14.94	+16 14.3	2.318	3.284	4.3	19.9
12 7	3 8.07	+15 17.8	2.355	3.267	7.7	20.1
12 17	3 2.72	+14 29.4	2.417	3.250	10.7	20.3

20190 1997 BZ_2 11 15.6 176°.58 2°.0/14.3 18

10 8	3 52.21	+14 41.2	2.231	3.026	13.4	19.4
10 18	3 47.30	+14 10.1	2.146	3.028	10.4	19.2
10 28	3 40.29	+13 34.4	2.086	3.030	7.1	19.0
11 7	3 31.77	+12 56.7	2.052	3.031	3.5	18.8
11 17	3 22.54	+12 20.0	2.047	3.031	2.2	18.7
11 27	3 13.54	+11 48.3	2.073	3.031	5.4	18.9
12 7	3 5.67	+11 24.8	2.128	3.031	8.9	19.1
12 17	2 59.61	+11 11.8	2.207	3.030	12.0	19.4

381407 2008 HJ_{35} 11 15.6 75°.56 4°.4/14.0 18

10 8	3 55.88	+ 8 37.3	1.475	2.293	17.9	20.6
10 18	3 51.09	+ 8 23.3	1.409	2.301	14.2	20.4
10 28	3 43.29	+ 8 11.0	1.364	2.309	9.9	20.1
11 7	3 33.29	+ 8 4.1	1.342	2.317	5.7	19.9
11 17	3 22.29	+ 8 6.4	1.347	2.325	4.7	19.9
11 27	3 11.72	+ 8 20.7	1.379	2.333	8.0	20.1
12 7	3 2.90	+ 8 48.4	1.437	2.341	12.2	20.4
12 17	2 56.72	+ 9 29.2	1.518	2.349	16.0	20.6

469777 2005 QJ_{128} 11 15.6 76°.56 0°.5/15.4 18

10 8	3 56.61	+18 50.8	1.480	2.289	18.3	21.2
10 18	3 51.56	+18 40.3	1.423	2.311	14.3	21.0
10 28	3 43.49	+18 21.4	1.386	2.333	9.6	20.8
11 7	3 33.31	+17 55.6	1.374	2.355	4.5	20.5
11 17	3 22.30	+17 26.0	1.388	2.377	1.0	20.3
11 27	3 11.94	+16 57.4	1.431	2.398	6.0	20.7
12 7	3 3.48	+16 34.6	1.500	2.419	10.6	21.1
12 17	2 57.72	+16 21.5	1.592	2.440	14.5	21.4

11706 Rijeka 11 15.6 168°.14 0°.4/15.8 18

10 8	3 50.84	+20 57.9	2.286	3.073	13.3	19.1
10 18	3 46.31	+20 51.0	2.200	3.075	10.5	18.9
10 28	3 39.67	+20 36.6	2.136	3.076	7.2	18.7
11 7	3 31.50	+20 15.4	2.099	3.078	3.5	18.5
11 17	3 22.59	+19 49.0	2.090	3.079	0.6	18.3
11 27	3 13.88	+19 20.5	2.112	3.079	4.4	18.6
12 7	3 6.29	+18 53.6	2.162	3.080	8.0	18.8
12 17	3 0.49	+18 31.6	2.239	3.080	11.1	19.0

214773 2006 UU_{64} 11 15.6 32°.71 2°.6/14.8 18

10 8	3 55.43	+10 27.9	1.468	2.288	18.0	19.5
10 18	3 50.68	+10 51.7	1.410	2.303	14.1	19.3
10 28	3 42.97	+11 17.6	1.371	2.319	9.6	19.0
11 7	3 33.11	+11 46.7	1.357	2.336	4.9	18.8
11 17	3 22.33	+12 20.2	1.370	2.354	2.9	18.7
11 27	3 12.05	+12 58.8	1.410	2.373	6.8	19.0
12 7	3 3.55	+13 43.1	1.476	2.392	11.1	19.3
12 17	2 57.68	+14 33.4	1.567	2.412	14.9	19.6

370911 2005 JZ_{50} 11 15.6 309°.96 2°.1/14.7 18

10 8	3 51.54	+16 7.4	1.333	2.162	18.9	21.0
10 18	3 48.40	+15 43.3	1.252	2.152	14.9	20.7
10 28	3 41.93	+15 11.2	1.190	2.142	10.2	20.4
11 7	3 32.85	+14 34.0	1.151	2.133	4.9	20.1
11 17	3 22.35	+13 56.2	1.137	2.123	2.5	19.9
11 27	3 12.07	+13 23.8	1.149	2.114	7.5	20.2
12 7	3 3.55	+13 2.7	1.185	2.106	12.8	20.4
12 17	2 57.91	+12 56.8	1.243	2.098	17.4	20.7

264261 1994 EE_5 11 15.6 301°.04 1°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.16	+16 57.2	1.374	2.201	18.6	21.6
10 18	3 48.10	+16 32.3	1.286	2.185	14.7	21.3
10 28	3 41.76	+15 58.3	1.218	2.170	10.1	21.0
11 7	3 32.79	+15 17.8	1.173	2.155	4.8	20.6
11 17	3 22.35	+14 35.0	1.153	2.140	2.2	20.4
11 27	3 12.03	+13 56.2	1.160	2.126	7.3	20.7
12 7	3 3.39	+13 27.7	1.191	2.112	12.7	21.0
12 17	2 57.57	+13 14.2	1.243	2.098	17.4	21.2

87177 2000 OJ_6 11 15.6 36°.30 2°.3/16.8 18

10 8	3 51.45	+26 19.7	1.348	2.159	19.7	18.5
10 18	3 48.15	+26 8.1	1.285	2.170	15.7	18.3
10 28	3 41.54	+25 39.0	1.240	2.181	11.1	18.0
11 7	3 32.51	+24 52.7	1.217	2.193	6.0	17.8
11 17	3 22.44	+23 52.3	1.220	2.206	2.3	17.6
11 27	3 12.96	+22 44.7	1.248	2.219	6.1	17.9
12 7	3 5.47	+21 38.6	1.303	2.233	10.9	18.2
12 17	3 0.88	+20 41.7	1.380	2.247	15.2	18.5

437585 2014 AK_{44} 11 15.6 60°.71 3°.6/14.0 18

10 8	3 54.31	+11 51.3	1.393	2.218	18.5	20.7
10 18	3 49.83	+11 21.1	1.339	2.236	14.4	20.5
10 28	3 42.37	+10 48.6	1.305	2.254	9.8	20.3
11 7	3 32.80	+10 18.1	1.294	2.273	5.3	20.1
11 17	3 22.40	+ 9 54.2	1.310	2.292	4.0	20.1
11 27	3 12.63	+ 9 41.5	1.353	2.311	7.7	20.3
12 7	3 4.71	+ 9 42.6	1.421	2.330	12.0	20.6
12 17	2 59.45	+ 9 58.6	1.511	2.349	15.7	20.9

488359 2016 WE_{26} 11 15.6 36°.48 1°.4/16.3 18

10 8	3 51.37	+23 42.8	1.406	2.220	18.9	20.2
10 18	3 47.89	+23 34.2	1.343	2.232	15.0	20.0
10 28	3 41.27	+23 11.7	1.299	2.244	10.3	19.8
11 7	3 32.37	+22 36.0	1.278	2.257	5.2	19.5
11 17	3 22.47	+21 50.1	1.283	2.271	1.5	19.3
11 27	3 13.12	+20 59.8	1.314	2.285	5.9	19.7
12 7	3 5.65	+20 12.1	1.371	2.299	10.6	20.0
12 17	3 0.92	+19 33.2	1.451	2.315	14.8	20.3

405782 2006 AX_{35} 11 15.6 295°.78 3°.3/17.9 17

10 8	3 50.42	+29 59.2	2.216	2.981	14.4	21.1
10 18	3 46.29	+30 2.9	2.124	2.977	11.7	20.9
10 28	3 39.83	+29 53.1	2.053	2.974	8.6	20.7
11 7	3 31.64	+29 28.9	2.007	2.970	5.4	20.5
11 17	3 22.58	+28 50.6	1.989	2.967	3.3	20.4
11 27	3 13.74	+28 1.5	2.000	2.964	4.9	20.5
12 7	3 6.12	+27 6.5	2.039	2.961	8.1	20.7
12 17	3 0.49	+26 11.6	2.104	2.958	11.3	20.9

159027 2004 TH_{54} 11 15.6 357°.39 0°.3/15.4 18

10 8	3 49.04	+18 46.1	1.952	2.757	14.7	20.2
10 18	3 45.28	+18 37.7	1.869	2.755	11.5	20.0
10 28	3 39.17	+18 22.4	1.808	2.754	7.8	19.7
11 7	3 31.33	+18 1.5	1.773	2.754	3.7	19.5
11 17	3 22.64	+17 37.3	1.765	2.753	0.8	19.3
11 27	3 14.17	+17 13.3	1.786	2.753	5.0	19.6
12 7	3 6.93	+16 53.2	1.834	2.754	9.0	19.8
12 17	3 1.70	+16 40.3	1.908	2.754	12.6	20.0

126488 2002 CD_{55} 11 15.6 167°.30 1°.9/16.8 18 R

10 8	3 54.48	+25 34.0	2.087	2.862	14.8	20.4
10 18	3 49.44	+25 33.1	2.001	2.866	11.9	20.2
10 28	3 41.93	+25 20.9	1.937	2.869	8.4	20.0
11 7	3 32.62	+24 57.0	1.898	2.872	4.6	19.8
11 17	3 22.43	+24 22.5	1.888	2.874	1.9	19.6
11 27	3 12.52	+23 40.8	1.908	2.876	4.7	19.8
12 7	3 3.95	+22 56.9	1.957	2.877	8.5	20.0
12 17	2 57.50	+22 16.0	2.032	2.878	11.9	20.3

167274 2003 UT_{148} 11 15.6 104°.01 2°.5/16.7 18

10 8	3 58.53	+23 56.1	1.928	2.704	15.8	20.1
10 18	3 52.78	+24 37.9	1.853	2.717	12.7	20.0
10 28	3 44.29	+25 11.5	1.799	2.731	8.9	19.8
11 7	3 33.76	+25 34.6	1.772	2.744	5.0	19.6
11 17	3 22.24	+25 46.4	1.773	2.757	2.5	19.4
11 27	3 11.04	+25 48.2	1.804	2.769	5.2	19.6
12 7	3 1.36	+25 43.6	1.863	2.782	9.0	19.9
12 17	2 54.07	+25 37.2	1.948	2.794	12.4	20.1

334441 2002 JJ_{119} 11 15.6 127°.60 4°.6/12.4 18

10 8	3 49.40	+ 4 11.9	2.533	3.330	11.9	21.3
10 18	3 44.73	+ 3 33.6	2.464	3.340	9.5	21.1
10 28	3 38.36	+ 2 58.2	2.418	3.349	7.0	21.0
11 7	3 30.82	+ 2 29.1	2.399	3.358	5.0	20.9
11 17	3 22.75	+ 2 9.7	2.409	3.367	4.9	20.9
11 27	3 14.94	+ 2 2.5	2.448	3.376	6.7	21.0
12 7	3 8.08	+ 2 8.7	2.515	3.384	9.1	21.2
12 17	3 2.71	+ 2 28.2	2.607	3.392	11.5	21.3

513649 2011 SE_{38} 11 15.6 59.°94 3.°8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 59.94	+25 50.7	1.649	2.429	17.9	20.2
10 18	3 54.23	+26 49.6	1.589	2.454	14.4	20.1
10 28	3 45.40	+27 37.6	1.550	2.478	10.3	19.9
11 7	3 34.30	+28 11.3	1.535	2.503	6.2	19.7
11 17	3 22.18	+28 29.0	1.548	2.528	3.8	19.6
11 27	3 10.59	+28 32.1	1.589	2.553	6.0	19.8
12 7	3 0.89	+28 25.3	1.658	2.578	9.8	20.1
12 17	2 53.98	+28 14.6	1.751	2.602	13.3	20.4

12268 1990 OY_{1} 11 15.6 110.°94 1.°1/15.0 18

10 8	3 54.69	+16 27.2	1.979	2.775	14.8	17.8
10 18	3 49.41	+16 17.3	1.909	2.791	11.6	17.6
10 28	3 41.78	+16 2.5	1.862	2.806	7.8	17.4
11 7	3 32.49	+15 44.3	1.841	2.821	3.6	17.2
11 17	3 22.49	+15 25.0	1.849	2.836	1.4	17.1
11 27	3 12.87	+15 7.9	1.887	2.851	5.2	17.4
12 7	3 4.63	+14 56.2	1.953	2.864	9.0	17.6
12 17	2 58.47	+14 52.4	2.044	2.878	12.4	17.9

517490 2014 QC_{227} 11 15.6 181.°32 5.°6/10.9 18

10 8	3 48.73	+ 1 3.1	2.729	3.520	11.3	22.1
10 18	3 44.14	+ 0 1.4	2.653	3.521	9.2	22.0
10 28	3 37.96	− 0 56.9	2.601	3.521	7.1	21.8
11 7	3 30.64	− 1 47.4	2.577	3.521	5.7	21.7
11 17	3 22.81	− 2 26.1	2.582	3.521	5.9	21.8
11 27	3 15.17	− 2 49.9	2.616	3.520	7.5	21.9
12 7	3 8.38	− 2 57.3	2.677	3.518	9.6	22.0
12 17	3 2.96	− 2 48.5	2.762	3.516	11.6	22.1

169931 2002 TW_{10} 11 15.6 84.°17 0.°2/15.7 18

10 8	3 53.99	+23 2.7	1.915	2.703	15.5	20.2
10 18	3 48.81	+22 15.6	1.854	2.730	12.1	20.1
10 28	3 41.28	+21 16.7	1.816	2.757	8.2	19.9
11 7	3 32.20	+20 8.3	1.804	2.783	3.9	19.7
11 17	3 22.58	+18 54.9	1.820	2.809	0.6	19.5
11 27	3 13.54	+17 42.4	1.867	2.834	4.9	19.8
12 7	3 6.03	+16 36.7	1.943	2.859	8.8	20.1
12 17	3 0.66	+15 42.5	2.044	2.884	12.1	20.4

481687 2008 AT_{18} 11 15.6 235.°10 1.°6/16.6 17

10 8	3 52.08	+24 38.1	2.279	3.055	13.7	22.5
10 18	3 47.49	+24 38.7	2.180	3.046	11.0	22.3
10 28	3 40.63	+24 29.4	2.103	3.036	7.7	22.1
11 7	3 32.05	+24 10.1	2.052	3.026	4.2	21.8
11 17	3 22.57	+23 41.6	2.030	3.016	1.6	21.6
11 27	3 13.21	+23 6.7	2.038	3.005	4.5	21.8
12 7	3 4.97	+22 29.7	2.074	2.994	8.1	22.0
12 17	2 58.61	+21 55.1	2.137	2.983	11.4	22.2

390085 2012 UU_{148} 11 15.6 351.°51 1.°0/15.0 14 C

10 8	3 43.60	+17 14.4	1.934	2.753	14.3	20.5
10 18	3 41.13	+16 59.7	1.847	2.741	11.2	20.3
10 28	3 36.44	+16 39.0	1.781	2.731	7.6	20.1
11 7	3 30.10	+16 14.1	1.740	2.722	3.6	19.8
11 17	3 22.90	+15 47.8	1.726	2.714	1.3	19.6
11 27	3 15.85	+15 23.8	1.740	2.707	5.2	19.9
12 7	3 9.92	+15 5.9	1.781	2.701	9.2	20.1
12 17	3 5.84	+14 56.8	1.846	2.697	12.7	20.3

478530 2012 TB_{2} 11 15.6 68.°56 3.°3/17.1 16

10 8	3 59.05	+26 21.6	1.520	2.308	18.9	21.4
10 18	3 53.65	+26 52.6	1.464	2.334	15.1	21.2
10 28	3 45.03	+27 10.1	1.428	2.360	10.8	21.0
11 7	3 34.11	+27 11.8	1.415	2.385	6.2	20.8
11 17	3 22.27	+26 57.9	1.428	2.411	3.3	20.7
11 27	3 11.10	+26 31.9	1.470	2.437	6.0	20.9
12 7	3 1.96	+26 0.2	1.538	2.462	10.1	21.2
12 17	2 55.73	+25 29.4	1.630	2.487	13.8	21.5

153714 2001 UM_{96} 11 15.6 45.°43 1.°8/14.8 18

10 8	3 53.43	+16 7.1	1.264	2.094	19.7	20.2
10 18	3 49.52	+15 47.9	1.212	2.112	15.3	20.0
10 28	3 42.35	+15 21.9	1.179	2.131	10.3	19.8
11 7	3 32.87	+14 52.3	1.168	2.150	4.9	19.5
11 17	3 22.48	+14 23.4	1.183	2.170	2.2	19.4
11 27	3 12.77	+14 0.5	1.225	2.191	7.0	19.8
12 7	3 5.10	+13 48.0	1.291	2.212	11.9	20.1
12 17	3 0.29	+13 48.6	1.378	2.233	16.0	20.4

134045 2004 XE_{22} 11 15.6 4.°11 1.°1/15.1 17

10 8	3 45.18	+17 20.0	1.401	2.237	17.8	18.8
10 18	3 43.08	+17 7.6	1.332	2.236	13.9	18.6
10 28	3 38.10	+16 47.8	1.283	2.237	9.4	18.3
11 7	3 30.96	+16 22.8	1.258	2.240	4.4	18.0
11 17	3 22.78	+15 56.4	1.257	2.245	1.5	17.9
11 27	3 14.95	+15 33.4	1.282	2.251	6.3	18.2
12 7	3 8.72	+15 18.3	1.332	2.258	11.1	18.5
12 17	3 4.97	+15 14.5	1.403	2.267	15.2	18.8

316106 2009 PM 11 15.6 154.°79 0.°9/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 57.18	+22 47.1	1.908	2.690	15.8	22.1
10 18	3 51.65	+22 35.3	1.828	2.699	12.5	21.9
10 28	3 43.47	+22 12.7	1.770	2.707	8.6	21.7
11 7	3 33.37	+21 39.9	1.737	2.715	4.3	21.4
11 17	3 22.39	+20 58.9	1.734	2.722	1.0	21.2
11 27	3 11.79	+20 13.9	1.760	2.728	5.0	21.5
12 7	3 2.69	+19 30.4	1.815	2.733	9.2	21.8
12 17	2 55.92	+18 53.4	1.895	2.737	12.8	22.0

83071 2001 QO_{214} 11 15.6 186.°31 0.°7/15.2 18

10 8	3 50.87	+18 28.2	2.063	2.861	14.2	20.2
10 18	3 46.55	+18 7.4	1.979	2.861	11.1	20.0
10 28	3 39.96	+17 39.4	1.916	2.861	7.5	19.7
11 7	3 31.72	+17 5.9	1.880	2.861	3.5	19.5
11 17	3 22.67	+16 29.7	1.872	2.860	1.0	19.3
11 27	3 13.85	+15 54.6	1.894	2.860	5.0	19.6
12 7	3 6.25	+15 24.8	1.944	2.859	8.9	19.8
12 17	3 0.58	+15 3.6	2.019	2.858	12.3	20.0

473533 2015 XK_{170} 11 15.6 323.°09 1.°7/14.7 18

10 8	3 50.76	+14 3.0	2.152	2.954	13.6	21.1
10 18	3 46.35	+13 55.9	2.068	2.953	10.6	20.9
10 28	3 39.78	+13 46.1	2.006	2.952	7.2	20.7
11 7	3 31.62	+13 35.3	1.971	2.951	3.5	20.5
11 17	3 22.69	+13 25.6	1.964	2.950	1.9	20.3
11 27	3 13.94	+13 19.8	1.988	2.949	5.2	20.6
12 7	3 6.30	+13 20.2	2.039	2.948	8.9	20.8
12 17	3 0.49	+13 28.7	2.115	2.947	12.1	21.0

490881 2011 BK_{28} 11 15.6 253.°44 7.°1/10.0 18

10 8	3 48.41	− 4 26.2	2.659	3.444	11.7	22.2
10 18	3 44.08	− 5 22.9	2.573	3.428	9.9	22.1
10 28	3 38.04	− 6 13.1	2.511	3.413	8.2	21.9
11 7	3 30.75	− 6 51.9	2.474	3.397	7.2	21.8
11 17	3 22.84	− 7 15.0	2.465	3.380	7.4	21.8
11 27	3 15.02	− 7 19.5	2.484	3.364	8.9	21.9
12 7	3 8.03	− 7 4.4	2.528	3.347	10.8	22.0
12 17	3 2.43	− 6 30.8	2.595	3.330	12.8	22.1

315063 2007 DP_{31} 11 15.6 138.°90 1.°9/14.2 18

10 8	3 49.45	+13 55.6	2.672	3.464	11.5	21.6
10 18	3 44.76	+13 25.6	2.594	3.474	8.9	21.5
10 28	3 38.40	+12 52.4	2.541	3.484	6.0	21.3
11 7	3 30.87	+12 18.4	2.515	3.493	3.1	21.1
11 17	3 22.83	+11 46.0	2.519	3.502	2.1	21.1
11 27	3 15.02	+11 18.4	2.555	3.511	4.7	21.3
12 7	3 8.14	+10 58.0	2.619	3.519	7.6	21.5
12 17	3 2.73	+10 46.6	2.710	3.527	10.2	21.7

326633 2002 SU_{5} 11 15.6 64.°85 0.°6/15.3 16

10 8	3 56.61	+19 44.1	1.320	2.136	19.7	21.3
10 18	3 51.80	+19 19.5	1.271	2.163	15.4	21.1
10 28	3 43.74	+18 44.3	1.241	2.189	10.3	20.9
11 7	3 33.47	+18 0.9	1.235	2.216	4.8	20.7
11 17	3 22.42	+17 13.8	1.254	2.243	1.1	20.5
11 27	3 12.18	+16 29.4	1.301	2.269	6.4	20.9
12 7	3 4.07	+15 53.6	1.374	2.295	11.2	21.3
12 17	2 58.85	+15 30.7	1.469	2.321	15.3	21.6

454999 2015 TH_{246} 11 15.6 68.°22 0.°6/15.9 17

10 8	3 51.55	+21 42.3	1.885	2.681	15.4	21.6
10 18	3 47.28	+21 33.3	1.809	2.689	12.2	21.4
10 28	3 40.53	+21 14.8	1.755	2.698	8.3	21.2
11 7	3 32.00	+20 47.7	1.727	2.706	4.1	20.9
11 17	3 22.64	+20 14.2	1.726	2.714	0.8	20.7
11 27	3 13.62	+19 38.2	1.754	2.723	4.9	21.0
12 7	3 6.00	+19 4.4	1.810	2.732	9.0	21.3
12 17	3 0.53	+18 37.2	1.891	2.740	12.5	21.5

236635 2006 KS_{33} 11 15.6 81.°71 0.°9/15.1 18

10 8	3 53.35	+18 26.9	1.807	2.609	15.8	20.7
10 18	3 48.51	+17 57.7	1.745	2.630	12.3	20.5
10 28	3 41.22	+17 20.8	1.705	2.651	8.2	20.3
11 7	3 32.25	+16 38.6	1.691	2.672	3.8	20.1
11 17	3 22.62	+15 54.6	1.705	2.692	1.3	20.0
11 27	3 13.48	+15 13.6	1.748	2.713	5.4	20.3
12 7	3 5.86	+14 40.1	1.818	2.733	9.4	20.6
12 17	3 0.43	+14 17.3	1.914	2.753	12.9	20.9

50616 2000 EH_{61} 11 15.6 191.°15 0.°8/15.1 18

10 8	3 50.93	+18 34.3	2.078	2.875	14.2	19.5
10 18	3 46.58	+18 6.4	1.992	2.875	11.1	19.3
10 28	3 39.98	+17 30.8	1.929	2.874	7.5	19.1
11 7	3 31.73	+16 49.5	1.892	2.873	3.5	18.8
11 17	3 22.69	+16 5.5	1.884	2.872	1.1	18.6
11 27	3 13.89	+15 23.1	1.905	2.870	5.1	18.9
12 7	3 6.29	+14 46.6	1.955	2.868	8.9	19.1
12 17	3 0.62	+14 19.7	2.030	2.867	12.3	19.4

4924 Hiltner 11 15.6 57°.70 1°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 56.85	+18 27.9	1.082	1.915	22.1	17.7
10 18	3 52.54	+17 58.5	1.038	1.939	17.2	17.5
10 28	3 44.50	+17 18.2	1.012	1.964	11.5	17.3
11 7	3 33.89	+16 30.9	1.007	1.990	5.3	17.0
11 17	3 22.37	+15 42.1	1.028	2.015	1.8	16.9
11 27	3 11.82	+14 59.2	1.073	2.041	7.4	17.3
12 7	3 3.75	+14 28.6	1.142	2.067	12.7	17.7
12 17	2 58.97	+14 13.9	1.233	2.092	17.2	18.1

235867 2005 AS_{77} 11 15.6 210°.58 4°.2/12.8 17

10 8	3 48.28	+ 6 8.4	2.495	3.296	12.0	20.9
10 18	3 44.02	+ 5 34.4	2.414	3.294	9.5	20.7
10 28	3 38.01	+ 5 1.8	2.356	3.293	6.8	20.6
11 7	3 30.73	+ 4 34.1	2.326	3.291	4.6	20.4
11 17	3 22.86	+ 4 14.4	2.324	3.290	4.4	20.4
11 27	3 15.16	+ 4 5.7	2.352	3.288	6.4	20.5
12 7	3 8.38	+ 4 9.4	2.408	3.287	9.1	20.7
12 17	3 3.09	+ 4 25.9	2.488	3.285	11.6	20.9

290053 2005 QY_{53} 11 15.6 338°.68 5°.9/12.2 18

10 8	3 47.53	+ 6 30.9	1.735	2.559	15.4	20.0
10 18	3 44.26	+ 5 29.4	1.659	2.552	12.3	19.8
10 28	3 38.59	+ 4 27.9	1.604	2.546	9.0	19.6
11 7	3 31.13	+ 3 32.5	1.575	2.541	6.3	19.4
11 17	3 22.79	+ 2 49.4	1.571	2.536	6.3	19.4
11 27	3 14.69	+ 2 23.6	1.595	2.531	8.9	19.5
12 7	3 7.87	+ 2 18.0	1.643	2.527	12.3	19.7
12 17	3 3.11	+ 2 32.8	1.714	2.524	15.4	19.9

516629 2008 CZ_{170} 11 15.6 188°.19 3°.9/12.8 18

10 8	3 49.42	+ 9 9.7	2.303	3.106	12.8	22.2
10 18	3 45.06	+ 8 17.4	2.221	3.105	10.0	22.0
10 28	3 38.78	+ 7 23.5	2.164	3.104	7.1	21.9
11 7	3 31.11	+ 6 32.1	2.133	3.103	4.5	21.7
11 17	3 22.80	+ 5 47.4	2.131	3.102	4.2	21.7
11 27	3 14.70	+ 5 13.4	2.159	3.100	6.6	21.8
12 7	3 7.63	+ 4 53.0	2.215	3.098	9.5	22.0
12 17	3 2.20	+ 4 47.3	2.295	3.096	12.3	22.2

201189 2002 PV_{73} 11 15.6 132°.60 2°.6/13.5 18

10 8	3 47.54	+13 5.0	2.540	3.340	11.8	20.6
10 18	3 43.39	+12 12.4	2.462	3.346	9.2	20.4
10 28	3 37.53	+11 16.0	2.407	3.351	6.2	20.2
11 7	3 30.49	+10 19.1	2.380	3.357	3.4	20.0
11 17	3 22.91	+ 9 25.5	2.383	3.362	2.8	20.0
11 27	3 15.57	+ 8 39.0	2.417	3.367	5.3	20.2
12 7	3 9.17	+ 8 3.0	2.479	3.372	8.2	20.4
12 17	3 4.25	+ 7 39.2	2.566	3.377	10.9	20.6

186424 2002 RA_{24} 11 15.6 30°.50 1°.4/16.2 18

10 8	3 51.32	+22 44.0	1.009	1.850	22.7	19.4
10 18	3 48.76	+22 44.0	0.963	1.867	18.0	19.2
10 28	3 42.27	+22 28.5	0.933	1.885	12.3	19.0
11 7	3 32.96	+21 58.2	0.924	1.905	6.1	18.7
11 17	3 22.52	+21 17.1	0.937	1.925	1.5	18.5
11 27	3 12.92	+20 32.2	0.975	1.947	6.9	18.9
12 7	3 5.80	+19 52.0	1.035	1.970	12.5	19.3
12 17	3 2.06	+19 23.0	1.117	1.994	17.1	19.6

453759 2011 DF_{50} 11 15.6 302°.02 3°.8/12.6 17

10 8	3 46.63	+12 26.6	2.092	2.905	13.5	20.9
10 18	3 43.32	+11 10.1	1.990	2.881	10.7	20.7
10 28	3 37.87	+ 9 46.3	1.911	2.857	7.4	20.4
11 7	3 30.79	+ 8 19.9	1.859	2.834	4.5	20.2
11 17	3 22.84	+ 6 56.9	1.836	2.810	4.2	20.1
11 27	3 14.97	+ 5 44.0	1.842	2.787	7.2	20.3
12 7	3 8.11	+ 4 46.4	1.874	2.763	10.7	20.4
12 17	3 3.01	+ 4 7.5	1.931	2.740	14.0	20.6

74205 1998 RS_{58} 11 15.6 335°.78 2°.4/16.7 18

10 8	3 48.64	+24 12.0	1.430	2.246	18.5	18.8
10 18	3 46.21	+24 28.6	1.343	2.232	14.9	18.5
10 28	3 40.55	+24 32.9	1.274	2.218	10.6	18.2
11 7	3 32.30	+24 23.8	1.228	2.205	5.8	17.9
11 17	3 22.58	+24 1.5	1.207	2.194	2.4	17.7
11 27	3 12.98	+23 29.8	1.212	2.183	6.2	17.9
12 7	3 5.03	+22 55.0	1.241	2.173	11.2	18.1
12 17	2 59.88	+22 23.8	1.293	2.164	15.7	18.4

342305 2008 TM_{60} 11 15.6 151°.03 3°.3/13.6 18

10 8	3 52.15	+12 48.6	1.844	2.653	15.2	21.6
10 18	3 47.66	+11 57.5	1.769	2.658	11.9	21.4
10 28	3 40.75	+11 1.7	1.716	2.662	8.1	21.2
11 7	3 32.10	+10 5.5	1.689	2.666	4.5	21.0
11 17	3 22.66	+ 9 13.9	1.691	2.670	3.6	20.9
11 27	3 13.55	+ 8 32.0	1.721	2.674	6.9	21.1
12 7	3 5.80	+ 8 4.0	1.778	2.677	10.6	21.4
12 17	3 0.15	+ 7 51.7	1.859	2.679	14.0	21.6

294223 2007 UE_{18} 11 15.6 44°.53 6°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.95	+ 7 11.2	1.552	2.381	16.7	20.3
10 18	3 45.41	+ 5 42.3	1.495	2.392	13.2	20.1
10 28	3 39.31	+ 4 13.2	1.460	2.403	9.6	20.0
11 7	3 31.41	+ 2 51.5	1.449	2.414	6.9	19.8
11 17	3 22.78	+ 1 45.1	1.465	2.426	7.0	19.9
11 27	3 14.61	+ 1 0.1	1.506	2.439	9.7	20.1
12 7	3 7.97	+ 0 39.5	1.572	2.451	13.0	20.3
12 17	3 3.56	+ 0 42.8	1.660	2.464	16.1	20.5

375679 2009 HO_{37} 11 15.6 139°.06 0°.9/15.2 16

10 8	3 58.97	+16 52.2	1.726	2.522	16.7	21.8
10 18	3 53.21	+16 50.1	1.653	2.534	13.1	21.6
10 28	3 44.61	+16 42.5	1.602	2.546	8.8	21.4
11 7	3 33.96	+16 30.4	1.576	2.556	4.1	21.1
11 17	3 22.36	+16 15.9	1.579	2.567	1.2	20.9
11 27	3 11.17	+16 2.3	1.611	2.576	5.8	21.2
12 7	3 1.62	+15 53.4	1.671	2.584	10.2	21.5
12 17	2 54.56	+15 52.4	1.755	2.592	13.9	21.8

1974 Caupolican 11 15.6 145°.95 3°.6/12.7 18

10 8	3 47.59	+ 8 25.6	2.613	3.413	11.5	18.5
10 18	3 43.37	+ 7 36.9	2.536	3.418	9.0	18.3
10 28	3 37.50	+ 6 47.8	2.484	3.423	6.4	18.1
11 7	3 30.47	+ 6 1.5	2.459	3.428	4.1	18.0
11 17	3 22.93	+ 5 21.9	2.464	3.432	3.9	18.0
11 27	3 15.61	+ 4 52.1	2.498	3.436	6.0	18.1
12 7	3 9.17	+ 4 34.4	2.560	3.440	8.6	18.3
12 17	3 4.16	+ 4 29.7	2.648	3.444	11.0	18.5

306004 2010 CZ_9 11 15.6 203°.83 0°.2/15.7 18

10 8	3 54.58	+19 16.7	2.059	2.848	14.5	20.9
10 18	3 49.58	+19 23.8	1.969	2.845	11.5	20.6
10 28	3 42.12	+19 24.9	1.901	2.842	7.9	20.4
11 7	3 32.81	+19 20.1	1.859	2.838	3.8	20.2
11 17	3 22.54	+19 10.6	1.846	2.834	0.6	19.9
11 27	3 12.42	+18 58.8	1.863	2.830	4.9	20.2
12 7	3 3.55	+18 48.2	1.908	2.825	8.9	20.5
12 17	2 56.74	+18 41.9	1.979	2.820	12.4	20.7

517379 2014 KQ_{74} 11 15.6 58°.86 3°.9/13.3 18

10 8	3 49.93	+10 29.2	1.859	2.673	14.9	21.2
10 18	3 45.90	+ 9 43.9	1.786	2.677	11.7	21.0
10 28	3 39.55	+ 8 56.5	1.736	2.682	8.1	20.8
11 7	3 31.54	+ 8 11.4	1.712	2.686	4.8	20.6
11 17	3 22.76	+ 7 33.1	1.715	2.691	4.2	20.6
11 27	3 14.30	+ 7 6.2	1.746	2.695	7.1	20.8
12 7	3 7.13	+ 6 53.7	1.804	2.700	10.6	21.0
12 17	3 1.96	+ 6 56.6	1.885	2.705	13.8	21.2

178305 1994 GL_8 11 15.6 91°.11 2°.9/17.2 18

10 8	3 57.47	+27 25.1	1.554	2.340	18.6	20.4
10 18	3 52.43	+27 26.4	1.490	2.359	14.9	20.2
10 28	3 44.24	+27 11.9	1.445	2.377	10.6	20.0
11 7	3 33.79	+26 40.6	1.424	2.396	6.0	19.7
11 17	3 22.41	+25 54.2	1.430	2.414	2.9	19.6
11 27	3 11.65	+24 57.9	1.463	2.432	5.8	19.8
12 7	3 2.85	+23 59.4	1.524	2.449	10.1	20.1
12 17	2 56.85	+23 6.1	1.609	2.466	13.9	20.4

295358 2008 HD_{36} 11 15.6 168°.60 1°.8/14.4 18

10 8	3 49.94	+14 43.6	2.385	3.182	12.6	21.7
10 18	3 45.45	+14 16.1	2.302	3.184	9.8	21.6
10 28	3 39.03	+13 44.6	2.241	3.186	6.6	21.4
11 7	3 31.25	+13 11.2	2.208	3.188	3.3	21.2
11 17	3 22.82	+12 38.9	2.205	3.189	2.0	21.1
11 27	3 14.60	+12 10.9	2.231	3.190	5.0	21.3
12 7	3 7.39	+11 50.4	2.286	3.191	8.3	21.5
12 17	3 1.83	+11 39.3	2.367	3.192	11.2	21.7

349705 2008 XX_{51} 11 15.6 30°.22 1°.7/15.3 18

10 8	3 58.88	+11 19.2	1.120	1.953	21.5	18.6
10 18	3 54.16	+12 15.6	1.073	1.974	16.8	18.4
10 28	3 45.70	+13 14.7	1.045	1.996	11.4	18.2
11 7	3 34.55	+14 15.9	1.039	2.020	5.4	18.0
11 17	3 22.30	+15 17.6	1.058	2.045	2.0	17.8
11 27	3 10.83	+16 18.7	1.103	2.072	7.2	18.2
12 7	3 1.76	+17 19.5	1.173	2.099	12.3	18.6
12 17	2 56.03	+18 20.6	1.266	2.127	16.7	18.9

416291 2003 QZ_{86} 11 15.6 58°.18 2°.8/17.4 18

10 8	3 51.27	+27 49.8	2.121	2.894	14.7	20.9
10 18	3 46.93	+27 59.9	2.044	2.905	11.8	20.7
10 28	3 40.24	+27 58.0	1.989	2.915	8.5	20.5
11 7	3 31.87	+27 43.2	1.958	2.926	5.1	20.3
11 17	3 22.72	+27 16.5	1.956	2.937	2.8	20.2
11 27	3 13.89	+26 40.6	1.983	2.949	4.8	20.3
12 7	3 6.36	+26 0.4	2.038	2.960	8.1	20.6
12 17	3 0.86	+25 20.9	2.118	2.971	11.2	20.8

257126 2008 GH_{106} 11 15.6 352°.80 0°.2/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.57	+19 52.9	1.904	2.708	15.0	21.0
10 18	3 45.79	+19 36.4	1.821	2.706	11.8	20.8
10 28	3 39.59	+19 11.3	1.759	2.705	8.0	20.6
11 7	3 31.61	+18 39.2	1.723	2.704	3.8	20.3
11 17	3 22.76	+18 2.7	1.715	2.703	0.7	20.1
11 27	3 14.14	+17 25.9	1.735	2.703	5.1	20.4
12 7	3 6.81	+16 53.5	1.782	2.702	9.2	20.6
12 17	3 1.55	+16 29.2	1.855	2.702	12.8	20.9

298071 2002 QV_{110} 11 15.6 114°.06 0°.4/15.4 18

10 8	3 52.49	+18 41.8	1.854	2.655	15.5	21.0
10 18	3 48.10	+18 34.7	1.773	2.657	12.2	20.8
10 28	3 41.18	+18 20.6	1.714	2.659	8.2	20.6
11 7	3 32.37	+18 0.5	1.680	2.661	3.9	20.3
11 17	3 22.64	+17 36.8	1.674	2.662	0.8	20.1
11 27	3 13.18	+17 13.1	1.697	2.664	5.3	20.4
12 7	3 5.08	+16 53.2	1.747	2.666	9.5	20.7
12 17	2 59.18	+16 40.9	1.823	2.667	13.1	20.9

478940 2012 XL_{34} 11 15.6 26°.14 2°.4/14.7 18

10 8	3 52.62	+13 19.0	1.382	2.209	18.4	20.4
10 18	3 48.85	+13 17.5	1.317	2.216	14.5	20.1
10 28	3 41.97	+13 13.6	1.273	2.224	9.8	19.9
11 7	3 32.81	+13 9.7	1.252	2.233	4.9	19.6
11 17	3 22.57	+13 8.6	1.256	2.242	2.7	19.5
11 27	3 12.78	+13 13.7	1.287	2.252	7.0	19.8
12 7	3 4.78	+13 27.6	1.344	2.263	11.7	20.1
12 17	2 59.48	+13 51.9	1.422	2.274	15.8	20.4

88462 2001 QM_{99} 11 15.6 343°.32 5°.9/18.0 18 R

10 8	3 46.05	+29 28.6	1.136	1.961	21.8	17.4
10 18	3 45.19	+30 12.0	1.057	1.945	18.1	17.1
10 28	3 40.45	+30 37.2	0.994	1.931	13.6	16.8
11 7	3 32.46	+30 39.4	0.950	1.919	8.9	16.5
11 17	3 22.59	+30 16.4	0.928	1.908	5.9	16.3
11 27	3 12.84	+29 31.2	0.930	1.898	8.1	16.4
12 7	3 5.22	+28 32.9	0.953	1.891	12.9	16.6
12 17	3 1.10	+27 32.6	0.997	1.885	17.8	16.9

76601 2000 GL_{159} 11 15.6 223°.67 0°.7/14.9 18

10 8	3 47.88	+19 14.0	2.854	3.638	11.0	20.0
10 18	3 43.60	+18 29.4	2.754	3.630	8.6	19.8
10 28	3 37.69	+17 37.5	2.679	3.621	5.8	19.6
11 7	3 30.60	+16 40.2	2.632	3.612	2.7	19.4
11 17	3 22.95	+15 40.4	2.616	3.603	1.0	19.2
11 27	3 15.44	+14 41.8	2.631	3.594	4.0	19.4
12 7	3 8.77	+13 48.3	2.676	3.584	7.1	19.6
12 17	3 3.47	+13 3.1	2.749	3.574	9.8	19.8

313975 2004 TU_{58} 11 15.6 123°.53 0°.6/15.2 18

10 8	3 50.08	+18 31.1	2.347	3.139	12.9	21.4
10 18	3 45.60	+18 10.8	2.267	3.146	10.1	21.2
10 28	3 39.15	+17 44.2	2.210	3.153	6.8	21.0
11 7	3 31.31	+17 12.9	2.180	3.160	3.2	20.8
11 17	3 22.84	+16 39.4	2.179	3.167	0.9	20.6
11 27	3 14.62	+16 6.9	2.209	3.174	4.4	20.9
12 7	3 7.48	+15 38.9	2.267	3.181	7.9	21.1
12 17	3 2.03	+15 18.3	2.352	3.187	10.9	21.4

218163 2002 RH_{225} 11 15.6 35°.70 2°.2/14.5 18

10 8	3 50.48	+18 7.4	1.208	2.044	20.0	20.2
10 18	3 47.49	+17 12.7	1.150	2.054	15.7	19.9
10 28	3 41.16	+16 6.1	1.111	2.065	10.5	19.7
11 7	3 32.42	+14 52.4	1.094	2.076	5.0	19.4
11 17	3 22.67	+13 39.0	1.102	2.088	2.6	19.3
11 27	3 13.53	+12 34.7	1.136	2.101	7.6	19.6
12 7	3 6.42	+11 46.6	1.193	2.114	12.7	20.0
12 17	3 2.20	+11 18.5	1.272	2.128	17.0	20.3

305885 2009 FV_{17} 11 15.6 108°.80 1°.9/16.6 18

10 8	3 54.08	+23 45.1	1.946	2.731	15.4	20.7
10 18	3 49.36	+24 3.2	1.864	2.735	12.3	20.5
10 28	3 42.04	+24 12.1	1.804	2.740	8.6	20.3
11 7	3 32.80	+24 11.0	1.769	2.744	4.6	20.0
11 17	3 22.59	+24 0.1	1.762	2.748	1.9	19.9
11 27	3 12.64	+23 42.0	1.784	2.752	4.9	20.1
12 7	3 4.07	+23 20.8	1.834	2.756	8.9	20.3
12 17	2 57.73	+23 1.3	1.910	2.760	12.4	20.5

121361 1999 TJ_{60} 11 15.6 13°.45 0°.5/15.9 18

10 8	3 49.36	+21 20.0	1.869	2.671	15.3	19.9
10 18	3 45.67	+21 11.1	1.789	2.673	12.1	19.7
10 28	3 39.54	+20 52.9	1.731	2.675	8.3	19.5
11 7	3 31.60	+20 26.4	1.698	2.678	4.0	19.3
11 17	3 22.79	+19 53.9	1.693	2.681	0.7	19.0
11 27	3 14.26	+19 19.2	1.716	2.685	5.0	19.3
12 7	3 7.06	+18 47.1	1.766	2.689	9.1	19.6
12 17	3 1.96	+18 21.7	1.841	2.693	12.7	19.8

470994 2009 SY_{129} 11 15.6 71°.41 3°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.32	+13 24.0	1.418	2.242	18.2	21.9
10 18	3 49.09	+12 27.6	1.361	2.258	14.2	21.6
10 28	3 41.92	+11 25.8	1.324	2.274	9.6	21.4
11 7	3 32.69	+10 24.1	1.311	2.290	5.2	21.2
11 17	3 22.64	+ 9 28.8	1.325	2.306	4.1	21.2
11 27	3 13.19	+ 8 46.3	1.366	2.322	7.9	21.5
12 7	3 5.54	+ 8 21.0	1.432	2.338	12.1	21.8
12 17	3 0.48	+ 8 14.4	1.520	2.354	15.9	22.0

49524 1999 CJ_{39} 11 15.6 332°.49 3°.8/18.0 17

10 8	3 50.95	+30 17.7	2.293	3.053	14.1	18.9
10 18	3 46.75	+30 42.9	2.201	3.050	11.6	18.7
10 28	3 40.23	+30 56.4	2.130	3.046	8.6	18.6
11 7	3 31.94	+30 56.2	2.084	3.043	5.7	18.4
11 17	3 22.75	+30 42.0	2.066	3.040	3.8	18.2
11 27	3 13.70	+30 15.5	2.077	3.038	5.1	18.3
12 7	3 5.82	+29 40.8	2.116	3.035	8.0	18.5
12 17	2 59.88	+29 3.1	2.181	3.033	11.0	18.7

373929 2003 UV_{248} 11 15.6 339°.15 2°.1/14.9 18

10 8	3 53.15	+14 7.7	1.213	2.049	20.0	20.3
10 18	3 50.00	+14 12.7	1.139	2.042	15.9	20.0
10 28	3 43.25	+14 14.8	1.082	2.035	10.9	19.7
11 7	3 33.64	+14 16.0	1.048	2.030	5.3	19.4
11 17	3 22.47	+14 18.9	1.038	2.025	2.4	19.2
11 27	3 11.54	+14 27.0	1.053	2.020	7.6	19.5
12 7	3 2.55	+14 43.7	1.092	2.017	13.1	19.8
12 17	2 56.70	+15 11.1	1.152	2.014	17.9	20.1

383109 2005 SO_{203} 11 15.6 32°.88 0°.5/15.4 18

10 8	3 53.08	+17 48.6	1.147	1.983	20.9	20.4
10 18	3 49.72	+17 53.8	1.094	1.997	16.4	20.2
10 28	3 42.78	+17 51.1	1.060	2.013	11.1	19.9
11 7	3 33.24	+17 41.9	1.047	2.029	5.2	19.7
11 17	3 22.57	+17 29.1	1.058	2.047	1.1	19.4
11 27	3 12.58	+17 17.0	1.095	2.065	6.9	19.9
12 7	3 4.80	+17 10.8	1.156	2.084	12.1	20.2
12 17	3 0.15	+17 13.9	1.238	2.104	16.6	20.6

368044 2012 HP_{21} 11 15.6 105°.13 3°.5/13.4 18

10 8	3 49.45	+ 8 5.8	2.406	3.207	12.4	20.4
10 18	3 44.98	+ 7 40.6	2.331	3.213	9.7	20.2
10 28	3 38.69	+ 7 16.1	2.279	3.219	6.8	20.0
11 7	3 31.10	+ 6 55.4	2.253	3.224	4.2	19.9
11 17	3 22.92	+ 6 41.1	2.257	3.230	3.8	19.9
11 27	3 14.96	+ 6 36.1	2.291	3.236	6.0	20.0
12 7	3 8.00	+ 6 41.7	2.352	3.241	8.8	20.2
12 17	3 2.61	+ 6 58.6	2.439	3.246	11.5	20.4

402163 2004 RB_{241} 11 15.6 41°.48 0°.8/15.1 18

10 8	3 49.45	+18 14.1	2.008	2.811	14.4	21.6
10 18	3 45.48	+17 52.4	1.930	2.816	11.2	21.4
10 28	3 39.27	+17 23.8	1.875	2.821	7.6	21.2
11 7	3 31.45	+16 50.2	1.845	2.826	3.5	20.9
11 17	3 22.87	+16 14.4	1.844	2.831	1.1	20.8
11 27	3 14.58	+15 40.4	1.871	2.837	5.0	21.0
12 7	3 7.52	+15 12.2	1.926	2.843	8.9	21.3
12 17	3 2.38	+14 53.0	2.007	2.848	12.2	21.5

355143 2006 UL_{304} 11 15.6 17°.75 1°.8/14.7 18

10 8	3 50.16	+15 48.7	1.698	2.513	16.1	21.2
10 18	3 46.45	+15 23.9	1.623	2.515	12.6	21.0
10 28	3 40.14	+14 53.0	1.569	2.518	8.5	20.8
11 7	3 31.92	+14 19.0	1.540	2.521	4.1	20.5
11 17	3 22.79	+13 45.4	1.538	2.524	2.1	20.4
11 27	3 13.98	+13 16.8	1.564	2.527	6.1	20.7
12 7	3 6.59	+12 57.4	1.616	2.531	10.4	20.9
12 17	3 1.44	+12 49.8	1.692	2.535	14.1	21.2

35715 1999 FD_{32} 11 15.6 182°.38 1°.5/14.7 18 R

10 8	3 53.79	+16 2.8	2.058	2.853	14.3	19.9
10 18	3 48.82	+15 37.7	1.973	2.854	11.2	19.6
10 28	3 41.52	+15 7.1	1.910	2.854	7.6	19.4
11 7	3 32.53	+14 33.0	1.874	2.854	3.7	19.2
11 17	3 22.70	+13 58.4	1.867	2.853	1.8	19.1
11 27	3 13.12	+13 27.3	1.890	2.852	5.5	19.3
12 7	3 4.77	+13 3.4	1.942	2.850	9.3	19.5
12 17	2 58.42	+12 49.7	2.018	2.848	12.7	19.7

394477 2007 TY_{39} 11 15.6 141°.72 1°.5/14.7 18

10 8	3 51.85	+16 48.0	2.052	2.851	14.3	21.4
10 18	3 47.24	+16 13.1	1.974	2.858	11.1	21.2
10 28	3 40.39	+15 31.6	1.919	2.864	7.5	21.0
11 7	3 31.96	+14 46.1	1.890	2.870	3.6	20.8
11 17	3 22.80	+14 0.2	1.890	2.876	1.8	20.7
11 27	3 13.96	+13 18.3	1.920	2.882	5.4	21.0
12 7	3 6.36	+12 44.6	1.978	2.887	9.1	21.2
12 17	3 0.70	+12 21.9	2.061	2.892	12.4	21.4

13748 Radaly 11 15.6 28°.69 0°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.62	+19 34.8	2.007	2.809	14.4	18.5
10 18	3 44.86	+19 12.6	1.929	2.814	11.3	18.3
10 28	3 38.86	+18 42.4	1.874	2.819	7.6	18.1
11 7	3 31.26	+18 6.0	1.844	2.825	3.6	17.8
11 17	3 22.92	+17 26.2	1.843	2.831	0.8	17.6
11 27	3 14.87	+16 47.2	1.870	2.837	4.9	17.9
12 7	3 8.04	+16 13.2	1.925	2.844	8.7	18.2
12 17	3 3.13	+15 47.8	2.005	2.850	12.1	18.4

59275 1999 CC_{43} 11 15.6 330°.89 2°.2/16.9 17

10 8	3 48.78	+25 8.7	1.976	2.767	15.0	19.0
10 18	3 45.38	+25 20.9	1.881	2.754	12.1	18.8
10 28	3 39.50	+25 22.8	1.806	2.742	8.6	18.6
11 7	3 31.69	+25 13.6	1.757	2.731	4.8	18.3
11 17	3 22.85	+24 53.7	1.735	2.720	2.2	18.1
11 27	3 14.10	+24 25.8	1.741	2.709	5.0	18.3
12 7	3 6.57	+23 54.4	1.774	2.699	8.8	18.5
12 17	3 1.12	+23 24.5	1.832	2.690	12.5	18.7

317245 2002 CA_{258} 11 15.6 131°.11 1°.2/14.9 18

10 8	3 54.35	+17 0.4	2.068	2.861	14.4	21.8
10 18	3 49.11	+16 36.1	1.995	2.875	11.2	21.6
10 28	3 41.60	+16 5.7	1.945	2.888	7.5	21.4
11 7	3 32.52	+15 31.3	1.921	2.901	3.6	21.2
11 17	3 22.74	+14 56.0	1.926	2.913	1.5	21.0
11 27	3 13.33	+14 23.6	1.962	2.925	5.2	21.3
12 7	3 5.22	+13 57.7	2.026	2.936	8.9	21.6
12 17	2 59.11	+13 41.3	2.116	2.946	12.1	21.8

346670 2008 YF_{27} 11 15.6 4°.57 10°.1/12.5 18

10 8	3 50.88	− 2 17.0	1.268	2.099	19.6	19.3
10 18	3 47.64	− 3 0.8	1.210	2.099	16.2	19.1
10 28	3 41.25	− 3 31.7	1.170	2.099	12.9	18.9
11 7	3 32.54	− 3 41.5	1.151	2.101	10.5	18.8
11 17	3 22.73	− 3 24.0	1.155	2.103	10.3	18.8
11 27	3 13.37	− 2 36.5	1.183	2.107	12.6	18.9
12 7	3 5.80	− 1 21.5	1.234	2.113	15.8	19.1
12 17	3 0.97	+ 0 15.6	1.304	2.119	19.1	19.4

127791 2003 FP_{72} 11 15.6 80°.49 0°.7/15.9 18

10 8	3 54.39	+19 38.9	2.076	2.864	14.5	20.1
10 18	3 49.40	+20 4.1	1.993	2.868	11.4	19.9
10 28	3 42.00	+20 24.1	1.932	2.872	7.8	19.7
11 7	3 32.80	+20 38.5	1.898	2.877	3.8	19.4
11 17	3 22.69	+20 47.4	1.893	2.881	0.8	19.2
11 27	3 12.79	+20 52.5	1.917	2.885	4.7	19.5
12 7	3 4.13	+20 56.3	1.970	2.889	8.5	19.8
12 17	2 57.52	+21 1.8	2.049	2.894	11.9	20.0

329034 2011 AC_{32} 11 15.6 47°.43 4°.0/13.4 18

10 8	3 50.36	+ 7 4.7	2.166	2.970	13.4	20.1
10 18	3 45.93	+ 6 43.2	2.090	2.974	10.6	19.9
10 28	3 39.46	+ 6 23.6	2.037	2.977	7.5	19.8
11 7	3 31.54	+ 6 9.0	2.011	2.981	4.8	19.6
11 17	3 22.92	+ 6 2.4	2.013	2.985	4.3	19.6
11 27	3 14.55	+ 6 6.5	2.044	2.989	6.6	19.7
12 7	3 7.27	+ 6 22.5	2.102	2.992	9.7	19.9
12 17	3 1.74	+ 6 50.5	2.185	2.997	12.5	20.1

392938 2012 WP_{1} 11 15.6 147°.73 0°.1/15.6 18

10 8	3 53.56	+19 29.9	1.795	2.595	15.9	21.7
10 18	3 49.08	+19 23.4	1.714	2.597	12.6	21.5
10 28	3 41.93	+19 9.0	1.655	2.599	8.6	21.3
11 7	3 32.81	+18 47.7	1.621	2.601	4.1	21.0
11 17	3 22.71	+18 21.6	1.615	2.603	0.7	20.7
11 27	3 12.90	+17 54.5	1.637	2.605	5.4	21.1
12 7	3 4.53	+17 30.8	1.687	2.606	9.7	21.3
12 17	2 58.45	+17 14.6	1.761	2.608	13.4	21.6

373573 2001 YM_{13} 11 15.6 340°.77 1°.9/14.5 17

10 8	3 48.70	+12 59.6	2.363	3.164	12.5	20.6
10 18	3 44.61	+12 54.1	2.275	3.160	9.8	20.4
10 28	3 38.59	+12 46.8	2.211	3.156	6.7	20.2
11 7	3 31.15	+12 39.5	2.174	3.153	3.4	20.0
11 17	3 22.99	+12 34.3	2.165	3.149	2.1	19.9
11 27	3 14.99	+12 33.3	2.186	3.146	5.0	20.1
12 7	3 7.94	+12 38.6	2.236	3.144	8.3	20.3
12 17	3 2.51	+12 51.6	2.311	3.141	11.3	20.5

163325 2002 JZ_{120} 11 15.6 100°.31 6°.5/11.5 18

10 8	3 51.83	+ 3 56.9	1.900	2.708	14.9	20.5
10 18	3 47.13	+ 2 35.9	1.845	2.726	11.9	20.3
10 28	3 40.24	+ 1 17.8	1.812	2.744	8.9	20.2
11 7	3 31.87	+ 0 9.2	1.806	2.761	6.8	20.1
11 17	3 22.92	− 0 44.0	1.827	2.778	6.9	20.1
11 27	3 14.41	− 1 17.3	1.877	2.795	9.0	20.3
12 7	3 7.23	− 1 28.9	1.951	2.811	11.8	20.5
12 17	3 2.00	− 1 19.8	2.048	2.827	14.4	20.7

212498 2006 QS_{165} 11 15.6 165°.68 1°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.17	+24 20.6	2.055	2.839	14.8	20.8
10 18	3 47.73	+24 10.8	1.969	2.840	11.7	20.6
10 28	3 40.88	+23 50.0	1.906	2.842	8.2	20.3
11 7	3 32.28	+23 18.4	1.867	2.843	4.3	20.1
11 17	3 22.83	+22 37.9	1.857	2.844	1.4	19.9
11 27	3 13.65	+21 52.1	1.877	2.845	4.7	20.1
12 7	3 5.75	+21 6.3	1.924	2.846	8.5	20.4
12 17	2 59.91	+20 25.3	1.998	2.847	12.0	20.6

450596 2006 RE_{91} 11 15.6 117°.56 1°.6/16.6 18

10 8	3 54.09	+24 2.5	2.157	2.934	14.3	22.1
10 18	3 49.01	+24 6.8	2.080	2.947	11.4	21.9
10 28	3 41.62	+24 1.5	2.025	2.959	7.9	21.7
11 7	3 32.59	+23 46.6	1.996	2.971	4.2	21.5
11 17	3 22.80	+23 23.1	1.996	2.983	1.6	21.4
11 27	3 13.33	+22 53.9	2.026	2.994	4.5	21.6
12 7	3 5.16	+22 23.4	2.085	3.005	8.1	21.9
12 17	2 58.99	+21 55.6	2.170	3.016	11.3	22.1

284833 2009 BA_{38} 11 15.6 356°.61 3°.3/14.5 18

10 8	3 46.89	+12 43.9	1.171	2.021	19.7	19.4
10 18	3 45.05	+12 31.3	1.103	2.014	15.5	19.1
10 28	3 39.85	+12 15.6	1.054	2.010	10.7	18.8
11 7	3 32.05	+12 0.9	1.025	2.006	5.5	18.5
11 17	3 22.90	+11 51.6	1.020	2.005	3.6	18.4
11 27	3 14.06	+11 52.2	1.040	2.005	8.1	18.7
12 7	3 7.08	+12 6.2	1.082	2.007	13.2	19.0
12 17	3 3.01	+12 34.8	1.145	2.010	17.8	19.2

470142 2006 UT_{69} 11 15.6 6°.35 2°.9/14.6 18

10 8	3 48.72	+14 13.5	1.037	1.891	21.3	20.6
10 18	3 46.81	+13 57.4	0.977	1.890	16.8	20.3
10 28	3 41.18	+13 35.9	0.934	1.892	11.5	20.0
11 7	3 32.69	+13 13.1	0.912	1.894	5.7	19.7
11 17	3 22.80	+12 53.9	0.912	1.898	3.3	19.6
11 27	3 13.39	+12 44.0	0.936	1.903	8.4	19.9
12 7	3 6.13	+12 47.8	0.982	1.910	13.9	20.3
12 17	3 2.11	+13 7.3	1.048	1.918	18.6	20.6

115365 2003 SE_{251} 11 15.6 100°.58 1°.8/14.8 18

10 8	3 54.21	+16 59.4	1.436	2.254	18.3	19.9
10 18	3 50.10	+16 29.1	1.365	2.259	14.4	19.7
10 28	3 42.88	+15 50.2	1.314	2.263	9.7	19.4
11 7	3 33.34	+15 5.9	1.286	2.268	4.7	19.1
11 17	3 22.71	+14 20.6	1.285	2.272	2.1	19.0
11 27	3 12.50	+13 40.5	1.312	2.276	6.9	19.3
12 7	3 4.09	+13 11.0	1.363	2.281	11.7	19.6
12 17	2 58.39	+12 55.8	1.438	2.285	15.9	19.8

79850 1998 XD_{17} 11 15.6 35°.17 3°.4/14.2 18

10 8	3 51.50	+11 43.1	1.470	2.297	17.6	19.5
10 18	3 47.68	+11 21.0	1.412	2.309	13.7	19.3
10 28	3 41.04	+10 57.1	1.373	2.323	9.4	19.0
11 7	3 32.39	+10 35.2	1.358	2.337	5.0	18.8
11 17	3 22.87	+10 19.2	1.370	2.352	3.7	18.8
11 27	3 13.84	+10 13.2	1.408	2.367	7.3	19.0
12 7	3 6.47	+10 19.7	1.471	2.383	11.5	19.3
12 17	3 1.58	+10 39.4	1.557	2.399	15.2	19.6

426629 2013 SX_{62} 11 15.6 155°.46 1°.8/14.7 16

10 8	3 56.26	+16 24.3	1.660	2.464	16.8	22.2
10 18	3 51.26	+15 53.3	1.585	2.471	13.2	21.9
10 28	3 43.44	+15 15.1	1.531	2.477	8.9	21.7
11 7	3 33.54	+14 32.5	1.502	2.482	4.3	21.4
11 17	3 22.68	+13 49.4	1.501	2.487	2.2	21.3
11 27	3 12.21	+13 11.1	1.528	2.491	6.4	21.6
12 7	3 3.35	+12 42.5	1.583	2.495	10.8	21.9
12 17	2 56.95	+12 26.8	1.662	2.497	14.7	22.1

478873 2012 VZ_{97} 11 15.6 19°.11 11°.4/14.8 18

10 8	3 53.47	− 5 11.0	0.904	1.753	24.2	19.2
10 18	3 50.27	− 5 13.7	0.872	1.769	20.1	19.0
10 28	3 43.19	− 4 52.7	0.854	1.788	15.8	18.9
11 7	3 33.45	− 4 0.8	0.855	1.809	12.4	18.8
11 17	3 22.75	− 2 35.9	0.877	1.833	11.5	18.8
11 27	3 13.04	− 0 41.8	0.921	1.859	13.5	19.0
12 7	3 5.85	+ 1 33.1	0.987	1.886	16.9	19.3
12 17	3 2.00	+ 3 59.1	1.072	1.916	20.3	19.7

274391 2008 RT_{109} 11 15.6 109°.88 0°.7/15.2 18

10 8	3 54.62	+18 56.3	1.813	2.612	15.9	21.2
10 18	3 49.65	+18 29.5	1.744	2.627	12.4	21.0
10 28	3 42.15	+17 54.3	1.697	2.642	8.4	20.8
11 7	3 32.87	+17 12.9	1.676	2.656	3.9	20.6
11 17	3 22.82	+16 28.7	1.683	2.671	1.1	20.4
11 27	3 13.23	+15 46.4	1.719	2.684	5.4	20.8
12 7	3 5.13	+15 10.8	1.783	2.698	9.5	21.0
12 17	2 59.29	+14 45.6	1.871	2.711	13.1	21.3

158663 2003 EF_{27} 11 15.6 253°.98 0°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.48	+19 11.3	1.798	2.598	15.9	21.8
10 18	3 49.23	+18 54.7	1.701	2.585	12.6	21.6
10 28	3 42.23	+18 29.3	1.626	2.571	8.6	21.3
11 7	3 33.08	+17 56.4	1.576	2.557	4.1	21.0
11 17	3 22.77	+17 18.5	1.554	2.542	0.9	20.7
11 27	3 12.55	+16 40.2	1.561	2.528	5.7	21.0
12 7	3 3.68	+16 6.5	1.595	2.513	10.3	21.3
12 17	2 57.11	+15 42.1	1.653	2.497	14.3	21.5

133612 2003 UE_{110} 11 15.6 83°.21 0°.7/15.3 18

10 8	3 53.36	+18 22.3	1.774	2.577	16.0	20.7
10 18	3 48.76	+18 4.9	1.706	2.591	12.5	20.5
10 28	3 41.60	+17 40.2	1.659	2.605	8.4	20.3
11 7	3 32.63	+17 9.8	1.638	2.619	3.9	20.0
11 17	3 22.87	+16 36.9	1.644	2.632	1.1	19.8
11 27	3 13.52	+16 5.6	1.680	2.646	5.4	20.2
12 7	3 5.68	+15 40.3	1.743	2.660	9.6	20.5
12 17	3 0.08	+15 24.2	1.830	2.673	13.2	20.7

234659 2002 EG_{115} 11 15.6 147°.78 2°.4/14.2 18

10 8	3 53.71	+13 0.6	2.275	3.068	13.2	21.6
10 18	3 48.41	+12 31.5	2.199	3.079	10.3	21.4
10 28	3 41.09	+11 59.4	2.146	3.089	7.0	21.2
11 7	3 32.33	+11 27.0	2.121	3.098	3.7	21.0
11 17	3 22.93	+10 57.2	2.125	3.107	2.6	21.0
11 27	3 13.82	+10 33.4	2.160	3.115	5.5	21.2
12 7	3 5.86	+10 18.5	2.223	3.123	8.8	21.4
12 17	2 59.68	+10 14.0	2.312	3.129	11.7	21.6

134177 2005 CN_{16} 11 15.6 327°.78 1°.3/14.9 17

10 8	3 47.72	+16 52.0	2.005	2.814	14.2	20.3
10 18	3 44.32	+16 30.0	1.914	2.803	11.1	20.0
10 28	3 38.67	+16 1.8	1.846	2.793	7.5	19.8
11 7	3 31.31	+15 29.4	1.803	2.784	3.6	19.5
11 17	3 23.08	+14 55.9	1.787	2.774	1.5	19.4
11 27	3 14.99	+14 25.1	1.801	2.765	5.3	19.6
12 7	3 8.02	+14 1.0	1.841	2.757	9.3	19.8
12 17	3 2.95	+13 46.8	1.907	2.749	12.8	20.1

200037 2007 RW_{105} 11 15.6 1°.62 0°.4/16.0 18

10 8	3 42.71	+21 6.7	4.099	4.873	8.1	20.1
10 18	3 39.19	+21 2.5	4.005	4.873	6.3	19.9
10 28	3 34.57	+20 53.9	3.936	4.873	4.3	19.8
11 7	3 29.19	+20 41.7	3.896	4.873	2.1	19.6
11 17	3 23.43	+20 26.7	3.885	4.874	0.4	19.5
11 27	3 17.76	+20 10.4	3.907	4.874	2.5	19.7
12 7	3 12.62	+19 54.5	3.958	4.874	4.7	19.8
12 17	3 8.39	+19 40.6	4.037	4.875	6.7	20.0

184582 2005 QC_{107} 11 15.6 102°.12 0°.2/15.7 18

10 8	3 58.79	+19 41.5	1.718	2.510	16.9	21.1
10 18	3 53.03	+19 42.2	1.654	2.532	13.2	20.9
10 28	3 44.49	+19 34.9	1.612	2.554	9.0	20.7
11 7	3 33.99	+19 20.4	1.596	2.575	4.3	20.4
11 17	3 22.69	+19 0.4	1.607	2.596	0.6	20.2
11 27	3 11.92	+18 38.6	1.648	2.616	5.3	20.6
12 7	3 2.86	+18 19.5	1.717	2.635	9.6	20.9
12 17	2 56.30	+18 6.7	1.811	2.654	13.3	21.2

444964 2008 DX_{80} 11 15.6 331°.90 0°.7/15.2 18

10 8	3 50.52	+18 12.7	1.880	2.685	15.1	21.4
10 18	3 46.61	+17 55.9	1.796	2.682	11.9	21.1
10 28	3 40.25	+17 31.8	1.734	2.680	8.1	20.9
11 7	3 32.07	+17 2.2	1.697	2.678	3.8	20.6
11 17	3 22.97	+16 29.8	1.688	2.675	1.1	20.4
11 27	3 14.10	+15 58.7	1.707	2.673	5.3	20.7
12 7	3 6.52	+15 33.2	1.754	2.672	9.5	21.0
12 17	3 1.02	+15 16.7	1.825	2.670	13.1	21.2

172791 2004 FY_{35} 11 15.6 168°.09 2°.2/14.4 18

10 8	3 51.51	+13 30.3	2.187	2.986	13.5	20.6
10 18	3 46.91	+13 7.5	2.105	2.988	10.5	20.4
10 28	3 40.20	+12 41.4	2.045	2.990	7.2	20.2
11 7	3 31.97	+12 14.6	2.013	2.991	3.7	19.9
11 17	3 23.00	+11 49.9	2.009	2.993	2.4	19.9
11 27	3 14.26	+11 30.6	2.036	2.994	5.5	20.1
12 7	3 6.63	+11 19.5	2.090	2.995	8.9	20.3
12 17	3 0.80	+11 18.5	2.170	2.995	12.1	20.5

483245 2015 RO_{223} 11 15.6 283°.20 0°.3/15.8 18

10 8	3 52.10	+19 50.2	1.971	2.767	14.9	21.4
10 18	3 47.90	+19 55.0	1.877	2.757	11.8	21.2
10 28	3 41.20	+19 53.0	1.805	2.747	8.1	20.9
11 7	3 32.57	+19 44.5	1.758	2.737	3.9	20.7
11 17	3 22.90	+19 30.8	1.739	2.727	0.6	20.4
11 27	3 13.33	+19 14.5	1.749	2.717	5.0	20.7
12 7	3 4.98	+18 59.5	1.787	2.707	9.2	20.9
12 17	2 58.70	+18 49.4	1.850	2.697	12.9	21.1

350047 2010 OA_{7} 11 15.6 342°.91 1°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.40	+31 33.6	1.536	2.320	18.9	19.2
10 18	3 48.72	+29 48.8	1.445	2.314	15.3	19.0
10 28	3 41.91	+27 32.8	1.374	2.309	10.8	18.7
11 7	3 32.87	+24 48.2	1.330	2.305	5.7	18.4
11 17	3 22.88	+21 43.3	1.314	2.301	1.4	18.1
11 27	3 13.46	+18 32.7	1.328	2.298	5.9	18.4
12 7	3 5.91	+15 32.7	1.372	2.296	11.1	18.7
12 17	3 1.06	+12 56.3	1.442	2.294	15.6	19.0

325686 2009 TN_{41} 11 15.6 45°.30 1°.2/16.5 18

10 8	3 49.35	+25 2.8	2.022	2.810	14.8	20.4
10 18	3 45.48	+24 36.1	1.945	2.819	11.7	20.2
10 28	3 39.33	+23 56.8	1.890	2.828	8.1	20.0
11 7	3 31.56	+23 6.3	1.861	2.837	4.2	19.8
11 17	3 23.08	+22 7.3	1.859	2.847	1.2	19.6
11 27	3 14.95	+21 4.7	1.887	2.856	4.5	19.9
12 7	3 8.12	+20 4.2	1.943	2.866	8.4	20.1
12 17	3 3.28	+19 10.9	2.025	2.876	11.7	20.3

454842 2015 RY_{227} 11 15.6 58°.58 0°.8/15.2 18

10 8	3 51.12	+17 49.7	1.884	2.689	15.1	21.3
10 18	3 46.95	+17 32.8	1.810	2.696	11.8	21.1
10 28	3 40.39	+17 9.3	1.757	2.703	8.0	20.8
11 7	3 32.09	+16 40.9	1.730	2.711	3.7	20.6
11 17	3 23.00	+16 10.5	1.731	2.718	1.2	20.4
11 27	3 14.22	+15 42.0	1.760	2.726	5.3	20.7
12 7	3 6.77	+15 19.3	1.817	2.734	9.3	21.0
12 17	3 1.40	+15 5.7	1.899	2.742	12.8	21.2

214649 2006 SB_{72} 11 15.6 151°.54 0°.4/15.9 18

10 8	3 53.17	+20 29.4	2.139	2.926	14.1	21.2
10 18	3 48.37	+20 31.2	2.055	2.930	11.1	21.0
10 28	3 41.28	+20 25.9	1.993	2.933	7.6	20.8
11 7	3 32.52	+20 13.9	1.958	2.937	3.7	20.5
11 17	3 22.93	+19 56.6	1.952	2.940	0.6	20.3
11 27	3 13.56	+19 36.7	1.975	2.943	4.6	20.6
12 7	3 5.41	+19 17.9	2.027	2.946	8.4	20.9
12 17	2 59.21	+19 3.5	2.105	2.948	11.7	21.1

40138 1998 QF_{63} 11 15.7 21°.95 2°.1/14.2 18

10 8	3 47.62	+16 12.0	1.941	2.753	14.5	19.0
10 18	3 44.12	+15 19.4	1.865	2.756	11.3	18.8
10 28	3 38.42	+14 19.6	1.812	2.760	7.6	18.5
11 7	3 31.14	+13 16.2	1.785	2.765	3.8	18.3
11 17	3 23.15	+12 14.1	1.785	2.770	2.5	18.2
11 27	3 15.46	+11 18.6	1.815	2.775	5.9	18.5
12 7	3 8.99	+10 34.5	1.872	2.780	9.6	18.7
12 17	3 4.43	+10 4.6	1.953	2.786	12.9	18.9

297523 2001 CD_{40} 11 15.7 256°.30 0°.6/15.9 18

10 8	3 54.05	+20 45.7	2.000	2.789	14.9	20.9
10 18	3 49.49	+20 51.6	1.898	2.774	11.9	20.6
10 28	3 42.33	+20 49.9	1.819	2.759	8.2	20.4
11 7	3 33.15	+20 40.8	1.765	2.744	4.1	20.1
11 17	3 22.82	+20 25.1	1.740	2.728	0.8	19.8
11 27	3 12.53	+20 5.6	1.744	2.712	5.0	20.1
12 7	3 3.44	+19 46.0	1.776	2.696	9.3	20.3
12 17	2 56.48	+19 30.7	1.834	2.679	13.0	20.5

294882 2008 CA_{215} 11 15.7 169°.46 1°.3/14.8 18

10 8	3 50.62	+16 33.6	2.130	2.929	13.8	21.2
10 18	3 46.33	+16 9.3	2.046	2.930	10.8	21.0
10 28	3 39.87	+15 39.3	1.986	2.931	7.3	20.8
11 7	3 31.84	+15 5.8	1.951	2.931	3.5	20.5
11 17	3 23.05	+14 31.6	1.946	2.932	1.6	20.4
11 27	3 14.49	+14 0.5	1.969	2.932	5.1	20.6
12 7	3 7.07	+13 36.1	2.021	2.933	8.8	20.9
12 17	3 1.50	+13 21.1	2.099	2.933	12.1	21.1

87468 2000 QF_{131} 11 15.7 115°.71 3°.4/17.6 18

10 8	3 57.07	+28 31.3	1.845	2.615	16.7	19.8
10 18	3 51.88	+28 44.9	1.770	2.628	13.5	19.6
10 28	3 43.86	+28 44.6	1.717	2.641	9.8	19.4
11 7	3 33.77	+28 28.8	1.687	2.654	5.9	19.2
11 17	3 22.76	+27 57.7	1.686	2.667	3.4	19.1
11 27	3 12.16	+27 14.9	1.713	2.679	5.4	19.3
12 7	3 3.20	+26 26.5	1.768	2.690	9.1	19.5
12 17	2 56.73	+25 39.1	1.849	2.701	12.6	19.7

327102 2004 XF_{186} 11 15.7 359°.91 4°.1/17.2 18

10 8	3 52.47	+26 0.4	1.110	1.935	22.1	21.1
10 18	3 50.13	+26 37.7	1.041	1.933	18.0	20.9
10 28	3 43.74	+26 59.7	0.989	1.931	13.0	20.6
11 7	3 34.08	+27 3.1	0.957	1.931	7.6	20.3
11 17	3 22.69	+26 46.7	0.947	1.931	4.1	20.1
11 27	3 11.65	+26 14.4	0.962	1.933	7.4	20.3
12 7	3 2.93	+25 34.7	1.000	1.935	12.8	20.6
12 17	2 57.80	+24 56.7	1.058	1.938	17.7	20.9

268712 2006 HF_{46} 11 15.7 265°.22 3°.5/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.18	+ 8 22.5	2.411	3.212	12.3	20.9
10 18	3 44.93	+ 7 57.8	2.324	3.207	9.7	20.7
10 28	3 38.81	+ 7 33.5	2.261	3.201	6.8	20.5
11 7	3 31.32	+ 7 12.4	2.225	3.196	4.2	20.3
11 17	3 23.15	+ 6 57.6	2.217	3.191	3.7	20.3
11 27	3 15.13	+ 6 51.8	2.239	3.185	6.0	20.4
12 7	3 8.05	+ 6 56.7	2.289	3.180	8.9	20.6
12 17	3 2.52	+ 7 13.1	2.365	3.175	11.7	20.8

213216 2000 UJ_{92} 11 15.7 11°.89 2°.9/17.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.35	+27 43.8	1.047	1.879	22.7	19.2
10 18	3 46.82	+27 26.9	0.984	1.881	18.3	18.9
10 28	3 41.33	+26 46.1	0.938	1.885	13.1	18.6
11 7	3 32.83	+25 41.4	0.912	1.889	7.2	18.3
11 17	3 22.92	+24 17.1	0.909	1.895	2.9	18.1
11 27	3 13.61	+22 43.2	0.929	1.902	7.0	18.4
12 7	3 6.67	+21 12.4	0.972	1.910	12.7	18.7
12 17	3 3.13	+19 55.7	1.036	1.919	17.7	19.0

334055 2001 OK_{21} 11 15.7 51°.18 5°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 1.75	+32 38.8	1.224	2.009	22.7	19.9
10 18	3 56.38	+33 3.2	1.186	2.047	18.5	19.8
10 28	3 47.11	+33 4.1	1.165	2.086	13.7	19.6
11 7	3 35.25	+32 38.6	1.165	2.125	8.9	19.5
11 17	3 22.59	+31 47.9	1.190	2.165	5.9	19.4
11 27	3 11.14	+30 39.4	1.240	2.204	7.4	19.6
12 7	3 2.40	+29 23.9	1.316	2.243	11.2	19.9
12 17	2 57.14	+28 12.0	1.415	2.281	14.9	20.3

124889 2001 TT_{46} 11 15.7 2°.09 0°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.86	+19 39.2	1.149	1.993	20.4	19.3
10 18	3 45.16	+19 12.4	1.083	1.990	16.1	19.0
10 28	3 39.99	+18 32.5	1.034	1.990	10.9	18.8
11 7	3 32.16	+17 42.5	1.007	1.990	5.2	18.4
11 17	3 23.03	+16 47.6	1.004	1.992	1.3	18.2
11 27	3 14.32	+15 55.7	1.024	1.995	7.2	18.6
12 7	3 7.58	+15 14.4	1.068	1.999	12.7	18.9
12 17	3 3.84	+14 49.0	1.133	2.005	17.4	19.2

216188 2006 TC_{79} 11 15.7 287°.35 0°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.58	+19 29.9	1.981	2.778	14.7	21.1
10 18	3 47.39	+19 25.9	1.894	2.775	11.6	20.9
10 28	3 40.78	+19 14.8	1.828	2.772	7.9	20.7
11 7	3 32.35	+18 57.5	1.789	2.769	3.8	20.4
11 17	3 23.00	+18 35.6	1.777	2.765	0.6	20.2
11 27	3 13.84	+18 12.5	1.794	2.762	4.9	20.5
12 7	3 5.92	+17 52.1	1.840	2.759	9.0	20.7
12 17	3 0.04	+17 37.9	1.910	2.756	12.6	21.0

311822 2006 UR_{265} 11 15.7 285°.59 1°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.20	+26 10.6	1.987	2.771	15.1	20.3
10 18	3 46.49	+25 40.5	1.884	2.755	12.2	20.1
10 28	3 40.28	+24 55.5	1.804	2.739	8.6	19.9
11 7	3 32.16	+23 56.0	1.748	2.724	4.6	19.6
11 17	3 23.03	+22 44.5	1.720	2.708	1.5	19.3
11 27	3 14.06	+21 26.3	1.722	2.692	4.9	19.5
12 7	3 6.34	+20 8.3	1.752	2.676	9.1	19.8
12 17	3 0.73	+18 57.2	1.808	2.660	12.9	20.0

273549 2007 BN_{56} 11 15.7 278°.66 5°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.34	+30 39.0	1.581	2.360	18.6	21.0
10 18	3 51.47	+31 10.0	1.491	2.352	15.4	20.8
10 28	3 44.20	+31 25.1	1.421	2.344	11.6	20.5
11 7	3 34.20	+31 20.5	1.374	2.335	7.6	20.3
11 17	3 22.70	+30 54.5	1.351	2.327	5.1	20.1
11 27	3 11.35	+30 9.7	1.356	2.319	6.9	20.2
12 7	3 1.78	+29 13.3	1.386	2.311	10.9	20.4
12 17	2 55.14	+28 14.1	1.440	2.303	14.9	20.6

455636 2004 XD_{11} 11 15.7 300°.28 7°.1/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.64	+42 22.5	2.320	3.019	15.5	21.3
10 18	3 50.33	+42 28.9	2.190	2.982	13.6	21.1
10 28	3 43.13	+42 14.7	2.079	2.945	11.3	20.8
11 7	3 33.62	+41 35.3	1.990	2.907	8.9	20.6
11 17	3 22.79	+40 27.7	1.927	2.870	7.3	20.4
11 27	3 11.99	+38 53.6	1.893	2.832	7.5	20.4
12 7	3 2.55	+36 59.0	1.886	2.794	9.6	20.4
12 17	2 55.50	+34 53.5	1.907	2.756	12.5	20.5

509615 2008 EU_{166} 11 15.7 265°.95 5°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.50	+ 8 29.4	1.611	2.428	16.7	21.8
10 18	3 49.48	+ 7 37.8	1.518	2.409	13.4	21.5
10 28	3 42.56	+ 6 43.9	1.447	2.391	9.6	21.2
11 7	3 33.35	+ 5 53.1	1.400	2.371	6.2	21.0
11 17	3 22.84	+ 5 11.7	1.380	2.352	5.8	20.9
11 27	3 12.40	+ 4 45.9	1.387	2.332	9.0	21.1
12 7	3 3.34	+ 4 39.5	1.419	2.312	13.2	21.2
12 17	2 56.69	+ 4 53.8	1.473	2.291	17.1	21.4

127596 2003 BA_{15} 11 15.7 246°.36 1°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.40	+17 0.0	1.870	2.669	15.4	20.2
10 18	3 49.85	+16 45.5	1.773	2.656	12.2	20.0
10 28	3 42.63	+16 24.5	1.697	2.641	8.3	19.7
11 7	3 33.33	+15 58.7	1.646	2.627	4.0	19.4
11 17	3 22.87	+15 30.4	1.624	2.611	1.5	19.2
11 27	3 12.49	+15 3.8	1.631	2.596	5.8	19.5
12 7	3 3.38	+14 43.0	1.665	2.579	10.2	19.7
12 17	2 56.49	+14 31.6	1.725	2.563	14.1	19.9

369820 2012 HP_{63} 11 15.7 114°.68 1°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.27	+20 27.4	2.585	3.356	12.4	20.3
10 18	3 49.62	+21 0.2	2.500	3.365	9.8	20.2
10 28	3 41.96	+21 28.3	2.440	3.375	6.7	20.0
11 7	3 32.83	+21 51.1	2.408	3.384	3.4	19.8
11 17	3 22.97	+22 8.3	2.405	3.393	1.0	19.6
11 27	3 13.27	+22 20.8	2.435	3.402	3.9	19.9
12 7	3 4.60	+22 30.6	2.495	3.410	7.1	20.1
12 17	2 57.61	+22 40.1	2.582	3.419	10.0	20.3

511013 2013 PA_{56} 11 15.7 52°.07 2°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.90	+24 33.7	1.302	2.114	20.2	21.5
10 18	3 51.20	+24 36.2	1.234	2.121	16.2	21.3
10 28	3 43.95	+24 23.6	1.185	2.127	11.3	21.0
11 7	3 34.01	+23 55.5	1.157	2.135	6.0	20.7
11 17	3 22.80	+23 13.7	1.155	2.142	2.1	20.5
11 27	3 12.09	+22 24.0	1.179	2.149	6.3	20.8
12 7	3 3.46	+21 34.4	1.227	2.157	11.5	21.1
12 17	2 57.94	+20 52.3	1.299	2.165	16.0	21.4

266644 2008 SP_{143} 11 15.7 17°.81 0°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.91	+17 59.6	4.114	4.895	8.0	20.8
10 18	3 39.34	+17 54.7	4.023	4.896	6.2	20.7
10 28	3 34.69	+17 46.7	3.957	4.898	4.2	20.5
11 7	3 29.29	+17 36.4	3.919	4.899	2.0	20.4
11 17	3 23.53	+17 24.9	3.913	4.901	0.4	20.2
11 27	3 17.86	+17 13.6	3.937	4.902	2.7	20.4
12 7	3 12.71	+17 3.9	3.992	4.904	4.8	20.6
12 17	3 8.44	+16 57.2	4.074	4.906	6.7	20.7

157826 1997 SB_{23} 11 15.7 354°.12 4°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.05	+26 4.9	1.390	2.194	19.5	19.1
10 18	3 50.67	+26 49.3	1.312	2.191	15.9	18.9
10 28	3 43.77	+27 21.6	1.253	2.189	11.5	18.6
11 7	3 34.04	+27 38.7	1.216	2.187	6.9	18.3
11 17	3 22.77	+27 38.6	1.204	2.186	4.0	18.2
11 27	3 11.73	+27 23.5	1.218	2.185	6.7	18.3
12 7	3 2.58	+26 59.4	1.256	2.186	11.3	18.6
12 17	2 56.52	+26 33.5	1.318	2.186	15.7	18.9

40036 1998 KT_{19} 11 15.7 116°.84 2°.6/14.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.92	+13 14.6	2.062	2.860	14.2	19.8
10 18	3 48.73	+12 39.1	1.995	2.878	11.1	19.6
10 28	3 41.38	+12 0.1	1.951	2.895	7.5	19.4
11 7	3 32.53	+11 20.8	1.934	2.911	3.9	19.2
11 17	3 23.06	+10 44.9	1.946	2.927	2.8	19.2
11 27	3 13.97	+10 16.1	1.987	2.943	5.8	19.4
12 7	3 6.17	+ 9 57.5	2.057	2.958	9.3	19.6
12 17	3 0.31	+ 9 50.8	2.152	2.972	12.3	19.9

33470 1999 FQ_{37} 11 15.7 120°.89 2°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.61	+14 49.9	2.025	2.830	14.2	18.5
10 18	3 46.39	+14 15.3	1.947	2.833	11.1	18.3
10 28	3 39.95	+13 35.6	1.891	2.837	7.5	18.1
11 7	3 31.92	+12 53.8	1.861	2.840	3.8	17.9
11 17	3 23.14	+12 13.5	1.860	2.844	2.4	17.8
11 27	3 14.63	+11 39.0	1.887	2.847	5.7	18.0
12 7	3 7.33	+11 14.0	1.943	2.850	9.4	18.2
12 17	3 1.92	+11 0.8	2.023	2.853	12.6	18.5

82422 2001 NM_{18} 11 15.7 169°.97 10°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.19	− 7 23.4	2.088	2.870	14.6	19.9
10 18	3 48.19	− 9 14.8	2.030	2.875	12.5	19.8
10 28	3 41.05	−10 56.5	1.994	2.879	10.8	19.7
11 7	3 32.40	−12 20.2	1.984	2.882	10.1	19.6
11 17	3 23.08	−13 19.2	2.000	2.885	10.6	19.7
11 27	3 14.07	−13 49.0	2.042	2.886	12.1	19.8
12 7	3 6.26	−13 49.5	2.107	2.887	14.0	19.9
12 17	3 0.31	−13 23.3	2.191	2.888	15.9	20.1

191218 2002 RY_{50} 11 15.7 33°.52 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.47	+23 43.1	1.996	2.789	14.8	19.6
10 18	3 45.65	+23 39.7	1.923	2.799	11.7	19.4
10 28	3 39.52	+23 26.3	1.872	2.811	8.1	19.2
11 7	3 31.73	+23 3.1	1.845	2.822	4.2	19.0
11 17	3 23.20	+22 32.0	1.847	2.834	1.4	18.8
11 27	3 14.99	+21 56.6	1.877	2.847	4.6	19.0
12 7	3 8.07	+21 21.3	1.935	2.859	8.3	19.3
12 17	3 3.14	+20 50.6	2.019	2.873	11.6	19.5

69738 1998 KL_{16} 11 15.7 121.°56 0.°6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 56.63	+17 0.8	2.075	2.863	14.5	20.1
10 18	3 50.98	+17 4.0	2.002	2.879	11.3	19.9
10 28	3 43.00	+17 2.5	1.952	2.894	7.6	19.7
11 7	3 33.35	+16 57.2	1.929	2.908	3.6	19.5
11 17	3 22.96	+16 49.6	1.935	2.923	0.9	19.3
11 27	3 12.91	+16 42.2	1.971	2.936	4.9	19.6
12 7	3 4.18	+16 37.9	2.036	2.949	8.6	19.9
12 17	2 57.51	+16 39.2	2.127	2.962	11.9	20.1

204598 2005 GP_{157} 11 15.7 271.°35 5.°9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.76	+ 4 25.6	1.891	2.700	14.9	20.4
10 18	3 47.56	+ 3 43.1	1.804	2.687	12.0	20.2
10 28	3 40.94	+ 3 3.0	1.740	2.675	8.9	19.9
11 7	3 32.50	+ 2 30.6	1.701	2.663	6.4	19.8
11 17	3 23.09	+ 2 10.8	1.688	2.650	6.2	19.7
11 27	3 13.83	+ 2 7.5	1.704	2.638	8.6	19.9
12 7	3 5.75	+ 2 22.6	1.746	2.625	11.9	20.0
12 17	2 59.67	+ 2 55.8	1.810	2.612	15.1	20.2

157679 2005 YY_{136} 11 15.7 281.°92 1.°5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.31	+24 45.9	2.223	3.004	13.9	20.3
10 18	3 46.21	+24 40.0	2.132	3.001	11.1	20.1
10 28	3 39.89	+24 23.7	2.064	2.999	7.8	19.9
11 7	3 31.95	+23 57.1	2.022	2.997	4.2	19.7
11 17	3 23.19	+23 21.8	2.008	2.994	1.5	19.5
11 27	3 14.63	+22 40.9	2.023	2.992	4.4	19.7
12 7	3 7.21	+21 59.0	2.068	2.990	8.0	19.9
12 17	3 1.65	+21 20.7	2.138	2.988	11.3	20.1

224781 2006 HX_{34} 11 15.7 281.°70 0.°4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.72	+19 26.2	2.370	3.162	12.8	21.1
10 18	3 44.84	+19 4.2	2.267	3.146	10.1	20.9
10 28	3 38.94	+18 34.7	2.187	3.130	6.9	20.7
11 7	3 31.51	+17 59.2	2.134	3.114	3.3	20.4
11 17	3 23.27	+17 19.9	2.109	3.098	0.7	20.2
11 27	3 15.11	+16 40.4	2.115	3.081	4.5	20.5
12 7	3 7.90	+16 4.6	2.149	3.065	8.1	20.7
12 17	3 2.35	+15 36.0	2.209	3.049	11.4	20.8

233960 2010 AX_{2} 11 15.7 355.°29 4.°5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.04	+ 5 58.5	2.206	3.012	13.2	19.9
10 18	3 44.98	+ 5 31.2	2.128	3.011	10.4	19.7
10 28	3 38.94	+ 5 6.2	2.072	3.010	7.5	19.5
11 7	3 31.46	+ 4 47.0	2.043	3.009	5.0	19.4
11 17	3 23.30	+ 4 36.9	2.041	3.009	4.7	19.3
11 27	3 15.32	+ 4 38.6	2.068	3.008	6.9	19.5
12 7	3 8.38	+ 4 53.5	2.123	3.008	9.8	19.7
12 17	3 3.11	+ 5 21.5	2.201	3.009	12.6	19.9

422297 2014 SB_{159} 11 15.7 23.°03 3.°3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.50	+11 12.8	2.267	3.074	12.8	21.2
10 18	3 43.72	+10 22.3	2.188	3.075	10.0	21.0
10 28	3 38.05	+ 9 28.9	2.132	3.077	6.9	20.8
11 7	3 31.02	+ 8 36.6	2.104	3.078	4.1	20.6
11 17	3 23.36	+ 7 49.4	2.104	3.079	3.6	20.6
11 27	3 15.93	+ 7 11.5	2.133	3.081	6.1	20.8
12 7	3 9.50	+ 6 45.9	2.189	3.083	9.2	21.0
12 17	3 4.69	+ 6 34.3	2.271	3.084	12.0	21.2

223892 2004 VF_{22} 11 15.7 76.°55 1.°5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.84	+14 8.4	2.190	2.985	13.6	19.9
10 18	3 47.88	+14 8.9	2.120	3.001	10.6	19.7
10 28	3 40.84	+14 7.1	2.073	3.016	7.1	19.5
11 7	3 32.33	+14 4.2	2.052	3.032	3.5	19.3
11 17	3 23.17	+14 2.2	2.061	3.047	1.7	19.2
11 27	3 14.32	+14 3.1	2.100	3.063	4.9	19.5
12 7	3 6.64	+14 9.0	2.168	3.078	8.4	19.7
12 17	3 0.78	+14 21.4	2.261	3.093	11.4	19.9

133627 2003 UX_{130} 11 15.7 108.°55 3.°9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.90	+32 39.4	2.096	2.843	15.6	20.1
10 18	3 51.37	+32 33.1	2.024	2.864	12.8	20.0
10 28	3 43.31	+32 10.3	1.972	2.884	9.5	19.8
11 7	3 33.50	+31 29.8	1.946	2.903	6.1	19.6
11 17	3 23.01	+30 32.8	1.948	2.923	3.9	19.5
11 27	3 13.02	+29 23.6	1.979	2.941	5.2	19.7
12 7	3 4.59	+28 9.0	2.040	2.959	8.2	19.9
12 17	2 58.43	+26 55.9	2.127	2.977	11.3	20.1

145569 2006 OL_{11} 11 15.7 105.°18 4.°6/13.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.75	+10 10.5	1.558	2.371	17.4	21.0
10 18	3 51.53	+ 9 16.4	1.501	2.390	13.6	20.8
10 28	3 43.55	+ 8 20.5	1.465	2.409	9.5	20.6
11 7	3 33.65	+ 7 28.4	1.454	2.428	5.7	20.4
11 17	3 22.99	+ 6 45.6	1.471	2.446	4.9	20.4
11 27	3 12.91	+ 6 17.3	1.515	2.463	8.1	20.6
12 7	3 4.56	+ 6 6.5	1.585	2.480	11.9	20.9
12 17	2 58.68	+ 6 13.5	1.678	2.496	15.4	21.2

272944 2006 BJ_{277} 11 15.7 139.°11 2.°1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.33	+26 7.5	2.423	3.192	13.2	21.4
10 18	3 46.83	+26 16.6	2.334	3.195	10.6	21.2
10 28	3 40.23	+26 16.1	2.269	3.197	7.5	21.0
11 7	3 32.10	+26 5.4	2.229	3.199	4.3	20.8
11 17	3 23.21	+25 45.2	2.218	3.202	2.1	20.7
11 27	3 14.51	+25 17.8	2.237	3.204	4.2	20.9
12 7	3 6.88	+24 46.9	2.285	3.206	7.4	21.1
12 17	3 1.03	+24 16.6	2.360	3.208	10.4	21.3

349785 Hsiaotejen 11 15.7 44.°81 8.°5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.35	+41 6.7	1.879	2.598	18.1	20.5
10 18	3 52.91	+41 59.2	1.794	2.598	15.7	20.3
10 28	3 45.10	+42 31.6	1.728	2.599	13.0	20.1
11 7	3 34.65	+42 38.4	1.683	2.599	10.4	20.0
11 17	3 22.81	+42 15.9	1.662	2.600	8.7	19.9
11 27	3 11.25	+41 25.4	1.668	2.600	8.9	19.9
12 7	3 1.53	+40 13.6	1.699	2.601	10.8	20.0
12 17	2 54.75	+38 50.1	1.755	2.602	13.5	20.2

231732 1999 GD_{7} 11 15.7 343.°04 4.°8/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.52	+11 9.3	1.408	2.241	17.9	20.0
10 18	3 46.55	+10 13.3	1.334	2.236	14.1	19.8
10 28	3 40.62	+ 9 12.9	1.281	2.231	9.8	19.5
11 7	3 32.45	+ 8 14.0	1.251	2.227	5.9	19.3
11 17	3 23.16	+ 7 23.4	1.247	2.224	5.2	19.2
11 27	3 14.16	+ 6 47.8	1.268	2.221	8.7	19.4
12 7	3 6.78	+ 6 31.7	1.313	2.219	13.1	19.7
12 17	3 1.94	+ 6 36.4	1.380	2.217	17.0	19.9

294669 2008 AB_{96} 11 15.7 110.°38 2.°2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.18	+13 13.0	1.983	2.787	14.5	20.5
10 18	3 47.71	+12 57.8	1.904	2.790	11.4	20.3
10 28	3 40.93	+12 39.9	1.847	2.792	7.7	20.1
11 7	3 32.46	+12 21.7	1.816	2.795	3.9	19.9
11 17	3 23.17	+12 5.9	1.813	2.797	2.5	19.8
11 27	3 14.12	+11 55.6	1.840	2.800	5.8	20.0
12 7	3 6.30	+11 53.6	1.894	2.802	9.5	20.3
12 17	3 0.46	+12 1.6	1.973	2.804	12.8	20.5

350478 1999 RN_{211} 11 15.7 24.°35 5.°2/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.09	+29 59.7	0.942	1.775	24.6	19.5
10 18	3 48.22	+30 22.3	0.907	1.801	19.9	19.3
10 28	3 42.14	+30 19.8	0.888	1.829	14.5	19.1
11 7	3 33.14	+29 50.7	0.888	1.859	8.9	18.9
11 17	3 23.10	+28 57.9	0.910	1.891	5.3	18.8
11 27	3 14.14	+27 50.1	0.954	1.925	7.5	19.1
12 7	3 7.87	+26 39.3	1.021	1.960	12.1	19.4
12 17	3 5.09	+25 35.5	1.109	1.996	16.4	19.8

90891 1997 AE_{15} 11 15.7 315.°78 6.°1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.87	+ 4 15.2	1.559	2.376	17.2	18.7
10 18	3 49.79	+ 3 59.2	1.475	2.364	13.9	18.4
10 28	3 42.80	+ 3 48.7	1.412	2.351	10.2	18.2
11 7	3 33.52	+ 3 48.8	1.373	2.340	6.9	17.9
11 17	3 23.00	+ 4 3.5	1.359	2.328	6.3	17.9
11 27	3 12.61	+ 4 35.8	1.373	2.317	9.1	18.0
12 7	3 3.67	+ 5 26.0	1.411	2.307	13.0	18.2
12 17	2 57.19	+ 6 32.3	1.472	2.297	16.8	18.4

345362 2006 AY_{32} 11 15.7 270.°46 1.°3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.61	+23 5.6	1.727	2.523	16.6	21.5
10 18	3 49.63	+23 5.3	1.631	2.509	13.4	21.2
10 28	3 42.73	+22 53.9	1.555	2.495	9.4	21.0
11 7	3 33.52	+22 31.1	1.504	2.481	4.8	20.7
11 17	3 23.03	+21 58.1	1.480	2.467	1.4	20.4
11 27	3 12.62	+21 18.8	1.484	2.453	5.5	20.7
12 7	3 3.64	+20 38.8	1.515	2.439	10.2	20.9
12 17	2 57.11	+20 4.2	1.570	2.425	14.4	21.1

384650 2011 FN_{3} 11 15.7 250.°34 1.°8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.24	+16 1.6	1.758	2.563	16.0	21.9
10 18	3 49.91	+15 37.3	1.663	2.549	12.7	21.7
10 28	3 42.80	+15 6.3	1.589	2.535	8.7	21.4
11 7	3 33.52	+14 30.8	1.540	2.520	4.2	21.1
11 17	3 23.04	+13 54.3	1.519	2.505	2.1	20.9
11 27	3 12.64	+13 21.5	1.526	2.489	6.3	21.2
12 7	3 3.60	+12 57.1	1.561	2.473	10.8	21.4
12 17	2 56.86	+12 44.7	1.619	2.457	14.9	21.6

319959 2007 BO_{70} 11 15.7 165.°67 2.°2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.85	+12 58.1	2.758	3.551	11.2	21.4
10 18	3 44.42	+12 20.8	2.675	3.554	8.7	21.3
10 28	3 38.35	+11 40.6	2.616	3.558	5.9	21.1
11 7	3 31.15	+10 59.9	2.584	3.561	3.2	20.9
11 17	3 23.42	+10 21.8	2.583	3.564	2.4	20.9
11 27	3 15.87	+ 9 49.2	2.613	3.566	4.8	21.1
12 7	3 9.18	+ 9 24.8	2.672	3.568	7.6	21.2
12 17	3 3.88	+ 9 10.3	2.757	3.570	10.1	21.4

326619 2002 RT_{159} 11 15.7 31°.52 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.07	+13 58.7	2.018	2.829	14.0	20.4
10 18	3 44.40	+13 23.8	1.947	2.837	10.9	20.2
10 28	3 38.62	+12 44.7	1.899	2.846	7.4	20.0
11 7	3 31.34	+12 4.8	1.876	2.855	3.8	19.8
11 17	3 23.39	+11 27.7	1.881	2.864	2.6	19.7
11 27	3 15.74	+10 57.4	1.915	2.874	5.7	20.0
12 7	3 9.26	+10 37.2	1.977	2.884	9.2	20.2
12 17	3 4.59	+10 28.9	2.062	2.894	12.4	20.4

160603 1999 SA_{15} 11 15.7 63°.83 7°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 3.30	+38 13.8	1.616	2.352	20.0	20.3
10 18	3 57.41	+39 12.1	1.565	2.385	16.8	20.2
10 28	3 47.92	+39 48.5	1.532	2.419	13.4	20.0
11 7	3 35.85	+39 57.5	1.521	2.452	10.1	19.9
11 17	3 22.76	+39 36.9	1.535	2.485	8.1	19.9
11 27	3 10.49	+38 50.0	1.576	2.517	8.5	20.0
12 7	3 0.56	+37 45.6	1.642	2.550	10.7	20.2
12 17	2 53.88	+36 34.0	1.733	2.582	13.5	20.4

96471 1998 HM_{104} 11 15.7 145°.48 3°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.38	+ 8 54.1	1.919	2.722	14.9	19.3
10 18	3 49.43	+ 8 30.2	1.844	2.728	11.8	19.1
10 28	3 42.10	+ 8 6.7	1.791	2.733	8.2	18.9
11 7	3 33.04	+ 7 47.0	1.764	2.737	4.9	18.7
11 17	3 23.16	+ 7 34.5	1.766	2.742	4.1	18.7
11 27	3 13.58	+ 7 32.4	1.796	2.746	6.9	18.9
12 7	3 5.30	+ 7 42.5	1.854	2.750	10.4	19.1
12 17	2 59.07	+ 8 5.3	1.936	2.753	13.6	19.3

218483 2004 TY_{11} 11 15.7 63°.91 0°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.42	+18 3.7	1.985	2.783	14.7	20.5
10 18	3 47.73	+17 50.5	1.923	2.806	11.4	20.4
10 28	3 40.82	+17 31.1	1.884	2.829	7.7	20.2
11 7	3 32.37	+17 7.3	1.871	2.852	3.6	20.0
11 17	3 23.29	+16 41.5	1.887	2.875	0.9	19.8
11 27	3 14.65	+16 17.2	1.931	2.898	4.8	20.2
12 7	3 7.34	+15 57.9	2.004	2.921	8.6	20.4
12 17	3 2.02	+15 46.2	2.102	2.943	11.8	20.7

278283 2007 GO_{27} 11 15.7 148°.73 3°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.80	+ 7 48.9	2.522	3.319	12.0	20.6
10 18	3 45.29	+ 7 18.5	2.443	3.323	9.4	20.5
10 28	3 39.03	+ 6 48.8	2.389	3.327	6.6	20.3
11 7	3 31.52	+ 6 22.7	2.362	3.331	4.2	20.2
11 17	3 23.43	+ 6 3.2	2.364	3.335	3.8	20.1
11 27	3 15.55	+ 5 53.1	2.396	3.339	5.9	20.3
12 7	3 8.60	+ 5 53.9	2.456	3.342	8.6	20.5
12 17	3 3.14	+ 6 6.3	2.542	3.345	11.2	20.6

226562 2003 WD_{59} 11 15.7 340°.81 0°.9/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.34	+16 33.9	1.960	2.767	14.5	20.1
10 18	3 45.72	+16 32.2	1.872	2.760	11.4	19.9
10 28	3 39.76	+16 25.8	1.807	2.753	7.8	19.6
11 7	3 32.02	+16 16.3	1.766	2.747	3.7	19.4
11 17	3 23.35	+16 5.4	1.753	2.741	1.2	19.2
11 27	3 14.83	+15 56.1	1.769	2.736	5.2	19.5
12 7	3 7.47	+15 51.4	1.812	2.731	9.2	19.7
12 17	3 2.07	+15 53.9	1.880	2.726	12.7	19.9

188566 2004 TD_{124} 11 15.7 67°.47 1°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.39	+15 24.2	2.057	2.860	14.1	20.3
10 18	3 46.17	+14 57.3	1.986	2.872	11.0	20.2
10 28	3 39.80	+14 25.7	1.938	2.884	7.4	20.0
11 7	3 31.93	+13 52.0	1.916	2.896	3.6	19.8
11 17	3 23.39	+13 19.2	1.922	2.908	2.0	19.7
11 27	3 15.17	+12 51.2	1.958	2.920	5.3	19.9
12 7	3 8.15	+12 31.2	2.022	2.932	8.9	20.2
12 17	3 3.00	+12 21.5	2.110	2.944	12.0	20.4

92205 1999 YP 11 15.7 114°.73 19°.5/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 3.64	−21 11.9	1.189	1.955	24.3	19.2
10 18	3 57.83	−22 48.7	1.153	1.963	22.2	19.0
10 28	3 48.26	−23 52.4	1.132	1.971	20.5	19.0
11 7	3 36.03	−24 9.7	1.128	1.979	19.6	18.9
11 17	3 22.80	−23 32.3	1.142	1.986	19.7	19.0
11 27	3 10.47	−22 0.1	1.175	1.993	20.7	19.1
12 7	3 0.59	−19 41.4	1.225	2.000	22.4	19.2
12 17	2 54.08	−16 48.8	1.292	2.007	24.3	19.4

220827 2004 TS_{336} 11 15.7 65°.04 0°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.68	+18 20.8	2.049	2.846	14.3	20.2
10 18	3 47.14	+18 6.3	1.985	2.866	11.2	20.1
10 28	3 40.42	+17 45.4	1.942	2.886	7.5	19.9
11 7	3 32.20	+17 20.0	1.926	2.906	3.5	19.7
11 17	3 23.36	+16 52.3	1.939	2.927	0.9	19.5
11 27	3 14.90	+16 25.9	1.980	2.947	4.7	19.8
12 7	3 7.71	+16 4.4	2.050	2.967	8.4	20.1
12 17	3 2.45	+15 50.4	2.146	2.987	11.6	20.3

166354 2002 KC_{10} 11 15.7 82°.35 0°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	4 0.10	+15 34.2	1.824	2.615	16.1	20.3
10 18	3 53.88	+15 54.3	1.764	2.642	12.5	20.1
10 28	3 45.06	+16 11.1	1.727	2.669	8.4	19.9
11 7	3 34.41	+16 25.0	1.715	2.695	4.0	19.7
11 17	3 23.04	+16 36.8	1.733	2.721	1.0	19.5
11 27	3 12.17	+16 48.4	1.781	2.747	5.2	19.9
12 7	3 2.91	+17 1.9	1.857	2.772	9.3	20.2
12 17	2 56.00	+17 19.5	1.959	2.797	12.7	20.4

487806 2015 SH_{11} 11 15.7 34°.46 1°.6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.54	+24 2.6	1.706	2.505	16.7	21.3
10 18	3 47.76	+23 59.4	1.632	2.511	13.3	21.1
10 28	3 41.25	+23 44.4	1.578	2.518	9.3	20.9
11 7	3 32.74	+23 17.5	1.549	2.526	4.8	20.7
11 17	3 23.27	+22 40.9	1.546	2.534	1.6	20.5
11 27	3 14.16	+21 58.8	1.572	2.542	5.2	20.7
12 7	3 6.58	+21 17.0	1.624	2.550	9.5	21.0
12 17	3 1.37	+20 40.9	1.700	2.559	13.2	21.3

25278 1998 VD_{51} 11 15.7 68°.93 5°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.61	+ 8 16.5	1.718	2.537	15.8	18.4
10 18	3 46.55	+ 6 45.5	1.662	2.553	12.4	18.2
10 28	3 40.12	+ 5 13.3	1.629	2.570	8.9	18.0
11 7	3 32.07	+ 3 47.2	1.621	2.587	6.2	17.9
11 17	3 23.39	+ 2 34.2	1.640	2.603	6.2	17.9
11 27	3 15.18	+ 1 40.3	1.687	2.620	8.8	18.1
12 7	3 8.39	+ 1 8.7	1.760	2.637	11.9	18.4
12 17	3 3.68	+ 0 59.5	1.855	2.654	14.9	18.6

36837 2000 SD_{110} 11 15.7 24°.29 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.87	+21 56.4	1.845	2.644	15.6	19.3
10 18	3 47.03	+21 53.2	1.767	2.648	12.4	19.1
10 28	3 40.68	+21 40.5	1.710	2.652	8.5	18.9
11 7	3 32.46	+21 18.9	1.677	2.656	4.2	18.6
11 17	3 23.34	+20 50.4	1.673	2.661	0.9	18.4
11 27	3 14.50	+20 18.5	1.696	2.666	4.9	18.7
12 7	3 7.02	+19 48.1	1.747	2.671	9.1	19.0
12 17	3 1.71	+19 23.3	1.823	2.677	12.7	19.2

40389 1999 ND_{50} 11 15.7 353°.47 4°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.99	+31 53.8	1.599	2.379	18.4	18.0
10 18	3 48.61	+31 43.5	1.516	2.377	15.2	17.7
10 28	3 42.11	+31 12.5	1.452	2.376	11.3	17.5
11 7	3 33.24	+30 19.3	1.410	2.375	7.1	17.2
11 17	3 23.23	+29 5.1	1.395	2.374	4.2	17.1
11 27	3 13.60	+27 36.0	1.406	2.374	6.1	17.2
12 7	3 5.73	+26 1.4	1.445	2.374	10.1	17.4
12 17	3 0.56	+24 31.0	1.507	2.374	14.1	17.7

210843 2001 QE_{146} 11 15.7 119°.82 2°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.64	+13 32.8	2.175	2.974	13.5	21.6
10 18	3 46.98	+12 51.4	2.103	2.986	10.5	21.5
10 28	3 40.28	+12 6.2	2.054	2.998	7.2	21.3
11 7	3 32.15	+11 20.3	2.033	3.010	3.8	21.1
11 17	3 23.41	+10 37.4	2.040	3.021	2.8	21.0
11 27	3 14.99	+10 1.7	2.077	3.032	5.6	21.2
12 7	3 7.72	+ 9 36.2	2.142	3.043	9.0	21.5
12 17	3 2.24	+ 9 23.0	2.233	3.053	12.0	21.7

195012 2002 CF_{17} 11 15.7 311°.71 4°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.46	+28 38.1	1.556	2.346	18.4	20.4
10 18	3 50.06	+29 6.1	1.467	2.336	15.1	20.1
10 28	3 43.34	+29 19.7	1.396	2.326	11.2	19.9
11 7	3 33.97	+29 15.7	1.349	2.316	7.0	19.6
11 17	3 23.11	+28 53.0	1.326	2.306	4.3	19.4
11 27	3 12.37	+28 14.4	1.331	2.297	6.5	19.5
12 7	3 3.32	+27 26.5	1.361	2.288	10.8	19.7
12 17	2 57.11	+26 37.4	1.414	2.280	15.0	20.0

353680 2011 US_{264} 11 15.7 26°.45 2°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.48	+27 9.1	1.834	2.618	16.3	20.7
10 18	3 48.48	+27 10.8	1.751	2.619	13.1	20.5
10 28	3 41.77	+26 59.0	1.689	2.620	9.4	20.3
11 7	3 33.03	+26 32.7	1.650	2.622	5.4	20.0
11 17	3 23.28	+25 53.2	1.639	2.623	2.7	19.9
11 27	3 13.82	+25 4.4	1.656	2.625	5.2	20.0
12 7	3 5.83	+24 12.2	1.701	2.626	9.1	20.3
12 17	3 0.15	+23 22.9	1.770	2.628	12.8	20.5

360858 2005 QV_{122} 11 15.7 51°.32 0°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.12	+20 45.4	1.960	2.756	14.9	21.2
10 18	3 47.05	+20 31.6	1.879	2.760	11.7	21.0
10 28	3 40.60	+20 9.1	1.820	2.763	8.0	20.8
11 7	3 32.41	+19 39.0	1.787	2.767	3.9	20.5
11 17	3 23.39	+19 3.8	1.782	2.771	0.5	20.3
11 27	3 14.63	+18 27.2	1.806	2.774	4.8	20.6
12 7	3 7.16	+17 53.8	1.857	2.778	8.8	20.9
12 17	3 1.72	+17 27.7	1.934	2.782	12.4	21.1

71001 Natspasoc 11 15.7 345°.03 10°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.79	− 4 9.2	1.594	2.406	17.1	17.5
10 18	3 47.12	− 5 20.5	1.529	2.402	14.4	17.3
10 28	3 40.81	− 6 21.4	1.485	2.399	11.9	17.2
11 7	3 32.56	− 7 3.3	1.464	2.396	10.3	17.1
11 17	3 23.37	− 7 19.5	1.466	2.393	10.6	17.1
11 27	3 14.49	− 7 6.1	1.494	2.391	12.5	17.2
12 7	3 7.05	− 6 23.3	1.543	2.389	15.1	17.4
12 17	3 1.87	− 5 15.0	1.613	2.388	17.8	17.6

394223 2006 ST_{311} 11 15.7 76°.31 1°.7/14.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.46	+17 23.0	1.864	2.667	15.3	21.4
10 18	3 47.87	+16 35.4	1.803	2.689	11.9	21.2
10 28	3 40.96	+15 40.5	1.765	2.711	8.0	21.1
11 7	3 32.49	+14 41.6	1.752	2.732	3.8	20.9
11 17	3 23.40	+13 43.2	1.768	2.754	2.0	20.8
11 27	3 14.79	+12 50.8	1.813	2.775	5.6	21.1
12 7	3 7.61	+12 8.6	1.886	2.797	9.4	21.3
12 17	3 2.49	+11 39.8	1.984	2.817	12.7	21.6

232135 2002 BS_{27} 11 15.7 324°.30 0°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.62	+16 23.8	1.487	2.305	17.9	19.9
10 18	3 49.95	+16 33.9	1.403	2.296	14.2	19.6
10 28	3 43.13	+16 39.5	1.340	2.288	9.7	19.4
11 7	3 33.83	+16 41.6	1.299	2.280	4.6	19.1
11 17	3 23.17	+16 41.7	1.285	2.273	1.2	18.8
11 27	3 12.64	+16 42.7	1.298	2.266	6.3	19.1
12 7	3 3.70	+16 48.2	1.336	2.260	11.3	19.4
12 17	2 57.44	+17 1.2	1.398	2.254	15.7	19.7

378070 2006 US_{23} 11 15.7 221°.23 7°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 6.87	+34 32.8	1.894	2.622	17.6	20.9
10 18	4 0.70	+36 6.9	1.795	2.614	15.0	20.7
10 28	3 50.80	+37 30.1	1.716	2.605	12.0	20.5
11 7	3 37.71	+38 34.8	1.662	2.595	9.2	20.3
11 17	3 22.57	+39 14.3	1.635	2.585	7.6	20.2
11 27	3 7.17	+39 26.1	1.636	2.574	8.6	20.2
12 7	2 53.38	+39 13.8	1.665	2.562	11.3	20.3
12 17	2 42.66	+38 45.4	1.719	2.550	14.5	20.5

144592 2004 FG_{42} 11 15.7 105°.80 0°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.88	+18 58.0	2.028	2.820	14.6	20.6
10 18	3 49.08	+19 1.2	1.951	2.829	11.5	20.4
10 28	3 41.91	+18 58.4	1.895	2.837	7.8	20.2
11 7	3 33.02	+18 50.0	1.866	2.845	3.7	20.0
11 17	3 23.31	+18 37.6	1.865	2.853	0.5	19.7
11 27	3 13.87	+18 24.0	1.893	2.861	4.8	20.1
12 7	3 5.72	+18 12.4	1.950	2.869	8.6	20.3
12 17	2 59.59	+18 5.9	2.033	2.876	12.0	20.6

266034 2006 GY_{44} 11 15.7 211°.42 0°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.56	+19 42.5	2.703	3.485	11.6	22.1
10 18	3 45.19	+19 27.0	2.608	3.481	9.1	21.9
10 28	3 39.04	+19 5.1	2.536	3.476	6.2	21.7
11 7	3 31.60	+18 38.1	2.492	3.471	3.0	21.5
11 17	3 23.52	+18 7.8	2.478	3.466	0.5	21.3
11 27	3 15.57	+17 36.9	2.494	3.461	3.9	21.5
12 7	3 8.50	+17 8.4	2.540	3.455	7.1	21.7
12 17	3 2.89	+16 45.4	2.613	3.449	9.9	21.9

259804 2004 BU_{95} 11 15.7 311°.30 17°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 58.16	−17 20.3	1.346	2.123	21.4	19.8
10 18	3 53.87	−18 28.7	1.272	2.099	19.6	19.6
10 28	3 46.01	−19 12.6	1.214	2.076	17.9	19.4
11 7	3 35.29	−19 18.8	1.174	2.052	17.0	19.3
11 17	3 22.96	−18 37.0	1.154	2.029	17.3	19.3
11 27	3 10.75	−17 2.8	1.155	2.007	18.8	19.3
12 7	3 0.35	−14 40.7	1.176	1.986	21.2	19.4
12 17	2 52.95	−11 40.6	1.215	1.965	23.8	19.5

168734 2000 PB_{28} 11 15.7 103°.14 2°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 58.55	+13 42.4	1.467	2.279	18.3	20.4
10 18	3 53.25	+13 11.5	1.408	2.298	14.3	20.2
10 28	3 44.93	+12 36.3	1.370	2.316	9.7	19.9
11 7	3 34.47	+12 0.3	1.355	2.334	5.0	19.7
11 17	3 23.13	+11 28.0	1.368	2.352	3.2	19.7
11 27	3 12.39	+11 4.4	1.409	2.369	7.2	19.9
12 7	3 3.53	+10 53.3	1.476	2.385	11.6	20.2
12 17	2 57.36	+10 56.3	1.565	2.401	15.4	20.5

348387 2005 GR_{78} 11 15.7 252°.56 5°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.85	+ 4 8.8	2.156	2.955	13.7	21.1
10 18	3 48.21	+ 3 28.4	2.061	2.938	11.0	20.9
10 28	3 41.35	+ 2 50.2	1.988	2.920	8.2	20.7
11 7	3 32.81	+ 2 18.8	1.942	2.902	5.9	20.5
11 17	3 23.35	+ 1 58.5	1.924	2.883	5.8	20.5
11 27	3 13.95	+ 1 53.0	1.934	2.864	8.0	20.6
12 7	3 5.58	+ 2 4.3	1.971	2.845	11.0	20.7
12 17	2 58.99	+ 2 32.2	2.033	2.825	14.0	20.9

67420 2000 QU_{76} 11 15.7 185°.61 1°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.45	+17 3.3	1.527	2.339	17.8	19.8
10 18	3 51.10	+16 30.8	1.449	2.339	14.0	19.5
10 28	3 43.71	+15 49.6	1.391	2.339	9.5	19.3
11 7	3 34.01	+15 2.7	1.358	2.338	4.6	19.0
11 17	3 23.18	+14 14.3	1.351	2.337	2.1	18.8
11 27	3 12.68	+13 30.5	1.372	2.336	6.7	19.1
12 7	3 3.85	+12 57.0	1.419	2.335	11.5	19.4
12 17	2 57.64	+12 37.7	1.490	2.333	15.6	19.7

513494 2009 FC_{57} 11 15.7 162°.54 9°.3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.12	−17 4.9	3.042	3.771	11.6	22.7
10 18	3 46.00	−18 29.3	2.993	3.779	10.4	22.6
10 28	3 39.36	−19 40.8	2.967	3.787	9.6	22.6
11 7	3 31.68	−20 34.3	2.965	3.793	9.3	22.6
11 17	3 23.54	−21 6.0	2.989	3.799	9.7	22.6
11 27	3 15.63	−21 13.9	3.037	3.804	10.5	22.7
12 7	3 8.57	−20 58.4	3.107	3.808	11.6	22.8
12 17	3 2.84	−20 21.8	3.198	3.812	12.6	22.9

222037 1998 TC_{12} 11 15.7 359°.59 1°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.41	+18 25.0	1.825	2.638	15.2	19.6
10 18	3 44.32	+17 51.0	1.745	2.636	11.9	19.3
10 28	3 38.85	+17 8.5	1.687	2.635	8.1	19.1
11 7	3 31.62	+16 20.0	1.653	2.634	3.8	18.9
11 17	3 23.54	+15 29.4	1.647	2.635	1.4	18.7
11 27	3 15.72	+14 41.9	1.669	2.635	5.5	19.0
12 7	3 9.17	+14 2.4	1.718	2.637	9.6	19.2
12 17	3 4.64	+13 34.5	1.791	2.639	13.2	19.4

91565 1999 RK_{237} 11 15.7 70°.78 0°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.38	+18 1.6	2.089	2.881	14.2	19.2
10 18	3 48.62	+18 13.0	2.012	2.890	11.2	19.0
10 28	3 41.57	+18 19.7	1.957	2.899	7.6	18.8
11 7	3 32.87	+18 22.0	1.929	2.908	3.6	18.6
11 17	3 23.37	+18 21.0	1.929	2.917	0.6	18.4
11 27	3 14.12	+18 18.9	1.959	2.927	4.6	18.7
12 7	3 6.09	+18 18.4	2.018	2.936	8.4	18.9
12 17	3 0.02	+18 22.1	2.102	2.945	11.7	19.2

492807 2014 QW_{255} 11 15.7 12°.35 4°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.41	+ 6 1.8	2.038	2.848	13.9	20.9
10 18	3 45.47	+ 5 29.0	1.964	2.850	11.1	20.7
10 28	3 39.41	+ 4 58.4	1.913	2.851	8.0	20.5
11 7	3 31.83	+ 4 34.1	1.887	2.853	5.4	20.4
11 17	3 23.52	+ 4 19.7	1.888	2.856	5.0	20.4
11 27	3 15.45	+ 4 18.3	1.918	2.858	7.3	20.5
12 7	3 8.50	+ 4 31.5	1.975	2.861	10.4	20.7
12 17	3 3.35	+ 4 59.1	2.055	2.865	13.2	20.9

202570 2006 ED_{58} 11 15.7 51°.55 2°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.08	+25 13.8	1.496	2.297	18.6	19.6
10 18	3 50.07	+25 15.7	1.433	2.312	14.8	19.4
10 28	3 42.96	+25 3.6	1.388	2.327	10.4	19.2
11 7	3 33.61	+24 37.2	1.367	2.342	5.6	19.0
11 17	3 23.28	+23 58.4	1.372	2.358	2.2	18.8
11 27	3 13.46	+23 12.2	1.404	2.374	5.6	19.1
12 7	3 5.50	+22 25.6	1.463	2.391	10.1	19.4
12 17	3 0.24	+21 44.7	1.545	2.407	14.1	19.7

3239 Meizhou 11 15.7 53°.12 1°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.99	+15 58.1	1.067	1.902	22.2	16.8
10 18	3 53.66	+15 44.2	1.024	1.926	17.3	16.6
10 28	3 45.55	+15 23.5	0.999	1.951	11.6	16.4
11 7	3 34.82	+14 59.1	0.995	1.977	5.5	16.1
11 17	3 23.13	+14 35.5	1.016	2.003	2.3	16.0
11 27	3 12.37	+14 18.0	1.061	2.029	7.6	16.4
12 7	3 4.08	+14 11.3	1.131	2.055	12.8	16.8
12 17	2 59.11	+14 17.8	1.221	2.082	17.2	17.1

99695 2002 JS_{29} 11 15.7 74°.31 1°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.19	+14 46.6	1.698	2.507	16.3	19.7
10 18	3 49.61	+14 32.6	1.631	2.520	12.8	19.5
10 28	3 42.40	+14 14.5	1.586	2.532	8.6	19.3
11 7	3 33.29	+13 54.6	1.565	2.545	4.2	19.1
11 17	3 23.33	+13 35.9	1.572	2.558	2.2	19.0
11 27	3 13.78	+13 21.9	1.607	2.571	6.0	19.3
12 7	3 5.75	+13 16.1	1.670	2.583	10.2	19.5
12 17	3 0.02	+13 20.4	1.756	2.596	13.8	19.8

391567 2007 TZ_{200} 11 15.7 102°.28 0°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.67	+21 43.9	1.864	2.657	15.7	21.5
10 18	3 49.20	+21 41.5	1.785	2.663	12.4	21.3
10 28	3 42.15	+21 29.8	1.728	2.669	8.5	21.1
11 7	3 33.20	+21 9.4	1.696	2.675	4.2	20.9
11 17	3 23.34	+20 42.0	1.692	2.680	0.9	20.6
11 27	3 13.78	+20 11.1	1.717	2.686	5.0	20.9
12 7	3 5.63	+19 41.5	1.770	2.692	9.1	21.2
12 17	2 59.70	+19 17.6	1.847	2.697	12.8	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
392975 2012 XA_{41}		11 15.7 290°.13 4°.0/14.3 18				
	h m	° ′			°	m
10 8	3 55.46	+ 8 7.0	1.720	2.529	16.2	20.8
10 18	3 50.89	+ 8 5.3	1.631	2.517	12.9	20.5
10 28	3 43.52	+ 8 6.2	1.562	2.505	9.1	20.3
11 7	3 33.98	+ 8 12.8	1.519	2.493	5.4	20.0
11 17	3 23.22	+ 8 27.8	1.503	2.482	4.2	19.9
11 27	3 12.55	+ 8 53.5	1.515	2.470	7.4	20.1
12 7	3 3.21	+ 9 30.9	1.555	2.459	11.5	20.3
12 17	2 56.19	+10 20.0	1.617	2.447	15.3	20.5
234624 2002 AH_{187}		11 15.7 346°.97 10°.3/19.6 18				
10 8	3 53.28	+36 26.6	1.273	2.055	22.2	20.2
10 18	3 51.26	+38 5.0	1.195	2.045	19.1	19.9
10 28	3 45.02	+39 25.4	1.134	2.037	15.7	19.7
11 7	3 35.13	+40 18.7	1.092	2.030	12.4	19.5
11 17	3 23.02	+40 37.4	1.072	2.024	10.4	19.3
11 27	3 10.93	+40 20.0	1.074	2.019	11.1	19.4
12 7	3 1.11	+39 33.6	1.099	2.015	13.9	19.5
12 17	2 55.14	+38 30.1	1.144	2.013	17.5	19.7
349653 2008 UZ_{346}		11 15.7 295°.31 4°.3/13.7 18				
10 8	3 51.87	+ 9 7.8	1.740	2.555	15.8	20.4
10 18	3 47.96	+ 8 38.0	1.654	2.544	12.5	20.2
10 28	3 41.45	+ 8 7.6	1.590	2.534	8.8	19.9
11 7	3 32.95	+ 7 40.8	1.550	2.524	5.3	19.7
11 17	3 23.38	+ 7 21.9	1.537	2.514	4.6	19.6
11 27	3 13.96	+ 7 14.9	1.552	2.503	7.6	19.8
12 7	3 5.83	+ 7 22.5	1.593	2.494	11.5	20.0
12 17	2 59.89	+ 7 45.4	1.657	2.484	15.1	20.2
275355 2011 AQ_{28}		11 15.7 312°.17 0°.1/15.8 18				
10 8	3 50.55	+20 40.0	1.286	2.114	19.5	21.3
10 18	3 48.23	+20 27.7	1.196	2.094	15.7	21.0
10 28	3 42.40	+20 2.6	1.125	2.076	10.9	20.6
11 7	3 33.68	+19 25.7	1.076	2.057	5.3	20.3
11 17	3 23.26	+18 39.8	1.051	2.039	0.8	19.9
11 27	3 12.87	+17 51.1	1.051	2.022	6.9	20.3
12 7	3 4.23	+17 7.6	1.075	2.005	12.7	20.5
12 17	2 58.61	+16 36.1	1.120	1.989	17.8	20.8
367819 2011 AH_{73}		11 15.7 224°.88 3°.6/13.5 18				
10 8	3 50.14	+ 8 13.7	2.395	3.194	12.4	20.9
10 18	3 45.77	+ 7 47.8	2.310	3.191	9.8	20.7
10 28	3 39.51	+ 7 22.3	2.249	3.188	6.9	20.5
11 7	3 31.88	+ 7 0.3	2.214	3.185	4.3	20.3
11 17	3 23.57	+ 6 44.7	2.209	3.182	3.8	20.3
11 27	3 15.42	+ 6 38.3	2.233	3.178	6.1	20.4
12 7	3 8.21	+ 6 42.9	2.285	3.175	9.0	20.6
12 17	3 2.59	+ 6 59.1	2.362	3.171	11.7	20.8
398716 2012 XD_{67}		11 15.7 332°.43 6°.5/12.9 18				
10 8	3 47.36	+ 7 29.4	1.293	2.136	18.5	20.0
10 18	3 45.35	+ 6 39.7	1.212	2.117	14.9	19.7
10 28	3 40.19	+ 5 49.4	1.150	2.099	10.8	19.4
11 7	3 32.53	+ 5 5.3	1.110	2.082	7.3	19.2
11 17	3 23.46	+ 4 34.9	1.094	2.066	6.9	19.1
11 27	3 14.48	+ 4 24.8	1.102	2.051	10.3	19.2
12 7	3 7.08	+ 4 38.3	1.133	2.038	14.7	19.4
12 17	3 2.37	+ 5 15.5	1.183	2.026	18.9	19.7
54282 2000 JX_{47}		11 15.7 223°.92 3°.8/17.8 18				
10 8	3 56.54	+29 13.8	1.838	2.607	16.8	19.9
10 18	3 51.93	+29 32.3	1.744	2.601	13.7	19.7
10 28	3 44.33	+29 36.7	1.671	2.594	10.1	19.4
11 7	3 34.39	+29 24.8	1.622	2.587	6.3	19.2
11 17	3 23.20	+28 55.8	1.601	2.580	3.8	19.0
11 27	3 12.16	+28 12.5	1.607	2.572	5.8	19.1
12 7	3 2.65	+27 21.0	1.641	2.564	9.6	19.4
12 17	2 55.66	+26 28.5	1.700	2.556	13.4	19.6
169078 Chuckshaw		11 15.7 224°.42 1°.6/14.9 18				
10 8	3 55.68	+13 37.9	2.268	3.056	13.4	21.1
10 18	3 50.38	+13 38.2	2.169	3.046	10.6	20.9
10 28	3 42.82	+13 36.5	2.094	3.036	7.2	20.6
11 7	3 33.55	+13 34.1	2.046	3.025	3.6	20.4
11 17	3 23.33	+13 32.6	2.028	3.013	1.8	20.3
11 27	3 13.19	+13 34.3	2.040	3.001	5.2	20.5
12 7	3 4.08	+13 41.2	2.081	2.988	8.8	20.7
12 17	2 56.80	+13 55.2	2.149	2.975	12.1	20.9
25399 Vonnegut		11 15.7 261°.32 11°.1/20.8 18				
10 8	4 4.75	+45 1.8	1.984	2.665	18.3	17.6
10 18	3 59.57	+46 50.4	1.891	2.656	16.4	17.4
10 28	3 50.38	+48 22.6	1.816	2.647	14.2	17.2
11 7	3 37.67	+49 29.3	1.762	2.638	12.3	17.1
11 17	3 22.69	+50 2.8	1.733	2.629	11.2	17.0
11 27	3 7.43	+50 0.1	1.728	2.620	11.4	17.0
12 7	2 54.00	+49 25.2	1.748	2.611	12.8	17.0
12 17	2 44.01	+48 27.4	1.790	2.601	14.8	17.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
35290 1996 TE_{42}		11 15.7 91°.48 0°.8/16.1 18				
	h m	° ′			°	m
10 8	3 58.88	+20 46.2	1.453	2.256	18.9	18.1
10 18	3 53.86	+20 55.8	1.389	2.272	14.9	17.9
10 28	3 45.58	+20 56.0	1.344	2.287	10.2	17.7
11 7	3 34.91	+20 46.6	1.323	2.302	5.0	17.4
11 17	3 23.16	+20 29.2	1.329	2.317	0.9	17.2
11 27	3 11.94	+20 7.6	1.363	2.332	5.9	17.6
12 7	3 2.68	+19 47.3	1.422	2.347	10.7	17.9
12 17	2 56.28	+19 33.1	1.506	2.361	14.9	18.2
371381 2006 QP_{126}		11 15.7 34°.13 1°.0/15.4 18				
10 8	3 53.97	+17 20.4	1.106	1.944	21.4	20.4
10 18	3 50.76	+17 19.4	1.052	1.956	16.8	20.2
10 28	3 43.84	+17 10.5	1.015	1.968	11.4	19.9
11 7	3 34.17	+16 55.8	1.000	1.982	5.4	19.6
11 17	3 23.28	+16 38.4	1.009	1.997	1.4	19.4
11 27	3 13.03	+16 23.3	1.042	2.012	7.1	19.8
12 7	3 5.03	+16 15.7	1.099	2.029	12.6	20.2
12 17	3 0.27	+16 19.1	1.178	2.045	17.2	20.5
302700 2002 TU_{150}		11 15.7 356°.13 0°.6/16.1 17				
10 8	3 45.81	+21 59.9	1.271	2.105	19.4	21.0
10 18	3 44.27	+21 47.4	1.197	2.099	15.4	20.7
10 28	3 39.47	+21 21.0	1.142	2.094	10.6	20.5
11 7	3 32.16	+20 42.0	1.109	2.090	5.2	20.2
11 17	3 23.55	+19 54.1	1.100	2.088	0.8	19.8
11 27	3 15.24	+19 3.6	1.116	2.088	6.3	20.2
12 7	3 8.71	+18 18.2	1.155	2.089	11.6	20.5
12 17	3 4.97	+17 44.0	1.217	2.092	16.2	20.8
304186 2006 QN_{56}		11 15.7 55°.06 1°.8/14.7 18				
10 8	3 51.04	+16 39.1	1.727	2.539	16.0	20.7
10 18	3 47.13	+15 59.8	1.659	2.550	12.5	20.5
10 28	3 40.71	+15 13.3	1.613	2.561	8.4	20.3
11 7	3 32.51	+14 22.9	1.592	2.572	4.1	20.0
11 17	3 23.52	+13 33.0	1.598	2.583	2.1	19.9
11 27	3 14.92	+12 49.0	1.632	2.595	6.0	20.2
12 7	3 7.77	+12 15.3	1.693	2.607	10.1	20.5
12 17	3 2.80	+11 55.1	1.778	2.619	13.6	20.7
460529 2014 TW_{26}		11 15.8 343°.77 3°.1/17.1 17				
10 8	3 54.15	+25 21.3	2.069	2.845	14.9	21.0
10 18	3 49.68	+26 11.2	1.977	2.840	12.1	20.8
10 28	3 42.63	+26 53.6	1.908	2.836	8.7	20.6
11 7	3 33.56	+27 26.3	1.863	2.832	5.3	20.3
11 17	3 23.35	+27 47.4	1.847	2.828	3.1	20.2
11 27	3 13.19	+27 57.7	1.860	2.824	5.2	20.3
12 7	3 4.24	+27 59.7	1.900	2.821	8.7	20.5
12 17	2 57.41	+27 57.7	1.967	2.819	12.0	20.7
484492 2008 CA_{208}		11 15.8 351°.47 5°.2/18.4 17				
10 8	3 50.49	+30 55.9	1.532	2.322	18.7	21.1
10 18	3 47.77	+31 26.7	1.450	2.316	15.5	20.9
10 28	3 41.80	+31 40.8	1.387	2.311	11.7	20.6
11 7	3 33.28	+31 34.9	1.345	2.307	7.8	20.4
11 17	3 23.40	+31 7.9	1.328	2.304	5.2	20.3
11 27	3 13.73	+30 22.8	1.337	2.302	6.8	20.3
12 7	3 5.80	+29 26.9	1.371	2.300	10.6	20.6
12 17	3 0.66	+28 28.7	1.429	2.300	14.5	20.8
375657 2009 CP_{5}		11 15.8 170°.72 19°.1/21.7 13 C				
10 8	4 41.04	+45 57.4	0.849	1.578	34.3	23.6
10 18	4 34.26	+48 31.3	0.790	1.591	30.6	23.3
10 28	4 17.98	+50 40.1	0.741	1.601	26.4	23.1
11 7	3 52.26	+51 54.3	0.705	1.608	22.2	22.8
11 17	3 20.60	+51 42.9	0.688	1.610	19.4	22.7
11 27	2 50.05	+49 57.0	0.690	1.610	19.5	22.7
12 7	2 26.88	+47 2.6	0.712	1.605	22.4	22.9
12 17	2 13.42	+43 42.0	0.752	1.597	26.6	23.1
295101 2008 EL_{161}		11 15.8 56°.20 6°.7/11.3 18				
10 8	3 49.16	+ 4 22.4	1.833	2.649	15.0	20.6
10 18	3 45.32	+ 2 52.6	1.779	2.665	12.0	20.4
10 28	3 39.29	+ 1 25.2	1.747	2.681	9.0	20.3
11 7	3 31.77	+ 0 7.4	1.741	2.696	7.0	20.2
11 17	3 23.65	− 0 54.4	1.762	2.713	7.1	20.2
11 27	3 15.93	− 1 35.1	1.810	2.729	9.3	20.4
12 7	3 9.50	− 1 52.8	1.883	2.745	12.0	20.6
12 17	3 4.99	− 1 48.3	1.978	2.762	14.6	20.8
276667 2003 WH_{76}		11 15.8 46°.23 3°.2/18.1 18				
10 8	3 50.74	+30 1.1	2.228	2.992	14.3	20.5
10 18	3 46.66	+30 2.5	2.145	2.997	11.7	20.4
10 28	3 40.32	+29 50.4	2.082	3.003	8.6	20.2
11 7	3 32.33	+29 24.2	2.045	3.009	5.4	20.0
11 17	3 23.56	+28 44.6	2.036	3.015	3.2	19.9
11 27	3 15.06	+27 54.9	2.056	3.021	4.7	20.0
12 7	3 7.80	+27 0.2	2.104	3.027	7.8	20.2
12 17	3 2.47	+26 6.1	2.179	3.034	10.9	20.4

404572 2013 JX_{59} 11 15.8 82°.75 0°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.30	+17 35.3	2.220	3.014	13.5	21.1
10 18	3 46.76	+17 18.2	2.150	3.030	10.5	20.9
10 28	3 40.19	+16 55.5	2.102	3.045	7.1	20.8
11 7	3 32.20	+16 29.0	2.080	3.060	3.3	20.5
11 17	3 23.59	+16 1.0	2.088	3.076	1.1	20.4
11 27	3 15.29	+15 34.9	2.125	3.091	4.6	20.7
12 7	3 8.14	+15 13.8	2.192	3.106	8.1	20.9
12 17	3 2.76	+15 0.4	2.283	3.120	11.1	21.2

234706 2002 GQ_{171} 11 15.8 136°.56 1°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.11	+23 17.9	1.868	2.653	16.0	20.4
10 18	3 51.24	+23 35.7	1.787	2.658	12.8	20.2
10 28	3 43.64	+23 44.3	1.727	2.662	8.9	20.0
11 7	3 34.00	+23 42.8	1.692	2.667	4.8	19.8
11 17	3 23.33	+23 31.6	1.684	2.671	1.8	19.6
11 27	3 12.91	+23 13.3	1.706	2.675	5.0	19.8
12 7	3 3.94	+22 52.2	1.756	2.679	9.1	20.1
12 17	2 57.30	+22 33.0	1.831	2.682	12.8	20.3

269883 2000 GP_{26} 11 15.8 218°.94 0°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.54	+20 36.7	1.865	2.656	15.8	21.5
10 18	3 50.84	+20 30.2	1.772	2.650	12.5	21.3
10 28	3 43.43	+20 14.9	1.702	2.643	8.6	21.1
11 7	3 33.94	+19 51.4	1.656	2.636	4.2	20.8
11 17	3 23.34	+19 21.4	1.639	2.628	0.6	20.5
11 27	3 12.89	+18 48.6	1.651	2.619	5.2	20.8
12 7	3 3.81	+18 18.0	1.691	2.611	9.7	21.1
12 17	2 57.00	+17 54.0	1.756	2.601	13.5	21.3

378607 2008 EW_{156} 11 15.8 320°.82 0°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.36	+18 16.9	1.257	2.089	19.7	21.3
10 18	3 48.84	+18 10.0	1.174	2.075	15.7	21.0
10 28	3 42.79	+17 53.9	1.110	2.062	10.8	20.7
11 7	3 33.88	+17 30.0	1.067	2.049	5.2	20.3
11 17	3 23.34	+17 1.4	1.048	2.037	1.2	20.0
11 27	3 12.90	+16 33.5	1.055	2.025	7.1	20.4
12 7	3 4.28	+16 12.5	1.086	2.014	12.8	20.7
12 17	2 58.69	+16 3.4	1.137	2.004	17.7	20.9

265986 2006 DP_{70} 11 15.8 356°.48 0°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.30	+19 33.2	1.780	2.589	15.7	20.6
10 18	3 45.98	+19 30.5	1.698	2.586	12.4	20.4
10 28	3 40.12	+19 20.3	1.638	2.584	8.5	20.1
11 7	3 32.34	+19 3.4	1.602	2.582	4.1	19.9
11 17	3 23.58	+18 41.9	1.593	2.581	0.6	19.6
11 27	3 15.03	+18 19.3	1.612	2.581	5.2	19.9
12 7	3 7.80	+18 0.0	1.657	2.581	9.5	20.2
12 17	3 2.73	+17 47.4	1.727	2.583	13.2	20.4

361355 2006 UZ_{211} 11 15.8 292°.79 1°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.25	+25 7.8	1.995	2.778	15.1	21.7
10 18	3 48.12	+25 10.9	1.906	2.776	12.1	21.4
10 28	3 41.48	+25 2.9	1.840	2.774	8.6	21.2
11 7	3 32.97	+24 43.6	1.798	2.772	4.7	21.0
11 17	3 23.49	+24 13.8	1.784	2.770	1.9	20.8
11 27	3 14.21	+23 36.9	1.799	2.768	4.8	21.0
12 7	3 6.23	+22 57.7	1.841	2.766	8.7	21.2
12 17	3 0.36	+22 21.3	1.910	2.764	12.2	21.4

484455 2008 BX_{50} 11 15.8 9°.74 3°.2/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.00	+12 32.9	1.725	2.543	15.7	21.1
10 18	3 46.42	+11 56.5	1.650	2.544	12.4	20.9
10 28	3 40.33	+11 16.5	1.597	2.545	8.5	20.6
11 7	3 32.40	+10 36.7	1.568	2.546	4.6	20.4
11 17	3 23.58	+10 1.6	1.567	2.548	3.5	20.3
11 27	3 15.04	+ 9 35.7	1.593	2.551	6.8	20.6
12 7	3 7.86	+ 9 22.6	1.646	2.553	10.7	20.8
12 17	3 2.81	+ 9 24.1	1.722	2.556	14.3	21.0

149943 2005 SV_{249} 11 15.8 323°.06 5°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.04	+ 9 12.9	1.430	2.260	17.8	19.9
10 18	3 47.79	+ 8 12.8	1.356	2.254	14.2	19.6
10 28	3 41.56	+ 7 10.1	1.301	2.248	10.1	19.4
11 7	3 33.09	+ 6 11.0	1.270	2.243	6.5	19.2
11 17	3 23.47	+ 5 22.8	1.265	2.238	6.0	19.1
11 27	3 14.13	+ 4 52.1	1.286	2.233	9.3	19.3
12 7	3 6.37	+ 4 42.6	1.330	2.229	13.5	19.5
12 17	3 1.14	+ 4 55.2	1.396	2.225	17.3	19.8

447558 2006 SO_{394} 11 15.8 61°.90 3°.4/17.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.92	+27 8.3	1.747	2.525	17.1	21.1
10 18	3 51.96	+27 41.5	1.683	2.546	13.8	21.0
10 28	3 44.11	+28 2.3	1.640	2.567	10.0	20.8
11 7	3 34.19	+28 8.6	1.621	2.588	6.0	20.6
11 17	3 23.34	+28 0.1	1.629	2.609	3.5	20.5
11 27	3 12.95	+27 39.6	1.665	2.631	5.5	20.7
12 7	3 4.25	+27 12.3	1.729	2.652	9.2	20.9
12 17	2 58.09	+26 44.0	1.817	2.673	12.6	21.2

236779 2007 PX_{11} 11 15.8 112°.45 0°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.97	+18 15.8	1.986	2.776	15.0	21.0
10 18	3 50.65	+18 7.5	1.916	2.794	11.7	20.9
10 28	3 42.94	+17 52.9	1.868	2.810	7.9	20.7
11 7	3 33.55	+17 33.3	1.847	2.826	3.7	20.4
11 17	3 23.43	+17 10.7	1.854	2.842	0.8	20.2
11 27	3 13.69	+16 48.6	1.891	2.857	4.9	20.6
12 7	3 5.33	+16 30.4	1.957	2.872	8.8	20.8
12 17	2 59.06	+16 19.3	2.048	2.886	12.2	21.1

259442 2003 SL_{39} 11 15.8 22°.17 2°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.06	+23 59.7	1.018	1.857	22.8	20.0
10 18	3 49.03	+24 7.9	0.963	1.864	18.2	19.7
10 28	3 42.97	+23 59.4	0.924	1.874	12.7	19.4
11 7	3 33.88	+23 33.9	0.905	1.884	6.7	19.2
11 17	3 23.38	+22 53.9	0.908	1.896	2.2	18.9
11 27	3 13.52	+22 6.3	0.936	1.909	7.0	19.3
12 7	3 6.08	+21 20.3	0.986	1.923	12.6	19.6
12 17	3 2.12	+20 43.8	1.056	1.938	17.5	20.0

45656 2000 EN_{74} 11 15.8 60°.59 0°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.94	+16 49.5	1.815	2.617	15.7	18.4
10 18	3 49.41	+16 53.4	1.740	2.625	12.3	18.2
10 28	3 42.32	+16 52.5	1.688	2.633	8.3	18.0
11 7	3 33.35	+16 48.0	1.660	2.641	4.0	17.8
11 17	3 23.47	+16 41.4	1.661	2.649	1.0	17.6
11 27	3 13.89	+16 35.6	1.690	2.657	5.3	17.9
12 7	3 5.71	+16 33.6	1.747	2.666	9.5	18.2
12 17	2 59.74	+16 38.2	1.828	2.674	13.1	18.4

119362 2001 SQ_{246} 11 15.8 226°.98 1°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.68	+22 59.9	1.799	2.586	16.4	20.2
10 18	3 51.96	+23 18.9	1.708	2.580	13.2	20.0
10 28	3 44.35	+23 28.9	1.638	2.575	9.3	19.7
11 7	3 34.45	+23 28.9	1.593	2.568	4.9	19.5
11 17	3 23.32	+23 18.8	1.575	2.562	1.8	19.2
11 27	3 12.30	+23 1.0	1.586	2.555	5.3	19.5
12 7	3 2.73	+22 40.2	1.625	2.548	9.7	19.7
12 17	2 55.59	+22 21.3	1.689	2.541	13.7	19.9

332193 2006 DD_{34} 11 15.8 199°.88 1°.9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.77	+13 34.9	2.874	3.664	10.8	22.2
10 18	3 44.42	+13 2.8	2.782	3.660	8.4	22.0
10 28	3 38.48	+12 27.6	2.715	3.657	5.7	21.8
11 7	3 31.40	+11 51.3	2.676	3.653	3.0	21.7
11 17	3 23.77	+11 16.7	2.667	3.649	2.1	21.6
11 27	3 16.26	+10 46.7	2.688	3.644	4.5	21.7
12 7	3 9.55	+10 23.7	2.740	3.639	7.3	21.9
12 17	3 4.16	+10 9.6	2.817	3.633	9.9	22.1

457903 2009 TG_{48} 11 15.8 259°.24 1°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.57	+24 15.9	2.402	3.174	13.2	21.6
10 18	3 48.03	+24 33.2	2.300	3.164	10.6	21.4
10 28	3 41.30	+24 42.7	2.222	3.153	7.5	21.2
11 7	3 32.88	+24 43.6	2.169	3.142	4.2	20.9
11 17	3 23.54	+24 36.0	2.146	3.131	1.8	20.8
11 27	3 14.25	+24 21.5	2.153	3.120	4.3	20.9
12 7	3 5.97	+24 3.5	2.188	3.109	7.7	21.1
12 17	2 59.46	+23 45.6	2.251	3.098	10.9	21.3

398756 2013 AX_{39} 11 15.8 303°.89 8°.9/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.83	− 1 40.7	1.717	2.527	16.1	20.6
10 18	3 47.13	− 2 46.7	1.639	2.515	13.4	20.4
10 28	3 40.89	− 3 45.7	1.583	2.503	10.8	20.2
11 7	3 32.73	− 4 30.0	1.551	2.492	9.1	20.0
11 17	3 23.57	− 4 53.1	1.544	2.480	9.3	20.0
11 27	3 14.58	− 4 50.3	1.562	2.469	11.4	20.1
12 7	3 6.89	− 4 20.8	1.604	2.458	14.2	20.3
12 17	3 1.32	− 3 26.8	1.667	2.447	17.1	20.5

3578 Carestia 11 15.8 59°.02 7°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.74	+44 14.9	2.241	2.931	16.2	15.2
10 18	3 50.85	+44 26.1	2.169	2.950	14.1	15.0
10 28	3 43.22	+44 15.6	2.115	2.970	11.6	14.9
11 7	3 33.71	+43 40.4	2.084	2.989	9.2	14.8
11 17	3 23.46	+42 39.8	2.078	3.009	7.6	14.7
11 27	3 13.78	+41 17.2	2.099	3.029	7.5	14.8
12 7	3 5.80	+39 39.8	2.149	3.049	8.9	14.9
12 17	3 0.24	+37 55.9	2.224	3.069	11.1	15.1

85978 1999 GD_{45} 11 15.8 259°.81 4°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.66	+ 8 48.8	2.145	2.950	13.5	19.6
10 18	3 46.53	+ 8 6.2	2.052	2.937	10.7	19.4
10 28	3 40.26	+ 7 22.3	1.982	2.923	7.6	19.2
11 7	3 32.37	+ 6 41.1	1.939	2.909	4.8	19.0
11 17	3 23.63	+ 6 6.6	1.923	2.896	4.4	18.9
11 27	3 14.99	+ 5 43.1	1.937	2.881	6.9	19.0
12 7	3 7.37	+ 5 33.4	1.978	2.867	10.2	19.2
12 17	3 1.52	+ 5 38.7	2.043	2.853	13.3	19.4

263052 2007 HF_{49} 11 15.8 88°.00 1°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.21	+14 8.7	2.308	3.106	12.9	20.7
10 18	3 45.87	+13 46.5	2.232	3.115	10.0	20.6
10 28	3 39.60	+13 21.0	2.180	3.124	6.8	20.4
11 7	3 31.97	+12 54.5	2.155	3.133	3.4	20.2
11 17	3 23.70	+12 29.6	2.158	3.142	2.1	20.1
11 27	3 15.69	+12 9.5	2.191	3.151	5.0	20.3
12 7	3 8.72	+11 56.7	2.253	3.160	8.3	20.5
12 17	3 3.41	+11 53.1	2.340	3.169	11.2	20.7

14655 1998 YJ_{22} 11 15.8 308°.04 3°.1/13.9 18

10 8	3 50.57	+12 38.8	1.901	2.712	14.8	18.1
10 18	3 46.66	+11 57.2	1.821	2.710	11.6	17.9
10 28	3 40.41	+11 11.6	1.763	2.709	8.0	17.7
11 7	3 32.44	+10 25.7	1.731	2.708	4.4	17.4
11 17	3 23.64	+ 9 43.8	1.726	2.706	3.4	17.4
11 27	3 15.07	+ 9 10.7	1.750	2.705	6.5	17.6
12 7	3 7.73	+ 8 50.0	1.801	2.704	10.2	17.8
12 17	3 2.38	+ 8 43.7	1.876	2.703	13.6	18.0

129605 1997 WH_{29} 11 15.8 334°.86 0°.5/16.1 17

10 8	3 48.48	+22 47.8	2.204	2.994	13.7	20.3
10 18	3 44.85	+22 19.8	2.114	2.991	10.8	20.1
10 28	3 39.09	+21 41.5	2.047	2.987	7.4	19.9
11 7	3 31.79	+20 54.2	2.005	2.984	3.7	19.6
11 17	3 23.73	+20 0.4	1.992	2.981	0.6	19.4
11 27	3 15.87	+19 4.5	2.009	2.978	4.4	19.7
12 7	3 9.11	+18 11.5	2.054	2.975	8.1	19.9
12 17	3 4.14	+17 25.7	2.125	2.972	11.4	20.1

68936 2002 PM_{46} 11 15.8 64°.52 6°.1/12.2 18

10 8	3 51.60	+ 6 54.1	1.673	2.491	16.2	19.1
10 18	3 47.38	+ 5 33.3	1.622	2.512	12.8	18.9
10 28	3 40.76	+ 4 13.5	1.593	2.533	9.2	18.7
11 7	3 32.51	+ 3 1.5	1.590	2.554	6.5	18.6
11 17	3 23.65	+ 2 4.0	1.613	2.575	6.4	18.7
11 27	3 15.29	+ 1 26.1	1.664	2.596	8.9	18.9
12 7	3 8.42	+ 1 9.9	1.740	2.618	12.0	19.1
12 17	3 3.67	+ 1 14.9	1.838	2.639	14.9	19.4

335373 2005 SY_{170} 11 15.8 186°.48 1°.7/14.8 18

10 8	3 53.45	+17 54.4	1.725	2.531	16.3	21.4
10 18	3 49.20	+17 8.0	1.644	2.531	12.8	21.1
10 28	3 42.28	+16 11.9	1.584	2.530	8.7	20.9
11 7	3 33.38	+15 9.4	1.549	2.530	4.2	20.6
11 17	3 23.51	+14 5.1	1.543	2.529	2.0	20.5
11 27	3 13.95	+13 5.3	1.565	2.528	6.2	20.8
12 7	3 5.85	+12 16.0	1.614	2.526	10.5	21.0
12 17	3 0.05	+11 41.3	1.687	2.524	14.4	21.3

461229 2015 WO_{3} 11 15.8 25°.08 0°.3/15.9 18

10 8	3 49.18	+24 22.1	1.881	2.676	15.5	20.2
10 18	3 45.64	+23 24.5	1.801	2.680	12.2	20.0
10 28	3 39.71	+22 12.1	1.744	2.685	8.4	19.7
11 7	3 32.08	+20 47.5	1.712	2.691	4.1	19.5
11 17	3 23.71	+19 15.5	1.708	2.697	0.5	19.2
11 27	3 15.70	+17 43.0	1.734	2.703	4.9	19.6
12 7	3 9.05	+16 17.5	1.788	2.709	9.1	19.8
12 17	3 4.47	+15 4.8	1.867	2.716	12.7	20.1

191197 2002 PS_{37} 11 15.8 76°.90 2°.8/13.9 18

10 8	3 49.88	+11 34.3	2.293	3.094	12.9	20.4
10 18	3 45.54	+11 0.9	2.226	3.110	10.0	20.2
10 28	3 39.32	+10 25.8	2.182	3.125	6.9	20.1
11 7	3 31.81	+ 9 51.8	2.165	3.140	3.8	19.9
11 17	3 23.75	+ 9 22.4	2.177	3.156	3.0	19.9
11 27	3 15.98	+ 9 0.5	2.218	3.171	5.5	20.1
12 7	3 9.27	+ 8 48.7	2.288	3.186	8.6	20.3
12 17	3 4.21	+ 8 48.1	2.382	3.201	11.3	20.5

320936 2008 GW_{130} 11 15.8 284°.86 5°.1/12.2 18

10 8	3 48.56	+ 7 25.9	2.071	2.882	13.7	21.1
10 18	3 44.88	+ 6 18.1	1.989	2.876	10.9	20.9
10 28	3 39.11	+ 5 9.0	1.930	2.869	7.9	20.7
11 7	3 31.81	+ 4 3.9	1.897	2.863	5.5	20.5
11 17	3 23.74	+ 3 8.2	1.892	2.856	5.4	20.5
11 27	3 15.87	+ 2 27.1	1.916	2.850	7.8	20.6
12 7	3 9.06	+ 2 3.7	1.966	2.843	10.9	20.8
12 17	3 4.00	+ 1 59.0	2.039	2.837	13.7	21.0

49391 1998 XH_{25} 11 15.8 199°.83 1°.9/14.7 18

10 8	3 53.11	+14 8.9	2.123	2.920	13.9	19.7
10 18	3 48.45	+13 53.6	2.036	2.918	10.9	19.5
10 28	3 41.55	+13 35.0	1.972	2.916	7.4	19.2
11 7	3 32.99	+13 14.9	1.935	2.914	3.7	19.0
11 17	3 23.60	+12 56.1	1.926	2.911	2.1	18.9
11 27	3 14.38	+12 41.6	1.947	2.908	5.4	19.1
12 7	3 6.29	+12 34.2	1.996	2.905	9.1	19.3
12 17	3 0.08	+12 36.0	2.071	2.901	12.4	19.5

36680 2000 RK_{1} 11 15.8 67°.33 2°.9/14.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.67	+16 1.9	1.244	2.071	20.1	18.5
10 18	3 51.50	+15 9.4	1.192	2.091	15.7	18.2
10 28	3 44.01	+14 8.4	1.159	2.110	10.6	18.0
11 7	3 34.19	+13 4.1	1.149	2.129	5.3	17.8
11 17	3 23.46	+12 3.2	1.164	2.149	3.3	17.7
11 27	3 13.46	+11 13.3	1.206	2.169	7.7	18.0
12 7	3 5.55	+10 39.9	1.273	2.188	12.5	18.4
12 17	3 0.55	+10 25.4	1.361	2.208	16.6	18.7

173578 2001 BJ_{68} 11 15.8 229°.95 0°.3/15.9 18

10 8	3 56.29	+20 45.2	1.757	2.551	16.5	20.5
10 18	3 51.68	+20 38.4	1.663	2.542	13.1	20.3
10 28	3 44.18	+20 22.2	1.591	2.532	9.1	20.0
11 7	3 34.41	+19 56.9	1.543	2.522	4.4	19.7
11 17	3 23.40	+19 24.5	1.523	2.511	0.6	19.4
11 27	3 12.51	+18 48.9	1.531	2.500	5.5	19.8
12 7	3 3.06	+18 15.4	1.567	2.488	10.2	20.0
12 17	2 56.04	+17 49.2	1.628	2.476	14.3	20.2

476396 2008 CP_{182} 11 15.8 153°.15 2°.1/14.8 16

10 8	3 57.57	+14 4.1	1.898	2.693	15.4	21.9
10 18	3 52.08	+13 46.9	1.822	2.702	12.1	21.7
10 28	3 44.05	+13 26.1	1.767	2.710	8.2	21.5
11 7	3 34.19	+13 3.8	1.739	2.717	4.1	21.2
11 17	3 23.45	+12 43.0	1.739	2.724	2.3	21.1
11 27	3 13.04	+12 27.1	1.769	2.730	5.9	21.4
12 7	3 4.03	+12 19.2	1.828	2.735	9.8	21.6
12 17	2 57.21	+12 21.5	1.911	2.739	13.3	21.9

226671 2004 GF_{80} 11 15.8 148°.44 0°.5/15.5 18

10 8	3 54.69	+19 5.6	1.636	2.441	17.0	21.8
10 18	3 50.39	+18 49.5	1.558	2.444	13.4	21.6
10 28	3 43.21	+18 24.7	1.500	2.446	9.2	21.3
11 7	3 33.88	+17 52.6	1.467	2.448	4.4	21.1
11 17	3 23.49	+17 16.2	1.461	2.450	0.9	20.8
11 27	3 13.40	+16 40.3	1.484	2.451	5.8	21.2
12 7	3 4.89	+16 10.0	1.533	2.453	10.4	21.4
12 17	2 58.84	+15 49.6	1.606	2.454	14.4	21.7

155045 2005 RF_{8} 11 15.8 54°.16 1°.2/16.3 18

10 8	3 57.48	+21 59.0	1.284	2.097	20.4	19.5
10 18	3 52.99	+22 6.0	1.233	2.122	16.0	19.3
10 28	3 45.06	+22 1.1	1.202	2.146	11.0	19.0
11 7	3 34.71	+21 44.6	1.192	2.171	5.5	18.8
11 17	3 23.40	+21 18.6	1.209	2.197	1.3	18.6
11 27	3 12.84	+20 48.2	1.251	2.222	6.1	19.0
12 7	3 4.46	+20 19.7	1.320	2.248	11.0	19.3
12 17	2 59.12	+19 58.5	1.411	2.273	15.2	19.7

102278 1999 TH_{55} 11 15.8 325°.40 1°.5/16.5 18

10 8	3 51.68	+22 24.6	1.529	2.338	17.8	20.2
10 18	3 48.57	+22 38.4	1.440	2.326	14.3	19.9
10 28	3 42.35	+22 42.3	1.371	2.314	10.0	19.7
11 7	3 33.64	+22 35.4	1.325	2.303	5.2	19.4
11 17	3 23.52	+22 18.4	1.305	2.292	1.6	19.1
11 27	3 13.48	+21 54.7	1.311	2.282	5.8	19.3
12 7	3 5.01	+21 29.6	1.344	2.273	10.8	19.6
12 17	2 59.18	+21 8.9	1.399	2.264	15.2	19.8

132211 2002 EM_{58} 11 15.8 168°.63 0°.5/16.1 18

10 8	3 54.19	+21 47.7	1.896	2.686	15.6	20.5
10 18	3 49.66	+21 36.2	1.812	2.688	12.3	20.3
10 28	3 42.55	+21 14.9	1.750	2.690	8.5	20.0
11 7	3 33.52	+20 44.5	1.713	2.692	4.2	19.8
11 17	3 23.56	+20 7.1	1.704	2.693	0.7	19.5
11 27	3 13.86	+19 26.8	1.725	2.694	5.0	19.9
12 7	3 5.53	+18 48.6	1.773	2.694	9.2	20.1
12 17	2 59.40	+18 17.2	1.847	2.695	12.9	20.3

169972 2002 TO_{168} 11 15.8 17°.69 3°.6/18.2 18

10 8	3 51.73	+30 50.3	1.706	2.485	17.5	19.5
10 18	3 48.20	+30 37.9	1.625	2.487	14.3	19.2
10 28	3 41.77	+30 6.8	1.564	2.489	10.5	19.0
11 7	3 33.20	+29 16.1	1.525	2.492	6.5	18.8
11 17	3 23.61	+28 7.4	1.514	2.495	3.7	18.6
11 27	3 14.40	+26 46.5	1.530	2.498	5.6	18.8
12 7	3 6.82	+25 21.5	1.573	2.502	9.5	19.0
12 17	3 1.73	+24 0.9	1.642	2.506	13.3	19.2

358554 2007 TL_{165} 11 15.8 341°.25 4°.2/16.7 18

10 8	3 54.31	+22 25.0	1.299	2.117	20.0	20.1
10 18	3 51.55	+23 52.6	1.212	2.100	16.3	19.8
10 28	3 45.01	+25 17.5	1.143	2.084	11.8	19.5
11 7	3 35.20	+26 34.9	1.097	2.070	7.1	19.2
11 17	3 23.29	+27 39.4	1.075	2.057	4.2	19.0
11 27	3 11.16	+28 28.1	1.079	2.046	7.4	19.2
12 7	3 0.79	+29 2.7	1.107	2.036	12.4	19.4
12 17	2 53.71	+29 28.1	1.156	2.028	17.1	19.7

389545 2010 LL_{133} 11 15.8 177°.10 2°.6/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.96	+12 37.8	2.286	3.080	13.1	22.2
10 18	3 48.09	+12 4.0	2.202	3.082	10.3	22.0
10 28	3 41.17	+11 27.1	2.141	3.084	7.0	21.8
11 7	3 32.79	+10 50.0	2.108	3.085	3.8	21.6
11 17	3 23.69	+10 15.8	2.104	3.085	2.8	21.6
11 27	3 14.80	+ 9 48.2	2.131	3.085	5.6	21.7
12 7	3 6.99	+ 9 30.2	2.185	3.084	8.9	21.9
12 17	3 0.90	+ 9 23.5	2.266	3.083	11.9	22.1

262429 2006 UV_{79} 11 15.8 35°.67 2°.4/14.4 18

10 8	3 50.43	+14 56.1	1.821	2.633	15.3	20.7
10 18	3 46.64	+14 16.7	1.745	2.636	12.0	20.5
10 28	3 40.45	+13 31.5	1.692	2.639	8.1	20.3
11 7	3 32.50	+12 44.0	1.664	2.643	4.1	20.1
11 17	3 23.73	+11 58.4	1.663	2.647	2.7	20.0
11 27	3 15.25	+11 19.7	1.691	2.651	6.1	20.2
12 7	3 8.09	+10 52.0	1.745	2.655	10.1	20.5
12 17	3 2.99	+10 38.0	1.824	2.659	13.6	20.7

380216 2001 QQ_{188} 11 15.8 32°.38 1°.8/15.1 18

10 8	3 52.30	+16 31.1	1.150	1.988	20.7	20.2
10 18	3 49.26	+16 11.6	1.098	2.002	16.2	20.0
10 28	3 42.73	+15 44.4	1.064	2.018	10.9	19.7
11 7	3 33.69	+15 12.9	1.052	2.034	5.2	19.5
11 17	3 23.58	+14 41.7	1.064	2.051	2.2	19.3
11 27	3 14.13	+14 16.8	1.101	2.069	7.2	19.7
12 7	3 6.78	+14 3.0	1.162	2.088	12.4	20.1
12 17	3 2.44	+14 3.2	1.244	2.108	16.8	20.4

440382 2005 ET_{122} 11 15.8 349°.60 10°.4/20.8 16

10 8	3 55.04	+40 10.6	1.488	2.237	20.9	20.8
10 18	3 52.24	+41 34.4	1.408	2.231	18.2	20.6
10 28	3 45.45	+42 37.6	1.345	2.226	15.2	20.4
11 7	3 35.34	+43 12.3	1.301	2.222	12.4	20.2
11 17	3 23.31	+43 12.2	1.280	2.219	10.6	20.1
11 27	3 11.40	+42 37.1	1.282	2.216	10.8	20.1
12 7	3 1.64	+41 34.0	1.308	2.215	13.0	20.3
12 17	2 55.40	+40 14.4	1.355	2.214	16.0	20.5

333218 2012 HA_{38} 11 15.8 180°.12 0°.6/15.4 17

10 8	3 51.34	+16 45.0	2.594	3.380	12.0	21.1
10 18	3 46.68	+16 45.6	2.505	3.381	9.4	21.0
10 28	3 40.17	+16 42.4	2.439	3.381	6.3	20.8
11 7	3 32.31	+16 36.5	2.401	3.381	3.0	20.6
11 17	3 23.77	+16 29.2	2.393	3.381	0.8	20.4
11 27	3 15.36	+16 22.4	2.415	3.380	4.1	20.6
12 7	3 7.87	+16 18.5	2.467	3.380	7.3	20.8
12 17	3 1.92	+16 19.5	2.545	3.379	10.2	21.0

117383 2004 YD_4 11 15.8 76°.23 4°.3/13.2 18

10 8	3 50.22	+ 5 57.0	2.319	3.120	12.8	20.3
10 18	3 45.87	+ 5 28.7	2.244	3.124	10.1	20.1
10 28	3 39.63	+ 5 2.5	2.191	3.127	7.3	19.9
11 7	3 32.04	+ 4 41.9	2.165	3.131	4.9	19.8
11 17	3 23.81	+ 4 30.0	2.168	3.135	4.5	19.8
11 27	3 15.79	+ 4 29.4	2.200	3.139	6.6	19.9
12 7	3 8.78	+ 4 41.5	2.259	3.143	9.4	20.1
12 17	3 3.37	+ 5 6.1	2.343	3.147	12.0	20.3

179146 2001 SJ_{353} 11 15.8 320°.73 1°.0/15.2 18

10 8	3 50.65	+18 23.2	1.929	2.732	14.9	20.6
10 18	3 46.80	+17 54.0	1.844	2.730	11.7	20.4
10 28	3 40.57	+17 16.7	1.782	2.728	7.9	20.2
11 7	3 32.58	+16 33.6	1.745	2.726	3.8	19.9
11 17	3 23.73	+15 47.9	1.737	2.724	1.3	19.8
11 27	3 15.10	+15 4.4	1.757	2.723	5.3	20.0
12 7	3 7.72	+14 27.8	1.805	2.721	9.4	20.3
12 17	3 2.35	+14 1.6	1.877	2.720	12.9	20.5

172964 2005 MR_{34} 11 15.8 156°.54 2°.2/14.5 18

10 8	3 51.41	+14 9.6	2.104	2.906	13.9	20.6
10 18	3 47.09	+13 40.1	2.023	2.908	10.9	20.4
10 28	3 40.60	+13 6.5	1.965	2.910	7.4	20.2
11 7	3 32.55	+12 31.5	1.933	2.911	3.8	20.0
11 17	3 23.74	+11 58.3	1.929	2.913	2.4	19.9
11 27	3 15.15	+11 30.7	1.955	2.915	5.6	20.1
12 7	3 7.71	+11 12.1	2.009	2.916	9.1	20.4
12 17	3 2.11	+11 4.5	2.088	2.917	12.3	20.6

108910 2001 PY_{10} 11 15.8 174°.51 4°.2/18.8 17

10 8	3 52.11	+32 51.8	2.547	3.288	13.3	19.7
10 18	3 47.65	+33 14.2	2.454	3.288	11.0	19.5
10 28	3 41.02	+33 24.3	2.384	3.288	8.4	19.4
11 7	3 32.78	+33 20.1	2.338	3.288	5.8	19.2
11 17	3 23.71	+33 1.2	2.320	3.288	4.2	19.1
11 27	3 14.80	+32 29.3	2.332	3.288	5.0	19.1
12 7	3 6.97	+31 48.4	2.372	3.288	7.5	19.3
12 17	3 0.96	+31 3.3	2.439	3.288	10.1	19.5

103814 2000 DW_{19} 11 15.8 252°.73 1°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.99	+15 21.8	2.054	2.854	14.2	19.9
10 18	3 47.78	+14 54.6	1.958	2.842	11.2	19.7
10 28	3 41.25	+14 21.9	1.885	2.830	7.6	19.5
11 7	3 32.94	+13 46.1	1.838	2.818	3.8	19.2
11 17	3 23.69	+13 10.3	1.820	2.805	2.1	19.1
11 27	3 14.54	+12 38.6	1.831	2.792	5.6	19.3
12 7	3 6.52	+12 15.0	1.869	2.779	9.5	19.5
12 17	3 0.41	+12 2.3	1.933	2.766	13.0	19.7

29566 1998 FK_5 11 15.8 58°.19 19°.1/17.6 18

10 8	4 25.88	+37 4.6	0.868	1.641	30.8	17.2
10 18	4 21.21	+41 52.9	0.821	1.654	27.1	17.0
10 28	4 8.73	+46 30.2	0.790	1.668	23.3	16.8
11 7	3 48.10	+50 25.9	0.778	1.683	20.3	16.7
11 17	3 21.43	+53 8.1	0.786	1.698	19.1	16.7
11 27	2 54.04	+54 22.6	0.816	1.713	20.0	16.8
12 7	2 31.84	+54 22.9	0.863	1.729	22.2	17.0
12 17	2 18.20	+53 38.0	0.926	1.744	24.8	17.3

185022 2006 QY_{38} 11 15.8 59°.51 1°.3/16.4 18

10 8	3 55.95	+24 6.9	1.263	2.077	20.6	20.1
10 18	3 51.96	+23 49.0	1.207	2.095	16.4	19.9
10 28	3 44.48	+23 15.1	1.170	2.114	11.3	19.7
11 7	3 34.50	+22 26.4	1.155	2.133	5.7	19.4
11 17	3 23.51	+21 26.9	1.165	2.153	1.3	19.2
11 27	3 13.25	+20 23.9	1.201	2.172	6.2	19.6
12 7	3 5.16	+19 25.8	1.263	2.192	11.3	19.9
12 17	3 0.13	+18 39.4	1.347	2.212	15.6	20.2

201023 Karlwhittenburg 11 15.8 67°.84 1°.4/16.6 18 R

10 8	3 56.32	+23 46.2	1.583	2.379	17.9	19.9
10 18	3 51.55	+23 41.8	1.524	2.402	14.2	19.7
10 28	3 43.86	+23 25.0	1.486	2.425	9.8	19.5
11 7	3 34.12	+22 56.2	1.471	2.448	5.0	19.3
11 17	3 23.56	+22 17.9	1.484	2.472	1.5	19.1
11 27	3 13.60	+21 34.8	1.525	2.495	5.3	19.4
12 7	3 5.44	+20 53.1	1.593	2.518	9.7	19.7
12 17	2 59.86	+20 18.3	1.685	2.541	13.5	20.0

422342 2014 SO_{223} 11 15.8 344°.50 0°.6/16.1 17

10 8	3 52.05	+19 15.4	1.873	2.674	15.4	20.5
10 18	3 48.16	+19 40.1	1.785	2.667	12.2	20.3
10 28	3 41.69	+19 59.8	1.719	2.662	8.4	20.1
11 7	3 33.22	+20 14.1	1.677	2.656	4.2	19.8
11 17	3 23.66	+20 23.3	1.663	2.651	0.8	19.6
11 27	3 14.21	+20 29.2	1.677	2.647	5.0	19.9
12 7	3 6.01	+20 34.5	1.719	2.643	9.2	20.1
12 17	2 59.95	+20 42.3	1.786	2.640	12.9	20.3

144376 2004 DR_{59} 11 15.8 76°.37 0°.5/16.0 18

10 8	3 53.96	+20 5.8	1.915	2.709	15.3	20.1
10 18	3 49.44	+20 14.0	1.836	2.714	12.1	19.9
10 28	3 42.39	+20 15.2	1.778	2.720	8.3	19.7
11 7	3 33.48	+20 9.7	1.746	2.725	4.1	19.5
11 17	3 23.64	+19 58.7	1.742	2.731	0.6	19.2
11 27	3 14.06	+19 44.8	1.767	2.736	4.9	19.5
12 7	3 5.82	+19 31.8	1.820	2.742	8.9	19.8
12 17	2 59.73	+19 23.2	1.899	2.748	12.5	20.0

229238 2004 XY_{80} 11 15.8 309°.64 4°.4/19.1 17

10 8	3 50.46	+34 14.4	2.133	2.884	15.3	19.9
10 18	3 46.89	+34 8.1	2.030	2.870	12.7	19.7
10 28	3 40.79	+33 44.1	1.947	2.856	9.8	19.5
11 7	3 32.76	+33 0.6	1.888	2.842	6.7	19.3
11 17	3 23.74	+31 57.9	1.856	2.828	4.5	19.1
11 27	3 14.88	+30 39.5	1.852	2.814	5.5	19.1
12 7	3 7.31	+29 12.1	1.877	2.801	8.6	19.3
12 17	3 1.87	+27 43.5	1.928	2.788	11.9	19.5

436429 2011 BS_{27} 11 15.8 323°.88 4°.4/17.5 18

10 8	3 53.76	+27 11.6	1.323	2.129	20.3	20.9
10 18	3 50.96	+27 50.6	1.238	2.118	16.6	20.6
10 28	3 44.44	+28 15.8	1.172	2.107	12.2	20.3
11 7	3 34.84	+28 23.6	1.127	2.097	7.5	20.0
11 17	3 23.45	+28 11.8	1.106	2.088	4.4	19.8
11 27	3 12.13	+27 42.8	1.110	2.079	7.1	19.9
12 7	3 2.74	+27 3.8	1.139	2.071	12.0	20.2
12 17	2 56.60	+26 23.4	1.190	2.063	16.6	20.4

238115 2003 MM_1 11 15.8 48°.96 12°.6/ 8.3 18

10 8	3 50.35	− 6 24.4	1.442	2.258	18.4	19.4
10 18	3 46.82	− 8 41.6	1.406	2.274	15.7	19.3
10 28	3 40.60	−10 44.1	1.391	2.290	13.6	19.2
11 7	3 32.56	−12 20.3	1.398	2.307	12.6	19.2
11 17	3 23.81	−13 21.6	1.427	2.324	13.2	19.3
11 27	3 15.61	−13 43.7	1.480	2.341	14.9	19.4
12 7	3 9.04	−13 28.2	1.552	2.358	17.0	19.6
12 17	3 4.80	−12 40.5	1.642	2.376	19.1	19.8

493413 2014 WA_{215} 11 15.8 251°.91 3°.9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 58.90	+28 42.2	2.607	3.348	13.0	21.2
10 18	3 53.09	+29 44.1	2.501	3.338	10.7	21.0
10 28	3 44.88	+30 38.9	2.418	3.327	8.1	20.8
11 7	3 34.76	+31 23.5	2.362	3.317	5.4	20.6
11 17	3 23.48	+31 55.5	2.336	3.306	3.9	20.5
11 27	3 12.08	+32 14.2	2.341	3.296	5.1	20.6
12 7	3 1.65	+32 21.7	2.376	3.285	7.8	20.7
12 17	2 53.05	+32 21.6	2.438	3.274	10.6	20.9

440871 2006 TM_{12} 11 15.8 59°.23 3°.2/13.8 15

10 8	3 54.81	+15 9.8	1.636	2.446	16.8	21.4
10 18	3 49.77	+13 49.2	1.594	2.483	13.0	21.2
10 28	3 42.28	+12 22.8	1.574	2.521	8.7	21.1
11 7	3 33.23	+10 56.5	1.580	2.558	4.6	20.9
11 17	3 23.74	+ 9 37.1	1.614	2.595	3.6	21.0
11 27	3 14.96	+ 8 30.9	1.677	2.631	6.9	21.2
12 7	3 7.85	+ 7 42.4	1.767	2.668	10.6	21.5
12 17	3 2.99	+ 7 13.0	1.881	2.704	13.8	21.8

263532 2008 FY_{2} 11 15.8 245°.01 1°.6/16.8 18

10 8	3 52.84	+24 2.8	2.095	2.877	14.6	21.1
10 18	3 48.51	+24 9.1	2.004	2.873	11.7	20.9
10 28	3 41.78	+24 5.8	1.935	2.869	8.2	20.7
11 7	3 33.22	+23 52.6	1.891	2.866	4.4	20.5
11 17	3 23.71	+23 30.3	1.875	2.862	1.6	20.3
11 27	3 14.36	+23 1.7	1.889	2.858	4.6	20.5
12 7	3 6.21	+22 31.0	1.931	2.854	8.4	20.7
12 17	3 0.08	+22 2.8	1.998	2.849	11.9	20.9

52055 2002 PR_{126} 11 15.8 109°.43 0°.7/15.5 17

10 8	3 59.21	+17 59.4	1.692	2.487	17.0	20.5
10 18	3 53.58	+17 48.8	1.628	2.508	13.3	20.3
10 28	3 45.15	+17 31.2	1.585	2.528	9.0	20.1
11 7	3 34.76	+17 8.1	1.567	2.547	4.2	19.9
11 17	3 23.53	+16 42.1	1.577	2.565	1.0	19.7
11 27	3 12.82	+16 17.1	1.617	2.583	5.6	20.1
12 7	3 3.80	+15 57.6	1.684	2.601	9.9	20.4
12 17	2 57.25	+15 46.8	1.776	2.617	13.6	20.6

348332 2005 EJ_{29} 11 15.8 264°.57 2°.9/17.4 16

10 8	3 55.21	+27 3.6	2.080	2.849	15.1	21.4
10 18	3 50.71	+27 20.5	1.971	2.829	12.3	21.2
10 28	3 43.53	+27 26.5	1.882	2.808	9.0	20.9
11 7	3 34.19	+27 19.7	1.819	2.787	5.4	20.7
11 17	3 23.58	+26 59.7	1.783	2.765	2.9	20.5
11 27	3 12.92	+26 28.4	1.777	2.743	5.2	20.6
12 7	3 3.43	+25 50.3	1.799	2.721	9.0	20.8
12 17	2 56.11	+25 11.3	1.847	2.698	12.7	20.9

285235 1997 TB_{7} 11 15.8 21°.70 0°.1/15.8 18

10 8	3 53.33	+18 14.7	1.722	2.527	16.3	20.2
10 18	3 49.24	+18 23.9	1.645	2.530	12.9	20.0
10 28	3 42.42	+18 27.2	1.588	2.533	8.8	19.7
11 7	3 33.56	+18 25.3	1.557	2.537	4.2	19.5
11 17	3 23.68	+18 19.5	1.552	2.541	0.6	19.2
11 27	3 14.05	+18 12.7	1.576	2.545	5.3	19.6
12 7	3 5.87	+18 8.3	1.627	2.549	9.7	19.8
12 17	2 59.99	+18 9.6	1.702	2.554	13.5	20.1

327628 2006 JY_{52} 11 15.8 105°.19 0°.9/16.4 18

10 8	3 51.98	+21 36.5	2.512	3.290	12.5	20.9
10 18	3 47.28	+21 46.1	2.429	3.298	9.9	20.8
10 28	3 40.63	+21 49.3	2.369	3.305	6.8	20.6
11 7	3 32.58	+21 46.1	2.336	3.313	3.5	20.4
11 17	3 23.84	+21 37.4	2.333	3.320	0.9	20.2
11 27	3 15.29	+21 25.1	2.359	3.328	3.9	20.4
12 7	3 7.74	+21 12.1	2.416	3.335	7.1	20.7
12 17	3 1.84	+21 1.2	2.499	3.342	10.1	20.9

266895 2009 WS_{81} 11 15.8 134°.12 3°.9/13.4 18

10 8	3 50.41	+ 6 46.9	2.464	3.261	12.2	20.5
10 18	3 45.93	+ 6 19.9	2.387	3.265	9.7	20.3
10 28	3 39.64	+ 5 54.3	2.333	3.269	6.9	20.1
11 7	3 32.08	+ 5 33.2	2.306	3.273	4.5	20.0
11 17	3 23.91	+ 5 19.7	2.308	3.277	4.1	20.0
11 27	3 15.94	+ 5 16.2	2.340	3.281	6.1	20.1
12 7	3 8.91	+ 5 24.1	2.399	3.284	8.9	20.3
12 17	3 3.42	+ 5 43.7	2.484	3.287	11.4	20.5

85440 1997 EB_{47} 11 15.8 184°.73 1°.1/16.4 18

10 8	3 57.21	+22 59.9	2.028	2.805	15.1	20.8
10 18	3 51.95	+22 56.1	1.938	2.806	12.1	20.6
10 28	3 44.11	+22 42.5	1.870	2.806	8.4	20.4
11 7	3 34.34	+22 19.0	1.828	2.805	4.3	20.1
11 17	3 23.60	+21 46.9	1.815	2.803	1.1	19.9
11 27	3 13.07	+21 9.7	1.832	2.801	4.8	20.2
12 7	3 3.88	+20 32.2	1.878	2.797	8.8	20.4
12 17	2 56.87	+19 59.3	1.950	2.794	12.4	20.6

129104 2004 XW_{17} 11 15.8 264°.73 6°.2/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.80	+ 1 59.0	2.431	3.232	12.2	19.8
10 18	3 44.03	+ 0 39.2	2.345	3.219	10.0	19.6
10 28	3 38.46	− 0 38.9	2.282	3.205	7.8	19.5
11 7	3 31.56	− 1 50.0	2.246	3.192	6.4	19.4
11 17	3 23.98	− 2 48.4	2.239	3.178	6.6	19.4
11 27	3 16.52	− 3 29.7	2.260	3.164	8.4	19.5
12 7	3 9.92	− 3 51.5	2.306	3.150	10.8	19.6
12 17	3 4.80	− 3 53.4	2.376	3.136	13.1	19.7

476956 2008 XK_{38} 11 15.8 354°.84 0°.7/16.1 18

10 8	3 50.25	+20 4.5	1.272	2.102	19.6	20.4
10 18	3 47.88	+20 20.0	1.198	2.097	15.6	20.2
10 28	3 42.10	+20 26.5	1.142	2.092	10.8	19.9
11 7	3 33.62	+20 24.2	1.109	2.089	5.3	19.6
11 17	3 23.69	+20 14.3	1.099	2.087	0.9	19.2
11 27	3 14.00	+20 0.7	1.115	2.087	6.4	19.6
12 7	3 6.15	+19 48.5	1.154	2.087	11.7	19.9
12 17	3 1.24	+19 42.8	1.216	2.089	16.4	20.2

215315 2001 SC_{319} 11 15.8 54°.00 0°.1/15.8 18

10 8	3 52.05	+19 53.5	1.840	2.641	15.6	21.0
10 18	3 47.99	+19 40.7	1.765	2.648	12.3	20.8
10 28	3 41.42	+19 19.7	1.711	2.655	8.3	20.6
11 7	3 33.04	+18 51.8	1.683	2.663	4.0	20.3
11 17	3 23.79	+18 19.3	1.682	2.670	0.6	20.1
11 27	3 14.86	+17 46.5	1.709	2.678	5.1	20.4
12 7	3 7.30	+17 17.8	1.764	2.686	9.2	20.7
12 17	3 1.88	+16 56.9	1.844	2.694	12.8	20.9

328643 2009 SX_{216} 11 15.8 6°.69 1°.0/16.4 18

10 8	3 50.64	+21 57.5	1.856	2.655	15.5	20.4
10 18	3 47.02	+22 3.6	1.775	2.656	12.3	20.2
10 28	3 40.86	+22 0.9	1.715	2.657	8.5	20.0
11 7	3 32.82	+21 49.6	1.680	2.658	4.3	19.7
11 17	3 23.82	+21 31.0	1.673	2.660	1.1	19.5
11 27	3 15.05	+21 8.2	1.693	2.663	4.9	19.8
12 7	3 7.59	+20 45.5	1.741	2.666	9.0	20.0
12 17	3 2.27	+20 27.1	1.813	2.670	12.6	20.3

479480 2014 AZ_{19} 11 15.8 6°.60 2°.6/14.7 18

10 8	3 49.15	+15 38.1	1.180	2.023	20.0	20.6
10 18	3 46.96	+15 6.6	1.115	2.023	15.7	20.3
10 28	3 41.37	+14 27.1	1.069	2.024	10.7	20.1
11 7	3 33.20	+13 43.8	1.044	2.026	5.3	19.8
11 17	3 23.77	+13 2.5	1.044	2.030	3.0	19.6
11 27	3 14.75	+12 29.7	1.068	2.034	7.7	19.9
12 7	3 7.65	+12 11.2	1.115	2.040	12.9	20.2
12 17	3 3.46	+12 9.7	1.183	2.047	17.4	20.5

292024 2006 QZ_{155} 11 15.8 22°.30 1°.6/15.2 18

10 8	3 50.99	+17 48.4	1.081	1.925	21.4	20.4
10 18	3 48.62	+17 22.7	1.024	1.931	16.8	20.2
10 28	3 42.57	+16 46.5	0.984	1.939	11.4	19.9
11 7	3 33.78	+16 3.3	0.965	1.948	5.4	19.6
11 17	3 23.71	+15 18.7	0.970	1.958	2.0	19.4
11 27	3 14.21	+14 39.8	0.999	1.968	7.5	19.8
12 7	3 6.89	+14 13.2	1.051	1.980	13.0	20.2
12 17	3 2.72	+14 2.9	1.123	1.993	17.7	20.5

98924 2001 BG_{82} 11 15.8 195°.80 8°.0/20.3 18

10 8	3 59.38	+39 13.7	1.945	2.666	17.5	19.8
10 18	3 54.57	+40 16.4	1.858	2.665	15.1	19.6
10 28	3 46.44	+41 1.9	1.789	2.665	12.3	19.4
11 7	3 35.67	+41 24.4	1.743	2.664	9.7	19.3
11 17	3 23.43	+41 19.8	1.722	2.663	8.1	19.2
11 27	3 11.33	+40 48.7	1.728	2.662	8.5	19.2
12 7	3 0.94	+39 56.5	1.760	2.661	10.6	19.3
12 17	2 53.37	+38 51.8	1.816	2.659	13.3	19.5

401673 2013 GO_{130} 11 15.8 286°.55 1°.5/16.9 17

10 8	3 50.93	+25 54.0	1.975	2.760	15.2	20.9
10 18	3 47.28	+25 29.7	1.874	2.744	12.3	20.7
10 28	3 41.09	+24 51.3	1.794	2.729	8.7	20.4
11 7	3 32.97	+23 58.9	1.738	2.713	4.7	20.2
11 17	3 23.81	+22 54.8	1.711	2.698	1.5	19.9
11 27	3 14.77	+21 43.8	1.713	2.682	4.9	20.1
12 7	3 6.98	+20 32.5	1.742	2.667	9.0	20.3
12 17	3 1.30	+19 27.5	1.798	2.652	12.9	20.5

143091 2002 XB_{13} 11 15.8 286°.72 2°.7/14.8 18

10 8	3 55.24	+12 47.7	1.527	2.343	17.5	20.2
10 18	3 51.13	+12 39.1	1.445	2.337	13.9	19.9
10 28	3 43.97	+12 28.1	1.383	2.330	9.6	19.7
11 7	3 34.43	+12 17.3	1.345	2.324	4.9	19.4
11 17	3 23.62	+12 9.9	1.334	2.318	3.0	19.3
11 27	3 12.98	+12 9.4	1.349	2.312	7.0	19.5
12 7	3 3.90	+12 18.8	1.391	2.306	11.7	19.7
12 17	2 57.40	+12 40.0	1.456	2.300	15.9	20.0

79032 2134 $T\text{-}_2$ 11 15.8 4°.02 1°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.38	+22 23.7	1.500	2.312	18.0	19.4
10 18	3 48.22	+22 25.2	1.424	2.311	14.3	19.2
10 28	3 42.01	+22 15.5	1.367	2.311	10.0	18.9
11 7	3 33.47	+21 54.6	1.333	2.312	5.1	18.7
11 17	3 23.76	+21 24.5	1.325	2.314	1.2	18.4
11 27	3 14.33	+20 49.6	1.345	2.316	5.7	18.7
12 7	3 6.55	+20 15.8	1.389	2.318	10.5	19.0
12 17	3 1.38	+19 48.8	1.457	2.322	14.7	19.3

233174 2005 VX_{69} 11 15.8 213°.81 1°.7/14.8 18

10 8	3 54.32	+16 18.6	2.047	2.841	14.4	21.5
10 18	3 49.59	+15 45.5	1.954	2.835	11.4	21.3
10 28	3 42.48	+15 5.7	1.884	2.827	7.7	21.1
11 7	3 33.58	+14 21.6	1.840	2.819	3.8	20.8
11 17	3 23.75	+13 36.7	1.824	2.810	2.0	20.7
11 27	3 14.08	+12 55.5	1.839	2.801	5.6	20.9
12 7	3 5.59	+12 22.2	1.882	2.791	9.5	21.1
12 17	2 59.10	+12 0.3	1.950	2.780	13.0	21.3

362317 2009 VA_{96} 11 15.8 70°.25 1°.1/15.3 18

10 8	3 53.97	+15 4.2	2.178	2.971	13.7	20.8
10 18	3 48.91	+15 8.7	2.112	2.991	10.7	20.7
10 28	3 41.75	+15 10.4	2.068	3.011	7.2	20.5
11 7	3 33.12	+15 10.4	2.052	3.031	3.5	20.3
11 17	3 23.85	+15 10.2	2.064	3.051	1.3	20.2
11 27	3 14.91	+15 11.7	2.107	3.071	4.7	20.5
12 7	3 7.17	+15 17.2	2.178	3.091	8.2	20.7
12 17	3 1.27	+15 28.4	2.275	3.111	11.2	20.9

81435 2000 GS_{109} 11 15.8 154°.81 2°.4/14.3 18

10 8	3 52.58	+12 44.4	2.381	3.173	12.7	20.4
10 18	3 47.71	+12 14.2	2.301	3.180	9.9	20.3
10 28	3 40.90	+11 41.2	2.245	3.187	6.8	20.1
11 7	3 32.72	+11 8.0	2.217	3.193	3.6	19.9
11 17	3 23.90	+10 37.7	2.217	3.199	2.6	19.8
11 27	3 15.32	+10 13.4	2.249	3.204	5.3	20.0
12 7	3 7.77	+ 9 57.9	2.309	3.208	8.5	20.2
12 17	3 1.87	+ 9 52.7	2.394	3.212	11.3	20.4

270990 2002 XW_{22} 11 15.8 315°.80 0°.7/16.1 18

10 8	3 53.85	+20 10.2	1.406	2.222	18.8	20.5
10 18	3 50.56	+20 23.4	1.321	2.211	15.0	20.3
10 28	3 43.91	+20 28.2	1.254	2.201	10.4	20.0
11 7	3 34.54	+20 24.4	1.211	2.191	5.2	19.6
11 17	3 23.63	+20 12.9	1.193	2.181	0.9	19.3
11 27	3 12.82	+19 57.1	1.202	2.172	6.2	19.7
12 7	3 3.71	+19 42.2	1.235	2.164	11.6	19.9
12 17	2 57.47	+19 33.4	1.291	2.156	16.2	20.2

172682 2003 YD_{147} 11 15.8 239°.87 6°.1/19.7 18

10 8	3 57.20	+37 2.4	2.269	2.991	15.2	20.7
10 18	3 52.30	+37 35.7	2.164	2.978	13.0	20.5
10 28	3 44.61	+37 53.5	2.079	2.965	10.4	20.3
11 7	3 34.74	+37 52.1	2.017	2.951	7.8	20.1
11 17	3 23.63	+37 29.1	1.983	2.937	6.2	20.0
11 27	3 12.57	+36 45.6	1.977	2.923	6.7	20.0
12 7	3 2.83	+35 46.6	1.999	2.908	9.1	20.1
12 17	2 55.39	+34 39.2	2.047	2.892	11.9	20.3

26865 1993 FX_{29} 11 15.8 218°.53 0°.8/16.3 18

10 8	3 54.40	+23 1.6	1.659	2.457	17.2	19.2
10 18	3 50.32	+22 41.8	1.574	2.454	13.7	18.9
10 28	3 43.31	+22 9.2	1.510	2.451	9.5	18.7
11 7	3 34.09	+21 24.5	1.470	2.448	4.8	18.4
11 17	3 23.73	+20 30.4	1.457	2.445	0.8	18.1
11 27	3 13.64	+19 32.4	1.472	2.441	5.5	18.4
12 7	3 5.11	+18 37.3	1.514	2.438	10.2	18.7
12 17	2 59.08	+17 51.2	1.580	2.434	14.3	18.9

28335 1999 DN_2 11 15.8 301°.28 4°.4/18.4 18

10 8	3 54.20	+31 17.5	2.421	3.168	13.8	17.7
10 18	3 49.55	+32 2.4	2.325	3.162	11.4	17.5
10 28	3 42.53	+32 36.8	2.250	3.157	8.7	17.4
11 7	3 33.67	+32 58.0	2.201	3.153	6.0	17.2
11 17	3 23.79	+33 4.5	2.180	3.148	4.4	17.1
11 27	3 13.94	+32 56.8	2.188	3.143	5.4	17.1
12 7	3 5.19	+32 38.3	2.224	3.138	8.0	17.3
12 17	2 58.36	+32 13.4	2.287	3.134	10.7	17.5

365329 2009 SP_{161} 11 15.8 100°.32 0°.8/15.3 18

10 8	3 51.97	+17 58.2	2.349	3.138	13.0	21.4
10 18	3 47.22	+17 32.4	2.279	3.156	10.1	21.2
10 28	3 40.54	+17 0.8	2.232	3.174	6.8	21.1
11 7	3 32.54	+16 25.2	2.212	3.192	3.2	20.9
11 17	3 23.97	+15 48.2	2.222	3.209	1.1	20.7
11 27	3 15.72	+15 13.3	2.262	3.226	4.4	21.0
12 7	3 8.58	+14 43.9	2.331	3.243	7.8	21.2
12 17	3 3.13	+14 22.6	2.426	3.260	10.7	21.5

25831 2000 DH_{111} 11 15.8 79°.29 0°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.12	+19 45.3	2.360	3.147	13.0	19.1
10 18	3 46.59	+19 28.9	2.290	3.166	10.1	19.0
10 28	3 40.13	+19 5.8	2.243	3.184	6.8	18.8
11 7	3 32.35	+18 37.4	2.223	3.203	3.3	18.6
11 17	3 23.99	+18 5.9	2.233	3.221	0.5	18.4
11 27	3 15.95	+17 34.6	2.272	3.240	4.1	18.7
12 7	3 9.00	+17 6.6	2.341	3.258	7.5	19.0
12 17	3 3.74	+16 45.1	2.436	3.276	10.4	19.2

193748 2001 JS_9 11 15.8 44°.52 0°.9/15.4 18

10 8	3 51.98	+15 56.5	2.186	2.982	13.6	19.6
10 18	3 47.53	+16 1.1	2.107	2.988	10.6	19.4
10 28	3 40.95	+16 2.3	2.051	2.994	7.2	19.2
11 7	3 32.82	+16 1.2	2.020	3.000	3.4	18.9
11 17	3 23.93	+15 59.2	2.019	3.007	1.1	18.8
11 27	3 15.24	+15 58.4	2.047	3.013	4.7	19.1
12 7	3 7.67	+16 1.2	2.104	3.020	8.3	19.3
12 17	3 1.90	+16 9.6	2.187	3.027	11.4	19.5

518347 2017 DF_3 11 15.8 150°.93 4°.6/12.6 18

10 8	3 49.49	+ 5 15.3	2.525	3.322	11.9	21.9
10 18	3 45.17	+ 4 29.1	2.450	3.327	9.5	21.8
10 28	3 39.13	+ 3 44.6	2.398	3.331	7.0	21.6
11 7	3 31.88	+ 3 5.6	2.374	3.335	4.9	21.5
11 17	3 24.06	+ 2 35.6	2.378	3.338	4.8	21.5
11 27	3 16.44	+ 2 17.8	2.412	3.342	6.7	21.6
12 7	3 9.73	+ 2 13.9	2.473	3.345	9.1	21.8
12 17	3 4.49	+ 2 24.0	2.559	3.348	11.5	22.0

438789 2008 WP_{126} 11 15.8 345°.45 10°.0/11.7 18

10 8	3 49.72	− 1 25.9	1.365	2.195	18.5	20.1
10 18	3 46.91	− 2 27.9	1.298	2.186	15.4	19.9
10 28	3 41.13	− 3 20.6	1.250	2.178	12.4	19.7
11 7	3 33.09	− 3 55.1	1.223	2.171	10.2	19.6
11 17	3 23.89	− 4 3.9	1.220	2.165	10.3	19.6
11 27	3 14.95	− 3 42.5	1.240	2.160	12.6	19.7
12 7	3 7.59	− 2 51.1	1.283	2.156	15.8	19.9
12 17	3 2.75	− 1 33.9	1.345	2.153	19.0	20.1

92375 2000 HP_{55} 11 15.8 158°.25 1°.7/16.6 18

10 8	3 58.49	+23 48.8	1.500	2.296	18.7	19.4
10 18	3 53.86	+23 51.4	1.423	2.300	15.0	19.2
10 28	3 45.89	+23 41.3	1.364	2.303	10.5	19.0
11 7	3 35.38	+23 17.8	1.330	2.306	5.5	18.7
11 17	3 23.59	+22 42.2	1.322	2.309	1.7	18.4
11 27	3 12.15	+21 59.2	1.342	2.312	5.9	18.7
12 7	3 2.57	+21 15.6	1.388	2.313	10.8	19.0
12 17	2 55.87	+20 38.1	1.458	2.315	15.1	19.3

74494 1999 CP_{123} 11 15.8 314°.98 6°.0/17.9 18

10 8	3 57.20	+30 4.2	1.732	2.503	17.6	18.6
10 18	3 53.16	+31 20.7	1.634	2.487	14.7	18.4
10 28	3 45.77	+32 27.7	1.556	2.471	11.3	18.1
11 7	3 35.54	+33 19.9	1.502	2.456	7.9	17.9
11 17	3 23.53	+33 52.7	1.473	2.442	6.0	17.8
11 27	3 11.31	+34 4.8	1.472	2.427	7.5	17.8
12 7	3 0.55	+33 59.3	1.497	2.413	10.9	18.0
12 17	2 52.57	+33 42.9	1.545	2.400	14.5	18.2

192259 2008 GR_{107} 11 15.8 273°.26 4°.7/12.8 18

10 8	3 50.29	+ 7 39.5	2.086	2.893	13.8	20.8
10 18	3 46.39	+ 6 49.6	1.994	2.878	11.0	20.6
10 28	3 40.31	+ 5 58.7	1.924	2.863	7.9	20.4
11 7	3 32.57	+ 5 11.4	1.880	2.848	5.3	20.2
11 17	3 23.96	+ 4 32.3	1.865	2.833	5.0	20.1
11 27	3 15.44	+ 4 6.1	1.877	2.817	7.5	20.3
12 7	3 7.95	+ 3 55.6	1.917	2.801	10.7	20.4
12 17	3 2.24	+ 4 1.9	1.980	2.786	13.8	20.6

398787 2013 AJ_{125} 11 15.8 316°.47 3°.9/14.2 18

10 8	3 53.02	+ 9 22.7	1.657	2.473	16.4	21.2
10 18	3 49.15	+ 9 9.8	1.571	2.462	13.0	21.0
10 28	3 42.52	+ 8 57.7	1.507	2.452	9.1	20.8
11 7	3 33.74	+ 8 49.5	1.467	2.442	5.3	20.5
11 17	3 23.81	+ 8 48.9	1.454	2.433	4.1	20.4
11 27	3 13.99	+ 8 59.0	1.468	2.424	7.4	20.6
12 7	3 5.53	+ 9 21.8	1.508	2.415	11.5	20.8
12 17	2 59.37	+ 9 57.7	1.571	2.407	15.4	21.0

69254 1981 EW_{37} 11 15.8 146°.55 2°.3/17.2 18

10 8	3 54.82	+26 25.5	1.926	2.703	15.8	20.2
10 18	3 50.27	+26 26.0	1.842	2.707	12.7	20.0
10 28	3 43.07	+26 14.0	1.780	2.711	9.1	19.8
11 7	3 33.91	+25 48.8	1.742	2.714	5.1	19.6
11 17	3 23.80	+25 11.5	1.733	2.718	2.3	19.4
11 27	3 13.97	+24 25.8	1.752	2.721	4.9	19.6
12 7	3 5.56	+23 37.3	1.800	2.724	8.8	19.9
12 17	2 59.40	+22 51.9	1.873	2.726	12.4	20.1

227101 2005 NW_{13} 11 15.8 113°.23 1°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 57.43	+17 28.8	1.791	2.587	16.1	21.8
10 18	3 52.03	+16 59.0	1.726	2.606	12.6	21.6
10 28	3 44.06	+16 22.1	1.682	2.626	8.5	21.4
11 7	3 34.29	+15 40.4	1.664	2.644	4.1	21.2
11 17	3 23.78	+14 57.6	1.675	2.662	1.6	21.1
11 27	3 13.75	+14 18.4	1.715	2.679	5.6	21.4
12 7	3 5.27	+13 47.3	1.783	2.696	9.7	21.6
12 17	2 59.08	+13 27.4	1.876	2.712	13.2	21.9

19079 Hernandez 11 15.8 148°.38 0°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.28	+22 4.5	2.647	3.417	12.1	18.7
10 18	3 48.21	+22 9.2	2.561	3.425	9.6	18.5
10 28	3 41.25	+22 7.2	2.499	3.433	6.6	18.4
11 7	3 32.93	+21 58.6	2.464	3.440	3.4	18.2
11 17	3 23.95	+21 44.3	2.459	3.447	0.9	18.0
11 27	3 15.15	+21 26.4	2.485	3.453	3.7	18.2
12 7	3 7.33	+21 7.7	2.541	3.459	6.9	18.4
12 17	3 1.11	+20 51.4	2.624	3.464	9.7	18.6

70443 1999 TV_{9} 11 15.8 315°.89 7°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.67	+ 7 32.8	1.699	2.520	15.8	18.7
10 18	3 46.22	+ 5 25.9	1.625	2.517	12.6	18.5
10 28	3 40.30	+ 3 14.3	1.575	2.513	9.4	18.3
11 7	3 32.58	+ 1 7.1	1.551	2.510	7.2	18.2
11 17	3 24.00	− 0 45.6	1.555	2.507	7.7	18.2
11 27	3 15.72	− 2 14.9	1.585	2.504	10.3	18.4
12 7	3 8.76	− 3 15.9	1.641	2.502	13.6	18.6
12 17	3 3.90	− 3 47.4	1.718	2.499	16.6	18.8

515180 2011 SL_{278} 11 15.8 190°.01 3°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.59	+13 44.3	2.152	2.952	13.6	21.8
10 18	3 47.21	+12 39.5	2.068	2.952	10.7	21.6
10 28	3 40.73	+11 28.8	2.007	2.950	7.3	21.4
11 7	3 32.72	+10 16.2	1.973	2.949	4.1	21.2
11 17	3 23.99	+ 9 6.8	1.968	2.947	3.3	21.1
11 27	3 15.48	+ 8 5.9	1.993	2.944	6.2	21.3
12 7	3 8.10	+ 7 18.1	2.047	2.942	9.6	21.5
12 17	3 2.50	+ 6 45.9	2.125	2.938	12.7	21.7

460568 2014 TM_{79} 11 15.8 27°.75 0°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.93	+22 13.4	2.084	2.878	14.2	20.8
10 18	3 45.31	+21 41.3	2.004	2.883	11.2	20.6
10 28	3 39.50	+20 58.9	1.947	2.888	7.7	20.4
11 7	3 32.15	+20 7.9	1.914	2.894	3.7	20.2
11 17	3 24.07	+19 11.4	1.911	2.899	0.5	19.9
11 27	3 16.26	+18 14.0	1.936	2.905	4.5	20.2
12 7	3 9.64	+17 21.0	1.990	2.912	8.3	20.5
12 17	3 4.88	+16 36.5	2.070	2.918	11.6	20.7

268004 2004 JH_{24} 11 15.8 247°.38 0°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.83	+17 35.3	1.702	2.504	16.6	21.0
10 18	3 51.44	+17 32.2	1.611	2.495	13.2	20.8
10 28	3 44.14	+17 22.9	1.541	2.485	9.0	20.5
11 7	3 34.56	+17 8.4	1.495	2.476	4.3	20.2
11 17	3 23.73	+16 50.5	1.477	2.465	1.0	20.0
11 27	3 13.00	+16 32.9	1.488	2.455	5.8	20.3
12 7	3 3.69	+16 19.7	1.525	2.445	10.5	20.5
12 17	2 56.80	+16 14.7	1.587	2.434	14.6	20.8

429444 2010 VS_{100} 11 15.8 42°.32 0°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.57	+19 38.4	1.078	1.910	22.2	20.4
10 18	3 52.99	+19 50.8	1.028	1.928	17.5	20.2
10 28	3 45.52	+19 53.1	0.995	1.946	11.9	20.0
11 7	3 35.21	+19 45.8	0.984	1.965	5.8	19.7
11 17	3 23.68	+19 31.0	0.996	1.985	0.8	19.4
11 27	3 12.92	+19 13.6	1.034	2.005	6.8	19.9
12 7	3 4.57	+18 59.6	1.094	2.026	12.3	20.3
12 17	2 59.60	+18 54.0	1.177	2.048	17.0	20.6

294499 2007 WB_{58} 11 15.8 4°.06 0°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.94	+16 53.6	1.246	2.071	20.2	20.2
10 18	3 52.39	+17 10.3	1.174	2.071	16.0	19.9
10 28	3 45.22	+17 21.7	1.121	2.071	11.0	19.6
11 7	3 35.20	+17 28.6	1.090	2.071	5.3	19.3
11 17	3 23.67	+17 32.0	1.084	2.072	1.0	19.0
11 27	3 12.43	+17 35.2	1.104	2.074	6.8	19.4
12 7	3 3.18	+17 42.0	1.148	2.076	12.3	19.7
12 17	2 57.06	+17 56.1	1.214	2.078	17.0	20.0

202399 2005 JS_{30} 11 15.8 279°.09 1°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.87	+16 14.3	1.878	2.683	15.1	20.7
10 18	3 48.03	+15 49.8	1.782	2.669	12.0	20.4
10 28	3 41.66	+15 18.8	1.708	2.654	8.2	20.2
11 7	3 33.33	+14 43.6	1.659	2.639	4.0	19.9
11 17	3 23.93	+14 7.4	1.638	2.624	1.9	19.7
11 27	3 14.60	+13 34.6	1.646	2.610	5.8	19.9
12 7	3 6.48	+13 9.6	1.680	2.595	10.1	20.1
12 17	3 0.44	+12 55.8	1.739	2.580	13.9	20.4

510242 2011 FJ_{53} 11 15.8 181°.73 1°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.54	+17 28.9	1.925	2.719	15.2	22.6
10 18	3 50.67	+17 5.9	1.840	2.720	12.0	22.4
10 28	3 43.29	+16 35.9	1.778	2.721	8.1	22.2
11 7	3 34.03	+16 0.8	1.741	2.721	3.9	21.9
11 17	3 23.85	+15 23.6	1.733	2.720	1.4	21.8
11 27	3 13.90	+14 48.6	1.754	2.719	5.4	22.0
12 7	3 5.29	+14 20.1	1.804	2.717	9.6	22.3
12 17	2 58.80	+14 1.5	1.878	2.715	13.2	22.5

220093 2002 SJ_{38} 11 15.8 339°.82 4°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.42	+26 26.0	1.393	2.192	19.8	20.0
10 18	3 52.83	+27 11.2	1.313	2.188	16.1	19.8
10 28	3 45.60	+27 44.2	1.251	2.185	11.8	19.5
11 7	3 35.44	+28 1.5	1.212	2.182	7.1	19.2
11 17	3 23.64	+28 1.0	1.198	2.179	4.1	19.1
11 27	3 12.01	+27 44.5	1.209	2.177	6.8	19.2
12 7	3 2.28	+27 18.1	1.246	2.175	11.4	19.5
12 17	2 55.69	+26 49.4	1.306	2.174	15.8	19.7

272558 2005 UN_{463} 11 15.8 207°.82 1°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.98	+16 5.1	1.884	2.683	15.3	22.0
10 18	3 50.34	+15 40.8	1.796	2.679	12.1	21.7
10 28	3 43.13	+15 10.3	1.730	2.675	8.2	21.5
11 7	3 33.99	+14 35.9	1.690	2.670	4.0	21.2
11 17	3 23.86	+14 0.9	1.678	2.664	1.9	21.1
11 27	3 13.90	+13 29.5	1.695	2.658	5.8	21.3
12 7	3 5.26	+13 5.9	1.740	2.652	10.0	21.6
12 17	2 58.76	+12 53.2	1.810	2.645	13.7	21.8

139157 2001 FS_{107} 11 15.8 162°.33 2°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 59.11	+26 22.1	1.843	2.615	16.6	21.0
10 18	3 53.82	+26 38.7	1.760	2.621	13.4	20.8
10 28	3 45.62	+26 43.3	1.697	2.625	9.6	20.6
11 7	3 35.22	+26 34.3	1.659	2.629	5.5	20.3
11 17	3 23.70	+26 11.7	1.649	2.633	2.8	20.2
11 27	3 12.46	+25 38.5	1.669	2.636	5.3	20.4
12 7	3 2.78	+25 0.1	1.716	2.638	9.3	20.6
12 17	2 55.60	+24 22.7	1.789	2.640	13.0	20.8

380026 2013 QT_{26} 11 15.8 35°.45 0°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.52	+17 56.5	1.074	1.911	22.0	20.3
10 18	3 52.22	+18 9.1	1.022	1.925	17.3	20.1
10 28	3 45.07	+18 13.9	0.987	1.939	11.8	19.8
11 7	3 35.05	+18 11.8	0.973	1.954	5.6	19.5
11 17	3 23.74	+18 4.9	0.982	1.971	0.8	19.3
11 27	3 13.11	+17 57.3	1.016	1.988	7.0	19.7
12 7	3 4.81	+17 54.4	1.074	2.005	12.5	20.1
12 17	2 59.88	+17 59.9	1.152	2.024	17.2	20.4

282395 2003 SY_{214} 11 15.8 126°.27 9°.3/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 1.39	+48 34.7	1.946	2.615	18.9	19.6
10 18	3 56.18	+48 37.9	1.857	2.618	16.8	19.4
10 28	3 47.40	+48 13.1	1.785	2.621	14.3	19.3
11 7	3 36.04	+47 14.6	1.733	2.624	11.7	19.1
11 17	3 23.62	+45 39.9	1.705	2.626	9.7	19.0
11 27	3 11.94	+43 32.9	1.705	2.629	9.4	19.0
12 7	3 2.49	+41 3.7	1.732	2.631	10.8	19.1
12 17	2 56.20	+38 25.6	1.785	2.634	13.2	19.2

331516 2000 EA_{147} 11 15.8 265°.40 9°.9/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.95	−12 56.1	2.546	3.307	12.8	20.9
10 18	3 44.91	−14 18.2	2.473	3.293	11.4	20.8
10 28	3 39.08	−15 29.0	2.422	3.278	10.3	20.7
11 7	3 31.95	−16 22.2	2.396	3.263	9.9	20.6
11 17	3 24.14	−16 52.7	2.394	3.248	10.3	20.6
11 27	3 16.46	−16 57.3	2.417	3.232	11.4	20.7
12 7	3 9.64	−16 35.9	2.462	3.217	12.9	20.8
12 17	3 4.29	−15 50.4	2.527	3.201	14.5	20.9

290662 2005 UB_{300} 11 15.9 150°.09 0°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.81	+19 51.1	2.297	3.084	13.3	21.6
10 18	3 47.37	+19 39.0	2.212	3.087	10.5	21.4
10 28	3 40.85	+19 19.8	2.150	3.091	7.1	21.2
11 7	3 32.82	+18 54.8	2.114	3.094	3.4	21.0
11 17	3 24.06	+18 25.9	2.108	3.096	0.5	20.8
11 27	3 15.50	+17 56.2	2.131	3.099	4.3	21.1
12 7	3 8.02	+17 29.3	2.184	3.102	7.9	21.3
12 17	3 2.29	+17 8.5	2.262	3.104	11.1	21.5

24718 1991 SW 11 15.9 90°.21 4°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.05	+ 6 13.3	2.368	3.168	12.6	18.7
10 18	3 45.75	+ 5 39.5	2.295	3.175	9.9	18.6
10 28	3 39.61	+ 5 7.5	2.246	3.182	7.2	18.4
11 7	3 32.17	+ 4 40.7	2.223	3.188	4.8	18.3
11 17	3 24.14	+ 4 22.4	2.229	3.195	4.5	18.3
11 27	3 16.34	+ 4 15.4	2.264	3.202	6.5	18.4
12 7	3 9.51	+ 4 21.2	2.326	3.208	9.2	18.6
12 17	3 4.25	+ 4 39.8	2.413	3.215	11.8	18.8

412657 2014 OC_{193} 11 15.9 342°.74 8°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.04	− 1 55.7	2.001	2.809	14.2	20.3
10 18	3 43.81	− 3 24.9	1.932	2.804	11.9	20.1
10 28	3 38.52	− 4 48.3	1.885	2.800	9.7	19.9
11 7	3 31.72	− 5 58.6	1.864	2.795	8.5	19.9
11 17	3 24.20	− 6 49.4	1.868	2.792	8.9	19.9
11 27	3 16.88	− 7 16.0	1.898	2.788	10.6	20.0
12 7	3 10.63	− 7 17.1	1.952	2.785	13.0	20.1
12 17	3 6.12	− 6 53.9	2.027	2.782	15.3	20.3

238199 2003 SH_{423} 11 15.9 79°.12 1°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.76	+17 37.5	1.730	2.533	16.3	21.1
10 18	3 50.13	+17 18.9	1.665	2.550	12.8	20.9
10 28	3 42.89	+16 53.4	1.622	2.567	8.6	20.7
11 7	3 33.81	+16 23.2	1.603	2.584	4.1	20.5
11 17	3 23.94	+15 51.3	1.613	2.600	1.3	20.3
11 27	3 14.50	+15 22.0	1.651	2.617	5.5	20.6
12 7	3 6.60	+14 59.5	1.716	2.633	9.7	20.9
12 17	3 0.97	+14 46.8	1.806	2.650	13.3	21.2

133392 2003 SN_{162} 11 15.9 170°.93 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.26	+20 28.9	2.126	2.912	14.3	20.5
10 18	3 49.47	+20 14.3	2.041	2.915	11.3	20.3
10 28	3 42.37	+19 51.6	1.977	2.917	7.7	20.1
11 7	3 33.58	+19 21.8	1.940	2.919	3.7	19.8
11 17	3 23.97	+18 47.0	1.932	2.920	0.5	19.6
11 27	3 14.58	+18 10.9	1.954	2.922	4.6	19.9
12 7	3 6.40	+17 37.6	2.004	2.922	8.5	20.1
12 17	3 0.17	+17 11.0	2.081	2.922	11.9	20.3

483073 2015 LD_{31} 11 15.9 16°.93 2°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.77	+14 38.5	1.452	2.276	17.9	20.4
10 18	3 48.42	+14 23.9	1.383	2.280	14.0	20.2
10 28	3 42.10	+14 4.7	1.334	2.284	9.6	19.9
11 7	3 33.57	+13 43.7	1.309	2.289	4.7	19.7
11 17	3 23.97	+13 24.4	1.309	2.295	2.5	19.6
11 27	3 14.71	+13 11.3	1.336	2.301	6.7	19.8
12 7	3 7.09	+13 7.9	1.388	2.308	11.3	20.1
12 17	3 2.00	+13 16.5	1.463	2.316	15.3	20.4

447963 2008 BM_{50} 11 15.9 135°.35 3°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.33	+29 7.1	2.028	2.794	15.5	21.4
10 18	3 49.92	+29 25.5	1.941	2.796	12.6	21.2
10 28	3 42.90	+29 31.2	1.875	2.797	9.3	21.0
11 7	3 33.91	+29 22.3	1.834	2.798	5.8	20.8
11 17	3 23.92	+28 58.8	1.821	2.799	3.6	20.7
11 27	3 14.14	+28 23.2	1.836	2.801	5.2	20.8
12 7	3 5.71	+27 40.5	1.879	2.802	8.6	21.0
12 17	2 59.48	+26 56.7	1.947	2.803	12.0	21.2

384329 2009 SQ_{304} 11 15.9 40°.31 1°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.45	+18 39.7	1.271	2.098	19.8	21.2
10 18	3 50.08	+18 16.6	1.210	2.108	15.6	21.0
10 28	3 43.37	+17 43.4	1.168	2.118	10.6	20.7
11 7	3 34.19	+17 2.7	1.148	2.129	5.0	20.5
11 17	3 23.90	+16 19.0	1.153	2.141	1.4	20.3
11 27	3 14.13	+15 38.6	1.184	2.153	6.7	20.6
12 7	3 6.34	+15 7.6	1.240	2.165	11.8	21.0
12 17	3 1.43	+14 50.3	1.318	2.178	16.2	21.3

39560 1992 PM_{2} 11 15.9 73°.22 0°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.29	+23 15.6	1.364	2.171	19.7	18.7
10 18	3 52.75	+22 47.1	1.308	2.193	15.6	18.5
10 28	3 44.94	+22 3.9	1.271	2.214	10.7	18.3
11 7	3 34.83	+21 7.9	1.257	2.236	5.2	18.1
11 17	3 23.83	+20 3.5	1.269	2.258	0.8	17.8
11 27	3 13.54	+18 57.9	1.309	2.279	6.0	18.2
12 7	3 5.32	+17 59.0	1.374	2.300	10.9	18.6
12 17	2 59.97	+17 12.9	1.463	2.321	15.0	18.9

258021 2001 FM_{145} 11 15.9 267°.40 3°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.41	+ 8 18.2	2.328	3.129	12.7	20.5
10 18	3 46.25	+ 7 48.2	2.236	3.117	10.1	20.3
10 28	3 40.12	+ 7 18.2	2.166	3.105	7.2	20.1
11 7	3 32.50	+ 6 51.4	2.123	3.094	4.5	19.9
11 17	3 24.12	+ 6 31.1	2.109	3.082	4.0	19.8
11 27	3 15.82	+ 6 20.5	2.124	3.070	6.3	20.0
12 7	3 8.46	+ 6 21.8	2.167	3.058	9.4	20.1
12 17	3 2.70	+ 6 35.8	2.235	3.046	12.3	20.3

489121 2006 CM_{42} 11 15.9 324°.08 12°.9/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.40	−12 34.9	1.889	2.678	15.7	21.2
10 18	3 43.60	−14 54.2	1.827	2.662	14.2	21.0
10 28	3 38.54	−17 0.7	1.787	2.647	13.1	20.9
11 7	3 31.81	−18 44.4	1.770	2.633	13.0	20.9
11 17	3 24.21	−19 56.4	1.775	2.619	13.7	20.9
11 27	3 16.75	−20 31.6	1.802	2.605	15.2	21.0
12 7	3 10.41	−20 29.6	1.848	2.592	16.9	21.1
12 17	3 5.94	−19 53.5	1.910	2.580	18.7	21.2

507975 2015 BY_{90} 11 15.9 357°.78 4°.2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 51.19	+12 27.6	1.096	1.943	20.9	20.6
10 18	3 48.89	+11 54.0	1.031	1.940	16.6	20.3
10 28	3 42.93	+11 15.9	0.984	1.938	11.5	20.0
11 7	3 34.14	+10 38.6	0.957	1.937	6.3	19.7
11 17	3 23.90	+10 8.4	0.954	1.937	4.6	19.6
11 27	3 14.04	+ 9 51.8	0.975	1.937	9.0	19.9
12 7	3 6.20	+ 9 53.3	1.018	1.939	14.2	20.2
12 17	3 1.52	+10 14.1	1.080	1.942	18.9	20.5

195802 2002 QG_{9} 11 15.9 129°.57 5°.8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.70	+38 19.7	2.710	3.413	13.4	20.3
10 18	3 51.35	+39 6.1	2.624	3.422	11.4	20.2
10 28	3 43.67	+39 39.0	2.558	3.430	9.2	20.0
11 7	3 34.23	+39 55.1	2.517	3.438	7.2	19.9
11 17	3 23.90	+39 52.7	2.504	3.445	5.9	19.8
11 27	3 13.72	+39 32.5	2.519	3.453	6.2	19.9
12 7	3 4.70	+38 58.1	2.563	3.460	7.8	20.0
12 17	2 57.63	+38 14.7	2.633	3.467	9.9	20.1

224510 2005 WW_{41} 11 15.9 192°.57 0°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.23	+21 17.0	2.504	3.284	12.5	21.3
10 18	3 46.78	+20 56.3	2.412	3.283	9.9	21.1
10 28	3 40.39	+20 27.7	2.343	3.281	6.8	20.9
11 7	3 32.60	+19 52.2	2.301	3.279	3.3	20.7
11 17	3 24.12	+19 12.0	2.289	3.277	0.4	20.5
11 27	3 15.80	+18 30.2	2.307	3.274	4.0	20.8
12 7	3 8.47	+17 50.8	2.354	3.272	7.4	21.0
12 17	3 2.75	+17 17.2	2.429	3.268	10.5	21.2

92358 2000 HE_{23} 11 15.9 126°.87 1°.2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 59.19	+17 5.6	1.503	2.308	18.3	19.7
10 18	3 54.11	+16 52.1	1.434	2.319	14.4	19.5
10 28	3 45.89	+16 31.7	1.385	2.330	9.8	19.3
11 7	3 35.36	+16 6.0	1.360	2.340	4.7	19.0
11 17	3 23.77	+15 38.3	1.363	2.350	1.5	18.8
11 27	3 12.62	+15 13.1	1.393	2.360	6.3	19.2
12 7	3 3.29	+14 55.2	1.450	2.368	11.1	19.5
12 17	2 56.69	+14 48.1	1.531	2.377	15.2	19.7

118620 2000 HR_{13} 11 15.9 118°.89 0°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.72	+20 30.7	1.881	2.669	15.7	20.4
10 18	3 51.51	+20 9.3	1.810	2.686	12.4	20.2
10 28	3 43.76	+19 38.8	1.761	2.702	8.4	20.0
11 7	3 34.23	+19 0.7	1.738	2.718	4.0	19.7
11 17	3 23.92	+18 17.7	1.744	2.732	0.6	19.5
11 27	3 14.04	+17 34.5	1.779	2.747	5.0	19.9
12 7	3 5.63	+16 55.8	1.843	2.761	9.1	20.1
12 17	2 59.45	+16 25.9	1.932	2.774	12.6	20.4

99358 2001 XC_{179} 11 15.9 46°.91 0°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.35	+21 8.2	1.163	1.989	21.3	19.5
10 18	3 51.96	+20 59.5	1.103	2.000	16.8	19.2
10 28	3 44.85	+20 37.9	1.062	2.011	11.6	19.0
11 7	3 34.97	+20 4.7	1.041	2.022	5.6	18.7
11 17	3 23.82	+19 23.2	1.046	2.034	0.7	18.4
11 27	3 13.27	+18 40.1	1.075	2.046	6.7	18.8
12 7	3 4.94	+18 2.9	1.129	2.059	12.2	19.2
12 17	2 59.84	+17 37.3	1.204	2.072	16.9	19.5

53580 2000 CR_{48} 11 15.9 256°.10 2°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.65	+27 2.4	1.632	2.420	17.8	19.0
10 18	3 50.80	+26 55.4	1.543	2.414	14.4	18.8
10 28	3 43.85	+26 32.8	1.473	2.407	10.3	18.5
11 7	3 34.49	+25 53.4	1.427	2.400	5.9	18.2
11 17	3 23.87	+24 58.6	1.408	2.393	2.5	18.0
11 27	3 13.46	+23 53.5	1.416	2.386	5.6	18.2
12 7	3 4.67	+22 45.8	1.451	2.379	10.2	18.4
12 17	2 58.53	+21 43.4	1.511	2.372	14.5	18.7

488185 2015 XS_{130} 11 15.9 346°.00 2°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.34	+14 10.4	1.955	2.763	14.5	21.5
10 18	3 46.59	+13 51.2	1.872	2.760	11.4	21.3
10 28	3 40.53	+13 28.3	1.811	2.757	7.8	21.0
11 7	3 32.75	+13 4.1	1.776	2.755	3.9	20.8
11 17	3 24.11	+12 41.6	1.768	2.753	2.3	20.7
11 27	3 15.65	+12 24.3	1.789	2.751	5.7	20.9
12 7	3 8.36	+12 15.3	1.837	2.749	9.5	21.1
12 17	3 3.01	+12 16.8	1.910	2.748	12.9	21.4

291603 2006 GE_{34} 11 15.9 197°.51 0°.9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.10	+16 44.8	2.677	3.464	11.6	21.8
10 18	3 45.74	+16 29.7	2.586	3.462	9.1	21.7
10 28	3 39.61	+16 10.3	2.518	3.460	6.2	21.5
11 7	3 32.22	+15 47.9	2.479	3.458	3.0	21.3
11 17	3 24.18	+15 24.5	2.469	3.456	1.1	21.1
11 27	3 16.28	+15 2.7	2.489	3.453	4.1	21.3
12 7	3 9.25	+14 45.2	2.539	3.450	7.2	21.5
12 17	3 3.66	+14 34.1	2.616	3.447	10.0	21.7

111641 2002 AD_{167} 11 15.9 328°.77 3°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.82	+27 44.4	1.232	2.044	21.1	19.4
10 18	3 50.40	+27 53.9	1.152	2.036	17.3	19.2
10 28	3 44.16	+27 44.7	1.090	2.028	12.6	18.9
11 7	3 34.83	+27 14.3	1.049	2.022	7.4	18.6
11 17	3 23.82	+26 23.2	1.031	2.015	3.7	18.3
11 27	3 13.06	+25 17.0	1.038	2.009	6.9	18.5
12 7	3 4.37	+24 5.9	1.069	2.004	12.2	18.8
12 17	2 59.00	+23 0.2	1.122	1.999	17.1	19.1

401468 2013 CS_{174} 11 15.9 352°.32 0°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.04	+22 15.6	1.658	2.463	16.8	20.7
10 18	3 47.72	+22 6.0	1.576	2.460	13.4	20.4
10 28	3 41.60	+21 45.2	1.515	2.458	9.3	20.2
11 7	3 33.36	+21 14.0	1.477	2.456	4.6	19.9
11 17	3 24.03	+20 34.8	1.466	2.455	0.8	19.6
11 27	3 14.95	+19 52.0	1.483	2.454	5.3	19.9
12 7	3 7.34	+19 11.5	1.527	2.453	9.9	20.2
12 17	3 2.10	+18 38.6	1.594	2.453	13.9	20.5

513923 2014 BO_{58} 11 15.9 235°.07 10°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.94	− 3 18.4	1.688	2.495	16.5	21.3
10 18	3 48.00	− 4 50.2	1.624	2.494	13.9	21.1
10 28	3 41.54	− 6 13.7	1.581	2.493	11.4	21.0
11 7	3 33.24	− 7 20.3	1.562	2.491	10.0	20.9
11 17	3 24.06	− 8 2.2	1.568	2.490	10.4	20.9
11 27	3 15.17	− 8 14.7	1.599	2.489	12.3	21.0
12 7	3 7.66	− 7 57.3	1.653	2.487	14.8	21.2
12 17	3 2.30	− 7 12.8	1.727	2.486	17.4	21.4

358236 2006 SV_{331} 11 15.9 244°.19 3°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.01	+27 55.7	2.230	2.988	14.5	21.1
10 18	3 51.99	+28 36.6	2.129	2.978	11.9	20.9
10 28	3 44.37	+29 8.4	2.049	2.968	8.8	20.7
11 7	3 34.71	+29 28.6	1.995	2.957	5.6	20.5
11 17	3 23.86	+29 35.4	1.969	2.946	3.6	20.4
11 27	3 12.99	+29 29.6	1.973	2.935	5.2	20.4
12 7	3 3.27	+29 14.5	2.005	2.923	8.5	20.6
12 17	2 55.63	+28 54.8	2.064	2.911	11.7	20.8

399077 2014 DB_{9} 11 15.9 258°.08 3°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.04	+11 52.2	1.791	2.601	15.6	21.4
10 18	3 49.01	+11 9.6	1.700	2.588	12.3	21.2
10 28	3 42.37	+10 22.8	1.630	2.575	8.6	20.9
11 7	3 33.73	+ 9 35.7	1.586	2.562	4.9	20.7
11 17	3 23.99	+ 8 53.2	1.569	2.548	3.9	20.6
11 27	3 14.37	+ 8 20.4	1.580	2.534	7.2	20.7
12 7	3 6.01	+ 8 1.6	1.618	2.520	11.3	20.9
12 17	2 59.81	+ 7 59.0	1.680	2.506	15.0	21.2

421918 2014 QO_{231} 11 15.9 30°.36 0°.2/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.14	+19 40.2	1.839	2.644	15.4	21.7
10 18	3 46.51	+19 26.4	1.769	2.654	12.1	21.5
10 28	3 40.47	+19 4.6	1.720	2.665	8.2	21.3
11 7	3 32.70	+18 36.3	1.696	2.676	3.9	21.0
11 17	3 24.14	+18 4.3	1.699	2.688	0.6	20.8
11 27	3 15.90	+17 32.5	1.731	2.700	5.0	21.2
12 7	3 9.00	+17 5.3	1.790	2.713	9.0	21.4
12 17	3 4.17	+16 46.0	1.874	2.726	12.5	21.7

412782 2014 PZ_{11} 11 15.9 52°.88 5°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.86	+ 6 26.1	2.003	2.814	14.1	20.8
10 18	3 45.92	+ 5 34.6	1.937	2.822	11.2	20.6
10 28	3 39.89	+ 4 44.4	1.893	2.831	8.1	20.4
11 7	3 32.37	+ 4 0.2	1.875	2.840	5.6	20.3
11 17	3 24.19	+ 3 26.8	1.885	2.850	5.3	20.3
11 27	3 16.31	+ 3 7.8	1.923	2.859	7.6	20.4
12 7	3 9.58	+ 3 5.2	1.986	2.869	10.5	20.6
12 17	3 4.66	+ 3 19.0	2.074	2.879	13.3	20.9

438466 2007 DJ_{20} 11 15.9 193°.63 1°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.03	+17 31.8	1.794	2.594	15.9	22.2
10 18	3 50.52	+17 11.2	1.710	2.593	12.6	22.0
10 28	3 43.34	+16 43.4	1.647	2.592	8.6	21.7
11 7	3 34.16	+16 10.2	1.610	2.590	4.1	21.5
11 17	3 23.95	+15 34.7	1.601	2.588	1.4	21.3
11 27	3 13.98	+15 1.4	1.620	2.586	5.7	21.6
12 7	3 5.40	+14 34.7	1.667	2.583	10.0	21.8
12 17	2 59.08	+14 18.3	1.738	2.580	13.8	22.1

410136 2007 HU_{4} 11 15.9 168°.24 5°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.34	+ 3 38.3	2.423	3.220	12.4	21.2
10 18	3 45.97	+ 2 55.8	2.347	3.221	10.0	21.0
10 28	3 39.78	+ 2 16.2	2.294	3.223	7.4	20.9
11 7	3 32.30	+ 1 43.5	2.267	3.224	5.5	20.8
11 17	3 24.20	+ 1 21.4	2.269	3.225	5.3	20.8
11 27	3 16.29	+ 1 12.8	2.300	3.226	7.2	20.9
12 7	3 9.33	+ 1 19.1	2.358	3.227	9.7	21.0
12 17	3 3.90	+ 1 40.1	2.441	3.227	12.1	21.2

27048 Jangong 11 15.9 230°.57 3°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 57.76	+26 37.0	1.753	2.531	17.1	19.1
10 18	3 53.16	+27 3.3	1.660	2.524	13.9	18.9
10 28	3 45.47	+27 17.9	1.588	2.517	10.1	18.7
11 7	3 35.32	+27 18.6	1.541	2.510	6.0	18.4
11 17	3 23.80	+27 4.4	1.520	2.502	3.2	18.2
11 27	3 12.37	+26 37.6	1.527	2.494	5.7	18.4
12 7	3 2.47	+26 3.5	1.562	2.486	9.9	18.6
12 17	2 55.17	+25 28.7	1.622	2.478	13.9	18.8

127431 2002 PB_{15} 11 15.9 149°.43 2°.1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.67	+13 31.2	2.592	3.385	11.8	20.4
10 18	3 45.37	+12 58.7	2.510	3.390	9.2	20.3
10 28	3 39.34	+12 23.1	2.452	3.394	6.2	20.1
11 7	3 32.08	+11 46.7	2.421	3.399	3.3	19.9
11 17	3 24.24	+11 12.5	2.420	3.402	2.3	19.8
11 27	3 16.59	+10 43.5	2.450	3.406	4.8	20.0
12 7	3 9.85	+10 22.5	2.508	3.410	7.8	20.2
12 17	3 4.57	+10 11.2	2.593	3.413	10.5	20.4

444610 2006 US_{295} 11 15.9 356°.26 0°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.30	+20 31.3	1.538	2.353	17.5	21.4
10 18	3 47.33	+20 24.5	1.459	2.350	13.8	21.2
10 28	3 41.44	+20 7.9	1.401	2.348	9.5	20.9
11 7	3 33.33	+19 42.5	1.366	2.346	4.6	20.6
11 17	3 24.07	+19 10.7	1.356	2.345	0.6	20.3
11 27	3 15.06	+18 37.2	1.374	2.345	5.7	20.7
12 7	3 7.58	+18 7.5	1.418	2.345	10.4	21.0
12 17	3 2.59	+17 46.3	1.485	2.347	14.6	21.2

201504 2003 MW_{9} 11 15.9 31°.49 14°.6/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 0.55	+55 42.9	1.264	1.946	26.9	18.9
10 18	3 57.75	+56 21.5	1.218	1.969	24.4	18.7
10 28	3 49.40	+56 18.8	1.182	1.994	21.5	18.6
11 7	3 37.14	+55 25.3	1.160	2.021	18.5	18.5
11 17	3 23.64	+53 37.1	1.157	2.049	15.9	18.4
11 27	3 11.83	+51 0.4	1.174	2.077	14.6	18.5
12 7	3 3.74	+47 52.0	1.215	2.107	15.0	18.6
12 17	3 0.12	+44 32.2	1.279	2.138	16.7	18.8

47878 2000 FK_{25} 11 15.9 243°.61 2°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.48	+13 13.6	2.448	3.247	12.2	19.2
10 18	3 44.61	+12 27.3	2.360	3.244	9.5	19.0
10 28	3 38.92	+11 36.8	2.296	3.240	6.5	18.9
11 7	3 31.91	+10 45.4	2.260	3.236	3.6	18.7
11 17	3 24.26	+ 9 56.8	2.252	3.233	2.8	18.6
11 27	3 16.77	+ 9 14.8	2.275	3.229	5.4	18.8
12 7	3 10.20	+ 8 42.8	2.326	3.225	8.4	19.0
12 17	3 5.15	+ 8 22.8	2.402	3.221	11.3	19.1

457960 2009 VU_{67} 11 15.9 29°.78 0°.2/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.29	+19 10.0	2.161	2.952	13.9	21.0
10 18	3 47.94	+19 21.0	2.078	2.955	10.9	20.8
10 28	3 41.37	+19 26.7	2.017	2.958	7.5	20.6
11 7	3 33.15	+19 27.3	1.983	2.962	3.6	20.4
11 17	3 24.10	+19 23.8	1.977	2.965	0.5	20.1
11 27	3 15.24	+19 18.4	2.001	2.969	4.4	20.5
12 7	3 7.50	+19 13.8	2.053	2.973	8.1	20.7
12 17	3 1.62	+19 12.8	2.131	2.978	11.4	20.9

157453 2004 VG_{72} 11 15.9 166°.21 0°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.92	+16 32.7	2.608	3.392	11.9	20.1
10 18	3 47.19	+16 27.5	2.520	3.395	9.4	19.9
10 28	3 40.62	+16 18.5	2.457	3.398	6.3	19.7
11 7	3 32.72	+16 6.7	2.421	3.400	3.0	19.5
11 17	3 24.17	+15 53.8	2.414	3.402	1.0	19.3
11 27	3 15.77	+15 42.1	2.439	3.404	4.1	19.6
12 7	3 8.29	+15 33.8	2.493	3.405	7.3	19.8
12 17	3 2.34	+15 31.1	2.574	3.406	10.2	20.0

414577 2009 SO_{357} 11 15.9 97°.82 0°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.17	+20 55.1	2.378	3.157	13.1	21.1
10 18	3 48.36	+21 4.5	2.298	3.168	10.3	21.0
10 28	3 41.49	+21 7.5	2.242	3.179	7.1	20.8
11 7	3 33.16	+21 4.4	2.213	3.190	3.5	20.6
11 17	3 24.12	+20 55.9	2.212	3.201	0.7	20.4
11 27	3 15.30	+20 44.4	2.243	3.211	4.0	20.7
12 7	3 7.56	+20 32.6	2.302	3.221	7.4	20.9
12 17	3 1.56	+20 23.4	2.388	3.232	10.5	21.1

218199 2002 TW_{134} 11 15.9 32°.03 6°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.62	+31 40.9	1.186	1.986	22.5	19.1
10 18	3 52.66	+32 30.4	1.127	1.997	18.6	18.9
10 28	3 45.63	+32 59.5	1.084	2.009	14.1	18.7
11 7	3 35.48	+33 3.1	1.062	2.022	9.5	18.5
11 17	3 23.82	+32 39.2	1.062	2.036	6.6	18.4
11 27	3 12.76	+31 52.1	1.087	2.051	8.1	18.5
12 7	3 4.13	+30 51.4	1.136	2.066	12.1	18.8
12 17	2 59.04	+29 48.4	1.206	2.083	16.2	19.1

296486 2009 HT_{105} 11 15.9 134°.74 0°.2/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 57.77	+21 3.5	1.668	2.462	17.2	21.7
10 18	3 52.73	+20 35.7	1.595	2.474	13.6	21.5
10 28	3 44.83	+19 56.8	1.543	2.485	9.3	21.2
11 7	3 34.84	+19 8.5	1.516	2.495	4.4	21.0
11 17	3 23.92	+18 14.2	1.516	2.505	0.6	20.7
11 27	3 13.43	+17 19.6	1.546	2.514	5.6	21.1
12 7	3 4.62	+16 30.8	1.603	2.523	10.1	21.4
12 17	2 58.31	+15 53.0	1.685	2.530	14.0	21.6

214864 2007 EF_{1} 11 15.9 145°.37 3°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.11	+12 16.7	1.751	2.560	15.9	20.8
10 18	3 49.66	+11 26.3	1.677	2.565	12.5	20.6
10 28	3 42.65	+10 31.7	1.625	2.570	8.6	20.4
11 7	3 33.78	+ 9 37.3	1.599	2.575	4.9	20.2
11 17	3 24.05	+ 8 48.2	1.600	2.579	3.9	20.1
11 27	3 14.64	+ 8 9.9	1.630	2.583	7.1	20.3
12 7	3 6.65	+ 7 46.1	1.687	2.587	11.0	20.6
12 17	3 0.86	+ 7 38.8	1.767	2.591	14.4	20.8

229790 2008 RH_{30} 11 15.9 238°.77 0°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.27	+19 3.4	1.844	2.642	15.7	21.3
10 18	3 49.99	+18 43.9	1.752	2.633	12.4	21.1
10 28	3 43.06	+18 15.8	1.680	2.624	8.5	20.8
11 7	3 34.08	+17 40.7	1.634	2.614	4.1	20.5
11 17	3 24.00	+17 1.1	1.616	2.605	0.9	20.3
11 27	3 14.07	+16 21.7	1.627	2.594	5.5	20.6
12 7	3 5.44	+15 47.3	1.666	2.584	9.9	20.8
12 17	2 59.03	+15 22.4	1.729	2.573	13.8	21.0

485818 2012 DU_{52} 11 15.9 241°.07 3°.6/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.89	+29 32.8	2.331	3.087	14.0	21.8
10 18	3 49.33	+30 0.8	2.237	3.084	11.5	21.6
10 28	3 42.42	+30 17.9	2.165	3.081	8.5	21.4
11 7	3 33.71	+30 22.2	2.118	3.078	5.5	21.2
11 17	3 24.05	+30 13.0	2.099	3.074	3.6	21.1
11 27	3 14.49	+29 51.8	2.109	3.071	5.0	21.2
12 7	3 6.07	+29 22.5	2.148	3.068	7.9	21.4
12 17	2 59.58	+28 49.9	2.213	3.064	10.9	21.5

472379 2015 BM_{88} 11 15.9 188°.26 2°.7/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.32	+26 32.7	1.560	2.348	18.5	21.1
10 18	3 52.99	+26 34.7	1.477	2.348	14.9	20.8
10 28	3 45.40	+26 21.8	1.414	2.348	10.7	20.6
11 7	3 35.28	+25 52.5	1.374	2.347	6.0	20.3
11 17	3 23.86	+25 7.8	1.361	2.346	2.7	20.1
11 27	3 12.73	+24 12.5	1.375	2.345	5.8	20.3
12 7	3 3.39	+23 14.1	1.416	2.343	10.5	20.6
12 17	2 56.85	+22 20.3	1.481	2.341	14.8	20.8

419957 2011 BW_{99} 11 15.9 249°.92 4°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.15	+32 47.2	2.437	3.181	13.8	21.2
10 18	3 47.88	+32 59.4	2.342	3.178	11.4	21.1
10 28	3 41.36	+32 58.1	2.269	3.176	8.7	20.9
11 7	3 33.17	+32 41.8	2.221	3.174	5.9	20.7
11 17	3 24.14	+32 10.3	2.201	3.171	4.1	20.6
11 27	3 15.27	+31 25.8	2.209	3.169	5.0	20.6
12 7	3 7.54	+30 32.9	2.247	3.166	7.6	20.8
12 17	3 1.67	+29 37.1	2.311	3.163	10.4	21.0

242637 2005 MQ_{38} 11 15.9 153°.14 1°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.73	+24 33.7	2.054	2.836	14.8	21.6
10 18	3 48.49	+24 28.6	1.968	2.837	11.8	21.4
10 28	3 41.85	+24 12.8	1.903	2.838	8.3	21.1
11 7	3 33.42	+23 46.2	1.864	2.839	4.4	20.9
11 17	3 24.11	+23 10.3	1.853	2.840	1.5	20.7
11 27	3 15.02	+22 28.7	1.871	2.841	4.6	20.9
12 7	3 7.18	+21 46.2	1.918	2.842	8.4	21.2
12 17	3 1.38	+21 7.7	1.990	2.842	11.9	21.4

10028 Bonus 11 15.9 112°.05 0°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.56	+19 58.5	1.810	2.603	16.1	18.4
10 18	3 51.49	+19 36.3	1.741	2.619	12.6	18.2
10 28	3 43.82	+19 5.2	1.694	2.636	8.6	18.0
11 7	3 34.32	+18 26.8	1.672	2.651	4.1	17.8
11 17	3 24.02	+17 44.1	1.678	2.666	0.7	17.6
11 27	3 14.15	+17 1.8	1.713	2.681	5.2	17.9
12 7	3 5.81	+16 24.9	1.777	2.695	9.4	18.2
12 17	2 59.74	+15 57.3	1.866	2.709	13.0	18.5

513597 2011 EV_{43} 11 15.9 224°.85 1°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.57	+17 31.0	1.798	2.597	16.0	22.4
10 18	3 51.05	+17 13.7	1.707	2.590	12.6	22.2
10 28	3 43.81	+16 49.3	1.638	2.582	8.6	21.9
11 7	3 34.45	+16 19.4	1.594	2.574	4.2	21.6
11 17	3 23.98	+15 46.9	1.578	2.566	1.3	21.4
11 27	3 13.65	+15 15.8	1.591	2.557	5.7	21.7
12 7	3 4.68	+14 50.9	1.632	2.548	10.2	21.9
12 17	2 57.99	+14 35.8	1.697	2.538	14.1	22.2

40319 1999 LR_{11} 11 15.9 42°.68 2°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.87	+17 40.8	1.037	1.879	22.2	18.1
10 18	3 50.70	+16 47.8	0.994	1.901	17.3	17.9
10 28	3 43.83	+15 43.9	0.969	1.924	11.6	17.7
11 7	3 34.40	+14 34.8	0.966	1.947	5.6	17.4
11 17	3 24.02	+13 28.3	0.986	1.972	2.8	17.3
11 27	3 14.54	+12 33.1	1.030	1.997	7.9	17.7
12 7	3 7.40	+11 55.6	1.098	2.023	13.1	18.1
12 17	3 3.42	+11 38.6	1.187	2.049	17.5	18.4

139641 2001 QY_{165} 11 15.9 87°.16 2°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.45	+13 36.1	1.932	2.735	14.9	20.0
10 18	3 48.91	+13 18.5	1.860	2.744	11.6	19.9
10 28	3 42.03	+12 57.8	1.810	2.754	7.9	19.6
11 7	3 33.47	+12 36.5	1.785	2.764	4.0	19.4
11 17	3 24.13	+12 17.5	1.789	2.774	2.4	19.3
11 27	3 15.09	+12 4.2	1.823	2.783	5.7	19.6
12 7	3 7.34	+11 59.2	1.883	2.793	9.5	19.8
12 17	3 1.60	+12 4.3	1.969	2.802	12.8	20.1

517228 2014 BD_{46} 11 15.9 328°.17 7°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.40	+ 4 54.2	1.305	2.143	18.7	21.3
10 18	3 46.99	+ 3 46.9	1.229	2.129	15.2	21.0
10 28	3 41.45	+ 2 40.7	1.172	2.115	11.4	20.8
11 7	3 33.46	+ 1 44.1	1.138	2.103	8.5	20.6
11 17	3 24.12	+ 1 5.6	1.128	2.091	8.4	20.5
11 27	3 14.94	+ 0 52.1	1.141	2.079	11.4	20.7
12 7	3 7.37	+ 1 6.5	1.177	2.069	15.4	20.9
12 17	3 2.45	+ 1 47.6	1.232	2.060	19.2	21.1

396225 2014 AP_{49} 11 15.9 233°.47 3°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.46	+10 23.6	1.774	2.582	15.8	21.6
10 18	3 50.07	+ 9 54.4	1.690	2.576	12.5	21.3
10 28	3 43.07	+ 9 23.7	1.627	2.571	8.7	21.1
11 7	3 34.08	+ 8 55.1	1.590	2.565	5.1	20.9
11 17	3 24.05	+ 8 32.8	1.581	2.559	4.0	20.8
11 27	3 14.20	+ 8 20.7	1.599	2.553	7.2	21.0
12 7	3 5.67	+ 8 21.8	1.644	2.546	11.1	21.2
12 17	2 59.34	+ 8 37.2	1.713	2.540	14.7	21.4

365287 2009 RS_{16} 11 15.9 24°.42 4°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.01	+11 2.5	1.676	2.501	15.8	19.8
10 18	3 44.92	+10 1.6	1.615	2.511	12.4	19.6
10 28	3 39.42	+ 8 57.8	1.575	2.522	8.6	19.4
11 7	3 32.23	+ 7 56.5	1.559	2.534	5.2	19.2
11 17	3 24.30	+ 7 3.6	1.571	2.546	4.6	19.2
11 27	3 16.74	+ 6 24.4	1.609	2.559	7.5	19.4
12 7	3 10.53	+ 6 2.4	1.673	2.573	11.1	19.7
12 17	3 6.38	+ 5 58.6	1.760	2.588	14.3	19.9

493966 2016 AX_{60} 11 15.9 271°.30 4°.1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.69	+33 27.3	2.452	3.194	13.7	21.3
10 18	3 47.52	+33 33.5	2.355	3.189	11.4	21.1
10 28	3 41.12	+33 25.7	2.280	3.185	8.7	20.9
11 7	3 33.07	+33 2.2	2.230	3.181	6.0	20.7
11 17	3 24.18	+32 23.1	2.207	3.177	4.2	20.6
11 27	3 15.47	+31 30.8	2.213	3.172	5.0	20.7
12 7	3 7.89	+30 30.2	2.249	3.168	7.6	20.8
12 17	3 2.16	+29 27.0	2.311	3.164	10.4	21.0

456099 2006 BJ_{214} 11 15.9 245°.08 3°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.65	+30 52.9	2.932	3.671	11.8	22.1
10 18	3 47.92	+30 56.1	2.817	3.653	9.7	21.9
10 28	3 41.25	+30 48.3	2.724	3.634	7.3	21.7
11 7	3 33.11	+30 28.4	2.657	3.615	4.7	21.5
11 17	3 24.18	+29 56.4	2.620	3.596	3.0	21.4
11 27	3 15.28	+29 14.2	2.614	3.576	4.1	21.4
12 7	3 7.24	+28 25.4	2.638	3.555	6.7	21.6
12 17	3 0.75	+27 34.5	2.690	3.534	9.4	21.7

55236 2001 RW_{80} 11 15.9 273°.06 1°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.12	+15 4.2	2.006	2.806	14.5	18.6
10 18	3 48.77	+14 59.3	1.919	2.802	11.4	18.4
10 28	3 42.06	+14 50.8	1.854	2.798	7.8	18.1
11 7	3 33.56	+14 40.4	1.814	2.794	3.8	17.9
11 17	3 24.12	+14 30.0	1.803	2.790	1.7	17.7
11 27	3 14.83	+14 22.6	1.822	2.786	5.3	18.0
12 7	3 6.72	+14 20.9	1.868	2.782	9.2	18.2
12 17	3 0.57	+14 27.2	1.939	2.778	12.7	18.4

347815 2002 NG_{60} 11 15.9 264°.55 5°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.77	+ 5 40.1	1.857	2.665	15.2	20.7
10 18	3 48.58	+ 4 59.9	1.775	2.659	12.2	20.5
10 28	3 41.96	+ 4 21.6	1.715	2.652	8.9	20.3
11 7	3 33.51	+ 3 50.0	1.681	2.646	6.1	20.1
11 17	3 24.13	+ 3 29.9	1.673	2.639	5.8	20.1
11 27	3 14.92	+ 3 25.1	1.694	2.633	8.2	20.2
12 7	3 6.94	+ 3 37.6	1.740	2.626	11.6	20.4
12 17	3 0.99	+ 4 7.1	1.810	2.619	14.8	20.6

84200 Robertmoore 11 15.9 297°.06 2°.6/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.90	+11 26.8	2.329	3.130	12.7	19.6
10 18	3 45.89	+11 7.3	2.239	3.122	10.0	19.4
10 28	3 39.91	+10 46.4	2.172	3.115	6.9	19.2
11 7	3 32.47	+10 26.4	2.131	3.107	3.8	19.0
11 17	3 24.27	+10 10.0	2.119	3.099	2.8	18.9
11 27	3 16.18	+10 0.2	2.136	3.092	5.5	19.0
12 7	3 9.04	+ 9 59.2	2.182	3.085	8.7	19.2
12 17	3 3.51	+10 8.2	2.253	3.077	11.7	19.4

331027 2009 VH_8 11 15.9 296°.82 0°.1/15.9 17

10 8	3 49.41	+21 22.4	2.315	3.103	13.2	20.4
10 18	3 45.56	+20 51.9	2.225	3.101	10.4	20.3
10 28	3 39.69	+20 12.3	2.158	3.099	7.1	20.0
11 7	3 32.35	+19 25.2	2.117	3.096	3.4	19.8
11 17	3 24.29	+18 33.3	2.105	3.094	0.4	19.6
11 27	3 16.42	+17 40.7	2.124	3.092	4.3	19.9
12 7	3 9.59	+16 51.8	2.171	3.089	7.9	20.1
12 17	3 4.45	+16 10.7	2.244	3.087	11.1	20.3

325712 2009 UK_{96} 11 15.9 39°.61 1°.1/15.2 18

10 8	3 50.15	+17 11.5	2.090	2.891	14.0	21.0
10 18	3 46.25	+16 49.6	2.012	2.896	10.9	20.8
10 28	3 40.20	+16 21.8	1.957	2.901	7.4	20.6
11 7	3 32.60	+15 50.1	1.927	2.907	3.5	20.4
11 17	3 24.26	+15 17.3	1.926	2.913	1.3	20.2
11 27	3 16.17	+14 47.2	1.954	2.919	4.9	20.5
12 7	3 9.21	+14 23.4	2.009	2.925	8.6	20.7
12 17	3 4.09	+14 8.4	2.090	2.931	11.9	21.0

369805 2012 HJ_{41} 11 15.9 186°.68 0°.7/15.3 18

10 8	3 49.66	+18 49.8	2.564	3.351	12.1	21.1
10 18	3 45.49	+18 16.5	2.475	3.351	9.4	20.9
10 28	3 39.51	+17 36.3	2.409	3.350	6.4	20.7
11 7	3 32.22	+16 51.2	2.370	3.350	3.0	20.5
11 17	3 24.32	+16 3.9	2.361	3.349	0.9	20.3
11 27	3 16.58	+15 17.9	2.383	3.348	4.2	20.6
12 7	3 9.78	+14 37.0	2.434	3.347	7.5	20.8
12 17	3 4.49	+14 4.2	2.512	3.345	10.4	21.0

513290 2007 AT_{31} 11 15.9 346°.77 3°.4/17.7 18

10 8	3 53.43	+28 16.3	1.417	2.215	19.5	21.0
10 18	3 50.31	+28 17.6	1.337	2.212	15.9	20.7
10 28	3 43.77	+28 0.9	1.276	2.210	11.6	20.5
11 7	3 34.58	+27 24.6	1.237	2.208	6.8	20.2
11 17	3 24.01	+26 29.7	1.223	2.206	3.4	20.0
11 27	3 13.76	+25 21.9	1.235	2.205	6.2	20.2
12 7	3 5.38	+24 10.2	1.273	2.204	11.0	20.4
12 17	2 59.95	+23 3.5	1.333	2.204	15.4	20.7

59947 1999 RV_{205} 11 15.9 53°.97 4°.7/19.1 18

10 8	3 53.51	+33 22.9	2.049	2.801	15.8	19.0
10 18	3 49.31	+33 40.1	1.969	2.809	13.1	18.8
10 28	3 42.49	+33 41.6	1.910	2.818	10.0	18.6
11 7	3 33.77	+33 25.1	1.875	2.827	6.9	18.4
11 17	3 24.13	+32 50.6	1.866	2.836	4.8	18.3
11 27	3 14.80	+32 0.9	1.886	2.845	5.7	18.4
12 7	3 6.89	+31 1.9	1.933	2.854	8.5	18.6
12 17	3 1.23	+30 0.3	2.006	2.863	11.6	18.8

483213 2015 QY_9 11 15.9 57°.12 2°.8/17.6 18

10 8	3 53.47	+27 34.9	1.810	2.591	16.5	21.0
10 18	3 49.42	+27 36.1	1.733	2.598	13.4	20.8
10 28	3 42.65	+27 23.2	1.676	2.606	9.6	20.6
11 7	3 33.86	+26 55.7	1.643	2.613	5.6	20.4
11 17	3 24.12	+26 14.5	1.637	2.621	2.8	20.3
11 27	3 14.71	+25 24.0	1.660	2.628	5.1	20.4
12 7	3 6.81	+24 30.1	1.709	2.636	9.0	20.7
12 17	3 1.25	+23 39.4	1.784	2.644	12.7	20.9

142825 2002 VV_6 11 15.9 64°.23 1°.3/16.5 18

10 8	3 55.82	+22 15.6	1.740	2.533	16.7	19.8
10 18	3 51.12	+22 27.1	1.675	2.551	13.2	19.6
10 28	3 43.70	+22 29.3	1.631	2.570	9.1	19.4
11 7	3 34.32	+22 22.1	1.611	2.588	4.7	19.2
11 17	3 24.08	+22 6.5	1.619	2.607	1.3	19.0
11 27	3 14.26	+21 45.9	1.656	2.626	5.0	19.3
12 7	3 6.02	+21 24.7	1.720	2.645	9.2	19.6
12 17	3 0.16	+21 7.3	1.809	2.664	12.8	19.9

71862 2000 VO_{23} 11 15.9 308°.65 0°.2/15.8 18

10 8	3 51.55	+21 38.1	1.296	2.120	19.6	18.6
10 18	3 49.06	+21 8.4	1.211	2.106	15.7	18.3
10 28	3 43.10	+20 23.2	1.144	2.093	10.9	18.0
11 7	3 34.35	+19 24.0	1.099	2.080	5.3	17.6
11 17	3 24.05	+18 15.1	1.079	2.067	0.7	17.3
11 27	3 13.89	+17 4.3	1.084	2.055	6.8	17.6
12 7	3 5.53	+16 0.8	1.114	2.043	12.5	17.9
12 17	3 0.15	+15 12.3	1.166	2.032	17.5	18.2

69037 2002 XD_{43} 11 15.9 321°.01 2°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.62	+14 0.2	1.880	2.686	15.1	19.8
10 18	3 48.52	+13 47.2	1.797	2.683	11.9	19.5
10 28	3 41.95	+13 30.8	1.735	2.681	8.1	19.3
11 7	3 33.54	+13 13.3	1.699	2.678	4.1	19.1
11 17	3 24.18	+12 57.4	1.691	2.676	2.3	18.9
11 27	3 15.00	+12 46.5	1.711	2.674	5.8	19.2
12 7	3 7.07	+12 43.5	1.759	2.671	9.8	19.4
12 17	3 1.19	+12 50.5	1.831	2.669	13.4	19.6

121585 1999 VE_{103} 11 15.9 73°.29 0°.1/15.8 18

10 8	3 51.51	+20 5.1	2.125	2.917	14.1	20.4
10 18	3 47.25	+19 46.6	2.052	2.930	11.0	20.2
10 28	3 40.84	+19 20.5	2.000	2.942	7.5	20.0
11 7	3 32.90	+18 48.1	1.975	2.954	3.6	19.8
11 17	3 24.27	+18 12.1	1.978	2.967	0.5	19.5
11 27	3 15.94	+17 35.9	2.012	2.979	4.5	19.9
12 7	3 8.81	+17 3.8	2.073	2.992	8.2	20.1
12 17	3 3.54	+16 38.9	2.160	3.004	11.4	20.4

454724 2014 ST_{265} 11 15.9 206°.57 2°.2/17.6 18

10 8	3 50.97	+28 2.8	2.322	3.089	13.7	20.6
10 18	3 46.89	+27 48.5	2.231	3.089	11.1	20.4
10 28	3 40.65	+27 21.7	2.162	3.088	8.0	20.2
11 7	3 32.84	+26 42.2	2.119	3.088	4.6	20.0
11 17	3 24.27	+25 51.5	2.104	3.088	2.2	19.8
11 27	3 15.92	+24 53.3	2.119	3.088	4.2	20.0
12 7	3 8.70	+23 52.8	2.164	3.087	7.6	20.2
12 17	3 3.29	+22 55.1	2.234	3.087	10.7	20.4

249294 2008 TC_{118} 11 15.9 70°.68 0°.6/16.3 17

10 8	3 50.67	+21 21.9	2.428	3.211	12.8	20.7
10 18	3 46.45	+21 20.0	2.343	3.215	10.1	20.5
10 28	3 40.25	+21 11.1	2.281	3.219	6.9	20.3
11 7	3 32.63	+20 55.7	2.246	3.224	3.5	20.1
11 17	3 24.31	+20 35.2	2.239	3.228	0.6	19.9
11 27	3 16.16	+20 12.2	2.263	3.232	4.0	20.2
12 7	3 9.02	+19 49.9	2.316	3.236	7.3	20.4
12 17	3 3.54	+19 31.3	2.395	3.241	10.4	20.6

322980 2002 NJ_{19} 11 15.9 74°.46 4°.5/13.9 16

10 8	3 58.86	+10 46.2	1.397	2.213	18.9	21.3
10 18	3 53.55	+ 9 58.1	1.352	2.243	14.7	21.1
10 28	3 45.27	+ 9 8.7	1.327	2.272	10.1	20.9
11 7	3 35.00	+ 8 23.4	1.327	2.301	5.8	20.8
11 17	3 24.04	+ 7 47.6	1.353	2.330	4.8	20.8
11 27	3 13.84	+ 7 26.2	1.406	2.359	8.1	21.1
12 7	3 5.59	+ 7 21.6	1.484	2.387	12.1	21.4
12 17	3 0.00	+ 7 34.0	1.586	2.414	15.6	21.7

220895 2004 YB_1 11 15.9 343°.94 7°.2/17.1 17

10 8	3 59.39	+28 22.2	1.572	2.351	18.7	19.1
10 18	3 55.51	+30 28.5	1.478	2.335	15.7	18.8
10 28	3 47.90	+32 31.4	1.403	2.319	12.2	18.6
11 7	3 36.95	+34 23.0	1.353	2.305	8.9	18.4
11 17	3 23.72	+35 54.8	1.329	2.292	7.2	18.2
11 27	3 9.98	+37 1.4	1.332	2.281	8.8	18.3
12 7	2 57.73	+37 43.4	1.360	2.271	12.3	18.5
12 17	2 48.60	+38 6.6	1.412	2.263	15.9	18.7

107861 2001 FN_{80} 11 15.9 136°.23 3°.3/18.6 18

10 8	3 53.36	+31 40.6	2.894	3.629	12.0	20.0
10 18	3 48.32	+31 52.6	2.808	3.640	9.8	19.9
10 28	3 41.40	+31 53.5	2.745	3.651	7.4	19.7
11 7	3 33.15	+31 42.3	2.707	3.661	4.9	19.6
11 17	3 24.26	+31 19.1	2.699	3.671	3.3	19.5
11 27	3 15.58	+30 45.7	2.722	3.681	4.2	19.6
12 7	3 7.88	+30 5.7	2.774	3.690	6.5	19.7
12 17	3 1.78	+29 23.3	2.854	3.699	8.9	19.9

255069 2005 UP_1 11 15.9 317°.62 0°.7/16.3 17

10 8	3 51.12	+21 11.5	1.857	2.657	15.5	20.8
10 18	3 47.64	+21 14.7	1.762	2.643	12.4	20.6
10 28	3 41.57	+21 9.5	1.688	2.630	8.6	20.3
11 7	3 33.45	+20 56.3	1.639	2.618	4.3	20.0
11 17	3 24.21	+20 36.1	1.617	2.605	0.8	19.8
11 27	3 15.02	+20 12.2	1.623	2.593	5.0	20.0
12 7	3 7.07	+19 48.9	1.657	2.582	9.4	20.3
12 17	3 1.28	+19 30.6	1.715	2.571	13.3	20.5

267609 2002 RG_{111} 11 15.9 51°.82 4°.5/18.2 18

10 8	3 59.15	+29 42.2	1.204	2.003	22.3	19.8
10 18	3 54.86	+30 0.0	1.157	2.030	18.0	19.6
10 28	3 46.71	+29 57.3	1.127	2.058	13.1	19.4
11 7	3 35.84	+29 31.7	1.118	2.086	8.0	19.2
11 17	3 23.95	+28 44.8	1.133	2.114	4.6	19.1
11 27	3 12.98	+27 43.1	1.175	2.143	6.8	19.3
12 7	3 4.50	+26 36.7	1.241	2.172	11.2	19.6
12 17	2 59.38	+25 35.2	1.329	2.201	15.3	20.0

356390 2010 PB_{58} 11 15.9 129°.33 0°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.41	+18 2.6	2.185	2.974	13.8	21.3
10 18	3 48.67	+17 42.9	2.107	2.984	10.8	21.1
10 28	3 41.79	+17 16.9	2.052	2.994	7.3	20.9
11 7	3 33.37	+16 46.3	2.023	3.003	3.5	20.7
11 17	3 24.25	+16 13.7	2.024	3.012	1.0	20.5
11 27	3 15.40	+15 42.5	2.054	3.020	4.7	20.8
12 7	3 7.71	+15 16.3	2.114	3.028	8.3	21.0
12 17	3 1.87	+14 58.2	2.199	3.036	11.5	21.2

108617 2001 MA_{26} 11 15.9 331°.96 6°.0/12.0 18

10 8	3 49.92	+ 7 6.7	1.783	2.600	15.3	19.2
10 18	3 46.39	+ 5 46.3	1.709	2.598	12.2	19.0
10 28	3 40.48	+ 4 24.5	1.657	2.596	9.0	18.8
11 7	3 32.82	+ 3 8.0	1.630	2.594	6.4	18.6
11 17	3 24.33	+ 2 3.5	1.631	2.593	6.4	18.6
11 27	3 16.08	+ 1 17.3	1.658	2.591	8.9	18.8
12 7	3 9.10	+ 0 52.7	1.711	2.589	12.2	19.0
12 17	3 4.13	+ 0 50.3	1.787	2.588	15.3	19.2

326787 2003 SM_{281} 11 15.9 288°.24 0°.5/16.3 17

10 8	3 49.71	+23 8.2	2.275	3.060	13.5	20.5
10 18	3 45.92	+22 40.0	2.181	3.054	10.7	20.3
10 28	3 40.02	+22 1.3	2.109	3.048	7.4	20.1
11 7	3 32.58	+21 13.3	2.064	3.041	3.7	19.8
11 17	3 24.36	+20 18.5	2.047	3.035	0.6	19.6
11 27	3 16.31	+19 21.1	2.060	3.029	4.2	19.9
12 7	3 9.32	+18 26.0	2.102	3.023	7.9	20.1
12 17	3 4.08	+17 37.7	2.170	3.017	11.2	20.3

23324 Kwak 11 15.9 201°.63 1°.7/14.8 18

10 8	3 53.61	+15 29.4	2.273	3.063	13.3	20.2
10 18	3 48.85	+15 0.2	2.181	3.059	10.5	20.0
10 28	3 41.96	+14 26.0	2.113	3.055	7.1	19.8
11 7	3 33.50	+13 48.8	2.071	3.050	3.5	19.5
11 17	3 24.25	+13 11.7	2.059	3.044	1.9	19.4
11 27	3 15.15	+12 38.3	2.077	3.038	5.1	19.6
12 7	3 7.11	+12 12.3	2.124	3.031	8.7	19.8
12 17	3 0.83	+11 56.2	2.197	3.024	11.9	20.0

124370 2001 QX_{149} 11 15.9 340°.74 8°.8/11.6 18

10 8	3 45.96	+ 5 21.6	1.158	2.011	19.6	18.6
10 18	3 44.63	+ 3 55.8	1.088	1.996	16.0	18.4
10 28	3 40.03	+ 2 29.5	1.036	1.983	12.1	18.1
11 7	3 32.87	+ 1 12.8	1.006	1.971	9.2	17.9
11 17	3 24.32	+ 0 16.5	0.998	1.960	9.3	17.9
11 27	3 15.98	− 0 10.8	1.013	1.951	12.5	18.0
12 7	3 9.35	− 0 5.3	1.049	1.943	16.6	18.2
12 17	3 5.49	+ 0 31.4	1.103	1.937	20.5	18.5

123923 2001 DQ_{106} 11 15.9 110°.14 7°.0/10.4 18

10 8	3 48.53	− 1 8.6	2.397	3.193	12.5	19.6
10 18	3 44.58	− 2 27.4	2.332	3.198	10.3	19.4
10 28	3 38.88	− 3 40.9	2.291	3.204	8.3	19.3
11 7	3 31.95	− 4 43.6	2.276	3.210	7.1	19.2
11 17	3 24.46	− 5 30.5	2.289	3.215	7.3	19.3
11 27	3 17.20	− 5 58.1	2.329	3.220	8.9	19.4
12 7	3 10.88	− 6 5.0	2.395	3.226	10.9	19.5
12 17	3 6.06	− 5 52.0	2.483	3.231	13.0	19.7

318038 2004 ED_{65} 11 15.9 246°.36 5°.5/13.1 18

10 8	3 53.54	+ 3 41.9	2.103	2.901	14.0	20.6
10 18	3 48.92	+ 3 10.8	2.017	2.892	11.3	20.4
10 28	3 42.10	+ 2 43.4	1.953	2.884	8.4	20.2
11 7	3 33.61	+ 2 23.7	1.914	2.874	6.0	20.1
11 17	3 24.25	+ 2 15.8	1.904	2.865	5.7	20.0
11 27	3 15.02	+ 2 22.7	1.922	2.855	7.9	20.2
12 7	3 6.86	+ 2 45.5	1.968	2.846	10.8	20.3
12 17	3 0.53	+ 3 23.7	2.037	2.836	13.7	20.5

196108 2002 TX_{147} 11 15.9 346°.66 5°.7/20.0 17

10 8	3 51.24	+36 33.1	2.076	2.818	15.9	19.3
10 18	3 47.75	+36 49.3	1.985	2.814	13.4	19.1
10 28	3 41.61	+36 47.9	1.913	2.809	10.6	18.9
11 7	3 33.45	+36 26.0	1.864	2.805	7.8	18.7
11 17	3 24.27	+35 42.9	1.841	2.802	5.9	18.6
11 27	3 15.30	+34 41.3	1.845	2.799	6.4	18.7
12 7	3 7.72	+33 27.3	1.877	2.797	8.9	18.8
12 17	3 2.38	+32 8.5	1.935	2.795	11.8	19.0

429396 2010 RL_{58} 11 15.9 42°.37 6°.5/18.7 17

10 8	3 57.76	+31 25.8	1.132	1.934	23.2	21.1
10 18	3 54.52	+32 14.8	1.075	1.947	19.2	20.9
10 28	3 47.03	+32 42.9	1.034	1.960	14.5	20.7
11 7	3 36.26	+32 44.6	1.013	1.975	9.7	20.4
11 17	3 23.93	+32 18.1	1.015	1.990	6.6	20.3
11 27	3 12.28	+31 27.9	1.041	2.006	8.2	20.5
12 7	3 3.22	+30 24.4	1.090	2.022	12.4	20.8
12 17	2 57.89	+29 19.5	1.161	2.038	16.7	21.1

163868 2003 SF_{134} 11 15.9 151°.06 0°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.78	+19 13.9	2.216	3.000	13.8	21.1
10 18	3 49.72	+18 44.8	2.135	3.009	10.8	20.9
10 28	3 42.49	+18 8.0	2.077	3.018	7.3	20.7
11 7	3 33.73	+17 25.3	2.046	3.026	3.5	20.5
11 17	3 24.25	+16 39.6	2.045	3.033	0.9	20.3
11 27	3 15.06	+15 54.9	2.074	3.040	4.6	20.6
12 7	3 7.06	+15 15.5	2.132	3.046	8.3	20.8
12 17	3 0.93	+14 44.7	2.217	3.051	11.5	21.1

247243 2001 RL_{1} 11 15.9 79°.10 2°.3/17.2 18

10 8	3 55.21	+25 43.5	1.926	2.704	15.8	20.3
10 18	3 50.51	+25 52.3	1.854	2.720	12.6	20.2
10 28	3 43.25	+25 49.6	1.804	2.735	8.9	20.0
11 7	3 34.15	+25 34.9	1.779	2.751	5.0	19.8
11 17	3 24.21	+25 9.2	1.781	2.766	2.3	19.6
11 27	3 14.63	+24 35.6	1.813	2.782	4.8	19.8
12 7	3 6.50	+23 59.3	1.873	2.797	8.5	20.1
12 17	3 0.60	+23 25.3	1.958	2.812	11.9	20.3

522915 2016 PO_{108} 11 15.9 289°.88 3°.2/14.8 18

10 8	3 56.76	+11 29.1	1.446	2.263	18.3	21.7
10 18	3 52.58	+11 22.9	1.367	2.259	14.5	21.5
10 28	3 45.20	+11 16.0	1.307	2.254	10.1	21.2
11 7	3 35.30	+11 11.1	1.271	2.249	5.4	20.9
11 17	3 24.05	+11 11.5	1.261	2.245	3.5	20.8
11 27	3 12.99	+11 20.5	1.278	2.240	7.5	21.0
12 7	3 3.58	+11 40.4	1.321	2.236	12.2	21.3
12 17	2 56.89	+12 12.5	1.386	2.231	16.5	21.5

320207 2007 HU_{18} 11 15.9 172°.01 5°.0/11.4 18

10 8	3 48.79	+ 2 15.0	2.955	3.743	10.6	21.3
10 18	3 44.46	+ 1 11.6	2.879	3.746	8.6	21.2
10 28	3 38.65	+ 0 10.7	2.828	3.749	6.6	21.0
11 7	3 31.82	− 0 43.7	2.804	3.751	5.2	20.9
11 17	3 24.51	− 1 27.9	2.811	3.753	5.3	21.0
11 27	3 17.35	− 1 58.9	2.846	3.754	6.8	21.1
12 7	3 10.96	− 2 15.0	2.909	3.755	8.8	21.2
12 17	3 5.81	− 2 15.9	2.997	3.755	10.7	21.3

435076 2007 BD_{13} 11 15.9 353°.43 5°.6/13.8 18

10 8	3 53.01	+ 7 59.3	1.311	2.143	19.0	20.5
10 18	3 49.76	+ 7 25.9	1.241	2.140	15.2	20.3
10 28	3 43.30	+ 6 53.6	1.190	2.137	10.8	20.0
11 7	3 34.37	+ 6 28.0	1.162	2.136	6.8	19.8
11 17	3 24.18	+ 6 14.8	1.159	2.135	5.9	19.7
11 27	3 14.29	+ 6 18.6	1.181	2.134	9.2	19.9
12 7	3 6.13	+ 6 41.4	1.227	2.134	13.6	20.2
12 17	3 0.72	+ 7 22.7	1.293	2.135	17.7	20.4

89953 2002 JZ_{91} 11 15.9 55°.86 0°.1/15.9 18

10 8	3 53.13	+21 2.6	1.675	2.478	16.8	20.1
10 18	3 49.23	+20 43.5	1.600	2.484	13.3	19.9
10 28	3 42.58	+20 13.9	1.546	2.490	9.1	19.6
11 7	3 33.90	+19 35.3	1.516	2.495	4.4	19.4
11 17	3 24.25	+18 50.7	1.513	2.501	0.5	19.1
11 27	3 14.93	+18 5.1	1.538	2.508	5.4	19.5
12 7	3 7.14	+17 24.3	1.590	2.514	9.8	19.7
12 17	3 1.70	+16 52.8	1.666	2.520	13.7	20.0

202954 1999 RU_{68} 11 15.9 25°.12 3°.1/14.7 18

10 8	3 51.02	+13 42.7	1.154	1.997	20.4	19.3
10 18	3 48.32	+13 20.6	1.104	2.011	15.9	19.1
10 28	3 42.26	+12 54.3	1.073	2.027	10.8	18.9
11 7	3 33.79	+12 28.1	1.064	2.044	5.5	18.6
11 17	3 24.28	+12 6.7	1.078	2.063	3.3	18.6
11 27	3 15.39	+11 55.2	1.118	2.083	7.7	18.9
12 7	3 8.51	+11 56.9	1.180	2.104	12.5	19.2
12 17	3 4.50	+12 13.3	1.264	2.126	16.7	19.5

382073 2011 FV_{15} 11 15.9 189°.42 0°.6/16.2 18

10 8	3 56.75	+21 42.6	1.897	2.683	15.7	21.9
10 18	3 51.87	+21 34.1	1.809	2.682	12.5	21.7
10 28	3 44.32	+21 16.0	1.742	2.681	8.7	21.4
11 7	3 34.76	+20 48.7	1.701	2.679	4.3	21.2
11 17	3 24.15	+20 14.0	1.689	2.677	0.7	20.9
11 27	3 13.76	+19 35.8	1.705	2.674	5.0	21.2
12 7	3 4.75	+18 59.1	1.750	2.671	9.3	21.5
12 17	2 58.00	+18 28.7	1.820	2.667	13.1	21.7

25099 Mashinskiy 11 15.9 274°.00 2°.2/17.2 18 R

10 8	3 53.16	+26 6.0	1.879	2.662	15.9	18.8
10 18	3 49.26	+26 2.6	1.786	2.655	12.9	18.5
10 28	3 42.66	+25 46.3	1.715	2.648	9.2	18.3
11 7	3 34.00	+25 16.5	1.667	2.640	5.1	18.0
11 17	3 24.24	+24 34.4	1.647	2.633	2.2	17.8
11 27	3 14.65	+23 43.9	1.656	2.625	5.0	18.0
12 7	3 6.40	+22 51.0	1.692	2.618	9.2	18.2
12 17	3 0.42	+22 1.7	1.753	2.611	13.0	18.5

322941 2002 GE_{73} 11 15.9 198°.05 1°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 57.51	+16 5.3	1.693	2.494	16.7	21.6
10 18	3 52.71	+15 47.7	1.608	2.492	13.2	21.4
10 28	3 45.03	+15 24.2	1.545	2.489	9.0	21.1
11 7	3 35.14	+14 56.6	1.506	2.486	4.4	20.9
11 17	3 24.11	+14 28.0	1.496	2.482	1.9	20.7
11 27	3 13.28	+14 2.7	1.513	2.478	6.2	20.9
12 7	3 3.94	+13 45.1	1.559	2.473	10.7	21.2
12 17	2 57.04	+13 38.5	1.628	2.468	14.7	21.4

345345 2005 YL_{179} 11 15.9 329°.16 1°.3/14.9 18

10 8	3 46.87	+14 45.9	2.861	3.654	10.8	20.9
10 18	3 43.20	+14 31.8	2.768	3.648	8.4	20.7
10 28	3 37.95	+14 14.7	2.698	3.641	5.7	20.5
11 7	3 31.55	+13 56.3	2.656	3.635	2.8	20.3
11 17	3 24.56	+13 38.5	2.644	3.629	1.5	20.2
11 27	3 17.67	+13 23.6	2.662	3.624	4.1	20.4
12 7	3 11.52	+13 13.7	2.708	3.618	6.9	20.6
12 17	3 6.65	+13 10.6	2.782	3.613	9.5	20.7

222422 2001 KL_{53} 11 15.9 108°.11 1°.0/15.4 16

10 8	3 57.09	+18 47.1	1.695	2.494	16.8	21.6
10 18	3 52.06	+18 14.4	1.629	2.511	13.2	21.4
10 28	3 44.32	+17 32.8	1.585	2.529	8.9	21.2
11 7	3 34.67	+16 44.9	1.565	2.545	4.2	21.0
11 17	3 24.20	+15 54.5	1.574	2.562	1.3	20.8
11 27	3 14.23	+15 7.1	1.611	2.577	5.7	21.1
12 7	3 5.87	+14 27.9	1.676	2.593	10.0	21.4
12 17	2 59.89	+14 0.6	1.766	2.607	13.7	21.7

473553 2015 XQ_{201} 11 15.9 56°.50 0°.4/16.2 18

10 8	3 50.79	+23 9.8	2.007	2.798	14.8	20.6
10 18	3 46.90	+22 33.1	1.930	2.806	11.7	20.4
10 28	3 40.73	+21 44.9	1.875	2.815	8.0	20.2
11 7	3 32.93	+20 46.8	1.846	2.824	3.9	19.9
11 17	3 24.41	+19 42.4	1.845	2.833	0.5	19.7
11 27	3 16.22	+18 36.9	1.873	2.842	4.6	20.0
12 7	3 9.30	+17 35.8	1.930	2.851	8.5	20.3
12 17	3 4.34	+16 44.1	2.012	2.861	11.9	20.5

155905 2001 HV_{66} 11 15.9 121°.43 3°.4/18.0 18

10 8	3 59.19	+29 23.4	2.844	3.576	12.2	20.1
10 18	3 52.96	+30 12.5	2.760	3.591	10.0	19.9
10 28	3 44.66	+30 53.0	2.699	3.606	7.5	19.8
11 7	3 34.82	+31 22.5	2.666	3.620	4.9	19.6
11 17	3 24.19	+31 39.9	2.663	3.634	3.4	19.6
11 27	3 13.69	+31 45.4	2.692	3.648	4.5	19.7
12 7	3 4.20	+31 41.8	2.751	3.661	6.8	19.8
12 17	2 56.44	+31 32.4	2.838	3.674	9.2	20.0

284783 2008 YT_{35} 11 15.9 3°.49 5°.6/13.7 18

10 8	3 52.17	+ 6 57.5	1.456	2.283	17.7	20.3
10 18	3 48.74	+ 6 27.0	1.387	2.282	14.1	20.1
10 28	3 42.41	+ 5 58.8	1.338	2.282	10.2	19.9
11 7	3 33.89	+ 5 38.1	1.312	2.283	6.6	19.7
11 17	3 24.30	+ 5 29.9	1.311	2.284	5.8	19.6
11 27	3 14.99	+ 5 38.0	1.336	2.286	8.8	19.8
12 7	3 7.25	+ 6 3.8	1.386	2.289	12.7	20.1
12 17	3 1.98	+ 6 46.6	1.458	2.292	16.4	20.3

515484 2014 BB_{44} 11 15.9 261°.78 0°.4/16.1 18

10 8	3 54.61	+21 12.0	1.743	2.540	16.5	22.0
10 18	3 50.60	+21 3.5	1.648	2.528	13.2	21.8
10 28	3 43.72	+20 45.2	1.574	2.515	9.1	21.5
11 7	3 34.59	+20 17.3	1.524	2.502	4.5	21.2
11 17	3 24.20	+19 41.8	1.501	2.489	0.6	20.9
11 27	3 13.89	+19 2.9	1.507	2.476	5.4	21.2
12 7	3 4.96	+18 26.0	1.539	2.463	10.1	21.4
12 17	2 58.40	+17 56.4	1.596	2.449	14.3	21.7

520669 2014 QN_{450} 11 15.9 331°.75 3°.3/13.6 18

10 8	3 48.43	+12 49.5	2.009	2.821	14.1	20.6
10 18	3 45.05	+11 51.8	1.926	2.815	11.0	20.4
10 28	3 39.52	+10 49.1	1.865	2.810	7.6	20.1
11 7	3 32.40	+ 9 45.5	1.830	2.806	4.3	19.9
11 17	3 24.48	+ 8 46.1	1.823	2.801	3.6	19.9
11 27	3 16.76	+ 7 56.1	1.844	2.797	6.5	20.1
12 7	3 10.14	+ 7 19.8	1.893	2.793	10.0	20.3
12 17	3 5.33	+ 6 59.3	1.966	2.789	13.2	20.5

54822 2001 NQ_2 11 15.9 239°.24 6°.5/11.3 18

10 8	3 48.99	− 1 18.0	2.520	3.311	12.1	19.2
10 18	3 44.94	− 2 11.2	2.444	3.309	10.0	19.1
10 28	3 39.16	− 2 59.0	2.392	3.306	7.9	19.0
11 7	3 32.14	− 3 36.7	2.365	3.302	6.6	18.9
11 17	3 24.52	− 4 0.2	2.367	3.299	6.7	18.9
11 27	3 17.06	− 4 6.7	2.396	3.296	8.2	19.0
12 7	3 10.48	− 3 55.1	2.451	3.293	10.3	19.1
12 17	3 5.33	− 3 26.4	2.530	3.290	12.4	19.2

517302 2014 HM_{105} 11 15.9 261°.22 1°.6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.79	+15 37.7	1.835	2.639	15.5	22.1
10 18	3 49.63	+15 24.0	1.746	2.631	12.3	21.8
10 28	3 42.86	+15 5.4	1.679	2.624	8.4	21.6
11 7	3 34.10	+14 43.7	1.636	2.616	4.1	21.3
11 17	3 24.27	+14 21.6	1.622	2.609	1.8	21.2
11 27	3 14.58	+14 2.9	1.636	2.601	5.8	21.4
12 7	3 6.16	+13 51.2	1.678	2.593	10.0	21.6
12 17	2 59.90	+13 49.4	1.743	2.585	13.8	21.9

292066 2006 RE_{15} 11 15.9 218°.48 0°.7/16.3 17

10 8	3 55.73	+24 0.1	1.635	2.429	17.5	21.2
10 18	3 51.55	+23 25.4	1.547	2.424	14.0	21.0
10 28	3 44.36	+22 35.3	1.479	2.419	9.8	20.7
11 7	3 34.86	+21 30.7	1.435	2.413	4.9	20.4
11 17	3 24.19	+20 15.2	1.418	2.407	0.8	20.1
11 27	3 13.77	+18 55.7	1.431	2.400	5.6	20.4
12 7	3 4.96	+17 40.3	1.470	2.393	10.5	20.7
12 17	2 58.72	+16 36.4	1.533	2.386	14.8	20.9

515606 2014 JA_{85} 11 15.9 247°.11 3°.6/13.7 18

10 8	3 51.98	+11 48.2	1.986	2.792	14.4	21.9
10 18	3 47.93	+10 57.1	1.895	2.781	11.4	21.7
10 28	3 41.55	+10 1.7	1.827	2.771	7.9	21.5
11 7	3 33.41	+ 9 5.9	1.785	2.760	4.6	21.3
11 17	3 24.36	+ 8 14.6	1.771	2.748	3.9	21.2
11 27	3 15.44	+ 7 32.9	1.786	2.737	6.8	21.4
12 7	3 7.65	+ 7 5.0	1.827	2.725	10.5	21.6
12 17	3 1.79	+ 6 52.9	1.894	2.713	13.8	21.7

132635 2002 LG_{32} 11 15.9 77°.73 0°.5/15.6 18

10 8	3 55.04	+21 41.3	1.804	2.597	16.2	19.8
10 18	3 50.18	+20 46.6	1.745	2.623	12.6	19.7
10 28	3 42.86	+19 40.4	1.707	2.649	8.5	19.5
11 7	3 33.90	+18 25.9	1.695	2.675	4.0	19.2
11 17	3 24.34	+17 8.0	1.712	2.700	0.8	19.1
11 27	3 15.34	+15 53.1	1.758	2.725	5.2	19.4
12 7	3 7.89	+14 47.5	1.833	2.750	9.2	19.7
12 17	3 2.64	+13 55.4	1.933	2.774	12.6	20.0

97659 2000 FF_{22} 11 15.9 282°.75 2°.0/14.7 17

10 8	3 50.51	+13 15.1	2.345	3.142	12.7	19.8
10 18	3 46.44	+12 59.3	2.250	3.132	10.0	19.6
10 28	3 40.37	+12 41.0	2.179	3.122	6.9	19.4
11 7	3 32.81	+12 22.2	2.134	3.112	3.6	19.2
11 17	3 24.45	+12 5.3	2.118	3.102	2.2	19.0
11 27	3 16.17	+11 53.1	2.132	3.091	5.1	19.2
12 7	3 8.83	+11 48.1	2.174	3.081	8.5	19.4
12 17	3 3.11	+11 52.1	2.241	3.071	11.6	19.6

469448 2002 NE_{72} 11 15.9 63°.43 1°.5/15.3 18

10 8	3 56.44	+17 40.3	1.311	2.131	19.7	21.5
10 18	3 52.24	+17 13.0	1.256	2.150	15.4	21.3
10 28	3 44.76	+16 36.9	1.220	2.169	10.4	21.1
11 7	3 34.97	+15 55.2	1.207	2.188	5.0	20.8
11 17	3 24.21	+15 12.4	1.220	2.207	1.8	20.7
11 27	3 14.09	+14 34.6	1.259	2.226	6.7	21.0
12 7	3 5.97	+14 7.2	1.324	2.246	11.6	21.4
12 17	3 0.70	+13 53.7	1.411	2.265	15.7	21.7

155854 2001 BJ_{35} 11 15.9 169°.94 1°.8/17.4 18

10 8	3 52.16	+26 27.9	2.827	3.584	11.8	20.3
10 18	3 47.41	+26 25.9	2.734	3.587	9.4	20.2
10 28	3 40.84	+26 14.8	2.665	3.590	6.7	20.0
11 7	3 32.96	+25 54.5	2.623	3.592	3.8	19.8
11 17	3 24.44	+25 25.7	2.610	3.594	1.8	19.7
11 27	3 16.09	+24 50.8	2.628	3.596	3.6	19.8
12 7	3 8.65	+24 13.3	2.677	3.597	6.5	20.0
12 17	3 2.72	+23 36.8	2.753	3.598	9.2	20.2

332485 2008 EP_{136} 11 15.9 87°.99 0°.2/15.9 18

10 8	3 58.99	+19 45.6	1.571	2.370	17.9	21.4
10 18	3 53.74	+19 35.0	1.512	2.393	14.0	21.2
10 28	3 45.54	+19 15.4	1.473	2.416	9.5	21.0
11 7	3 35.28	+18 48.2	1.459	2.438	4.6	20.8
11 17	3 24.18	+18 16.1	1.472	2.460	0.6	20.5
11 27	3 13.65	+17 43.8	1.514	2.482	5.6	20.9
12 7	3 4.93	+17 16.2	1.582	2.503	10.1	21.2
12 17	2 58.82	+16 57.5	1.675	2.524	13.9	21.5

245887 2006 QY_{53} 11 15.9 68°.15 0°.4/15.8 18

10 8	3 57.25	+17 7.9	1.756	2.553	16.3	20.2
10 18	3 52.14	+17 20.6	1.692	2.573	12.8	20.0
10 28	3 44.38	+17 28.4	1.650	2.593	8.7	19.8
11 7	3 34.73	+17 32.1	1.633	2.613	4.1	19.6
11 17	3 24.24	+17 32.8	1.645	2.633	0.7	19.4
11 27	3 14.17	+17 33.1	1.685	2.653	5.2	19.8
12 7	3 5.65	+17 35.7	1.753	2.673	9.3	20.1
12 17	2 59.45	+17 43.5	1.846	2.693	12.9	20.3

116601 2004 BP_{106} 11 15.9 49°.01 8°.7/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 58.07	+41 9.4	1.680	2.408	19.6	18.6
10 18	3 53.88	+41 58.9	1.614	2.424	16.9	18.5
10 28	3 46.14	+42 25.4	1.565	2.440	13.8	18.3
11 7	3 35.74	+42 23.7	1.537	2.457	10.9	18.2
11 17	3 24.12	+41 51.0	1.533	2.474	9.0	18.1
11 27	3 13.04	+40 50.1	1.555	2.492	9.0	18.1
12 7	3 4.05	+39 29.3	1.602	2.509	11.0	18.3
12 17	2 58.16	+37 59.3	1.673	2.527	13.6	18.5

278895 2008 TG_{108} 11 15.9 277°.27 1°.2/15.2 17

10 8	3 50.51	+15 43.8	2.468	3.260	12.3	21.5
10 18	3 46.40	+15 33.5	2.367	3.246	9.7	21.3
10 28	3 40.34	+15 19.3	2.290	3.232	6.6	21.0
11 7	3 32.81	+15 2.7	2.239	3.218	3.2	20.8
11 17	3 24.48	+14 45.6	2.218	3.204	1.4	20.6
11 27	3 16.19	+14 30.7	2.226	3.190	4.5	20.9
12 7	3 8.78	+14 20.6	2.264	3.176	7.9	21.0
12 17	3 2.93	+14 17.4	2.327	3.162	11.0	21.2

214690 2006 SJ_{262} 11 15.9 159°.51 2°.1/14.4 18

10 8	3 51.85	+15 0.8	2.263	3.058	13.2	21.1
10 18	3 47.40	+14 16.9	2.182	3.063	10.3	20.9
10 28	3 40.94	+13 27.8	2.123	3.067	7.0	20.7
11 7	3 33.04	+12 36.3	2.092	3.070	3.6	20.5
11 17	3 24.46	+11 46.3	2.090	3.073	2.3	20.4
11 27	3 16.11	+11 1.9	2.118	3.076	5.3	20.6
12 7	3 8.83	+10 26.9	2.175	3.079	8.7	20.8
12 17	3 3.27	+10 3.7	2.257	3.081	11.7	21.0

172660 2003 YE_{94} 11 15.9 289°.77 1°.2/15.4 18

10 8	3 52.70	+16 41.0	1.838	2.642	15.5	20.5
10 18	3 48.87	+16 30.4	1.743	2.629	12.2	20.2
10 28	3 42.43	+16 14.1	1.670	2.615	8.4	20.0
11 7	3 33.95	+15 53.7	1.622	2.602	4.1	19.7
11 17	3 24.34	+15 31.5	1.601	2.589	1.4	19.5
11 27	3 14.78	+15 11.3	1.609	2.575	5.6	19.7
12 7	3 6.45	+14 57.0	1.644	2.562	10.0	20.0
12 17	3 0.27	+14 51.8	1.703	2.549	13.9	20.2

225013 2007 EQ_{188} 11 15.9 77°.79 0°.6/16.3 18

10 8	3 51.86	+22 11.9	2.155	2.941	14.1	21.1
10 18	3 47.60	+21 58.8	2.078	2.951	11.1	20.9
10 28	3 41.16	+21 36.8	2.023	2.961	7.6	20.7
11 7	3 33.17	+21 6.8	1.994	2.971	3.8	20.5
11 17	3 24.45	+20 30.9	1.993	2.982	0.7	20.3
11 27	3 16.01	+19 52.6	2.023	2.992	4.3	20.6
12 7	3 8.76	+19 16.1	2.080	3.002	8.0	20.8
12 17	3 3.37	+18 45.4	2.164	3.012	11.2	21.1

15956 1998 BY_{24} 11 15.9 131°.01 0°.4/16.2 18

10 8	3 52.26	+21 33.2	2.081	2.870	14.4	18.5
10 18	3 48.09	+21 21.6	1.996	2.872	11.4	18.3
10 28	3 41.61	+21 1.2	1.933	2.873	7.9	18.1
11 7	3 33.44	+20 32.8	1.896	2.874	3.9	17.8
11 17	3 24.42	+19 58.5	1.887	2.875	0.6	17.6
11 27	3 15.61	+19 21.9	1.907	2.877	4.5	17.9
12 7	3 7.99	+18 47.2	1.956	2.878	8.4	18.1
12 17	3 2.31	+18 18.6	2.031	2.879	11.8	18.4

292956 2006 VF_{111} 11 15.9 51°.83 1°.3/16.6 18

10 8	3 54.31	+22 10.8	1.897	2.687	15.6	21.1
10 18	3 49.96	+22 25.7	1.818	2.692	12.4	20.9
10 28	3 43.02	+22 32.3	1.760	2.698	8.6	20.7
11 7	3 34.16	+22 30.3	1.727	2.703	4.5	20.4
11 17	3 24.33	+22 20.3	1.722	2.709	1.3	20.2
11 27	3 14.73	+22 5.0	1.745	2.715	4.8	20.5
12 7	3 6.49	+21 48.2	1.797	2.721	8.8	20.7
12 17	3 0.43	+21 34.2	1.873	2.727	12.4	21.0

94715 2001 XS_{61} 11 15.9 306°.47 2°.4/14.8 18

10 8	3 52.09	+15 9.0	1.510	2.331	17.5	19.4
10 18	3 48.93	+14 43.2	1.422	2.317	13.9	19.2
10 28	3 42.76	+14 11.0	1.354	2.303	9.5	18.9
11 7	3 34.20	+13 35.1	1.309	2.289	4.8	18.6
11 17	3 24.31	+12 59.9	1.290	2.276	2.7	18.4
11 27	3 14.51	+12 30.6	1.299	2.263	7.0	18.7
12 7	3 6.18	+12 12.4	1.332	2.250	11.8	18.9
12 17	3 0.37	+12 8.5	1.388	2.238	16.2	19.1

399535 2003 KR_{28} 11 15.9 90°.57 3°.8/13.3 18

10 8	3 52.57	+ 8 0.1	2.464	3.257	12.3	22.1
10 18	3 47.51	+ 7 13.8	2.409	3.286	9.7	21.9
10 28	3 40.74	+ 6 28.1	2.378	3.314	6.8	21.8
11 7	3 32.84	+ 5 46.7	2.375	3.342	4.4	21.7
11 17	3 24.51	+ 5 12.8	2.401	3.370	4.0	21.7
11 27	3 16.54	+ 4 49.6	2.458	3.397	6.0	21.9
12 7	3 9.62	+ 4 38.6	2.542	3.423	8.6	22.1
12 17	3 4.25	+ 4 40.4	2.652	3.449	10.9	22.3

511710 2015 CO_{45} 11 15.9 269°.81 2°.2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.13	+15 34.1	1.443	2.261	18.3	22.3
10 18	3 51.43	+15 10.3	1.359	2.252	14.5	22.0
10 28	3 44.52	+14 39.4	1.294	2.243	10.0	21.8
11 7	3 35.07	+14 4.5	1.253	2.233	5.0	21.5
11 17	3 24.22	+13 29.5	1.238	2.224	2.5	21.3
11 27	3 13.52	+13 0.0	1.250	2.215	7.1	21.5
12 7	3 4.45	+12 41.1	1.287	2.205	12.1	21.8
12 17	2 58.11	+12 36.6	1.346	2.196	16.6	22.0

403914 2011 YR_{59} 11 15.9 264°.17 6°.2/12.3 18

10 8	3 51.45	+ 2 6.6	2.128	2.928	13.8	21.3
10 18	3 47.27	+ 1 20.9	2.046	2.921	11.2	21.1
10 28	3 40.97	+ 0 39.1	1.986	2.913	8.5	20.9
11 7	3 33.12	+ 0 6.3	1.952	2.906	6.5	20.8
11 17	3 24.48	− 0 13.1	1.946	2.898	6.5	20.7
11 27	3 15.97	− 0 15.6	1.968	2.890	8.4	20.9
12 7	3 8.52	+ 0 0.0	2.015	2.882	11.1	21.0
12 17	3 2.80	+ 0 33.3	2.086	2.875	13.8	21.2

4274 Karamanov 11 15.9 19°.76 4°.7/17.8 18

10 8	3 53.46	+27 10.9	1.280	2.089	20.6	16.0
10 18	3 50.60	+28 5.0	1.219	2.099	16.8	15.7
10 28	3 44.13	+28 45.0	1.176	2.110	12.3	15.5
11 7	3 34.88	+29 7.0	1.155	2.123	7.7	15.3
11 17	3 24.26	+29 9.6	1.157	2.137	4.7	15.2
11 27	3 14.08	+28 55.0	1.185	2.153	6.9	15.3
12 7	3 5.97	+28 30.1	1.237	2.169	11.2	15.6
12 17	3 0.99	+28 2.3	1.311	2.187	15.3	15.9

514839 2008 CN_{159} 11 15.9 332°.48 5°.4/13.9 18

10 8	3 50.47	+10 2.8	1.151	1.997	20.2	20.9
10 18	3 48.39	+ 9 23.7	1.076	1.984	16.2	20.6
10 28	3 42.79	+ 8 42.0	1.020	1.972	11.5	20.3
11 7	3 34.35	+ 8 4.2	0.984	1.961	6.9	20.0
11 17	3 24.32	+ 7 36.9	0.972	1.951	5.8	19.9
11 27	3 14.45	+ 7 26.9	0.983	1.941	9.8	20.1
12 7	3 6.40	+ 7 38.1	1.016	1.933	14.8	20.4
12 17	3 1.38	+ 8 11.0	1.070	1.926	19.5	20.7

166315 2002 JS_{51} 11 15.9 105°.41 0°.2/16.0 18

10 8	3 55.61	+20 58.4	1.959	2.746	15.2	20.8
10 18	3 50.65	+20 41.6	1.889	2.763	12.0	20.6
10 28	3 43.27	+20 15.9	1.840	2.780	8.2	20.4
11 7	3 34.19	+19 42.5	1.818	2.796	4.0	20.2
11 17	3 24.37	+19 4.0	1.824	2.812	0.5	19.9
11 27	3 14.93	+18 24.5	1.859	2.828	4.7	20.3
12 7	3 6.89	+17 48.5	1.923	2.843	8.7	20.6
12 17	3 0.96	+17 19.9	2.013	2.858	12.1	20.8

99749 2002 JF_{79} 11 15.9 141°.87 2°.0/16.9 18

10 8	3 56.35	+24 10.8	1.868	2.650	16.1	19.9
10 18	3 51.68	+24 26.2	1.785	2.654	12.9	19.7
10 28	3 44.28	+24 31.6	1.723	2.657	9.1	19.5
11 7	3 34.81	+24 26.1	1.686	2.660	5.0	19.3
11 17	3 24.28	+24 10.0	1.677	2.663	2.0	19.1
11 27	3 13.98	+23 46.1	1.697	2.666	5.0	19.3
12 7	3 5.11	+23 19.1	1.745	2.669	9.1	19.5
12 17	2 58.55	+22 53.9	1.818	2.671	12.7	19.8

398034 2009 DH_{128} 11 15.9 216°.56 2°.7/14.2 18

10 8	3 52.04	+13 36.8	2.049	2.851	14.2	22.5
10 18	3 47.87	+12 53.3	1.963	2.847	11.1	22.3
10 28	3 41.45	+12 5.0	1.899	2.843	7.6	22.1
11 7	3 33.37	+11 15.1	1.862	2.839	4.1	21.9
11 17	3 24.47	+10 27.9	1.853	2.835	3.0	21.8
11 27	3 15.74	+ 9 48.0	1.874	2.830	6.1	22.0
12 7	3 8.15	+ 9 19.2	1.922	2.825	9.7	22.2
12 17	3 2.44	+ 9 4.0	1.994	2.820	13.0	22.4

182789 2002 AJ_{17} 11 15.9 19°.68 24°.7/ 9.2 18

10 8	3 57.03	−26 50.1	0.991	1.766	27.6	19.1
10 18	3 53.67	−29 3.1	0.969	1.769	26.2	19.1
10 28	3 46.18	−30 32.6	0.958	1.773	25.2	19.0
11 7	3 35.77	−31 3.5	0.960	1.778	24.7	19.0
11 17	3 24.21	−30 27.0	0.975	1.784	24.9	19.1
11 27	3 13.56	−28 43.1	1.003	1.790	25.7	19.1
12 7	3 5.49	−26 1.8	1.045	1.797	26.8	19.3
12 17	3 0.91	−22 37.6	1.099	1.806	28.1	19.4

488193 2015 XY_{187} 11 15.9 177°.42 3°.3/13.4 18

10 8	3 49.89	+ 9 45.3	2.563	3.359	11.8	21.9
10 18	3 45.63	+ 9 0.7	2.481	3.360	9.3	21.7
10 28	3 39.65	+ 8 14.6	2.422	3.361	6.5	21.5
11 7	3 32.42	+ 7 30.4	2.391	3.362	4.0	21.4
11 17	3 24.59	+ 6 51.6	2.389	3.362	3.6	21.4
11 27	3 16.94	+ 6 21.6	2.417	3.362	5.7	21.5
12 7	3 10.17	+ 6 2.8	2.474	3.362	8.5	21.7
12 17	3 4.86	+ 5 56.5	2.556	3.361	11.1	21.9

244152 2001 WG_{56} 11 15.9 308°.41 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.02	+22 10.2	1.480	2.290	18.3	20.6
10 18	3 50.00	+22 17.5	1.387	2.274	14.7	20.3
10 28	3 43.72	+22 14.1	1.314	2.258	10.4	20.0
11 7	3 34.78	+21 59.6	1.263	2.242	5.4	19.7
11 17	3 24.29	+21 34.8	1.238	2.226	1.3	19.4
11 27	3 13.80	+21 3.6	1.240	2.211	6.0	19.7
12 7	3 4.87	+20 32.0	1.267	2.197	11.2	19.9
12 17	2 58.69	+20 6.1	1.317	2.182	15.9	20.2

237336 2009 WC_{25} 11 15.9 308°.91 11°.8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.89	−13 15.3	2.128	2.903	14.6	20.3
10 18	3 44.65	−15 2.4	2.054	2.880	13.1	20.1
10 28	3 39.32	−16 37.5	2.001	2.857	12.1	20.0
11 7	3 32.39	−17 52.2	1.971	2.835	11.8	20.0
11 17	3 24.60	−18 39.3	1.964	2.813	12.4	20.0
11 27	3 16.88	−18 54.3	1.980	2.791	13.7	20.0
12 7	3 10.14	−18 36.6	2.016	2.769	15.5	20.1
12 17	3 5.10	−17 48.7	2.070	2.747	17.2	20.2

180472 2004 CN_{46} 11 15.9 114°.39 2°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 0.31	+26 18.9	1.769	2.542	17.2	21.1
10 18	3 54.79	+26 33.9	1.698	2.559	13.8	20.9
10 28	3 46.35	+26 36.5	1.648	2.576	9.8	20.7
11 7	3 35.77	+26 25.1	1.622	2.592	5.6	20.5
11 17	3 24.21	+26 0.2	1.624	2.608	2.7	20.3
11 27	3 13.09	+25 25.2	1.656	2.624	5.3	20.5
12 7	3 3.67	+24 46.0	1.715	2.638	9.3	20.8
12 17	2 56.82	+24 8.7	1.799	2.652	12.9	21.1

518062 2015 XH_{294} 11 15.9 5°.77 2°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.97	+12 34.9	1.948	2.752	14.7	20.7
10 18	3 48.73	+12 36.7	1.867	2.752	11.6	20.5
10 28	3 42.12	+12 37.4	1.808	2.753	7.9	20.2
11 7	3 33.74	+12 38.8	1.775	2.753	4.1	20.0
11 17	3 24.46	+12 42.8	1.770	2.755	2.3	19.9
11 27	3 15.35	+12 51.6	1.794	2.756	5.6	20.1
12 7	3 7.45	+13 7.1	1.845	2.758	9.4	20.4
12 17	3 1.53	+13 30.6	1.921	2.760	12.8	20.6

227954 2007 GZ_{65} 11 15.9 167°.34 0°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.90	+17 3.2	2.922	3.691	11.2	20.5
10 18	3 50.18	+17 22.0	2.830	3.695	8.8	20.3
10 28	3 42.69	+17 38.0	2.763	3.699	6.0	20.1
11 7	3 33.90	+17 51.4	2.724	3.702	2.9	19.9
11 17	3 24.45	+18 2.5	2.716	3.705	0.4	19.7
11 27	3 15.09	+18 12.5	2.741	3.707	3.6	20.0
12 7	3 6.58	+18 22.8	2.797	3.709	6.6	20.2
12 17	2 59.51	+18 35.2	2.881	3.711	9.3	20.4

392158 2009 HV_{93} 11 15.9 342°.99 10°.9/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.44	+15 58.2	0.858	1.723	23.7	19.9
10 18	3 48.23	+11 23.4	0.796	1.717	18.7	19.5
10 28	3 42.86	+ 6 11.3	0.756	1.712	13.6	19.2
11 7	3 34.36	+ 0 49.5	0.740	1.708	10.9	19.1
11 17	3 24.40	− 4 5.4	0.750	1.704	13.2	19.2
11 27	3 15.08	− 8 1.4	0.784	1.701	18.1	19.5
12 7	3 8.17	−10 43.9	0.837	1.700	23.0	19.8
12 17	3 4.71	−12 14.9	0.905	1.699	27.1	20.1

46733 1997 TA_{20} 11 15.9 140°.83 0°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.22	+19 0.8	2.727	3.509	11.5	20.2
10 18	3 45.83	+18 35.5	2.643	3.516	9.0	20.0
10 28	3 39.75	+18 4.3	2.583	3.523	6.1	19.9
11 7	3 32.47	+17 28.6	2.551	3.530	2.9	19.7
11 17	3 24.64	+16 50.7	2.549	3.537	0.7	19.5
11 27	3 16.99	+16 13.5	2.577	3.543	3.8	19.8
12 7	3 10.24	+15 40.3	2.635	3.549	6.9	20.0
12 17	3 4.93	+15 13.6	2.720	3.554	9.6	20.2

199636 2006 GU_{5} 11 15.9 130°.61 2°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.96	+11 59.1	2.696	3.488	11.4	20.4
10 18	3 45.58	+11 28.9	2.618	3.496	8.9	20.2
10 28	3 39.56	+10 56.8	2.564	3.505	6.1	20.0
11 7	3 32.37	+10 25.2	2.537	3.513	3.4	19.9
11 17	3 24.66	+ 9 56.9	2.541	3.521	2.5	19.8
11 27	3 17.14	+ 9 34.5	2.575	3.528	4.8	20.0
12 7	3 10.48	+ 9 20.3	2.637	3.536	7.6	20.2
12 17	3 5.23	+ 9 15.6	2.726	3.543	10.1	20.4

333338 2001 SC_{7} 11 15.9 76°.56 0°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.98	+21 51.9	1.514	2.313	18.4	21.4
10 18	3 53.18	+21 47.3	1.453	2.334	14.5	21.2
10 28	3 45.32	+21 31.7	1.413	2.355	10.0	21.0
11 7	3 35.28	+21 5.9	1.397	2.375	5.0	20.7
11 17	3 24.32	+20 32.2	1.407	2.395	0.8	20.5
11 27	3 13.93	+19 55.4	1.445	2.416	5.5	20.9
12 7	3 5.39	+19 21.4	1.510	2.436	10.1	21.2
12 17	2 59.53	+18 55.0	1.599	2.455	14.1	21.5

205390 2001 DS_{13} 11 15.9 202°.46 8°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.17	− 4 38.9	2.178	2.966	13.9	20.1
10 18	3 47.73	− 6 1.3	2.107	2.962	11.8	20.0
10 28	3 41.24	− 7 16.1	2.059	2.959	9.8	19.9
11 7	3 33.26	− 8 16.6	2.036	2.955	8.7	19.8
11 17	3 24.55	− 8 57.0	2.040	2.950	9.0	19.8
11 27	3 16.05	− 9 13.3	2.070	2.945	10.6	19.9
12 7	3 8.59	− 9 4.7	2.124	2.940	12.7	20.0
12 17	3 2.86	− 8 33.0	2.200	2.934	14.8	20.2

29283 1993 FD_{40} 11 15.9 188°.21 3°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.12	+12 52.8	1.699	2.510	16.3	19.9
10 18	3 49.93	+11 59.4	1.621	2.509	12.8	19.7
10 28	3 43.08	+11 0.7	1.564	2.509	8.9	19.5
11 7	3 34.25	+10 1.0	1.532	2.508	5.0	19.2
11 17	3 24.45	+ 9 5.9	1.528	2.507	3.9	19.2
11 27	3 14.91	+ 8 21.5	1.551	2.506	7.3	19.4
12 7	3 6.80	+ 7 52.1	1.602	2.504	11.3	19.6
12 17	3 0.94	+ 7 40.1	1.675	2.502	15.0	19.8

7836 1993 TG 11 15.9 192°.43 2°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.90	+13 58.9	2.800	3.589	11.1	18.1
10 18	3 45.55	+13 17.2	2.710	3.587	8.7	17.9
10 28	3 39.56	+12 31.6	2.644	3.585	5.9	17.8
11 7	3 32.40	+11 44.6	2.605	3.582	3.1	17.6
11 17	3 24.67	+10 59.2	2.598	3.579	2.2	17.5
11 27	3 17.08	+10 18.7	2.621	3.576	4.6	17.7
12 7	3 10.31	+ 9 46.2	2.673	3.572	7.5	17.8
12 17	3 4.90	+ 9 23.6	2.752	3.568	10.1	18.0

48566 1994 CH_{9} 11 15.9 158°.28 0°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.75	+19 43.2	2.844	3.621	11.2	19.8
10 18	3 46.23	+19 31.9	2.756	3.625	8.8	19.6
10 28	3 40.03	+19 15.0	2.692	3.630	6.0	19.4
11 7	3 32.63	+18 53.5	2.655	3.634	2.9	19.2
11 17	3 24.65	+18 28.7	2.649	3.638	0.4	19.0
11 27	3 16.83	+18 3.3	2.674	3.641	3.6	19.3
12 7	3 9.85	+17 39.9	2.728	3.644	6.6	19.5
12 17	3 4.27	+17 21.1	2.810	3.647	9.3	19.7

520668 2014 QC_{449} 11 15.9 81°.88 4°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.34	+ 7 43.1	2.317	3.119	12.7	21.7
10 18	3 45.35	+ 6 51.2	2.245	3.127	10.0	21.6
10 28	3 39.53	+ 5 59.3	2.197	3.135	7.2	21.4
11 7	3 32.41	+ 5 11.5	2.176	3.143	4.8	21.3
11 17	3 24.70	+ 4 31.9	2.184	3.151	4.5	21.3
11 27	3 17.22	+ 4 4.1	2.220	3.159	6.6	21.4
12 7	3 10.74	+ 3 50.4	2.284	3.166	9.3	21.6
12 17	3 5.82	+ 3 51.4	2.372	3.174	11.9	21.8

103404 2000 AJ_{134} 11 15.9 292°.37 4°.4/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.81	+ 7 38.7	1.780	2.588	15.8	19.4
10 18	3 50.54	+ 7 26.4	1.690	2.575	12.6	19.1
10 28	3 43.60	+ 7 16.3	1.622	2.562	9.0	18.9
11 7	3 34.59	+ 7 11.7	1.578	2.550	5.5	18.7
11 17	3 24.43	+ 7 16.2	1.562	2.538	4.6	18.6
11 27	3 14.33	+ 7 32.4	1.573	2.525	7.5	18.7
12 7	3 5.48	+ 8 1.9	1.612	2.513	11.3	18.9
12 17	2 58.81	+ 8 44.6	1.674	2.501	15.0	19.1

408341 2013 GR_{79} 11 15.9 96°.56 3°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.36	+ 9 55.6	2.176	2.980	13.4	21.0
10 18	3 46.28	+ 9 1.2	2.104	2.988	10.5	20.9
10 28	3 40.22	+ 8 5.0	2.055	2.996	7.4	20.7
11 7	3 32.76	+ 7 11.3	2.033	3.004	4.6	20.5
11 17	3 24.67	+ 6 24.4	2.040	3.012	4.1	20.5
11 27	3 16.83	+ 5 48.5	2.075	3.020	6.5	20.7
12 7	3 10.07	+ 5 26.5	2.138	3.028	9.5	20.9
12 17	3 5.01	+ 5 19.5	2.225	3.035	12.3	21.1

421861 2014 QC_{143} 11 15.9 22°.90 3°.0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.95	+12 12.5	1.873	2.686	14.9	21.0
10 18	3 46.37	+11 42.9	1.802	2.692	11.7	20.8
10 28	3 40.49	+11 10.8	1.752	2.698	8.0	20.6
11 7	3 32.96	+10 39.6	1.728	2.705	4.4	20.4
11 17	3 24.65	+10 12.8	1.731	2.712	3.2	20.4
11 27	3 16.61	+ 9 54.4	1.762	2.720	6.2	20.6
12 7	3 9.80	+ 9 47.1	1.820	2.728	9.8	20.8
12 17	3 4.93	+ 9 52.5	1.902	2.737	13.1	21.0

402175 2004 TG_{4} 11 15.9 60°.77 0°.3/16.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.64	+20 42.8	1.968	2.759	15.0	22.0
10 18	3 49.10	+20 37.7	1.904	2.780	11.8	21.8
10 28	3 42.24	+20 24.7	1.861	2.802	8.0	21.7
11 7	3 33.75	+20 4.8	1.845	2.823	3.9	21.4
11 17	3 24.57	+19 39.9	1.856	2.845	0.5	21.2
11 27	3 15.77	+19 13.4	1.897	2.867	4.5	21.6
12 7	3 8.33	+18 49.2	1.966	2.888	8.4	21.9
12 17	3 2.91	+18 30.9	2.061	2.910	11.7	22.1

63859 2001 RR_{93} 11 15.9 326°.95 5°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.64	+11 28.6	1.343	2.179	18.4	19.0
10 18	3 47.24	+10 28.7	1.264	2.167	14.6	18.7
10 28	3 41.73	+ 9 22.8	1.204	2.155	10.3	18.4
11 7	3 33.80	+ 8 17.2	1.168	2.144	6.2	18.2
11 17	3 24.54	+ 7 19.5	1.156	2.133	5.4	18.1
11 27	3 15.46	+ 6 37.3	1.169	2.123	9.1	18.3
12 7	3 7.96	+ 6 16.1	1.206	2.114	13.7	18.5
12 17	3 3.09	+ 6 17.8	1.263	2.106	17.9	18.8

410637 2008 RU_{67} 11 15.9 105°.28 3°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.01	+31 7.2	2.815	3.549	12.3	21.3
10 18	3 50.45	+31 32.2	2.740	3.571	10.1	21.2
10 28	3 42.94	+31 46.5	2.687	3.592	7.5	21.1
11 7	3 34.05	+31 48.7	2.660	3.614	5.0	20.9
11 17	3 24.54	+31 38.6	2.663	3.634	3.4	20.9
11 27	3 15.27	+31 17.8	2.697	3.655	4.3	21.0
12 7	3 7.06	+30 49.6	2.760	3.674	6.6	21.1
12 17	3 0.54	+30 18.1	2.851	3.694	9.0	21.3

630 Euphemia 11 15.9 275°.48 6°.8/12.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.80	+ 1 51.5	1.860	2.664	15.3	15.4
10 18	3 49.53	+ 1 11.0	1.775	2.652	12.5	15.2
10 28	3 42.79	+ 0 35.4	1.712	2.640	9.6	15.0
11 7	3 34.16	+ 0 10.3	1.673	2.628	7.2	14.8
11 17	3 24.52	+ 0 0.6	1.662	2.616	7.1	14.8
11 27	3 14.99	+ 0 10.1	1.677	2.604	9.3	14.9
12 7	3 6.66	+ 0 39.7	1.718	2.592	12.4	15.1
12 17	3 0.36	+ 1 28.2	1.782	2.580	15.4	15.3

351410 2005 FO_{14} 11 15.9 263°.24 0°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.43	+18 45.5	1.919	2.708	15.5	20.7
10 18	3 52.64	+19 11.6	1.821	2.696	12.3	20.5
10 28	3 45.10	+19 33.5	1.745	2.685	8.6	20.2
11 7	3 35.37	+19 50.6	1.694	2.673	4.3	20.0
11 17	3 24.37	+20 2.8	1.672	2.661	0.6	19.7
11 27	3 13.35	+20 11.4	1.680	2.649	5.1	20.0
12 7	3 3.56	+20 19.2	1.715	2.636	9.4	20.2
12 17	2 55.99	+20 29.2	1.776	2.624	13.3	20.4

482606 2013 AQ_{5} 11 15.9 30°.14 5°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.41	+35 39.8	1.260	2.047	22.1	20.0
10 18	3 49.85	+35 28.9	1.201	2.062	18.4	19.8
10 28	3 43.55	+34 50.0	1.160	2.079	14.0	19.6
11 7	3 34.57	+33 41.0	1.138	2.096	9.4	19.4
11 17	3 24.49	+32 4.6	1.140	2.115	6.1	19.3
11 27	3 15.19	+30 9.8	1.168	2.135	7.2	19.4
12 7	3 8.18	+28 9.8	1.221	2.155	11.0	19.7
12 17	3 4.32	+26 17.2	1.297	2.177	15.1	20.0

314243 2005 QZ_{57} 11 15.9 351°.14 6°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.38	+ 6 26.5	1.719	2.542	15.6	20.7
10 18	3 45.36	+ 5 6.2	1.647	2.539	12.5	20.4
10 28	3 39.94	+ 3 45.2	1.596	2.536	9.2	20.3
11 7	3 32.75	+ 2 30.4	1.570	2.533	6.7	20.1
11 17	3 24.70	+ 1 28.8	1.571	2.531	6.8	20.1
11 27	3 16.88	+ 0 46.7	1.598	2.530	9.3	20.2
12 7	3 10.33	+ 0 27.2	1.650	2.529	12.5	20.4
12 17	3 5.79	+ 0 30.6	1.723	2.528	15.6	20.6

490927 2011 CK_{59} 11 15.9 294°.93 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.37	+18 25.1	1.432	2.250	18.4	21.9
10 18	3 50.27	+18 5.8	1.342	2.235	14.7	21.6
10 28	3 43.91	+17 36.6	1.271	2.219	10.1	21.3
11 7	3 34.93	+16 59.3	1.223	2.204	4.9	21.0
11 17	3 24.43	+16 17.4	1.201	2.189	1.3	20.7
11 27	3 13.98	+15 36.7	1.205	2.174	6.7	21.0
12 7	3 5.11	+15 3.5	1.235	2.159	12.0	21.3
12 17	2 58.99	+14 43.0	1.286	2.144	16.7	21.5

229764 2008 FE_{88} 11 15.9 140°.54 2°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 59.39	+23 51.4	1.691	2.475	17.4	20.9
10 18	3 54.39	+24 13.0	1.612	2.482	14.0	20.7
10 28	3 46.32	+24 24.6	1.554	2.488	9.9	20.5
11 7	3 35.92	+24 24.5	1.520	2.494	5.4	20.2
11 17	3 24.34	+24 12.8	1.513	2.499	2.1	20.0
11 27	3 13.03	+23 52.2	1.535	2.504	5.4	20.3
12 7	3 3.36	+23 27.9	1.585	2.509	9.8	20.5
12 17	2 56.31	+23 5.2	1.659	2.513	13.7	20.8

48697 1996 HX_{14} 11 15.9 219°.76 0°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.23	+20 0.9	1.944	2.736	15.2	19.2
10 18	3 49.89	+20 2.6	1.858	2.735	12.0	19.0
10 28	3 43.03	+19 57.1	1.794	2.734	8.3	18.7
11 7	3 34.28	+19 44.8	1.755	2.733	4.1	18.5
11 17	3 24.53	+19 27.2	1.744	2.732	0.5	18.2
11 27	3 14.96	+19 7.4	1.762	2.731	4.8	18.5
12 7	3 6.66	+18 49.1	1.808	2.730	9.0	18.8
12 17	3 0.45	+18 36.0	1.879	2.728	12.6	19.0

416401 2003 UP_{119} 11 15.9 31°.28 0°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.43	+20 14.0	2.035	2.834	14.4	21.0
10 18	3 45.86	+19 36.6	1.958	2.840	11.3	20.8
10 28	3 40.10	+18 49.9	1.903	2.846	7.6	20.6
11 7	3 32.77	+17 56.3	1.873	2.853	3.6	20.4
11 17	3 24.72	+16 59.3	1.872	2.860	0.8	20.2
11 27	3 16.94	+16 3.9	1.900	2.867	4.8	20.5
12 7	3 10.35	+15 14.9	1.956	2.875	8.6	20.7
12 17	3 5.62	+14 36.1	2.037	2.883	11.9	21.0

163953 2003 UC_{36} 11 15.9 306°.27 9°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 58.98	+39 37.5	1.781	2.509	18.6	19.4
10 18	3 54.98	+40 55.1	1.691	2.501	16.2	19.2
10 28	3 47.36	+41 55.7	1.618	2.493	13.5	19.0
11 7	3 36.70	+42 32.3	1.566	2.485	10.9	18.8
11 17	3 24.23	+42 39.2	1.539	2.477	9.2	18.7
11 27	3 11.72	+42 15.7	1.537	2.469	9.6	18.7
12 7	3 0.96	+41 27.1	1.561	2.461	11.7	18.8
12 17	2 53.30	+40 22.5	1.607	2.454	14.5	19.0

411095 2009 WA_{26} 11 15.9 344°.17 1°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.72	+17 38.9	2.088	2.891	13.9	20.8
10 18	3 45.30	+16 55.1	2.002	2.888	10.9	20.6
10 28	3 39.74	+16 3.5	1.939	2.884	7.4	20.4
11 7	3 32.62	+15 6.9	1.902	2.882	3.6	20.1
11 17	3 24.74	+14 9.2	1.893	2.879	1.7	20.0
11 27	3 17.04	+13 15.3	1.913	2.877	5.2	20.2
12 7	3 10.44	+12 29.8	1.962	2.875	8.9	20.5
12 17	3 5.62	+11 56.3	2.035	2.873	12.2	20.7

237181 2008 UX_{184} 11 15.9 113°.36 0°.3/16.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.74	+21 20.2	1.866	2.656	15.8	21.3
10 18	3 50.99	+21 5.9	1.792	2.668	12.5	21.1
10 28	3 43.69	+20 42.1	1.740	2.680	8.6	20.9
11 7	3 34.53	+20 9.8	1.713	2.691	4.2	20.7
11 17	3 24.52	+19 31.5	1.714	2.702	0.5	20.4
11 27	3 14.87	+18 51.4	1.744	2.713	4.9	20.8
12 7	3 6.66	+18 14.4	1.802	2.724	9.0	21.1
12 17	3 0.65	+17 44.9	1.886	2.734	12.6	21.3

165515 2001 CH_{11} 11 15.9 320°.65 4°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 53.37	+29 11.0	1.543	2.332	18.6	20.2
10 18	3 50.40	+29 45.3	1.451	2.318	15.4	20.0
10 28	3 44.10	+30 5.3	1.378	2.305	11.5	19.7
11 7	3 35.07	+30 7.6	1.327	2.292	7.4	19.5
11 17	3 24.43	+29 50.4	1.301	2.280	4.7	19.3
11 27	3 13.81	+29 15.8	1.302	2.268	6.6	19.4
12 7	3 4.83	+28 30.1	1.327	2.257	10.8	19.6
12 17	2 58.68	+27 41.5	1.376	2.246	15.0	19.8

344652 2003 RA_{22} 11 15.9 80°.53 0°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.31	+22 18.7	1.721	2.515	16.8	20.3
10 18	3 50.69	+21 40.0	1.657	2.536	13.2	20.1
10 28	3 43.44	+20 49.3	1.615	2.556	9.0	19.9
11 7	3 34.37	+19 48.9	1.598	2.577	4.3	19.7
11 17	3 24.56	+18 43.0	1.608	2.597	0.5	19.4
11 27	3 15.27	+17 37.5	1.648	2.617	5.2	19.8
12 7	3 7.58	+16 38.9	1.716	2.637	9.4	20.1
12 17	3 2.21	+15 51.9	1.808	2.656	13.1	20.4

172135 2002 JK_{48} 11 15.9 245°.21 0°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.92	+22 42.9	1.575	2.374	17.9	20.5
10 18	3 51.98	+22 24.3	1.484	2.364	14.3	20.2
10 28	3 44.90	+21 52.5	1.413	2.355	10.0	20.0
11 7	3 35.34	+21 8.0	1.367	2.345	5.0	19.7
11 17	3 24.43	+20 13.2	1.346	2.335	0.8	19.3
11 27	3 13.67	+19 14.0	1.354	2.324	5.8	19.7
12 7	3 4.51	+18 17.5	1.388	2.313	10.8	19.9
12 17	2 58.00	+17 30.6	1.446	2.302	15.3	20.2

270791 2002 RB_{225} 11 15.9 102°.45 0°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.94	+21 13.6	2.552	3.331	12.3	21.1
10 18	3 46.53	+20 52.7	2.474	3.344	9.7	20.9
10 28	3 40.31	+20 24.4	2.419	3.357	6.6	20.7
11 7	3 32.81	+19 49.9	2.392	3.370	3.2	20.6
11 17	3 24.74	+19 11.4	2.394	3.382	0.4	20.3
11 27	3 16.92	+18 32.0	2.427	3.395	3.8	20.6
12 7	3 10.09	+17 55.3	2.489	3.407	7.0	20.9
12 17	3 4.82	+17 24.3	2.578	3.419	9.9	21.1

172257 2002 SD_{16} 11 15.9 5°.98 9°.1/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.14	+39 19.2	1.292	2.067	22.2	19.1
10 18	3 47.85	+40 2.3	1.223	2.067	19.1	18.9
10 28	3 42.64	+40 18.3	1.169	2.069	15.6	18.7
11 7	3 34.38	+40 1.3	1.135	2.073	12.0	18.5
11 17	3 24.55	+39 8.9	1.122	2.078	9.5	18.4
11 27	3 15.18	+37 45.1	1.132	2.085	9.6	18.4
12 7	3 8.04	+36 0.9	1.166	2.093	12.2	18.6
12 17	3 4.27	+34 10.1	1.222	2.103	15.7	18.8

494628 2017 CU_{12} 11 15.9 238°.01 4°.5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.63	+33 46.2	2.562	3.296	13.4	21.6
10 18	3 49.13	+34 12.2	2.464	3.291	11.2	21.4
10 28	3 42.39	+34 25.8	2.388	3.287	8.7	21.3
11 7	3 33.95	+34 24.7	2.336	3.282	6.1	21.1
11 17	3 24.60	+34 8.0	2.313	3.277	4.5	21.0
11 27	3 15.35	+33 37.1	2.318	3.272	5.3	21.0
12 7	3 7.17	+32 55.9	2.352	3.267	7.6	21.2
12 17	3 0.82	+32 9.4	2.413	3.262	10.2	21.3

23268 2000 YD_{55} 11 15.9 70°.02 4°.7/14.3 18

10 8	3 59.01	+ 9 39.7	1.315	2.136	19.6	17.1
10 18	3 54.08	+ 9 7.7	1.267	2.159	15.4	16.9
10 28	3 45.96	+ 8 36.0	1.237	2.182	10.7	16.7
11 7	3 35.63	+ 8 9.5	1.231	2.206	6.2	16.6
11 17	3 24.44	+ 7 52.9	1.251	2.229	4.9	16.5
11 27	3 13.94	+ 7 50.3	1.297	2.252	8.3	16.8
12 7	3 5.44	+ 8 3.4	1.368	2.275	12.5	17.1
12 17	2 59.76	+ 8 32.0	1.461	2.297	16.3	17.4

322201 2010 XY_{83} 11 15.9 183°.38 0°.4/15.7 18

10 8	3 50.77	+20 35.4	2.482	3.265	12.5	20.8
10 18	3 46.53	+19 56.9	2.392	3.265	9.8	20.6
10 28	3 40.39	+19 9.8	2.325	3.265	6.7	20.4
11 7	3 32.89	+18 16.2	2.286	3.265	3.2	20.2
11 17	3 24.74	+17 18.8	2.276	3.264	0.6	20.0
11 27	3 16.78	+16 21.8	2.297	3.264	4.2	20.2
12 7	3 9.81	+15 29.4	2.347	3.263	7.6	20.5
12 17	3 4.42	+14 45.4	2.425	3.261	10.6	20.7

49791 1999 XF_{31} 11 15.9 299°.58 3°.4/14.2 18

10 8	3 52.63	+14 32.9	1.454	2.277	17.9	19.3
10 18	3 49.34	+13 38.4	1.375	2.271	14.2	19.1
10 28	3 43.03	+12 35.7	1.316	2.265	9.7	18.8
11 7	3 34.40	+11 29.6	1.280	2.259	5.2	18.5
11 17	3 24.56	+10 26.4	1.271	2.254	3.8	18.4
11 27	3 14.97	+ 9 33.5	1.289	2.248	7.8	18.7
12 7	3 6.97	+ 8 56.9	1.331	2.243	12.4	18.9
12 17	3 1.52	+ 8 39.9	1.396	2.238	16.6	19.2

191631 2004 NN_{27} 11 15.9 44°.07 2°.2/17.2 18

10 8	3 54.02	+26 22.1	1.383	2.187	19.6	19.4
10 18	3 50.59	+26 9.1	1.319	2.200	15.7	19.2
10 28	3 43.86	+25 39.0	1.274	2.213	11.1	18.9
11 7	3 34.73	+24 52.1	1.252	2.227	6.0	18.7
11 17	3 24.54	+23 51.5	1.255	2.241	2.2	18.5
11 27	3 14.90	+22 43.7	1.285	2.256	5.8	18.8
12 7	3 7.19	+21 37.4	1.340	2.271	10.6	19.1
12 17	3 2.32	+20 40.0	1.419	2.287	14.8	19.4

441930 2010 JM_{37} 11 15.9 89°.41 1°.0/15.5 18

10 8	3 55.62	+17 12.5	1.895	2.691	15.4	21.9
10 18	3 50.73	+16 59.9	1.829	2.709	12.0	21.7
10 28	3 43.41	+16 41.5	1.784	2.727	8.1	21.5
11 7	3 34.37	+16 19.1	1.765	2.744	3.9	21.3
11 17	3 24.59	+15 55.1	1.774	2.762	1.2	21.1
11 27	3 15.19	+15 33.2	1.813	2.779	5.1	21.4
12 7	3 7.18	+15 16.8	1.879	2.796	9.0	21.7
12 17	3 1.29	+15 8.7	1.971	2.812	12.4	22.0

214075 2004 GP_{72} 11 15.9 107°.91 0°.2/15.9 18

10 8	3 55.47	+18 1.4	2.100	2.888	14.3	20.6
10 18	3 50.53	+18 9.5	2.022	2.897	11.3	20.4
10 28	3 43.29	+18 12.7	1.966	2.906	7.7	20.2
11 7	3 34.35	+18 11.6	1.936	2.915	3.7	20.0
11 17	3 24.59	+18 7.2	1.935	2.924	0.5	19.8
11 27	3 15.06	+18 1.9	1.964	2.932	4.6	20.1
12 7	3 6.74	+17 58.4	2.022	2.941	8.4	20.4
12 17	3 0.39	+17 59.5	2.106	2.949	11.7	20.6

357491 2004 LH_{9} 11 15.9 141°.64 5°.1/12.4 18

10 8	3 50.31	+ 7 17.9	2.061	2.869	13.9	21.2
10 18	3 46.43	+ 6 9.0	1.986	2.870	11.0	21.0
10 28	3 40.45	+ 4 59.5	1.934	2.871	8.0	20.8
11 7	3 32.97	+ 3 54.5	1.908	2.873	5.6	20.6
11 17	3 24.77	+ 2 59.5	1.910	2.874	5.5	20.6
11 27	3 16.80	+ 2 19.4	1.941	2.875	7.7	20.8
12 7	3 9.93	+ 1 57.0	1.998	2.876	10.7	21.0
12 17	3 4.82	+ 1 53.2	2.078	2.877	13.5	21.2

57981 2002 PF_{104} 11 15.9 206°.09 4°.4/12.9 18

10 8	3 51.66	+10 8.8	2.034	2.839	14.1	20.5
10 18	3 47.57	+ 8 57.9	1.952	2.837	11.2	20.3
10 28	3 41.28	+ 7 43.3	1.893	2.834	7.9	20.1
11 7	3 33.40	+ 6 30.1	1.861	2.831	5.1	19.9
11 17	3 24.72	+ 5 24.1	1.857	2.827	4.7	19.9
11 27	3 16.26	+ 4 30.8	1.882	2.823	7.3	20.1
12 7	3 8.92	+ 3 54.1	1.934	2.819	10.6	20.3
12 17	3 3.42	+ 3 35.8	2.010	2.815	13.7	20.4

161348 2003 SR_{103} 11 15.9 52°.35 3°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.04	+14 14.1	1.475	2.297	17.8	19.5
10 18	3 49.18	+13 14.2	1.422	2.317	13.9	19.3
10 28	3 42.54	+12 8.6	1.389	2.338	9.4	19.1
11 7	3 33.99	+11 2.5	1.380	2.359	5.0	18.9
11 17	3 24.67	+10 2.3	1.398	2.380	3.7	18.9
11 27	3 15.91	+ 9 14.3	1.444	2.402	7.3	19.1
12 7	3 8.84	+ 8 42.8	1.514	2.423	11.4	19.4
12 17	3 4.18	+ 8 29.5	1.608	2.445	15.0	19.7

43072 1999 VS_{177} 11 15.9 106°.62 3°.0/14.7 18

10 8	3 59.06	+12 24.8	1.595	2.400	17.4	19.0
10 18	3 53.81	+12 5.2	1.531	2.417	13.7	18.8
10 28	3 45.71	+11 43.4	1.488	2.432	9.3	18.6
11 7	3 35.55	+11 22.2	1.470	2.448	4.9	18.4
11 17	3 24.49	+11 5.3	1.480	2.463	3.2	18.3
11 27	3 13.90	+10 56.2	1.518	2.478	6.8	18.6
12 7	3 4.97	+10 57.9	1.582	2.492	11.0	18.9
12 17	2 58.55	+11 11.7	1.671	2.505	14.6	19.1

78973 2003 ST_{306} 11 15.9 114°.15 1°.4/17.1 18

10 8	3 55.16	+26 55.6	1.989	2.761	15.5	20.1
10 18	3 50.41	+26 15.3	1.911	2.774	12.4	19.9
10 28	3 43.20	+25 20.1	1.856	2.787	8.7	19.7
11 7	3 34.29	+24 11.1	1.826	2.799	4.6	19.4
11 17	3 24.64	+22 51.7	1.824	2.811	1.4	19.2
11 27	3 15.42	+21 27.9	1.853	2.823	4.6	19.5
12 7	3 7.63	+20 6.5	1.911	2.834	8.5	19.8
12 17	3 1.98	+18 53.8	1.996	2.845	12.0	20.0

13469 3424 $T\text{-}_{3}$ 11 15.9 83°.27 1°.4/15.2 18

10 8	3 53.24	+17 1.5	1.810	2.614	15.7	19.0
10 18	3 49.16	+16 37.3	1.732	2.617	12.3	18.8
10 28	3 42.55	+16 6.3	1.675	2.621	8.4	18.6
11 7	3 34.07	+15 31.0	1.644	2.624	4.1	18.3
11 17	3 24.67	+14 54.5	1.640	2.627	1.6	18.2
11 27	3 15.54	+14 21.3	1.665	2.631	5.6	18.5
12 7	3 7.76	+13 55.6	1.717	2.634	9.7	18.7
12 17	3 2.13	+13 40.8	1.794	2.637	13.4	19.0

279205 2009 UJ_{29} 11 15.9 346°.86 1°.2/15.4 18

10 8	3 50.49	+19 37.5	1.300	2.129	19.3	20.7
10 18	3 48.10	+18 57.9	1.224	2.123	15.3	20.4
10 28	3 42.42	+18 4.9	1.168	2.119	10.5	20.1
11 7	3 34.19	+17 1.7	1.133	2.115	5.0	19.8
11 17	3 24.66	+15 53.8	1.124	2.112	1.5	19.6
11 27	3 15.41	+14 49.2	1.140	2.109	6.9	19.9
12 7	3 7.94	+13 56.0	1.181	2.107	12.2	20.2
12 17	3 3.27	+13 19.6	1.243	2.106	16.8	20.5

3339 Treshnikov 11 15.9 174°.94 3°.8/13.5 18

10 8	3 52.03	+ 5 14.1	2.811	3.596	11.1	17.0
10 18	3 47.17	+ 4 55.9	2.728	3.598	8.9	16.9
10 28	3 40.69	+ 4 40.0	2.669	3.599	6.4	16.7
11 7	3 33.03	+ 4 29.3	2.637	3.601	4.3	16.6
11 17	3 24.80	+ 4 25.9	2.636	3.601	4.0	16.6
11 27	3 16.72	+ 4 31.8	2.665	3.602	5.7	16.7
12 7	3 9.44	+ 4 48.0	2.722	3.602	8.1	16.8
12 17	3 3.53	+ 5 14.6	2.806	3.602	10.5	17.0

304223 2006 QN_{161} 11 15.9 58°.66 2°.7/17.5 18

10 8	3 54.88	+26 31.7	1.764	2.547	16.8	20.7
10 18	3 50.65	+26 41.9	1.692	2.560	13.5	20.5
10 28	3 43.65	+26 39.4	1.641	2.572	9.7	20.3
11 7	3 34.61	+26 23.1	1.614	2.585	5.6	20.1
11 17	3 24.63	+25 54.1	1.614	2.599	2.7	19.9
11 27	3 15.00	+25 15.9	1.643	2.612	5.1	20.1
12 7	3 6.94	+24 34.2	1.698	2.625	9.1	20.4
12 17	3 1.26	+23 55.0	1.779	2.639	12.7	20.6

88900 2001 SC_{346} 11 15.9 339°.49 6°.6/12.9 18

10 8	3 48.59	+ 5 47.9	1.476	2.308	17.2	18.2
10 18	3 46.11	+ 4 58.7	1.397	2.294	13.9	17.9
10 28	3 40.83	+ 4 10.9	1.339	2.282	10.3	17.7
11 7	3 33.38	+ 3 31.2	1.303	2.270	7.2	17.5
11 17	3 24.75	+ 3 6.0	1.292	2.259	6.9	17.4
11 27	3 16.26	+ 3 0.6	1.307	2.250	9.7	17.6
12 7	3 9.17	+ 3 17.2	1.345	2.241	13.5	17.8
12 17	3 4.43	+ 3 55.5	1.404	2.234	17.2	18.0

50038 2000 AT_{54} 11 15.9 110°.77 2°.8/14.4 18 R

10 8	3 54.82	+11 53.5	2.038	2.835	14.4	19.0
10 18	3 49.91	+11 27.2	1.968	2.850	11.3	18.8
10 28	3 42.78	+10 59.0	1.922	2.864	7.7	18.7
11 7	3 34.09	+10 31.7	1.901	2.877	4.2	18.5
11 17	3 24.69	+10 8.5	1.910	2.891	3.0	18.4
11 27	3 15.62	+ 9 52.9	1.948	2.904	5.9	18.6
12 7	3 7.79	+ 9 47.2	2.013	2.916	9.3	18.9
12 17	3 1.88	+ 9 52.8	2.104	2.928	12.4	19.1

50440 2000 DD_{29} 11 15.9 87°.63 1°.8/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 54.98	+24 46.8	1.892	2.674	15.9	19.3
10 18	3 50.53	+24 49.9	1.815	2.684	12.7	19.1
10 28	3 43.48	+24 41.9	1.760	2.693	8.9	18.9
11 7	3 34.51	+24 22.5	1.729	2.703	4.9	18.7
11 17	3 24.64	+23 52.8	1.726	2.712	1.8	18.5
11 27	3 15.07	+23 16.4	1.752	2.722	4.8	18.7
12 7	3 6.93	+22 38.5	1.806	2.731	8.7	19.0
12 17	3 1.01	+22 4.0	1.885	2.740	12.3	19.2

385154 2013 TR_{89} 11 15.9 34°.80 0°.5/16.2 18

10 8	3 53.70	+21 57.7	1.180	2.006	21.0	20.9
10 18	3 50.79	+21 41.7	1.120	2.016	16.7	20.7
10 28	3 44.26	+21 11.5	1.078	2.026	11.5	20.4
11 7	3 35.04	+20 28.6	1.057	2.037	5.6	20.1
11 17	3 24.59	+19 37.0	1.061	2.049	0.7	19.8
11 27	3 14.69	+18 44.0	1.090	2.062	6.5	20.3
12 7	3 6.92	+17 57.5	1.143	2.075	11.9	20.6
12 17	3 2.24	+17 23.6	1.218	2.088	16.5	20.9

397375 2006 UL_{328} 11 15.9 63°.73 0°.7/16.5 18

10 8	3 53.70	+24 12.2	1.801	2.591	16.3	20.6
10 18	3 49.39	+23 36.3	1.738	2.613	12.8	20.4
10 28	3 42.55	+22 47.3	1.695	2.634	8.8	20.2
11 7	3 33.98	+21 47.4	1.678	2.656	4.4	20.0
11 17	3 24.72	+20 40.1	1.689	2.677	0.8	19.8
11 27	3 15.96	+19 31.4	1.729	2.699	4.8	20.2
12 7	3 8.72	+18 27.6	1.797	2.721	8.9	20.4
12 17	3 3.68	+17 33.9	1.890	2.742	12.4	20.7

11238 Johanmaurits 11 15.9 179°.22 2°.5/17.2 18

10 8	3 58.75	+25 21.9	1.580	2.368	18.3	18.6
10 18	3 54.23	+25 34.8	1.498	2.369	14.8	18.4
10 28	3 46.45	+25 35.1	1.435	2.369	10.6	18.1
11 7	3 36.13	+25 21.0	1.396	2.369	5.9	17.9
11 17	3 24.47	+24 52.9	1.384	2.369	2.5	17.7
11 27	3 13.06	+24 14.5	1.399	2.369	5.7	17.9
12 7	3 3.39	+23 32.1	1.441	2.368	10.4	18.1
12 17	2 56.50	+22 52.9	1.508	2.367	14.6	18.4

268191 2005 AQ_{7} 11 15.9 275°.62 3°.7/13.7 17

10 8	3 50.53	+ 8 11.1	2.406	3.204	12.4	20.7
10 18	3 46.45	+ 7 43.5	2.312	3.192	9.9	20.5
10 28	3 40.45	+ 7 16.0	2.241	3.180	7.0	20.3
11 7	3 33.02	+ 6 51.9	2.197	3.167	4.4	20.1
11 17	3 24.83	+ 6 34.0	2.182	3.155	3.9	20.0
11 27	3 16.70	+ 6 25.6	2.196	3.142	6.1	20.2
12 7	3 9.47	+ 6 28.6	2.238	3.130	9.1	20.3
12 17	3 3.77	+ 6 43.7	2.305	3.117	11.9	20.5

427918 2005 UF_{393} 11 15.9 130°.49 0°.5/15.8 18

10 8	3 58.39	+18 41.7	1.888	2.676	15.7	22.0
10 18	3 53.01	+18 30.9	1.814	2.690	12.4	21.8
10 28	3 45.05	+18 13.1	1.763	2.703	8.4	21.6
11 7	3 35.25	+17 49.4	1.737	2.716	4.0	21.3
11 17	3 24.59	+17 22.1	1.740	2.728	0.7	21.1
11 27	3 14.29	+16 54.9	1.773	2.740	5.1	21.5
12 7	3 5.44	+16 31.9	1.834	2.751	9.2	21.7
12 17	2 58.82	+16 16.7	1.920	2.761	12.7	22.0

477369 2009 UP_{113} 11 15.9 324°.69 0°.2/15.9 18

10 8	3 52.23	+18 54.0	1.293	2.120	19.5	21.1
10 18	3 49.77	+18 56.4	1.208	2.105	15.6	20.8
10 28	3 43.82	+18 50.1	1.142	2.092	10.8	20.5
11 7	3 35.03	+18 36.0	1.097	2.078	5.3	20.1
11 17	3 24.59	+18 16.1	1.078	2.066	0.7	19.8
11 27	3 14.18	+17 54.8	1.083	2.055	6.7	20.1
12 7	3 5.51	+17 38.0	1.113	2.044	12.3	20.4
12 17	2 59.80	+17 30.7	1.164	2.034	17.2	20.7

477838 2011 FR_{36} 11 15.9 263°.54 0°.2/16.1 18

10 8	3 56.51	+19 23.6	1.647	2.447	17.1	21.4
10 18	3 52.37	+19 29.2	1.554	2.436	13.7	21.2
10 28	3 45.18	+19 27.5	1.482	2.424	9.5	20.9
11 7	3 35.56	+19 18.7	1.433	2.413	4.7	20.6
11 17	3 24.54	+19 3.9	1.412	2.401	0.5	20.3
11 27	3 13.56	+18 46.4	1.419	2.389	5.7	20.6
12 7	3 4.03	+18 30.8	1.453	2.376	10.6	20.9
12 17	2 57.02	+18 21.4	1.510	2.364	14.9	21.1

266528 2008 FQ_{26} 11 15.9 161°.26 0°.5/16.3 18

10 8	3 57.77	+21 41.7	1.881	2.665	15.9	22.1
10 18	3 52.71	+21 30.8	1.799	2.671	12.6	21.9
10 28	3 44.98	+21 10.1	1.738	2.676	8.7	21.6
11 7	3 35.27	+20 40.2	1.703	2.680	4.3	21.4
11 17	3 24.60	+20 3.2	1.696	2.684	0.6	21.1
11 27	3 14.20	+19 23.2	1.719	2.688	5.0	21.4
12 7	3 5.24	+18 45.3	1.770	2.690	9.2	21.7
12 17	2 58.55	+18 14.1	1.846	2.692	12.9	21.9

273486 2006 YE_{51} 11 16.0 247°.07 0°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.65	+17 49.5	1.754	2.554	16.3	21.8
10 18	3 51.41	+17 34.4	1.661	2.544	12.9	21.6
10 28	3 44.36	+17 12.0	1.588	2.532	8.9	21.3
11 7	3 35.10	+16 43.7	1.541	2.521	4.3	21.0
11 17	3 24.61	+16 12.0	1.521	2.509	1.2	20.8
11 27	3 14.21	+15 41.3	1.529	2.496	5.8	21.1
12 7	3 5.15	+15 16.3	1.565	2.484	10.4	21.3
12 17	2 58.42	+15 1.1	1.625	2.471	14.4	21.5

62968 2000 VD_{48} 11 16.0 70°.63 1°.1/16.8 18

10 8	3 52.54	+24 57.1	2.020	2.802	15.0	19.1
10 18	3 48.33	+24 27.4	1.947	2.817	11.9	18.9
10 28	3 41.80	+23 45.4	1.897	2.832	8.3	18.7
11 7	3 33.65	+22 52.4	1.872	2.848	4.3	18.5
11 17	3 24.81	+21 51.2	1.875	2.863	1.1	18.3
11 27	3 16.35	+20 47.0	1.908	2.878	4.4	18.6
12 7	3 9.21	+19 45.3	1.969	2.893	8.2	18.9
12 17	3 4.08	+18 51.3	2.057	2.909	11.6	19.1

291019 2005 YD_{15} 11 16.0 337°.94 4°.6/18.8 17

10 8	3 51.36	+32 2.5	1.870	2.638	16.5	20.5
10 18	3 48.16	+32 17.8	1.778	2.630	13.7	20.2
10 28	3 42.18	+32 17.0	1.706	2.622	10.4	20.0
11 7	3 34.05	+31 57.9	1.657	2.615	7.0	19.8
11 17	3 24.75	+31 20.1	1.634	2.608	4.7	19.7
11 27	3 15.61	+30 26.5	1.639	2.602	5.9	19.7
12 7	3 7.87	+29 23.4	1.670	2.597	9.2	19.9
12 17	3 2.47	+28 18.2	1.727	2.592	12.7	20.1

351416 2005 GZ_{23} 11 16.0 336°.32 0°.5/16.3 18

10 8	3 52.29	+21 1.8	1.594	2.402	17.3	21.0
10 18	3 49.04	+20 58.6	1.509	2.395	13.8	20.8
10 28	3 42.85	+20 45.7	1.445	2.390	9.5	20.5
11 7	3 34.39	+20 23.4	1.405	2.384	4.8	20.2
11 17	3 24.72	+19 54.0	1.391	2.379	0.6	19.9
11 27	3 15.20	+19 21.4	1.404	2.375	5.5	20.3
12 7	3 7.18	+18 51.3	1.443	2.371	10.3	20.5
12 17	3 1.63	+18 28.5	1.506	2.367	14.5	20.8

11815 Viikinkoski 11 16.0 64°.26 2°.3/17.2 18

10 8	3 56.42	+25 33.8	1.613	2.403	17.9	18.8
10 18	3 52.02	+25 39.7	1.549	2.421	14.3	18.6
10 28	3 44.64	+25 32.4	1.504	2.439	10.1	18.4
11 7	3 35.12	+25 11.3	1.484	2.457	5.6	18.2
11 17	3 24.65	+24 37.9	1.490	2.475	2.3	18.0
11 27	3 14.67	+23 56.6	1.523	2.494	5.3	18.2
12 7	3 6.42	+23 13.4	1.584	2.512	9.5	18.5
12 17	3 0.75	+22 34.6	1.669	2.530	13.3	18.8

514046 2014 ML_{63} 11 16.0 150°.98 3°.4/13.5 18

10 8	3 52.83	+ 9 55.8	2.492	3.282	12.3	23.0
10 18	3 47.97	+ 9 7.7	2.415	3.292	9.6	22.8
10 28	3 41.30	+ 8 18.2	2.363	3.301	6.7	22.7
11 7	3 33.36	+ 7 30.7	2.339	3.310	4.1	22.5
11 17	3 24.85	+ 6 48.7	2.344	3.317	3.6	22.5
11 27	3 16.58	+ 6 15.9	2.380	3.325	5.8	22.7
12 7	3 9.27	+ 5 54.8	2.444	3.331	8.6	22.8
12 17	3 3.52	+ 5 46.6	2.534	3.337	11.2	23.0

46596 Tobata 11 16.0 303°.16 5°.0/13.9 18

10 8	3 53.38	+ 9 26.5	1.406	2.232	18.2	18.2
10 18	3 50.21	+ 8 50.8	1.321	2.217	14.6	18.0
10 28	3 43.87	+ 8 13.6	1.255	2.201	10.4	17.7
11 7	3 34.98	+ 7 39.9	1.212	2.186	6.3	17.4
11 17	3 24.65	+ 7 15.6	1.194	2.171	5.3	17.3
11 27	3 14.36	+ 7 6.1	1.202	2.157	8.9	17.5
12 7	3 5.61	+ 7 15.0	1.234	2.143	13.5	17.7
12 17	2 59.51	+ 7 43.1	1.288	2.129	17.8	17.9

314415 2005 UL_{347} 11 16.0 77°.72 0°.8/15.5 18

10 8	3 51.54	+19 8.3	2.024	2.821	14.5	21.2
10 18	3 47.54	+18 33.0	1.946	2.827	11.4	21.0
10 28	3 41.31	+17 49.2	1.890	2.833	7.7	20.8
11 7	3 33.45	+16 59.5	1.860	2.840	3.7	20.6
11 17	3 24.84	+16 7.1	1.858	2.846	1.1	20.4
11 27	3 16.51	+15 16.9	1.886	2.852	4.9	20.7
12 7	3 9.39	+14 33.5	1.942	2.859	8.8	20.9
12 17	3 4.18	+14 0.6	2.023	2.865	12.1	21.1

515524 2014 FL_{35} 11 16.0 206°.15 3°.3/17.9 18

10 8	3 58.75	+28 36.2	2.433	3.179	13.7	22.4
10 18	3 53.23	+29 5.0	2.331	3.173	11.2	22.2
10 28	3 45.29	+29 24.0	2.252	3.167	8.3	22.0
11 7	3 35.48	+29 31.0	2.198	3.159	5.3	21.8
11 17	3 24.63	+29 25.0	2.174	3.152	3.3	21.7
11 27	3 13.81	+29 7.3	2.181	3.143	4.8	21.8
12 7	3 4.09	+28 41.5	2.217	3.134	7.8	22.0
12 17	2 56.30	+28 12.1	2.280	3.124	10.9	22.1