215338 2001 UL_{200} 11 11.9 49°.59 0°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.58	+19 6.6	1.922	2.757	13.7	20.8
10 18	3 28.79	+18 30.3	1.848	2.758	10.3	20.6
10 28	3 21.89	+17 44.6	1.798	2.760	6.4	20.4
11 7	3 13.61	+16 52.2	1.774	2.762	2.1	20.1
11 17	3 4.92	+15 57.4	1.779	2.764	2.4	20.1
11 27	2 56.89	+15 5.6	1.813	2.765	6.6	20.4
12 7	2 50.41	+14 21.8	1.874	2.767	10.4	20.6
12 17	2 46.12	+13 49.7	1.958	2.769	13.7	20.9

3123 Dunham 11 11.9 48°.50 1°.5/11.3 18 R

10 8	3 36.57	+16 3.2	1.381	2.234	17.0	16.9
10 18	3 31.57	+15 37.7	1.326	2.246	12.7	16.7
10 28	3 23.80	+15 4.7	1.292	2.258	7.8	16.4
11 7	3 14.27	+14 27.8	1.283	2.271	2.8	16.2
11 17	3 4.31	+13 52.0	1.301	2.284	3.4	16.2
11 27	2 55.38	+13 22.9	1.345	2.298	8.4	16.6
12 7	2 48.61	+13 5.3	1.414	2.312	12.9	16.9
12 17	2 44.67	+13 1.6	1.503	2.326	16.6	17.1

480972 2003 UW_{344} 11 11.9 339°.88 3°.8/13.6 16

10 8	3 31.07	+24 55.4	1.186	2.042	19.1	21.1
10 18	3 28.57	+25 26.8	1.106	2.021	15.1	20.8
10 28	3 22.64	+25 43.0	1.044	2.003	10.4	20.5
11 7	3 14.09	+25 41.8	1.004	1.985	5.5	20.1
11 17	3 4.33	+25 23.4	0.986	1.969	4.4	20.0
11 27	2 55.26	+24 52.6	0.993	1.955	9.0	20.2
12 7	2 48.57	+24 17.5	1.022	1.943	14.2	20.5
12 17	2 45.40	+23 46.5	1.070	1.933	19.0	20.7

250678 2005 PK_{23} 11 11.9 293°.04 1°.7/12.9 17

10 8	3 34.95	+22 59.1	1.964	2.787	13.9	21.1
10 18	3 30.08	+23 2.3	1.873	2.773	10.8	20.9
10 28	3 22.87	+22 55.0	1.804	2.759	7.0	20.6
11 7	3 14.02	+22 37.3	1.762	2.745	3.1	20.3
11 17	3 4.49	+22 10.8	1.747	2.732	2.4	20.3
11 27	2 55.46	+21 39.4	1.762	2.718	6.4	20.5
12 7	2 47.98	+21 7.9	1.803	2.705	10.3	20.7
12 17	2 42.80	+20 41.4	1.868	2.691	13.8	20.9

244394 2002 PH_{97} 11 11.9 22°.83 9°.0/ 8.2 18

10 8	3 32.46	+ 0 27.8	1.170	2.042	18.2	18.4
10 18	3 28.58	− 0 38.3	1.136	2.056	14.4	18.3
10 28	3 21.93	− 1 33.0	1.121	2.072	10.8	18.1
11 7	3 13.63	− 2 7.5	1.128	2.089	9.0	18.1
11 17	3 5.03	− 2 15.8	1.158	2.108	10.2	18.2
11 27	2 57.55	− 1 55.4	1.212	2.128	13.1	18.4
12 7	2 52.28	− 1 8.5	1.286	2.149	16.5	18.7
12 17	2 49.79	− 0 0.0	1.379	2.171	19.4	19.0

476777 2008 UJ_{126} 11 11.9 62°.36 2°.3/13.3 18

10 8	3 38.16	+24 22.3	1.541	2.370	16.8	20.8
10 18	3 32.69	+24 25.2	1.482	2.384	12.9	20.6
10 28	3 24.48	+24 13.9	1.444	2.399	8.5	20.4
11 7	3 14.51	+23 48.7	1.431	2.414	3.9	20.2
11 17	3 4.10	+23 12.3	1.445	2.429	3.0	20.1
11 27	2 54.68	+22 30.4	1.486	2.444	7.1	20.4
12 7	2 47.40	+21 49.6	1.553	2.459	11.4	20.7
12 17	2 42.94	+21 15.8	1.643	2.474	15.0	21.0

97448 2000 BW_{33} 11 11.9 332°.76 4°.5/15.1 17

10 8	3 34.85	+31 39.1	2.151	2.940	14.0	19.2
10 18	3 29.90	+31 57.0	2.066	2.936	11.3	19.0
10 28	3 22.68	+31 59.7	2.003	2.933	8.3	18.8
11 7	3 13.93	+31 45.7	1.966	2.930	5.5	18.6
11 17	3 4.62	+31 15.5	1.956	2.926	4.5	18.6
11 27	2 55.88	+30 32.4	1.975	2.924	6.5	18.7
12 7	2 48.71	+29 42.1	2.021	2.921	9.5	18.9
12 17	2 43.82	+28 50.9	2.091	2.918	12.4	19.1

279511 2011 AQ_{72} 11 11.9 339°.48 1°.3/10.4 18

10 8	3 25.65	+11 51.3	4.179	5.007	7.0	20.4
10 18	3 21.88	+11 32.5	4.099	5.006	5.2	20.3
10 28	3 17.22	+11 12.6	4.045	5.005	3.2	20.2
11 7	3 11.99	+10 53.0	4.020	5.004	1.5	20.0
11 17	3 6.58	+10 35.4	4.027	5.003	2.0	20.1
11 27	3 1.41	+10 21.4	4.064	5.002	3.9	20.2
12 7	2 56.85	+10 12.4	4.130	5.001	5.8	20.3
12 17	2 53.23	+10 9.2	4.222	5.000	7.5	20.5

453874 2011 UF_{126} 11 11.9 340°.13 4°.8/14.3 18

10 8	3 39.86	+28 38.4	1.783	2.587	15.9	21.2
10 18	3 34.15	+29 31.6	1.703	2.584	12.7	21.0
10 28	3 25.59	+30 11.6	1.645	2.582	9.2	20.8
11 7	3 14.98	+30 35.2	1.612	2.580	5.9	20.6
11 17	3 3.54	+30 41.0	1.606	2.578	5.0	20.5
11 27	2 52.74	+30 31.1	1.628	2.577	7.6	20.7
12 7	2 43.87	+30 11.1	1.676	2.575	11.1	20.9
12 17	2 37.83	+29 47.5	1.747	2.574	14.5	21.1

240989 2006 KL_{50} 11 11.9 292°.39 0°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.26	+18 30.9	1.652	2.495	15.2	20.6
10 18	3 29.85	+17 54.2	1.563	2.478	11.5	20.3
10 28	3 22.86	+17 6.3	1.497	2.461	7.2	20.1
11 7	3 14.04	+16 10.1	1.457	2.445	2.4	19.7
11 17	3 4.50	+15 10.5	1.444	2.428	2.9	19.7
11 27	2 55.53	+14 14.0	1.459	2.412	7.8	20.0
12 7	2 48.32	+13 27.2	1.499	2.395	12.4	20.2
12 17	2 43.67	+12 54.8	1.561	2.379	16.3	20.4

15359 Dressler 11 11.9 358°.99 2°.9/10.2 18

10 8	3 33.83	+11 57.2	1.809	2.655	13.9	18.6
10 18	3 29.06	+11 19.4	1.738	2.655	10.4	18.4
10 28	3 22.10	+10 38.1	1.691	2.655	6.6	18.2
11 7	3 13.72	+ 9 57.6	1.671	2.655	3.2	18.0
11 17	3 4.88	+ 9 22.2	1.678	2.655	4.2	18.0
11 27	2 56.70	+ 8 56.7	1.713	2.655	7.9	18.2
12 7	2 50.10	+ 8 44.2	1.774	2.655	11.7	18.5
12 17	2 45.74	+ 8 46.2	1.857	2.655	14.9	18.7

496168 2011 AC_{7} 11 11.9 347°.93 1°.3/10.4 18

10 8	3 25.81	+12 4.9	4.079	4.908	7.2	21.1
10 18	3 22.02	+11 46.2	3.999	4.907	5.3	21.0
10 28	3 17.31	+11 26.3	3.945	4.906	3.3	20.9
11 7	3 12.03	+11 6.6	3.921	4.905	1.5	20.7
11 17	3 6.56	+10 48.9	3.927	4.904	2.0	20.8
11 27	3 1.33	+10 34.7	3.964	4.903	3.9	20.9
12 7	2 56.73	+10 25.5	4.030	4.902	5.9	21.0
12 17	2 53.09	+10 22.3	4.122	4.902	7.7	21.2

430487 2001 SE_{305} 11 11.9 90°.54 1°.1/12.6 18

10 8	3 39.69	+22 34.5	1.614	2.441	16.2	21.4
10 18	3 33.57	+22 15.2	1.559	2.462	12.3	21.2
10 28	3 24.87	+21 42.8	1.525	2.483	7.8	20.9
11 7	3 14.62	+20 59.4	1.517	2.503	3.0	20.7
11 17	3 4.06	+20 8.8	1.538	2.523	2.4	20.7
11 27	2 54.55	+19 17.2	1.587	2.543	7.0	21.0
12 7	2 47.12	+18 31.0	1.662	2.562	11.1	21.3
12 17	2 42.38	+17 55.0	1.760	2.581	14.7	21.6

178376 1997 GR_{18} 11 11.9 157°.64 3°.5/14.0 18

10 8	3 40.79	+27 34.7	2.132	2.926	14.0	20.4
10 18	3 34.26	+28 7.6	2.053	2.931	11.0	20.2
10 28	3 25.36	+28 28.6	1.997	2.936	7.7	20.0
11 7	3 14.84	+28 35.9	1.968	2.940	4.6	19.8
11 17	3 3.74	+28 29.3	1.968	2.944	3.7	19.8
11 27	2 53.27	+28 11.5	1.998	2.948	6.3	19.9
12 7	2 44.46	+27 47.3	2.056	2.951	9.6	20.1
12 17	2 38.05	+27 22.1	2.139	2.954	12.6	20.3

221964 1995 SF_{37} 11 12.0 315°.25 2°.3/13.0 18

10 8	3 35.92	+23 11.7	1.299	2.145	18.3	20.7
10 18	3 31.92	+23 20.7	1.217	2.130	14.3	20.4
10 28	3 24.57	+23 15.1	1.155	2.115	9.4	20.1
11 7	3 14.73	+22 54.5	1.116	2.100	4.2	19.7
11 17	3 3.82	+22 20.6	1.102	2.086	3.3	19.6
11 27	2 53.62	+21 39.4	1.113	2.073	8.6	19.9
12 7	2 45.74	+20 58.9	1.147	2.060	13.8	20.2
12 17	2 41.21	+20 26.6	1.202	2.048	18.5	20.4

29998 2000 AG_{137} 11 12.0 150°.06 1°.1/12.6 18

10 8	3 42.05	+21 31.7	1.514	2.344	17.0	19.0
10 18	3 35.75	+21 28.3	1.446	2.351	13.0	18.7
10 28	3 26.49	+21 12.8	1.399	2.357	8.3	18.5
11 7	3 15.25	+20 45.8	1.377	2.363	3.2	18.2
11 17	3 3.42	+20 10.3	1.383	2.369	2.6	18.2
11 27	2 52.54	+19 31.8	1.417	2.373	7.6	18.5
12 7	2 43.90	+18 56.9	1.477	2.378	12.3	18.8
12 17	2 38.27	+18 31.1	1.560	2.381	16.2	19.0

476476 2008 FG_{22} 11 12.0 53°.63 3°.8/10.6 18

10 8	3 39.39	+ 9 53.3	1.289	2.146	17.8	20.2
10 18	3 33.77	+ 9 37.8	1.238	2.159	13.4	20.0
10 28	3 25.21	+ 9 22.3	1.209	2.173	8.5	19.8
11 7	3 14.79	+ 9 11.2	1.204	2.187	4.3	19.6
11 17	3 3.94	+ 9 8.4	1.224	2.202	5.2	19.7
11 27	2 54.21	+ 9 17.6	1.271	2.217	9.6	20.0
12 7	2 46.81	+ 9 40.3	1.342	2.232	14.0	20.3
12 17	2 42.42	+10 16.5	1.433	2.247	17.7	20.6

237856 2002 GV_{116} 11 12.0 213°.71 1°.5/11.1 18

10 8	3 36.51	+15 2.6	1.905	2.741	13.8	21.2
10 18	3 31.06	+14 39.3	1.826	2.737	10.3	21.0
10 28	3 23.38	+14 10.5	1.771	2.733	6.4	20.7
11 7	3 14.19	+13 38.8	1.742	2.729	2.4	20.5
11 17	3 4.47	+13 7.8	1.742	2.724	3.1	20.5
11 27	2 55.36	+12 41.9	1.772	2.719	7.2	20.7
12 7	2 47.84	+12 24.8	1.828	2.714	11.1	21.0
12 17	2 42.58	+12 19.1	1.907	2.709	14.4	21.2

22214 4326 T-1 11 12.0 61°.62 4°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.17	+ 6 57.0	1.986	2.832	12.9	18.2
10 18	3 27.49	+ 5 51.5	1.930	2.843	9.7	18.0
10 28	3 20.96	+ 4 46.9	1.898	2.855	6.6	17.9
11 7	3 13.31	+ 3 48.5	1.894	2.866	4.7	17.8
11 17	3 5.39	+ 3 1.6	1.917	2.877	5.8	17.9
11 27	2 58.13	+ 2 30.2	1.969	2.889	8.6	18.1
12 7	2 52.30	+ 2 16.3	2.046	2.901	11.5	18.3
12 17	2 48.41	+ 2 20.0	2.145	2.912	14.1	18.5

324806 2007 HN_{49} 11 12.0 144°.66 2°.9/ 9.2 18

10 8	3 31.60	+11 46.4	2.544	3.379	10.8	20.4
10 18	3 26.75	+10 28.6	2.474	3.384	8.0	20.3
10 28	3 20.39	+ 9 7.0	2.430	3.390	5.1	20.1
11 7	3 13.11	+ 7 46.2	2.416	3.395	3.0	20.0
11 17	3 5.60	+ 6 31.1	2.432	3.400	4.0	20.1
11 27	2 58.59	+ 5 26.4	2.479	3.405	6.7	20.2
12 7	2 52.72	+ 4 35.4	2.553	3.410	9.4	20.4
12 17	2 48.44	+ 3 59.9	2.651	3.414	11.9	20.6

298487 2003 US_{264} 11 12.0 323°.08 4°.1/10.2 18

10 8	3 35.48	+ 8 35.3	1.526	2.380	15.6	19.7
10 18	3 30.85	+ 8 18.7	1.448	2.367	11.9	19.4
10 28	3 23.53	+ 8 2.8	1.392	2.355	7.8	19.1
11 7	3 14.32	+ 7 52.1	1.361	2.343	4.4	18.9
11 17	3 4.36	+ 7 50.4	1.356	2.331	5.4	18.9
11 27	2 55.02	+ 8 1.6	1.378	2.320	9.4	19.1
12 7	2 47.51	+ 8 27.3	1.424	2.309	13.7	19.4
12 17	2 42.67	+ 9 7.7	1.492	2.300	17.4	19.6

404701 2014 JF_{2} 11 12.0 227°.84 1°.9/10.8 18

10 8	3 36.10	+13 44.2	2.070	2.903	12.9	21.7
10 18	3 30.64	+13 19.3	1.985	2.895	9.7	21.4
10 28	3 23.08	+12 49.9	1.925	2.887	6.1	21.2
11 7	3 14.11	+12 19.0	1.892	2.877	2.5	21.0
11 17	3 4.61	+11 50.0	1.888	2.868	3.2	21.0
11 27	2 55.62	+11 26.7	1.914	2.858	7.0	21.2
12 7	2 48.07	+11 12.5	1.967	2.848	10.7	21.4
12 17	2 42.61	+11 9.7	2.043	2.837	13.9	21.6

395705 2012 SY_{56} 11 12.0 263°.50 4°.0/ 9.0 18

10 8	3 33.88	+13 7.4	1.657	2.507	14.8	20.4
10 18	3 29.31	+11 27.9	1.582	2.501	11.1	20.2
10 28	3 22.37	+ 9 39.3	1.531	2.494	7.1	19.9
11 7	3 13.87	+ 7 49.0	1.507	2.488	4.1	19.7
11 17	3 4.88	+ 6 6.0	1.511	2.481	5.6	19.8
11 27	2 56.59	+ 4 39.0	1.543	2.475	9.6	20.0
12 7	2 50.02	+ 3 34.1	1.600	2.468	13.5	20.3
12 17	2 45.86	+ 2 53.8	1.679	2.461	16.9	20.5

260622 2005 GY_{62} 11 12.0 246°.49 2°.6/10.8 18

10 8	3 39.34	+12 34.4	1.519	2.365	16.1	20.6
10 18	3 33.79	+12 15.2	1.440	2.356	12.2	20.4
10 28	3 25.39	+11 52.2	1.384	2.347	7.7	20.1
11 7	3 14.97	+11 28.9	1.352	2.338	3.3	19.8
11 17	3 3.77	+11 9.3	1.348	2.328	4.2	19.9
11 27	2 53.27	+10 58.2	1.372	2.318	8.9	20.1
12 7	2 44.75	+10 59.2	1.420	2.308	13.5	20.4
12 17	2 39.07	+11 14.3	1.490	2.298	17.5	20.6

140648 2001 UN_{30} 11 12.0 332°.80 5°.9/ 8.7 18

10 8	3 32.06	+ 5 22.9	1.572	2.430	15.0	19.1
10 18	3 28.13	+ 4 32.4	1.499	2.417	11.6	18.9
10 28	3 21.75	+ 3 43.9	1.447	2.405	8.2	18.7
11 7	3 13.71	+ 3 3.7	1.421	2.393	6.0	18.5
11 17	3 5.04	+ 2 37.8	1.420	2.382	7.1	18.6
11 27	2 56.98	+ 2 31.0	1.445	2.372	10.5	18.7
12 7	2 50.62	+ 2 45.2	1.494	2.362	14.2	18.9
12 17	2 46.70	+ 3 19.6	1.562	2.353	17.6	19.1

144826 2004 JP_{15} 11 12.0 233°.08 1°.8/11.0 18

10 8	3 37.87	+14 36.5	1.740	2.579	14.7	20.8
10 18	3 32.36	+14 12.1	1.659	2.571	11.1	20.5
10 28	3 24.34	+13 41.9	1.600	2.563	6.9	20.3
11 7	3 14.59	+13 8.9	1.567	2.554	2.7	20.0
11 17	3 4.19	+12 37.0	1.563	2.545	3.4	20.0
11 27	2 54.41	+12 11.0	1.587	2.535	7.9	20.3
12 7	2 46.36	+11 55.1	1.638	2.525	12.1	20.5
12 17	2 40.82	+11 52.1	1.710	2.515	15.7	20.7

36289 2000 FP_{11} 11 12.0 52°.00 4°.0/ 9.9 18

10 8	3 36.08	+ 5 10.4	2.108	2.944	12.6	17.2
10 18	3 30.36	+ 5 4.0	2.047	2.953	9.6	17.0
10 28	3 22.76	+ 5 1.4	2.009	2.964	6.5	16.9
11 7	3 13.98	+ 5 5.6	1.999	2.974	4.2	16.7
11 17	3 4.88	+ 5 18.8	2.018	2.984	4.9	16.8
11 27	2 56.40	+ 5 42.7	2.066	2.995	7.7	17.0
12 7	2 49.36	+ 6 17.4	2.141	3.006	10.7	17.2
12 17	2 44.28	+ 7 2.5	2.239	3.017	13.3	17.4

392920 2012 VP_{91} 11 12.0 230°.59 2°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.42	+13 37.6	2.002	2.837	13.2	21.6
10 18	3 30.96	+13 10.5	1.918	2.829	10.0	21.4
10 28	3 23.33	+12 38.9	1.857	2.819	6.2	21.2
11 7	3 14.23	+12 5.7	1.824	2.810	2.6	20.9
11 17	3 4.58	+11 34.6	1.820	2.799	3.4	21.0
11 27	2 55.45	+11 9.8	1.845	2.789	7.2	21.2
12 7	2 47.81	+10 54.7	1.897	2.778	11.0	21.4
12 17	2 42.34	+10 51.6	1.972	2.767	14.3	21.6

275371 2011 AZ_{54} 11 12.0 327°.24 0°.6/11.3 15

10 8	3 25.98	+15 29.8	4.102	4.926	7.2	22.0
10 18	3 22.19	+15 14.0	4.018	4.923	5.4	21.8
10 28	3 17.47	+14 55.5	3.959	4.920	3.3	21.7
11 7	3 12.16	+14 35.7	3.931	4.918	1.2	21.5
11 17	3 6.65	+14 16.0	3.933	4.915	1.5	21.5
11 27	3 1.38	+13 58.3	3.966	4.912	3.6	21.7
12 7	2 56.74	+13 44.0	4.028	4.910	5.7	21.8
12 17	2 53.07	+13 34.6	4.117	4.907	7.5	22.0

473597 2015 XH_{257} 11 12.0 100°.77 2°.1/13.9 18

10 8	3 34.54	+28 3.1	2.367	3.165	12.6	20.6
10 18	3 29.14	+27 24.5	2.296	3.179	9.8	20.5
10 28	3 21.95	+26 31.8	2.249	3.194	6.6	20.3
11 7	3 13.69	+25 26.6	2.230	3.208	3.3	20.1
11 17	3 5.20	+24 12.2	2.240	3.223	2.4	20.1
11 27	2 57.40	+22 54.0	2.281	3.237	5.2	20.3
12 7	2 51.03	+21 37.9	2.352	3.250	8.4	20.5
12 17	2 46.59	+20 28.9	2.448	3.264	11.2	20.7

268739 2006 KZ_{104} 11 12.0 246°.51 4°.4/ 7.8 17

10 8	3 30.59	+ 5 6.2	2.664	3.499	10.3	21.3
10 18	3 26.06	+ 3 58.8	2.581	3.487	7.9	21.1
10 28	3 20.05	+ 2 51.7	2.526	3.475	5.7	21.0
11 7	3 13.07	+ 1 49.5	2.498	3.463	4.4	20.9
11 17	3 5.75	+ 0 56.5	2.500	3.450	5.3	20.9
11 27	2 58.81	+ 0 16.7	2.532	3.438	7.6	21.0
12 7	2 52.87	− 0 7.8	2.590	3.425	10.1	21.2
12 17	2 48.43	− 0 16.3	2.671	3.411	12.3	21.3

221104 2005 SC_{125} 11 12.0 41°.40 1°.2/11.5 18

10 8	3 37.67	+16 17.7	1.178	2.039	18.8	20.0
10 18	3 32.73	+16 3.2	1.133	2.056	14.1	19.7
10 28	3 24.67	+15 40.8	1.107	2.074	8.6	19.5
11 7	3 14.68	+15 13.9	1.105	2.093	2.9	19.2
11 17	3 4.29	+14 47.4	1.128	2.113	3.5	19.3
11 27	2 55.16	+14 26.9	1.177	2.133	8.8	19.7
12 7	2 48.51	+14 17.2	1.249	2.153	13.7	20.0
12 17	2 45.02	+14 20.7	1.341	2.174	17.6	20.3

325598 2009 SM_{166} 11 12.0 270°.32 3°.1/ 9.3 18

10 8	3 31.07	+11 52.6	2.282	3.123	11.6	20.1
10 18	3 26.64	+10 40.7	2.202	3.115	8.7	19.9
10 28	3 20.50	+ 9 24.0	2.147	3.108	5.6	19.7
11 7	3 13.24	+ 8 7.3	2.120	3.101	3.2	19.5
11 17	3 5.62	+ 6 55.9	2.123	3.093	4.2	19.6
11 27	2 58.48	+ 5 55.0	2.155	3.086	7.3	19.7
12 7	2 52.55	+ 5 8.5	2.214	3.078	10.4	19.9
12 17	2 48.37	+ 4 38.3	2.297	3.070	13.1	20.1

77156 2001 EE_{11} 11 12.0 169°.38 4°.4/ 9.5 18

10 8	3 37.80	+ 8 51.1	1.693	2.538	14.8	19.6
10 18	3 32.14	+ 7 57.6	1.627	2.541	11.2	19.4
10 28	3 24.09	+ 7 2.8	1.584	2.543	7.4	19.2
11 7	3 14.49	+ 6 12.2	1.567	2.545	4.6	19.0
11 17	3 4.44	+ 5 31.5	1.578	2.547	5.7	19.1
11 27	2 55.14	+ 5 5.7	1.617	2.548	9.3	19.3
12 7	2 47.63	+ 4 57.4	1.681	2.548	13.0	19.5
12 17	2 42.56	+ 5 7.0	1.767	2.548	16.2	19.7

1695 Walbeck 11 12.0 27°.93 2°.5/10.2 18

10 8	3 31.11	+19 41.4	1.221	2.085	18.1	15.5
10 18	3 27.55	+17 36.9	1.179	2.106	13.3	15.2
10 28	3 21.30	+15 17.0	1.159	2.128	8.0	15.0
11 7	3 13.50	+12 52.6	1.164	2.151	3.1	14.8
11 17	3 5.52	+10 36.2	1.195	2.175	4.6	15.0
11 27	2 58.73	+ 8 40.1	1.253	2.201	9.5	15.3
12 7	2 54.11	+ 7 11.6	1.335	2.227	13.9	15.7
12 17	2 52.16	+ 6 13.0	1.438	2.255	17.5	16.0

402430 2006 AP_{40} 11 12.0 0°.13 6°.2/ 8.2 18

10 8	3 32.72	+ 1 44.9	1.941	2.785	13.2	20.2
10 18	3 28.07	+ 0 56.7	1.877	2.784	10.4	20.1
10 28	3 21.46	+ 0 13.9	1.837	2.784	7.7	19.9
11 7	3 13.59	− 0 18.1	1.823	2.784	6.2	19.8
11 17	3 5.34	− 0 34.9	1.836	2.784	7.1	19.9
11 27	2 57.68	− 0 33.4	1.876	2.784	9.7	20.0
12 7	2 51.45	− 0 13.1	1.940	2.785	12.5	20.2
12 17	2 47.24	+ 0 24.8	2.026	2.786	15.1	20.4

385663 2005 SH_{95} 11 12.0 11°.27 1°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.63	+20 29.4	1.229	2.083	18.7	20.6
10 18	3 32.29	+20 43.6	1.166	2.084	14.3	20.3
10 28	3 24.67	+20 46.4	1.123	2.086	9.1	20.1
11 7	3 14.79	+20 38.2	1.103	2.090	3.5	19.8
11 17	3 4.15	+20 21.3	1.108	2.094	2.9	19.7
11 27	2 54.50	+20 1.0	1.139	2.099	8.4	20.1
12 7	2 47.30	+19 43.6	1.192	2.105	13.5	20.4
12 17	2 43.38	+19 34.5	1.267	2.111	17.8	20.7

147339 2003 BW_{56} 11 12.0 243°.76 4°.2/ 9.6 18

10 8	3 36.10	+ 9 48.0	1.657	2.505	14.9	20.2
10 18	3 31.04	+ 8 55.4	1.582	2.498	11.3	20.0
10 28	3 23.52	+ 8 0.1	1.530	2.492	7.4	19.7
11 7	3 14.34	+ 7 7.5	1.505	2.485	4.4	19.6
11 17	3 4.58	+ 6 23.5	1.506	2.477	5.5	19.6
11 27	2 55.49	+ 5 53.7	1.536	2.470	9.3	19.8
12 7	2 48.15	+ 5 41.4	1.590	2.462	13.3	20.0
12 17	2 43.28	+ 5 47.6	1.665	2.455	16.7	20.2

477513 2010 CD_{160} 11 12.0 309°.87 9°.3/16.4 18

10 8	3 39.25	+37 16.9	1.480	2.266	19.4	20.9
10 18	3 34.86	+38 25.1	1.390	2.247	16.5	20.7
10 28	3 26.73	+39 12.1	1.319	2.229	13.3	20.4
11 7	3 15.66	+39 30.7	1.269	2.211	10.5	20.2
11 17	3 3.14	+39 16.1	1.242	2.193	9.3	20.1
11 27	2 51.25	+38 30.3	1.240	2.176	10.9	20.1
12 7	2 41.87	+37 21.9	1.261	2.160	14.1	20.3
12 17	2 36.24	+36 3.1	1.304	2.144	17.6	20.5

520748 2014 RH_{59} 11 12.0 356°.21 0°.2/12.1 18

10 8	3 33.54	+19 13.4	2.198	3.026	12.5	21.6
10 18	3 28.64	+19 3.5	2.120	3.025	9.4	21.4
10 28	3 21.81	+18 46.4	2.065	3.025	5.9	21.1
11 7	3 13.72	+18 23.4	2.038	3.025	2.0	20.9
11 17	3 5.20	+17 57.0	2.040	3.025	1.9	20.9
11 27	2 57.21	+17 30.7	2.071	3.025	5.8	21.1
12 7	2 50.58	+17 8.2	2.129	3.025	9.3	21.4
12 17	2 45.91	+16 52.6	2.213	3.025	12.3	21.6

353762 2012 DR_{24} 11 12.0 187°.01 4°.6/ 8.3 18

10 8	3 31.82	+ 4 32.0	2.425	3.262	11.1	20.9
10 18	3 27.05	+ 3 36.3	2.355	3.261	8.6	20.7
10 28	3 20.69	+ 2 42.6	2.311	3.261	6.1	20.6
11 7	3 13.31	+ 1 55.3	2.295	3.260	4.7	20.5
11 17	3 5.63	+ 1 18.5	2.307	3.260	5.6	20.5
11 27	2 58.42	+ 0 55.6	2.349	3.259	7.9	20.7
12 7	2 52.36	+ 0 48.1	2.416	3.258	10.5	20.8
12 17	2 47.95	+ 0 56.2	2.506	3.256	12.8	21.0

316140 2009 SY_{239} 11 12.0 57°.65 9°.5/ 6.3 18

10 8	3 34.37	− 8 16.1	1.922	2.746	14.2	19.7
10 18	3 29.04	− 9 27.3	1.893	2.770	11.9	19.6
10 28	3 21.87	−10 23.6	1.886	2.794	10.1	19.6
11 7	3 13.67	−10 58.7	1.904	2.819	9.5	19.6
11 17	3 5.35	−11 8.8	1.948	2.843	10.2	19.7
11 27	2 57.83	−10 52.9	2.016	2.868	11.9	19.8
12 7	2 51.86	−10 12.9	2.107	2.892	13.8	20.0
12 17	2 47.89	− 9 12.8	2.217	2.917	15.6	20.2

65379 2002 PL_{83} 11 12.0 76°.26 2°.5/10.8 18

10 8	3 39.01	+14 5.5	1.378	2.229	17.2	19.7
10 18	3 33.32	+13 26.7	1.328	2.247	12.8	19.5
10 28	3 24.89	+12 42.2	1.300	2.265	7.9	19.3
11 7	3 14.76	+11 56.8	1.297	2.283	3.3	19.1
11 17	3 4.30	+11 16.2	1.320	2.300	4.2	19.2
11 27	2 54.95	+10 45.9	1.370	2.318	8.8	19.5
12 7	2 47.83	+10 30.2	1.445	2.336	13.2	19.8
12 17	2 43.55	+10 30.4	1.541	2.353	16.8	20.1

170704 2004 BP_{29} 11 12.0 336°.87 0°.5/11.8 18

10 8	3 33.11	+17 24.7	1.416	2.272	16.5	20.0
10 18	3 29.38	+17 17.4	1.337	2.258	12.6	19.7
10 28	3 22.80	+17 1.7	1.280	2.246	7.9	19.5
11 7	3 14.18	+16 39.8	1.246	2.234	2.7	19.1
11 17	3 4.74	+16 15.2	1.238	2.224	2.9	19.1
11 27	2 55.96	+15 53.0	1.257	2.214	8.2	19.4
12 7	2 49.15	+15 38.6	1.299	2.205	13.1	19.7
12 17	2 45.20	+15 35.7	1.362	2.197	17.3	19.9

176310 2001 SO_{188} 11 12.0 23°.53 0°.8/11.6 18

10 8	3 35.36	+16 29.5	1.671	2.515	15.0	19.8
10 18	3 30.46	+16 22.5	1.604	2.519	11.3	19.5
10 28	3 23.14	+16 9.1	1.559	2.523	7.0	19.3
11 7	3 14.21	+15 51.7	1.540	2.528	2.4	19.0
11 17	3 4.77	+15 33.1	1.548	2.533	2.7	19.1
11 27	2 56.08	+15 17.4	1.585	2.538	7.2	19.4
12 7	2 49.17	+15 8.6	1.647	2.544	11.4	19.6
12 17	2 44.73	+15 9.3	1.731	2.550	14.9	19.9

2912 Lapalma 11 12.0 228°.29 4°.4/ 9.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.30	+ 8 39.3	1.572	2.419	15.6	16.4
10 18	3 32.82	+ 8 1.1	1.499	2.415	11.9	16.1
10 28	3 24.69	+ 7 22.4	1.449	2.409	7.8	15.9
11 7	3 14.78	+ 6 48.0	1.424	2.404	4.7	15.7
11 17	3 4.23	+ 6 23.4	1.427	2.398	5.7	15.7
11 27	2 54.40	+ 6 13.1	1.457	2.392	9.6	15.9
12 7	2 46.46	+ 6 19.7	1.511	2.386	13.7	16.2
12 17	2 41.17	+ 6 43.5	1.587	2.380	17.3	16.4

61872 2000 QH_{213} 11 12.0 330°.91 1°.1/11.4 18

10 8	3 34.23	+15 48.7	1.911	2.750	13.6	19.2
10 18	3 29.40	+15 30.9	1.834	2.747	10.2	19.0
10 28	3 22.41	+15 7.4	1.781	2.744	6.3	18.7
11 7	3 13.97	+14 40.6	1.754	2.741	2.2	18.5
11 17	3 5.03	+14 13.8	1.756	2.739	2.7	18.5
11 27	2 56.68	+13 50.9	1.786	2.736	6.9	18.8
12 7	2 49.85	+13 35.8	1.842	2.734	10.7	19.0
12 17	2 45.22	+13 30.9	1.922	2.732	14.0	19.2

307471 2002 XB_{5} 11 12.0 21°.29 15°.2/12.7 17

10 8	3 46.02	−17 35.6	1.042	1.863	23.6	18.5
10 18	3 38.74	−17 14.6	1.017	1.884	20.4	18.3
10 28	3 28.15	−16 15.9	1.008	1.908	17.5	18.2
11 7	3 15.79	−14 33.9	1.019	1.934	15.5	18.2
11 17	3 3.49	−12 10.3	1.051	1.962	15.4	18.3
11 27	2 53.00	− 9 14.2	1.107	1.992	16.9	18.5
12 7	2 45.50	− 5 58.9	1.185	2.023	19.3	18.8
12 17	2 41.46	− 2 37.0	1.284	2.056	21.7	19.1

481054 2005 JV_{57} 11 12.0 218°.64 0°.5/12.4 18

10 8	3 34.93	+22 31.1	2.132	2.951	13.1	21.8
10 18	3 29.76	+21 48.2	2.045	2.945	10.0	21.5
10 28	3 22.56	+20 53.0	1.982	2.940	6.3	21.3
11 7	3 14.00	+19 47.6	1.947	2.933	2.3	21.0
11 17	3 5.01	+18 36.2	1.941	2.927	2.0	21.0
11 27	2 56.59	+17 24.4	1.966	2.920	6.0	21.3
12 7	2 49.64	+16 18.2	2.018	2.912	9.8	21.5
12 17	2 44.77	+15 22.6	2.096	2.905	13.0	21.7

395869 2013 AF_{21} 11 12.0 348°.89 5°.4/ 9.7 18

10 8	3 35.67	+ 5 26.0	1.502	2.356	15.8	20.3
10 18	3 30.90	+ 5 0.4	1.435	2.352	12.2	20.1
10 28	3 23.52	+ 4 38.7	1.390	2.348	8.3	19.8
11 7	3 14.38	+ 4 26.2	1.370	2.345	5.6	19.7
11 17	3 4.64	+ 4 27.2	1.375	2.342	6.6	19.7
11 27	2 55.64	+ 4 45.0	1.407	2.340	10.1	19.9
12 7	2 48.52	+ 5 20.2	1.463	2.339	14.0	20.2
12 17	2 44.03	+ 6 11.5	1.540	2.338	17.4	20.4

457983 2009 VD_{114} 11 12.0 323°.96 1°.8/13.5 17

10 8	3 32.55	+25 25.3	2.224	3.037	12.8	21.3
10 18	3 27.97	+25 6.4	2.139	3.033	9.9	21.1
10 28	3 21.44	+24 35.1	2.078	3.029	6.6	20.9
11 7	3 13.63	+23 52.3	2.044	3.025	3.1	20.7
11 17	3 5.38	+23 0.8	2.038	3.022	2.3	20.6
11 27	2 57.67	+22 4.9	2.062	3.019	5.6	20.8
12 7	2 51.35	+21 10.0	2.114	3.015	9.0	21.0
12 17	2 47.02	+20 20.9	2.191	3.012	12.1	21.2

275356 2011 AY_{29} 11 12.0 266°.02 1°.3/12.7 18

10 8	3 38.08	+22 30.8	1.560	2.392	16.5	21.4
10 18	3 33.05	+22 21.1	1.472	2.378	12.7	21.2
10 28	3 25.07	+21 57.9	1.406	2.364	8.3	20.9
11 7	3 14.98	+21 21.5	1.364	2.350	3.3	20.6
11 17	3 4.01	+20 34.9	1.350	2.335	2.7	20.5
11 27	2 53.68	+19 44.1	1.363	2.321	7.7	20.8
12 7	2 45.36	+18 56.3	1.402	2.306	12.5	21.0
12 17	2 39.94	+18 18.0	1.463	2.291	16.7	21.2

495180 2012 OS_{2} 11 12.0 58°.73 21°.2/11.8 17

10 8	3 53.56	−24 38.3	0.956	1.749	27.2	20.4
10 18	3 44.96	−25 19.0	0.928	1.761	24.7	20.3
10 28	3 32.27	−25 12.2	0.914	1.773	22.6	20.2
11 7	3 17.23	−24 5.6	0.915	1.786	21.3	20.2
11 17	3 2.11	−21 56.0	0.935	1.800	21.3	20.3
11 27	2 49.13	−18 51.8	0.974	1.813	22.6	20.4
12 7	2 39.76	−15 9.7	1.032	1.827	24.5	20.6
12 17	2 34.57	−11 8.0	1.107	1.841	26.6	20.8

116163 2003 WW_{181} 11 12.0 24°.95 1°.1/11.5 18

10 8	3 35.89	+15 53.9	1.587	2.433	15.5	19.4
10 18	3 30.98	+15 44.1	1.521	2.437	11.7	19.2
10 28	3 23.52	+15 28.3	1.477	2.441	7.2	18.9
11 7	3 14.37	+15 8.9	1.458	2.446	2.5	18.6
11 17	3 4.71	+14 49.1	1.467	2.451	2.9	18.7
11 27	2 55.82	+14 33.4	1.503	2.456	7.6	19.0
12 7	2 48.81	+14 25.6	1.564	2.462	11.9	19.2
12 17	2 44.39	+14 28.3	1.648	2.468	15.5	19.5

26926 1997 AC_9 11 12.0 14°.91 9°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.30	+39 8.5	1.340	2.130	20.8	18.6
10 18	3 32.44	+39 50.4	1.276	2.134	17.6	18.4
10 28	3 24.95	+40 3.6	1.229	2.140	14.1	18.2
11 7	3 14.95	+39 42.7	1.203	2.146	10.9	18.0
11 17	3 4.15	+38 47.2	1.199	2.153	9.3	18.0
11 27	2 54.53	+37 23.3	1.220	2.161	10.4	18.1
12 7	2 47.67	+35 43.1	1.263	2.170	13.3	18.3
12 17	2 44.41	+33 59.9	1.329	2.180	16.7	18.5

6505 Muzzio 11 12.0 279°.78 3°.5/15.2 18

10 8	3 33.58	+32 1.2	2.483	3.264	12.6	16.3
10 18	3 28.74	+31 39.1	2.379	3.246	10.1	16.1
10 28	3 21.94	+31 0.8	2.297	3.228	7.3	15.9
11 7	3 13.82	+30 6.0	2.242	3.210	4.6	15.7
11 17	3 5.22	+28 56.4	2.216	3.192	3.5	15.6
11 27	2 57.09	+27 36.4	2.221	3.173	5.6	15.7
12 7	2 50.29	+26 12.3	2.254	3.155	8.6	15.8
12 17	2 45.45	+24 50.5	2.314	3.136	11.5	16.0

57345 2001 QG_{275} 11 12.0 341°.97 3°.6/10.5 18

10 8	3 34.49	+11 34.6	1.238	2.105	17.7	19.1
10 18	3 30.60	+11 7.0	1.170	2.097	13.4	18.8
10 28	3 23.63	+10 36.1	1.122	2.089	8.5	18.5
11 7	3 14.49	+10 6.8	1.098	2.083	4.1	18.3
11 17	3 4.56	+ 9 44.8	1.098	2.077	5.2	18.3
11 27	2 55.45	+ 9 35.7	1.123	2.072	10.1	18.6
12 7	2 48.56	+ 9 43.0	1.170	2.068	15.0	18.9
12 17	2 44.75	+10 7.8	1.238	2.065	19.2	19.1

109951 2001 SF_{46} 11 12.0 89°.34 3°.1/13.7 18

10 8	3 39.52	+25 38.7	1.969	2.776	14.5	19.9
10 18	3 33.46	+26 12.3	1.896	2.784	11.3	19.7
10 28	3 24.98	+26 34.8	1.847	2.792	7.7	19.5
11 7	3 14.88	+26 44.5	1.824	2.800	4.2	19.3
11 17	3 4.21	+26 41.8	1.829	2.809	3.4	19.3
11 27	2 54.23	+26 29.3	1.864	2.817	6.4	19.5
12 7	2 45.98	+26 11.8	1.925	2.825	9.9	19.7
12 17	2 40.19	+25 54.3	2.012	2.832	13.1	19.9

88580 2001 QP_{258} 11 12.0 141°.17 0°.4/12.3 18

10 8	3 37.76	+21 31.4	1.741	2.569	15.2	20.3
10 18	3 32.18	+20 57.5	1.671	2.576	11.5	20.1
10 28	3 24.16	+20 11.1	1.623	2.582	7.2	19.8
11 7	3 14.57	+19 14.7	1.601	2.588	2.6	19.6
11 17	3 4.55	+18 12.7	1.609	2.594	2.3	19.6
11 27	2 55.34	+17 11.5	1.645	2.599	6.9	19.9
12 7	2 47.99	+16 17.5	1.707	2.604	11.1	20.1
12 17	2 43.14	+15 35.4	1.793	2.609	14.6	20.4

181842 1998 TF_{16} 11 12.0 93°.39 1°.2/12.7 18

10 8	3 41.06	+22 5.4	1.588	2.414	16.5	20.2
10 18	3 34.73	+21 59.7	1.531	2.434	12.5	20.0
10 28	3 25.74	+21 41.8	1.497	2.454	8.0	19.8
11 7	3 15.09	+21 13.0	1.488	2.474	3.2	19.5
11 17	3 4.09	+20 36.3	1.508	2.493	2.5	19.5
11 27	2 54.12	+19 57.2	1.555	2.511	7.1	19.9
12 7	2 46.30	+19 21.8	1.629	2.530	11.3	20.2
12 17	2 41.26	+18 54.9	1.726	2.548	14.8	20.4

489625 2007 TU_{323} 11 12.0 347°.43 3°.4/14.5 17

10 8	3 34.11	+28 48.4	2.408	3.203	12.5	21.5
10 18	3 29.14	+29 8.9	2.323	3.201	9.9	21.3
10 28	3 22.19	+29 17.6	2.262	3.199	7.1	21.1
11 7	3 13.92	+29 13.8	2.227	3.197	4.4	20.9
11 17	3 5.15	+28 57.7	2.220	3.195	3.5	20.9
11 27	2 56.86	+28 32.1	2.243	3.194	5.6	21.0
12 7	2 49.90	+28 1.1	2.293	3.193	8.5	21.2
12 17	2 44.91	+27 29.4	2.369	3.192	11.3	21.4

519519 2012 GR_{10} 11 12.0 144°.49 1°.5/10.7 18

10 8	3 32.01	+14 56.4	2.663	3.491	10.5	22.2
10 18	3 27.08	+14 13.2	2.590	3.498	7.8	22.0
10 28	3 20.67	+13 25.5	2.543	3.504	4.8	21.9
11 7	3 13.34	+12 36.0	2.525	3.511	1.9	21.7
11 17	3 5.76	+11 48.2	2.537	3.517	2.6	21.7
11 27	2 58.65	+11 5.8	2.580	3.522	5.6	21.9
12 7	2 52.65	+10 31.6	2.651	3.528	8.4	22.1
12 17	2 48.20	+10 7.9	2.747	3.533	10.9	22.3

89154 2001 UO_{38} 11 12.0 315°.30 0°.1/11.9 18

10 8	3 34.68	+18 55.2	1.915	2.748	13.8	20.4
10 18	3 29.78	+18 39.2	1.837	2.746	10.4	20.2
10 28	3 22.68	+18 14.9	1.782	2.743	6.5	19.9
11 7	3 14.09	+17 44.2	1.753	2.741	2.2	19.7
11 17	3 5.01	+17 10.0	1.753	2.738	2.2	19.7
11 27	2 56.52	+16 36.9	1.782	2.736	6.5	19.9
12 7	2 49.60	+16 9.2	1.838	2.734	10.5	20.2
12 17	2 44.91	+15 50.6	1.917	2.732	13.8	20.4

139497 2001 PC_{34} 11 12.1 182°.10 5°.4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.54	+35 28.5	2.262	3.025	14.2	20.1
10 18	3 32.67	+35 43.8	2.177	3.026	11.7	19.9
10 28	3 24.47	+35 41.6	2.113	3.026	8.9	19.7
11 7	3 14.71	+35 19.8	2.075	3.026	6.4	19.6
11 17	3 4.42	+34 38.7	2.065	3.025	5.4	19.5
11 27	2 54.77	+33 41.9	2.083	3.024	6.8	19.6
12 7	2 46.80	+32 35.7	2.130	3.023	9.4	19.8
12 17	2 41.18	+31 27.0	2.201	3.022	12.1	19.9

478526 2012 SU_{60} 11 12.1 58°.93 1°.0/11.5 16

10 8	3 38.16	+17 30.5	1.381	2.230	17.3	21.6
10 18	3 32.72	+17 2.0	1.334	2.251	12.9	21.3
10 28	3 24.54	+16 24.5	1.307	2.272	7.9	21.1
11 7	3 14.70	+15 41.6	1.306	2.294	2.7	20.9
11 17	3 4.56	+14 58.7	1.331	2.315	3.1	21.0
11 27	2 55.56	+14 21.6	1.383	2.337	8.0	21.3
12 7	2 48.77	+13 55.4	1.460	2.359	12.5	21.6
12 17	2 44.82	+13 43.2	1.558	2.381	16.1	21.9

324271 2006 BG_{278} 11 12.1 280°.45 2°.1/13.5 17

10 8	3 34.12	+25 19.8	2.224	3.035	12.9	21.4
10 18	3 29.22	+25 16.4	2.137	3.029	10.0	21.2
10 28	3 22.28	+25 1.6	2.074	3.023	6.7	21.0
11 7	3 13.98	+24 35.6	2.037	3.017	3.3	20.8
11 17	3 5.17	+24 0.1	2.029	3.011	2.5	20.7
11 27	2 56.87	+23 18.8	2.050	3.006	5.7	20.9
12 7	2 49.97	+22 36.8	2.099	3.000	9.1	21.1
12 17	2 45.12	+21 58.6	2.173	2.994	12.2	21.3

479411 2013 YU_{60} 11 12.1 324°.18 3°.7/10.5 18

10 8	3 37.18	+10 6.3	1.401	2.257	16.7	21.2
10 18	3 32.33	+ 9 47.3	1.329	2.250	12.7	20.9
10 28	3 24.59	+ 9 27.4	1.279	2.243	8.2	20.7
11 7	3 14.84	+ 9 10.9	1.253	2.237	4.2	20.4
11 17	3 4.34	+ 9 2.2	1.254	2.231	5.2	20.5
11 27	2 54.59	+ 9 5.6	1.280	2.225	9.6	20.7
12 7	2 46.90	+ 9 23.6	1.331	2.220	14.1	21.0
12 17	2 42.10	+ 9 56.6	1.402	2.216	18.1	21.2

15554 2000 FH_{46} 11 12.1 40°.28 4°.8/10.1 18

10 8	3 37.53	+ 8 12.6	1.269	2.130	17.7	17.2
10 18	3 32.48	+ 7 42.2	1.219	2.141	13.4	17.0
10 28	3 24.54	+ 7 13.4	1.190	2.153	8.8	16.7
11 7	3 14.75	+ 6 51.7	1.184	2.165	5.1	16.6
11 17	3 4.53	+ 6 42.1	1.204	2.178	6.2	16.7
11 27	2 55.37	+ 6 48.5	1.250	2.191	10.3	16.9
12 7	2 48.48	+ 7 12.0	1.319	2.204	14.5	17.2
12 17	2 44.54	+ 7 51.6	1.407	2.219	18.1	17.5

144371 2004 DJ_{49} 11 12.1 348°.30 2°.5/13.5 18

10 8	3 36.24	+25 8.5	1.823	2.642	15.0	19.8
10 18	3 31.21	+25 15.7	1.745	2.641	11.7	19.6
10 28	3 23.69	+25 10.0	1.689	2.640	7.8	19.4
11 7	3 14.50	+24 51.2	1.658	2.639	3.9	19.2
11 17	3 4.71	+24 21.1	1.655	2.638	3.0	19.1
11 27	2 55.58	+23 43.8	1.681	2.637	6.6	19.3
12 7	2 48.22	+23 5.2	1.733	2.637	10.5	19.6
12 17	2 43.34	+22 30.9	1.808	2.637	14.0	19.8

55410 2001 TB_4 11 12.1 184°.06 0°.5/12.4 18

10 8	3 38.46	+21 2.7	2.001	2.820	13.8	19.9
10 18	3 32.54	+20 43.4	1.920	2.821	10.5	19.7
10 28	3 24.36	+20 13.9	1.863	2.821	6.6	19.5
11 7	3 14.69	+19 35.6	1.834	2.820	2.4	19.2
11 17	3 4.54	+18 51.5	1.834	2.819	2.1	19.2
11 27	2 55.02	+18 6.5	1.863	2.817	6.3	19.5
12 7	2 47.13	+17 25.6	1.920	2.814	10.2	19.7
12 17	2 41.53	+16 53.3	2.002	2.811	13.6	19.9

171691 2000 SG_{49} 11 12.1 65°.08 1°.4/12.8 18

10 8	3 39.84	+23 26.0	1.210	2.054	19.5	20.2
10 18	3 34.44	+22 59.4	1.161	2.073	14.8	19.9
10 28	3 25.80	+22 15.4	1.132	2.093	9.5	19.7
11 7	3 15.17	+21 16.7	1.126	2.112	3.7	19.4
11 17	3 4.18	+20 9.1	1.146	2.131	2.8	19.4
11 27	2 54.53	+19 1.6	1.192	2.151	8.3	19.8
12 7	2 47.51	+18 3.0	1.262	2.170	13.2	20.2
12 17	2 43.75	+17 19.3	1.353	2.190	17.3	20.5

239714 2009 AY_{45} 11 12.1 85°.94 2°.4/10.1 17

10 8	3 30.85	+10 39.5	2.648	3.483	10.4	20.7
10 18	3 26.27	+10 7.3	2.575	3.485	7.8	20.5
10 28	3 20.21	+ 9 33.7	2.528	3.488	4.9	20.3
11 7	3 13.24	+ 9 1.6	2.509	3.491	2.6	20.2
11 17	3 5.97	+ 8 33.9	2.520	3.493	3.3	20.3
11 27	2 59.14	+ 8 13.5	2.560	3.496	6.0	20.4
12 7	2 53.36	+ 8 2.5	2.628	3.499	8.7	20.6
12 17	2 49.10	+ 8 2.0	2.721	3.501	11.2	20.8

422218 2014 RE_{61} 11 12.1 42°.31 3°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.78	+ 9 43.4	1.930	2.775	13.3	20.2
10 18	3 28.86	+ 9 17.2	1.871	2.786	9.9	20.0
10 28	3 21.97	+ 8 50.7	1.836	2.797	6.4	19.8
11 7	3 13.85	+ 8 27.3	1.827	2.809	3.5	19.7
11 17	3 5.41	+ 8 10.7	1.847	2.821	4.3	19.8
11 27	2 57.64	+ 8 4.0	1.895	2.833	7.5	20.0
12 7	2 51.36	+ 8 9.1	1.969	2.846	10.9	20.2
12 17	2 47.15	+ 8 26.4	2.066	2.859	13.8	20.4

404547 2013 JL_{30} 11 12.1 283°.56 0°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.23	+23 6.2	2.014	2.838	13.6	20.8
10 18	3 28.68	+22 16.0	1.925	2.827	10.4	20.5
10 28	3 22.00	+21 11.7	1.859	2.817	6.6	20.3
11 7	3 13.91	+19 55.9	1.820	2.806	2.4	20.0
11 17	3 5.32	+18 33.2	1.810	2.795	2.1	20.0
11 27	2 57.31	+17 10.0	1.830	2.785	6.3	20.2
12 7	2 50.80	+15 53.3	1.877	2.774	10.2	20.4
12 17	2 46.42	+14 48.6	1.949	2.764	13.7	20.6

215240 2001 DY_{29} 11 12.1 273°.40 8°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.31	− 1 42.4	1.850	2.689	14.0	20.1
10 18	3 29.56	− 3 4.5	1.773	2.671	11.4	19.9
10 28	3 22.61	− 4 20.8	1.720	2.653	9.1	19.7
11 7	3 14.15	− 5 23.2	1.692	2.635	8.3	19.6
11 17	3 5.10	− 6 5.1	1.691	2.617	9.5	19.7
11 27	2 56.55	− 6 21.6	1.715	2.598	12.0	19.8
12 7	2 49.48	− 6 11.5	1.762	2.579	14.8	19.9
12 17	2 44.59	− 5 36.6	1.829	2.560	17.5	20.1

112245 2002 LK_{5} 11 12.1 45°.51 5°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.23	+10 2.0	1.321	2.182	17.2	18.6
10 18	3 31.02	+ 8 38.6	1.292	2.215	12.8	18.4
10 28	3 23.31	+ 7 15.0	1.286	2.249	8.3	18.3
11 7	3 14.26	+ 5 59.6	1.304	2.283	5.2	18.2
11 17	3 5.16	+ 4 59.5	1.349	2.317	6.4	18.4
11 27	2 57.28	+ 4 20.4	1.419	2.352	10.1	18.7
12 7	2 51.55	+ 4 3.9	1.513	2.387	13.7	19.0
12 17	2 48.43	+ 4 8.9	1.628	2.422	16.8	19.3

496422 2014 DR_{110} 11 12.1 47°.56 20°.0/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.23	−12 16.5	0.888	1.752	23.3	20.4
10 18	3 31.51	−16 9.4	0.869	1.758	21.0	20.3
10 28	3 24.21	−19 28.5	0.868	1.764	20.0	20.2
11 7	3 14.70	−21 52.7	0.885	1.771	20.5	20.3
11 17	3 4.75	−23 9.8	0.919	1.778	22.1	20.4
11 27	2 56.23	−23 18.9	0.969	1.786	24.3	20.6
12 7	2 50.52	−22 28.8	1.031	1.794	26.5	20.8
12 17	2 48.26	−20 52.5	1.103	1.802	28.5	21.0

403507 2009 VY_{91} 11 12.1 40°.56 5°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.78	+ 3 28.3	1.811	2.654	14.1	20.0
10 18	3 30.36	+ 3 8.8	1.762	2.671	10.8	19.8
10 28	3 22.88	+ 2 55.1	1.736	2.689	7.5	19.7
11 7	3 14.17	+ 2 51.1	1.737	2.707	5.3	19.6
11 17	3 5.20	+ 2 59.7	1.765	2.725	6.1	19.7
11 27	2 57.01	+ 3 22.8	1.820	2.744	8.9	19.9
12 7	2 50.45	+ 4 0.0	1.901	2.764	11.9	20.1
12 17	2 46.06	+ 4 49.9	2.005	2.783	14.6	20.4

402165 2004 RY_{265} 11 12.1 38°.49 1°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.06	+15 14.5	1.707	2.553	14.6	20.8
10 18	3 29.32	+14 49.7	1.652	2.568	10.9	20.6
10 28	3 22.35	+14 19.5	1.619	2.584	6.7	20.4
11 7	3 14.02	+13 47.2	1.613	2.600	2.5	20.2
11 17	3 5.36	+13 16.6	1.634	2.616	3.1	20.3
11 27	2 57.50	+12 52.3	1.683	2.634	7.2	20.6
12 7	2 51.36	+12 37.7	1.758	2.651	11.0	20.8
12 17	2 47.52	+12 34.8	1.855	2.669	14.3	21.1

158323 2001 VB_{95} 11 12.1 240°.83 7°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.44	+ 1 15.7	1.750	2.594	14.4	19.8
10 18	3 30.42	+ 0 0.2	1.681	2.587	11.5	19.6
10 28	3 23.13	− 1 10.8	1.636	2.580	8.7	19.4
11 7	3 14.33	− 2 9.7	1.616	2.572	7.4	19.3
11 17	3 5.02	− 2 50.0	1.624	2.565	8.5	19.4
11 27	2 56.34	− 3 7.1	1.657	2.557	11.3	19.5
12 7	2 49.28	− 2 59.7	1.714	2.549	14.4	19.7
12 17	2 44.50	− 2 29.4	1.791	2.540	17.2	19.9

68798 2002 GX_{15} 11 12.1 112°.89 1°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.92	+14 52.0	1.867	2.703	14.0	19.9
10 18	3 31.29	+14 14.6	1.805	2.716	10.4	19.7
10 28	3 23.52	+13 31.7	1.766	2.729	6.4	19.5
11 7	3 14.42	+12 46.7	1.755	2.741	2.5	19.3
11 17	3 4.98	+12 4.1	1.773	2.753	3.3	19.4
11 27	2 56.32	+11 28.6	1.819	2.765	7.2	19.6
12 7	2 49.31	+11 3.8	1.892	2.776	10.9	19.9
12 17	2 44.54	+10 52.1	1.988	2.787	14.0	20.1

443700 2015 KB_{110} 11 12.1 320°.00 4°.7/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.75	+ 8 49.0	1.449	2.305	16.2	20.6
10 18	3 31.13	+ 8 4.8	1.379	2.299	12.3	20.3
10 28	3 23.79	+ 7 19.5	1.331	2.294	8.1	20.1
11 7	3 14.60	+ 6 39.0	1.308	2.288	4.9	19.9
11 17	3 4.76	+ 6 9.2	1.311	2.283	6.1	20.0
11 27	2 55.67	+ 5 55.4	1.340	2.278	10.1	20.2
12 7	2 48.52	+ 6 0.4	1.393	2.273	14.3	20.4
12 17	2 44.09	+ 6 24.3	1.466	2.269	18.0	20.6

491733 2012 VQ_{10} 11 12.1 346°.77 0°.8/12.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 29.38	+21 37.0	2.292	3.120	12.0	21.2
10 18	3 25.61	+21 25.2	2.206	3.110	9.2	21.0
10 28	3 20.05	+21 4.6	2.143	3.101	5.8	20.8
11 7	3 13.28	+20 36.4	2.107	3.093	2.3	20.5
11 17	3 6.06	+20 3.0	2.100	3.085	1.8	20.5
11 27	2 59.28	+19 28.0	2.121	3.078	5.4	20.7
12 7	2 53.72	+18 55.4	2.170	3.072	8.8	20.9
12 17	2 49.96	+18 28.9	2.244	3.066	11.8	21.1

19695 Billnye 11 12.1 198°.65 2°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.81	+11 42.0	1.667	2.507	15.2	18.0
10 18	3 33.90	+11 17.6	1.593	2.506	11.5	17.8
10 28	3 25.40	+10 50.4	1.541	2.503	7.3	17.6
11 7	3 15.15	+10 23.8	1.516	2.500	3.4	17.3
11 17	3 4.29	+10 2.1	1.519	2.497	4.3	17.4
11 27	2 54.14	+ 9 49.5	1.550	2.493	8.5	17.6
12 7	2 45.84	+ 9 49.1	1.607	2.489	12.6	17.9
12 17	2 40.14	+10 2.5	1.686	2.484	16.2	18.1

301684 2010 FM_{83} 11 12.1 146°.28 1°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.22	+14 43.8	2.052	2.883	13.1	21.2
10 18	3 31.44	+14 23.1	1.982	2.890	9.8	21.0
10 28	3 23.61	+13 57.8	1.935	2.897	6.1	20.8
11 7	3 14.48	+13 30.4	1.917	2.903	2.3	20.6
11 17	3 4.96	+13 4.2	1.927	2.909	2.8	20.6
11 27	2 56.08	+12 42.7	1.968	2.915	6.6	20.9
12 7	2 48.71	+12 29.1	2.035	2.920	10.2	21.1
12 17	2 43.45	+12 25.7	2.127	2.924	13.3	21.3

421811 2014 QO_{42} 11 12.1 299°.60 0°.1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.78	+19 52.9	2.078	2.908	13.0	21.2
10 18	3 28.29	+19 23.5	1.992	2.899	9.8	20.9
10 28	3 21.77	+18 44.6	1.930	2.890	6.2	20.7
11 7	3 13.88	+17 58.3	1.894	2.881	2.1	20.4
11 17	3 5.51	+17 8.2	1.888	2.873	2.1	20.4
11 27	2 57.64	+16 19.1	1.910	2.864	6.2	20.7
12 7	2 51.18	+15 35.9	1.960	2.856	9.9	20.9
12 17	2 46.75	+15 2.6	2.034	2.847	13.2	21.1

290056 2005 QH_{57} 11 12.1 60°.57 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.57	+21 1.7	1.328	2.172	18.2	21.0
10 18	3 34.03	+20 51.2	1.279	2.191	13.7	20.8
10 28	3 25.51	+20 27.9	1.249	2.211	8.6	20.6
11 7	3 15.15	+19 53.9	1.244	2.231	3.2	20.3
11 17	3 4.41	+19 13.4	1.265	2.251	2.6	20.4
11 27	2 54.86	+18 32.8	1.313	2.271	7.8	20.7
12 7	2 47.69	+17 58.6	1.386	2.291	12.5	21.1
12 17	2 43.58	+17 35.7	1.480	2.312	16.3	21.4

517967 2015 TY_{365} 11 12.1 112°.15 9°.6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.73	−13 54.7	2.386	3.176	12.7	20.9
10 18	3 29.91	−14 49.3	2.344	3.188	11.1	20.8
10 28	3 22.46	−15 28.2	2.326	3.200	9.9	20.7
11 7	3 14.04	−15 46.5	2.332	3.212	9.6	20.7
11 17	3 5.44	−15 40.8	2.364	3.223	10.2	20.8
11 27	2 57.47	−15 10.4	2.420	3.234	11.5	20.9
12 7	2 50.81	−14 17.5	2.500	3.245	13.0	21.0
12 17	2 45.94	−13 5.5	2.600	3.255	14.5	21.2

405492 2004 XE_{104} 11 12.1 324°.63 3°.3/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.55	+ 9 17.2	1.738	2.587	14.3	20.4
10 18	3 30.10	+ 9 13.2	1.645	2.562	10.9	20.1
10 28	3 23.19	+ 9 10.1	1.575	2.538	7.1	19.8
11 7	3 14.47	+ 9 11.0	1.531	2.514	3.7	19.6
11 17	3 4.92	+ 9 19.0	1.514	2.491	4.5	19.6
11 27	2 55.77	+ 9 36.8	1.524	2.468	8.5	19.8
12 7	2 48.16	+10 6.4	1.560	2.447	12.6	20.0
12 17	2 42.94	+10 48.3	1.618	2.426	16.3	20.1

252639 2001 XM_{230} 11 12.1 38°.67 3°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.70	+28 59.9	1.675	2.490	16.3	19.7
10 18	3 30.10	+28 38.7	1.611	2.502	12.7	19.5
10 28	3 22.99	+27 58.8	1.568	2.514	8.7	19.3
11 7	3 14.30	+27 1.1	1.550	2.527	4.8	19.1
11 17	3 5.23	+25 49.4	1.559	2.540	3.5	19.0
11 27	2 57.06	+24 30.8	1.595	2.554	6.7	19.3
12 7	2 50.83	+23 13.4	1.659	2.568	10.6	19.5
12 17	2 47.17	+22 4.3	1.746	2.582	14.0	19.8

445330 2010 JM_{15} 11 12.1 118°.92 5°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.62	+ 1 37.3	2.143	2.967	12.8	20.7
10 18	3 32.95	+ 1 14.0	2.088	2.985	10.0	20.5
10 28	3 24.40	+ 0 56.8	2.057	3.001	7.2	20.4
11 7	3 14.73	+ 0 49.4	2.055	3.017	5.4	20.3
11 17	3 4.82	+ 0 54.7	2.081	3.033	6.1	20.4
11 27	2 55.62	+ 1 14.3	2.137	3.048	8.5	20.6
12 7	2 47.92	+ 1 48.1	2.219	3.062	11.2	20.8
12 17	2 42.23	+ 2 34.6	2.325	3.076	13.7	21.0

517545 2014 SL_{290} 11 12.1 96°.66 6°.0/ 6.8 18

10 8	3 32.31	+ 1 46.1	2.320	3.156	11.6	21.6
10 18	3 27.41	+ 0 15.8	2.271	3.172	9.1	21.5
10 28	3 20.95	− 1 10.2	2.248	3.188	6.9	21.4
11 7	3 13.56	− 2 26.0	2.253	3.204	6.0	21.4
11 17	3 5.98	− 3 26.3	2.287	3.219	6.9	21.5
11 27	2 58.98	− 4 7.6	2.348	3.234	9.0	21.6
12 7	2 53.21	− 4 28.6	2.434	3.249	11.3	21.8
12 17	2 49.13	− 4 30.2	2.543	3.264	13.3	22.0

365359 2009 SL_{334} 11 12.1 65°.41 0°.7/12.6 18

10 8	3 33.14	+23 14.1	2.118	2.939	13.1	20.1
10 18	3 28.40	+22 28.1	2.045	2.946	10.0	19.9
10 28	3 21.74	+21 29.9	1.997	2.954	6.3	19.7
11 7	3 13.88	+20 22.0	1.976	2.961	2.4	19.5
11 17	3 5.71	+19 8.7	1.984	2.969	1.9	19.5
11 27	2 58.20	+17 55.9	2.021	2.977	5.8	19.8
12 7	2 52.14	+16 49.2	2.087	2.985	9.3	20.0
12 17	2 48.08	+15 53.2	2.178	2.993	12.4	20.2

19045 6593 P–L 11 12.1 120°.64 2°.0/11.0 18

10 8	3 40.97	+15 6.4	1.595	2.433	15.9	19.1
10 18	3 34.62	+14 27.1	1.538	2.449	11.9	18.9
10 28	3 25.73	+13 41.2	1.503	2.465	7.3	18.7
11 7	3 15.26	+12 52.8	1.494	2.481	2.9	18.4
11 17	3 4.45	+12 6.9	1.514	2.495	3.6	18.5
11 27	2 54.61	+11 29.2	1.562	2.509	8.0	18.8
12 7	2 46.81	+11 4.0	1.636	2.522	12.2	19.1
12 17	2 41.66	+10 53.5	1.733	2.535	15.6	19.4

438501 2007 QY_3 11 12.1 78°.55 1°.7/13.2 16

10 8	3 39.79	+24 32.3	1.743	2.561	15.6	21.3
10 18	3 33.55	+24 13.3	1.692	2.589	11.9	21.1
10 28	3 24.96	+23 40.6	1.663	2.617	7.7	20.9
11 7	3 14.97	+22 55.8	1.661	2.644	3.4	20.7
11 17	3 4.77	+22 2.5	1.687	2.671	2.4	20.7
11 27	2 55.60	+21 6.7	1.742	2.698	6.4	21.1
12 7	2 48.40	+20 14.7	1.824	2.725	10.3	21.3
12 17	2 43.73	+19 31.6	1.930	2.751	13.5	21.6

317894 2003 UP_{188} 11 12.1 75°.07 5°.2/15.5 18

10 8	3 40.28	+32 57.5	2.293	3.063	13.8	20.0
10 18	3 33.97	+33 48.8	2.223	3.077	11.2	19.9
10 28	3 25.35	+34 25.8	2.174	3.091	8.5	19.7
11 7	3 15.18	+34 45.9	2.153	3.105	6.1	19.6
11 17	3 4.48	+34 48.3	2.159	3.119	5.3	19.6
11 27	2 54.39	+34 35.0	2.194	3.132	6.7	19.7
12 7	2 45.93	+34 10.6	2.257	3.146	9.1	19.9
12 17	2 39.81	+33 41.0	2.345	3.160	11.6	20.1

474978 2005 TC_{87} 11 12.1 11°.04 0°.2/12.1 16

10 8	3 32.40	+19 3.6	1.027	1.901	20.0	20.8
10 18	3 29.50	+18 51.1	0.974	1.903	15.1	20.5
10 28	3 23.16	+18 25.6	0.939	1.908	9.5	20.2
11 7	3 14.51	+17 50.5	0.926	1.914	3.2	19.9
11 17	3 5.17	+17 11.1	0.936	1.922	3.1	19.9
11 27	2 56.97	+16 35.2	0.969	1.931	9.2	20.3
12 7	2 51.36	+16 9.8	1.025	1.942	14.6	20.6
12 17	2 49.12	+15 59.3	1.099	1.954	19.1	20.9

304234 2006 RY_4 11 12.1 79°.51 3°.1/14.3 18

10 8	3 36.54	+28 27.8	1.862	2.669	15.2	20.0
10 18	3 31.33	+28 15.2	1.792	2.678	11.9	19.8
10 28	3 23.73	+27 46.0	1.743	2.688	8.2	19.6
11 7	3 14.61	+27 0.8	1.720	2.697	4.5	19.4
11 17	3 5.08	+26 2.3	1.726	2.706	3.3	19.4
11 27	2 56.35	+24 56.2	1.759	2.716	6.4	19.6
12 7	2 49.42	+23 49.6	1.820	2.725	10.0	19.8
12 17	2 44.94	+22 49.0	1.906	2.734	13.4	20.1

442986 2013 CK_{165} 11 12.1 345°.84 3°.1/10.1 18

10 8	3 33.67	+11 52.8	1.851	2.697	13.7	21.0
10 18	3 29.03	+11 3.5	1.780	2.696	10.3	20.8
10 28	3 22.27	+10 10.3	1.732	2.695	6.5	20.5
11 7	3 14.12	+ 9 17.8	1.711	2.694	3.4	20.3
11 17	3 5.53	+ 8 31.1	1.718	2.693	4.4	20.4
11 27	2 57.57	+ 7 55.2	1.754	2.693	8.0	20.6
12 7	2 51.14	+ 7 33.5	1.815	2.692	11.6	20.9
12 17	2 46.86	+ 7 27.7	1.898	2.692	14.8	21.1

217717 1999 VC_{81} 11 12.1 61°.85 4°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.46	+31 2.2	2.061	2.853	14.5	19.8
10 18	3 31.18	+31 16.0	1.989	2.862	11.6	19.6
10 28	3 23.63	+31 14.1	1.939	2.872	8.4	19.4
11 7	3 14.59	+30 55.4	1.915	2.881	5.4	19.2
11 17	3 5.09	+30 21.1	1.918	2.891	4.3	19.2
11 27	2 56.30	+29 35.1	1.950	2.901	6.4	19.4
12 7	2 49.19	+28 43.4	2.009	2.911	9.4	19.6
12 17	2 44.41	+27 52.2	2.093	2.921	12.4	19.8

484149 2006 TW_{85} 11 12.1 18°.83 1°.2/12.9 17

10 8	3 31.53	+24 0.1	1.303	2.153	18.0	20.6
10 18	3 28.20	+23 21.9	1.247	2.163	13.7	20.3
10 28	3 22.03	+22 25.9	1.212	2.174	8.8	20.1
11 7	3 14.06	+21 15.4	1.200	2.186	3.5	19.8
11 17	3 5.65	+19 56.9	1.214	2.200	2.6	19.8
11 27	2 58.27	+18 39.4	1.254	2.215	7.7	20.2
12 7	2 53.05	+17 31.4	1.317	2.231	12.4	20.5
12 17	2 50.65	+16 38.9	1.403	2.248	16.3	20.8

230632 2003 MO_3 11 12.1 117°.54 3°.7/ 9.9 18

10 8	3 38.74	+ 8 10.1	2.018	2.850	13.2	20.4
10 18	3 32.43	+ 7 34.7	1.962	2.869	10.0	20.2
10 28	3 24.17	+ 7 0.0	1.931	2.888	6.5	20.0
11 7	3 14.73	+ 6 29.8	1.928	2.905	3.9	19.9
11 17	3 5.04	+ 6 7.9	1.954	2.923	4.8	20.0
11 27	2 56.09	+ 5 57.4	2.009	2.939	7.8	20.2
12 7	2 48.71	+ 6 0.0	2.091	2.955	10.9	20.4
12 17	2 43.44	+ 6 15.8	2.197	2.970	13.7	20.7

19887 1279 T-$_2$ 11 12.1 14°.16 1°.2/11.6 18

10 8	3 33.86	+17 29.5	0.991	1.867	20.4	17.9
10 18	3 30.66	+17 3.7	0.939	1.870	15.4	17.7
10 28	3 23.91	+16 26.2	0.905	1.875	9.5	17.4
11 7	3 14.79	+15 41.3	0.892	1.880	3.3	17.0
11 17	3 4.97	+14 55.8	0.903	1.888	3.8	17.1
11 27	2 56.36	+14 18.0	0.937	1.896	9.9	17.5
12 7	2 50.43	+13 54.6	0.992	1.906	15.3	17.8
12 17	2 47.99	+13 49.2	1.066	1.917	19.9	18.1

263937 2009 HP_{54} 11 12.1 74°.07 5°.7/ 9.7 15

10 8	3 40.83	+ 6 50.4	1.310	2.164	17.7	20.9
10 18	3 34.72	+ 6 1.7	1.269	2.187	13.4	20.7
10 28	3 25.83	+ 5 16.1	1.250	2.209	9.0	20.5
11 7	3 15.31	+ 4 40.0	1.255	2.232	5.8	20.4
11 17	3 4.55	+ 4 18.9	1.287	2.254	6.9	20.5
11 27	2 55.00	+ 4 16.8	1.344	2.276	10.6	20.8
12 7	2 47.76	+ 4 34.2	1.425	2.298	14.5	21.1
12 17	2 43.42	+ 5 9.5	1.526	2.320	17.8	21.4

304174 2006 PQ_{43} 11 12.1 48°.38 1°.4/11.3 18

10 8	3 34.83	+16 28.7	1.673	2.518	15.0	20.8
10 18	3 30.05	+15 53.9	1.612	2.528	11.2	20.5
10 28	3 22.94	+15 11.8	1.574	2.538	6.9	20.3
11 7	3 14.36	+14 25.8	1.561	2.548	2.5	20.1
11 17	3 5.39	+13 40.7	1.576	2.559	3.0	20.1
11 27	2 57.22	+13 1.8	1.619	2.570	7.4	20.4
12 7	2 50.82	+12 33.6	1.687	2.581	11.4	20.7
12 17	2 46.80	+12 18.8	1.779	2.592	14.8	20.9

485315 2011 BT_{17} 11 12.1 357°.57 5°.7/ 8.4 18

10 8	3 32.45	+ 2 59.0	2.024	2.867	12.8	21.0
10 18	3 27.91	+ 2 8.9	1.958	2.866	9.9	20.8
10 28	3 21.49	+ 1 22.8	1.916	2.865	7.2	20.6
11 7	3 13.86	+ 0 45.8	1.901	2.865	5.7	20.5
11 17	3 5.85	+ 0 22.5	1.913	2.864	6.6	20.6
11 27	2 58.39	+ 0 16.1	1.953	2.864	9.2	20.8
12 7	2 52.29	+ 0 27.7	2.017	2.865	12.0	20.9
12 17	2 48.12	+ 0 56.4	2.103	2.865	14.6	21.1

173039 2006 QW_{80} 11 12.1 32°.11 0°.6/12.4 18

10 8	3 35.55	+20 35.8	1.670	2.506	15.4	20.3
10 18	3 30.75	+20 25.0	1.602	2.511	11.7	20.0
10 28	3 23.47	+20 3.7	1.556	2.516	7.4	19.8
11 7	3 14.57	+19 33.6	1.535	2.522	2.7	19.5
11 17	3 5.17	+18 58.0	1.542	2.528	2.3	19.5
11 27	2 56.53	+18 21.8	1.577	2.534	6.9	19.8
12 7	2 49.71	+17 50.4	1.638	2.541	11.1	20.1
12 17	2 45.41	+17 28.2	1.721	2.547	14.7	20.3

237913 2002 PC_{89} 11 12.1 97°.60 4°.4/ 8.8 18

10 8	3 34.10	+10 17.5	1.827	2.673	13.8	20.2
10 18	3 29.24	+ 8 48.3	1.766	2.682	10.4	20.0
10 28	3 22.33	+ 7 15.7	1.730	2.690	6.8	19.8
11 7	3 14.14	+ 5 46.4	1.721	2.698	4.4	19.7
11 17	3 5.64	+ 4 27.4	1.741	2.706	5.7	19.8
11 27	2 57.86	+ 3 25.0	1.789	2.714	8.9	20.0
12 7	2 51.66	+ 2 42.8	1.862	2.722	12.3	20.3
12 17	2 47.59	+ 2 21.7	1.957	2.730	15.2	20.5

140289 2001 SW_{289} 11 12.1 75°.77 2°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.52	+27 8.9	1.890	2.700	14.9	19.4
10 18	3 31.18	+26 49.5	1.826	2.716	11.5	19.2
10 28	3 23.57	+26 14.8	1.784	2.732	7.7	19.0
11 7	3 14.57	+25 25.9	1.768	2.747	3.9	18.8
11 17	3 5.24	+24 26.0	1.780	2.763	2.8	18.8
11 27	2 56.75	+23 21.0	1.822	2.779	6.1	19.0
12 7	2 50.02	+22 17.4	1.891	2.794	9.8	19.3
12 17	2 45.65	+21 21.1	1.984	2.810	13.0	19.5

479408 2013 YQ_{49} 11 12.1 262°.17 1°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.17	+17 4.2	1.711	2.549	15.0	22.1
10 18	3 32.11	+16 37.2	1.623	2.534	11.4	21.9
10 28	3 24.46	+16 1.6	1.557	2.520	7.1	21.6
11 7	3 14.99	+15 20.0	1.517	2.505	2.5	21.3
11 17	3 4.76	+14 36.3	1.506	2.490	2.9	21.3
11 27	2 55.09	+13 56.2	1.522	2.474	7.7	21.5
12 7	2 47.15	+13 25.1	1.565	2.458	12.2	21.8
12 17	2 41.76	+13 6.8	1.630	2.442	16.0	22.0

39418 1204 T-$_2$ 11 12.1 167°.38 1°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.43	+21 21.7	1.636	2.462	16.1	19.3
10 18	3 35.31	+21 19.5	1.563	2.465	12.3	19.1
10 28	3 26.41	+21 6.2	1.511	2.468	7.9	18.8
11 7	3 15.62	+20 42.3	1.485	2.471	3.1	18.5
11 17	3 4.21	+20 10.4	1.488	2.473	2.5	18.5
11 27	2 53.62	+19 35.4	1.518	2.474	7.2	18.8
12 7	2 45.05	+19 3.4	1.576	2.475	11.7	19.1
12 17	2 39.29	+18 39.4	1.656	2.476	15.4	19.3

187034 2005 GG_{74} 11 12.1 263°.17 7°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.79	+12 59.1	1.153	2.020	18.8	19.6
10 18	3 32.54	+10 6.6	1.083	2.010	14.2	19.3
10 28	3 25.00	+ 6 55.3	1.035	2.000	9.5	19.0
11 7	3 15.21	+ 3 40.6	1.013	1.989	7.0	18.8
11 17	3 4.67	+ 0 41.4	1.018	1.979	9.5	18.9
11 27	2 55.10	− 1 44.5	1.049	1.968	14.3	19.2
12 7	2 47.93	− 3 27.3	1.101	1.957	19.1	19.4
12 17	2 44.01	− 4 25.9	1.170	1.946	23.1	19.7

447954 2008 BB_{11} 11 12.1 328°.10 4°.7/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.78	+31 31.9	1.747	2.548	16.2	21.1
10 18	3 31.23	+31 38.2	1.663	2.542	13.1	20.9
10 28	3 23.97	+31 25.5	1.601	2.537	9.5	20.7
11 7	3 14.83	+30 52.2	1.563	2.531	6.1	20.5
11 17	3 5.00	+29 59.5	1.551	2.526	4.8	20.4
11 27	2 55.89	+28 52.7	1.567	2.521	7.3	20.5
12 7	2 48.70	+27 39.9	1.609	2.516	10.9	20.7
12 17	2 44.21	+26 29.2	1.674	2.512	14.5	20.9

108711 2001 OE_{22} 11 12.1 19°.84 4°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.44	+26 26.5	1.111	1.959	20.6	18.5
10 18	3 32.62	+27 1.3	1.057	1.967	16.2	18.3
10 28	3 25.18	+27 17.3	1.021	1.976	11.1	18.0
11 7	3 15.29	+27 12.5	1.007	1.986	6.2	17.8
11 17	3 4.64	+26 48.0	1.016	1.997	4.8	17.7
11 27	2 55.19	+26 10.4	1.049	2.010	8.8	18.0
12 7	2 48.50	+25 28.8	1.105	2.024	13.6	18.3
12 17	2 45.39	+24 51.8	1.181	2.039	17.9	18.6

255541 2006 HV_{111} 11 12.1 126°.18 3°.5/10.1 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.52	+12 1.8	1.645	2.484	15.4	22.1
10 18	3 34.19	+11 1.3	1.589	2.501	11.5	21.9
10 28	3 25.45	+ 9 56.8	1.556	2.517	7.3	21.7
11 7	3 15.24	+ 8 53.8	1.551	2.533	3.8	21.5
11 17	3 4.73	+ 7 58.2	1.573	2.548	4.8	21.6
11 27	2 55.17	+ 7 15.8	1.625	2.561	8.7	21.9
12 7	2 47.54	+ 6 50.3	1.701	2.574	12.5	22.2
12 17	2 42.45	+ 6 42.7	1.800	2.587	15.8	22.4

325361 2008 NB_5 11 12.1 100°.97 10°.5/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.29	−17 19.5	2.381	3.158	13.1	20.2
10 18	3 29.70	−18 17.4	2.339	3.165	11.7	20.2
10 28	3 22.44	−18 57.7	2.319	3.172	10.8	20.1
11 7	3 14.19	−19 15.0	2.323	3.179	10.6	20.1
11 17	3 5.71	−19 6.0	2.351	3.185	11.1	20.2
11 27	2 57.85	−18 30.2	2.403	3.192	12.3	20.3
12 7	2 51.31	−17 29.8	2.477	3.198	13.7	20.4
12 17	2 46.57	−16 8.8	2.570	3.204	15.1	20.5

515059 2010 LQ_{20} 11 12.1 133°.69 5°.8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.48	+ 2 53.5	1.889	2.726	13.8	21.6
10 18	3 31.73	+ 2 10.1	1.829	2.733	10.7	21.4
10 28	3 23.89	+ 1 31.5	1.792	2.740	7.7	21.2
11 7	3 14.72	+ 1 3.0	1.782	2.747	5.9	21.1
11 17	3 5.20	+ 0 48.7	1.800	2.754	6.8	21.2
11 27	2 56.38	+ 0 51.7	1.846	2.760	9.5	21.4
12 7	2 49.14	+ 1 12.3	1.917	2.766	12.5	21.6
12 17	2 44.08	+ 1 49.5	2.010	2.771	15.2	21.8

124008 2001 FR_{90} 11 12.1 196°.02 0°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.36	+16 18.6	2.635	3.459	10.7	20.9
10 18	3 28.30	+15 56.6	2.553	3.457	8.0	20.7
10 28	3 21.65	+15 29.7	2.495	3.455	5.0	20.5
11 7	3 13.96	+14 59.9	2.466	3.453	1.7	20.3
11 17	3 5.92	+14 29.6	2.467	3.450	2.1	20.3
11 27	2 58.30	+14 1.9	2.499	3.447	5.3	20.5
12 7	2 51.78	+13 39.9	2.559	3.444	8.4	20.7
12 17	2 46.89	+13 25.7	2.645	3.440	11.0	20.9

484998 2009 VR_{34} 11 12.1 46°.30 1°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.45	+21 37.2	2.262	3.077	12.6	21.5
10 18	3 30.97	+21 54.9	2.182	3.079	9.6	21.3
10 28	3 23.48	+22 5.0	2.126	3.080	6.2	21.1
11 7	3 14.64	+22 7.6	2.097	3.081	2.7	20.8
11 17	3 5.30	+22 3.4	2.098	3.082	2.1	20.8
11 27	2 56.46	+21 55.1	2.128	3.083	5.5	21.0
12 7	2 49.00	+21 45.8	2.186	3.084	8.9	21.2
12 17	2 43.55	+21 39.0	2.270	3.086	11.9	21.4

484389 2007 VL_{330} 11 12.1 336°.63 0°.9/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.82	+15 12.4	1.231	2.098	17.8	21.1
10 18	3 29.86	+15 29.3	1.146	2.073	13.6	20.8
10 28	3 23.64	+15 42.3	1.081	2.049	8.6	20.4
11 7	3 14.90	+15 52.9	1.038	2.026	3.0	20.0
11 17	3 4.95	+16 3.2	1.020	2.005	3.3	20.0
11 27	2 55.49	+16 16.8	1.026	1.986	9.2	20.3
12 7	2 48.17	+16 37.2	1.055	1.969	14.7	20.5
12 17	2 44.12	+17 7.4	1.103	1.953	19.5	20.7

292117 2006 RR_{60} 11 12.1 47°.31 0°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.55	+21 40.7	1.653	2.487	15.6	20.6
10 18	3 30.72	+21 20.4	1.591	2.499	11.8	20.4
10 28	3 23.44	+20 48.3	1.551	2.511	7.5	20.2
11 7	3 14.62	+20 6.3	1.537	2.523	2.8	19.9
11 17	3 5.38	+19 18.5	1.550	2.535	2.3	19.9
11 27	2 56.99	+18 30.5	1.591	2.548	6.8	20.2
12 7	2 50.46	+17 48.2	1.658	2.561	10.9	20.5
12 17	2 46.43	+17 16.1	1.748	2.574	14.5	20.8

482668 2013 CW_{11} 11 12.1 319°.58 3°.2/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.30	+25 21.0	1.582	2.409	16.5	21.7
10 18	3 31.90	+25 41.7	1.495	2.395	13.0	21.4
10 28	3 24.59	+25 49.0	1.430	2.382	8.9	21.2
11 7	3 15.15	+25 41.5	1.389	2.369	4.7	20.9
11 17	3 4.79	+25 19.8	1.375	2.357	3.6	20.8
11 27	2 55.02	+24 48.1	1.387	2.345	7.5	21.0
12 7	2 47.21	+24 12.7	1.425	2.334	11.9	21.2
12 17	2 42.28	+23 40.5	1.484	2.323	15.9	21.5

217486 2006 DX_{122} 11 12.1 7°.29 21°.8/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.60	−14 20.7	0.842	1.709	23.9	19.0
10 18	3 29.14	−18 38.0	0.823	1.708	22.2	18.9
10 28	3 23.02	−22 17.5	0.822	1.709	21.8	18.9
11 7	3 14.55	−24 56.7	0.838	1.710	22.7	19.0
11 17	3 5.50	−26 22.7	0.869	1.712	24.4	19.1
11 27	2 57.78	−26 34.4	0.913	1.715	26.5	19.3
12 7	2 52.81	−25 41.6	0.968	1.719	28.6	19.5
12 17	2 51.30	−23 57.8	1.032	1.724	30.4	19.7

82167 2001 HV_2 11 12.1 122°.13 1°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.14	+20 53.3	1.600	2.427	16.4	20.1
10 18	3 35.89	+21 9.3	1.533	2.436	12.5	19.9
10 28	3 26.80	+21 15.5	1.487	2.444	8.0	19.7
11 7	3 15.83	+21 11.9	1.467	2.452	3.2	19.4
11 17	3 4.24	+20 59.8	1.475	2.460	2.5	19.4
11 27	2 53.52	+20 43.3	1.511	2.467	7.2	19.7
12 7	2 44.89	+20 27.5	1.573	2.474	11.6	20.0
12 17	2 39.13	+20 17.2	1.658	2.481	15.3	20.2

477810 2011 DX_{23} 11 12.1 316°.29 1°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.21	+15 2.9	1.281	2.140	17.7	21.3
10 18	3 32.20	+14 52.4	1.200	2.123	13.5	21.0
10 28	3 24.97	+14 35.4	1.140	2.107	8.5	20.7
11 7	3 15.33	+14 14.7	1.103	2.091	3.1	20.3
11 17	3 4.65	+13 54.5	1.091	2.075	3.7	20.3
11 27	2 54.61	+13 40.2	1.105	2.061	9.4	20.6
12 7	2 46.76	+13 36.9	1.142	2.046	14.7	20.9
12 17	2 42.10	+13 47.9	1.198	2.033	19.2	21.1

446068 2013 CQ_{151} 11 12.1 297°.89 0°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.88	+18 24.3	1.844	2.678	14.2	21.4
10 18	3 30.93	+18 15.4	1.764	2.673	10.8	21.1
10 28	3 23.64	+17 58.8	1.706	2.667	6.8	20.9
11 7	3 14.75	+17 36.0	1.674	2.662	2.3	20.6
11 17	3 5.26	+17 9.8	1.671	2.656	2.3	20.6
11 27	2 56.36	+16 44.3	1.696	2.651	6.7	20.9
12 7	2 49.07	+16 24.0	1.748	2.646	10.8	21.1
12 17	2 44.11	+16 12.3	1.823	2.640	14.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
404816 2014 JM_{68}		11 12.1 209°.19		3°.1/10.6 18		
	h m	° ′			°	m
10 8	3 38.75	+ 9 3.5	1.977	2.811	13.4	21.4
10 18	3 32.81	+ 8 57.2	1.900	2.809	10.2	21.2
10 28	3 24.69	+ 8 51.7	1.847	2.806	6.6	21.0
11 7	3 15.09	+ 8 49.6	1.822	2.803	3.4	20.8
11 17	3 4.96	+ 8 53.4	1.825	2.800	4.1	20.8
11 27	2 55.40	+ 9 5.7	1.858	2.797	7.6	21.0
12 7	2 47.37	+ 9 27.9	1.918	2.794	11.2	21.2
12 17	2 41.53	+10 0.4	2.001	2.791	14.3	21.4
430914 2005 SA_{271}		11 12.1 44°.25		2°.9/11.0 18		
10 8	3 39.50	+12 5.8	1.176	2.038	18.8	20.3
10 18	3 34.16	+11 52.5	1.134	2.058	14.1	20.0
10 28	3 25.74	+11 36.8	1.112	2.078	8.8	19.8
11 7	3 15.43	+11 22.7	1.114	2.099	3.8	19.6
11 17	3 4.76	+11 14.5	1.140	2.121	4.6	19.7
11 27	2 55.36	+11 16.3	1.192	2.144	9.4	20.1
12 7	2 48.45	+11 30.6	1.268	2.166	14.0	20.4
12 17	2 44.67	+11 57.9	1.364	2.190	17.8	20.7
89339 2001 VV_{56}		11 12.1 111°.88		2°.7/13.9 18		
10 8	3 36.75	+26 16.3	2.010	2.819	14.2	19.7
10 18	3 31.48	+26 22.7	1.931	2.820	11.1	19.5
10 28	3 23.93	+26 16.4	1.875	2.822	7.5	19.3
11 7	3 14.85	+25 57.2	1.845	2.823	4.0	19.0
11 17	3 5.24	+25 26.3	1.843	2.825	3.0	19.0
11 27	2 56.25	+24 47.9	1.870	2.826	6.1	19.2
12 7	2 48.88	+24 7.2	1.925	2.827	9.7	19.4
12 17	2 43.82	+23 29.8	2.004	2.829	12.9	19.6
152580 1994 SL_{1}		11 12.1 324°.74		0°.6/11.8 18		
10 8	3 33.83	+17 26.5	1.900	2.738	13.7	20.5
10 18	3 29.34	+17 12.4	1.818	2.729	10.4	20.2
10 28	3 22.64	+16 51.3	1.758	2.721	6.5	20.0
11 7	3 14.42	+16 25.2	1.726	2.713	2.2	19.7
11 17	3 5.63	+15 57.1	1.721	2.705	2.4	19.7
11 27	2 57.38	+15 31.1	1.744	2.698	6.7	20.0
12 7	2 50.63	+15 11.4	1.794	2.691	10.6	20.2
12 17	2 46.08	+15 1.1	1.868	2.685	14.1	20.4
374759 2006 SK_{257}		11 12.1 120°.63		3°.4/13.8 17		
10 8	3 43.02	+26 1.2	1.579	2.394	17.1	21.3
10 18	3 36.71	+26 25.0	1.512	2.404	13.4	21.1
10 28	3 27.40	+26 34.2	1.466	2.414	9.1	20.9
11 7	3 16.08	+26 27.3	1.445	2.423	4.9	20.6
11 17	3 4.12	+26 5.2	1.451	2.432	3.8	20.6
11 27	2 53.10	+25 32.4	1.486	2.441	7.4	20.8
12 7	2 44.31	+24 55.8	1.546	2.450	11.6	21.1
12 17	2 38.56	+24 22.4	1.629	2.458	15.3	21.4
470985 2009 SL_{59}		11 12.1 20°.04		5°.9/14.9 18		
10 8	3 38.40	+29 46.0	1.210	2.041	20.4	20.5
10 18	3 34.12	+30 28.1	1.149	2.045	16.3	20.2
10 28	3 26.21	+30 49.4	1.107	2.051	11.8	20.0
11 7	3 15.75	+30 46.4	1.086	2.058	7.5	19.8
11 17	3 4.43	+30 19.0	1.089	2.065	6.1	19.7
11 27	2 54.24	+29 33.0	1.116	2.073	9.1	19.9
12 7	2 46.76	+28 38.5	1.167	2.082	13.5	20.2
12 17	2 42.91	+27 45.4	1.239	2.092	17.5	20.5
270039 2001 KC_{74}		11 12.2 174°.79		2°.1/11.0 18		
10 8	3 39.65	+13 37.4	1.761	2.597	14.7	21.4
10 18	3 33.71	+13 13.3	1.689	2.599	11.1	21.2
10 28	3 25.33	+12 44.8	1.639	2.601	6.9	21.0
11 7	3 15.34	+12 15.0	1.617	2.602	2.9	20.7
11 17	3 4.82	+11 47.6	1.623	2.603	3.5	20.8
11 27	2 55.01	+11 27.0	1.657	2.603	7.7	21.0
12 7	2 46.96	+11 16.8	1.718	2.603	11.8	21.3
12 17	2 41.38	+11 19.1	1.802	2.602	15.2	21.5
387470 2013 XF_{23}		11 12.2 329°.25		0°.8/12.5 18		
10 8	3 35.40	+20 8.8	1.265	2.119	18.2	20.7
10 18	3 31.66	+20 8.8	1.188	2.106	14.0	20.4
10 28	3 24.65	+19 56.9	1.130	2.094	9.0	20.1
11 7	3 15.25	+19 34.2	1.096	2.083	3.3	19.7
11 17	3 4.85	+19 3.6	1.086	2.072	2.8	19.7
11 27	2 55.20	+18 31.3	1.102	2.063	8.6	20.0
12 7	2 47.81	+18 4.1	1.141	2.054	13.9	20.2
12 17	2 43.68	+17 47.9	1.200	2.046	18.5	20.5
512475 2016 QX_{59}		11 12.2 52°.76		1°.2/11.5 18		
10 8	3 36.85	+18 40.2	1.280	2.134	18.1	20.8
10 18	3 32.13	+17 47.3	1.229	2.148	13.5	20.6
10 28	3 24.49	+16 42.1	1.198	2.163	8.3	20.3
11 7	3 15.04	+15 29.9	1.191	2.179	2.8	20.1
11 17	3 5.20	+14 17.9	1.210	2.194	3.4	20.1
11 27	2 56.49	+13 14.6	1.256	2.210	8.6	20.5
12 7	2 50.09	+12 26.6	1.325	2.226	13.3	20.8
12 17	2 46.62	+11 57.5	1.416	2.242	17.2	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
314340 2005 TN_{70}		11 12.2 351°.23		0°.5/12.5 18		
	h m	° ′			°	m
10 8	3 34.80	+20 11.7	1.869	2.701	14.2	21.1
10 18	3 30.09	+20 4.7	1.792	2.699	10.8	20.9
10 28	3 23.11	+19 48.6	1.737	2.697	6.8	20.7
11 7	3 14.59	+19 24.8	1.709	2.696	2.5	20.4
11 17	3 5.54	+18 55.9	1.709	2.694	2.1	20.4
11 27	2 57.09	+18 26.1	1.737	2.694	6.4	20.6
12 7	2 50.24	+18 0.1	1.792	2.693	10.4	20.9
12 17	2 45.68	+17 41.7	1.870	2.693	13.8	21.1
424342 2007 UL_{135}		11 12.2 296°.91		0°.6/12.4 17		
10 8	3 38.74	+19 41.0	1.284	2.133	18.3	21.7
10 18	3 34.21	+19 43.3	1.204	2.120	14.1	21.4
10 28	3 26.28	+19 34.5	1.145	2.108	9.0	21.1
11 7	3 15.84	+19 15.5	1.108	2.095	3.3	20.8
11 17	3 4.30	+18 48.7	1.097	2.082	2.9	20.7
11 27	2 53.49	+18 20.0	1.111	2.070	8.8	21.0
12 7	2 45.01	+17 56.1	1.149	2.058	14.2	21.3
12 17	2 39.90	+17 42.9	1.208	2.047	18.8	21.5
411554 2011 CX_{58}		11 12.2 301°.37		0°.6/11.8 17		
10 8	3 33.07	+17 37.6	2.125	2.958	12.6	21.4
10 18	3 28.59	+17 16.1	2.036	2.945	9.5	21.2
10 28	3 22.10	+16 47.6	1.970	2.932	6.0	21.0
11 7	3 14.24	+16 14.1	1.932	2.919	2.0	20.7
11 17	3 5.85	+15 38.6	1.922	2.907	2.2	20.7
11 27	2 57.90	+15 5.2	1.942	2.894	6.2	20.9
12 7	2 51.28	+14 38.0	1.988	2.882	9.9	21.1
12 17	2 46.64	+14 20.2	2.059	2.870	13.2	21.3
399788 2005 OE_{23}		11 12.2 61°.48		8°.9/ 6.4 18		
10 8	3 34.14	− 4 11.2	1.801	2.637	14.4	20.7
10 18	3 29.23	− 5 35.2	1.760	2.652	11.8	20.6
10 28	3 22.34	− 6 47.7	1.743	2.667	9.7	20.5
11 7	3 14.25	− 7 41.6	1.750	2.683	8.9	20.5
11 17	3 5.92	− 8 11.4	1.784	2.698	9.8	20.6
11 27	2 58.36	− 8 14.7	1.842	2.714	11.9	20.7
12 7	2 52.38	− 7 52.4	1.923	2.729	14.2	20.9
12 17	2 48.50	− 7 7.9	2.023	2.745	16.3	21.1
245282 2005 CR_{2}		11 12.2 295°.73		2°.1/10.9 18		
10 8	3 35.43	+14 11.5	1.664	2.510	14.9	20.9
10 18	3 30.88	+13 42.9	1.578	2.494	11.3	20.7
10 28	3 23.78	+13 8.3	1.515	2.479	7.1	20.4
11 7	3 14.88	+12 31.2	1.477	2.464	2.9	20.1
11 17	3 5.24	+11 55.9	1.467	2.448	3.7	20.1
11 27	2 56.13	+11 27.8	1.485	2.433	8.2	20.4
12 7	2 48.73	+11 11.3	1.527	2.419	12.5	20.6
12 17	2 43.83	+11 9.0	1.592	2.404	16.3	20.8
346598 2008 WZ_{21}		11 12.2 0°.52		0°.7/12.0 18		
10 8	3 42.24	+12 45.0	1.279	2.131	18.2	20.0
10 18	3 36.68	+13 43.2	1.211	2.129	13.9	19.7
10 28	3 27.72	+14 43.3	1.163	2.127	8.7	19.5
11 7	3 16.31	+15 44.5	1.139	2.127	3.0	19.1
11 17	3 3.91	+16 45.1	1.142	2.128	3.0	19.1
11 27	2 52.34	+17 44.7	1.172	2.129	8.7	19.5
12 7	2 43.16	+18 44.0	1.227	2.132	13.8	19.8
12 17	2 37.37	+19 44.6	1.303	2.136	18.0	20.1
456027 2005 YY_{104}		11 12.2 294°.07		0°.8/11.7 17		
10 8	3 34.01	+16 45.1	2.086	2.920	12.8	21.9
10 18	3 29.31	+16 28.0	1.999	2.908	9.7	21.7
10 28	3 22.56	+16 4.7	1.936	2.897	6.0	21.4
11 7	3 14.41	+15 37.3	1.899	2.887	2.1	21.1
11 17	3 5.71	+15 8.6	1.892	2.876	2.4	21.1
11 27	2 57.47	+14 42.6	1.913	2.865	6.4	21.4
12 7	2 50.61	+14 22.9	1.962	2.854	10.1	21.6
12 17	2 45.77	+14 12.4	2.034	2.844	13.4	21.8
435749 2008 UH_{156}		11 12.2 65°.59		0°.8/11.8 18		
10 8	3 39.44	+16 38.5	1.525	2.366	16.3	21.3
10 18	3 33.70	+16 31.6	1.471	2.384	12.2	21.1
10 28	3 25.34	+16 18.0	1.439	2.402	7.5	20.8
11 7	3 15.33	+15 59.9	1.433	2.420	2.6	20.6
11 17	3 4.94	+15 40.4	1.454	2.438	2.7	20.6
11 27	2 55.53	+15 24.1	1.502	2.456	7.5	21.0
12 7	2 48.18	+15 14.9	1.577	2.475	11.8	21.3
12 17	2 43.54	+15 15.7	1.673	2.493	15.3	21.5
44472 1998 VH_{53}		11 12.2 83°.28		3°.4/14.8 18		
10 8	3 37.97	+30 34.8	1.840	2.638	15.7	18.5
10 18	3 32.39	+30 8.2	1.775	2.655	12.4	18.3
10 28	3 24.43	+29 22.6	1.732	2.672	8.6	18.1
11 7	3 15.00	+28 18.8	1.715	2.689	4.9	17.9
11 17	3 5.27	+27 0.4	1.726	2.706	3.6	17.9
11 27	2 56.47	+25 34.5	1.766	2.722	6.4	18.1
12 7	2 49.58	+24 9.0	1.834	2.738	10.0	18.3
12 17	2 45.19	+22 51.3	1.926	2.755	13.2	18.6

39822 1998 *BO* 11 12.2 217°.31 2°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.17	+12 42.0	1.601	2.443	15.7	18.4
10 18	3 34.42	+12 20.5	1.525	2.438	11.9	18.2
10 28	3 25.97	+11 55.2	1.471	2.433	7.5	17.9
11 7	3 15.63	+11 29.3	1.442	2.427	3.3	17.6
11 17	3 4.60	+11 7.0	1.441	2.421	4.0	17.7
11 27	2 54.27	+10 52.8	1.469	2.415	8.5	17.9
12 7	2 45.83	+10 50.4	1.522	2.408	12.9	18.2
12 17	2 40.10	+11 1.5	1.596	2.401	16.6	18.4

440879 2006 TP_{74} 11 12.2 342°.57 8°.9/16.9 17

10 8	3 26.36	+35 39.7	1.157	1.987	21.1	19.8
10 18	3 25.67	+36 21.5	1.070	1.959	17.9	19.5
10 28	3 21.38	+36 35.8	1.000	1.932	14.2	19.2
11 7	3 14.26	+36 16.3	0.949	1.908	10.6	19.0
11 17	3 5.78	+35 20.2	0.918	1.886	8.9	18.8
11 27	2 57.98	+33 52.4	0.910	1.866	10.8	18.8
12 7	2 52.76	+32 5.2	0.923	1.849	14.8	19.0
12 17	2 51.32	+30 13.5	0.955	1.834	19.2	19.2

369595 2011 CT_{17} 11 12.2 283°.23 2°.9/14.1 17

10 8	3 35.42	+27 12.0	2.291	3.092	12.9	21.5
10 18	3 30.40	+27 25.2	2.198	3.081	10.2	21.3
10 28	3 23.27	+27 27.0	2.127	3.069	7.1	21.1
11 7	3 14.67	+27 16.4	2.083	3.058	4.0	20.9
11 17	3 5.48	+26 54.3	2.068	3.047	3.1	20.8
11 27	2 56.71	+26 23.6	2.082	3.035	5.8	21.0
12 7	2 49.32	+25 48.6	2.123	3.024	9.0	21.1
12 17	2 43.99	+25 14.5	2.190	3.013	12.1	21.3

369943 2013 GB_{88} 11 12.2 292°.88 3°.8/ 9.8 18

10 8	3 34.54	+ 8 31.9	1.975	2.817	13.1	20.6
10 18	3 29.64	+ 7 55.4	1.902	2.815	9.9	20.4
10 28	3 22.71	+ 7 18.7	1.853	2.812	6.5	20.2
11 7	3 14.45	+ 6 45.8	1.831	2.809	4.0	20.0
11 17	3 5.74	+ 6 20.8	1.837	2.806	4.9	20.1
11 27	2 57.58	+ 6 7.6	1.871	2.804	8.0	20.3
12 7	2 50.86	+ 6 8.3	1.931	2.801	11.4	20.5
12 17	2 46.18	+ 6 23.5	2.014	2.799	14.4	20.7

509366 2007 BV_{18} 11 12.2 300°.92 3°.2/10.7 18

10 8	3 37.09	+11 51.4	1.393	2.248	16.8	21.3
10 18	3 32.68	+11 28.4	1.306	2.227	12.8	21.0
10 28	3 25.22	+11 1.7	1.241	2.206	8.2	20.7
11 7	3 15.48	+10 35.4	1.200	2.185	3.9	20.4
11 17	3 4.69	+10 14.3	1.185	2.164	4.8	20.4
11 27	2 54.45	+10 3.9	1.196	2.144	9.8	20.6
12 7	2 46.19	+10 8.3	1.230	2.124	14.7	20.8
12 17	2 40.92	+10 29.4	1.285	2.104	19.1	21.0

203944 2003 QU_{111} 11 12.2 111°.24 2°.8/10.6 18

10 8	3 39.40	+10 41.3	1.939	2.772	13.7	20.6
10 18	3 33.11	+10 18.7	1.881	2.790	10.2	20.5
10 28	3 24.75	+ 9 55.0	1.848	2.807	6.5	20.3
11 7	3 15.11	+ 9 33.3	1.841	2.824	3.2	20.1
11 17	3 5.18	+ 9 17.0	1.865	2.841	3.9	20.2
11 27	2 56.01	+ 9 9.2	1.917	2.857	7.4	20.4
12 7	2 48.47	+ 9 12.1	1.996	2.872	10.8	20.7
12 17	2 43.14	+ 9 26.3	2.099	2.887	13.8	20.9

438323 2006 KO_{27} 11 12.2 3°.91 0°.1/12.2 18

10 8	3 33.60	+21 59.3	1.484	2.328	16.6	20.6
10 18	3 29.63	+21 7.4	1.413	2.327	12.6	20.3
10 28	3 22.98	+19 59.6	1.365	2.327	7.9	20.1
11 7	3 14.58	+18 39.7	1.340	2.328	2.8	19.8
11 17	3 5.65	+17 14.0	1.343	2.329	2.5	19.8
11 27	2 57.54	+15 51.4	1.373	2.331	7.7	20.1
12 7	2 51.41	+14 40.0	1.429	2.333	12.3	20.4
12 17	2 47.95	+13 45.4	1.506	2.336	16.2	20.6

31580 Bridgetoei 11 12.2 294°.92 0°.8/12.5 18

10 8	3 37.95	+20 2.3	1.543	2.381	16.3	18.4
10 18	3 33.17	+20 9.0	1.455	2.365	12.6	18.1
10 28	3 25.44	+20 6.1	1.389	2.349	8.1	17.8
11 7	3 15.53	+19 54.1	1.346	2.333	3.1	17.5
11 17	3 4.66	+19 34.8	1.331	2.317	2.5	17.4
11 27	2 54.34	+19 12.5	1.343	2.301	7.7	17.7
12 7	2 45.95	+18 52.8	1.380	2.285	12.6	17.9
12 17	2 40.46	+18 40.8	1.440	2.270	16.8	18.2

73852 1996 VB_{4} 11 12.2 329°.39 0°.6/12.4 18

10 8	3 36.61	+19 22.5	1.204	2.061	18.8	18.8
10 18	3 32.72	+19 29.5	1.129	2.049	14.4	18.5
10 28	3 25.40	+19 25.9	1.074	2.038	9.2	18.2
11 7	3 15.56	+19 12.4	1.041	2.028	3.4	17.9
11 17	3 4.65	+18 51.6	1.033	2.019	2.9	17.8
11 27	2 54.53	+18 29.2	1.050	2.010	8.9	18.1
12 7	2 46.80	+18 11.8	1.089	2.003	14.4	18.4
12 17	2 42.50	+18 4.7	1.149	1.996	19.1	18.7

188693 2005 TO_{14} 11 12.2 22°.99 6°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.85	+ 6 38.2	1.186	2.054	18.2	19.8
10 18	3 31.56	+ 5 52.4	1.136	2.060	13.9	19.5
10 28	3 24.26	+ 5 9.5	1.106	2.067	9.5	19.3
11 7	3 15.03	+ 4 36.7	1.098	2.075	6.3	19.2
11 17	3 5.27	+ 4 20.4	1.116	2.084	7.4	19.3
11 27	2 56.56	+ 4 24.8	1.157	2.094	11.4	19.5
12 7	2 50.13	+ 4 50.8	1.220	2.104	15.6	19.8
12 17	2 46.71	+ 5 36.4	1.303	2.116	19.2	20.1

5578 Takakura 11 12.2 36°.98 0°.9/11.6 18

10 8	3 34.18	+17 15.1	1.894	2.731	13.8	17.1
10 18	3 29.47	+16 48.4	1.824	2.736	10.3	16.9
10 28	3 22.64	+16 14.5	1.778	2.741	6.4	16.6
11 7	3 14.43	+15 36.1	1.759	2.746	2.2	16.4
11 17	3 5.81	+14 56.9	1.767	2.751	2.5	16.4
11 27	2 57.83	+14 21.6	1.804	2.757	6.6	16.7
12 7	2 51.41	+13 54.3	1.868	2.762	10.4	16.9
12 17	2 47.15	+13 37.9	1.955	2.768	13.7	17.2

189625 2001 FX_{107} 11 12.2 237°.86 4°.4/15.6 17

10 8	3 36.33	+32 53.4	2.484	3.257	12.8	20.4
10 18	3 31.00	+33 7.7	2.391	3.250	10.4	20.2
10 28	3 23.60	+33 7.6	2.321	3.242	7.8	20.0
11 7	3 14.79	+32 51.8	2.276	3.235	5.3	19.9
11 17	3 5.44	+32 20.4	2.260	3.227	4.4	19.8
11 27	2 56.56	+31 36.4	2.274	3.219	6.0	19.9
12 7	2 49.06	+30 44.7	2.315	3.211	8.6	20.0
12 17	2 43.60	+29 51.1	2.382	3.203	11.3	20.2

449441 2013 HK_{140} 11 12.2 66°.58 0°.8/12.6 18

10 8	3 36.44	+20 28.0	1.997	2.822	13.7	21.6
10 18	3 31.14	+20 30.4	1.925	2.827	10.4	21.4
10 28	3 23.69	+20 24.6	1.875	2.833	6.6	21.2
11 7	3 14.81	+20 11.3	1.853	2.839	2.5	21.0
11 17	3 5.46	+19 52.5	1.859	2.844	2.0	21.0
11 27	2 56.74	+19 31.7	1.894	2.850	6.0	21.2
12 7	2 49.57	+19 13.0	1.957	2.856	9.8	21.5
12 17	2 44.60	+18 59.9	2.043	2.862	13.0	21.7

258829 2002 OY_{27} 11 12.2 103°.49 4°.4/ 8.9 18

10 8	3 32.67	+ 5 8.3	2.369	3.205	11.4	20.4
10 18	3 27.85	+ 4 21.9	2.305	3.211	8.7	20.2
10 28	3 21.42	+ 3 37.6	2.266	3.218	6.1	20.1
11 7	3 13.98	+ 2 59.6	2.255	3.224	4.4	20.0
11 17	3 6.25	+ 2 31.6	2.273	3.230	5.3	20.1
11 27	2 59.03	+ 2 16.5	2.319	3.236	7.6	20.2
12 7	2 53.00	+ 2 15.9	2.392	3.241	10.3	20.4
12 17	2 48.64	+ 2 29.5	2.487	3.247	12.6	20.6

250970 2006 HQ_{35} 11 12.2 170°.67 2°.4/10.9 18

10 8	3 40.46	+14 1.6	1.594	2.433	15.8	21.3
10 18	3 34.53	+13 24.7	1.524	2.437	11.9	21.1
10 28	3 25.95	+12 41.9	1.477	2.439	7.4	20.8
11 7	3 15.61	+11 57.1	1.456	2.442	3.1	20.6
11 17	3 4.72	+11 15.3	1.463	2.443	4.0	20.6
11 27	2 54.65	+10 42.2	1.498	2.444	8.4	20.9
12 7	2 46.53	+10 22.0	1.559	2.444	12.7	21.2
12 17	2 41.10	+10 17.2	1.642	2.444	16.4	21.4

477067 2009 BB_{58} 11 12.2 288°.72 8°.2/ 6.7 18

10 8	3 34.67	− 0 55.6	1.773	2.615	14.4	21.2
10 18	3 30.11	− 2 12.4	1.691	2.592	11.7	21.0
10 28	3 23.23	− 3 23.9	1.632	2.569	9.3	20.8
11 7	3 14.71	− 4 22.2	1.599	2.547	8.2	20.7
11 17	3 5.51	− 5 0.2	1.592	2.524	9.4	20.7
11 27	2 56.76	− 5 12.8	1.610	2.501	12.1	20.9
12 7	2 49.53	− 4 58.6	1.651	2.478	15.2	21.0
12 17	2 44.57	− 4 19.2	1.712	2.455	18.1	21.2

304919 2007 RS_{296} 11 12.2 247°.04 0°.2/12.1 16

10 8	3 39.97	+16 41.0	2.229	3.047	12.6	21.3
10 18	3 33.80	+16 54.3	2.131	3.032	9.6	21.1
10 28	3 25.42	+17 3.5	2.057	3.015	6.0	20.8
11 7	3 15.47	+17 9.0	2.012	2.999	2.1	20.5
11 17	3 4.80	+17 11.9	1.996	2.981	2.1	20.5
11 27	2 54.50	+17 14.5	2.012	2.963	6.1	20.8
12 7	2 45.54	+17 19.4	2.056	2.945	9.9	21.0
12 17	2 38.68	+17 29.2	2.125	2.926	13.1	21.1

515164 2011 QO_{38} 11 12.2 62°.50 4°.7/ 9.7 18

10 8	3 37.47	+ 8 0.0	1.565	2.415	15.6	20.5
10 18	3 31.96	+ 7 12.7	1.521	2.437	11.7	20.4
10 28	3 24.12	+ 6 26.6	1.500	2.460	7.7	20.2
11 7	3 14.91	+ 5 47.4	1.505	2.482	4.8	20.1
11 17	3 5.46	+ 5 19.9	1.537	2.505	5.8	20.2
11 27	2 56.98	+ 5 8.0	1.595	2.528	9.2	20.4
12 7	2 50.40	+ 5 13.1	1.679	2.551	12.7	20.7
12 17	2 46.26	+ 5 34.6	1.784	2.573	15.8	21.0

366777 2004 TX_{148} 11 12.2 184°.74 0°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.39	+17 40.7	2.617	3.439	10.9	21.3
10 18	3 28.35	+17 1.3	2.535	3.439	8.1	21.1
10 28	3 21.73	+16 15.3	2.479	3.439	5.0	20.9
11 7	3 14.10	+15 25.2	2.451	3.438	1.7	20.6
11 17	3 6.15	+14 34.2	2.454	3.437	2.1	20.7
11 27	2 58.65	+13 46.1	2.487	3.436	5.3	20.9
12 7	2 52.28	+13 4.8	2.549	3.434	8.4	21.1
12 17	2 47.54	+12 32.8	2.637	3.431	11.1	21.3

231416 2007 DB_{49} 11 12.2 299°.09 0°.2/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.57	+19 49.6	1.458	2.303	16.8	21.1
10 18	3 32.18	+19 34.0	1.375	2.289	12.8	20.8
10 28	3 24.83	+19 6.7	1.312	2.275	8.2	20.5
11 7	3 15.33	+18 29.3	1.274	2.261	2.9	20.2
11 17	3 4.95	+17 45.6	1.262	2.248	2.6	20.1
11 27	2 55.21	+17 1.8	1.277	2.235	8.1	20.4
12 7	2 47.49	+16 24.8	1.316	2.222	13.1	20.7
12 17	2 42.70	+15 59.8	1.377	2.209	17.4	20.9

80644 2000 AP_{223} 11 12.2 118°.53 0°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.79	+21 38.9	1.794	2.615	15.1	20.3
10 18	3 34.46	+21 20.0	1.732	2.632	11.5	20.1
10 28	3 25.72	+20 49.9	1.692	2.649	7.3	19.9
11 7	3 15.49	+20 10.1	1.679	2.665	2.7	19.6
11 17	3 4.91	+19 24.3	1.695	2.681	2.2	19.6
11 27	2 55.22	+18 37.8	1.741	2.696	6.6	20.0
12 7	2 47.41	+17 56.1	1.813	2.710	10.6	20.2
12 17	2 42.11	+17 23.7	1.910	2.724	13.9	20.5

470185 2006 VT_{7} 11 12.2 24°.38 0°.3/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.88	+22 18.0	1.184	2.039	19.1	21.2
10 18	3 31.09	+21 30.6	1.125	2.045	14.5	20.9
10 28	3 24.09	+20 25.0	1.086	2.051	9.2	20.7
11 7	3 15.01	+19 5.3	1.070	2.058	3.3	20.3
11 17	3 5.36	+17 39.3	1.079	2.065	2.8	20.3
11 27	2 56.83	+16 17.1	1.114	2.074	8.6	20.7
12 7	2 50.72	+15 8.4	1.172	2.083	13.8	21.0
12 17	2 47.76	+14 19.0	1.250	2.092	18.1	21.3

394499 2007 TT_{203} 11 12.2 45°.28 1°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.82	+16 35.0	1.618	2.464	15.3	20.9
10 18	3 30.20	+15 49.2	1.556	2.472	11.4	20.7
10 28	3 23.19	+14 55.0	1.516	2.480	7.1	20.5
11 7	3 14.65	+13 56.8	1.501	2.488	2.6	20.2
11 17	3 5.70	+12 59.9	1.515	2.497	3.3	20.3
11 27	2 57.55	+12 10.7	1.555	2.506	7.7	20.6
12 7	2 51.21	+11 34.0	1.622	2.515	11.8	20.9
12 17	2 47.30	+11 12.7	1.710	2.524	15.3	21.1

79809 1998 VA_{29} 11 12.2 37°.96 1°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.21	+21 24.0	1.076	1.933	20.5	18.3
10 18	3 34.38	+21 32.8	1.035	1.954	15.6	18.1
10 28	3 26.10	+21 27.5	1.013	1.976	9.9	17.8
11 7	3 15.68	+21 9.0	1.013	1.999	3.9	17.6
11 17	3 4.84	+20 41.2	1.037	2.023	3.0	17.6
11 27	2 55.42	+20 10.7	1.087	2.048	8.5	18.0
12 7	2 48.79	+19 45.0	1.159	2.074	13.5	18.4
12 17	2 45.58	+19 29.1	1.251	2.100	17.7	18.7

183763 2004 AL_{25} 11 12.2 297°.95 3°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.72	+31 11.3	1.781	2.583	16.0	20.2
10 18	3 31.15	+30 48.1	1.693	2.574	12.8	20.0
10 28	3 23.96	+30 4.2	1.625	2.565	9.1	19.7
11 7	3 14.98	+28 59.0	1.583	2.556	5.4	19.5
11 17	3 5.37	+27 35.5	1.568	2.547	4.0	19.4
11 27	2 56.47	+26 0.5	1.581	2.538	6.9	19.5
12 7	2 49.44	+24 23.2	1.621	2.530	10.8	19.7
12 17	2 45.03	+22 52.5	1.686	2.521	14.5	20.0

517853 2015 RT_{218} 11 12.2 153°.53 1°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.15	+16 39.8	2.021	2.854	13.2	22.1
10 18	3 30.11	+16 10.1	1.946	2.855	9.9	21.9
10 28	3 23.02	+15 33.6	1.895	2.857	6.1	21.6
11 7	3 14.59	+14 53.2	1.871	2.859	2.2	21.4
11 17	3 5.74	+14 12.4	1.877	2.860	2.6	21.4
11 27	2 57.49	+13 35.8	1.911	2.861	6.5	21.7
12 7	2 50.70	+13 7.3	1.973	2.862	10.2	21.9
12 17	2 46.00	+12 49.8	2.058	2.864	13.4	22.1

44998 1999 VH_{185} 11 12.2 266°.40 1°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.16	+15 20.5	1.796	2.635	14.3	19.4
10 18	3 31.17	+14 55.8	1.718	2.631	10.8	19.2
10 28	3 23.84	+14 25.1	1.663	2.626	6.7	18.9
11 7	3 14.92	+13 51.1	1.634	2.621	2.5	18.6
11 17	3 5.43	+13 17.7	1.634	2.617	3.1	18.7
11 27	2 56.55	+12 49.6	1.662	2.612	7.4	18.9
12 7	2 49.30	+12 30.9	1.716	2.607	11.4	19.2
12 17	2 44.40	+12 24.3	1.793	2.602	14.9	19.4

265576 2005 QK_{116} 11 12.2 102°.49 4°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.66	+28 2.9	1.590	2.400	17.2	20.5
10 18	3 35.71	+28 22.1	1.523	2.411	13.6	20.3
10 28	3 26.82	+28 24.7	1.478	2.421	9.4	20.1
11 7	3 15.96	+28 9.2	1.457	2.432	5.4	19.9
11 17	3 4.49	+27 36.6	1.463	2.442	4.2	19.8
11 27	2 53.98	+26 52.1	1.496	2.451	7.4	20.1
12 7	2 45.68	+26 3.4	1.556	2.461	11.4	20.3
12 17	2 40.37	+25 17.7	1.639	2.470	15.0	20.6

34453 2000 SG_{84} 11 12.2 338°.10 1°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.06	+15 52.3	1.929	2.768	13.5	19.2
10 18	3 29.42	+15 24.9	1.853	2.766	10.1	19.0
10 28	3 22.65	+14 51.3	1.801	2.763	6.3	18.8
11 7	3 14.49	+14 14.4	1.774	2.761	2.3	18.5
11 17	3 5.84	+13 37.8	1.777	2.759	2.8	18.5
11 27	2 57.77	+13 6.0	1.807	2.758	6.8	18.8
12 7	2 51.19	+12 43.1	1.865	2.756	10.6	19.0
12 17	2 46.75	+12 31.5	1.945	2.755	13.9	19.2

181114 2005 QK_{93} 11 12.2 140°.18 0°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.68	+16 14.1	2.111	2.941	12.8	20.7
10 18	3 30.42	+15 56.1	2.037	2.945	9.6	20.5
10 28	3 23.18	+15 32.5	1.987	2.948	6.0	20.3
11 7	3 14.65	+15 5.6	1.964	2.951	2.1	20.1
11 17	3 5.71	+14 38.3	1.971	2.954	2.4	20.1
11 27	2 57.33	+14 14.2	2.007	2.957	6.2	20.3
12 7	2 50.38	+13 56.7	2.070	2.960	9.8	20.6
12 17	2 45.45	+13 48.5	2.158	2.963	12.9	20.8

189844 2003 DO_{7} 11 12.2 232°.79 2°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.44	+14 27.2	1.802	2.640	14.3	20.9
10 18	3 32.15	+13 50.9	1.720	2.632	10.8	20.7
10 28	3 24.47	+13 8.3	1.661	2.623	6.8	20.4
11 7	3 15.15	+12 23.0	1.628	2.614	2.8	20.1
11 17	3 5.22	+11 39.4	1.624	2.605	3.6	20.2
11 27	2 55.88	+11 2.8	1.649	2.595	7.8	20.4
12 7	2 48.17	+10 37.7	1.699	2.585	11.8	20.6
12 17	2 42.85	+10 26.8	1.773	2.574	15.4	20.8

355418 2007 UV_{126} 11 12.2 352°.78 1°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.05	+14 20.2	1.376	2.235	16.7	20.3
10 18	3 30.19	+14 5.7	1.306	2.229	12.6	20.1
10 28	3 23.50	+13 45.8	1.258	2.225	7.9	19.8
11 7	3 14.86	+13 24.0	1.234	2.221	3.0	19.5
11 17	3 5.51	+13 4.4	1.236	2.219	3.7	19.5
11 27	2 56.92	+12 51.9	1.263	2.217	8.6	19.8
12 7	2 50.33	+12 50.6	1.314	2.216	13.3	20.1
12 17	2 46.56	+13 2.6	1.386	2.216	17.3	20.3

202952 1999 RW_{20} 11 12.2 29°.40 4°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.43	+26 33.2	1.303	2.136	19.1	19.0
10 18	3 34.52	+27 21.8	1.248	2.148	15.0	18.8
10 28	3 26.30	+27 54.3	1.212	2.161	10.4	18.6
11 7	3 15.83	+28 8.1	1.199	2.175	6.1	18.4
11 17	3 4.67	+28 2.9	1.210	2.190	4.8	18.3
11 27	2 54.59	+27 43.2	1.248	2.205	8.3	18.6
12 7	2 47.02	+27 16.5	1.310	2.222	12.5	18.9
12 17	2 42.79	+26 50.4	1.393	2.239	16.4	19.2

9259 Janvanparadijs 11 12.2 125°.40 0°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.63	+20 44.0	1.971	2.794	13.9	18.8
10 18	3 32.00	+20 25.7	1.902	2.804	10.5	18.6
10 28	3 24.20	+19 57.8	1.855	2.813	6.6	18.4
11 7	3 15.01	+19 21.9	1.836	2.823	2.4	18.1
11 17	3 5.43	+18 41.1	1.846	2.831	2.0	18.1
11 27	2 56.55	+18 0.1	1.885	2.840	6.2	18.4
12 7	2 49.29	+17 23.7	1.952	2.848	9.9	18.7
12 17	2 44.27	+16 55.9	2.043	2.856	13.2	18.9

97125 1999 VG_{102} 11 12.2 193°.51 0°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.97	+14 47.9	2.107	2.931	13.1	20.1
10 18	3 33.73	+14 53.8	2.025	2.929	9.9	19.9
10 28	3 25.32	+14 56.4	1.968	2.927	6.1	19.7
11 7	3 15.43	+14 56.8	1.938	2.925	2.2	19.4
11 17	3 5.00	+14 56.8	1.939	2.922	2.4	19.4
11 27	2 55.09	+14 58.7	1.970	2.919	6.4	19.7
12 7	2 46.67	+15 5.1	2.028	2.916	10.1	19.9
12 17	2 40.40	+15 18.2	2.112	2.912	13.3	20.1

376080 2010 UL_{77} 11 12.2 314°.56 4°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.29	+28 54.4	1.287	2.116	19.5	21.1
10 18	3 34.09	+29 14.6	1.210	2.107	15.6	20.8
10 28	3 26.33	+29 14.6	1.150	2.097	11.1	20.5
11 7	3 15.95	+28 51.5	1.113	2.089	6.6	20.2
11 17	3 4.48	+28 6.0	1.101	2.080	5.1	20.1
11 27	2 53.87	+27 4.1	1.114	2.072	8.8	20.3
12 7	2 45.77	+25 56.3	1.150	2.065	13.6	20.6
12 17	2 41.23	+24 52.9	1.207	2.058	18.1	20.8

312325 2008 CK_{144} 11 12.2 305°.04 7°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.05	+36 43.7	1.861	2.632	16.5	20.3
10 18	3 34.00	+37 30.8	1.772	2.621	13.9	20.1
10 28	3 25.98	+37 59.0	1.703	2.611	11.0	19.9
11 7	3 15.78	+38 3.6	1.657	2.600	8.4	19.8
11 17	3 4.63	+37 42.9	1.637	2.590	7.3	19.7
11 27	2 54.08	+36 59.2	1.644	2.580	8.7	19.7
12 7	2 45.51	+35 59.6	1.676	2.571	11.4	19.9
12 17	2 39.87	+34 52.9	1.732	2.561	14.4	20.0

374294 2005 SY_{32} 11 12.2 10°.83 0°.9/12.5 18

10 8	3 39.33	+19 16.3	1.380	2.224	17.6	20.1
10 18	3 34.27	+19 34.3	1.312	2.225	13.4	19.8
10 28	3 26.11	+19 43.6	1.264	2.226	8.5	19.5
11 7	3 15.79	+19 44.3	1.241	2.227	3.2	19.2
11 17	3 4.69	+19 38.1	1.244	2.229	2.6	19.2
11 27	2 54.44	+19 29.1	1.273	2.232	7.9	19.5
12 7	2 46.43	+19 22.3	1.327	2.234	12.8	19.8
12 17	2 41.51	+19 22.2	1.403	2.238	16.9	20.1

49365 1998 WR_{18} 11 12.2 127°.46 1°.5/13.2 18

10 8	3 36.64	+24 24.9	2.034	2.848	13.8	18.4
10 18	3 31.25	+24 1.1	1.961	2.855	10.6	18.2
10 28	3 23.74	+23 24.6	1.910	2.863	6.9	18.0
11 7	3 14.86	+22 36.9	1.887	2.870	3.0	17.8
11 17	3 5.59	+21 41.0	1.893	2.877	2.2	17.7
11 27	2 57.01	+20 42.2	1.928	2.884	5.9	18.0
12 7	2 50.03	+19 46.3	1.991	2.891	9.6	18.2
12 17	2 45.25	+18 58.3	2.078	2.897	12.8	18.5

5279 Arthuradel 11 12.2 77°.48 7°.0/ 9.2 18

10 8	3 42.56	+ 0 37.9	1.599	2.434	16.0	16.4
10 18	3 35.54	− 0 2.3	1.565	2.466	12.5	16.3
10 28	3 26.23	− 0 33.4	1.554	2.497	9.1	16.2
11 7	3 15.64	− 0 49.8	1.568	2.528	7.1	16.1
11 17	3 4.97	− 0 48.0	1.610	2.559	7.8	16.2
11 27	2 55.41	− 0 26.4	1.679	2.589	10.5	16.5
12 7	2 47.86	+ 0 13.7	1.772	2.618	13.4	16.7
12 17	2 42.83	+ 1 9.2	1.887	2.647	16.1	17.0

480811 1995 UK_{81} 11 12.2 359°.13 2°.0/13.1 18

10 8	3 34.10	+22 58.0	1.295	2.145	18.2	20.5
10 18	3 30.53	+23 1.1	1.228	2.142	14.0	20.2
10 28	3 23.86	+22 49.6	1.179	2.140	9.2	19.9
11 7	3 15.03	+22 24.0	1.154	2.139	4.0	19.6
11 17	3 5.42	+21 47.4	1.154	2.139	2.9	19.6
11 27	2 56.68	+21 5.9	1.179	2.140	8.0	19.9
12 7	2 50.18	+20 27.1	1.227	2.143	12.9	20.2
12 17	2 46.78	+19 57.4	1.297	2.146	17.2	20.4

91273 1999 DN 11 12.2 345°.27 3°.3/14.8 18

10 8	3 31.52	+29 34.1	2.448	3.243	12.3	18.5
10 18	3 27.36	+29 41.0	2.358	3.235	9.8	18.4
10 28	3 21.34	+29 35.4	2.292	3.229	7.0	18.2
11 7	3 14.06	+29 16.8	2.252	3.222	4.3	18.0
11 17	3 6.30	+28 46.2	2.240	3.216	3.4	17.9
11 27	2 58.99	+28 6.5	2.258	3.211	5.4	18.0
12 7	2 52.92	+27 22.4	2.303	3.206	8.3	18.2
12 17	2 48.72	+26 38.6	2.373	3.201	11.1	18.4

29938 1999 JR_{52} 11 12.2 253°.68 0°.7/11.7 18

10 8	3 34.76	+17 42.4	2.029	2.861	13.2	18.4
10 18	3 29.88	+17 17.1	1.950	2.859	9.9	18.2
10 28	3 22.93	+16 44.4	1.895	2.857	6.2	17.9
11 7	3 14.61	+16 6.6	1.867	2.855	2.1	17.7
11 17	3 5.83	+15 27.2	1.868	2.853	2.3	17.7
11 27	2 57.61	+14 50.5	1.898	2.851	6.4	18.0
12 7	2 50.84	+14 20.7	1.956	2.848	10.1	18.2
12 17	2 46.16	+14 1.2	2.037	2.846	13.3	18.4

410920 2009 SE_{209} 11 12.2 66°.81 2°.4/10.3 18

10 8	3 32.73	+13 41.4	2.102	2.941	12.5	21.2
10 18	3 28.11	+12 42.5	2.037	2.950	9.3	21.0
10 28	3 21.69	+11 38.8	1.998	2.960	5.8	20.8
11 7	3 14.14	+10 34.6	1.985	2.969	2.8	20.6
11 17	3 6.31	+ 9 34.8	2.002	2.979	3.6	20.7
11 27	2 59.08	+ 8 44.2	2.049	2.989	6.9	21.0
12 7	2 53.22	+ 8 6.6	2.121	2.998	10.2	21.2
12 17	2 49.24	+ 7 43.8	2.218	3.008	13.0	21.4

123909 2001 DQ_{83} 11 12.2 264°.30 0°.5/11.9 17

10 8	3 34.16	+17 34.9	2.337	3.163	11.9	21.0
10 18	3 29.27	+17 18.1	2.246	3.152	9.0	20.8
10 28	3 22.52	+16 55.1	2.179	3.139	5.6	20.5
11 7	3 14.49	+16 27.4	2.140	3.127	1.9	20.3
11 17	3 5.96	+15 57.8	2.130	3.115	2.0	20.2
11 27	2 57.84	+15 29.7	2.151	3.102	5.8	20.5
12 7	2 50.95	+15 6.6	2.199	3.090	9.2	20.7
12 17	2 45.89	+14 51.4	2.271	3.077	12.3	20.9

24167 1999 WC_4 11 12.2 3°.03 2°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.34	+25 24.5	1.828	2.649	14.9	18.1
10 18	3 29.92	+25 28.8	1.752	2.648	11.6	17.8
10 28	3 23.13	+25 20.0	1.697	2.649	7.8	17.6
11 7	3 14.73	+24 58.2	1.669	2.649	3.9	17.4
11 17	3 5.76	+24 25.3	1.667	2.650	2.9	17.3
11 27	2 57.45	+23 45.7	1.694	2.652	6.4	17.6
12 7	2 50.81	+23 5.1	1.747	2.654	10.2	17.8
12 17	2 46.57	+22 29.0	1.824	2.657	13.7	18.0

286857 2002 NM_{70} 11 12.2 76°.33 2°.9/10.4 18

10 8	3 36.64	+12 41.9	1.725	2.569	14.6	21.4
10 18	3 31.27	+11 51.0	1.673	2.588	10.9	21.2
10 28	3 23.72	+10 56.4	1.645	2.607	6.8	21.0
11 7	3 14.86	+10 2.8	1.643	2.626	3.3	20.8
11 17	3 5.73	+ 9 15.3	1.669	2.645	4.2	20.9
11 27	2 57.45	+ 8 39.1	1.723	2.664	7.9	21.2
12 7	2 50.91	+ 8 17.3	1.803	2.683	11.6	21.4
12 17	2 46.66	+ 8 11.1	1.906	2.702	14.6	21.7

445228 2009 HQ_{25} 11 12.2 91°.39 3°.9/ 9.8 18

10 8	3 35.37	+ 8 47.9	1.876	2.719	13.6	21.2
10 18	3 30.34	+ 8 6.8	1.809	2.721	10.3	21.0
10 28	3 23.21	+ 7 25.3	1.765	2.724	6.8	20.8
11 7	3 14.72	+ 6 47.7	1.748	2.727	4.1	20.7
11 17	3 5.81	+ 6 18.6	1.759	2.729	5.0	20.7
11 27	2 57.53	+ 6 1.9	1.798	2.732	8.3	20.9
12 7	2 50.78	+ 5 59.9	1.863	2.734	11.7	21.1
12 17	2 46.18	+ 6 13.1	1.950	2.737	14.7	21.4

363395 2003 BC_{77} 11 12.2 319°.28 0°.1/12.2 18

10 8	3 35.46	+18 1.6	1.662	2.503	15.2	20.6
10 18	3 31.06	+18 3.8	1.575	2.487	11.6	20.4
10 28	3 24.03	+17 58.7	1.509	2.472	7.3	20.1
11 7	3 15.11	+17 47.5	1.470	2.457	2.6	19.8
11 17	3 5.38	+17 32.5	1.457	2.442	2.4	19.7
11 27	2 56.15	+17 17.6	1.472	2.428	7.3	20.0
12 7	2 48.65	+17 7.2	1.512	2.415	11.8	20.2
12 17	2 43.72	+17 5.2	1.575	2.402	15.7	20.4

472262 2014 QN_{441} 11 12.2 9°.42 0°.6/ 6.4 17

10 8	3 13.18	− 3 45.7	32.633	33.448	1.0	21.9
10 18	3 12.40	− 3 52.2	32.571	33.450	0.8	21.9
10 28	3 11.52	− 3 57.9	32.535	33.453	0.7	21.9
11 7	3 10.59	− 4 2.7	32.528	33.455	0.6	21.9
11 17	3 9.64	− 4 6.4	32.549	33.457	0.7	21.9
11 27	3 8.71	− 4 8.9	32.598	33.459	0.8	21.9
12 7	3 7.84	− 4 9.9	32.674	33.462	1.0	22.0
12 17	3 7.06	− 4 9.6	32.775	33.464	1.2	22.0

437323 2013 PF_{74} 11 12.2 24°.19 1°.1/12.4 18

10 8	3 43.55	+15 2.1	0.913	1.783	22.2	19.4
10 18	3 38.37	+16 27.9	0.870	1.796	16.9	19.2
10 28	3 29.04	+17 51.8	0.845	1.811	10.6	18.9
11 7	3 16.88	+19 9.9	0.841	1.828	3.9	18.6
11 17	3 3.91	+20 18.3	0.860	1.846	3.3	18.6
11 27	2 52.44	+21 16.9	0.904	1.866	9.7	19.1
12 7	2 44.23	+22 8.5	0.969	1.887	15.2	19.5
12 17	2 40.17	+22 57.2	1.054	1.909	19.8	19.8

428154 2006 SD_{256} 11 12.2 121°.26 1°.2/12.9 16

10 8	3 41.07	+22 28.1	1.583	2.409	16.6	22.3
10 18	3 35.10	+22 17.0	1.517	2.420	12.7	22.1
10 28	3 26.38	+21 52.9	1.474	2.431	8.1	21.8
11 7	3 15.85	+21 17.0	1.456	2.441	3.3	21.6
11 17	3 4.83	+20 32.7	1.465	2.451	2.5	21.5
11 27	2 54.74	+19 45.8	1.503	2.460	7.2	21.9
12 7	2 46.75	+19 2.9	1.567	2.469	11.6	22.1
12 17	2 41.58	+18 29.3	1.655	2.478	15.3	22.4

12908 Yagudina 11 12.2 231°.42 0°.5/12.5 18

10 8	3 39.97	+18 40.7	2.070	2.889	13.4	17.6
10 18	3 33.93	+18 58.7	1.981	2.882	10.2	17.3
10 28	3 25.59	+19 10.8	1.917	2.874	6.5	17.1
11 7	3 15.62	+19 17.3	1.880	2.866	2.4	16.8
11 17	3 4.98	+19 19.0	1.872	2.858	2.0	16.8
11 27	2 54.80	+19 18.3	1.895	2.849	6.2	17.0
12 7	2 46.14	+19 18.4	1.946	2.840	10.1	17.3
12 17	2 39.72	+19 22.5	2.021	2.831	13.4	17.5

472480 2015 BE_{499} 11 12.2 90°.20 2°.9/10.7 16

10 8	3 39.95	+13 25.3	1.427	2.275	16.9	21.4
10 18	3 34.19	+12 39.7	1.375	2.292	12.6	21.1
10 28	3 25.73	+11 49.0	1.344	2.308	7.9	20.9
11 7	3 15.60	+10 58.2	1.340	2.324	3.5	20.7
11 17	3 5.11	+10 13.2	1.362	2.341	4.5	20.8
11 27	2 55.67	+ 9 39.8	1.411	2.356	8.9	21.1
12 7	2 48.38	+ 9 22.0	1.485	2.372	13.1	21.4
12 17	2 43.87	+ 9 21.0	1.580	2.387	16.7	21.7

43804 Peterting 11 12.2 21°.67 3°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.47	+27 47.3	1.949	2.757	14.6	18.0
10 18	3 30.67	+28 8.8	1.876	2.763	11.5	17.8
10 28	3 23.56	+28 17.0	1.826	2.769	8.0	17.6
11 7	3 14.89	+28 10.8	1.802	2.776	4.7	17.4
11 17	3 5.70	+27 51.3	1.805	2.783	3.7	17.4
11 27	2 57.16	+27 21.7	1.836	2.791	6.3	17.5
12 7	2 50.27	+26 47.6	1.894	2.799	9.7	17.8
12 17	2 45.73	+26 14.2	1.976	2.808	12.8	18.0

492156 2013 PM_{15} 11 12.2 39°.69 4°.5/15.7 17

10 8	3 35.60	+32 53.5	2.375	3.152	13.2	21.5
10 18	3 30.51	+33 9.7	2.293	3.154	10.7	21.4
10 28	3 23.34	+33 11.2	2.234	3.156	8.0	21.2
11 7	3 14.80	+32 56.5	2.200	3.159	5.5	21.1
11 17	3 5.78	+32 26.3	2.194	3.161	4.5	21.0
11 27	2 57.31	+31 43.6	2.217	3.164	6.0	21.1
12 7	2 50.28	+30 53.5	2.268	3.166	8.7	21.3
12 17	2 45.34	+30 1.9	2.344	3.169	11.3	21.5

470968 2009 RE_{29} 11 12.2 76°.68 3°.5/14.1 18

10 8	3 41.06	+27 4.0	1.448	2.269	18.1	21.6
10 18	3 35.42	+27 14.1	1.388	2.283	14.1	21.4
10 28	3 26.71	+27 6.9	1.348	2.296	9.6	21.2
11 7	3 16.00	+26 41.4	1.332	2.310	5.2	21.0
11 17	3 4.74	+26 0.0	1.342	2.324	3.9	20.9
11 27	2 54.55	+25 8.7	1.380	2.337	7.6	21.2
12 7	2 46.72	+24 15.9	1.442	2.351	11.9	21.5
12 17	2 41.98	+23 29.0	1.528	2.364	15.7	21.7

69730 1998 HF_{149} 11 12.2 131°.76 0°.9/12.9 18

10 8	3 37.73	+23 49.6	2.079	2.891	13.6	20.2
10 18	3 31.96	+23 8.2	2.008	2.903	10.4	20.0
10 28	3 24.13	+22 14.1	1.961	2.915	6.7	19.8
11 7	3 15.03	+21 9.4	1.942	2.927	2.6	19.6
11 17	3 5.63	+19 58.2	1.952	2.938	1.9	19.5
11 27	2 56.96	+18 46.4	1.993	2.948	5.9	19.8
12 7	2 49.89	+17 40.0	2.062	2.958	9.5	20.1
12 17	2 44.98	+16 43.9	2.156	2.967	12.6	20.3

212382 2006 HJ_{63} 11 12.2 20°.29 2°.5/10.9 17

10 8	3 32.89	+17 14.8	0.938	1.819	20.8	19.6
10 18	3 30.05	+16 10.6	0.891	1.826	15.6	19.3
10 28	3 23.66	+14 52.5	0.863	1.834	9.6	19.0
11 7	3 14.98	+13 28.6	0.855	1.843	3.7	18.7
11 17	3 5.72	+12 9.0	0.871	1.854	4.8	18.8
11 27	2 57.75	+11 4.9	0.909	1.866	10.6	19.2
12 7	2 52.49	+10 23.6	0.969	1.879	16.0	19.6
12 17	2 50.63	+10 7.5	1.046	1.894	20.5	19.9

279497 2011 AK_{23} 11 12.2 351°.37 3°.7/ 9.8 18

10 8	3 33.12	+ 8 48.4	2.030	2.874	12.7	20.4
10 18	3 28.57	+ 8 9.2	1.959	2.872	9.6	20.2
10 28	3 22.10	+ 7 29.5	1.912	2.871	6.3	20.0
11 7	3 14.37	+ 6 53.4	1.891	2.870	3.9	19.8
11 17	3 6.22	+ 6 25.1	1.899	2.869	4.7	19.9
11 27	2 58.61	+ 6 8.2	1.935	2.868	7.8	20.1
12 7	2 52.37	+ 6 5.0	1.996	2.867	11.0	20.3
12 17	2 48.08	+ 6 16.1	2.081	2.867	13.9	20.5

38381 1999 RV_{175} 11 12.2 70°.88 1°.9/11.1 18

10 8	3 40.00	+15 40.5	1.608	2.447	15.7	19.0
10 18	3 33.76	+14 53.3	1.568	2.480	11.7	18.9
10 28	3 25.21	+13 59.8	1.550	2.513	7.1	18.7
11 7	3 15.37	+13 4.6	1.559	2.546	2.8	18.5
11 17	3 5.41	+12 13.1	1.597	2.578	3.4	18.6
11 27	2 56.54	+11 30.6	1.662	2.610	7.6	18.9
12 7	2 49.66	+11 1.1	1.754	2.641	11.4	19.2
12 17	2 45.27	+10 46.4	1.869	2.672	14.6	19.5

130385 2000 JS_{29} 11 12.2 125°.13 0°.9/13.0 18

10 8	3 33.68	+22 35.7	3.042	3.845	10.0	21.1
10 18	3 28.39	+22 21.3	2.970	3.860	7.6	20.9
10 28	3 21.71	+21 59.6	2.923	3.875	4.9	20.8
11 7	3 14.19	+21 31.4	2.905	3.889	2.0	20.6
11 17	3 6.44	+20 58.8	2.918	3.903	1.5	20.6
11 27	2 59.13	+20 24.4	2.962	3.916	4.2	20.8
12 7	2 52.86	+19 51.4	3.035	3.929	6.9	21.0
12 17	2 48.06	+19 22.6	3.136	3.942	9.2	21.2

152191 2005 QP_{59} 11 12.2 30°.90 0°.6/12.5 18

10 8	3 36.08	+20 45.4	1.016	1.883	20.7	18.8
10 18	3 32.19	+20 29.2	0.976	1.901	15.6	18.6
10 28	3 24.84	+19 58.2	0.954	1.921	9.8	18.4
11 7	3 15.36	+19 15.5	0.954	1.942	3.5	18.1
11 17	3 5.46	+18 27.3	0.978	1.964	2.9	18.1
11 27	2 56.97	+17 41.8	1.026	1.988	8.8	18.5
12 7	2 51.20	+17 6.6	1.096	2.012	14.0	18.9
12 17	2 48.79	+16 46.2	1.185	2.037	18.2	19.3

282004 2011 HY_{49} 11 12.2 98°.93 3°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.24	+10 43.0	1.822	2.657	14.3	21.6
10 18	3 33.85	+10 16.4	1.770	2.679	10.7	21.5
10 28	3 25.31	+ 9 48.5	1.741	2.701	6.8	21.3
11 7	3 15.45	+ 9 23.0	1.740	2.723	3.4	21.1
11 17	3 5.34	+ 9 3.5	1.768	2.743	4.1	21.2
11 27	2 56.08	+ 8 53.4	1.824	2.764	7.7	21.5
12 7	2 48.57	+ 8 54.9	1.907	2.784	11.2	21.7
12 17	2 43.38	+ 9 8.5	2.013	2.803	14.2	22.0

366202 2012 LY_{15} 11 12.2 190°.85 1°.3/11.2 17

10 8	3 32.90	+14 49.6	2.643	3.470	10.6	21.9
10 18	3 28.04	+14 24.0	2.562	3.469	8.0	21.7
10 28	3 21.62	+13 54.5	2.507	3.468	4.9	21.5
11 7	3 14.19	+13 23.1	2.481	3.467	1.9	21.3
11 17	3 6.43	+12 52.6	2.484	3.466	2.4	21.3
11 27	2 59.08	+12 26.2	2.518	3.464	5.4	21.5
12 7	2 52.82	+12 6.4	2.580	3.462	8.4	21.7
12 17	2 48.13	+11 55.3	2.667	3.460	11.0	21.9

454059 2012 JJ_{20} 11 12.2 224°.80 1°.8/10.6 18

10 8	3 33.07	+12 59.3	2.876	3.700	9.9	22.2
10 18	3 28.08	+12 26.0	2.784	3.690	7.4	22.0
10 28	3 21.63	+11 49.4	2.719	3.679	4.7	21.8
11 7	3 14.20	+11 12.1	2.683	3.667	2.1	21.6
11 17	3 6.42	+10 36.7	2.678	3.655	2.7	21.6
11 27	2 58.97	+10 6.5	2.703	3.643	5.5	21.8
12 7	2 52.49	+ 9 44.0	2.757	3.630	8.3	22.0
12 17	2 47.46	+ 9 31.0	2.837	3.617	10.7	22.1

76285 2000 EE_{121} 11 12.2 221°.34 2°.5/13.8 18

10 8	3 39.10	+25 48.9	2.377	3.173	12.6	20.0
10 18	3 33.13	+26 2.6	2.282	3.164	9.9	19.8
10 28	3 25.03	+26 5.9	2.211	3.154	6.8	19.6
11 7	3 15.45	+25 58.1	2.166	3.144	3.6	19.4
11 17	3 5.26	+25 39.7	2.152	3.133	2.8	19.3
11 27	2 55.49	+25 13.5	2.168	3.121	5.6	19.5
12 7	2 47.09	+24 43.8	2.213	3.109	8.9	19.7
12 17	2 40.75	+24 15.1	2.283	3.097	11.9	19.9

2355 Nei Monggol 11 12.2 64°.68 0°.4/12.0 18

10 8	3 37.13	+16 35.6	2.047	2.876	13.2	16.3
10 18	3 31.58	+16 41.4	1.980	2.887	9.9	16.1
10 28	3 23.97	+16 42.4	1.937	2.898	6.2	15.9
11 7	3 15.04	+16 39.7	1.921	2.909	2.1	15.7
11 17	3 5.70	+16 35.2	1.935	2.920	2.1	15.7
11 27	2 56.99	+16 31.6	1.977	2.931	6.1	16.0
12 7	2 49.78	+16 31.7	2.047	2.942	9.7	16.2
12 17	2 44.68	+16 37.9	2.142	2.953	12.7	16.5

168301 1315 $T\text{-}_2$ 11 12.2 68°.80 5°.5/15.2 18

10 8	3 43.68	+30 59.6	1.671	2.465	17.2	19.7
10 18	3 37.19	+31 49.3	1.614	2.486	13.8	19.5
10 28	3 27.76	+32 21.6	1.578	2.508	10.1	19.3
11 7	3 16.40	+32 33.3	1.566	2.529	6.7	19.2
11 17	3 4.49	+32 23.9	1.581	2.550	5.6	19.2
11 27	2 53.58	+31 57.2	1.624	2.572	7.7	19.4
12 7	2 44.94	+31 20.4	1.693	2.593	11.0	19.6
12 17	2 39.30	+30 41.1	1.786	2.614	14.1	19.8

267955 2004 FL_{20} 11 12.2 219°.54 2°.5/10.7 18

10 8	3 37.26	+14 44.4	1.654	2.497	15.2	20.8
10 18	3 32.18	+13 51.9	1.578	2.493	11.4	20.6
10 28	3 24.59	+12 51.7	1.525	2.488	7.2	20.3
11 7	3 15.31	+11 48.3	1.498	2.484	3.1	20.1
11 17	3 5.45	+10 47.6	1.500	2.479	4.0	20.1
11 27	2 56.29	+ 9 56.2	1.529	2.474	8.3	20.4
12 7	2 48.92	+ 9 19.2	1.583	2.469	12.6	20.6
12 17	2 44.06	+ 8 59.6	1.660	2.463	16.2	20.8

293587 2007 JR_9 11 12.2 92°.78 1°.5/11.3 18

10 8	3 37.46	+12 40.8	2.480	3.303	11.4	20.2
10 18	3 31.37	+12 41.8	2.419	3.323	8.5	20.0
10 28	3 23.63	+12 41.1	2.384	3.343	5.3	19.8
11 7	3 14.88	+12 40.2	2.377	3.363	2.1	19.7
11 17	3 5.88	+12 40.9	2.401	3.382	2.5	19.7
11 27	2 57.44	+12 45.0	2.456	3.401	5.6	20.0
12 7	2 50.28	+12 54.4	2.539	3.420	8.6	20.2
12 17	2 44.87	+13 10.2	2.647	3.438	11.1	20.4

509567 2008 CJ_{41} 11 12.2 250°.82 2°.5/10.8 18

10 8	3 37.65	+14 51.0	1.534	2.381	16.0	22.0
10 18	3 32.73	+14 2.9	1.456	2.372	12.1	21.7
10 28	3 25.07	+13 6.4	1.399	2.363	7.6	21.4
11 7	3 15.52	+12 6.1	1.368	2.354	3.2	21.2
11 17	3 5.25	+11 8.0	1.364	2.345	4.1	21.2
11 27	2 55.68	+10 19.0	1.388	2.335	8.8	21.5
12 7	2 48.01	+ 9 44.9	1.436	2.325	13.3	21.7
12 17	2 43.06	+ 9 28.7	1.506	2.315	17.2	21.9

347340 2012 PM_{16} 11 12.2 152°.25 3°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.32	+27 40.5	1.795	2.601	15.7	21.3
10 18	3 34.47	+27 37.0	1.720	2.606	12.3	21.1
10 28	3 26.00	+27 17.5	1.667	2.611	8.5	20.9
11 7	3 15.79	+26 41.6	1.639	2.616	4.6	20.7
11 17	3 5.04	+25 51.6	1.639	2.621	3.4	20.6
11 27	2 55.09	+24 52.7	1.669	2.625	6.7	20.8
12 7	2 47.07	+23 52.4	1.725	2.628	10.6	21.1
12 17	2 41.69	+22 57.4	1.805	2.631	14.1	21.3

230130 2001 OB_{40} 11 12.2 56°.31 5°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.33	+ 6 55.4	1.276	2.131	18.1	19.9
10 18	3 35.28	+ 6 28.2	1.238	2.156	13.7	19.7
10 28	3 26.40	+ 6 4.7	1.221	2.181	9.0	19.5
11 7	3 15.86	+ 5 50.1	1.228	2.207	5.5	19.4
11 17	3 5.09	+ 5 48.6	1.261	2.232	6.4	19.5
11 27	2 55.56	+ 6 3.0	1.320	2.258	10.2	19.8
12 7	2 48.39	+ 6 33.6	1.403	2.284	14.1	20.1
12 17	2 44.15	+ 7 18.7	1.506	2.310	17.5	20.4

451657 2012 WD_{36} 11 12.2 339°.32 0°.4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 12.48	− 1 2.4	45.356	46.177	0.7	23.5
10 18	3 11.90	− 1 7.4	45.278	46.167	0.6	23.5
10 28	3 11.25	− 1 11.9	45.227	46.156	0.4	23.5
11 7	3 10.55	− 1 15.9	45.204	46.146	0.4	23.5
11 17	3 9.85	− 1 19.1	45.210	46.136	0.4	23.5
11 27	3 9.16	− 1 21.6	45.245	46.125	0.6	23.5
12 7	3 8.50	− 1 23.2	45.308	46.115	0.7	23.5
12 17	3 7.92	− 1 23.9	45.395	46.104	0.9	23.5

3761 Romanskaya 11 12.2 86°.05 2°.5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.22	+12 58.9	2.396	3.227	11.5	16.6
10 18	3 28.91	+11 51.4	2.344	3.253	8.5	16.5
10 28	3 22.06	+10 40.7	2.319	3.279	5.3	16.3
11 7	3 14.32	+ 9 30.8	2.322	3.304	2.7	16.2
11 17	3 6.45	+ 8 26.4	2.356	3.330	3.5	16.3
11 27	2 59.21	+ 7 31.8	2.420	3.354	6.4	16.5
12 7	2 53.24	+ 6 50.0	2.512	3.379	9.2	16.8
12 17	2 48.97	+ 6 22.4	2.628	3.403	11.6	17.0

336085 2008 GF_{63} 11 12.2 153°.33 0°.2/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.07	+19 29.4	1.932	2.752	14.2	21.9
10 18	3 34.69	+19 18.8	1.860	2.760	10.8	21.7
10 28	3 25.99	+18 59.6	1.811	2.768	6.8	21.5
11 7	3 15.78	+18 33.2	1.789	2.776	2.4	21.2
11 17	3 5.11	+18 2.3	1.797	2.783	2.1	21.2
11 27	2 55.16	+17 31.2	1.835	2.789	6.4	21.5
12 7	2 46.92	+17 4.4	1.900	2.794	10.3	21.8
12 17	2 41.06	+16 45.6	1.990	2.798	13.7	22.0

376758 1999 VO_{138} 11 12.2 331°.19 1°.9/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.57	+13 44.3	1.216	2.078	18.3	20.6
10 18	3 33.40	+13 46.1	1.143	2.066	14.0	20.3
10 28	3 25.88	+13 44.1	1.089	2.056	8.8	19.9
11 7	3 15.91	+13 41.0	1.059	2.046	3.4	19.6
11 17	3 4.92	+13 40.0	1.053	2.037	3.9	19.6
11 27	2 54.69	+13 45.5	1.073	2.029	9.5	19.9
12 7	2 46.76	+14 1.1	1.115	2.022	14.8	20.2
12 17	2 42.15	+14 28.9	1.178	2.015	19.3	20.5

68225 2001 DV_{12} 11 12.2 103°.67 4°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.00	+ 5 44.5	2.410	3.245	11.3	19.4
10 18	3 28.07	+ 4 40.5	2.354	3.260	8.6	19.2
10 28	3 21.60	+ 3 38.1	2.323	3.274	6.0	19.1
11 7	3 14.21	+ 2 41.7	2.321	3.288	4.4	19.0
11 17	3 6.59	+ 1 55.8	2.347	3.302	5.3	19.1
11 27	2 59.51	+ 1 23.8	2.403	3.316	7.6	19.3
12 7	2 53.62	+ 1 7.2	2.485	3.329	10.1	19.4
12 17	2 49.37	+ 1 6.3	2.590	3.342	12.4	19.6

75585 2000 AU_{15} 11 12.2 212°.46 3°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.72	+11 30.5	1.611	2.453	15.5	18.7
10 18	3 34.11	+11 9.0	1.537	2.451	11.8	18.5
10 28	3 25.86	+10 45.0	1.486	2.448	7.5	18.2
11 7	3 15.80	+10 22.1	1.461	2.445	3.5	18.0
11 17	3 5.10	+10 4.3	1.463	2.441	4.3	18.0
11 27	2 55.10	+ 9 55.9	1.493	2.438	8.6	18.3
12 7	2 46.96	+ 9 59.8	1.549	2.434	12.8	18.5
12 17	2 41.46	+10 17.3	1.626	2.430	16.4	18.8

487374 2014 QE_{265} 11 12.2 295°.76 3°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.34	+ 8 13.2	2.149	2.985	12.4	21.4
10 18	3 30.24	+ 7 57.3	2.069	2.978	9.4	21.2
10 28	3 23.19	+ 7 42.2	2.013	2.971	6.2	21.0
11 7	3 14.83	+ 7 30.9	1.985	2.964	3.6	20.8
11 17	3 5.99	+ 7 26.5	1.985	2.957	4.3	20.8
11 27	2 57.62	+ 7 31.5	2.015	2.951	7.4	21.0
12 7	2 50.56	+ 7 47.5	2.071	2.944	10.6	21.2
12 17	2 45.42	+ 8 15.0	2.151	2.938	13.5	21.4

434751 2006 HV_{57} 11 12.2 58°.09 1°.8/13.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.98	+25 47.3	1.782	2.578	16.2	22.7
10 18	3 39.94	+25 18.4	1.758	2.642	12.2	22.6
10 28	3 28.75	+24 34.9	1.756	2.704	7.9	22.4
11 7	3 16.56	+23 39.2	1.783	2.765	3.5	22.3
11 17	3 4.65	+22 35.9	1.840	2.824	2.4	22.3
11 27	2 54.19	+21 31.3	1.928	2.882	6.1	22.7
12 7	2 46.00	+20 32.0	2.044	2.939	9.7	23.0
12 17	2 40.45	+19 42.7	2.186	2.994	12.6	23.3

51742 2001 KE_{55} 11 12.2 128°.14 3°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.60	+ 8 52.7	1.700	2.538	15.0	19.2
10 18	3 34.40	+ 8 20.1	1.640	2.550	11.4	19.0
10 28	3 25.82	+ 7 47.5	1.603	2.561	7.4	18.8
11 7	3 15.73	+ 7 19.3	1.592	2.572	4.2	18.6
11 17	3 5.24	+ 6 59.7	1.610	2.582	5.1	18.7
11 27	2 55.57	+ 6 52.5	1.656	2.592	8.7	19.0
12 7	2 47.73	+ 6 59.5	1.728	2.601	12.3	19.2
12 17	2 42.36	+ 7 21.0	1.822	2.610	15.5	19.4

17887 1999 DE_{1} 11 12.2 198°.30 1°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.43	+16 13.2	1.513	2.356	16.4	18.7
10 18	3 34.05	+15 32.1	1.440	2.355	12.4	18.5
10 28	3 25.89	+14 41.9	1.389	2.353	7.7	18.2
11 7	3 15.82	+13 46.6	1.364	2.350	2.9	17.9
11 17	3 5.12	+12 51.7	1.365	2.348	3.6	18.0
11 27	2 55.21	+12 4.0	1.395	2.345	8.5	18.3
12 7	2 47.32	+11 29.3	1.449	2.342	13.0	18.5
12 17	2 42.22	+11 10.9	1.526	2.338	16.9	18.8

266442 2007 HC_{65} 11 12.2 112°.48 0°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.46	+17 53.1	2.497	3.317	11.4	21.3
10 18	3 30.00	+17 45.1	2.427	3.329	8.6	21.1
10 28	3 22.87	+17 31.5	2.382	3.341	5.3	20.9
11 7	3 14.68	+17 13.9	2.366	3.353	1.8	20.7
11 17	3 6.19	+16 54.2	2.379	3.364	1.8	20.7
11 27	2 58.21	+16 35.5	2.423	3.376	5.2	21.0
12 7	2 51.47	+16 20.4	2.496	3.387	8.3	21.2
12 17	2 46.46	+16 11.4	2.594	3.398	11.0	21.4

220718 2004 SX_{30} 11 12.2 28°.88 3°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.92	+28 2.3	1.927	2.731	14.9	19.9
10 18	3 32.64	+28 36.5	1.854	2.736	11.8	19.7
10 28	3 24.90	+28 57.8	1.802	2.742	8.3	19.5
11 7	3 15.48	+29 4.3	1.776	2.747	5.1	19.4
11 17	3 5.46	+28 56.0	1.777	2.753	4.1	19.3
11 27	2 56.07	+28 36.0	1.807	2.760	6.6	19.5
12 7	2 48.42	+28 9.4	1.863	2.766	10.0	19.7
12 17	2 43.23	+27 41.7	1.944	2.773	13.1	19.9

394957 2008 YT_{97} 11 12.2 300°.46 0°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.10	+19 47.5	1.753	2.585	14.9	21.7
10 18	3 32.07	+19 39.5	1.675	2.582	11.4	21.5
10 28	3 24.57	+19 22.3	1.620	2.580	7.2	21.2
11 7	3 15.38	+18 57.1	1.591	2.577	2.6	20.9
11 17	3 5.58	+18 26.8	1.589	2.575	2.2	20.9
11 27	2 56.42	+17 55.9	1.616	2.573	6.8	21.2
12 7	2 48.99	+17 29.4	1.669	2.570	11.0	21.5
12 17	2 44.04	+17 11.4	1.746	2.568	14.7	21.7

171058 2005 EY_{123} 11 12.2 172°.88 1°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.49	+15 8.0	2.008	2.841	13.3	20.9
10 18	3 31.19	+14 37.1	1.933	2.843	10.0	20.6
10 28	3 23.82	+14 0.6	1.882	2.844	6.2	20.4
11 7	3 15.07	+13 21.5	1.859	2.845	2.4	20.2
11 17	3 5.89	+12 43.6	1.864	2.846	2.9	20.2
11 27	2 57.30	+12 11.1	1.899	2.846	6.8	20.5
12 7	2 50.19	+11 47.9	1.960	2.846	10.5	20.7
12 17	2 45.20	+11 36.3	2.046	2.846	13.6	20.9

169460 2002 CD_{48} 11 12.2 212°.61 1°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.60	+17 46.6	1.484	2.327	16.6	20.3
10 18	3 33.50	+16 56.3	1.410	2.325	12.5	20.0
10 28	3 25.59	+15 54.4	1.358	2.322	7.8	19.7
11 7	3 15.76	+14 45.0	1.331	2.318	2.8	19.4
11 17	3 5.28	+13 34.5	1.331	2.314	3.4	19.5
11 27	2 55.60	+12 30.6	1.359	2.310	8.5	19.8
12 7	2 47.97	+11 40.4	1.412	2.306	13.2	20.0
12 17	2 43.15	+11 8.0	1.486	2.302	17.1	20.3

348404 2005 JB_{44} 11 12.2 282°.15 1°.8/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.17	+10 17.3	1.959	2.775	14.2	20.9
10 18	3 39.85	+10 54.2	1.847	2.746	10.9	20.6
10 28	3 29.69	+11 34.7	1.759	2.716	7.0	20.3
11 7	3 17.31	+12 19.1	1.700	2.685	2.9	20.0
11 17	3 3.72	+13 7.6	1.672	2.654	3.2	20.0
11 27	2 50.28	+14 0.2	1.676	2.623	7.6	20.2
12 7	2 38.34	+14 57.2	1.710	2.591	12.0	20.4
12 17	2 28.90	+15 59.1	1.768	2.559	15.8	20.5

41896 2000 WN_{123} 11 12.2 348°.60 0°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.18	+17 12.6	1.449	2.298	16.6	18.6
10 18	3 31.81	+17 3.9	1.377	2.294	12.6	18.3
10 28	3 24.60	+16 47.2	1.327	2.291	7.9	18.1
11 7	3 15.44	+16 24.9	1.300	2.288	2.7	17.8
11 17	3 5.55	+16 0.2	1.300	2.285	2.8	17.8
11 27	2 56.41	+15 38.4	1.327	2.283	8.0	18.1
12 7	2 49.27	+15 24.4	1.378	2.282	12.7	18.3
12 17	2 44.94	+15 21.5	1.451	2.282	16.7	18.6

378604 2008 ER_{137} 11 12.2 99°.05 0°.2/12.3 18

10 8	3 41.28	+18 53.8	1.532	2.366	16.6	21.0
10 18	3 35.33	+18 50.4	1.470	2.378	12.6	20.8
10 28	3 26.61	+18 38.1	1.430	2.390	7.9	20.5
11 7	3 16.08	+18 18.1	1.415	2.402	2.8	20.2
11 17	3 5.04	+17 53.4	1.428	2.414	2.4	20.3
11 27	2 54.93	+17 29.0	1.469	2.425	7.4	20.6
12 7	2 46.93	+17 9.8	1.536	2.437	11.9	20.9
12 17	2 41.75	+16 59.8	1.626	2.447	15.6	21.2

215119 1998 WU_{38} 11 12.2 317°.67 0°.6/11.9 17

10 8	3 35.41	+17 13.7	1.614	2.458	15.4	21.1
10 18	3 31.10	+17 4.8	1.529	2.444	11.7	20.9
10 28	3 24.15	+16 48.4	1.466	2.429	7.4	20.6
11 7	3 15.30	+16 26.3	1.428	2.416	2.6	20.3
11 17	3 5.66	+16 1.8	1.418	2.403	2.7	20.2
11 27	2 56.56	+15 39.4	1.434	2.390	7.6	20.5
12 7	2 49.22	+15 24.0	1.476	2.378	12.2	20.8
12 17	2 44.48	+15 19.1	1.540	2.366	16.1	21.0

417880 2007 PG_{26} 11 12.2 42°.18 2°.3/13.0 16

10 8	3 43.08	+21 16.9	0.947	1.808	22.4	19.8
10 18	3 37.78	+21 52.5	0.910	1.829	17.1	19.6
10 28	3 28.53	+22 13.8	0.890	1.852	11.0	19.4
11 7	3 16.77	+22 19.7	0.891	1.876	4.7	19.1
11 17	3 4.52	+22 12.2	0.916	1.901	3.5	19.1
11 27	2 53.94	+21 57.3	0.964	1.926	9.2	19.6
12 7	2 46.57	+21 43.0	1.035	1.952	14.5	19.9
12 17	2 43.11	+21 35.5	1.125	1.979	18.9	20.3

271575 2004 LQ_{12} 11 12.2 226°.98 2°.9/10.6 18

10 8	3 38.95	+11 53.5	1.828	2.665	14.2	21.6
10 18	3 33.34	+11 21.1	1.745	2.656	10.8	21.4
10 28	3 25.34	+10 45.2	1.686	2.646	6.9	21.2
11 7	3 15.67	+10 9.4	1.653	2.636	3.3	20.9
11 17	3 5.37	+ 9 37.9	1.649	2.626	4.1	21.0
11 27	2 55.62	+ 9 15.4	1.673	2.615	8.1	21.2
12 7	2 47.50	+ 9 5.2	1.724	2.603	12.0	21.4
12 17	2 41.74	+ 9 9.3	1.797	2.591	15.5	21.6

320032 2007 DK_{97} 11 12.2 273°.46 3°.3/10.3 18

10 8	3 36.15	+12 49.7	1.580	2.430	15.4	20.9
10 18	3 31.53	+11 54.3	1.503	2.420	11.7	20.6
10 28	3 24.32	+10 52.5	1.448	2.411	7.4	20.4
11 7	3 15.33	+ 9 49.4	1.418	2.402	3.7	20.1
11 17	3 5.68	+ 8 51.6	1.416	2.392	4.8	20.2
11 27	2 56.69	+ 8 5.7	1.441	2.383	9.0	20.4
12 7	2 49.49	+ 7 36.6	1.490	2.374	13.3	20.6
12 17	2 44.85	+ 7 26.5	1.561	2.364	17.0	20.8

17348 4166 T-3 11 12.2 333°.83 2°.4/11.1 18

10 8	3 37.87	+13 0.7	1.546	2.393	15.8	18.2
10 18	3 32.84	+12 44.1	1.474	2.391	12.0	18.0
10 28	3 25.15	+12 23.7	1.425	2.389	7.5	17.7
11 7	3 15.62	+12 2.9	1.401	2.386	3.2	17.4
11 17	3 5.44	+11 45.5	1.403	2.384	3.8	17.5
11 27	2 55.98	+11 35.8	1.433	2.383	8.3	17.7
12 7	2 48.41	+11 37.2	1.488	2.381	12.7	18.0
12 17	2 43.50	+11 51.4	1.565	2.380	16.4	18.2

39848 1998 BW_{44} 11 12.2 143°.76 5°.0/ 9.8 18

10 8	3 40.22	+ 7 28.4	1.566	2.411	15.8	19.2
10 18	3 34.36	+ 6 42.4	1.505	2.417	12.1	19.0
10 28	3 25.94	+ 5 57.1	1.466	2.423	8.1	18.8
11 7	3 15.85	+ 5 18.3	1.453	2.429	5.2	18.7
11 17	3 5.27	+ 4 51.2	1.467	2.435	6.2	18.7
11 27	2 55.54	+ 4 40.3	1.508	2.440	9.8	19.0
12 7	2 47.75	+ 4 47.6	1.574	2.444	13.5	19.2
12 17	2 42.57	+ 5 12.5	1.662	2.448	16.9	19.4

407138 2009 SW_{366} 11 12.2 356°.73 1°.6/13.1 17

10 8	3 36.96	+21 41.4	1.975	2.796	13.9	20.7
10 18	3 31.80	+22 4.0	1.896	2.795	10.7	20.5
10 28	3 24.35	+22 18.4	1.839	2.794	7.0	20.3
11 7	3 15.33	+22 24.3	1.810	2.793	3.1	20.0
11 17	3 5.70	+22 22.5	1.808	2.793	2.3	20.0
11 27	2 56.61	+22 15.7	1.836	2.793	6.1	20.2
12 7	2 49.08	+22 7.6	1.891	2.793	9.9	20.5
12 17	2 43.82	+22 2.1	1.970	2.794	13.2	20.7

331227 2011 BQ_{78} 11 12.2 68°.95 5°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.88	+ 6 26.1	1.360	2.213	17.2	20.1
10 18	3 34.27	+ 5 44.6	1.312	2.228	13.1	19.9
10 28	3 25.90	+ 5 6.2	1.285	2.243	8.9	19.7
11 7	3 15.82	+ 4 36.9	1.282	2.258	5.8	19.6
11 17	3 5.36	+ 4 22.2	1.306	2.273	6.8	19.7
11 27	2 55.94	+ 4 25.6	1.355	2.288	10.4	19.9
12 7	2 48.69	+ 4 47.9	1.428	2.303	14.3	20.2
12 17	2 44.27	+ 5 27.6	1.522	2.318	17.7	20.5

333309 2001 FR_{116} 11 12.2 160°.06 3°.6/ 9.8 16

10 8	3 39.57	+ 9 16.1	2.109	2.937	12.9	22.2
10 18	3 33.27	+ 8 25.8	2.041	2.946	9.7	22.0
10 28	3 25.00	+ 7 34.2	1.998	2.955	6.4	21.8
11 7	3 15.48	+ 6 45.6	1.984	2.962	3.8	21.7
11 17	3 5.63	+ 6 4.5	2.000	2.968	4.7	21.8
11 27	2 56.41	+ 5 35.0	2.045	2.973	7.8	22.0
12 7	2 48.69	+ 5 19.6	2.117	2.978	11.0	22.2
12 17	2 43.02	+ 5 19.2	2.213	2.981	13.7	22.4

365282 2009 QQ_{55} 11 12.2 140°.61 3°.4/ 9.5 18

10 8	3 33.20	+ 9 45.3	2.301	3.137	11.7	21.1
10 18	3 28.42	+ 8 47.9	2.232	3.142	8.8	20.9
10 28	3 21.95	+ 7 48.6	2.188	3.146	5.7	20.7
11 7	3 14.42	+ 6 51.9	2.172	3.150	3.5	20.6
11 17	3 6.58	+ 6 2.0	2.185	3.154	4.4	20.7
11 27	2 59.25	+ 5 23.3	2.228	3.157	7.2	20.9
12 7	2 53.14	+ 4 58.2	2.298	3.161	10.1	21.1
12 17	2 48.78	+ 4 48.0	2.391	3.164	12.7	21.2

479627 2014 DP_{36} 11 12.2 308°.30 2°.4/13.3 18

10 8	3 37.85	+23 3.6	1.438	2.274	17.4	21.5
10 18	3 33.53	+23 23.4	1.349	2.256	13.6	21.2
10 28	3 26.01	+23 31.3	1.281	2.238	9.1	20.9
11 7	3 16.06	+23 25.9	1.236	2.220	4.3	20.6
11 17	3 4.98	+23 8.0	1.218	2.202	3.2	20.5
11 27	2 54.44	+22 41.8	1.225	2.185	8.0	20.7
12 7	2 45.98	+22 13.8	1.257	2.168	13.0	20.9
12 17	2 40.66	+21 50.9	1.311	2.152	17.5	21.2

302109 2001 KS_{50} 11 12.2 142°.97 4°.3/ 9.6 18

10 8	3 38.55	+ 4 39.6	2.323	3.148	12.0	21.6
10 18	3 32.32	+ 4 14.1	2.259	3.159	9.2	21.5
10 28	3 24.33	+ 3 51.8	2.220	3.170	6.3	21.3
11 7	3 15.24	+ 3 36.2	2.210	3.180	4.4	21.2
11 17	3 5.85	+ 3 30.0	2.229	3.189	5.1	21.3
11 27	2 57.04	+ 3 35.6	2.278	3.198	7.6	21.5
12 7	2 49.56	+ 3 53.7	2.354	3.206	10.3	21.6
12 17	2 43.93	+ 4 23.9	2.454	3.214	12.8	21.8

335485 2005 WD_{154} 11 12.2 26°.13 1°.5/11.7 18

10 8	3 38.20	+14 22.1	1.113	1.979	19.4	20.1
10 18	3 33.71	+14 31.6	1.064	1.990	14.6	19.8
10 28	3 25.89	+14 36.6	1.035	2.002	9.1	19.6
11 7	3 15.89	+14 39.5	1.029	2.016	3.3	19.3
11 17	3 5.31	+14 43.1	1.046	2.031	3.5	19.4
11 27	2 55.91	+14 51.4	1.089	2.047	9.1	19.8
12 7	2 49.05	+15 7.7	1.155	2.064	14.1	20.1
12 17	2 45.51	+15 33.9	1.240	2.082	18.3	20.4

185125 2006 ST_{73} 11 12.3 124°.33 1°.2/11.7 17

10 8	3 40.78	+16 19.3	1.562	2.400	16.2	21.1
10 18	3 34.91	+16 0.4	1.498	2.409	12.2	20.9
10 28	3 26.35	+15 34.4	1.456	2.418	7.6	20.7
11 7	3 16.04	+15 4.0	1.439	2.426	2.7	20.4
11 17	3 5.20	+14 33.0	1.450	2.434	3.0	20.4
11 27	2 55.24	+14 6.5	1.489	2.442	7.8	20.8
12 7	2 47.30	+13 49.0	1.554	2.449	12.1	21.0
12 17	2 42.09	+13 43.6	1.642	2.456	15.8	21.3

465211 2007 RW_{5} 11 12.3 64°.00 1°.3/11.7 17

10 8	3 42.04	+18 18.4	1.119	1.974	20.0	21.1
10 18	3 36.26	+17 33.8	1.080	2.000	15.0	20.9
10 28	3 27.22	+16 37.5	1.061	2.027	9.2	20.7
11 7	3 16.28	+15 34.8	1.066	2.053	3.2	20.4
11 17	3 5.11	+14 33.1	1.096	2.080	3.5	20.5
11 27	2 55.43	+13 40.7	1.151	2.107	9.1	20.9
12 7	2 48.46	+13 3.8	1.230	2.133	14.0	21.3
12 17	2 44.79	+12 45.3	1.330	2.159	18.0	21.6

330547 2008 AK_{72} 11 12.3 338°.09 3°.5/10.9 18

10 8	3 39.07	+11 4.6	1.252	2.111	18.1	20.6
10 18	3 34.31	+10 48.7	1.185	2.107	13.7	20.4
10 28	3 26.35	+10 31.1	1.138	2.103	8.8	20.1
11 7	3 16.14	+10 15.9	1.115	2.099	4.2	19.8
11 17	3 5.10	+10 7.8	1.117	2.096	5.0	19.9
11 27	2 54.91	+10 11.3	1.144	2.094	9.9	20.1
12 7	2 47.01	+10 29.1	1.195	2.091	14.8	20.4
12 17	2 42.30	+11 2.1	1.265	2.090	19.0	20.7

367258 2007 RM_{302} 11 12.3 310°.92 1°.4/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.67	+20 55.7	1.240	2.088	18.9	21.1
10 18	3 35.11	+21 6.0	1.166	2.080	14.6	20.8
10 28	3 27.06	+21 4.2	1.111	2.073	9.5	20.5
11 7	3 16.45	+20 50.3	1.079	2.065	3.8	20.2
11 17	3 4.79	+20 26.4	1.073	2.058	2.9	20.1
11 27	2 53.95	+19 58.1	1.091	2.052	8.7	20.4
12 7	2 45.56	+19 32.6	1.134	2.045	14.1	20.7
12 17	2 40.62	+19 16.2	1.196	2.039	18.7	21.0

254025 2004 FV_{109} 11 12.3 239°.02 4°.2/ 8.7 18

10 8	3 34.05	+ 8 15.8	2.236	3.073	12.0	21.0
10 18	3 29.23	+ 7 2.0	2.153	3.062	9.1	20.8
10 28	3 22.58	+ 5 45.8	2.095	3.050	6.2	20.6
11 7	3 14.71	+ 4 32.3	2.065	3.038	4.3	20.5
11 17	3 6.40	+ 3 27.3	2.064	3.025	5.3	20.5
11 27	2 58.53	+ 2 35.7	2.093	3.013	8.2	20.7
12 7	2 51.90	+ 2 0.9	2.148	2.999	11.2	20.8
12 17	2 47.09	+ 1 44.2	2.226	2.986	13.9	21.0

124617 2001 SL_{48} 11 12.3 67°.40 1°.3/11.7 18

10 8	3 42.95	+16 13.9	1.147	2.001	19.7	19.4
10 18	3 37.08	+16 0.9	1.101	2.021	14.8	19.2
10 28	3 27.87	+15 40.0	1.076	2.041	9.1	18.9
11 7	3 16.57	+15 14.4	1.073	2.061	3.2	18.6
11 17	3 4.85	+14 48.5	1.097	2.081	3.4	18.7
11 27	2 54.49	+14 28.4	1.145	2.101	9.0	19.1
12 7	2 46.81	+14 19.0	1.218	2.121	14.0	19.5
12 17	2 42.52	+14 23.0	1.310	2.141	18.1	19.8

221707 2007 DE_{111} 11 12.3 43°.85 1°.2/11.5 18

10 8	3 34.14	+16 34.4	1.863	2.703	13.9	20.6
10 18	3 29.51	+16 0.5	1.801	2.713	10.4	20.4
10 28	3 22.80	+15 19.9	1.762	2.725	6.4	20.2
11 7	3 14.78	+14 35.8	1.749	2.736	2.3	20.0
11 17	3 6.40	+13 52.3	1.765	2.748	2.7	20.0
11 27	2 58.71	+13 14.3	1.809	2.760	6.7	20.3
12 7	2 52.59	+12 45.7	1.879	2.772	10.5	20.5
12 17	2 48.61	+12 29.2	1.973	2.785	13.6	20.8

90908 1997 GJ_{1} 11 12.3 36°.30 4°.3/ 9.3 18

10 8	3 32.74	+ 9 56.3	1.705	2.557	14.3	19.1
10 18	3 28.51	+ 8 44.7	1.652	2.570	10.8	18.9
10 28	3 22.18	+ 7 31.2	1.623	2.584	7.1	18.7
11 7	3 14.55	+ 6 22.1	1.620	2.598	4.4	18.6
11 17	3 6.62	+ 5 23.6	1.644	2.613	5.5	18.7
11 27	2 59.45	+ 4 41.0	1.696	2.628	8.8	18.9
12 7	2 53.88	+ 4 17.3	1.772	2.643	12.2	19.2
12 17	2 50.48	+ 4 12.7	1.870	2.659	15.2	19.4

74593 1999 PS_{4} 11 12.3 350°.17 0°.7/12.6 18

10 8	3 33.83	+20 59.6	1.087	1.952	19.8	18.7
10 18	3 30.90	+20 47.4	1.021	1.945	15.2	18.4
10 28	3 24.47	+20 19.7	0.973	1.939	9.7	18.1
11 7	3 15.55	+19 38.4	0.947	1.934	3.6	17.8
11 17	3 5.68	+18 48.5	0.944	1.931	2.9	17.7
11 27	2 56.75	+17 58.3	0.965	1.928	9.1	18.1
12 7	2 50.35	+17 16.6	1.009	1.927	14.7	18.4
12 17	2 47.41	+16 49.6	1.071	1.927	19.4	18.7

175513 2006 SS_{26} 11 12.3 49°.95 1°.8/13.2 18

10 8	3 37.99	+22 47.7	1.754	2.579	15.3	20.3
10 18	3 32.75	+22 57.6	1.685	2.585	11.7	20.1
10 28	3 25.02	+22 56.7	1.638	2.592	7.7	19.9
11 7	3 15.62	+22 45.0	1.616	2.599	3.4	19.6
11 17	3 5.67	+22 24.3	1.622	2.607	2.5	19.6
11 27	2 56.45	+21 58.5	1.656	2.614	6.5	19.9
12 7	2 49.04	+21 32.9	1.717	2.622	10.6	20.1
12 17	2 44.15	+21 12.3	1.802	2.630	14.0	20.4

178818 2001 FK_{122} 11 12.3 153°.37 1°.3/11.5 17

10 8	3 39.72	+16 45.1	1.721	2.555	15.1	21.0
10 18	3 33.93	+16 11.4	1.652	2.561	11.4	20.7
10 28	3 25.68	+15 29.6	1.605	2.567	7.1	20.5
11 7	3 15.83	+14 43.1	1.585	2.572	2.5	20.2
11 17	3 5.50	+13 56.3	1.594	2.577	2.9	20.3
11 27	2 55.93	+13 14.7	1.631	2.581	7.4	20.6
12 7	2 48.20	+12 43.2	1.694	2.585	11.6	20.8
12 17	2 42.96	+12 24.8	1.781	2.588	15.1	21.1

102833 1999 VU_{189} 11 12.3 6°.83 2°.0/11.2 18

10 8	3 31.71	+16 27.8	1.201	2.070	18.0	18.9
10 18	3 28.74	+15 45.5	1.143	2.071	13.6	18.7
10 28	3 22.81	+14 53.0	1.104	2.073	8.4	18.4
11 7	3 14.89	+13 55.7	1.089	2.076	3.2	18.1
11 17	3 6.35	+13 0.4	1.097	2.081	3.9	18.2
11 27	2 58.74	+12 14.9	1.131	2.087	9.1	18.5
12 7	2 53.31	+11 45.3	1.188	2.095	14.0	18.8
12 17	2 50.81	+11 34.3	1.264	2.103	18.1	19.1

232082 2001 WS_{26} 11 12.3 330°.39 1°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.51	+16 49.6	1.308	2.167	17.4	20.3
10 18	3 30.92	+16 23.8	1.232	2.155	13.3	20.0
10 28	3 24.29	+15 48.2	1.176	2.143	8.3	19.7
11 7	3 15.47	+15 6.1	1.144	2.131	3.0	19.3
11 17	3 5.77	+14 22.8	1.137	2.121	3.4	19.3
11 27	2 56.78	+13 45.2	1.155	2.111	8.9	19.6
12 7	2 49.89	+13 19.5	1.196	2.103	14.0	19.9
12 17	2 46.02	+13 9.7	1.258	2.095	18.4	20.2

57932 2002 GA_{161} 11 12.3 87°.84 3°.7/10.5 18 R

10 8	3 41.01	+11 12.1	1.398	2.247	17.1	19.1
10 18	3 35.11	+10 32.8	1.348	2.264	12.8	18.9
10 28	3 26.45	+ 9 51.2	1.319	2.281	8.2	18.7
11 7	3 16.08	+ 9 12.3	1.315	2.298	4.1	18.5
11 17	3 5.34	+ 8 41.5	1.338	2.314	5.0	18.6
11 27	2 55.66	+ 8 23.8	1.388	2.331	9.3	18.9
12 7	2 48.17	+ 8 21.9	1.462	2.347	13.4	19.2
12 17	2 43.52	+ 8 36.4	1.558	2.363	17.0	19.4

56074 1998 YG_{18} 11 12.3 304°.76 1°.8/11.3 18

10 8	3 35.80	+16 6.2	1.417	2.270	16.7	19.3
10 18	3 31.74	+15 32.1	1.334	2.253	12.7	19.0
10 28	3 24.75	+14 48.6	1.272	2.237	8.0	18.7
11 7	3 15.63	+13 59.3	1.234	2.221	3.0	18.4
11 17	3 5.61	+13 9.7	1.222	2.206	3.7	18.4
11 27	2 56.21	+12 26.6	1.237	2.190	8.9	18.7
12 7	2 48.78	+11 56.4	1.276	2.175	13.8	18.9
12 17	2 44.23	+11 43.1	1.335	2.161	18.1	19.1

16348 3465 $T\text{-}_{3}$ 11 12.3 80°.24 2°.6/13.9 18

10 8	3 38.62	+25 29.5	2.193	2.995	13.3	18.6
10 18	3 32.78	+25 52.9	2.124	3.009	10.4	18.4
10 28	3 24.84	+26 5.8	2.079	3.023	7.0	18.2
11 7	3 15.52	+26 7.5	2.060	3.037	3.8	18.0
11 17	3 5.78	+25 58.6	2.071	3.051	2.9	18.0
11 27	2 56.66	+25 42.0	2.111	3.065	5.7	18.2
12 7	2 49.07	+25 21.8	2.179	3.079	8.9	18.4
12 17	2 43.62	+25 2.4	2.272	3.093	11.8	18.7

441757 2009 CK_{21} 11 12.3 8°.00 8°.5/17.7 15

10 8	3 38.96	+38 54.8	1.579	2.353	18.9	20.9
10 18	3 34.37	+39 35.3	1.505	2.354	16.0	20.7
10 28	3 26.47	+39 51.0	1.450	2.355	12.8	20.5
11 7	3 16.22	+39 37.1	1.416	2.356	9.9	20.4
11 17	3 5.13	+38 52.4	1.407	2.358	8.5	20.3
11 27	2 54.97	+37 41.5	1.423	2.361	9.6	20.4
12 7	2 47.23	+36 14.2	1.463	2.364	12.3	20.5
12 17	2 42.78	+34 41.8	1.526	2.367	15.4	20.7

93597 2000 UX_{55} 11 12.3 23°.35 4°.5/10.9 18

10 8	3 37.55	+ 8 7.5	1.038	1.912	19.8	18.1
10 18	3 33.20	+ 8 8.6	0.998	1.926	15.0	17.9
10 28	3 25.55	+ 8 13.5	0.977	1.943	9.7	17.6
11 7	3 15.82	+ 8 26.3	0.977	1.961	5.1	17.4
11 17	3 5.62	+ 8 50.0	1.002	1.980	5.8	17.5
11 27	2 56.70	+ 9 26.5	1.050	2.001	10.4	17.9
12 7	2 50.36	+10 15.9	1.121	2.023	15.1	18.2
12 17	2 47.30	+11 16.4	1.211	2.047	19.0	18.5

208746 2002 NW_{60} 11 12.3 15°.42 4°.1/10.0 18

10 8	3 35.24	+ 9 46.7	1.573	2.426	15.3	20.1
10 18	3 30.72	+ 9 2.6	1.509	2.427	11.6	19.8
10 28	3 23.76	+ 8 17.0	1.468	2.430	7.6	19.6
11 7	3 15.19	+ 7 35.1	1.451	2.432	4.4	19.4
11 17	3 6.11	+ 7 2.3	1.462	2.435	5.3	19.5
11 27	2 57.78	+ 6 43.3	1.499	2.438	9.1	19.7
12 7	2 51.22	+ 6 41.1	1.561	2.442	13.0	20.0
12 17	2 47.13	+ 6 55.9	1.644	2.446	16.4	20.2

510245 2011 FZ_{117} 11 12.3 142°.12 0°.8/12.8 18

10 8	3 39.04	+22 30.2	1.803	2.624	15.0	22.1
10 18	3 33.40	+22 2.3	1.731	2.632	11.5	21.9
10 28	3 25.35	+21 21.7	1.682	2.639	7.3	21.7
11 7	3 15.73	+20 30.4	1.660	2.645	2.8	21.4
11 17	3 5.66	+19 32.2	1.666	2.652	2.1	21.4
11 27	2 56.37	+18 33.1	1.701	2.658	6.6	21.7
12 7	2 48.87	+17 39.3	1.764	2.663	10.7	21.9
12 17	2 43.84	+16 55.9	1.850	2.668	14.1	22.2

213747 2002 XR_{48} 11 12.3 252°.63 2°.1/11.2 18

10 8	3 38.51	+11 43.3	1.942	2.776	13.6	20.2
10 18	3 32.88	+11 42.5	1.865	2.774	10.3	20.0
10 28	3 25.02	+11 40.4	1.811	2.772	6.5	19.8
11 7	3 15.64	+11 39.3	1.784	2.769	2.8	19.6
11 17	3 5.71	+11 41.4	1.787	2.767	3.3	19.6
11 27	2 56.33	+11 49.3	1.818	2.764	7.1	19.8
12 7	2 48.47	+12 5.0	1.876	2.762	10.9	20.1
12 17	2 42.84	+12 29.6	1.958	2.759	14.1	20.3

133186 2003 QH_{53} 11 12.3 30°.21 2°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.64	+14 9.0	1.312	2.171	17.4	19.4
10 18	3 32.12	+13 51.8	1.260	2.182	13.1	19.2
10 28	3 24.75	+13 29.7	1.228	2.194	8.1	18.9
11 7	3 15.56	+13 6.3	1.221	2.207	3.2	18.7
11 17	3 5.87	+12 45.9	1.239	2.221	3.8	18.7
11 27	2 57.18	+12 33.6	1.282	2.236	8.6	19.1
12 7	2 50.66	+12 32.7	1.350	2.251	13.1	19.4
12 17	2 47.00	+12 45.0	1.439	2.267	16.9	19.7

292590 2006 TB_{101} 11 12.3 37°.58 0°.7/12.7 18

10 8	3 35.46	+21 37.2	1.750	2.582	15.0	21.2
10 18	3 30.79	+21 15.2	1.681	2.587	11.4	21.0
10 28	3 23.77	+20 41.6	1.634	2.593	7.2	20.8
11 7	3 15.20	+19 58.5	1.613	2.599	2.7	20.5
11 17	3 6.17	+19 9.5	1.619	2.605	2.1	20.5
11 27	2 57.86	+18 20.1	1.654	2.612	6.6	20.8
12 7	2 51.28	+17 36.2	1.715	2.619	10.7	21.0
12 17	2 47.09	+17 2.2	1.800	2.626	14.2	21.3

513653 2011 SX_{107} 11 12.3 108°.97 4°.8/14.9 18

10 8	3 43.85	+30 7.3	1.955	2.740	15.3	21.2
10 18	3 37.17	+30 56.5	1.884	2.753	12.3	21.0
10 28	3 27.83	+31 31.6	1.836	2.765	9.0	20.8
11 7	3 16.66	+31 49.5	1.813	2.777	5.9	20.7
11 17	3 4.85	+31 49.2	1.819	2.789	4.9	20.6
11 27	2 53.77	+31 33.4	1.854	2.800	7.0	20.8
12 7	2 44.60	+31 7.6	1.916	2.811	10.2	21.0
12 17	2 38.10	+30 38.2	2.002	2.822	13.1	21.2

261841 2006 DD_{87} 11 12.3 223°.19 0°.9/11.5 17

10 8	3 33.85	+15 58.3	2.700	3.523	10.6	21.1
10 18	3 28.86	+15 36.7	2.611	3.515	7.9	20.9
10 28	3 22.29	+15 10.4	2.548	3.508	4.9	20.7
11 7	3 14.65	+14 41.4	2.513	3.500	1.8	20.4
11 17	3 6.63	+14 12.0	2.508	3.491	2.1	20.5
11 27	2 58.98	+13 45.3	2.534	3.483	5.3	20.7
12 7	2 52.38	+13 24.2	2.589	3.474	8.3	20.8
12 17	2 47.36	+13 10.8	2.669	3.464	10.9	21.0

81105 2000 EM_{114} 11 12.3 275°.46 2°.8/10.3 18

10 8	3 34.41	+13 14.5	1.895	2.737	13.6	19.2
10 18	3 29.88	+12 18.5	1.812	2.726	10.2	18.9
10 28	3 23.19	+11 16.4	1.752	2.715	6.5	18.7
11 7	3 15.02	+10 12.6	1.720	2.704	3.2	18.5
11 17	3 6.31	+ 9 12.7	1.716	2.692	4.1	18.5
11 27	2 58.11	+ 8 22.5	1.740	2.681	7.9	18.7
12 7	2 51.39	+ 7 46.4	1.790	2.670	11.7	18.9
12 17	2 46.82	+ 7 27.0	1.863	2.658	15.0	19.1

146470 2001 RM_{78} 11 12.3 45°.21 4°.1/14.3 18

10 8	3 40.50	+27 6.7	1.623	2.437	16.8	19.1
10 18	3 34.86	+27 47.2	1.565	2.454	13.2	18.9
10 28	3 26.43	+28 13.3	1.528	2.472	9.2	18.7
11 7	3 16.16	+28 23.0	1.516	2.490	5.4	18.5
11 17	3 5.34	+28 16.5	1.530	2.508	4.3	18.5
11 27	2 55.44	+27 57.4	1.573	2.527	7.2	18.7
12 7	2 47.64	+27 32.0	1.641	2.547	10.9	19.0
12 17	2 42.68	+27 6.5	1.732	2.566	14.2	19.2

223129 2002 VD_{67} 11 12.3 49°.99 0°.7/12.6 18

10 8	3 38.87	+21 15.1	1.260	2.108	18.7	19.9
10 18	3 33.99	+20 58.0	1.208	2.122	14.2	19.6
10 28	3 25.99	+20 27.0	1.175	2.137	9.0	19.4
11 7	3 16.01	+19 44.6	1.165	2.152	3.3	19.1
11 17	3 5.54	+18 55.6	1.182	2.168	2.6	19.1
11 27	2 56.22	+18 7.2	1.224	2.184	8.0	19.5
12 7	2 49.31	+17 26.6	1.291	2.200	12.9	19.8
12 17	2 45.52	+16 59.0	1.379	2.217	17.0	20.1

410658 2008 SH_{137} 11 12.3 347°.26 1°.0/12.9 17

10 8	3 36.10	+20 39.3	2.224	3.043	12.6	20.9
10 18	3 30.94	+20 54.6	2.142	3.041	9.7	20.7
10 28	3 23.77	+21 3.0	2.084	3.040	6.2	20.5
11 7	3 15.23	+21 4.7	2.053	3.038	2.5	20.3
11 17	3 6.16	+21 0.6	2.052	3.037	1.9	20.2
11 27	2 57.56	+20 53.2	2.079	3.036	5.6	20.5
12 7	2 50.31	+20 45.9	2.135	3.035	9.1	20.7
12 17	2 45.06	+20 41.7	2.216	3.034	12.1	20.9

116378 2003 YJ_{114} 11 12.3 1°.55 0°.4/12.1 18

10 8	3 34.67	+17 56.3	1.403	2.256	16.8	19.3
10 18	3 30.76	+17 47.9	1.336	2.254	12.8	19.0
10 28	3 24.04	+17 30.6	1.289	2.253	8.0	18.8
11 7	3 15.38	+17 6.7	1.266	2.254	2.8	18.5
11 17	3 6.05	+16 39.9	1.269	2.255	2.7	18.5
11 27	2 57.49	+16 15.5	1.299	2.257	7.9	18.8
12 7	2 50.95	+15 58.5	1.352	2.260	12.6	19.1
12 17	2 47.22	+15 52.7	1.427	2.264	16.6	19.3

247307 2001 TA_{92} 11 12.3 33°.77 1°.4/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.15	+22 38.8	1.675	2.506	15.6	20.5
10 18	3 31.44	+22 33.8	1.609	2.514	11.9	20.3
10 28	3 24.24	+22 16.9	1.565	2.522	7.7	20.0
11 7	3 15.40	+21 49.1	1.546	2.530	3.3	19.8
11 17	3 6.06	+21 13.2	1.554	2.539	2.3	19.7
11 27	2 57.49	+20 34.4	1.590	2.549	6.6	20.0
12 7	2 50.76	+19 58.2	1.652	2.558	10.8	20.3
12 17	2 46.54	+19 29.6	1.737	2.568	14.3	20.6

339331 2004 XZ_{175} 11 12.3 36°.04 1°.4/13.1 18

10 8	3 36.48	+23 26.6	1.356	2.198	17.9	20.4
10 18	3 32.10	+23 6.3	1.299	2.209	13.7	20.2
10 28	3 24.79	+22 30.2	1.261	2.221	8.9	19.9
11 7	3 15.60	+21 40.4	1.248	2.233	3.7	19.7
11 17	3 5.91	+20 41.5	1.260	2.246	2.6	19.6
11 27	2 57.25	+19 41.2	1.299	2.260	7.6	20.0
12 7	2 50.81	+18 47.2	1.363	2.274	12.2	20.3
12 17	2 47.29	+18 5.4	1.449	2.289	16.2	20.6

409102 2003 SU_{394} 11 12.3 283°.45 6°.2/ 6.8 17

10 8	3 31.55	+ 1 34.1	2.287	3.124	11.7	21.0
10 18	3 27.32	+ 0 9.3	2.213	3.114	9.3	20.8
10 28	3 21.41	− 1 12.6	2.165	3.104	7.1	20.7
11 7	3 14.38	− 2 25.8	2.143	3.094	6.2	20.6
11 17	3 6.96	− 3 24.4	2.150	3.084	7.2	20.6
11 27	2 59.96	− 4 4.2	2.185	3.075	9.4	20.8
12 7	2 54.11	− 4 23.2	2.244	3.065	11.9	20.9
12 17	2 49.96	− 4 21.7	2.324	3.055	14.2	21.1

512221 2015 TW_{260} 11 12.3 94°.51 8°.6/20.8 18

10 8	3 44.58	+47 24.7	2.100	2.795	17.1	20.5
10 18	3 37.75	+47 25.2	2.030	2.813	14.8	20.4
10 28	3 28.08	+46 58.2	1.978	2.830	12.4	20.3
11 7	3 16.69	+46 0.3	1.948	2.848	10.1	20.2
11 17	3 5.03	+44 32.1	1.944	2.865	8.7	20.1
11 27	2 54.61	+42 39.0	1.967	2.882	8.9	20.2
12 7	2 46.55	+40 31.0	2.018	2.898	10.5	20.3
12 17	2 41.44	+38 19.0	2.095	2.914	12.7	20.5

319269 2006 BU_{41} 11 12.3 49°.62 2°.1/11.2 18

10 8	3 36.85	+14 52.2	1.517	2.366	16.0	20.1
10 18	3 32.03	+14 17.1	1.456	2.373	12.0	19.9
10 28	3 24.62	+13 35.7	1.417	2.381	7.5	19.7
11 7	3 15.54	+12 51.9	1.403	2.390	3.0	19.4
11 17	3 5.99	+12 10.9	1.416	2.398	3.7	19.5
11 27	2 57.28	+11 38.3	1.456	2.407	8.1	19.8
12 7	2 50.49	+11 18.3	1.522	2.416	12.4	20.1
12 17	2 46.32	+11 13.2	1.609	2.425	16.0	20.3

275191 2009 WE_{86} 11 12.3 291°.12 2°.6/14.3 17

10 8	3 34.47	+27 25.7	2.288	3.089	12.9	20.7
10 18	3 29.85	+27 21.5	2.191	3.075	10.2	20.5
10 28	3 23.16	+27 4.5	2.117	3.060	7.0	20.3
11 7	3 15.05	+26 34.6	2.069	3.046	3.9	20.1
11 17	3 6.36	+25 53.2	2.050	3.031	2.9	20.0
11 27	2 58.10	+25 4.0	2.061	3.017	5.6	20.1
12 7	2 51.18	+24 12.2	2.099	3.003	9.0	20.3
12 17	2 46.27	+23 23.2	2.163	2.988	12.1	20.5

50189 2000 AB_{190} 11 12.3 52°.84 1°.7/11.1 18

10 8	3 35.23	+18 51.2	1.553	2.397	15.9	17.8
10 18	3 30.64	+17 28.8	1.496	2.411	11.9	17.6
10 28	3 23.63	+15 54.1	1.461	2.425	7.3	17.4
11 7	3 15.16	+14 13.3	1.453	2.440	2.7	17.1
11 17	3 6.37	+12 34.5	1.472	2.455	3.4	17.2
11 27	2 58.50	+11 6.3	1.520	2.470	7.9	17.5
12 7	2 52.51	+ 9 55.5	1.594	2.485	12.1	17.8
12 17	2 48.99	+ 9 5.5	1.689	2.500	15.6	18.1

182183 2000 SK_{324} 11 12.3 58°.96 1°.7/11.2 18

10 8	3 34.77	+15 41.1	1.877	2.716	13.8	20.6
10 18	3 29.99	+15 0.3	1.815	2.727	10.3	20.4
10 28	3 23.14	+14 13.2	1.776	2.739	6.4	20.2
11 7	3 14.99	+13 23.5	1.764	2.751	2.5	20.0
11 17	3 6.49	+12 35.7	1.781	2.762	3.0	20.1
11 27	2 58.69	+11 54.8	1.826	2.774	6.9	20.3
12 7	2 52.45	+11 24.6	1.897	2.786	10.6	20.6
12 17	2 48.34	+11 7.6	1.992	2.798	13.7	20.8

27839 1994 PX_{20} 11 12.3 134°.06 1°.1/12.9 18

10 8	3 40.53	+21 56.2	1.699	2.523	15.7	19.5
10 18	3 34.70	+21 46.6	1.630	2.531	12.0	19.3
10 28	3 26.28	+21 25.4	1.582	2.539	7.7	19.1
11 7	3 16.14	+20 53.6	1.561	2.546	3.1	18.8
11 17	3 5.47	+20 14.2	1.568	2.553	2.3	18.8
11 27	2 55.61	+19 32.4	1.603	2.560	6.8	19.1
12 7	2 47.68	+18 54.1	1.665	2.566	11.1	19.3
12 17	2 42.39	+18 24.3	1.750	2.572	14.7	19.6

43711 3005 T_{-2} 11 12.3 298°.93 0°.6/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.66	+17 42.5	1.326	2.176	17.8	18.9
10 18	3 34.14	+17 32.9	1.248	2.165	13.6	18.6
10 28	3 26.40	+17 13.8	1.190	2.154	8.6	18.3
11 7	3 16.31	+16 47.2	1.156	2.143	3.0	18.0
11 17	3 5.24	+16 16.9	1.147	2.133	3.0	17.9
11 27	2 54.89	+15 48.8	1.165	2.122	8.7	18.3
12 7	2 46.74	+15 28.9	1.206	2.112	13.9	18.5
12 17	2 41.77	+15 21.8	1.269	2.103	18.4	18.8

401358 2013 BM_{24} 11 12.3 288°.11 1°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.86	+24 12.7	1.796	2.617	15.1	21.1
10 18	3 32.03	+24 5.6	1.713	2.612	11.7	20.9
10 28	3 24.69	+23 45.4	1.653	2.606	7.7	20.6
11 7	3 15.62	+23 12.5	1.617	2.600	3.5	20.4
11 17	3 5.90	+22 29.4	1.610	2.595	2.5	20.3
11 27	2 56.80	+21 41.0	1.631	2.589	6.6	20.5
12 7	2 49.43	+20 53.7	1.678	2.583	10.7	20.8
12 17	2 44.54	+20 13.1	1.749	2.578	14.4	21.0

138308 2000 GN_{60} 11 12.3 122°.55 1°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.68	+23 46.5	2.414	3.214	12.3	20.8
10 18	3 33.33	+23 52.2	2.346	3.232	9.5	20.6
10 28	3 25.09	+23 48.5	2.301	3.249	6.2	20.5
11 7	3 15.67	+23 35.7	2.285	3.266	2.9	20.3
11 17	3 5.91	+23 15.1	2.299	3.282	2.1	20.2
11 27	2 56.77	+22 49.8	2.343	3.298	5.2	20.5
12 7	2 49.03	+22 23.8	2.417	3.313	8.3	20.7
12 17	2 43.27	+22 0.7	2.517	3.327	11.1	20.9

183307 2002 UZ_{55} 11 12.3 151°.85 3°.5/10.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.55	+ 9 47.4	1.937	2.768	13.8	21.8
10 18	3 34.23	+ 9 9.2	1.871	2.778	10.4	21.6
10 28	3 25.76	+ 8 29.8	1.830	2.787	6.7	21.4
11 7	3 15.92	+ 7 53.2	1.816	2.796	3.7	21.3
11 17	3 5.70	+ 7 23.5	1.831	2.803	4.5	21.3
11 27	2 56.18	+ 7 4.7	1.876	2.810	7.9	21.6
12 7	2 48.28	+ 6 59.2	1.947	2.816	11.4	21.8
12 17	2 42.61	+ 7 7.7	2.042	2.822	14.4	22.0

422377 2014 SF_{258} 11 12.3 68°.34 0°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.45	+20 10.2	2.262	3.081	12.5	20.7
10 18	3 31.09	+20 19.6	2.189	3.088	9.5	20.5
10 28	3 23.80	+20 22.2	2.140	3.096	6.0	20.3
11 7	3 15.24	+20 18.4	2.118	3.104	2.4	20.1
11 17	3 6.27	+20 9.6	2.126	3.112	1.8	20.0
11 27	2 57.84	+19 58.6	2.164	3.119	5.4	20.3
12 7	2 50.76	+19 48.6	2.229	3.127	8.8	20.5
12 17	2 45.64	+19 42.4	2.320	3.135	11.7	20.7

76018 2000 DL_{31} 11 12.3 40°.17 6°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.75	+37 0.6	2.240	2.998	14.4	19.4
10 18	3 32.49	+37 30.0	2.160	3.001	12.0	19.3
10 28	3 24.88	+37 41.8	2.101	3.005	9.4	19.1
11 7	3 15.67	+37 33.4	2.067	3.008	7.1	19.0
11 17	3 5.88	+37 4.6	2.059	3.012	6.1	18.9
11 27	2 56.72	+36 18.3	2.080	3.016	7.1	19.0
12 7	2 49.21	+35 20.4	2.128	3.020	9.4	19.2
12 17	2 44.06	+34 17.9	2.200	3.024	12.0	19.3

443028 2013 EM_{25} 11 12.3 332°.88 7°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.70	+ 4 23.5	1.482	2.344	15.6	20.6
10 18	3 28.32	+ 2 53.4	1.413	2.331	12.2	20.3
10 28	3 22.44	+ 1 24.0	1.365	2.319	9.0	20.1
11 7	3 14.84	+ 0 4.3	1.342	2.307	7.4	20.0
11 17	3 6.62	− 0 57.0	1.345	2.296	8.8	20.0
11 27	2 59.01	− 1 33.1	1.372	2.286	12.0	20.2
12 7	2 53.13	− 1 41.3	1.421	2.277	15.6	20.4
12 17	2 49.72	− 1 22.6	1.489	2.269	18.8	20.6

415651 2014 QG_{403} 11 12.3 308°.68 3°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.84	+11 23.1	2.159	3.001	12.1	20.5
10 18	3 27.67	+10 16.9	2.080	2.993	9.1	20.3
10 28	3 21.69	+ 9 6.4	2.025	2.986	5.9	20.1
11 7	3 14.52	+ 7 56.4	1.998	2.978	3.4	19.9
11 17	3 6.93	+ 6 52.3	2.000	2.971	4.4	20.0
11 27	2 59.82	+ 5 59.2	2.031	2.964	7.5	20.1
12 7	2 53.95	+ 5 20.8	2.088	2.957	10.7	20.3
12 17	2 49.90	+ 4 58.9	2.168	2.950	13.6	20.5

513998 2014 HK_{145} 11 12.3 156°.49 2°.0/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.49	+23 0.4	2.081	2.888	13.8	21.9
10 18	3 35.15	+23 24.2	2.003	2.893	10.7	21.7
10 28	3 26.48	+23 38.9	1.948	2.898	7.1	21.5
11 7	3 16.23	+23 43.8	1.921	2.902	3.3	21.3
11 17	3 5.41	+23 39.4	1.923	2.906	2.5	21.2
11 27	2 55.18	+23 28.5	1.955	2.909	6.0	21.4
12 7	2 46.56	+23 14.9	2.015	2.913	9.6	21.7
12 17	2 40.25	+23 3.1	2.100	2.915	12.8	21.9

353068 2009 DY_{78} 11 12.3 36°.78 2°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.38	+25 18.4	1.756	2.573	15.6	21.0
10 18	3 33.20	+25 32.9	1.681	2.575	12.1	20.8
10 28	3 25.43	+25 34.5	1.629	2.578	8.2	20.6
11 7	3 15.90	+25 22.5	1.602	2.581	4.2	20.4
11 17	3 5.73	+24 58.4	1.602	2.584	3.1	20.3
11 27	2 56.26	+24 26.2	1.630	2.588	6.7	20.5
12 7	2 48.63	+23 51.6	1.685	2.591	10.6	20.8
12 17	2 43.60	+23 20.6	1.763	2.594	14.2	21.0

216363 2008 AF_{85} 11 12.3 176°.59 2°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.15	+13 14.4	2.054	2.888	13.0	21.2
10 18	3 30.98	+12 48.3	1.979	2.889	9.7	21.0
10 28	3 23.79	+12 18.6	1.928	2.889	6.1	20.8
11 7	3 15.28	+11 48.2	1.905	2.890	2.6	20.6
11 17	3 6.31	+11 20.5	1.910	2.890	3.2	20.6
11 27	2 57.90	+10 59.4	1.945	2.890	6.8	20.9
12 7	2 50.91	+10 47.8	2.006	2.890	10.4	21.1
12 17	2 45.96	+10 47.5	2.091	2.890	13.4	21.3

484041 2006 EQ_{33} 11 12.3 265°.19 2°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.89	+26 44.5	2.492	3.284	12.2	21.5
10 18	3 32.36	+27 8.9	2.389	3.267	9.7	21.3
10 28	3 24.76	+27 23.7	2.310	3.250	6.7	21.1
11 7	3 15.68	+27 27.5	2.258	3.232	3.9	20.9
11 17	3 5.91	+27 20.5	2.236	3.215	3.1	20.8
11 27	2 56.45	+27 4.5	2.244	3.197	5.5	20.9
12 7	2 48.24	+26 43.2	2.281	3.178	8.7	21.1
12 17	2 41.97	+26 20.9	2.343	3.160	11.6	21.3

426351 2013 LX_{19} 11 12.3 55°.65 3°.7/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.40	+11 42.8	1.062	1.926	20.2	21.2
10 18	3 36.72	+11 15.2	1.025	1.949	15.1	20.9
10 28	3 27.68	+10 45.4	1.007	1.973	9.5	20.7
11 7	3 16.63	+10 18.5	1.012	1.997	4.4	20.5
11 17	3 5.27	+10 0.1	1.041	2.021	5.2	20.6
11 27	2 55.37	+ 9 55.1	1.095	2.046	10.2	21.0
12 7	2 48.22	+10 5.9	1.172	2.070	14.9	21.4
12 17	2 44.44	+10 32.6	1.269	2.095	18.9	21.7

126824 2002 ES_{56} 11 12.3 146°.51 2°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.07	+13 32.1	2.221	3.055	12.1	20.3
10 18	3 29.25	+12 48.7	2.147	3.057	9.1	20.1
10 28	3 22.63	+12 1.1	2.099	3.060	5.7	19.9
11 7	3 14.86	+11 12.5	2.078	3.062	2.6	19.7
11 17	3 6.72	+10 27.1	2.086	3.064	3.3	19.8
11 27	2 59.10	+ 9 49.0	2.124	3.066	6.6	20.0
12 7	2 52.78	+ 9 21.6	2.189	3.068	9.8	20.2
12 17	2 48.29	+ 9 6.8	2.278	3.070	12.7	20.4

369924 2013 ER_{39} 11 12.3 349°.59 2°.9/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.75	+11 22.6	1.891	2.732	13.6	20.9
10 18	3 30.84	+10 53.1	1.819	2.731	10.3	20.6
10 28	3 23.78	+10 21.2	1.770	2.731	6.6	20.4
11 7	3 15.30	+ 9 50.6	1.747	2.731	3.3	20.2
11 17	3 6.34	+ 9 25.1	1.753	2.730	4.0	20.3
11 27	2 57.96	+ 9 8.7	1.788	2.730	7.6	20.5
12 7	2 51.10	+ 9 4.1	1.848	2.730	11.2	20.7
12 17	2 46.40	+ 9 12.6	1.931	2.730	14.4	20.9

38535 1999 UO_{42} 11 12.3 132°.24 1°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.78	+23 34.7	2.307	3.119	12.5	18.1
10 18	3 29.81	+23 3.3	2.229	3.124	9.5	17.9
10 28	3 22.98	+22 20.8	2.175	3.129	6.1	17.7
11 7	3 14.98	+21 28.9	2.149	3.133	2.5	17.5
11 17	3 6.63	+20 30.8	2.152	3.138	1.8	17.5
11 27	2 58.84	+19 31.1	2.186	3.142	5.3	17.7
12 7	2 52.40	+18 35.0	2.248	3.146	8.7	17.9
12 17	2 47.85	+17 46.6	2.335	3.150	11.7	18.1

346590 2008 VM_{79} 11 12.3 249°.86 2°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.72	+13 10.6	1.976	2.810	13.4	21.0
10 18	3 32.41	+12 44.2	1.887	2.796	10.2	20.8
10 28	3 24.85	+12 13.6	1.820	2.781	6.4	20.5
11 7	3 15.72	+11 41.7	1.781	2.766	2.8	20.3
11 17	3 5.93	+11 12.2	1.771	2.751	3.5	20.3
11 27	2 56.60	+10 49.2	1.790	2.735	7.4	20.5
12 7	2 48.72	+10 36.3	1.836	2.719	11.2	20.7
12 17	2 43.02	+10 35.8	1.905	2.702	14.6	20.9

311832 2006 VK_{18} 11 12.3 167°.47 1°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.01	+23 31.8	2.157	2.971	13.2	21.3
10 18	3 30.88	+23 4.8	2.077	2.973	10.1	21.1
10 28	3 23.73	+22 26.1	2.021	2.974	6.5	20.9
11 7	3 15.27	+21 37.2	1.992	2.976	2.7	20.7
11 17	3 6.38	+20 41.4	1.992	2.977	1.9	20.6
11 27	2 58.07	+19 43.4	2.022	2.978	5.7	20.9
12 7	2 51.22	+18 48.7	2.080	2.979	9.3	21.1
12 17	2 46.43	+18 1.9	2.163	2.979	12.4	21.3

348313 2005 AB_{73} 11 12.3 11°.27 10°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.60	+41 47.6	1.319	2.097	21.7	19.9
10 18	3 34.07	+42 46.1	1.255	2.100	18.7	19.7
10 28	3 26.66	+43 14.3	1.208	2.104	15.5	19.5
11 7	3 16.47	+43 5.6	1.180	2.109	12.5	19.3
11 17	3 5.31	+42 17.6	1.173	2.115	10.9	19.3
11 27	2 55.32	+40 55.5	1.190	2.123	11.6	19.3
12 7	2 48.24	+39 11.7	1.229	2.131	14.0	19.5
12 17	2 44.98	+37 20.3	1.289	2.141	17.1	19.7

521059 2015 DA_{238} 11 12.3 234°.12 4°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.12	+29 48.5	1.535	2.344	17.8	22.1
10 18	3 35.86	+30 3.4	1.455	2.340	14.3	21.9
10 28	3 27.41	+29 59.4	1.396	2.336	10.2	21.6
11 7	3 16.69	+29 34.2	1.359	2.331	6.2	21.4
11 17	3 5.09	+28 48.5	1.349	2.327	4.8	21.3
11 27	2 54.30	+27 47.8	1.367	2.322	7.9	21.5
12 7	2 45.76	+26 40.9	1.409	2.318	12.1	21.7
12 17	2 40.36	+25 37.2	1.475	2.313	16.1	21.9

407219 2009 VW_{74} 11 12.3 129°.35 2°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.47	+25 18.0	2.384	3.182	12.5	20.9
10 18	3 32.65	+25 42.0	2.305	3.188	9.8	20.8
10 28	3 24.83	+25 56.4	2.250	3.193	6.6	20.6
11 7	3 15.67	+26 0.6	2.222	3.199	3.6	20.4
11 17	3 6.01	+25 55.0	2.223	3.204	2.7	20.4
11 27	2 56.86	+25 41.9	2.255	3.209	5.4	20.5
12 7	2 49.08	+25 25.0	2.315	3.214	8.5	20.7
12 17	2 43.30	+25 8.3	2.401	3.218	11.3	20.9

272442 2005 UR_{9} 11 12.3 338°.51 0°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.61	+19 10.4	1.385	2.228	17.5	20.4
10 18	3 34.76	+19 31.8	1.311	2.223	13.5	20.1
10 28	3 26.75	+19 45.1	1.257	2.219	8.6	19.8
11 7	3 16.48	+19 50.2	1.228	2.215	3.3	19.5
11 17	3 5.28	+19 48.2	1.225	2.211	2.6	19.4
11 27	2 54.83	+19 43.0	1.248	2.207	8.0	19.8
12 7	2 46.56	+19 39.4	1.296	2.205	12.9	20.0
12 17	2 41.42	+19 41.9	1.365	2.202	17.2	20.3

48044 2001 DZ_{74} 11 12.3 223°.32 1°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.95	+15 2.1	2.965	3.786	9.7	20.2
10 18	3 28.07	+14 11.2	2.871	3.775	7.3	20.0
10 28	3 21.78	+13 15.0	2.805	3.764	4.6	19.8
11 7	3 14.56	+12 16.5	2.768	3.753	1.9	19.6
11 17	3 7.01	+11 18.8	2.762	3.740	2.5	19.6
11 27	2 59.80	+10 25.8	2.787	3.728	5.3	19.8
12 7	2 53.53	+ 9 40.7	2.841	3.715	8.0	20.0
12 17	2 48.68	+ 9 5.9	2.921	3.701	10.5	20.1

205203 2000 EQ_{174} 11 12.3 205°.97 5°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.59	+ 5 46.0	1.995	2.836	13.0	20.4
10 18	3 29.80	+ 4 34.0	1.926	2.835	10.0	20.2
10 28	3 23.06	+ 3 22.6	1.881	2.833	7.1	20.1
11 7	3 15.04	+ 2 17.6	1.863	2.831	5.3	19.9
11 17	3 6.61	+ 1 24.9	1.873	2.829	6.4	20.0
11 27	2 58.73	+ 0 49.1	1.911	2.826	9.1	20.2
12 7	2 52.25	+ 0 32.7	1.975	2.824	12.2	20.4
12 17	2 47.76	+ 0 35.7	2.060	2.821	14.9	20.6

360146 2013 CQ_{53} 11 12.3 25°.91 3°.3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.73	+27 22.8	1.801	2.611	15.5	21.4
10 18	3 32.71	+27 32.7	1.724	2.613	12.2	21.2
10 28	3 25.14	+27 27.9	1.670	2.615	8.4	21.0
11 7	3 15.83	+27 7.8	1.640	2.616	4.7	20.8
11 17	3 5.90	+26 33.7	1.638	2.618	3.5	20.7
11 27	2 56.67	+25 50.0	1.664	2.621	6.6	20.9
12 7	2 49.24	+25 3.1	1.717	2.623	10.4	21.1
12 17	2 44.37	+24 19.5	1.793	2.626	13.9	21.4

280932 2006 BJ_{27} 11 12.3 252°.02 11°.2/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.40	−19 24.4	2.477	3.247	12.9	20.3
10 18	3 28.66	−20 57.1	2.428	3.238	11.9	20.2
10 28	3 22.25	−22 12.9	2.400	3.229	11.3	20.1
11 7	3 14.74	−23 5.3	2.396	3.220	11.4	20.1
11 17	3 6.88	−23 29.8	2.415	3.211	12.1	20.2
11 27	2 59.47	−23 24.5	2.455	3.202	13.2	20.2
12 7	2 53.24	−22 51.0	2.515	3.192	14.5	20.3
12 17	2 48.72	−21 52.7	2.591	3.183	15.7	20.4

447660 2006 WK_{37} 11 12.3 336°.53 2°.8/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.98	+11 52.8	1.771	2.617	14.2	21.3
10 18	3 30.44	+11 22.2	1.697	2.613	10.7	21.1
10 28	3 23.63	+10 48.5	1.646	2.608	6.8	20.9
11 7	3 15.28	+10 15.6	1.621	2.605	3.3	20.7
11 17	3 6.39	+ 9 47.6	1.623	2.601	4.1	20.7
11 27	2 58.09	+ 9 28.9	1.653	2.598	7.9	20.9
12 7	2 51.37	+ 9 22.6	1.709	2.595	11.7	21.1
12 17	2 46.91	+ 9 30.2	1.787	2.592	15.1	21.4

14811 1981 ED_{43} 11 12.3 82°.18 2°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.69	+25 50.2	1.967	2.771	14.6	18.3
10 18	3 34.48	+26 5.5	1.907	2.794	11.3	18.1
10 28	3 25.99	+26 8.4	1.870	2.816	7.6	18.0
11 7	3 16.06	+25 58.5	1.860	2.838	4.0	17.8
11 17	3 5.76	+25 37.3	1.878	2.860	3.0	17.8
11 27	2 56.27	+25 8.4	1.926	2.881	6.0	18.0
12 7	2 48.55	+24 37.2	2.001	2.903	9.5	18.2
12 17	2 43.21	+24 8.5	2.101	2.924	12.5	18.5

392410 2010 LW_{110} 11 12.3 121°.12 0°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.34	+18 22.6	2.030	2.855	13.4	21.7
10 18	3 31.83	+17 49.6	1.962	2.867	10.1	21.5
10 28	3 24.29	+17 8.6	1.919	2.879	6.3	21.3
11 7	3 15.46	+16 22.2	1.903	2.890	2.2	21.1
11 17	3 6.29	+15 34.2	1.916	2.901	2.2	21.1
11 27	2 57.80	+14 49.5	1.959	2.911	6.2	21.4
12 7	2 50.84	+14 12.3	2.030	2.921	9.9	21.6
12 17	2 45.99	+13 45.9	2.125	2.931	13.0	21.8

371331 2006 JK_{21} 11 12.3 145°.78 4°.3/10.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.95	+ 9 35.6	1.520	2.364	16.2	21.8
10 18	3 35.10	+ 8 50.3	1.457	2.371	12.3	21.5
10 28	3 26.58	+ 8 3.4	1.417	2.377	8.0	21.3
11 7	3 16.32	+ 7 20.4	1.403	2.383	4.6	21.1
11 17	3 5.54	+ 6 47.0	1.416	2.388	5.6	21.2
11 27	2 55.63	+ 6 28.0	1.456	2.393	9.5	21.4
12 7	2 47.72	+ 6 26.3	1.521	2.398	13.5	21.7
12 17	2 42.52	+ 6 42.2	1.607	2.402	17.0	21.9

475327 2005 YN_{228} 11 12.3 327°.58 0°.3/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.13	+19 57.3	1.336	2.188	17.6	21.7
10 18	3 31.50	+19 44.8	1.257	2.174	13.5	21.4
10 28	3 24.78	+19 20.1	1.198	2.161	8.6	21.1
11 7	3 15.81	+18 44.8	1.162	2.149	3.1	20.7
11 17	3 5.91	+18 2.8	1.151	2.137	2.7	20.6
11 27	2 56.68	+17 20.7	1.167	2.127	8.3	20.9
12 7	2 49.57	+16 45.6	1.206	2.117	13.5	21.2
12 17	2 45.51	+16 23.0	1.265	2.107	17.9	21.5

422431 2014 SJ_{289} 11 12.3 358°.38 6°.2/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.30	+33 22.6	2.027	2.804	15.2	20.5
10 18	3 34.78	+34 28.4	1.946	2.802	12.5	20.3
10 28	3 26.57	+35 19.9	1.886	2.801	9.6	20.1
11 7	3 16.40	+35 52.9	1.851	2.801	7.1	20.0
11 17	3 5.39	+36 5.4	1.843	2.800	6.2	19.9
11 27	2 54.88	+35 58.6	1.863	2.801	7.7	20.0
12 7	2 46.12	+35 37.6	1.910	2.801	10.4	20.2
12 17	2 39.97	+35 8.8	1.980	2.802	13.2	20.4

508631 2017 TM 11 12.3 260°.08 5°.9/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.51	+35 56.9	1.263	2.065	21.3	20.9
10 18	3 36.87	+35 19.0	1.178	2.055	17.5	20.6
10 28	3 28.35	+34 5.7	1.112	2.045	13.0	20.3
11 7	3 17.10	+32 13.9	1.067	2.035	8.3	20.1
11 17	3 4.90	+29 47.2	1.047	2.024	5.9	19.9
11 27	2 53.86	+26 58.8	1.054	2.014	9.0	20.0
12 7	2 45.68	+24 7.6	1.087	2.003	14.1	20.3
12 17	2 41.28	+21 31.1	1.142	1.992	18.9	20.5

383117 2005 SG_{260} 11 12.3 94°.22 0°.3/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.51	+20 52.0	1.615	2.442	16.2	21.3
10 18	3 35.31	+20 23.1	1.560	2.465	12.2	21.1
10 28	3 26.57	+19 42.6	1.528	2.487	7.7	20.8
11 7	3 16.29	+18 53.2	1.522	2.509	2.8	20.6
11 17	3 5.70	+17 59.3	1.545	2.530	2.3	20.6
11 27	2 56.14	+17 7.1	1.596	2.551	7.0	21.0
12 7	2 48.62	+16 22.6	1.673	2.572	11.2	21.3
12 17	2 43.76	+15 50.1	1.774	2.592	14.7	21.5

427865 2005 QN_{27} 11 12.3 69°.56 7°.2/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.00	+ 4 14.3	1.390	2.243	17.0	20.9
10 18	3 33.48	+ 2 53.2	1.353	2.266	13.1	20.7
10 28	3 25.42	+ 1 37.4	1.337	2.289	9.3	20.5
11 7	3 15.87	+ 0 35.2	1.346	2.312	7.2	20.5
11 17	3 6.10	− 0 6.5	1.381	2.335	8.3	20.6
11 27	2 57.42	− 0 23.7	1.442	2.358	11.4	20.9
12 7	2 50.83	− 0 16.0	1.525	2.381	14.7	21.1
12 17	2 46.87	+ 0 13.9	1.629	2.403	17.6	21.4

360618 2004 CT_{104} 11 12.3 320°.19 2°.9/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.97	+14 28.5	1.405	2.265	16.4	20.6
10 18	3 29.96	+13 43.0	1.302	2.225	12.6	20.3
10 28	3 23.98	+12 47.0	1.219	2.185	8.1	19.9
11 7	3 15.65	+11 44.8	1.160	2.146	3.6	19.5
11 17	3 6.06	+10 42.9	1.127	2.107	4.7	19.5
11 27	2 56.73	+ 9 49.7	1.118	2.069	10.0	19.7
12 7	2 49.18	+ 9 12.8	1.133	2.032	15.3	19.9
12 17	2 44.53	+ 8 57.0	1.168	1.996	20.1	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
394588 2007 VS_{134}			11 12.3 231°.59		0°.9/11.7 18	
	h m	° ′			°	m
10 8	3 35.62	+19 44.3	1.904	2.734	14.0	21.0
10 18	3 30.82	+18 41.5	1.823	2.730	10.6	20.8
10 28	3 23.82	+17 26.5	1.765	2.726	6.6	20.5
11 7	3 15.38	+16 3.2	1.734	2.721	2.3	20.2
11 17	3 6.46	+14 37.3	1.733	2.717	2.6	20.2
11 27	2 58.16	+13 15.8	1.761	2.712	6.9	20.5
12 7	2 51.43	+12 5.4	1.816	2.707	10.9	20.7
12 17	2 46.90	+11 10.5	1.895	2.702	14.3	21.0
323231 2003 SK_{154}			11 12.3 67°.00		2°.9/10.7 16	
10 8	3 39.83	+16 17.7	1.230	2.085	18.6	20.2
10 18	3 34.46	+14 57.7	1.188	2.108	13.8	20.0
10 28	3 26.16	+13 28.0	1.167	2.132	8.5	19.8
11 7	3 16.15	+11 56.2	1.170	2.156	3.6	19.6
11 17	3 5.90	+10 31.5	1.200	2.180	4.6	19.7
11 27	2 56.94	+ 9 22.7	1.256	2.203	9.4	20.0
12 7	2 50.38	+ 8 35.2	1.335	2.227	14.0	20.4
12 17	2 46.79	+ 8 10.9	1.436	2.250	17.7	20.7
22963 1999 UN_{24}			11 12.3 45°.39		3°.8/14.1 18	
10 8	3 40.65	+26 30.2	1.178	2.016	20.3	17.7
10 18	3 35.76	+26 46.6	1.127	2.032	15.9	17.5
10 28	3 27.36	+26 43.8	1.095	2.048	10.8	17.2
11 7	3 16.67	+26 20.8	1.085	2.064	5.7	17.0
11 17	3 5.39	+25 40.4	1.099	2.082	4.1	17.0
11 27	2 55.39	+24 49.7	1.139	2.100	8.3	17.3
12 7	2 48.12	+23 58.3	1.202	2.118	13.1	17.6
12 17	2 44.32	+23 14.4	1.287	2.136	17.2	17.9
177666 2005 EW_{34}			11 12.3 159°.89		1°.8/13.4 16	
10 8	3 41.99	+23 56.2	1.694	2.511	16.1	21.4
10 18	3 35.96	+23 50.5	1.620	2.516	12.4	21.2
10 28	3 27.20	+23 31.3	1.568	2.521	8.1	21.0
11 7	3 16.61	+22 59.0	1.542	2.525	3.6	20.7
11 17	3 5.41	+22 16.0	1.544	2.528	2.6	20.6
11 27	2 55.02	+21 27.9	1.574	2.532	6.9	20.9
12 7	2 46.62	+20 41.3	1.632	2.534	11.2	21.2
12 17	2 40.95	+20 2.1	1.713	2.536	14.9	21.4
123957 2001 FD_{11}			11 12.3 80°.55		3°.4/ 9.7 18	
10 8	3 33.14	+ 9 57.0	2.226	3.064	11.9	19.5
10 18	3 28.51	+ 9 1.9	2.161	3.072	9.0	19.3
10 28	3 22.17	+ 8 5.1	2.121	3.080	5.9	19.1
11 7	3 14.76	+ 7 11.0	2.109	3.088	3.5	19.0
11 17	3 7.04	+ 6 23.9	2.126	3.095	4.4	19.1
11 27	2 59.86	+ 5 48.0	2.172	3.103	7.2	19.3
12 7	2 53.95	+ 5 25.7	2.244	3.111	10.2	19.5
12 17	2 49.80	+ 5 18.1	2.340	3.119	12.8	19.7
130961 2000 WV_{98}			11 12.3 331°.88		3°.6/10.8 18	
10 8	3 36.22	+10 35.8	1.413	2.270	16.5	18.8
10 18	3 32.01	+10 16.0	1.338	2.259	12.6	18.5
10 28	3 24.96	+ 9 54.6	1.284	2.248	8.1	18.3
11 7	3 15.89	+ 9 36.0	1.255	2.239	4.1	18.0
11 17	3 6.00	+ 9 24.6	1.251	2.230	4.9	18.0
11 27	2 56.77	+ 9 24.9	1.274	2.221	9.4	18.3
12 7	2 49.48	+ 9 39.7	1.320	2.214	13.9	18.5
12 17	2 45.00	+10 9.8	1.387	2.207	17.9	18.8
41043 1999 VW_{4}			11 12.3 40°.27		0°.2/12.4 18	
10 8	3 38.68	+18 37.5	1.414	2.259	17.2	18.0
10 18	3 33.65	+18 40.8	1.359	2.272	13.0	17.8
10 28	3 25.80	+18 35.2	1.324	2.286	8.2	17.6
11 7	3 16.11	+18 22.4	1.314	2.301	2.9	17.3
11 17	3 5.91	+18 5.1	1.330	2.316	2.4	17.3
11 27	2 56.68	+17 48.0	1.374	2.332	7.5	17.7
12 7	2 49.60	+17 36.0	1.442	2.348	12.0	18.0
12 17	2 45.37	+17 32.6	1.532	2.365	15.8	18.3
452311 1998 VS_{41}			11 12.3 314°.71		1°.3/11.8 17	
10 8	3 38.09	+13 2.8	1.933	2.767	13.7	21.0
10 18	3 32.96	+13 21.4	1.833	2.742	10.4	20.8
10 28	3 25.41	+13 39.4	1.757	2.718	6.6	20.5
11 7	3 16.06	+13 57.8	1.708	2.694	2.5	20.2
11 17	3 5.84	+14 17.8	1.687	2.671	2.7	20.2
11 27	2 55.91	+14 41.2	1.696	2.648	7.0	20.4
12 7	2 47.39	+15 9.8	1.731	2.625	11.2	20.6
12 17	2 41.14	+15 45.1	1.791	2.603	14.8	20.8
17700 1997 GM_{40}			11 12.3 306°.27		2°.2/11.6 18	
10 8	3 39.52	+12 47.6	1.334	2.187	17.5	17.3
10 18	3 35.00	+12 51.9	1.246	2.165	13.5	17.0
10 28	3 27.17	+12 54.0	1.179	2.143	8.6	16.7
11 7	3 16.80	+12 56.5	1.135	2.121	3.5	16.3
11 17	3 5.17	+13 2.2	1.117	2.100	3.9	16.3
11 27	2 54.01	+13 14.7	1.125	2.079	9.4	16.6
12 7	2 44.94	+13 37.4	1.157	2.059	14.7	16.8
12 17	2 39.07	+14 12.2	1.209	2.039	19.4	17.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
339885 2005 TA_{133}			11 12.3 329°.02		0°.4/12.1 18	
	h m	° ′			°	m
10 8	3 31.35	+17 22.9	2.580	3.407	10.8	20.2
10 18	3 27.21	+17 13.7	2.488	3.394	8.2	20.0
10 28	3 21.43	+16 59.5	2.422	3.382	5.1	19.8
11 7	3 14.56	+16 41.7	2.382	3.369	1.8	19.5
11 17	3 7.24	+16 22.3	2.372	3.357	1.8	19.5
11 27	3 0.25	+16 4.0	2.392	3.346	5.1	19.7
12 7	2 54.30	+15 49.8	2.440	3.335	8.3	19.9
12 17	2 49.95	+15 41.9	2.513	3.324	11.1	20.1
73423 2002 LG_{39}			11 12.3 147°.61		4°.1/ 9.9 16	
10 8	3 39.28	+10 41.0	1.570	2.415	15.7	19.8
10 18	3 33.81	+ 9 41.2	1.506	2.421	11.9	19.5
10 28	3 25.79	+ 8 38.0	1.465	2.426	7.7	19.3
11 7	3 16.11	+ 7 37.2	1.450	2.431	4.4	19.1
11 17	3 5.95	+ 6 45.4	1.463	2.435	5.4	19.2
11 27	2 56.60	+ 6 8.5	1.503	2.439	9.3	19.4
12 7	2 49.16	+ 5 49.9	1.568	2.443	13.3	19.7
12 17	2 44.29	+ 5 50.5	1.654	2.446	16.7	19.9
411053 2009 VD_{32}			11 12.3 327°.52		1°.1/11.7 16	
10 8	3 33.42	+16 25.3	1.923	2.762	13.5	21.8
10 18	3 29.26	+16 3.6	1.838	2.751	10.2	21.6
10 28	3 22.94	+15 35.4	1.777	2.740	6.4	21.3
11 7	3 15.14	+15 3.1	1.742	2.730	2.3	21.0
11 17	3 6.75	+14 30.2	1.736	2.720	2.6	21.0
11 27	2 58.84	+14 1.0	1.757	2.710	6.7	21.3
12 7	2 52.38	+13 39.5	1.805	2.701	10.6	21.5
12 17	2 48.04	+13 28.8	1.876	2.693	14.0	21.7
403189 2008 KN_{22}			11 12.3 81°.29		2°.5/10.5 18	
10 8	3 35.14	+12 12.0	2.171	3.006	12.3	21.4
10 18	3 29.98	+11 29.9	2.115	3.025	9.2	21.2
10 28	3 23.06	+10 45.2	2.084	3.044	5.8	21.1
11 7	3 15.09	+10 1.5	2.080	3.063	2.9	20.9
11 17	3 6.87	+ 9 22.7	2.105	3.082	3.5	21.0
11 27	2 59.29	+ 8 52.5	2.160	3.100	6.7	21.2
12 7	2 53.07	+ 8 33.5	2.242	3.119	9.8	21.5
12 17	2 48.71	+ 8 27.0	2.348	3.137	12.4	21.7
518365 2017 EJ_{5}			11 12.3 72°.57		6°.5/ 8.5 18	
10 8	3 36.35	− 2 24.9	2.223	3.047	12.5	20.2
10 18	3 30.86	− 2 56.1	2.167	3.057	10.0	20.1
10 28	3 23.62	− 3 18.6	2.135	3.066	7.7	19.9
11 7	3 15.29	− 3 28.3	2.129	3.076	6.6	19.9
11 17	3 6.68	− 3 22.0	2.151	3.085	7.2	19.9
11 27	2 58.65	− 2 58.3	2.201	3.095	9.2	20.1
12 7	2 51.94	− 2 17.8	2.276	3.104	11.5	20.3
12 17	2 47.06	− 1 22.4	2.374	3.114	13.7	20.4
115880 2003 UP_{283}			11 12.3 37°.66		2°.0/13.0 18	
10 8	3 43.19	+19 48.7	1.410	2.246	17.7	18.1
10 18	3 37.23	+20 43.6	1.353	2.260	13.6	17.9
10 28	3 28.16	+21 31.0	1.318	2.275	8.8	17.7
11 7	3 17.01	+22 8.8	1.307	2.291	3.8	17.4
11 17	3 5.19	+22 36.1	1.323	2.308	2.9	17.4
11 27	2 54.35	+22 55.1	1.367	2.325	7.6	17.8
12 7	2 45.83	+23 9.8	1.436	2.343	12.0	18.1
12 17	2 40.43	+23 24.7	1.527	2.361	15.8	18.3
180683 2004 HF			11 12.3 127°.75		3°.6/ 9.9 18	
10 8	3 36.34	+ 8 5.0	2.265	3.096	12.0	21.1
10 18	3 30.85	+ 7 25.7	2.202	3.108	9.1	20.9
10 28	3 23.62	+ 6 46.7	2.164	3.119	6.0	20.7
11 7	3 15.30	+ 6 11.8	2.154	3.130	3.8	20.6
11 17	3 6.68	+ 5 44.6	2.174	3.141	4.5	20.7
11 27	2 58.64	+ 5 28.1	2.222	3.151	7.2	20.9
12 7	2 51.91	+ 5 24.3	2.298	3.161	10.1	21.1
12 17	2 46.99	+ 5 33.5	2.398	3.170	12.7	21.3
271324 2003 WY_{30}			11 12.3 345°.43		1°.8/13.4 17	
10 8	3 34.96	+23 13.1	1.975	2.797	13.9	20.5
10 18	3 30.46	+23 22.7	1.893	2.792	10.7	20.3
10 28	3 23.71	+23 22.3	1.834	2.787	7.1	20.1
11 7	3 15.42	+23 11.9	1.800	2.783	3.3	19.8
11 17	3 6.53	+22 53.0	1.794	2.779	2.4	19.8
11 27	2 58.15	+22 28.9	1.817	2.775	6.0	20.0
12 7	2 51.28	+22 4.1	1.867	2.772	9.8	20.2
12 17	2 46.63	+21 43.1	1.941	2.770	13.1	20.4
108413 2001 KS_{33}			11 12.3 143°.09		2°.9/10.9 18	
10 8	3 40.34	+ 9 24.2	1.967	2.798	13.6	20.0
10 18	3 34.22	+ 9 22.4	1.895	2.802	10.3	19.8
10 28	3 25.92	+ 9 21.3	1.848	2.806	6.6	19.6
11 7	3 16.16	+ 9 23.4	1.827	2.810	3.3	19.4
11 17	3 5.92	+ 9 30.8	1.836	2.813	3.9	19.4
11 27	2 56.29	+ 9 45.7	1.875	2.816	7.4	19.6
12 7	2 48.21	+10 9.6	1.940	2.820	10.9	19.9
12 17	2 42.34	+10 42.9	2.030	2.822	14.0	20.1

321214 2008 YA_{95} 11 12.3 332.°47 1.°3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.06	+23 31.1	2.404	3.218	12.0	21.1
10 18	3 28.61	+23 20.8	2.319	3.213	9.2	20.9
10 28	3 22.36	+23 0.8	2.257	3.209	6.0	20.7
11 7	3 14.90	+22 31.9	2.222	3.205	2.7	20.4
11 17	3 7.01	+21 56.3	2.217	3.201	1.9	20.4
11 27	2 59.56	+21 17.3	2.241	3.198	5.1	20.6
12 7	2 53.33	+20 39.3	2.293	3.194	8.4	20.8
12 17	2 48.90	+20 6.1	2.370	3.191	11.3	21.0

123921 2001 DT_{104} 11 12.3 191.°13 4.°6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.68	+ 5 15.8	2.274	3.110	11.8	20.2
10 18	3 28.95	+ 4 25.6	2.204	3.110	9.1	20.0
10 28	3 22.49	+ 3 37.2	2.158	3.109	6.4	19.8
11 7	3 14.93	+ 2 54.9	2.141	3.109	4.7	19.7
11 17	3 7.00	+ 2 22.9	2.151	3.109	5.5	19.8
11 27	2 59.56	+ 2 4.7	2.191	3.108	8.0	19.9
12 7	2 53.33	+ 2 1.9	2.256	3.107	10.7	20.1
12 17	2 48.84	+ 2 14.5	2.344	3.107	13.2	20.3

169387 2001 VC_{40} 11 12.3 338.°26 0.°9/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.49	+22 29.9	2.350	3.169	12.1	19.9
10 18	3 28.20	+22 10.6	2.266	3.164	9.2	19.7
10 28	3 22.11	+21 41.7	2.205	3.160	5.9	19.5
11 7	3 14.81	+21 4.5	2.171	3.156	2.4	19.2
11 17	3 7.10	+20 21.6	2.167	3.153	1.7	19.2
11 27	2 59.84	+19 36.9	2.192	3.149	5.2	19.4
12 7	2 53.81	+18 54.7	2.245	3.146	8.6	19.6
12 17	2 49.58	+18 18.9	2.323	3.143	11.6	19.8

134186 2005 CU_{49} 11 12.3 301.°39 2.°2/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.83	+13 13.3	2.224	3.061	12.0	19.9
10 18	3 28.49	+12 35.7	2.139	3.051	9.0	19.7
10 28	3 22.31	+11 53.9	2.079	3.041	5.7	19.5
11 7	3 14.90	+11 11.1	2.046	3.031	2.6	19.2
11 17	3 7.02	+10 31.2	2.042	3.021	3.3	19.3
11 27	2 59.56	+ 9 58.1	2.067	3.011	6.6	19.5
12 7	2 53.34	+ 9 35.3	2.119	3.001	10.0	19.7
12 17	2 48.92	+ 9 24.8	2.195	2.992	13.0	19.8

301885 1998 QV_{2} 11 12.3 124.°02 7.°0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.95	+42 45.9	2.485	3.191	14.4	21.5
10 18	3 38.47	+43 13.3	2.415	3.212	12.3	21.4
10 28	3 28.54	+43 20.4	2.366	3.233	10.1	21.3
11 7	3 17.07	+43 4.1	2.341	3.253	8.1	21.2
11 17	3 5.19	+42 24.1	2.344	3.272	7.1	21.1
11 27	2 54.19	+41 23.7	2.376	3.290	7.6	21.2
12 7	2 45.08	+40 9.4	2.435	3.308	9.2	21.3
12 17	2 38.53	+38 48.9	2.520	3.325	11.2	21.5

317325 2002 JH_{8} 11 12.3 137.°34 4.°2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.06	+10 18.4	1.705	2.545	15.0	20.8
10 18	3 34.12	+ 9 10.6	1.646	2.557	11.3	20.6
10 28	3 25.85	+ 7 59.9	1.610	2.568	7.4	20.4
11 7	3 16.12	+ 6 52.4	1.601	2.579	4.4	20.3
11 17	3 6.03	+ 5 54.3	1.620	2.590	5.4	20.4
11 27	2 56.76	+ 5 11.3	1.668	2.599	8.9	20.6
12 7	2 49.30	+ 4 46.7	1.741	2.608	12.6	20.8
12 17	2 44.25	+ 4 41.1	1.836	2.616	15.7	21.1

487333 2014 QM_{175} 11 12.3 308.°33 4.°8/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.60	+31 20.6	2.136	2.920	14.2	20.8
10 18	3 33.30	+31 58.1	2.048	2.915	11.6	20.6
10 28	3 25.56	+32 21.8	1.983	2.910	8.6	20.4
11 7	3 16.11	+32 29.3	1.943	2.905	5.8	20.2
11 17	3 5.94	+32 19.9	1.931	2.900	4.9	20.2
11 27	2 56.26	+31 55.8	1.948	2.895	6.7	20.3
12 7	2 48.16	+31 22.2	1.992	2.890	9.7	20.4
12 17	2 42.42	+30 45.0	2.060	2.886	12.6	20.6

358748 2008 CG_{130} 11 12.3 138.°71 1.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.68	+22 31.5	2.110	2.926	13.3	21.3
10 18	3 31.48	+22 18.8	2.033	2.930	10.2	21.1
10 28	3 24.20	+21 55.8	1.979	2.933	6.6	20.9
11 7	3 15.56	+21 23.6	1.952	2.937	2.7	20.7
11 17	3 6.48	+20 44.8	1.955	2.940	1.9	20.6
11 27	2 57.97	+20 3.6	1.987	2.943	5.7	20.9
12 7	2 50.95	+19 24.7	2.046	2.947	9.4	21.1
12 17	2 46.02	+18 52.3	2.131	2.949	12.5	21.3

7866 Sicoli 11 12.3 54.°53 1.°3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.84	+15 50.6	1.299	2.149	18.1	16.5
10 18	3 35.26	+15 37.4	1.254	2.171	13.5	16.3
10 28	3 26.76	+15 17.6	1.229	2.193	8.4	16.0
11 7	3 16.45	+14 54.1	1.229	2.216	3.0	15.8
11 17	3 5.79	+14 31.2	1.255	2.240	3.2	15.9
11 27	2 56.31	+14 13.8	1.308	2.263	8.3	16.2
12 7	2 49.17	+14 6.3	1.385	2.287	12.8	16.6
12 17	2 45.01	+14 10.7	1.484	2.310	16.6	16.9

231557 2008 TQ_{27} 11 12.3 323.°77 2.°0/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.20	+23 49.2	2.088	2.905	13.4	20.8
10 18	3 30.61	+24 2.5	1.998	2.893	10.4	20.6
10 28	3 23.83	+24 6.1	1.931	2.883	7.0	20.3
11 7	3 15.50	+23 59.7	1.891	2.872	3.4	20.1
11 17	3 6.52	+23 44.2	1.878	2.862	2.5	20.0
11 27	2 57.97	+23 22.7	1.895	2.852	5.9	20.2
12 7	2 50.84	+22 59.3	1.938	2.843	9.5	20.4
12 17	2 45.86	+22 38.6	2.006	2.834	12.8	20.6

500429 2012 TK_{145} 11 12.3 216.°09 1.°0/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.93	+25 14.9	1.160	2.001	20.4	20.6
10 18	3 36.07	+23 7.7	1.086	1.999	15.6	20.3
10 28	3 27.65	+20 28.2	1.033	1.996	9.8	20.0
11 7	3 16.87	+17 24.1	1.005	1.993	3.3	19.6
11 17	3 5.43	+14 10.8	1.005	1.989	3.7	19.7
11 27	2 55.21	+11 8.4	1.032	1.986	10.2	20.0
12 7	2 47.67	+ 8 33.9	1.085	1.982	16.0	20.3
12 17	2 43.61	+ 6 36.6	1.158	1.977	20.7	20.6

338799 2003 UW_{391} 11 12.3 20.°29 3.°0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.84	+ 9 3.0	2.059	2.896	12.8	20.4
10 18	3 30.77	+ 8 52.1	1.989	2.899	9.7	20.2
10 28	3 23.74	+ 8 41.8	1.943	2.902	6.3	20.0
11 7	3 15.41	+ 8 34.9	1.924	2.905	3.4	19.9
11 17	3 6.66	+ 8 34.2	1.934	2.909	4.0	19.9
11 27	2 58.45	+ 8 42.0	1.972	2.912	7.2	20.1
12 7	2 51.63	+ 8 59.8	2.037	2.916	10.5	20.3
12 17	2 46.80	+ 9 28.0	2.126	2.921	13.4	20.5

448544 2010 RQ_{13} 11 12.3 12.°69 8.°9/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.75	+37 7.3	1.523	2.307	19.0	20.4
10 18	3 35.23	+38 24.3	1.457	2.311	16.1	20.2
10 28	3 27.27	+39 19.7	1.409	2.316	12.9	20.0
11 7	3 16.83	+39 47.4	1.382	2.322	10.1	19.9
11 17	3 5.39	+39 44.6	1.380	2.329	8.9	19.8
11 27	2 54.81	+39 13.8	1.403	2.337	10.1	19.9
12 7	2 46.67	+38 23.4	1.449	2.345	12.7	20.1
12 17	2 41.95	+37 23.5	1.517	2.355	15.7	20.3

521717 2015 RD_{267} 11 12.4 316.°02 1.°4/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.50	+22 5.1	1.984	2.805	13.9	21.3
10 18	3 31.61	+22 11.3	1.900	2.799	10.7	21.1
10 28	3 24.45	+22 8.1	1.839	2.794	7.0	20.9
11 7	3 15.72	+21 55.8	1.805	2.789	3.0	20.6
11 17	3 6.38	+21 36.1	1.798	2.783	2.2	20.5
11 27	2 57.55	+21 12.3	1.821	2.778	6.1	20.8
12 7	2 50.24	+20 48.9	1.870	2.773	9.9	21.0
12 17	2 45.16	+20 30.1	1.944	2.769	13.3	21.2

204479 2005 AW_{54} 11 12.4 16.°21 3.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.07	+13 49.5	1.012	1.894	19.5	18.3
10 18	3 28.58	+12 53.8	0.969	1.904	14.6	18.0
10 28	3 22.90	+11 51.2	0.945	1.915	9.2	17.8
11 7	3 15.18	+10 49.2	0.942	1.928	4.3	17.6
11 17	3 6.95	+ 9 56.5	0.963	1.943	5.4	17.7
11 27	2 59.87	+ 9 20.7	1.007	1.960	10.4	18.0
12 7	2 55.18	+ 9 6.1	1.072	1.979	15.2	18.4
12 17	2 53.55	+ 9 13.2	1.156	1.999	19.2	18.7

398590 2011 WS_{71} 11 12.4 15.°32 3.°0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.57	+10 46.0	1.264	2.127	17.7	19.5
10 18	3 32.32	+10 51.1	1.210	2.134	13.4	19.2
10 28	3 25.12	+10 56.3	1.177	2.142	8.5	19.0
11 7	3 15.97	+11 4.7	1.166	2.152	3.8	18.8
11 17	3 6.23	+11 19.1	1.182	2.163	4.3	18.8
11 27	2 57.44	+11 42.2	1.222	2.175	9.0	19.1
12 7	2 50.83	+12 15.4	1.286	2.189	13.5	19.4
12 17	2 47.15	+12 58.9	1.372	2.204	17.4	19.7

311711 2006 SN_{325} 11 12.4 267.°62 0.°6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.14	+17 44.9	1.934	2.766	13.7	21.5
10 18	3 31.24	+17 23.0	1.857	2.765	10.4	21.3
10 28	3 24.15	+16 53.5	1.802	2.763	6.5	21.1
11 7	3 15.60	+16 18.7	1.775	2.762	2.3	20.8
11 17	3 6.53	+15 42.0	1.776	2.760	2.3	20.8
11 27	2 58.04	+15 7.8	1.805	2.759	6.5	21.1
12 7	2 51.08	+14 40.5	1.862	2.758	10.4	21.3
12 17	2 46.29	+14 23.4	1.942	2.756	13.7	21.5

168583 1999 XJ_{231} 11 12.4 297.°11 18.°7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.68	+47 46.3	1.156	1.898	26.1	19.1
10 18	3 49.96	+50 44.5	1.089	1.890	23.8	18.9
10 28	3 38.79	+53 16.7	1.037	1.883	21.5	18.7
11 7	3 21.64	+55 4.2	1.001	1.876	19.6	18.6
11 17	3 0.90	+55 50.6	0.984	1.869	18.7	18.5
11 27	2 40.87	+55 31.4	0.985	1.862	19.2	18.5
12 7	2 25.65	+54 18.7	1.004	1.856	20.9	18.6
12 17	2 17.45	+52 33.4	1.040	1.850	23.3	18.7

54101 2000 HM_5 11 12.4 319°.26 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.54	+14 45.6	1.304	2.159	17.7	18.7
10 18	3 34.29	+14 57.7	1.222	2.141	13.6	18.4
10 28	3 26.75	+15 6.0	1.159	2.124	8.6	18.0
11 7	3 16.71	+15 12.2	1.120	2.108	3.2	17.7
11 17	3 5.50	+15 18.3	1.107	2.092	3.2	17.6
11 27	2 54.85	+15 28.0	1.119	2.076	9.0	17.9
12 7	2 46.33	+15 44.8	1.155	2.062	14.3	18.2
12 17	2 41.05	+16 11.5	1.211	2.048	18.9	18.4

481967 2009 EO_9 11 12.4 325°.92 0°.2/12.3 18

10 8	3 34.87	+19 27.5	1.479	2.326	16.4	21.4
10 18	3 31.05	+19 6.7	1.398	2.313	12.6	21.1
10 28	3 24.43	+18 34.5	1.338	2.301	8.0	20.8
11 7	3 15.80	+17 53.0	1.302	2.289	2.8	20.5
11 17	3 6.35	+17 6.5	1.292	2.278	2.5	20.4
11 27	2 57.53	+16 21.2	1.309	2.267	7.8	20.7
12 7	2 50.62	+15 43.6	1.351	2.258	12.6	21.0
12 17	2 46.47	+15 18.8	1.414	2.248	16.8	21.2

66131 1998 SA_{123} 11 12.4 27°.56 0°.3/12.5 18

10 8	3 34.61	+19 53.8	1.766	2.603	14.7	19.2
10 18	3 30.19	+19 40.6	1.703	2.612	11.1	19.0
10 28	3 23.50	+19 18.3	1.662	2.623	7.0	18.8
11 7	3 15.36	+18 48.7	1.647	2.634	2.5	18.6
11 17	3 6.79	+18 15.1	1.659	2.645	2.1	18.6
11 27	2 58.93	+17 42.1	1.700	2.657	6.4	18.9
12 7	2 52.74	+17 14.3	1.766	2.670	10.4	19.1
12 17	2 48.83	+16 55.4	1.856	2.683	13.7	19.4

279198 2009 TJ_{17} 11 12.4 18°.25 3°.5/10.4 18

10 8	3 34.04	+ 9 38.0	1.773	2.621	14.1	19.9
10 18	3 29.66	+ 9 7.9	1.710	2.626	10.6	19.7
10 28	3 23.14	+ 8 37.3	1.671	2.632	6.9	19.5
11 7	3 15.23	+ 8 10.4	1.658	2.639	3.8	19.4
11 17	3 6.90	+ 7 51.0	1.672	2.646	4.6	19.4
11 27	2 59.22	+ 7 42.9	1.713	2.653	8.0	19.7
12 7	2 53.09	+ 7 48.0	1.780	2.662	11.6	19.9
12 17	2 49.14	+ 8 7.0	1.869	2.671	14.7	20.1

101016 1998 QP_{55} 11 12.4 52°.01 0°.8/12.8 18

10 8	3 39.19	+20 33.3	1.528	2.363	16.6	18.9
10 18	3 33.83	+20 31.3	1.475	2.383	12.6	18.7
10 28	3 25.83	+20 18.8	1.444	2.404	7.9	18.5
11 7	3 16.18	+19 57.3	1.438	2.424	3.0	18.2
11 17	3 6.13	+19 29.8	1.460	2.445	2.3	18.2
11 27	2 57.06	+19 1.3	1.508	2.467	7.0	18.6
12 7	2 50.04	+18 37.0	1.583	2.488	11.2	18.9
12 17	2 45.72	+18 21.1	1.680	2.510	14.8	19.2

258784 2002 JT_{100} 11 12.4 260°.32 0°.2/12.5 17

10 8	3 35.48	+19 32.4	2.336	3.155	12.1	21.6
10 18	3 30.53	+19 18.8	2.241	3.142	9.2	21.4
10 28	3 23.65	+18 57.7	2.171	3.128	5.8	21.1
11 7	3 15.44	+18 30.3	2.128	3.114	2.1	20.9
11 17	3 6.68	+17 58.9	2.114	3.100	1.8	20.8
11 27	2 58.31	+17 27.1	2.131	3.085	5.6	21.0
12 7	2 51.17	+16 58.7	2.176	3.071	9.1	21.2
12 17	2 45.91	+16 37.2	2.245	3.056	12.2	21.4

442214 2011 HS_{17} 11 12.4 200°.68 0°.1/12.4 18

10 8	3 39.46	+19 52.4	1.920	2.742	14.2	22.3
10 18	3 33.81	+19 28.7	1.837	2.739	10.8	22.1
10 28	3 25.81	+18 55.2	1.777	2.735	6.8	21.8
11 7	3 16.21	+18 13.7	1.744	2.731	2.4	21.6
11 17	3 6.04	+17 27.5	1.741	2.726	2.1	21.5
11 27	2 56.47	+16 41.6	1.767	2.721	6.6	21.8
12 7	2 48.52	+16 1.4	1.820	2.715	10.6	22.0
12 17	2 42.91	+15 31.2	1.897	2.709	14.1	22.3

161535 2004 VR_9 11 12.4 66°.97 5°.0/10.4 18

10 8	3 43.20	+ 8 57.2	1.154	2.012	19.3	19.3
10 18	3 37.12	+ 8 14.5	1.116	2.036	14.6	19.1
10 28	3 27.94	+ 7 32.7	1.099	2.061	9.5	18.9
11 7	3 16.90	+ 6 58.2	1.105	2.086	5.4	18.8
11 17	3 5.60	+ 6 37.1	1.137	2.110	6.4	18.9
11 27	2 55.68	+ 6 33.4	1.194	2.135	10.6	19.2
12 7	2 48.34	+ 6 48.7	1.274	2.160	14.9	19.5
12 17	2 44.18	+ 7 21.4	1.373	2.184	18.5	19.8

215101 1995 LB 11 12.4 80°.07 2°.7/14.3 17

10 8	3 42.32	+32 45.4	1.072	1.898	22.8	19.1
10 18	3 37.26	+30 57.2	1.010	1.908	17.9	18.9
10 28	3 28.36	+28 29.3	0.967	1.918	12.1	18.6
11 7	3 17.10	+25 26.4	0.947	1.928	5.8	18.3
11 17	3 5.46	+22 2.6	0.953	1.938	3.3	18.2
11 27	2 55.47	+18 39.8	0.987	1.949	9.1	18.5
12 7	2 48.55	+15 38.9	1.046	1.959	14.8	18.9
12 17	2 45.32	+13 12.7	1.126	1.969	19.7	19.2

427428 2000 SK_{181} 11 12.4 32°.41 4°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.33	+25 32.8	0.982	1.834	22.4	19.6
10 18	3 36.92	+26 24.5	0.936	1.848	17.5	19.3
10 28	3 28.45	+26 57.8	0.908	1.863	12.0	19.1
11 7	3 17.24	+27 9.2	0.900	1.880	6.7	18.8
11 17	3 5.25	+26 58.9	0.915	1.897	5.1	18.8
11 27	2 54.71	+26 33.2	0.954	1.916	9.4	19.1
12 7	2 47.32	+26 1.7	1.015	1.935	14.4	19.5
12 17	2 43.91	+25 33.6	1.095	1.955	18.8	19.8

348331 2005 EO_5 11 12.4 293°.41 1°.6/13.1 17

10 8	3 38.87	+21 57.2	1.736	2.562	15.4	21.7
10 18	3 34.03	+22 9.6	1.634	2.535	12.0	21.4
10 28	3 26.37	+22 12.2	1.553	2.508	7.9	21.1
11 7	3 16.56	+22 4.4	1.498	2.482	3.5	20.8
11 17	3 5.66	+21 47.2	1.470	2.455	2.5	20.7
11 27	2 55.09	+21 23.8	1.470	2.428	7.2	20.9
12 7	2 46.19	+20 59.8	1.496	2.401	11.8	21.1
12 17	2 39.97	+20 40.5	1.545	2.374	15.9	21.3

30162 Courtney 11 12.4 186°.24 0°.4/12.6 18

10 8	3 40.04	+20 29.3	1.908	2.728	14.4	19.5
10 18	3 34.25	+20 13.5	1.828	2.728	11.0	19.3
10 28	3 26.09	+19 47.8	1.771	2.728	7.0	19.0
11 7	3 16.32	+19 13.6	1.741	2.727	2.6	18.8
11 17	3 5.98	+18 33.8	1.740	2.725	2.0	18.7
11 27	2 56.27	+17 53.2	1.768	2.723	6.5	19.0
12 7	2 48.24	+17 16.9	1.824	2.721	10.5	19.2
12 17	2 42.57	+16 49.3	1.904	2.717	14.0	19.5

405872 2006 DS_{176} 11 12.4 234°.20 2°.6/10.4 17

10 8	3 33.65	+11 4.5	2.490	3.322	11.1	21.6
10 18	3 28.90	+10 27.7	2.408	3.315	8.3	21.4
10 28	3 22.50	+ 9 48.7	2.350	3.309	5.4	21.2
11 7	3 15.02	+ 9 10.5	2.321	3.302	2.8	21.0
11 17	3 7.15	+ 8 36.6	2.321	3.295	3.5	21.1
11 27	2 59.67	+ 8 10.3	2.351	3.288	6.4	21.2
12 7	2 53.30	+ 7 54.3	2.408	3.281	9.3	21.4
12 17	2 48.56	+ 7 49.9	2.490	3.273	12.0	21.6

231808 2000 ES_{166} 11 12.4 300°.96 6°.4/ 8.1 17

10 8	3 34.27	+ 0 7.3	2.117	2.951	12.6	19.8
10 18	3 29.68	− 0 39.1	2.035	2.934	10.1	19.6
10 28	3 23.15	− 1 19.9	1.977	2.917	7.7	19.5
11 7	3 15.30	− 1 49.9	1.946	2.900	6.5	19.3
11 17	3 6.91	− 2 4.5	1.941	2.883	7.3	19.4
11 27	2 58.92	− 2 0.6	1.964	2.866	9.7	19.5
12 7	2 52.19	− 1 37.2	2.012	2.849	12.4	19.6
12 17	2 47.35	− 0 55.6	2.081	2.833	15.0	19.8

130356 2000 GW_{43} 11 12.4 187°.86 2°.6/ 9.9 18

10 8	3 32.40	+11 3.4	2.735	3.565	10.2	20.4
10 18	3 27.78	+10 9.4	2.657	3.564	7.7	20.2
10 28	3 21.71	+ 9 13.0	2.605	3.563	5.0	20.1
11 7	3 14.72	+ 8 17.4	2.583	3.562	2.8	19.9
11 17	3 7.44	+ 7 26.4	2.590	3.561	3.5	20.0
11 27	3 0.55	+ 6 43.7	2.628	3.560	6.1	20.1
12 7	2 54.66	+ 6 11.9	2.693	3.558	8.8	20.3
12 17	2 50.25	+ 5 52.5	2.784	3.556	11.1	20.5

94102 2000 YA_{77} 11 12.4 40°.02 4°.5/ 9.9 18

10 8	3 36.29	+ 5 34.2	1.988	2.826	13.2	19.4
10 18	3 31.15	+ 5 8.7	1.922	2.830	10.1	19.2
10 28	3 24.01	+ 4 46.1	1.880	2.833	6.9	19.0
11 7	3 15.58	+ 4 30.4	1.864	2.837	4.7	18.9
11 17	3 6.73	+ 4 25.0	1.877	2.841	5.4	19.0
11 27	2 58.47	+ 4 32.5	1.917	2.846	8.2	19.2
12 7	2 51.65	+ 4 53.9	1.984	2.850	11.3	19.4
12 17	2 46.85	+ 5 28.6	2.074	2.855	14.1	19.6

193018 2000 EV_{42} 11 12.4 151°.27 4°.4/ 8.3 18

10 8	3 32.31	+ 4 39.8	2.678	3.509	10.4	20.2
10 18	3 27.69	+ 3 36.3	2.612	3.514	8.0	20.1
10 28	3 21.64	+ 2 34.4	2.571	3.518	5.7	19.9
11 7	3 14.70	+ 1 38.3	2.559	3.523	4.4	19.9
11 17	3 7.50	+ 0 52.2	2.577	3.526	5.2	19.9
11 27	3 0.71	+ 0 19.2	2.623	3.530	7.3	20.1
12 7	2 54.95	+ 0 1.1	2.696	3.534	9.6	20.2
12 17	2 50.66	− 0 1.9	2.793	3.537	11.8	20.4

348376 2005 GZ_1 11 12.4 203°.69 5°.1/ 9.7 18

10 8	3 39.33	+ 3 29.0	1.998	2.829	13.4	20.4
10 18	3 33.48	+ 3 6.0	1.925	2.827	10.4	20.2
10 28	3 25.51	+ 2 47.6	1.876	2.824	7.4	20.1
11 7	3 16.13	+ 2 37.9	1.853	2.822	5.3	19.9
11 17	3 6.26	+ 2 40.4	1.859	2.819	6.0	20.0
11 27	2 56.95	+ 2 57.2	1.894	2.816	8.7	20.1
12 7	2 49.11	+ 3 29.1	1.955	2.812	11.9	20.3
12 17	2 43.39	+ 4 14.9	2.039	2.809	14.7	20.5

225009 2007 ED_{169} 11 12.4 33°.18 3°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.03	+10 56.1	2.050	2.892	12.7	20.2
10 18	3 28.67	+ 9 53.7	1.982	2.895	9.5	20.0
10 28	3 22.44	+ 8 48.2	1.938	2.898	6.2	19.8
11 7	3 15.02	+ 7 44.4	1.922	2.902	3.6	19.7
11 17	3 7.24	+ 6 47.6	1.934	2.905	4.5	19.7
11 27	3 0.01	+ 6 2.6	1.975	2.909	7.6	19.9
12 7	2 54.14	+ 5 32.7	2.042	2.913	10.8	20.2
12 17	2 50.16	+ 5 19.2	2.132	2.917	13.7	20.4

261704 2005 YC_{270} 11 12.4 212°.97 4°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.65	+36 3.9	2.886	3.632	11.8	21.2
10 18	3 32.04	+36 14.8	2.788	3.625	9.8	21.1
10 28	3 24.55	+36 11.2	2.714	3.618	7.5	20.9
11 7	3 15.79	+35 51.7	2.665	3.610	5.5	20.8
11 17	3 6.55	+35 16.5	2.646	3.603	4.6	20.7
11 27	2 57.74	+34 28.0	2.656	3.594	5.7	20.8
12 7	2 50.17	+33 30.7	2.695	3.585	7.8	20.9
12 17	2 44.45	+32 29.9	2.761	3.576	10.1	21.0

225474 2000 FE_{59} 11 12.4 298°.74 2°.2/11.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.86	+11 54.2	2.154	2.988	12.5	20.3
10 18	3 31.04	+11 42.6	2.053	2.962	9.5	20.0
10 28	3 24.13	+11 29.0	1.976	2.936	6.1	19.8
11 7	3 15.71	+11 15.7	1.926	2.910	2.8	19.5
11 17	3 6.58	+11 5.5	1.905	2.885	3.3	19.5
11 27	2 57.75	+11 1.5	1.913	2.859	6.9	19.7
12 7	2 50.15	+11 6.2	1.949	2.833	10.6	19.9
12 17	2 44.51	+11 21.3	2.008	2.807	13.9	20.0

283845 2003 UE_{126} 11 12.4 29°.13 10°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.27	− 6 10.2	1.293	2.137	18.5	19.3
10 18	3 34.02	− 6 48.6	1.254	2.150	15.2	19.1
10 28	3 26.00	− 7 8.4	1.235	2.165	12.3	19.0
11 7	3 16.29	− 7 2.4	1.238	2.180	10.8	18.9
11 17	3 6.24	− 6 26.6	1.265	2.197	11.4	19.0
11 27	2 57.29	− 5 21.5	1.316	2.214	13.7	19.2
12 7	2 50.54	− 3 51.6	1.388	2.232	16.6	19.4
12 17	2 46.60	− 2 3.5	1.480	2.251	19.3	19.7

394143 2006 KO_{71} 11 12.4 264°.94 3°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.45	+10 57.9	1.816	2.658	14.1	21.5
10 18	3 31.65	+10 10.8	1.733	2.646	10.7	21.3
10 28	3 24.55	+ 9 20.0	1.674	2.634	6.9	21.0
11 7	3 15.85	+ 8 30.1	1.640	2.622	3.8	20.8
11 17	3 6.51	+ 7 46.2	1.635	2.609	4.7	20.9
11 27	2 57.70	+ 7 13.8	1.658	2.597	8.4	21.1
12 7	2 50.42	+ 6 56.3	1.707	2.584	12.3	21.3
12 17	2 45.41	+ 6 55.6	1.777	2.571	15.6	21.5

514724 2006 VL_{67} 11 12.4 354°.29 1°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.27	+13 25.2	1.001	1.877	20.2	20.4
10 18	3 33.09	+13 47.1	0.939	1.870	15.4	20.1
10 28	3 26.20	+14 7.1	0.895	1.864	9.8	19.7
11 7	3 16.59	+14 27.3	0.872	1.860	3.6	19.4
11 17	3 5.87	+14 49.5	0.872	1.857	3.8	19.4
11 27	2 56.08	+15 16.8	0.895	1.856	9.9	19.7
12 7	2 48.93	+15 51.8	0.939	1.857	15.6	20.1
12 17	2 45.46	+16 36.2	1.002	1.859	20.4	20.4

297180 2010 WM_{38} 11 12.4 38°.34 3°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.32	+10 51.0	1.087	1.953	19.7	20.1
10 18	3 35.45	+10 36.5	1.041	1.966	14.9	19.9
10 28	3 27.21	+10 21.2	1.013	1.979	9.5	19.6
11 7	3 16.79	+10 9.6	1.008	1.993	4.5	19.4
11 17	3 5.82	+10 6.2	1.027	2.007	5.2	19.5
11 27	2 56.07	+10 15.1	1.071	2.023	10.2	19.8
12 7	2 48.92	+10 38.4	1.137	2.039	15.0	20.2
12 17	2 45.11	+11 15.9	1.223	2.055	19.1	20.5

112502 2002 PA_{18} 11 12.4 59°.88 0°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.57	+20 59.9	1.683	2.514	15.5	20.4
10 18	3 32.57	+20 44.1	1.617	2.523	11.8	20.2
10 28	3 25.09	+20 17.4	1.574	2.532	7.5	19.9
11 7	3 16.01	+19 41.5	1.556	2.542	2.8	19.7
11 17	3 6.45	+19 0.0	1.565	2.551	2.1	19.7
11 27	2 57.66	+18 18.2	1.603	2.561	6.7	20.0
12 7	2 50.71	+17 41.6	1.667	2.571	10.9	20.2
12 17	2 46.25	+17 14.5	1.755	2.581	14.4	20.5

212578 2006 SD_{123} 11 12.4 29°.24 6°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.36	+ 3 5.8	1.672	2.520	14.8	19.9
10 18	3 30.74	+ 2 8.4	1.615	2.525	11.5	19.7
10 28	3 23.88	+ 1 15.9	1.580	2.530	8.4	19.5
11 7	3 15.57	+ 0 34.4	1.571	2.535	6.6	19.4
11 17	3 6.84	+ 0 9.6	1.587	2.541	7.5	19.5
11 27	2 58.81	+ 0 5.1	1.630	2.546	10.3	19.7
12 7	2 52.44	+ 0 21.6	1.697	2.553	13.5	19.9
12 17	2 48.34	+ 0 57.6	1.785	2.559	16.3	20.1

299120 2005 EW_{184} 11 12.4 219°.64 0°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.88	+18 53.2	2.115	2.939	13.0	21.3
10 18	3 31.70	+18 23.1	2.030	2.933	9.9	21.1
10 28	3 24.45	+17 44.4	1.968	2.927	6.2	20.9
11 7	3 15.80	+16 59.2	1.933	2.920	2.2	20.6
11 17	3 6.63	+16 11.1	1.928	2.913	2.1	20.6
11 27	2 57.97	+15 24.6	1.952	2.905	6.2	20.8
12 7	2 50.72	+14 44.5	2.005	2.897	9.9	21.1
12 17	2 45.53	+14 14.4	2.081	2.889	13.2	21.3

149049 2002 BP_{16} 11 12.4 131°.04 4°.8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.35	+ 4 46.7	2.262	3.097	11.9	19.9
10 18	3 29.46	+ 3 51.3	2.198	3.103	9.2	19.8
10 28	3 22.86	+ 2 58.1	2.159	3.108	6.5	19.6
11 7	3 15.18	+ 2 11.8	2.147	3.113	4.9	19.5
11 17	3 7.19	+ 1 36.6	2.164	3.118	5.7	19.6
11 27	2 59.71	+ 1 15.9	2.209	3.123	8.1	19.8
12 7	2 53.47	+ 1 11.3	2.280	3.128	10.8	19.9
12 17	2 48.99	+ 1 22.6	2.374	3.132	13.2	20.1

77443 2001 HL_2 11 12.4 231°.97 0°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.69	+17 18.8	1.782	2.611	14.9	20.5
10 18	3 35.03	+17 2.2	1.694	2.600	11.3	20.2
10 28	3 26.78	+16 37.8	1.629	2.589	7.1	20.0
11 7	3 16.69	+16 7.5	1.591	2.577	2.5	19.6
11 17	3 5.84	+15 34.6	1.580	2.565	2.6	19.6
11 27	2 55.53	+15 3.7	1.599	2.552	7.3	19.9
12 7	2 46.93	+14 39.6	1.645	2.539	11.6	20.1
12 17	2 40.84	+14 26.3	1.713	2.524	15.4	20.3

48079 2001 FQ_{33} 11 12.4 164°.85 3°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.34	+ 8 17.6	2.324	3.155	11.8	20.0
10 18	3 30.91	+ 7 16.3	2.255	3.160	8.9	19.9
10 28	3 23.75	+ 6 14.1	2.211	3.165	6.0	19.7
11 7	3 15.50	+ 5 15.5	2.195	3.169	4.0	19.6
11 17	3 6.92	+ 4 25.1	2.210	3.173	4.8	19.6
11 27	2 58.88	+ 3 46.9	2.253	3.176	7.5	19.8
12 7	2 52.08	+ 3 23.4	2.324	3.179	10.4	20.0
12 17	2 47.08	+ 3 15.5	2.419	3.181	12.9	20.2

100571 1997 HH_2 11 12.4 74°.70 2°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.55	+14 44.4	1.448	2.291	16.9	20.5
10 18	3 35.52	+14 10.5	1.403	2.317	12.6	20.3
10 28	3 26.85	+13 31.0	1.379	2.342	7.8	20.1
11 7	3 16.59	+12 50.0	1.381	2.367	3.1	19.9
11 17	3 6.07	+12 12.4	1.410	2.391	3.6	20.0
11 27	2 56.64	+11 43.6	1.466	2.416	8.1	20.3
12 7	2 49.37	+11 27.4	1.548	2.440	12.3	20.6
12 17	2 44.85	+11 25.5	1.651	2.464	15.8	20.9

124114 2001 HX_{65} 11 12.4 140°.66 6°.8/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.95	− 4 17.7	2.604	3.424	11.0	19.7
10 18	3 28.20	− 5 24.6	2.548	3.429	9.0	19.6
10 28	3 21.98	− 6 23.7	2.517	3.435	7.4	19.5
11 7	3 14.86	− 7 10.3	2.512	3.440	6.8	19.5
11 17	3 7.48	− 7 40.3	2.536	3.445	7.5	19.5
11 27	3 0.55	− 7 51.4	2.586	3.450	9.2	19.7
12 7	2 54.68	− 7 43.4	2.662	3.455	11.1	19.8
12 17	2 50.33	− 7 17.6	2.758	3.459	12.8	20.0

220413 2003 SD_{193} 11 12.4 29°.43 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.63	+21 28.1	2.161	2.984	12.8	19.8
10 18	3 29.16	+20 48.4	2.084	2.987	9.7	19.6
10 28	3 22.79	+19 58.3	2.031	2.989	6.1	19.4
11 7	3 15.19	+19 0.1	2.005	2.992	2.2	19.1
11 17	3 7.21	+17 57.8	2.009	2.994	1.8	19.1
11 27	2 59.79	+16 56.3	2.042	2.997	5.7	19.4
12 7	2 53.73	+16 1.0	2.102	3.000	9.3	19.6
12 17	2 49.60	+15 15.7	2.188	3.003	12.3	19.8

51112 2000 HQ_{27} 11 12.4 353°.51 4°.0/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.09	+22 58.3	0.927	1.797	21.9	18.1
10 18	3 32.15	+19 48.1	0.864	1.794	16.5	17.7
10 28	3 25.44	+15 59.1	0.822	1.792	10.1	17.4
11 7	3 16.24	+11 48.0	0.803	1.790	4.4	17.1
11 17	3 6.38	+ 7 40.6	0.811	1.789	6.9	17.2
11 27	2 57.85	+ 4 4.9	0.844	1.789	13.4	17.6
12 7	2 52.13	+ 1 18.7	0.900	1.789	19.2	17.9
12 17	2 49.98	− 0 32.8	0.972	1.791	23.9	18.2

212364 2006 GC_{23} 11 12.4 90°.09 2°.3/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.75	+14 59.3	1.348	2.195	17.7	20.5
10 18	3 35.99	+14 20.6	1.295	2.211	13.3	20.3
10 28	3 27.32	+13 34.9	1.264	2.227	8.3	20.0
11 7	3 16.82	+12 46.8	1.257	2.243	3.3	19.8
11 17	3 5.90	+12 2.2	1.277	2.259	3.9	19.9
11 27	2 56.07	+11 27.2	1.324	2.274	8.8	20.2
12 7	2 48.52	+11 6.5	1.396	2.290	13.3	20.5
12 17	2 43.93	+11 2.1	1.488	2.304	17.1	20.8

517153 2013 KP_{16} 11 12.4 161°.19 3°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.71	+ 5 18.5	2.663	3.488	10.6	22.1
10 18	3 30.25	+ 4 49.0	2.593	3.493	8.1	22.0
10 28	3 23.28	+ 4 21.6	2.548	3.498	5.6	21.8
11 7	3 15.34	+ 3 59.5	2.532	3.502	3.9	21.7
11 17	3 7.10	+ 3 45.4	2.546	3.506	4.5	21.7
11 27	2 59.30	+ 3 41.8	2.590	3.510	6.8	21.9
12 7	2 52.58	+ 3 49.7	2.661	3.513	9.3	22.1
12 17	2 47.42	+ 4 9.1	2.757	3.516	11.5	22.2

289817 2005 KL 11 12.4 88°.04 2°.7/10.9 16

10 8	3 42.59	+13 23.6	1.533	2.372	16.4	21.2
10 18	3 36.14	+12 43.3	1.487	2.399	12.2	21.0
10 28	3 27.17	+11 58.8	1.464	2.425	7.6	20.8
11 7	3 16.71	+11 14.4	1.467	2.451	3.4	20.6
11 17	3 6.02	+10 35.4	1.498	2.477	4.0	20.7
11 27	2 56.40	+10 6.6	1.557	2.502	8.2	21.0
12 7	2 48.87	+ 9 51.4	1.641	2.527	12.2	21.3
12 17	2 44.00	+ 9 51.1	1.748	2.550	15.5	21.6

13097 Lamoraal 11 12.4 8°.35 0°.5/12.1 18

10 8	3 38.25	+19 1.2	1.461	2.304	16.8	18.4
10 18	3 33.50	+18 30.6	1.391	2.304	12.8	18.2
10 28	3 25.91	+17 48.7	1.341	2.304	8.0	17.9
11 7	3 16.39	+16 58.4	1.317	2.304	2.8	17.6
11 17	3 6.21	+16 4.5	1.319	2.304	2.7	17.6
11 27	2 56.85	+15 14.0	1.348	2.305	7.9	17.9
12 7	2 49.52	+14 33.3	1.403	2.305	12.6	18.2
12 17	2 45.02	+14 7.0	1.479	2.306	16.6	18.5

45902 2000 YJ_{18} 11 12.4 322°.81 0°.5/12.6 18

10 8	3 37.67	+19 15.9	1.519	2.360	16.4	18.7
10 18	3 33.18	+19 20.8	1.439	2.350	12.6	18.4
10 28	3 25.83	+19 16.8	1.380	2.341	8.0	18.1
11 7	3 16.42	+19 4.8	1.345	2.332	3.0	17.8
11 17	3 6.14	+18 47.0	1.337	2.323	2.4	17.7
11 27	2 56.48	+18 27.7	1.356	2.315	7.5	18.0
12 7	2 48.75	+18 12.1	1.400	2.307	12.3	18.3
12 17	2 43.83	+18 4.7	1.466	2.300	16.4	18.5

42614 Ubaldina 11 12.4 238°.19 0°.6/12.7 18

10 8	3 40.15	+21 1.9	1.535	2.367	16.7	19.4
10 18	3 35.00	+20 45.4	1.454	2.361	12.8	19.1
10 28	3 26.92	+20 16.5	1.395	2.354	8.2	18.9
11 7	3 16.79	+19 36.4	1.361	2.347	3.1	18.5
11 17	3 5.85	+18 48.7	1.354	2.340	2.4	18.5
11 27	2 55.62	+17 59.6	1.375	2.333	7.6	18.8
12 7	2 47.40	+17 16.1	1.421	2.325	12.4	19.0
12 17	2 42.06	+16 43.7	1.490	2.317	16.5	19.3

269565 2009 WT_{82} 11 12.4 287°.39 3°.0/14.7 17

10 8	3 35.38	+28 53.6	2.318	3.112	13.0	21.2
10 18	3 30.58	+28 51.4	2.230	3.108	10.3	21.0
10 28	3 23.76	+28 35.8	2.165	3.104	7.2	20.8
11 7	3 15.58	+28 6.6	2.127	3.100	4.2	20.6
11 17	3 6.90	+27 25.2	2.117	3.095	3.2	20.5
11 27	2 58.71	+26 35.2	2.136	3.091	5.5	20.6
12 7	2 51.89	+25 42.0	2.184	3.087	8.7	20.8
12 17	2 47.08	+24 50.8	2.257	3.083	11.6	21.0

294826 2008 CC_{140} 11 12.4 335°.08 1°.7/11.6 18

10 8	3 36.00	+16 54.0	1.188	2.050	18.6	20.8
10 18	3 32.41	+16 19.1	1.118	2.042	14.2	20.5
10 28	3 25.54	+15 33.0	1.068	2.035	8.9	20.2
11 7	3 16.34	+14 39.9	1.040	2.028	3.3	19.8
11 17	3 6.24	+13 46.2	1.037	2.021	3.7	19.9
11 27	2 56.98	+13 0.1	1.059	2.016	9.5	20.2
12 7	2 50.03	+12 28.6	1.104	2.011	14.8	20.5
12 17	2 46.32	+12 15.6	1.168	2.007	19.3	20.7

447600 2006 UY_{98} 11 12.4 336°.36 1°.8/11.5 18

10 8	3 36.44	+13 56.1	1.711	2.554	14.7	20.6
10 18	3 31.80	+13 45.6	1.634	2.548	11.2	20.4
10 28	3 24.73	+13 31.2	1.580	2.543	7.0	20.1
11 7	3 15.98	+13 15.4	1.551	2.538	2.8	19.9
11 17	3 6.58	+13 1.4	1.550	2.533	3.2	19.9
11 27	2 57.76	+12 53.0	1.577	2.528	7.5	20.1
12 7	2 50.60	+12 53.3	1.629	2.524	11.6	20.4
12 17	2 45.84	+13 4.6	1.704	2.521	15.2	20.6

296173 2009 BH_{136} 11 12.4 47°.63 3°.7/10.4 18

10 8	3 36.90	+10 58.8	1.488	2.341	16.1	20.5
10 18	3 32.09	+10 14.1	1.437	2.356	12.1	20.3
10 28	3 24.78	+ 9 27.2	1.409	2.371	7.7	20.1
11 7	3 15.93	+ 8 43.6	1.405	2.387	4.1	19.9
11 17	3 6.70	+ 8 8.5	1.428	2.403	5.0	20.0
11 27	2 58.37	+ 7 46.8	1.477	2.420	8.9	20.3
12 7	2 51.96	+ 7 41.2	1.552	2.437	12.8	20.5
12 17	2 48.08	+ 7 52.2	1.647	2.454	16.1	20.8

23786 1998 QK_{16} 11 12.4 60°.62 7°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.06	+38 51.1	1.662	2.427	18.4	18.2
10 18	3 36.44	+39 18.9	1.602	2.445	15.4	18.0
10 28	3 27.73	+39 21.9	1.561	2.464	12.1	17.9
11 7	3 17.01	+38 56.6	1.542	2.482	9.2	17.7
11 17	3 5.77	+38 3.4	1.548	2.501	7.7	17.7
11 27	2 55.65	+36 48.0	1.581	2.520	8.7	17.8
12 7	2 47.91	+35 20.1	1.640	2.539	11.3	18.0
12 17	2 43.28	+33 50.1	1.722	2.558	14.2	18.2

219899 2002 EH_{119} 11 12.4 137°.95 1°.4/13.5 18

10 8	3 36.29	+23 57.5	2.529	3.332	11.7	20.9
10 18	3 30.91	+23 45.7	2.452	3.341	9.0	20.8
10 28	3 23.79	+23 24.3	2.399	3.349	5.9	20.6
11 7	3 15.56	+22 54.1	2.375	3.357	2.7	20.4
11 17	3 6.98	+22 17.2	2.380	3.365	1.8	20.3
11 27	2 58.91	+21 37.0	2.416	3.372	4.9	20.6
12 7	2 52.10	+20 57.6	2.481	3.379	8.0	20.8
12 17	2 47.07	+20 22.7	2.572	3.386	10.7	21.0

189038 2000 KY_{36} 11 12.4 71°.21 1°.6/11.9 18

10 8	3 47.56	+12 14.7	1.482	2.315	17.1	19.8
10 18	3 40.08	+12 43.9	1.434	2.341	12.9	19.6
10 28	3 29.76	+13 12.1	1.408	2.368	8.0	19.4
11 7	3 17.68	+13 39.8	1.408	2.394	3.0	19.1
11 17	3 5.24	+14 7.8	1.437	2.420	3.1	19.2
11 27	2 53.94	+14 37.6	1.494	2.446	7.8	19.6
12 7	2 44.93	+15 11.0	1.579	2.472	12.1	19.9
12 17	2 38.88	+15 49.4	1.686	2.498	15.6	20.2

195972 2002 RH_{185} 11 12.4 56°.34 3°.0/ 9.8 18

10 8	3 32.57	+12 31.1	2.204	3.042	12.0	19.7
10 18	3 28.18	+11 17.4	2.139	3.051	9.0	19.5
10 28	3 22.09	+ 9 59.5	2.100	3.061	5.7	19.3
11 7	3 14.94	+ 8 42.3	2.089	3.070	3.2	19.2
11 17	3 7.52	+ 7 30.9	2.107	3.079	4.0	19.2
11 27	3 0.65	+ 6 30.7	2.155	3.089	7.0	19.4
12 7	2 55.04	+ 5 45.1	2.229	3.099	10.1	19.6
12 17	2 51.20	+ 5 15.9	2.327	3.109	12.8	19.9

116578 2004 BB_{92} 11 12.4 106°.22 3°.7/15.1 18

10 8	3 39.20	+30 33.4	2.040	2.829	14.7	19.8
10 18	3 33.58	+30 31.6	1.968	2.841	11.7	19.7
10 28	3 25.65	+30 13.4	1.919	2.853	8.3	19.5
11 7	3 16.25	+29 38.6	1.895	2.865	5.1	19.3
11 17	3 6.42	+28 48.8	1.900	2.876	3.8	19.2
11 27	2 57.34	+27 49.0	1.934	2.888	6.1	19.4
12 7	2 49.97	+26 45.5	1.996	2.899	9.4	19.6
12 17	2 44.95	+25 44.9	2.082	2.910	12.4	19.9

157850 1998 SH_{101} 11 12.4 356°.82 2°.5/10.6 18

10 8	3 32.25	+14 27.4	1.853	2.699	13.7	19.3
10 18	3 28.37	+13 27.9	1.781	2.697	10.2	19.1
10 28	3 22.43	+12 21.8	1.732	2.695	6.4	18.8
11 7	3 15.12	+11 13.7	1.709	2.694	3.0	18.6
11 17	3 7.36	+10 9.2	1.715	2.694	3.8	18.7
11 27	3 0.19	+ 9 14.3	1.749	2.693	7.5	18.9
12 7	2 54.48	+ 8 33.5	1.808	2.694	11.2	19.1
12 17	2 50.84	+ 8 9.2	1.891	2.695	14.4	19.3

316297 2010 RB_{48} 11 12.4 9°.43 0°.2/12.5 18

10 8	3 35.18	+19 50.9	1.712	2.549	15.0	20.7
10 18	3 30.84	+19 34.3	1.641	2.550	11.4	20.5
10 28	3 24.09	+19 7.8	1.591	2.552	7.2	20.3
11 7	3 15.74	+18 33.5	1.567	2.554	2.6	20.0
11 17	3 6.84	+17 54.9	1.571	2.556	2.1	20.0
11 27	2 58.61	+17 16.9	1.602	2.559	6.7	20.3
12 7	2 52.08	+16 44.8	1.659	2.563	10.9	20.5
12 17	2 47.94	+16 22.6	1.739	2.567	14.5	20.8

400730 2009 SG_{268} 11 12.4 36°.87 0°.7/12.9 15

10 8	3 35.52	+21 9.4	1.922	2.749	14.0	21.3
10 18	3 30.81	+20 59.9	1.853	2.757	10.7	21.1
10 28	3 23.94	+20 40.9	1.808	2.765	6.8	20.9
11 7	3 15.66	+20 13.7	1.788	2.774	2.7	20.7
11 17	3 6.93	+19 41.1	1.797	2.782	1.9	20.6
11 27	2 58.85	+19 7.2	1.834	2.791	6.0	20.9
12 7	2 52.34	+18 36.8	1.898	2.801	9.8	21.2
12 17	2 48.01	+18 13.7	1.986	2.811	13.1	21.4

365399 2009 WV_{63} 11 12.4 301°.49 4°.4/ 9.9 17

10 8	3 36.92	+ 4 14.2	2.218	3.049	12.3	20.5
10 18	3 31.59	+ 4 2.4	2.138	3.041	9.5	20.3
10 28	3 24.34	+ 3 54.7	2.082	3.033	6.6	20.1
11 7	3 15.81	+ 3 54.3	2.054	3.025	4.5	20.0
11 17	3 6.79	+ 4 3.9	2.054	3.017	5.2	20.0
11 27	2 58.20	+ 4 25.4	2.083	3.009	7.8	20.1
12 7	2 50.87	+ 4 59.4	2.140	3.002	10.8	20.3
12 17	2 45.43	+ 5 45.3	2.220	2.995	13.5	20.5

145574 2006 OD_{13} 11 12.4 47°.34 9°.7/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.27	− 4 33.4	1.582	2.422	15.9	19.4
10 18	3 31.39	− 5 49.6	1.543	2.436	13.1	19.2
10 28	3 24.25	− 6 52.7	1.526	2.452	10.7	19.1
11 7	3 15.73	− 7 34.6	1.532	2.467	9.7	19.1
11 17	3 6.93	− 7 50.1	1.563	2.483	10.6	19.2
11 27	2 58.99	− 7 37.0	1.619	2.499	12.7	19.4
12 7	2 52.82	− 6 57.2	1.696	2.516	15.2	19.6
12 17	2 48.98	− 5 54.9	1.793	2.533	17.5	19.8

79136 1991 ND_4 11 12.4 63°.26 0°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.17	+20 36.4	1.282	2.124	18.8	18.9
10 18	3 36.36	+20 11.7	1.239	2.151	14.1	18.7
10 28	3 27.53	+19 34.2	1.216	2.177	8.8	18.5
11 7	3 16.91	+18 46.9	1.218	2.204	3.2	18.3
11 17	3 6.00	+17 55.3	1.245	2.231	2.5	18.3
11 27	2 56.39	+17 6.4	1.300	2.258	7.9	18.7
12 7	2 49.24	+16 27.0	1.379	2.285	12.5	19.0
12 17	2 45.15	+16 1.2	1.480	2.311	16.4	19.4

38477 1999 TR_{92} 11 12.4 63°.75 4°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.94	+ 7 35.3	2.027	2.869	12.8	18.7
10 18	3 29.35	+ 6 34.1	1.966	2.877	9.7	18.5
10 28	3 22.89	+ 5 33.0	1.929	2.885	6.6	18.3
11 7	3 15.26	+ 4 37.1	1.919	2.893	4.5	18.2
11 17	3 7.30	+ 3 51.5	1.938	2.901	5.4	18.3
11 27	2 59.93	+ 3 20.2	1.984	2.909	8.2	18.5
12 7	2 53.94	+ 3 5.6	2.057	2.917	11.2	18.7
12 17	2 49.85	+ 3 7.9	2.151	2.925	13.9	18.9

267807 2003 ST_{342} 11 12.4 72°.67 0°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.19	+20 25.9	2.219	3.041	12.6	21.3
10 18	3 30.30	+20 11.3	2.145	3.046	9.5	21.1
10 28	3 23.52	+19 48.5	2.095	3.052	6.0	20.9
11 7	3 15.50	+19 19.0	2.071	3.057	2.3	20.7
11 17	3 7.09	+18 45.3	2.077	3.063	1.7	20.6
11 27	2 59.21	+18 11.3	2.113	3.069	5.5	20.9
12 7	2 52.68	+17 40.8	2.176	3.075	9.0	21.1
12 17	2 48.08	+17 17.4	2.264	3.080	12.0	21.3

21853 Kelseykay 11 12.4 358°.30 2°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.29	+13 0.5	1.940	2.781	13.3	18.7
10 18	3 29.83	+12 25.8	1.867	2.780	10.0	18.5
10 28	3 23.32	+11 47.2	1.818	2.780	6.3	18.3
11 7	3 15.46	+11 8.1	1.795	2.779	2.9	18.1
11 17	3 7.13	+10 32.8	1.800	2.779	3.6	18.1
11 27	2 59.35	+10 5.4	1.834	2.779	7.2	18.4
12 7	2 53.01	+ 9 49.4	1.894	2.780	10.8	18.6
12 17	2 48.73	+ 9 46.4	1.977	2.780	13.9	18.8

123902 2001 DH_{68} 11 12.4 229°.30 0°.7/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.88	+16 46.7	2.553	3.375	11.1	20.6
10 18	3 29.90	+16 25.2	2.464	3.367	8.4	20.4
10 28	3 23.22	+15 58.3	2.400	3.359	5.2	20.2
11 7	3 15.41	+15 27.8	2.363	3.350	1.9	19.9
11 17	3 7.16	+14 56.3	2.358	3.341	2.0	19.9
11 27	2 59.30	+14 27.0	2.382	3.332	5.4	20.1
12 7	2 52.55	+14 3.2	2.435	3.323	8.6	20.3
12 17	2 47.47	+13 47.3	2.513	3.313	11.4	20.5

71139 1999 XB_{180} 11 12.4 308°.26 3°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.25	+ 9 14.0	2.133	2.968	12.5	18.7
10 18	3 31.19	+ 9 3.2	2.053	2.961	9.5	18.4
10 28	3 24.15	+ 8 52.8	1.996	2.954	6.2	18.2
11 7	3 15.76	+ 8 45.5	1.966	2.948	3.3	18.0
11 17	3 6.86	+ 8 43.9	1.966	2.941	3.9	18.1
11 27	2 58.41	+ 8 50.5	1.994	2.934	7.1	18.3
12 7	2 51.27	+ 9 7.1	2.049	2.928	10.4	18.5
12 17	2 46.08	+ 9 34.1	2.129	2.922	13.4	18.6

53028 1998 WX_5 11 12.4 198°.82 1°.1/11.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.32	+16 42.5	1.540	2.376	16.5	18.1
10 18	3 36.53	+16 24.9	1.464	2.374	12.5	17.8
10 28	3 27.85	+15 59.3	1.410	2.371	7.9	17.6
11 7	3 17.15	+15 28.2	1.381	2.368	2.8	17.3
11 17	3 5.70	+14 55.4	1.380	2.365	2.9	17.3
11 27	2 55.00	+14 26.1	1.407	2.361	8.0	17.6
12 7	2 46.32	+14 5.6	1.460	2.356	12.7	17.8
12 17	2 40.50	+13 57.4	1.535	2.351	16.6	18.1

107357 2001 CB_{28} 11 12.4 94°.71 1°.0/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.62	+20 51.9	2.234	3.049	12.7	19.3
10 18	3 32.16	+21 0.8	2.159	3.056	9.7	19.1
10 28	3 24.71	+21 2.2	2.108	3.063	6.2	18.9
11 7	3 15.95	+20 56.5	2.085	3.070	2.5	18.7
11 17	3 6.74	+20 45.2	2.091	3.076	1.8	18.7
11 27	2 58.06	+20 31.0	2.127	3.083	5.4	18.9
12 7	2 50.77	+20 17.4	2.191	3.090	8.9	19.2
12 17	2 45.48	+20 7.7	2.280	3.096	11.9	19.4

288451 2004 EG_{61} 11 12.4 305°.89 1°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.30	+16 33.1	1.733	2.574	14.7	20.5
10 18	3 31.01	+16 2.6	1.647	2.561	11.1	20.2
10 28	3 24.30	+15 24.0	1.585	2.548	7.0	19.9
11 7	3 15.88	+14 40.3	1.548	2.535	2.6	19.6
11 17	3 6.76	+13 55.8	1.538	2.522	2.9	19.6
11 27	2 58.17	+13 16.0	1.557	2.510	7.4	19.9
12 7	2 51.19	+12 46.0	1.601	2.498	11.7	20.1
12 17	2 46.59	+12 29.1	1.668	2.486	15.4	20.3

271139 2003 SX_{123} 11 12.4 8°.31 4°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.10	+31 36.5	1.998	2.790	14.8	20.2
10 18	3 31.49	+31 49.1	1.919	2.791	12.0	20.0
10 28	3 24.51	+31 45.4	1.861	2.792	8.8	19.8
11 7	3 15.92	+31 24.1	1.829	2.794	5.7	19.6
11 17	3 6.76	+30 45.9	1.823	2.796	4.5	19.5
11 27	2 58.22	+29 55.0	1.846	2.798	6.5	19.7
12 7	2 51.33	+28 57.7	1.895	2.801	9.7	19.9
12 17	2 46.81	+28 0.6	1.969	2.804	12.7	20.1

14871 Pyramus 11 12.4 64°.47 0°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.69	+20 10.0	2.250	3.070	12.5	18.8
10 18	3 30.52	+19 56.0	2.191	3.091	9.4	18.7
10 28	3 23.55	+19 34.5	2.155	3.113	5.9	18.5
11 7	3 15.49	+19 6.9	2.148	3.134	2.2	18.3
11 17	3 7.16	+18 35.9	2.169	3.155	1.7	18.3
11 27	2 59.46	+18 5.0	2.221	3.176	5.3	18.6
12 7	2 53.12	+17 38.0	2.300	3.198	8.6	18.8
12 17	2 48.67	+17 17.7	2.405	3.219	11.4	19.0

519515 2012 FF_{86} 11 12.4 256°.64 0°.3/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.18	+19 28.6	2.424	3.240	11.8	22.2
10 18	3 31.07	+19 25.0	2.329	3.228	9.0	22.0
10 28	3 24.07	+19 14.6	2.258	3.215	5.7	21.8
11 7	3 15.75	+18 58.6	2.215	3.201	2.1	21.5
11 17	3 6.89	+18 38.4	2.202	3.188	1.7	21.4
11 27	2 58.38	+18 17.2	2.219	3.174	5.4	21.7
12 7	2 51.07	+17 58.3	2.265	3.160	8.8	21.9
12 17	2 45.57	+17 44.7	2.336	3.146	11.8	22.0

227965 2007 HC_{22} 11 12.4 90°.04 0°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.34	+17 37.9	2.289	3.110	12.3	20.3
10 18	3 31.85	+17 43.4	2.216	3.118	9.3	20.1
10 28	3 24.47	+17 43.7	2.168	3.126	5.8	19.9
11 7	3 15.86	+17 39.9	2.148	3.134	2.1	19.7
11 17	3 6.83	+17 33.5	2.157	3.142	1.8	19.7
11 27	2 58.33	+17 27.0	2.196	3.150	5.5	19.9
12 7	2 51.15	+17 23.2	2.263	3.158	8.8	20.2
12 17	2 45.89	+17 24.5	2.356	3.166	11.7	20.4

4930 Rephiltim 11 12.4 289°.19 7°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.11	− 2 43.3	2.264	3.091	12.2	16.2
10 18	3 29.38	− 3 36.5	2.196	3.086	9.9	16.0
10 28	3 22.91	− 4 22.1	2.153	3.081	7.9	15.9
11 7	3 15.30	− 4 54.9	2.135	3.076	7.0	15.8
11 17	3 7.31	− 5 10.8	2.145	3.071	7.8	15.8
11 27	2 59.78	− 5 7.1	2.182	3.066	9.7	16.0
12 7	2 53.45	− 4 43.7	2.244	3.062	12.0	16.1
12 17	2 48.88	− 4 2.2	2.327	3.057	14.2	16.3

391070 2005 UG_{107} 11 12.4 324°.21 1°.7/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.99	+15 57.8	1.342	2.198	17.3	20.9
10 18	3 32.18	+15 33.0	1.265	2.186	13.1	20.6
10 28	3 25.34	+14 59.7	1.208	2.174	8.3	20.3
11 7	3 16.33	+14 21.3	1.175	2.162	3.1	19.9
11 17	3 6.41	+13 42.9	1.167	2.151	3.5	19.9
11 27	2 57.16	+13 10.7	1.185	2.141	8.9	20.2
12 7	2 49.97	+12 50.7	1.227	2.131	13.9	20.5
12 17	2 45.74	+12 46.2	1.289	2.123	18.2	20.7

417399 2006 HD_{154} 11 12.4 256°.75 0°.4/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.75	+19 4.2	2.464	3.279	11.7	21.6
10 18	3 31.45	+19 13.1	2.373	3.271	8.9	21.5
10 28	3 24.28	+19 16.5	2.307	3.263	5.7	21.2
11 7	3 15.83	+19 14.8	2.269	3.255	2.1	21.0
11 17	3 6.85	+19 9.2	2.261	3.247	1.7	20.9
11 27	2 58.25	+19 2.0	2.284	3.239	5.2	21.2
12 7	2 50.82	+18 56.0	2.335	3.231	8.6	21.4
12 17	2 45.21	+18 54.0	2.411	3.222	11.5	21.6

520125 2014 AB_{60} 11 12.4 243°.85 3°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.02	+ 9 49.5	1.851	2.688	14.1	21.3
10 18	3 33.56	+ 9 32.5	1.772	2.682	10.7	21.1
10 28	3 25.78	+ 9 15.1	1.717	2.676	6.9	20.8
11 7	3 16.39	+ 9 0.4	1.688	2.670	3.6	20.6
11 17	3 6.39	+ 8 51.9	1.688	2.664	4.3	20.6
11 27	2 56.94	+ 8 52.7	1.716	2.657	7.9	20.9
12 7	2 49.06	+ 9 5.0	1.770	2.651	11.7	21.1
12 17	2 43.47	+ 9 29.6	1.847	2.644	15.0	21.3

137410 1999 TQ_{186} 11 12.4 19°.05 5°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.91	+29 50.5	1.161	1.995	20.8	19.5
10 18	3 34.16	+30 7.6	1.100	1.999	16.7	19.3
10 28	3 26.76	+30 1.4	1.058	2.004	11.9	19.1
11 7	3 16.83	+29 29.7	1.036	2.010	7.2	18.8
11 17	3 6.06	+28 34.5	1.038	2.017	5.4	18.7
11 27	2 56.44	+27 23.8	1.064	2.025	8.8	19.0
12 7	2 49.52	+26 9.1	1.114	2.034	13.5	19.3
12 17	2 46.18	+25 1.0	1.184	2.043	17.8	19.5

444574 2006 TC_{70} 11 12.4 349°.44 13°.3/16.3 17

10 8	3 49.95	+42 22.0	1.549	2.292	20.4	20.1
10 18	3 44.34	+45 3.1	1.472	2.284	18.1	19.9
10 28	3 34.10	+47 26.3	1.415	2.278	15.8	19.7
11 7	3 19.84	+49 18.7	1.380	2.272	14.0	19.6
11 17	3 3.19	+50 29.8	1.367	2.267	13.4	19.5
11 27	2 46.76	+50 56.3	1.378	2.264	14.2	19.6
12 7	2 33.19	+50 44.6	1.411	2.261	16.0	19.7
12 17	2 24.26	+50 7.1	1.464	2.260	18.3	19.8

80276 1999 XL_{32} 11 12.4 196°.52 7°.5/ 7.5 18 R

10 8	3 37.34	− 3 42.0	2.175	2.995	12.8	19.0
10 18	3 31.83	− 4 37.7	2.109	2.994	10.5	18.9
10 28	3 24.46	− 5 24.9	2.067	2.991	8.4	18.7
11 7	3 15.86	− 5 57.9	2.052	2.989	7.5	18.7
11 17	3 6.87	− 6 12.3	2.064	2.985	8.3	18.7
11 27	2 58.40	− 6 5.5	2.103	2.982	10.3	18.8
12 7	2 51.26	− 5 37.7	2.167	2.978	12.6	19.0
12 17	2 46.02	− 4 51.0	2.252	2.974	14.9	19.2

199970 2007 HE_{75} 11 12.4 139°.47 0°.8/11.8 18

10 8	3 34.87	+16 38.6	2.599	3.420	11.0	21.6
10 18	3 29.76	+16 15.5	2.525	3.428	8.2	21.5
10 28	3 23.06	+15 47.4	2.476	3.435	5.1	21.3
11 7	3 15.34	+15 16.3	2.455	3.442	1.8	21.1
11 17	3 7.31	+14 44.7	2.465	3.449	2.0	21.1
11 27	2 59.75	+14 15.9	2.505	3.455	5.2	21.3
12 7	2 53.31	+13 52.7	2.573	3.461	8.2	21.5
12 17	2 48.51	+13 37.3	2.667	3.467	10.8	21.7

494284 2016 RC_{13} 11 12.4 2°.94 4°.7/14.7 16

10 8	3 30.59	+27 51.6	0.961	1.824	21.9	20.6
10 18	3 29.10	+28 5.4	0.904	1.821	17.4	20.3
10 28	3 23.81	+27 54.8	0.863	1.820	12.2	20.0
11 7	3 15.84	+27 18.6	0.842	1.821	6.9	19.7
11 17	3 6.90	+26 20.1	0.842	1.825	4.9	19.6
11 27	2 59.07	+25 8.5	0.864	1.830	9.2	19.9
12 7	2 54.03	+23 56.4	0.908	1.838	14.5	20.2
12 17	2 52.66	+22 54.2	0.971	1.847	19.2	20.5

80823 2000 DP 11 12.4 123°.52 0°.6/12.7 18

10 8	3 41.96	+20 40.7	1.816	2.636	15.0	19.1
10 18	3 35.70	+20 30.1	1.751	2.651	11.4	18.9
10 28	3 27.03	+20 9.7	1.709	2.665	7.2	18.7
11 7	3 16.81	+19 40.7	1.693	2.679	2.7	18.5
11 17	3 6.16	+19 6.1	1.706	2.692	2.1	18.5
11 27	2 56.32	+18 30.5	1.749	2.705	6.5	18.8
12 7	2 48.31	+17 58.9	1.819	2.717	10.5	19.0
12 17	2 42.78	+17 35.5	1.913	2.729	13.8	19.3

520699 2014 QX_{465} 11 12.4 117°.84 4°.7/ 8.6 18

10 8	3 33.26	+ 4 55.5	2.374	3.209	11.4	21.8
10 18	3 28.62	+ 3 54.0	2.310	3.214	8.8	21.7
10 28	3 22.38	+ 2 54.2	2.271	3.220	6.2	21.5
11 7	3 15.12	+ 2 0.9	2.260	3.225	4.7	21.4
11 17	3 7.57	+ 1 18.4	2.277	3.230	5.6	21.5
11 27	3 0.49	+ 0 50.3	2.324	3.235	7.9	21.6
12 7	2 54.58	+ 0 38.1	2.396	3.241	10.4	21.8
12 17	2 50.32	+ 0 42.0	2.491	3.245	12.8	22.0

390541 1999 TV_{215} 11 12.4 23°.74 5°.1/ 9.4 18

10 8	3 33.23	+10 58.9	1.257	2.126	17.4	19.7
10 18	3 29.75	+ 9 32.7	1.208	2.135	13.1	19.5
10 28	3 23.53	+ 8 2.3	1.181	2.145	8.6	19.3
11 7	3 15.59	+ 6 36.6	1.177	2.157	5.3	19.2
11 17	3 7.22	+ 5 24.6	1.199	2.170	6.6	19.3
11 27	2 59.80	+ 4 34.1	1.245	2.183	10.6	19.5
12 7	2 54.45	+ 4 8.5	1.314	2.198	14.7	19.8
12 17	2 51.79	+ 4 7.7	1.402	2.213	18.2	20.1

41212 1999 XO_1 11 12.4 35°.76 0°.3/12.5 18

10 8	3 42.29	+16 39.3	1.368	2.211	17.7	18.4
10 18	3 36.65	+17 16.7	1.311	2.224	13.4	18.2
10 28	3 27.96	+17 49.1	1.276	2.237	8.5	18.0
11 7	3 17.21	+18 16.1	1.264	2.251	3.1	17.7
11 17	3 5.83	+18 38.2	1.280	2.266	2.5	17.7
11 27	2 55.41	+18 57.5	1.322	2.281	7.7	18.0
12 7	2 47.27	+19 17.4	1.390	2.297	12.4	18.4
12 17	2 42.20	+19 41.0	1.480	2.313	16.3	18.6

484895 2009 QE_{64} 11 12.4 58°.67 1°.0/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.23	+21 52.8	1.926	2.749	14.2	21.4
10 18	3 32.03	+21 46.5	1.866	2.766	10.8	21.2
10 28	3 24.68	+21 30.2	1.828	2.783	6.9	21.0
11 7	3 15.97	+21 5.2	1.816	2.801	2.8	20.8
11 17	3 6.90	+20 34.1	1.833	2.819	2.0	20.8
11 27	2 58.55	+20 1.1	1.879	2.837	5.9	21.1
12 7	2 51.84	+19 30.7	1.952	2.855	9.6	21.4
12 17	2 47.33	+19 7.0	2.050	2.873	12.8	21.6

245236 2004 XL_{130} 11 12.4 20°.31 22°.0/ 8.1 18

10 8	3 37.69	+63 53.7	0.901	1.604	34.4	18.4
10 18	3 38.43	+65 32.0	0.870	1.617	32.3	18.3
10 28	3 31.36	+66 11.4	0.845	1.633	29.8	18.2
11 7	3 18.68	+65 38.9	0.828	1.652	27.2	18.1
11 17	3 4.89	+63 47.0	0.822	1.674	24.7	18.0
11 27	2 54.72	+60 41.7	0.830	1.698	22.8	18.0
12 7	2 50.53	+56 44.0	0.854	1.723	22.0	18.1
12 17	2 52.32	+52 20.9	0.897	1.751	22.5	18.3

835 Olivia 11 12.4 29°.17 1°.8/13.7 18

10 8	3 34.95	+24 29.5	2.153	2.966	13.2	16.3
10 18	3 30.29	+24 24.5	2.077	2.970	10.2	16.1
10 28	3 23.62	+24 8.4	2.024	2.974	6.8	15.9
11 7	3 15.62	+23 42.0	1.998	2.979	3.2	15.7
11 17	3 7.17	+23 7.2	2.000	2.984	2.2	15.6
11 27	2 59.28	+22 27.9	2.031	2.989	5.5	15.9
12 7	2 52.81	+21 49.0	2.090	2.995	9.0	16.1
12 17	2 48.36	+21 14.7	2.174	3.000	12.0	16.3

483627 2004 TX_{209} 11 12.4 14°.06 3°.2/14.0 18

10 8	3 38.63	+25 19.6	1.843	2.657	15.1	20.6
10 18	3 33.52	+25 55.7	1.768	2.659	11.8	20.4
10 28	3 25.88	+26 20.8	1.716	2.662	8.1	20.2
11 7	3 16.48	+26 33.4	1.688	2.665	4.5	20.0
11 17	3 6.41	+26 33.4	1.689	2.669	3.4	19.9
11 27	2 56.95	+26 23.5	1.717	2.674	6.5	20.1
12 7	2 49.21	+26 8.3	1.773	2.678	10.2	20.3
12 17	2 43.98	+25 53.0	1.852	2.684	13.5	20.6

332070 2005 SB_{199} 11 12.4 64°.82 2°.1/11.2 18

10 8	3 38.58	+16 15.8	1.391	2.240	17.2	20.9
10 18	3 33.58	+15 22.8	1.338	2.255	12.9	20.7
10 28	3 25.84	+14 21.1	1.307	2.271	8.0	20.4
11 7	3 16.41	+13 15.8	1.300	2.287	3.1	20.2
11 17	3 6.58	+12 13.7	1.321	2.303	3.7	20.3
11 27	2 57.76	+11 21.8	1.368	2.319	8.5	20.6
12 7	2 51.07	+10 45.5	1.440	2.335	12.9	20.9
12 17	2 47.14	+10 27.1	1.533	2.351	16.6	21.2

93693 2000 VC_{23} 11 12.4 127°.89 0°.3/12.6 18 R

10 8	3 39.27	+20 42.4	1.859	2.682	14.6	18.2
10 18	3 33.69	+20 20.9	1.789	2.691	11.1	18.0
10 28	3 25.79	+19 49.1	1.743	2.700	7.0	17.8
11 7	3 16.39	+19 9.0	1.722	2.709	2.6	17.5
11 17	3 6.55	+18 23.9	1.731	2.717	2.0	17.5
11 27	2 57.42	+17 38.9	1.769	2.725	6.4	17.8
12 7	2 50.00	+16 59.2	1.834	2.732	10.4	18.1
12 17	2 44.93	+16 29.1	1.922	2.739	13.7	18.3

254082 2004 JU_3 11 12.4 120°.06 0°.5/12.1 18

10 8	3 37.99	+17 6.1	2.202	3.024	12.6	21.4
10 18	3 32.36	+16 55.9	2.132	3.035	9.5	21.2
10 28	3 24.81	+16 40.1	2.087	3.045	5.9	21.0
11 7	3 16.03	+16 20.4	2.069	3.056	2.1	20.7
11 17	3 6.86	+15 59.2	2.081	3.066	2.0	20.8
11 27	2 58.27	+15 39.8	2.123	3.075	5.8	21.0
12 7	2 51.09	+15 25.2	2.193	3.085	9.2	21.3
12 17	2 45.87	+15 18.1	2.287	3.094	12.2	21.5

309068 2006 US_{360} 11 12.4 279°.89 2°.8/14.6 18

10 8	3 36.31	+29 3.2	1.986	2.787	14.6	20.2
10 18	3 31.58	+28 32.9	1.898	2.782	11.5	20.0
10 28	3 24.55	+27 45.1	1.834	2.777	8.0	19.8
11 7	3 15.99	+26 40.4	1.795	2.772	4.3	19.6
11 17	3 6.89	+25 21.9	1.784	2.766	3.0	19.5
11 27	2 58.43	+23 55.9	1.803	2.761	6.1	19.7
12 7	2 51.59	+22 29.9	1.850	2.756	9.8	19.9
12 17	2 47.05	+21 11.2	1.922	2.751	13.2	20.1

464579 2016 CW_{74} 11 12.4 334°.36 5°.7/15.1 17

10 8	3 38.81	+30 45.7	1.875	2.669	15.6	20.7
10 18	3 34.04	+31 47.9	1.784	2.656	12.7	20.5
10 28	3 26.48	+32 37.2	1.714	2.642	9.6	20.3
11 7	3 16.80	+33 10.0	1.670	2.630	6.7	20.1
11 17	3 6.11	+33 23.8	1.652	2.618	5.7	20.0
11 27	2 55.81	+33 19.8	1.661	2.607	7.7	20.1
12 7	2 47.24	+33 2.6	1.696	2.597	10.9	20.3
12 17	2 41.35	+32 38.8	1.755	2.587	14.2	20.5

454670 2014 QB_{376} 11 12.4 62°.94 2°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.60	+13 15.6	2.208	3.043	12.1	20.8
10 18	3 29.07	+12 26.5	2.135	3.046	9.1	20.6
10 28	3 22.77	+11 33.2	2.087	3.048	5.7	20.4
11 7	3 15.31	+10 39.3	2.067	3.051	2.7	20.2
11 17	3 7.49	+ 9 49.0	2.076	3.053	3.4	20.2
11 27	3 0.18	+ 9 6.9	2.114	3.055	6.7	20.5
12 7	2 54.14	+ 8 36.3	2.179	3.058	9.9	20.7
12 17	2 49.91	+ 8 19.1	2.268	3.060	12.7	20.9

26250 Shaneludwig 11 12.4 106°.35 1°.1/13.1 18

10 8	3 40.31	+22 34.4	1.557	2.385	16.7	18.7
10 18	3 34.93	+22 17.1	1.490	2.393	12.8	18.5
10 28	3 26.78	+21 46.4	1.444	2.401	8.2	18.3
11 7	3 16.80	+21 3.6	1.424	2.409	3.3	18.0
11 17	3 6.26	+20 12.6	1.431	2.417	2.3	18.0
11 27	2 56.60	+19 19.6	1.466	2.424	7.1	18.3
12 7	2 48.99	+18 31.5	1.526	2.431	11.6	18.6
12 17	2 44.16	+17 53.8	1.610	2.438	15.4	18.8

97887 2000 QP_{54} 11 12.4 189°.55 1°.0/11.9 18

10 8	3 41.13	+17 36.1	1.559	2.395	16.3	19.9
10 18	3 35.59	+17 6.6	1.485	2.395	12.4	19.7
10 28	3 27.25	+16 27.5	1.432	2.394	7.8	19.4
11 7	3 17.00	+15 41.8	1.406	2.393	2.8	19.1
11 17	3 6.08	+14 54.1	1.406	2.391	2.9	19.1
11 27	2 55.92	+14 10.4	1.435	2.389	7.9	19.4
12 7	2 47.75	+13 36.6	1.490	2.386	12.5	19.7
12 17	2 42.34	+13 16.6	1.567	2.383	16.4	19.9

58228 1993 FL_{26} 11 12.4 72°.56 3°.1/13.9 18

10 8	3 43.85	+26 1.9	1.252	2.081	19.9	18.9
10 18	3 38.07	+26 5.2	1.201	2.101	15.4	18.7
10 28	3 28.89	+25 49.9	1.169	2.121	10.3	18.4
11 7	3 17.55	+25 16.0	1.160	2.141	5.2	18.2
11 17	3 5.71	+24 26.6	1.177	2.161	3.6	18.2
11 27	2 55.18	+23 29.6	1.220	2.181	8.0	18.5
12 7	2 47.32	+22 34.0	1.288	2.200	12.7	18.8
12 17	2 42.86	+21 47.6	1.378	2.220	16.8	19.1

7764 1991 AB 11 12.4 4°.25 10°.1/ 7.7 18

10 8	3 33.68	− 2 14.8	1.279	2.140	17.6	16.1
10 18	3 30.14	− 3 25.9	1.229	2.139	14.4	15.9
10 28	3 23.86	− 4 24.8	1.199	2.140	11.5	15.8
11 7	3 15.78	− 5 2.2	1.191	2.141	10.1	15.7
11 17	3 7.15	− 5 11.2	1.206	2.144	11.1	15.8
11 27	2 59.36	− 4 48.5	1.244	2.149	13.9	15.9
12 7	2 53.58	− 3 56.0	1.303	2.154	17.0	16.1
12 17	2 50.49	− 2 38.6	1.380	2.161	20.0	16.4

56674 2000 KS_{77} 11 12.4 231°.65 5°.6/ 9.2 18

10 8	3 37.65	+ 6 33.6	1.637	2.484	15.1	19.3
10 18	3 32.71	+ 5 32.3	1.568	2.480	11.7	19.1
10 28	3 25.32	+ 4 31.5	1.522	2.477	8.1	18.8
11 7	3 16.29	+ 3 37.4	1.501	2.474	5.7	18.7
11 17	3 6.70	+ 2 56.4	1.508	2.470	6.7	18.8
11 27	2 57.77	+ 2 33.7	1.541	2.467	10.1	18.9
12 7	2 50.56	+ 2 31.6	1.599	2.463	13.7	19.2
12 17	2 45.78	+ 2 49.9	1.677	2.459	16.9	19.4

520588 2014 OC_{92} 11 12.4 207°.50 0°.7/12.9 18

10 8	3 36.67	+22 24.7	2.385	3.195	12.2	21.9
10 18	3 31.42	+21 58.5	2.296	3.190	9.3	21.7
10 28	3 24.28	+21 22.3	2.231	3.185	6.0	21.5
11 7	3 15.88	+20 37.4	2.194	3.179	2.4	21.3
11 17	3 7.04	+19 46.5	2.187	3.173	1.7	21.2
11 27	2 58.66	+18 54.0	2.211	3.167	5.3	21.5
12 7	2 51.57	+18 4.4	2.263	3.160	8.8	21.7
12 17	2 46.35	+17 22.0	2.341	3.152	11.8	21.9

102466 1999 TW_{232} 11 12.4 22°.68 2°.5/13.6 18

10 8	3 39.15	+23 48.1	1.552	2.379	16.8	20.0
10 18	3 34.24	+24 6.2	1.481	2.382	13.0	19.8
10 28	3 26.48	+24 11.8	1.432	2.386	8.7	19.6
11 7	3 16.75	+24 4.3	1.408	2.390	4.2	19.3
11 17	3 6.31	+23 45.1	1.410	2.394	3.0	19.2
11 27	2 56.64	+23 18.5	1.439	2.399	7.1	19.5
12 7	2 49.00	+22 50.4	1.494	2.404	11.5	19.8
12 17	2 44.19	+22 26.8	1.572	2.409	15.3	20.0

247300 2001 TF_{57} 11 12.4 79°.19 1°.8/11.2 18

10 8	3 37.30	+15 31.2	1.913	2.746	13.8	20.3
10 18	3 31.91	+14 41.6	1.859	2.769	10.3	20.1
10 28	3 24.51	+13 46.2	1.830	2.791	6.4	19.9
11 7	3 15.92	+12 48.9	1.828	2.814	2.6	19.7
11 17	3 7.08	+11 54.5	1.855	2.836	3.1	19.8
11 27	2 59.02	+11 8.1	1.911	2.858	6.8	20.1
12 7	2 52.55	+10 33.4	1.994	2.880	10.3	20.4
12 17	2 48.20	+10 12.5	2.101	2.901	13.3	20.6

219528 2001 QL_{149} 11 12.4 347°.82 21°.4/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.44	+53 54.2	1.091	1.811	28.6	20.2
10 18	3 50.03	+56 49.1	1.035	1.808	26.6	20.1
10 28	3 39.44	+59 9.4	0.990	1.805	24.5	19.9
11 7	3 22.23	+60 36.3	0.959	1.803	22.8	19.8
11 17	3 1.39	+60 53.9	0.942	1.801	21.6	19.7
11 27	2 42.04	+59 59.2	0.942	1.801	21.5	19.7
12 7	2 28.62	+58 6.4	0.957	1.800	22.4	19.8
12 17	2 23.00	+55 38.1	0.988	1.800	24.0	19.9

518058 2015 XW_{275} 11 12.4 76°.11 2°.3/11.1 18

10 8	3 37.07	+11 7.2	2.150	2.982	12.6	20.9
10 18	3 31.70	+10 57.3	2.082	2.990	9.4	20.7
10 28	3 24.43	+10 46.4	2.039	2.998	6.0	20.5
11 7	3 15.92	+10 36.9	2.023	3.006	2.8	20.3
11 17	3 7.03	+10 31.3	2.036	3.014	3.3	20.4
11 27	2 58.70	+10 32.2	2.079	3.023	6.6	20.6
12 7	2 51.73	+10 41.3	2.149	3.031	9.9	20.8
12 17	2 46.70	+10 59.7	2.243	3.039	12.7	21.0

236543 2006 HK_{45} 11 12.4 102°.17 2°.1/11.0 18

10 8	3 37.73	+14 52.8	1.812	2.649	14.3	20.8
10 18	3 32.44	+14 4.0	1.750	2.661	10.7	20.6
10 28	3 24.97	+13 9.2	1.712	2.674	6.7	20.4
11 7	3 16.12	+12 12.4	1.700	2.686	2.8	20.2
11 17	3 6.91	+11 18.7	1.718	2.698	3.4	20.3
11 27	2 58.44	+10 33.5	1.763	2.710	7.3	20.5
12 7	2 51.63	+10 1.0	1.836	2.721	11.1	20.8
12 17	2 47.07	+ 9 43.3	1.931	2.732	14.3	21.0

308786 2006 QV_{22} 11 12.4 19°.93 3°.1/11.0 17

10 8	3 32.67	+13 51.8	1.074	1.951	19.1	19.9
10 18	3 29.67	+13 11.1	1.035	1.967	14.3	19.7
10 28	3 23.62	+12 24.9	1.016	1.985	8.9	19.4
11 7	3 15.68	+11 39.3	1.019	2.005	3.9	19.2
11 17	3 7.32	+11 1.1	1.045	2.027	4.7	19.3
11 27	3 0.12	+10 36.6	1.096	2.050	9.5	19.7
12 7	2 55.24	+10 29.4	1.168	2.075	14.2	20.0
12 17	2 53.30	+10 40.1	1.261	2.102	18.1	20.4

86020 1999 JP_{128} 11 12.4 290°.23 4°.2/10.2 18

10 8	3 37.21	+ 6 53.2	1.944	2.781	13.4	18.5
10 18	3 32.08	+ 6 29.1	1.868	2.776	10.3	18.3
10 28	3 24.82	+ 6 6.8	1.816	2.771	7.0	18.1
11 7	3 16.11	+ 5 50.0	1.790	2.766	4.4	18.0
11 17	3 6.88	+ 5 42.4	1.793	2.762	5.1	18.0
11 27	2 58.16	+ 5 47.0	1.824	2.757	8.2	18.2
12 7	2 50.90	+ 6 5.2	1.881	2.752	11.6	18.4
12 17	2 45.75	+ 6 36.9	1.960	2.747	14.6	18.6

296862 2009 WN_{259} 11 12.4 271°.42 14°.3/21.2 18

10 8	3 47.06	+48 44.8	1.315	2.047	23.9	20.0
10 18	3 42.51	+49 49.5	1.234	2.036	21.5	19.7
10 28	3 32.91	+50 19.6	1.166	2.024	18.7	19.5
11 7	3 19.35	+50 3.3	1.116	2.013	16.1	19.3
11 17	3 4.11	+48 52.6	1.085	2.002	14.5	19.2
11 27	2 50.17	+46 50.2	1.076	1.990	14.6	19.2
12 7	2 40.00	+44 10.9	1.090	1.978	16.6	19.3
12 17	2 34.82	+41 14.9	1.124	1.967	19.7	19.4

119129 2001 OL_{111} 11 12.4 49°.13 1°.7/11.7 18

10 8	3 39.69	+16 12.8	1.231	2.086	18.6	20.0
10 18	3 34.67	+15 43.7	1.186	2.106	13.9	19.8
10 28	3 26.63	+15 6.6	1.162	2.127	8.6	19.6
11 7	3 16.74	+14 25.8	1.161	2.148	3.2	19.3
11 17	3 6.48	+13 46.8	1.186	2.170	3.5	19.4
11 27	2 57.40	+13 15.9	1.237	2.192	8.6	19.8
12 7	2 50.69	+12 57.7	1.312	2.215	13.3	20.1
12 17	2 47.00	+12 54.6	1.408	2.238	17.1	20.4

76315 2000 EP_{139} 11 12.4 215°.48 3°.4/10.5 18

10 8	3 38.86	+ 7 52.0	2.234	3.061	12.3	20.1
10 18	3 33.09	+ 7 34.8	2.151	3.055	9.4	19.9
10 28	3 25.36	+ 7 18.5	2.094	3.049	6.2	19.7
11 7	3 16.30	+ 7 6.1	2.064	3.042	3.7	19.5
11 17	3 6.74	+ 7 0.5	2.064	3.035	4.3	19.6
11 27	2 57.63	+ 7 4.3	2.094	3.027	7.2	19.7
12 7	2 49.82	+ 7 19.0	2.151	3.020	10.4	19.9
12 17	2 43.93	+ 7 45.1	2.232	3.011	13.3	20.1

95580 2002 EA_{153} 11 12.4 158°.58 1°.3/13.5 18

10 8	3 35.63	+24 20.8	2.297	3.106	12.6	19.4
10 18	3 30.67	+23 53.3	2.216	3.108	9.7	19.2
10 28	3 23.82	+23 14.2	2.159	3.110	6.3	19.0
11 7	3 15.73	+22 24.9	2.129	3.112	2.8	18.8
11 17	3 7.25	+21 28.3	2.128	3.114	1.9	18.7
11 27	2 59.30	+20 29.1	2.158	3.115	5.3	19.0
12 7	2 52.71	+19 32.3	2.216	3.117	8.7	19.2
12 17	2 48.04	+18 42.6	2.300	3.118	11.7	19.4

378651 2008 GF_{41} 11 12.4 290°.68 1°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.03	+14 12.3	1.446	2.291	16.9	21.4
10 18	3 35.79	+14 11.1	1.371	2.286	12.8	21.1
10 28	3 27.56	+14 5.8	1.317	2.280	8.1	20.9
11 7	3 17.20	+13 58.5	1.288	2.275	3.1	20.5
11 17	3 5.98	+13 52.3	1.286	2.270	3.3	20.6
11 27	2 55.47	+13 50.9	1.311	2.265	8.4	20.8
12 7	2 47.00	+13 58.1	1.360	2.260	13.2	21.1
12 17	2 41.47	+14 16.1	1.431	2.255	17.3	21.4

519191 2010 PD_{21} 11 12.4 115°.47 5°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.10	+34 58.2	2.321	3.078	14.0	21.4
10 18	3 35.80	+35 36.5	2.247	3.091	11.5	21.2
10 28	3 27.18	+35 59.1	2.195	3.103	8.9	21.1
11 7	3 16.98	+36 3.5	2.169	3.115	6.5	20.9
11 17	3 6.24	+35 49.0	2.170	3.127	5.5	20.9
11 27	2 56.12	+35 18.2	2.201	3.138	6.7	21.0
12 7	2 47.64	+34 36.5	2.259	3.149	9.1	21.2
12 17	2 41.51	+33 50.0	2.343	3.160	11.6	21.4

140104 2001 SW_{132} 11 12.4 2°.06 2°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.48	+25 21.1	1.803	2.620	15.2	19.4
10 18	3 32.69	+25 28.3	1.726	2.620	11.9	19.2
10 28	3 25.39	+25 22.5	1.670	2.620	8.0	19.0
11 7	3 16.38	+25 3.6	1.640	2.620	4.1	18.7
11 17	3 6.73	+24 33.0	1.637	2.620	2.9	18.7
11 27	2 57.72	+23 55.1	1.662	2.621	6.4	18.9
12 7	2 50.44	+23 15.6	1.714	2.622	10.4	19.1
12 17	2 45.65	+22 40.3	1.790	2.623	13.9	19.4

241012 2006 OQ_{14} 11 12.4 96°.04 7°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.44	− 1 40.0	1.950	2.782	13.6	20.7
10 18	3 31.20	− 3 10.6	1.907	2.799	11.0	20.5
10 28	3 24.06	− 4 32.8	1.888	2.817	8.7	20.4
11 7	3 15.79	− 5 39.7	1.895	2.834	7.8	20.4
11 17	3 7.29	− 6 25.7	1.930	2.851	8.7	20.5
11 27	2 59.49	− 6 47.5	1.990	2.868	10.8	20.7
12 7	2 53.17	− 6 45.1	2.075	2.885	13.2	20.9
12 17	2 48.85	− 6 20.9	2.180	2.901	15.3	21.0

265047 2003 QG_{65} 11 12.4 38°.47 3°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.26	+ 8 22.6	1.945	2.783	13.4	19.3
10 18	3 32.00	+ 8 14.7	1.883	2.792	10.2	19.2
10 28	3 24.69	+ 8 8.3	1.844	2.802	6.6	19.0
11 7	3 16.06	+ 8 6.1	1.831	2.812	3.7	18.8
11 17	3 7.03	+ 8 10.9	1.848	2.822	4.2	18.9
11 27	2 58.63	+ 8 24.7	1.892	2.833	7.4	19.1
12 7	2 51.72	+ 8 48.6	1.964	2.843	10.8	19.3
12 17	2 46.89	+ 9 22.9	2.058	2.855	13.7	19.5

294792 2008 CW_{66} 11 12.4 323°.68 5°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.99	+ 6 26.7	1.732	2.582	14.3	20.4
10 18	3 29.89	+ 5 19.1	1.660	2.574	11.0	20.1
10 28	3 23.55	+ 4 11.4	1.611	2.566	7.7	19.9
11 7	3 15.70	+ 3 10.2	1.587	2.559	5.6	19.8
11 17	3 7.31	+ 2 21.7	1.591	2.552	6.7	19.8
11 27	2 59.48	+ 1 51.3	1.621	2.545	9.8	20.0
12 7	2 53.18	+ 1 41.8	1.676	2.538	13.3	20.2
12 17	2 49.10	+ 1 53.2	1.752	2.532	16.3	20.4

83143 2001 QS_{263} 11 12.4 73°.53 4°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.96	+31 49.5	1.903	2.689	15.7	19.5
10 18	3 34.98	+31 50.7	1.846	2.715	12.5	19.3
10 28	3 26.58	+31 34.0	1.810	2.741	9.0	19.2
11 7	3 16.72	+30 58.8	1.800	2.766	5.7	19.0
11 17	3 6.54	+30 7.2	1.818	2.792	4.3	19.0
11 27	2 57.30	+29 4.6	1.864	2.817	6.4	19.2
12 7	2 49.98	+27 58.1	1.938	2.842	9.6	19.4
12 17	2 45.16	+26 54.7	2.037	2.866	12.6	19.7

79031 2073 $T\text{-}_{2}$ 11 12.4 61°.04 2°.3/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.52	+25 23.8	2.287	3.091	12.8	19.1
10 18	3 31.40	+25 33.4	2.212	3.099	10.0	18.9
10 28	3 24.32	+25 32.7	2.161	3.107	6.7	18.7
11 7	3 15.94	+25 21.3	2.137	3.116	3.5	18.6
11 17	3 7.13	+25 0.8	2.142	3.124	2.5	18.5
11 27	2 58.85	+24 34.0	2.176	3.132	5.3	18.7
12 7	2 51.96	+24 5.1	2.238	3.141	8.5	18.9
12 17	2 47.05	+23 38.4	2.326	3.150	11.4	19.1

518374 2017 FS_{53} 11 12.5 85°.95 2°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.61	+11 5.1	2.280	3.116	11.8	21.4
10 18	3 29.03	+10 16.4	2.211	3.121	8.9	21.2
10 28	3 22.73	+ 9 25.1	2.166	3.125	5.7	21.0
11 7	3 15.35	+ 8 35.3	2.149	3.130	3.1	20.9
11 17	3 7.64	+ 7 51.0	2.161	3.134	3.9	20.9
11 27	3 0.42	+ 7 16.2	2.203	3.139	6.8	21.1
12 7	2 54.42	+ 6 53.6	2.271	3.144	9.8	21.3
12 17	2 50.16	+ 6 44.6	2.364	3.148	12.5	21.5

408650 2014 MC_{15} 11 12.5 36°.66 6°.4/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.73	+ 3 7.5	1.606	2.455	15.2	20.7
10 18	3 30.98	+ 2 17.6	1.567	2.477	11.8	20.6
10 28	3 24.04	+ 1 34.1	1.550	2.500	8.4	20.4
11 7	3 15.81	+ 1 2.7	1.558	2.524	6.4	20.4
11 17	3 7.33	+ 0 48.0	1.592	2.548	7.3	20.5
11 27	2 59.71	+ 0 52.6	1.653	2.572	10.0	20.7
12 7	2 53.83	+ 1 16.4	1.738	2.598	13.0	20.9
12 17	2 50.20	+ 1 57.3	1.844	2.623	15.7	21.2

312762 2010 TZ_{157} 11 12.5 31°.72 1°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.36	+16 0.8	1.838	2.675	14.1	21.0
10 18	3 31.56	+15 44.6	1.768	2.679	10.7	20.8
10 28	3 24.54	+15 22.7	1.722	2.683	6.7	20.5
11 7	3 16.05	+14 57.5	1.701	2.688	2.4	20.3
11 17	3 7.07	+14 32.2	1.709	2.693	2.6	20.3
11 27	2 58.71	+14 10.7	1.745	2.698	6.7	20.6
12 7	2 51.95	+13 56.9	1.808	2.703	10.6	20.8
12 17	2 47.41	+13 53.2	1.893	2.709	14.0	21.0

224757 2006 DC_{186} 11 12.5 9°.85 0°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.70	+19 31.3	2.082	2.908	13.1	20.5
10 18	3 30.93	+19 29.3	2.005	2.909	10.0	20.3
10 28	3 24.10	+19 19.9	1.952	2.910	6.3	20.1
11 7	3 15.89	+19 4.3	1.925	2.911	2.4	19.8
11 17	3 7.19	+18 44.6	1.927	2.912	1.8	19.8
11 27	2 59.01	+18 24.1	1.957	2.914	5.8	20.0
12 7	2 52.24	+18 6.6	2.016	2.916	9.5	20.3
12 17	2 47.51	+17 55.2	2.098	2.918	12.6	20.5

378118 2006 UK_{280} 11 12.5 282°.57 1°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.73	+16 31.5	1.538	2.361	17.1	21.0
10 18	3 42.94	+17 40.3	1.438	2.339	13.3	20.7
10 28	3 32.55	+18 50.2	1.360	2.316	8.7	20.4
11 7	3 19.22	+19 58.4	1.308	2.294	3.5	20.0
11 17	3 4.24	+21 1.5	1.286	2.271	2.8	19.9
11 27	2 49.44	+21 58.0	1.293	2.248	8.3	20.2
12 7	2 36.64	+22 49.2	1.327	2.225	13.5	20.4
12 17	2 27.15	+23 38.0	1.384	2.202	18.0	20.7

263890 2009 FX_{13} 11 12.5 139°.61 3°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.33	+ 9 39.1	2.252	3.084	12.1	21.8
10 18	3 31.02	+ 8 44.5	2.187	3.094	9.1	21.7
10 28	3 23.95	+ 7 48.4	2.147	3.103	6.0	21.5
11 7	3 15.79	+ 6 55.0	2.134	3.112	3.6	21.4
11 17	3 7.32	+ 6 8.8	2.152	3.121	4.4	21.4
11 27	2 59.40	+ 5 33.7	2.199	3.129	7.2	21.6
12 7	2 52.79	+ 5 12.2	2.273	3.136	10.2	21.8
12 17	2 47.99	+ 5 5.3	2.370	3.143	12.8	22.0

229731 2007 GN_{42} 11 12.5 69°.54 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.54	+19 47.1	2.188	3.009	12.8	20.9
10 18	3 31.27	+19 34.2	2.128	3.029	9.6	20.8
10 28	3 24.14	+19 13.8	2.092	3.049	6.0	20.6
11 7	3 15.85	+18 47.5	2.083	3.069	2.2	20.4
11 17	3 7.28	+18 17.9	2.103	3.089	1.7	20.4
11 27	2 59.34	+17 48.5	2.153	3.109	5.4	20.7
12 7	2 52.82	+17 23.2	2.231	3.129	8.8	20.9
12 17	2 48.24	+17 4.8	2.334	3.149	11.7	21.1

15233 1987 WU_{4} 11 12.5 1°.61 2°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.44	+14 1.6	1.317	2.175	17.4	17.2
10 18	3 32.45	+13 53.5	1.251	2.173	13.2	16.9
10 28	3 25.49	+13 40.9	1.207	2.172	8.3	16.7
11 7	3 16.48	+13 26.8	1.186	2.173	3.3	16.4
11 17	3 6.73	+13 15.1	1.190	2.174	3.6	16.4
11 27	2 57.78	+13 10.4	1.220	2.176	8.7	16.7
12 7	2 50.93	+13 16.1	1.274	2.179	13.4	17.0
12 17	2 47.00	+13 34.3	1.348	2.183	17.5	17.3

410875 2009 SB_{33} 11 12.5 17°.49 4°.7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.41	+31 29.9	2.196	2.976	14.0	20.9
10 18	3 33.94	+32 7.8	2.114	2.977	11.4	20.7
10 28	3 26.12	+32 32.0	2.053	2.978	8.4	20.5
11 7	3 16.67	+32 40.2	2.019	2.978	5.8	20.4
11 17	3 6.56	+32 31.9	2.012	2.979	4.8	20.3
11 27	2 56.95	+32 9.3	2.034	2.980	6.5	20.4
12 7	2 48.91	+31 37.4	2.083	2.981	9.3	20.6
12 17	2 43.16	+31 1.8	2.157	2.982	12.1	20.8

351818 2006 PP_{7} 11 12.5 181°.73 4°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.32	+31 50.6	2.038	2.820	14.9	20.9
10 18	3 34.74	+32 9.9	1.955	2.821	12.1	20.7
10 28	3 26.66	+32 13.1	1.894	2.821	8.9	20.5
11 7	3 16.86	+31 58.4	1.858	2.821	5.9	20.4
11 17	3 6.42	+31 26.0	1.850	2.821	4.7	20.3
11 27	2 56.59	+30 39.4	1.870	2.820	6.7	20.4
12 7	2 48.48	+29 45.0	1.918	2.819	9.8	20.6
12 17	2 42.84	+28 49.6	1.991	2.818	12.9	20.8

46026 2001 DJ_{20} 11 12.5 166°.29 6°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.83	+ 0 9.1	2.240	3.064	12.4	19.8
10 18	3 32.16	− 0 42.9	2.176	3.069	9.8	19.7
10 28	3 24.69	− 1 29.1	2.137	3.073	7.4	19.5
11 7	3 16.08	− 2 4.6	2.124	3.076	6.2	19.5
11 17	3 7.11	− 2 25.3	2.141	3.079	6.9	19.5
11 27	2 58.68	− 2 28.4	2.185	3.082	9.1	19.7
12 7	2 51.56	− 2 13.3	2.255	3.083	11.6	19.8
12 17	2 46.29	− 1 41.4	2.348	3.085	13.9	20.0

20677 1999 VT_{7} 11 12.5 32°.15 2°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.15	+10 56.8	1.477	2.319	16.7	16.8
10 18	3 37.16	+11 26.7	1.414	2.326	12.7	16.5
10 28	3 28.29	+11 58.0	1.373	2.334	8.0	16.3
11 7	3 17.46	+12 31.5	1.357	2.343	3.3	16.0
11 17	3 5.98	+13 8.0	1.369	2.352	3.4	16.1
11 27	2 55.33	+13 48.4	1.409	2.362	8.1	16.4
12 7	2 46.76	+14 33.7	1.474	2.372	12.5	16.7
12 17	2 41.08	+15 24.6	1.563	2.382	16.2	16.9

448590 2010 TH_{82} 11 12.5 31°.63 3°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.63	+14 59.9	1.652	2.501	14.9	20.2
10 18	3 29.58	+13 31.6	1.592	2.510	11.1	20.0
10 28	3 23.29	+11 54.9	1.555	2.519	7.0	19.8
11 7	3 15.61	+10 16.7	1.545	2.528	3.4	19.6
11 17	3 7.56	+ 8 44.6	1.562	2.539	4.5	19.7
11 27	3 0.26	+ 7 26.5	1.607	2.549	8.4	19.9
12 7	2 54.64	+ 6 27.6	1.678	2.560	12.2	20.2
12 17	2 51.27	+ 5 50.2	1.771	2.572	15.4	20.4

489447 2006 YT_{28} 11 12.5 336°.14 2°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.31	+22 33.8	1.170	2.024	19.4	21.6
10 18	3 33.10	+22 51.3	1.094	2.011	15.2	21.3
10 28	3 26.35	+22 54.9	1.038	1.999	10.1	20.9
11 7	3 16.94	+22 44.0	1.003	1.987	4.6	20.6
11 17	3 6.34	+22 20.0	0.992	1.977	3.2	20.5
11 27	2 56.48	+21 48.5	1.005	1.968	8.7	20.8
12 7	2 49.05	+21 17.6	1.041	1.961	14.2	21.1
12 17	2 45.13	+20 54.3	1.097	1.954	19.0	21.3

395287 2011 AV_{73} 11 12.5 303°.24 0°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.55	+17 48.4	1.338	2.186	17.8	21.3
10 18	3 35.14	+17 51.3	1.256	2.171	13.7	21.0
10 28	3 27.44	+17 45.9	1.194	2.157	8.7	20.6
11 7	3 17.30	+17 33.3	1.155	2.143	3.2	20.3
11 17	3 6.04	+17 16.2	1.143	2.128	2.7	20.2
11 27	2 55.38	+16 59.4	1.156	2.115	8.5	20.5
12 7	2 46.88	+16 48.6	1.193	2.102	13.8	20.8
12 17	2 41.58	+16 48.2	1.251	2.089	18.4	21.0

138743 2000 SC_{225} 11 12.5 15°.22 0°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.20	+20 58.8	1.867	2.695	14.3	20.0
10 18	3 31.53	+20 49.8	1.793	2.696	10.9	19.8
10 28	3 24.59	+20 31.0	1.741	2.698	7.0	19.6
11 7	3 16.12	+20 3.8	1.715	2.700	2.7	19.3
11 17	3 7.11	+19 30.9	1.717	2.703	2.0	19.3
11 27	2 58.71	+18 56.6	1.747	2.705	6.2	19.6
12 7	2 51.91	+18 25.8	1.804	2.708	10.2	19.8
12 17	2 47.38	+18 2.6	1.885	2.711	13.6	20.0

76999 2001 CN_{2} 11 12.5 326°.60 1°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.41	+22 30.7	1.251	2.097	18.9	19.3
10 18	3 34.46	+22 39.4	1.175	2.088	14.7	19.0
10 28	3 27.09	+22 34.1	1.119	2.079	9.7	18.7
11 7	3 17.19	+22 14.6	1.085	2.070	4.3	18.3
11 17	3 6.21	+21 42.9	1.076	2.062	3.0	18.2
11 27	2 56.00	+21 5.1	1.093	2.055	8.4	18.5
12 7	2 48.15	+20 29.0	1.132	2.048	13.7	18.8
12 17	2 43.67	+20 1.7	1.193	2.042	18.3	19.1

26625 2000 GY_{92} 11 12.5 305°.04 2°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.57	+11 21.4	2.173	3.011	12.2	17.7
10 18	3 29.23	+10 42.3	2.091	3.002	9.2	17.5
10 28	3 23.03	+10 0.4	2.032	2.992	5.9	17.3
11 7	3 15.56	+ 9 19.3	2.001	2.983	3.1	17.1
11 17	3 7.61	+ 8 42.8	1.999	2.974	3.8	17.1
11 27	3 0.09	+ 8 15.0	2.025	2.965	7.0	17.3
12 7	2 53.81	+ 7 59.0	2.078	2.956	10.3	17.5
12 17	2 49.36	+ 7 56.2	2.154	2.947	13.3	17.7

224059 2005 NK_{2} 11 12.5 71°.27 0°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.63	+18 22.8	1.391	2.232	17.6	21.4
10 18	3 35.91	+17 56.0	1.342	2.254	13.2	21.2
10 28	3 27.36	+17 19.4	1.314	2.276	8.2	21.0
11 7	3 17.08	+16 36.3	1.311	2.298	2.9	20.7
11 17	3 6.45	+15 51.5	1.335	2.321	2.7	20.7
11 27	2 56.94	+15 11.3	1.387	2.342	7.8	21.1
12 7	2 49.67	+14 41.2	1.463	2.364	12.3	21.4
12 17	2 45.27	+14 24.5	1.561	2.386	16.0	21.7

3898 Curlewis 11 12.5 6°.49 0°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.02	+18 36.9	1.783	2.622	14.4	16.8
10 18	3 29.95	+18 19.0	1.711	2.622	10.9	16.5
10 28	3 23.62	+17 52.7	1.662	2.624	6.9	16.3
11 7	3 15.79	+17 20.4	1.639	2.626	2.4	16.0
11 17	3 7.44	+16 45.3	1.643	2.629	2.2	16.0
11 27	2 59.70	+16 12.3	1.675	2.632	6.6	16.3
12 7	2 53.55	+15 45.7	1.733	2.636	10.6	16.6
12 17	2 49.64	+15 29.1	1.815	2.641	14.0	16.8

451992 2014 OX_{14} 11 12.5 144°.51 1°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.99	+15 56.3	2.080	2.911	12.9	21.9
10 18	3 31.08	+15 28.5	2.004	2.912	9.7	21.7
10 28	3 24.18	+14 54.9	1.953	2.913	6.1	21.5
11 7	3 15.96	+14 18.1	1.928	2.915	2.3	21.2
11 17	3 7.30	+13 41.5	1.933	2.916	2.6	21.2
11 27	2 59.18	+13 9.4	1.966	2.917	6.3	21.5
12 7	2 52.45	+12 45.4	2.027	2.918	9.9	21.7
12 17	2 47.72	+12 32.0	2.112	2.919	13.0	21.9

513416 2008 SN_{277} 11 12.5 198°.65 2°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.06	+12 53.3	1.895	2.726	14.0	21.7
10 18	3 34.36	+12 36.9	1.817	2.725	10.6	21.4
10 28	3 26.36	+12 17.4	1.762	2.722	6.7	21.2
11 7	3 16.78	+11 57.4	1.735	2.720	2.9	21.0
11 17	3 6.62	+11 40.0	1.736	2.717	3.3	21.0
11 27	2 57.03	+11 28.9	1.766	2.713	7.3	21.2
12 7	2 49.02	+11 27.0	1.823	2.709	11.1	21.5
12 17	2 43.30	+11 36.1	1.904	2.705	14.5	21.7

147696 2005 GB_{37} 11 12.5 57°.87 7°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.49	− 2 43.3	1.219	2.046	20.4	18.9
10 18	3 45.44	− 2 12.9	1.184	2.078	16.1	18.7
10 28	3 33.19	− 1 25.3	1.169	2.110	11.6	18.6
11 7	3 19.10	− 0 17.8	1.178	2.142	8.3	18.5
11 17	3 4.90	+ 1 8.9	1.215	2.175	8.4	18.6
11 27	2 52.33	+ 2 51.1	1.280	2.207	11.6	18.9
12 7	2 42.61	+ 4 43.3	1.370	2.239	15.2	19.2
12 17	2 36.35	+ 6 40.4	1.482	2.271	18.5	19.5

193433 2000 WE_{113} 11 12.5 11°.69 1°.1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.85	+20 51.0	1.495	2.332	16.8	19.3
10 18	3 34.10	+20 58.7	1.425	2.333	12.9	19.1
10 28	3 26.49	+20 56.0	1.376	2.335	8.3	18.8
11 7	3 16.88	+20 43.3	1.351	2.336	3.4	18.5
11 17	3 6.55	+20 22.9	1.353	2.339	2.4	18.5
11 27	2 56.98	+19 59.2	1.382	2.341	7.3	18.8
12 7	2 49.43	+19 38.0	1.436	2.344	11.9	19.1
12 17	2 44.73	+19 23.9	1.512	2.348	15.8	19.3

265192 2004 BL_{29} 11 12.5 299°.02 0°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.91	+20 38.3	1.381	2.224	17.6	20.6
10 18	3 34.67	+20 38.5	1.294	2.206	13.7	20.3
10 28	3 27.19	+20 27.0	1.227	2.188	8.9	19.9
11 7	3 17.25	+20 4.3	1.184	2.170	3.5	19.6
11 17	3 6.17	+19 32.8	1.166	2.152	2.6	19.5
11 27	2 55.63	+18 57.9	1.174	2.135	8.2	19.8
12 7	2 47.20	+18 26.8	1.207	2.118	13.5	20.0
12 17	2 41.92	+18 5.4	1.261	2.101	18.1	20.3

161958 2007 HV_{46} 11 12.5 26°.41 0°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.31	+15 12.2	1.718	2.551	15.2	18.6
10 18	3 35.47	+15 55.1	1.655	2.562	11.5	18.4
10 28	3 27.11	+16 35.6	1.614	2.574	7.2	18.2
11 7	3 17.05	+17 13.2	1.600	2.587	2.6	18.0
11 17	3 6.43	+17 47.9	1.615	2.601	2.2	18.0
11 27	2 56.52	+18 20.7	1.658	2.615	6.7	18.3
12 7	2 48.42	+18 53.5	1.729	2.630	10.7	18.6
12 17	2 42.86	+19 28.3	1.823	2.645	14.1	18.8

68891 2002 JS_{79} 11 12.5 134°.00 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.09	+19 44.5	2.488	3.303	11.6	20.2
10 18	3 30.84	+19 29.0	2.413	3.311	8.8	20.0
10 28	3 23.89	+19 6.5	2.363	3.319	5.5	19.8
11 7	3 15.84	+18 38.4	2.341	3.327	2.0	19.6
11 17	3 7.44	+18 7.0	2.348	3.334	1.6	19.6
11 27	2 59.53	+17 35.7	2.387	3.341	5.1	19.8
12 7	2 52.84	+17 7.9	2.453	3.348	8.3	20.0
12 17	2 47.89	+16 46.5	2.546	3.354	11.0	20.2

406745 2008 HU_{66} 11 12.5 81°.18 0°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.23	+16 29.8	2.327	3.146	12.1	21.2
10 18	3 32.31	+16 11.2	2.275	3.177	9.0	21.0
10 28	3 24.70	+15 47.8	2.248	3.206	5.6	20.8
11 7	3 16.08	+15 21.6	2.249	3.236	2.0	20.6
11 17	3 7.28	+14 55.2	2.281	3.265	2.0	20.7
11 27	2 59.14	+14 31.8	2.343	3.293	5.5	21.0
12 7	2 52.37	+14 14.3	2.433	3.322	8.6	21.2
12 17	2 47.44	+14 4.8	2.548	3.349	11.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
351406 2005 *FS*		11 12.5 237°.10	1°.1/11.7 18			
	h m	° ′			°	m
10 8	3 37.33	+16 57.5	2.126	2.952	12.9	21.5
10 18	3 32.19	+16 21.6	2.035	2.940	9.8	21.3
10 28	3 24.96	+15 38.2	1.968	2.928	6.1	21.1
11 7	3 16.29	+14 49.8	1.929	2.915	2.3	20.8
11 17	3 7.05	+14 0.1	1.919	2.902	2.5	20.8
11 27	2 58.26	+13 14.0	1.939	2.889	6.5	21.0
12 7	2 50.83	+12 35.9	1.986	2.875	10.2	21.2
12 17	2 45.44	+12 9.4	2.058	2.860	13.5	21.4
34150 2000 QK_{18}		11 12.5 139°.71	1°.8/11.5 18			
10 8	3 41.92	+16 12.7	1.564	2.400	16.2	18.6
10 18	3 36.04	+15 31.7	1.500	2.410	12.2	18.4
10 28	3 27.49	+14 42.5	1.457	2.419	7.6	18.2
11 7	3 17.20	+13 49.0	1.441	2.427	2.9	17.9
11 17	3 6.40	+12 56.4	1.453	2.435	3.3	18.0
11 27	2 56.48	+12 11.1	1.492	2.442	8.0	18.3
12 7	2 48.56	+11 38.2	1.558	2.449	12.3	18.5
12 17	2 43.35	+11 20.7	1.646	2.455	16.0	18.8
41903 2000 WO_{128}		11 12.5 169°.39	0°.8/12.1 18			
10 8	3 43.04	+16 30.7	1.645	2.475	15.8	19.9
10 18	3 36.95	+16 23.0	1.572	2.478	12.0	19.7
10 28	3 28.14	+16 8.7	1.521	2.481	7.6	19.4
11 7	3 17.47	+15 49.7	1.496	2.483	2.7	19.1
11 17	3 6.14	+15 28.9	1.500	2.485	2.6	19.1
11 27	2 55.56	+15 10.6	1.532	2.486	7.4	19.4
12 7	2 46.89	+14 59.0	1.591	2.487	11.8	19.7
12 17	2 40.94	+14 57.3	1.673	2.487	15.6	19.9
426786 2013 TC_{125}		11 12.5 17°.48	3°.6/15.1 17			
10 8	3 35.77	+29 32.9	2.393	3.182	12.8	21.1
10 18	3 30.94	+29 54.5	2.313	3.185	10.2	20.9
10 28	3 24.14	+30 3.9	2.255	3.188	7.3	20.7
11 7	3 15.99	+30 0.2	2.224	3.192	4.6	20.6
11 17	3 7.35	+29 43.8	2.221	3.195	3.7	20.5
11 27	2 59.18	+29 17.3	2.248	3.200	5.6	20.6
12 7	2 52.36	+28 45.0	2.302	3.204	8.4	20.8
12 17	2 47.49	+28 11.6	2.382	3.209	11.1	21.0
263096 2007 TO_{161}		11 12.5 35°.57	1°.1/13.8 18			
10 8	3 28.66	+24 16.9	3.916	4.714	8.0	20.2
10 18	3 24.82	+24 6.2	3.836	4.721	6.2	20.1
10 28	3 19.94	+23 49.2	3.781	4.728	4.1	19.9
11 7	3 14.41	+23 26.6	3.755	4.736	1.9	19.8
11 17	3 8.67	+22 59.8	3.759	4.743	1.3	19.7
11 27	3 3.21	+22 30.7	3.794	4.751	3.3	19.9
12 7	2 58.45	+22 1.5	3.859	4.758	5.4	20.1
12 17	2 54.76	+21 34.5	3.951	4.766	7.3	20.2
334998 2004 GB_{8}		11 12.5 209°.09	1°.2/13.2 18			
10 8	3 41.09	+22 32.7	1.842	2.658	15.0	22.1
10 18	3 35.40	+22 24.8	1.757	2.654	11.6	21.9
10 28	3 27.16	+22 5.3	1.695	2.649	7.5	21.6
11 7	3 17.13	+21 34.9	1.659	2.643	3.2	21.3
11 17	3 6.42	+20 55.8	1.651	2.637	2.2	21.2
11 27	2 56.30	+20 12.8	1.673	2.630	6.5	21.5
12 7	2 47.91	+19 31.7	1.722	2.623	10.7	21.8
12 17	2 42.03	+18 57.8	1.795	2.615	14.4	22.0
245368 2005 GW_{18}		11 12.5 30°.42	1°.1/11.9 18			
10 8	3 36.61	+17 14.2	1.569	2.413	15.8	21.1
10 18	3 32.11	+16 46.8	1.504	2.419	11.9	20.8
10 28	3 25.07	+16 11.1	1.462	2.425	7.4	20.6
11 7	3 16.35	+15 30.2	1.444	2.431	2.7	20.3
11 17	3 7.11	+14 48.6	1.453	2.438	2.8	20.3
11 27	2 58.63	+14 11.9	1.490	2.445	7.5	20.6
12 7	2 52.00	+13 45.0	1.552	2.452	11.8	20.9
12 17	2 47.91	+13 31.1	1.636	2.460	15.4	21.2
15296 Tantetruus		11 12.5 244°.76	1°.3/11.8 18			
10 8	3 39.47	+16 12.0	1.748	2.582	14.9	19.6
10 18	3 34.25	+15 47.3	1.663	2.572	11.3	19.4
10 28	3 26.48	+15 15.3	1.600	2.561	7.1	19.1
11 7	3 16.91	+14 38.5	1.563	2.549	2.7	18.8
11 17	3 6.60	+14 0.9	1.554	2.538	2.9	18.8
11 27	2 56.83	+13 27.4	1.574	2.526	7.5	19.0
12 7	2 48.74	+13 3.0	1.620	2.513	11.8	19.3
12 17	2 43.13	+12 50.9	1.689	2.500	15.6	19.5
44031 1998 *CO*		11 12.5 233°.44	5°.1/ 9.7 18			
10 8	3 39.35	+ 8 24.9	1.566	2.412	15.7	19.4
10 18	3 34.24	+ 7 25.3	1.491	2.405	12.1	19.2
10 28	3 26.49	+ 6 23.8	1.440	2.397	8.2	19.0
11 7	3 16.91	+ 5 26.7	1.413	2.390	5.3	18.8
11 17	3 6.63	+ 4 40.6	1.414	2.382	6.3	18.8
11 27	2 57.01	+ 4 11.5	1.441	2.373	10.1	19.0
12 7	2 49.22	+ 4 2.7	1.493	2.364	14.1	19.2
12 17	2 44.02	+ 4 14.6	1.566	2.355	17.6	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
136659 1995 OA_{8}		11 12.5 1°.39	2°.8/14.0 18			
	h m	° ′			°	m
10 8	3 37.19	+26 34.5	1.254	2.092	19.3	19.6
10 18	3 33.41	+26 17.8	1.185	2.091	15.1	19.3
10 28	3 26.31	+25 40.2	1.136	2.090	10.2	19.0
11 7	3 16.90	+24 42.2	1.108	2.090	5.0	18.7
11 17	3 6.68	+23 28.1	1.106	2.091	3.3	18.6
11 27	2 57.42	+22 6.9	1.130	2.092	8.1	18.9
12 7	2 50.57	+20 49.2	1.177	2.094	13.1	19.2
12 17	2 46.99	+19 44.0	1.245	2.097	17.6	19.5
257276 2009 HG_{2}		11 12.5 234°.28	3°.2/10.8 17			
10 8	3 39.78	+13 21.0	1.437	2.285	16.8	20.8
10 18	3 34.82	+12 31.4	1.364	2.280	12.7	20.5
10 28	3 26.97	+11 35.0	1.312	2.275	8.1	20.2
11 7	3 17.11	+10 36.9	1.285	2.269	3.8	20.0
11 17	3 6.51	+ 9 43.6	1.285	2.264	4.7	20.0
11 27	2 56.65	+ 9 2.0	1.312	2.258	9.3	20.3
12 7	2 48.81	+ 8 37.2	1.363	2.252	13.9	20.5
12 17	2 43.82	+ 8 31.6	1.435	2.245	17.9	20.8
511873 2015 GF_{29}		11 12.5 137°.01	0°.5/12.2 17			
10 8	3 41.56	+18 4.4	1.897	2.719	14.4	22.6
10 18	3 35.38	+17 43.5	1.829	2.732	10.8	22.4
10 28	3 26.93	+17 14.9	1.785	2.744	6.8	22.2
11 7	3 17.00	+16 40.6	1.768	2.755	2.4	21.9
11 17	3 6.65	+16 4.1	1.781	2.766	2.2	21.9
11 27	2 57.04	+15 29.8	1.823	2.776	6.5	22.2
12 7	2 49.12	+15 2.1	1.892	2.785	10.4	22.5
12 17	2 43.55	+14 44.3	1.985	2.794	13.7	22.7
22372 1993 TD_{28}		11 12.5 87°.33	1°.5/11.4 18			
10 8	3 34.92	+15 3.4	2.210	3.041	12.3	19.1
10 18	3 30.14	+14 30.4	2.138	3.046	9.2	18.9
10 28	3 23.55	+13 52.4	2.091	3.052	5.7	18.7
11 7	3 15.78	+13 12.3	2.072	3.057	2.3	18.5
11 17	3 7.64	+12 33.7	2.081	3.063	2.7	18.5
11 27	3 0.03	+12 0.5	2.120	3.068	6.1	18.7
12 7	2 53.71	+11 36.0	2.187	3.074	9.5	19.0
12 17	2 49.25	+11 22.4	2.278	3.079	12.4	19.2
31453 1999 CY_{12}		11 12.5 114°.32	3°.2/10.1 18			
10 8	3 36.45	+10 27.9	2.196	3.028	12.3	18.9
10 18	3 31.16	+ 9 34.0	2.135	3.043	9.3	18.7
10 28	3 24.10	+ 8 38.3	2.100	3.057	6.0	18.5
11 7	3 15.95	+ 7 44.9	2.092	3.071	3.4	18.4
11 17	3 7.52	+ 6 58.3	2.114	3.085	4.2	18.4
11 27	2 59.70	+ 6 22.4	2.165	3.098	7.1	18.7
12 7	2 53.21	+ 5 59.9	2.244	3.111	10.1	18.9
12 17	2 48.58	+ 5 51.8	2.346	3.124	12.8	19.1
269557 2009 WW_{33}		11 12.5 322°.85	0°.7/12.1 17			
10 8	3 33.92	+17 32.3	1.995	2.829	13.3	21.0
10 18	3 29.79	+17 11.6	1.907	2.817	10.1	20.8
10 28	3 23.56	+16 43.6	1.843	2.804	6.3	20.6
11 7	3 15.85	+16 10.6	1.805	2.792	2.3	20.3
11 17	3 7.55	+15 35.6	1.796	2.781	2.2	20.2
11 27	2 59.69	+15 3.1	1.815	2.769	6.4	20.5
12 7	2 53.21	+14 37.1	1.860	2.758	10.3	20.7
12 17	2 48.79	+14 21.0	1.930	2.748	13.6	20.9
233105 2005 SO_{103}		11 12.5 44°.90	5°.0/ 9.6 18			
10 8	3 36.49	+11 14.5	1.285	2.147	17.5	20.0
10 18	3 32.22	+ 9 48.9	1.236	2.159	13.2	19.8
10 28	3 25.18	+ 8 18.9	1.209	2.172	8.6	19.6
11 7	3 16.40	+ 6 53.1	1.205	2.185	5.2	19.4
11 17	3 7.20	+ 5 40.3	1.227	2.199	6.4	19.5
11 27	2 59.01	+ 4 48.2	1.275	2.213	10.5	19.8
12 7	2 52.94	+ 4 20.5	1.346	2.228	14.6	20.1
12 17	2 49.63	+ 4 17.3	1.437	2.242	18.1	20.4
352928 2009 AK_{2}		11 12.5 27°.11	0°.7/12.2 18			
10 8	3 35.49	+18 50.0	1.106	1.971	19.5	19.5
10 18	3 31.90	+18 19.9	1.064	1.988	14.7	19.2
10 28	3 25.13	+17 37.8	1.041	2.007	9.1	19.0
11 7	3 16.40	+16 48.2	1.040	2.028	3.2	18.7
11 17	3 7.22	+15 57.4	1.064	2.049	3.0	18.8
11 27	2 59.26	+15 13.2	1.112	2.072	8.6	19.2
12 7	2 53.72	+14 41.9	1.183	2.096	13.5	19.6
12 17	2 51.25	+14 26.6	1.274	2.121	17.6	19.9
9827 1958 TL_{1}		11 12.5 28°.62	4°.2/ 9.1 18			
10 8	3 32.39	+11 15.7	1.832	2.681	13.7	16.7
10 18	3 28.46	+ 9 38.8	1.774	2.691	10.3	16.6
10 28	3 22.55	+ 7 57.6	1.741	2.701	6.7	16.4
11 7	3 15.43	+ 6 19.3	1.734	2.712	4.3	16.2
11 17	3 7.99	+ 4 51.0	1.757	2.723	5.4	16.3
11 27	3 1.21	+ 3 39.5	1.807	2.735	8.6	16.6
12 7	2 55.90	+ 2 48.5	1.882	2.748	11.9	16.8
12 17	2 52.59	+ 2 19.3	1.980	2.761	14.7	17.0

482752 2013 FW_9 11 12.5 329°.98 5°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.38	+ 8 38.1	1.474	2.335	15.7	20.7
10 18	3 29.17	+ 7 16.7	1.398	2.320	12.1	20.5
10 28	3 23.41	+ 5 51.1	1.344	2.305	8.3	20.2
11 7	3 15.85	+ 4 29.4	1.315	2.290	5.8	20.1
11 17	3 7.58	+ 3 20.0	1.311	2.277	7.1	20.1
11 27	2 59.88	+ 2 30.7	1.333	2.264	10.8	20.3
12 7	2 53.91	+ 2 5.9	1.378	2.252	14.8	20.5
12 17	2 50.44	+ 2 6.4	1.443	2.241	18.4	20.7

253415 2003 QP_{36} 11 12.5 66°.80 2°.7/11.3 15

10 8	3 41.09	+14 4.1	1.250	2.104	18.4	20.7
10 18	3 35.85	+13 28.4	1.200	2.119	13.8	20.5
10 28	3 27.54	+12 46.8	1.169	2.133	8.7	20.3
11 7	3 17.27	+12 4.0	1.162	2.148	3.7	20.0
11 17	3 6.52	+11 26.1	1.182	2.163	4.3	20.1
11 27	2 56.89	+10 59.0	1.227	2.178	9.2	20.4
12 7	2 49.61	+10 47.0	1.296	2.193	13.8	20.8
12 17	2 45.39	+10 51.7	1.385	2.208	17.7	21.1

74800 1999 SK_{18} 11 12.5 81°.28 3°.5/10.9 18

10 8	3 43.82	+10 49.5	1.393	2.237	17.4	19.5
10 18	3 37.46	+10 21.6	1.347	2.261	13.1	19.3
10 28	3 28.34	+ 9 52.5	1.323	2.284	8.3	19.1
11 7	3 17.52	+ 9 26.5	1.324	2.307	4.2	18.9
11 17	3 6.38	+ 9 8.2	1.352	2.330	4.8	19.0
11 27	2 56.37	+ 9 1.5	1.408	2.352	9.0	19.3
12 7	2 48.59	+ 9 8.8	1.488	2.374	13.1	19.6
12 17	2 43.68	+ 9 30.4	1.589	2.396	16.6	19.9

27751 1991 FQ_2 11 12.5 192°.67 1°.7/13.6 18

10 8	3 39.05	+23 58.4	2.259	3.063	12.9	19.5
10 18	3 33.44	+23 58.7	2.173	3.062	10.0	19.3
10 28	3 25.75	+23 49.0	2.111	3.060	6.7	19.1
11 7	3 16.64	+23 29.2	2.076	3.058	3.1	18.8
11 17	3 7.00	+23 0.9	2.071	3.055	2.2	18.8
11 27	2 57.85	+22 27.5	2.096	3.052	5.5	19.0
12 7	2 50.10	+21 53.5	2.149	3.049	9.0	19.2
12 17	2 44.41	+21 23.3	2.227	3.045	12.1	19.4

227056 2005 EJ_{45} 11 12.5 303°.33 0°.3/12.3 17

10 8	3 34.30	+18 28.4	2.181	3.009	12.5	20.7
10 18	3 29.94	+18 8.6	2.089	2.994	9.5	20.5
10 28	3 23.61	+17 41.3	2.020	2.980	6.0	20.3
11 7	3 15.89	+17 8.4	1.979	2.966	2.2	20.0
11 17	3 7.61	+16 32.7	1.966	2.952	1.9	20.0
11 27	2 59.72	+15 58.0	1.983	2.938	5.9	20.2
12 7	2 53.10	+15 28.6	2.027	2.924	9.6	20.4
12 17	2 48.41	+15 7.8	2.095	2.911	12.8	20.6

329132 2011 CM_{75} 11 12.5 185°.75 4°.3/ 8.6 18

10 8	3 32.98	+ 4 41.2	2.734	3.563	10.3	21.1
10 18	3 28.36	+ 3 42.9	2.661	3.563	7.9	20.9
10 28	3 22.32	+ 2 46.0	2.615	3.562	5.7	20.8
11 7	3 15.35	+ 1 54.6	2.597	3.561	4.3	20.7
11 17	3 8.09	+ 1 12.6	2.609	3.560	5.1	20.8
11 27	3 1.21	+ 0 43.1	2.650	3.559	7.2	20.9
12 7	2 55.32	+ 0 27.8	2.717	3.557	9.5	21.1
12 17	2 50.87	+ 0 27.0	2.809	3.556	11.6	21.2

333826 2012 HF_{78} 11 12.5 192°.99 1°.1/13.2 17

10 8	3 37.12	+21 34.2	2.483	3.292	11.8	21.1
10 18	3 31.80	+21 43.5	2.399	3.292	9.0	20.9
10 28	3 24.64	+21 45.6	2.339	3.291	5.9	20.7
11 7	3 16.24	+21 40.7	2.307	3.290	2.5	20.5
11 17	3 7.36	+21 30.0	2.304	3.289	1.8	20.4
11 27	2 58.89	+21 15.9	2.332	3.288	5.0	20.6
12 7	2 51.64	+21 1.6	2.389	3.287	8.3	20.8
12 17	2 46.20	+20 50.3	2.471	3.286	11.1	21.0

182381 2001 QL_{232} 11 12.5 54°.71 3°.6/10.7 18

10 8	3 39.51	+12 48.1	1.276	2.132	18.0	20.1
10 18	3 34.41	+11 53.3	1.234	2.154	13.4	19.9
10 28	3 26.50	+10 54.3	1.212	2.176	8.5	19.7
11 7	3 16.88	+ 9 57.2	1.215	2.199	4.1	19.5
11 17	3 6.95	+ 9 8.8	1.245	2.223	5.0	19.6
11 27	2 58.18	+ 8 35.3	1.300	2.246	9.4	19.9
12 7	2 51.65	+ 8 19.9	1.378	2.270	13.6	20.3
12 17	2 47.97	+ 8 23.3	1.478	2.293	17.2	20.6

407085 2009 SZ_{244} 11 12.5 347°.79 4°.1/ 9.1 18

10 8	3 32.53	+10 26.2	1.977	2.823	12.9	20.5
10 18	3 28.57	+ 9 1.6	1.905	2.820	9.8	20.3
10 28	3 22.68	+ 7 32.8	1.858	2.817	6.5	20.1
11 7	3 15.54	+ 6 6.0	1.838	2.815	4.2	19.9
11 17	3 7.98	+ 4 47.7	1.846	2.813	5.3	20.0
11 27	3 0.95	+ 3 43.9	1.883	2.811	8.4	20.2
12 7	2 55.27	+ 2 58.7	1.945	2.809	11.6	20.4
12 17	2 51.52	+ 2 33.5	2.030	2.808	14.5	20.6

414333 2008 SN_{151} 11 12.5 151°.77 7°.8/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.09	+43 0.8	2.665	3.364	13.7	20.9
10 18	3 39.19	+44 15.9	2.581	3.367	11.9	20.7
10 28	3 29.64	+45 14.7	2.518	3.370	10.1	20.6
11 7	3 18.16	+45 52.4	2.479	3.373	8.5	20.5
11 17	3 5.77	+46 6.1	2.468	3.375	7.8	20.5
11 27	2 53.79	+45 56.5	2.484	3.378	8.3	20.5
12 7	2 43.41	+45 27.8	2.527	3.380	9.7	20.6
12 17	2 35.52	+44 46.5	2.595	3.383	11.4	20.7

482318 2011 UA_{238} 11 12.5 296°.12 1°.0/12.9 17

10 8	3 42.18	+18 33.0	1.831	2.653	14.8	21.6
10 18	3 36.59	+19 10.4	1.729	2.630	11.5	21.3
10 28	3 28.22	+19 43.9	1.651	2.607	7.5	21.0
11 7	3 17.71	+20 12.4	1.599	2.584	3.0	20.7
11 17	3 6.10	+20 35.4	1.575	2.561	2.2	20.6
11 27	2 54.74	+20 54.2	1.581	2.538	6.9	20.8
12 7	2 44.95	+21 11.6	1.614	2.515	11.3	21.0
12 17	2 37.74	+21 30.9	1.671	2.492	15.3	21.2

196224 2003 BA_{55} 11 12.5 191°.94 0°.7/12.9 18

10 8	3 41.02	+21 2.5	2.045	2.858	13.8	21.0
10 18	3 35.09	+20 52.4	1.961	2.857	10.6	20.8
10 28	3 26.86	+20 32.9	1.900	2.855	6.8	20.6
11 7	3 17.08	+20 4.8	1.867	2.852	2.7	20.3
11 17	3 6.72	+19 30.5	1.863	2.849	1.9	20.3
11 27	2 56.91	+18 54.1	1.889	2.845	6.1	20.5
12 7	2 48.66	+18 20.5	1.943	2.840	9.9	20.8
12 17	2 42.66	+17 53.8	2.022	2.835	13.3	21.0

334986 2004 FB_{50} 11 12.5 198°.12 0°.7/12.9 18

10 8	3 41.18	+21 31.2	1.923	2.739	14.4	21.9
10 18	3 35.36	+21 17.2	1.839	2.736	11.1	21.7
10 28	3 27.10	+20 52.6	1.778	2.733	7.1	21.5
11 7	3 17.18	+20 18.3	1.743	2.729	2.8	21.2
11 17	3 6.63	+19 37.1	1.738	2.724	2.0	21.1
11 27	2 56.67	+18 53.6	1.762	2.719	6.4	21.4
12 7	2 48.37	+18 13.4	1.814	2.713	10.4	21.6
12 17	2 42.46	+17 41.1	1.890	2.706	14.0	21.8

487476 2014 SG_{179} 11 12.5 76°.86 1°.1/11.8 17

10 8	3 36.05	+15 49.1	2.203	3.031	12.4	22.0
10 18	3 30.96	+15 27.3	2.139	3.046	9.3	21.8
10 28	3 24.05	+15 0.7	2.100	3.060	5.8	21.6
11 7	3 16.00	+14 31.5	2.088	3.075	2.2	21.4
11 17	3 7.63	+14 2.9	2.106	3.089	2.3	21.4
11 27	2 59.84	+13 38.1	2.153	3.104	5.9	21.7
12 7	2 53.40	+13 20.4	2.228	3.118	9.2	21.9
12 17	2 48.83	+13 11.8	2.327	3.132	12.0	22.1

368297 2002 OU_{30} 11 12.5 143°.05 2°.3/14.9 18

10 8	3 36.33	+29 6.6	3.137	3.912	10.3	21.8
10 18	3 30.79	+28 53.2	3.057	3.924	8.1	21.7
10 28	3 23.80	+28 29.1	3.002	3.936	5.7	21.5
11 7	3 15.89	+27 54.7	2.975	3.947	3.3	21.4
11 17	3 7.72	+27 11.4	2.979	3.957	2.4	21.3
11 27	3 0.01	+26 22.2	3.014	3.968	4.2	21.5
12 7	2 53.36	+25 31.0	3.080	3.977	6.7	21.6
12 17	2 48.24	+24 41.5	3.172	3.986	8.9	21.8

374721 2006 SQ_{27} 11 12.5 35°.74 3°.5/14.0 18

10 8	3 41.01	+24 55.5	1.120	1.964	20.7	20.4
10 18	3 36.49	+25 22.9	1.068	1.977	16.2	20.2
10 28	3 28.32	+25 33.2	1.034	1.990	10.9	19.9
11 7	3 17.68	+25 24.9	1.022	2.004	5.6	19.7
11 17	3 6.30	+24 59.8	1.035	2.018	4.0	19.7
11 27	2 56.16	+24 24.2	1.072	2.034	8.5	20.0
12 7	2 48.78	+23 47.0	1.132	2.050	13.5	20.3
12 17	2 44.99	+23 15.8	1.213	2.067	17.8	20.6

320408 2007 UN_{139} 11 12.5 77°.63 3°.9/14.7 18

10 8	3 43.19	+28 59.7	1.300	2.120	19.8	20.4
10 18	3 37.69	+28 52.6	1.243	2.136	15.6	20.2
10 28	3 28.83	+28 23.4	1.207	2.153	10.8	20.0
11 7	3 17.80	+27 31.9	1.193	2.169	5.9	19.7
11 17	3 6.23	+26 22.0	1.204	2.186	4.1	19.7
11 27	2 55.93	+25 2.2	1.242	2.202	7.9	19.9
12 7	2 48.24	+23 43.3	1.306	2.219	12.5	20.3
12 17	2 43.88	+22 34.3	1.391	2.235	16.5	20.5

82772 2001 QH_{15} 11 12.5 69°.93 0°.8/12.0 18

10 8	3 38.20	+16 58.3	1.811	2.644	14.5	19.3
10 18	3 32.96	+16 41.3	1.749	2.657	10.9	19.1
10 28	3 25.48	+16 17.8	1.710	2.671	6.8	18.9
11 7	3 16.55	+15 50.0	1.697	2.684	2.4	18.7
11 17	3 7.21	+15 21.3	1.712	2.697	2.4	18.7
11 27	2 58.60	+14 55.8	1.757	2.711	6.6	19.0
12 7	2 51.65	+14 37.6	1.827	2.724	10.5	19.3
12 17	2 47.00	+14 29.2	1.922	2.737	13.8	19.5

98551 2000 WK_1 11 12.5 84°.92 2°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.01	+25 6.8	1.693	2.510	16.0	19.4
10 18	3 34.60	+24 54.8	1.629	2.524	12.4	19.2
10 28	3 26.61	+24 28.3	1.586	2.537	8.2	19.0
11 7	3 16.98	+23 48.1	1.569	2.551	3.9	18.8
11 17	3 6.88	+22 57.4	1.579	2.564	2.6	18.7
11 27	2 57.63	+22 2.0	1.618	2.577	6.5	19.0
12 7	2 50.32	+21 8.7	1.684	2.590	10.6	19.3
12 17	2 45.60	+20 23.4	1.773	2.603	14.1	19.5

288042 2003 UP_{267} 11 12.5 60°.69 0°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.91	+16 43.5	1.528	2.357	16.9	19.7
10 18	3 38.95	+17 12.0	1.482	2.387	12.7	19.5
10 28	3 29.26	+17 34.8	1.459	2.418	7.9	19.3
11 7	3 17.89	+17 51.9	1.461	2.448	2.9	19.1
11 17	3 6.19	+18 4.3	1.492	2.478	2.3	19.1
11 27	2 55.58	+18 14.8	1.552	2.508	7.0	19.5
12 7	2 47.18	+18 26.6	1.637	2.538	11.3	19.8
12 17	2 41.62	+18 42.8	1.747	2.568	14.7	20.1

316986 2001 LJ 11 12.5 71°.97 9°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.82	−14 43.0	2.505	3.283	12.5	20.5
10 18	3 32.52	−15 32.6	2.484	3.318	10.9	20.5
10 28	3 24.75	−16 6.0	2.486	3.352	9.7	20.4
11 7	3 16.18	−16 19.1	2.514	3.386	9.2	20.5
11 17	3 7.57	−16 9.5	2.567	3.420	9.7	20.6
11 27	2 59.66	−15 37.1	2.645	3.453	10.8	20.7
12 7	2 53.06	−14 44.4	2.747	3.486	12.1	20.8
12 17	2 48.17	−13 34.8	2.870	3.518	13.4	21.0

409812 2006 HX_{98} 11 12.5 230°.17 0°.5/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.58	+16 6.5	2.532	3.351	11.3	21.6
10 18	3 31.33	+16 7.7	2.446	3.347	8.5	21.5
10 28	3 24.33	+16 5.1	2.385	3.343	5.3	21.2
11 7	3 16.14	+15 59.7	2.353	3.339	1.9	21.0
11 17	3 7.51	+15 53.3	2.350	3.335	1.8	21.0
11 27	2 59.24	+15 48.1	2.378	3.331	5.3	21.2
12 7	2 52.12	+15 46.5	2.435	3.326	8.5	21.4
12 17	2 46.70	+15 50.5	2.517	3.322	11.2	21.6

461414 2001 TA_{140} 11 12.5 356°.68 15°.8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 57.92	+35 36.3	0.969	1.773	26.1	20.3
10 18	3 52.48	+39 19.4	0.908	1.771	22.6	20.0
10 28	3 40.67	+42 49.7	0.864	1.769	19.1	19.8
11 7	3 22.95	+45 44.7	0.840	1.768	16.4	19.6
11 17	3 1.56	+47 43.2	0.838	1.767	15.9	19.6
11 27	2 40.61	+48 37.0	0.857	1.768	17.7	19.7
12 7	2 24.18	+48 37.4	0.895	1.769	20.8	19.9
12 17	2 14.62	+48 5.2	0.948	1.771	24.0	20.2

491767 2012 VU_{113} 11 12.5 22°.58 0°.3/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 14.51	+ 7 7.0	35.861	36.687	0.9	23.4
10 18	3 13.72	+ 7 3.7	35.785	36.688	0.7	23.4
10 28	3 12.85	+ 7 0.6	35.736	36.689	0.4	23.4
11 7	3 11.92	+ 6 57.7	35.716	36.690	0.3	23.4
11 17	3 10.97	+ 6 55.3	35.726	36.691	0.3	23.4
11 27	3 10.05	+ 6 53.5	35.767	36.692	0.5	23.4
12 7	3 9.17	+ 6 52.5	35.836	36.693	0.8	23.4
12 17	3 8.38	+ 6 52.2	35.932	36.694	1.0	23.5

30523 2001 MK_{23} 11 12.5 219°.45 3°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.26	+31 41.0	2.847	3.615	11.4	19.7
10 18	3 31.89	+31 55.6	2.751	3.608	9.3	19.5
10 28	3 24.71	+31 58.3	2.679	3.602	6.8	19.3
11 7	3 16.30	+31 48.0	2.634	3.594	4.5	19.2
11 17	3 7.38	+31 25.0	2.618	3.587	3.7	19.1
11 27	2 58.84	+30 51.6	2.632	3.579	5.2	19.2
12 7	2 51.44	+30 11.5	2.675	3.571	7.6	19.3
12 17	2 45.80	+29 29.4	2.745	3.563	10.0	19.5

320999 2008 KA_{13} 11 12.5 359°.99 1°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.04	+18 12.5	1.330	2.181	17.6	20.7
10 18	3 32.96	+17 29.7	1.262	2.180	13.4	20.5
10 28	3 25.90	+16 34.8	1.215	2.180	8.4	20.2
11 7	3 16.80	+15 32.1	1.192	2.180	3.0	19.9
11 17	3 7.01	+14 27.8	1.195	2.180	3.2	19.9
11 27	2 58.06	+13 30.0	1.224	2.180	8.5	20.2
12 7	2 51.25	+12 45.6	1.277	2.181	13.5	20.5
12 17	2 47.38	+12 19.0	1.351	2.183	17.6	20.8

219314 2000 EO_{115} 11 12.5 313°.69 1°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.98	+22 2.1	1.355	2.198	17.9	20.7
10 18	3 34.01	+22 2.2	1.273	2.184	13.9	20.4
10 28	3 26.81	+21 48.9	1.211	2.170	9.1	20.1
11 7	3 17.23	+21 22.5	1.172	2.157	3.8	19.8
11 17	3 6.59	+20 45.6	1.158	2.144	2.6	19.7
11 27	2 56.59	+20 3.9	1.171	2.132	8.1	20.0
12 7	2 48.73	+19 25.1	1.207	2.120	13.3	20.2
12 17	2 44.03	+18 55.8	1.265	2.109	17.8	20.5

323266 2003 SZ_{327} 11 12.5 132°.89 3°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.30	+27 38.2	2.389	3.181	12.7	20.7
10 18	3 32.86	+27 58.6	2.307	3.183	10.0	20.5
10 28	3 25.39	+28 8.0	2.249	3.186	7.0	20.3
11 7	3 16.55	+28 5.4	2.217	3.189	4.1	20.1
11 17	3 7.20	+27 51.3	2.214	3.192	3.2	20.1
11 27	2 58.32	+27 28.3	2.241	3.194	5.4	20.2
12 7	2 50.80	+27 0.5	2.296	3.197	8.4	20.4
12 17	2 45.27	+26 32.4	2.377	3.199	11.2	20.6

411784 2012 CZ_{11} 11 12.5 111°.63 5°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.29	+ 2 55.3	2.323	3.154	11.8	20.9
10 18	3 30.25	+ 2 5.3	2.264	3.164	9.2	20.8
10 28	3 23.56	+ 1 19.1	2.229	3.174	6.7	20.7
11 7	3 15.84	+ 0 41.2	2.222	3.184	5.2	20.6
11 17	3 7.83	+ 0 15.4	2.244	3.193	5.9	20.6
11 27	3 0.34	+ 0 4.6	2.294	3.202	8.1	20.8
12 7	2 54.06	+ 0 9.6	2.370	3.212	10.6	21.0
12 17	2 49.50	+ 0 30.0	2.469	3.221	12.9	21.2

243310 2008 OU_{24} 11 12.5 87°.51 6°.2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.73	− 0 51.4	2.422	3.247	11.5	20.6
10 18	3 29.67	− 1 57.6	2.378	3.269	9.2	20.5
10 28	3 23.11	− 2 57.2	2.359	3.290	7.1	20.4
11 7	3 15.65	− 3 45.3	2.367	3.311	6.2	20.4
11 17	3 8.01	− 4 18.0	2.404	3.332	6.9	20.4
11 27	3 0.92	− 4 32.9	2.468	3.353	8.7	20.6
12 7	2 55.01	− 4 29.6	2.558	3.373	10.8	20.8
12 17	2 50.72	− 4 9.5	2.670	3.393	12.7	20.9

451948 2014 MF_{26} 11 12.5 106°.45 3°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.33	+ 9 31.9	2.291	3.120	12.0	21.8
10 18	3 31.79	+ 9 1.8	2.231	3.137	9.0	21.6
10 28	3 24.52	+ 8 31.4	2.196	3.153	5.9	21.5
11 7	3 16.18	+ 8 3.9	2.189	3.169	3.3	21.3
11 17	3 7.57	+ 7 42.3	2.212	3.185	3.9	21.4
11 27	2 59.53	+ 7 29.6	2.264	3.200	6.7	21.6
12 7	2 52.80	+ 7 27.6	2.344	3.215	9.6	21.8
12 17	2 47.87	+ 7 37.0	2.448	3.230	12.2	22.0

354451 2004 BF_{10} 11 12.5 270°.58 7°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.10	− 1 9.7	1.924	2.756	13.8	20.8
10 18	3 32.12	− 2 4.3	1.851	2.746	11.1	20.6
10 28	3 25.01	− 2 51.8	1.800	2.735	8.7	20.5
11 7	3 16.44	− 3 26.0	1.776	2.725	7.4	20.4
11 17	3 7.32	− 3 41.8	1.778	2.714	8.3	20.4
11 27	2 58.71	− 3 35.9	1.807	2.704	10.7	20.5
12 7	2 51.53	− 3 7.9	1.860	2.693	13.5	20.7
12 17	2 46.44	− 2 19.7	1.934	2.682	16.1	20.8

9312 1987 VE_2 11 12.5 293°.04 3°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.71	+28 15.9	1.947	2.752	14.7	17.3
10 18	3 32.16	+28 6.8	1.856	2.741	11.7	17.0
10 28	3 25.20	+27 41.9	1.786	2.729	8.1	16.8
11 7	3 16.55	+27 1.0	1.742	2.718	4.5	16.6
11 17	3 7.22	+26 6.0	1.725	2.707	3.2	16.5
11 27	2 58.42	+25 1.8	1.738	2.696	6.3	16.6
12 7	2 51.23	+23 55.2	1.777	2.685	10.1	16.8
12 17	2 46.40	+22 53.1	1.841	2.674	13.6	17.0

296645 2009 SG_{119} 11 12.5 105°.72 0°.3/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.93	+19 42.1	1.641	2.469	16.0	21.9
10 18	3 35.92	+19 9.7	1.582	2.487	12.1	21.7
10 28	3 27.37	+18 26.8	1.546	2.505	7.6	21.5
11 7	3 17.25	+17 36.2	1.536	2.523	2.7	21.2
11 17	3 6.75	+16 42.4	1.554	2.540	2.3	21.2
11 27	2 57.17	+15 51.6	1.601	2.556	7.0	21.6
12 7	2 49.58	+15 9.4	1.675	2.572	11.2	21.9
12 17	2 44.58	+14 39.8	1.771	2.588	14.7	22.1

114740 2003 HB_{14} 11 12.5 227°.47 2°.8/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.56	+12 28.7	2.259	3.092	12.0	20.2
10 18	3 29.92	+11 25.0	2.178	3.087	9.0	20.0
10 28	3 23.48	+10 16.4	2.122	3.082	5.8	19.8
11 7	3 15.86	+ 9 7.4	2.094	3.076	3.1	19.7
11 17	3 7.82	+ 8 2.8	2.096	3.070	3.9	19.7
11 27	3 0.24	+ 7 7.6	2.128	3.064	7.0	19.9
12 7	2 53.90	+ 6 25.8	2.187	3.058	10.2	20.1
12 17	2 49.34	+ 5 59.3	2.269	3.051	13.0	20.3

179193 2001 TC_{163} 11 12.5 16°.58 1°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.88	+22 53.4	1.751	2.577	15.2	20.8
10 18	3 32.29	+22 46.8	1.677	2.579	11.7	20.6
10 28	3 25.25	+22 28.3	1.626	2.581	7.6	20.4
11 7	3 16.55	+21 58.9	1.600	2.584	3.3	20.1
11 17	3 7.27	+21 21.2	1.601	2.587	2.2	20.0
11 27	2 58.66	+20 40.1	1.630	2.590	6.4	20.3
12 7	2 51.77	+20 1.2	1.686	2.593	10.5	20.6
12 17	2 47.31	+19 29.6	1.765	2.597	14.1	20.8

381811 2009 UE_{155} 11 12.5 278°.21 1°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.27	+21 15.3	1.525	2.356	16.8	20.8
10 18	3 36.14	+21 28.9	1.444	2.348	13.0	20.5
10 28	3 27.99	+21 32.3	1.384	2.341	8.5	20.2
11 7	3 17.64	+21 25.1	1.348	2.333	3.6	19.9
11 17	3 6.36	+21 8.8	1.340	2.326	2.5	19.8
11 27	2 55.71	+20 47.4	1.359	2.318	7.5	20.1
12 7	2 47.07	+20 26.7	1.403	2.311	12.2	20.4
12 17	2 41.39	+20 12.1	1.470	2.303	16.4	20.6

366523 2002 PY_{199} 11 12.5 37°.30 2°.4/14.4 17

10 8	3 35.40	+27 10.2	2.163	2.967	13.4	21.0
10 18	3 30.77	+26 57.0	2.086	2.972	10.5	20.8
10 28	3 24.11	+26 30.4	2.031	2.976	7.2	20.6
11 7	3 16.11	+25 51.0	2.003	2.981	3.8	20.4
11 17	3 7.68	+25 1.1	2.004	2.986	2.6	20.4
11 27	2 59.82	+24 5.2	2.033	2.991	5.5	20.6
12 7	2 53.42	+23 8.9	2.091	2.997	8.9	20.8
12 17	2 49.05	+22 17.4	2.173	3.002	11.9	21.0

315108 2007 EY_{31} 11 12.5 172°.02 4°.7/ 9.0 18

10 8	3 35.06	+ 4 40.4	2.308	3.141	11.8	20.8
10 18	3 30.18	+ 3 50.4	2.239	3.142	9.1	20.6
10 28	3 23.60	+ 3 2.7	2.195	3.143	6.4	20.5
11 7	3 15.90	+ 2 21.5	2.177	3.144	4.8	20.4
11 17	3 7.85	+ 1 51.0	2.189	3.145	5.6	20.4
11 27	3 0.26	+ 1 34.5	2.229	3.145	8.0	20.6
12 7	2 53.87	+ 1 33.3	2.296	3.145	10.7	20.8
12 17	2 49.21	+ 1 47.6	2.385	3.146	13.1	20.9

492273 2013 XC_{8} 11 12.5 335°.46 2°.7/13.8 18

10 8	3 33.04	+24 58.5	1.114	1.971	20.0	20.6
10 18	3 30.88	+24 55.4	1.036	1.953	15.8	20.3
10 28	3 25.15	+24 32.2	0.976	1.936	10.7	20.0
11 7	3 16.73	+23 48.7	0.937	1.921	5.1	19.6
11 17	3 7.10	+22 48.0	0.921	1.907	3.4	19.5
11 27	2 58.19	+21 38.6	0.929	1.894	8.8	19.7
12 7	2 51.73	+20 31.3	0.959	1.883	14.6	20.0
12 17	2 48.81	+19 36.0	1.008	1.874	19.6	20.3

209180 2003 UU_{159} 11 12.5 261°.31 1°.4/11.8 18

10 8	3 38.60	+15 1.1	1.898	2.731	14.0	21.0
10 18	3 33.46	+14 47.6	1.812	2.720	10.6	20.7
10 28	3 25.98	+14 29.2	1.749	2.709	6.7	20.5
11 7	3 16.86	+14 8.1	1.712	2.698	2.6	20.2
11 17	3 7.05	+13 47.1	1.704	2.687	2.8	20.2
11 27	2 57.71	+13 30.2	1.725	2.676	7.0	20.4
12 7	2 49.89	+13 20.9	1.772	2.665	11.0	20.7
12 17	2 44.34	+13 21.8	1.843	2.653	14.5	20.9

517071 2013 CX_{69} 11 12.5 246°.82 3°.0/10.7 18

10 8	3 37.12	+11 2.7	1.935	2.773	13.5	21.2
10 18	3 32.15	+10 29.8	1.858	2.769	10.2	21.0
10 28	3 25.05	+ 9 54.6	1.805	2.764	6.6	20.8
11 7	3 16.48	+ 9 20.6	1.778	2.760	3.4	20.6
11 17	3 7.39	+ 8 52.1	1.780	2.756	4.1	20.6
11 27	2 58.82	+ 8 32.9	1.810	2.751	7.6	20.8
12 7	2 51.71	+ 8 26.0	1.866	2.746	11.2	21.0
12 17	2 46.73	+ 8 32.8	1.946	2.742	14.4	21.2

58028 2002 VB_{63} 11 12.5 100°.27 1°.2/11.9 18

10 8	3 39.04	+15 23.3	1.938	2.768	13.8	19.5
10 18	3 33.52	+15 12.0	1.871	2.778	10.4	19.3
10 28	3 25.84	+14 55.9	1.827	2.787	6.5	19.1
11 7	3 16.75	+14 37.1	1.810	2.797	2.4	18.9
11 17	3 7.21	+14 18.5	1.822	2.806	2.5	18.9
11 27	2 58.32	+14 3.6	1.864	2.815	6.5	19.2
12 7	2 51.00	+13 55.5	1.932	2.824	10.2	19.4
12 17	2 45.87	+13 56.4	2.024	2.833	13.4	19.7

126525 2002 CB_{82} 11 12.5 71°.21 0°.3/12.7 18

10 8	3 36.71	+20 2.4	2.061	2.884	13.3	20.2
10 18	3 31.75	+19 49.8	1.988	2.890	10.1	20.0
10 28	3 24.72	+19 28.8	1.938	2.895	6.4	19.8
11 7	3 16.35	+19 1.1	1.915	2.901	2.4	19.6
11 17	3 7.53	+18 29.1	1.921	2.907	1.8	19.6
11 27	2 59.28	+17 57.0	1.956	2.913	5.8	19.8
12 7	2 52.49	+17 28.8	2.019	2.918	9.5	20.1
12 17	2 47.76	+17 8.1	2.106	2.924	12.6	20.3

265296 2004 GM_{57} 11 12.5 130°.32 0°.3/12.7 18

10 8	3 41.73	+20 33.9	1.806	2.626	15.0	21.6
10 18	3 35.71	+20 14.7	1.739	2.639	11.4	21.4
10 28	3 27.28	+19 45.2	1.694	2.651	7.3	21.2
11 7	3 17.28	+19 7.2	1.676	2.662	2.7	20.9
11 17	3 6.84	+18 24.1	1.687	2.673	2.0	20.9
11 27	2 57.17	+17 41.0	1.728	2.684	6.5	21.2
12 7	2 49.30	+17 3.2	1.795	2.693	10.5	21.5
12 17	2 43.90	+16 35.0	1.886	2.703	14.0	21.7

301499 2009 EX_{21} 11 12.5 236°.93 5°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.60	+ 6 57.3	1.882	2.725	13.6	20.5
10 18	3 30.99	+ 5 43.3	1.812	2.722	10.5	20.3
10 28	3 24.30	+ 4 28.6	1.765	2.719	7.3	20.1
11 7	3 16.22	+ 3 19.5	1.746	2.716	5.3	20.0
11 17	3 7.68	+ 2 22.1	1.754	2.714	6.3	20.1
11 27	2 59.70	+ 1 41.9	1.790	2.711	9.2	20.2
12 7	2 53.18	+ 1 21.5	1.851	2.707	12.5	20.4
12 17	2 48.74	+ 1 21.3	1.934	2.704	15.4	20.6

42958 1999 TB_{127} 11 12.5 64°.13 3°.2/11.1 18

10 8	3 43.03	+13 27.5	1.236	2.088	18.7	19.6
10 18	3 37.06	+12 39.9	1.199	2.117	14.0	19.4
10 28	3 28.16	+11 47.7	1.183	2.146	8.7	19.2
11 7	3 17.55	+10 56.6	1.191	2.176	4.0	19.0
11 17	3 6.73	+10 13.0	1.225	2.205	4.6	19.2
11 27	2 57.23	+ 9 42.7	1.286	2.234	9.2	19.5
12 7	2 50.17	+ 9 29.3	1.370	2.263	13.6	19.8
12 17	2 46.11	+ 9 33.4	1.475	2.291	17.2	20.2

261309 2005 UJ_{200} 11 12.5 180°.39 0°.7/12.1 18

10 8	3 36.70	+16 51.1	2.241	3.066	12.4	21.2
10 18	3 31.61	+16 34.8	2.162	3.066	9.3	21.0
10 28	3 24.60	+16 12.8	2.107	3.066	5.8	20.8
11 7	3 16.32	+15 47.1	2.080	3.066	2.1	20.6
11 17	3 7.59	+15 20.2	2.082	3.066	2.1	20.6
11 27	2 59.35	+14 55.6	2.114	3.066	5.8	20.8
12 7	2 52.40	+14 36.7	2.173	3.066	9.3	21.0
12 17	2 47.36	+14 26.1	2.257	3.065	12.3	21.2

206058 2002 QJ_{108} 11 12.5 27°.16 0°.6/12.9 18

10 8	3 37.42	+20 51.6	1.573	2.410	16.2	20.3
10 18	3 32.89	+20 40.0	1.506	2.414	12.3	20.0
10 28	3 25.71	+20 17.2	1.460	2.420	7.9	19.8
11 7	3 16.78	+19 45.0	1.439	2.425	3.0	19.5
11 17	3 7.26	+19 6.7	1.445	2.431	2.2	19.5
11 27	2 58.50	+18 27.6	1.479	2.438	7.0	19.8
12 7	2 51.63	+17 53.7	1.538	2.445	11.4	20.1
12 17	2 47.38	+17 29.5	1.619	2.452	15.1	20.3

471582 2012 RE_{9} 11 12.5 52°.27 8°.8/18.1 16

10 8	3 45.52	+38 50.4	1.351	2.130	21.3	20.6
10 18	3 39.74	+39 34.5	1.305	2.156	17.8	20.5
10 28	3 30.26	+39 49.9	1.276	2.183	14.0	20.3
11 7	3 18.41	+39 31.8	1.268	2.210	10.6	20.2
11 17	3 6.04	+38 40.6	1.284	2.238	8.8	20.2
11 27	2 55.15	+37 23.4	1.325	2.266	9.9	20.3
12 7	2 47.20	+35 52.4	1.391	2.294	12.7	20.6
12 17	2 42.90	+34 19.9	1.478	2.321	15.7	20.8

191208 2002 QU_{28} 11 12.5 125°.79 0°.1/12.6 18

10 8	3 36.30	+19 4.6	2.567	3.381	11.3	20.5
10 18	3 31.04	+18 55.9	2.493	3.390	8.5	20.3
10 28	3 24.12	+18 41.2	2.443	3.399	5.4	20.1
11 7	3 16.13	+18 21.6	2.421	3.407	2.0	19.9
11 17	3 7.79	+17 59.1	2.430	3.416	1.5	19.9
11 27	2 59.91	+17 36.5	2.469	3.424	4.9	20.2
12 7	2 53.20	+17 17.0	2.537	3.431	8.0	20.4
12 17	2 48.18	+17 3.0	2.630	3.439	10.7	20.6

263073 2007 LQ_{24} 11 12.5 200°.89 1°.4/11.5 18

10 8	3 35.69	+14 4.7	2.568	3.391	11.0	21.1
10 18	3 30.62	+13 46.1	2.485	3.389	8.3	20.9
10 28	3 23.89	+13 24.0	2.427	3.386	5.2	20.7
11 7	3 16.06	+13 0.7	2.398	3.383	2.1	20.5
11 17	3 7.84	+12 38.6	2.399	3.380	2.4	20.5
11 27	3 0.00	+12 20.6	2.430	3.377	5.5	20.7
12 7	2 53.27	+12 9.1	2.489	3.373	8.6	20.9
12 17	2 48.17	+12 6.0	2.574	3.369	11.3	21.1

186251 2001 XH_{219} 11 12.5 350°.20 0°.1/12.6 18

10 8	3 37.07	+19 0.7	1.850	2.680	14.3	20.4
10 18	3 32.33	+18 53.5	1.773	2.679	10.9	20.2
10 28	3 25.27	+18 38.4	1.718	2.677	6.9	19.9
11 7	3 16.62	+18 16.7	1.690	2.676	2.5	19.7
11 17	3 7.39	+17 51.1	1.689	2.675	2.0	19.6
11 27	2 58.73	+17 25.6	1.717	2.674	6.4	19.9
12 7	2 51.65	+17 4.6	1.772	2.674	10.4	20.1
12 17	2 46.87	+16 51.6	1.850	2.674	13.9	20.4

186095 2001 SV_{345} 11 12.5 52°.31 11°.4/ 9.7 18

10 8	3 45.75	− 7 27.0	1.220	2.054	20.0	18.9
10 18	3 38.84	− 8 11.7	1.199	2.087	16.4	18.8
10 28	3 29.11	− 8 34.9	1.197	2.120	13.2	18.7
11 7	3 17.85	− 8 29.3	1.218	2.154	11.5	18.7
11 17	3 6.59	− 7 52.1	1.262	2.188	12.0	18.8
11 27	2 56.78	− 6 45.1	1.331	2.222	14.2	19.1
12 7	2 49.47	− 5 14.1	1.421	2.256	16.8	19.3
12 17	2 45.14	− 3 26.4	1.530	2.289	19.3	19.6

288194 2003 XY_{20} 11 12.5 229°.42 5°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.43	+ 2 55.4	1.964	2.787	13.9	20.5
10 18	3 36.89	+ 2 56.1	1.885	2.782	10.9	20.3
10 28	3 28.05	+ 3 3.2	1.830	2.777	7.6	20.1
11 7	3 17.62	+ 3 20.1	1.803	2.773	5.2	19.9
11 17	3 6.59	+ 3 48.9	1.804	2.768	5.7	19.9
11 27	2 56.10	+ 4 30.9	1.835	2.762	8.6	20.1
12 7	2 47.15	+ 5 25.6	1.894	2.757	11.9	20.3
12 17	2 40.45	+ 6 31.6	1.976	2.751	14.9	20.5

257532 1998 BN_{18} 11 12.5 72°.73 0°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.39	+16 46.8	1.948	2.779	13.7	21.0
10 18	3 32.35	+16 31.3	1.876	2.784	10.3	20.8
10 28	3 25.16	+16 9.6	1.828	2.788	6.5	20.5
11 7	3 16.55	+15 43.9	1.806	2.793	2.3	20.3
11 17	3 7.47	+15 17.2	1.813	2.798	2.3	20.3
11 27	2 58.98	+14 53.4	1.849	2.803	6.4	20.6
12 7	2 52.01	+14 36.1	1.912	2.808	10.2	20.8
12 17	2 47.19	+14 28.2	1.999	2.813	13.4	21.0

227853 2007 DH_{47} 11 12.5 268°.89 0°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.38	+19 59.4	1.623	2.456	15.9	21.3
10 18	3 34.55	+19 42.8	1.536	2.443	12.2	21.0
10 28	3 26.93	+19 15.2	1.470	2.430	7.8	20.7
11 7	3 17.31	+18 38.0	1.430	2.416	2.9	20.4
11 17	3 6.82	+17 54.7	1.417	2.402	2.3	20.3
11 27	2 56.88	+17 10.8	1.431	2.389	7.4	20.6
12 7	2 48.76	+16 32.6	1.472	2.375	12.1	20.8
12 17	2 43.35	+16 5.3	1.535	2.361	16.1	21.1

45542 2000 CE_{36} 11 12.5 169°.09 5°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.03	+36 4.1	2.322	3.075	14.1	19.0
10 18	3 35.95	+36 28.8	2.238	3.078	11.7	18.8
10 28	3 27.50	+36 36.7	2.175	3.081	9.1	18.6
11 7	3 17.43	+36 25.2	2.138	3.083	6.6	18.5
11 17	3 6.76	+35 54.1	2.128	3.085	5.6	18.4
11 27	2 56.68	+35 6.3	2.148	3.087	6.8	18.5
12 7	2 48.23	+34 7.6	2.195	3.088	9.2	18.7
12 17	2 42.14	+33 4.9	2.268	3.088	11.8	18.8

459934 2014 MN_{65} 11 12.5 62°.74 0°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.34	+21 12.9	2.057	2.880	13.4	20.9
10 18	3 30.68	+20 34.2	1.986	2.888	10.1	20.7
10 28	3 24.03	+19 45.2	1.939	2.897	6.4	20.5
11 7	3 16.13	+18 48.3	1.920	2.906	2.4	20.3
11 17	3 7.85	+17 47.6	1.929	2.915	1.8	20.3
11 27	3 0.19	+16 48.2	1.967	2.924	5.8	20.6
12 7	2 53.98	+15 55.5	2.034	2.933	9.5	20.8
12 17	2 49.79	+15 13.3	2.124	2.942	12.6	21.0

228091 2008 SS_{2} 11 12.5 58°.65 1°.5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.63	+22 2.9	2.137	2.950	13.3	20.1
10 18	3 33.20	+22 21.5	2.065	2.959	10.2	19.9
10 28	3 25.67	+22 31.8	2.017	2.969	6.7	19.7
11 7	3 16.74	+22 33.9	1.996	2.978	3.0	19.5
11 17	3 7.34	+22 28.7	2.003	2.988	2.1	19.4
11 27	2 58.49	+22 18.8	2.041	2.998	5.5	19.7
12 7	2 51.11	+22 7.8	2.106	3.008	9.0	19.9
12 17	2 45.83	+21 59.3	2.196	3.018	12.1	20.1

300625 2007 UW_{36} 11 12.5 63°.87 5°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.20	+ 8 1.6	1.608	2.457	15.3	20.5
10 18	3 32.29	+ 6 51.8	1.559	2.473	11.6	20.3
10 28	3 25.10	+ 5 42.3	1.533	2.490	7.8	20.2
11 7	3 16.50	+ 4 39.7	1.533	2.507	5.3	20.1
11 17	3 7.59	+ 3 50.1	1.560	2.525	6.2	20.2
11 27	2 59.51	+ 3 18.6	1.613	2.542	9.5	20.4
12 7	2 53.19	+ 3 7.2	1.692	2.559	12.9	20.6
12 17	2 49.22	+ 3 15.6	1.791	2.577	15.9	20.9

169035 2001 FJ_{19} 11 12.5 267°.75 1°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.82	+24 11.8	1.889	2.704	14.7	20.8
10 18	3 33.86	+24 9.6	1.796	2.690	11.5	20.5
10 28	3 26.37	+23 55.0	1.725	2.676	7.7	20.3
11 7	3 17.09	+23 28.2	1.680	2.662	3.6	20.0
11 17	3 7.02	+22 50.8	1.663	2.648	2.5	19.9
11 27	2 57.43	+22 7.1	1.675	2.634	6.4	20.1
12 7	2 49.45	+21 23.1	1.714	2.619	10.5	20.3
12 17	2 43.89	+20 44.5	1.777	2.604	14.2	20.5

520682 2014 QE_{459} 11 12.5 92°.35 3°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.87	+ 8 48.5	2.167	3.004	12.3	21.6
10 18	3 30.11	+ 7 50.1	2.105	3.014	9.3	21.4
10 28	3 23.58	+ 6 50.8	2.067	3.023	6.2	21.3
11 7	3 15.95	+ 5 55.3	2.057	3.033	4.0	21.1
11 17	3 8.01	+ 5 8.3	2.077	3.043	4.8	21.2
11 27	3 0.62	+ 4 33.8	2.124	3.053	7.5	21.4
12 7	2 54.53	+ 4 14.1	2.199	3.062	10.5	21.6
12 17	2 50.25	+ 4 10.0	2.296	3.072	13.1	21.8

278161 2007 DH_{35} 11 12.5 176°.52 3°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.62	+27 4.6	1.965	2.762	14.9	21.4
10 18	3 36.55	+27 16.3	1.883	2.764	11.7	21.2
10 28	3 27.96	+27 14.6	1.824	2.766	8.1	21.0
11 7	3 17.62	+26 58.5	1.791	2.767	4.5	20.8
11 17	3 6.64	+26 28.8	1.787	2.767	3.3	20.7
11 27	2 56.28	+25 49.5	1.812	2.767	6.3	20.9
12 7	2 47.66	+25 6.4	1.864	2.766	10.0	21.1
12 17	2 41.54	+24 25.6	1.942	2.765	13.3	21.3

44531 1998 YR_{8} 11 12.5 277°.52 6°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.89	+ 0 46.9	2.293	3.125	11.9	18.6
10 18	3 29.37	− 0 11.9	2.224	3.121	9.4	18.4
10 28	3 23.15	− 1 6.1	2.179	3.117	7.2	18.3
11 7	3 15.82	− 1 50.5	2.161	3.114	6.0	18.2
11 17	3 8.10	− 2 20.7	2.171	3.110	6.8	18.3
11 27	3 0.82	− 2 33.5	2.208	3.106	9.0	18.4
12 7	2 54.70	− 2 27.9	2.271	3.102	11.4	18.5
12 17	2 50.29	− 2 4.7	2.355	3.098	13.7	18.7

252870 2002 JD_{22} 11 12.5 173°.73 0°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.57	+19 27.6	1.765	2.586	15.3	21.0
10 18	3 37.33	+19 22.0	1.689	2.589	11.7	20.8
10 28	3 28.46	+19 7.4	1.635	2.592	7.5	20.6
11 7	3 17.81	+18 44.9	1.607	2.594	2.8	20.3
11 17	3 6.51	+18 17.2	1.609	2.595	2.1	20.2
11 27	2 55.90	+17 48.4	1.639	2.595	6.8	20.6
12 7	2 47.12	+17 23.7	1.697	2.595	11.1	20.8
12 17	2 40.95	+17 7.3	1.778	2.594	14.7	21.0

230177 2001 RU_{80} 11 12.5 353°.98 7°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.92	+ 2 27.7	0.998	1.874	20.3	18.2
10 18	3 33.67	+ 2 31.6	0.938	1.864	16.0	17.9
10 28	3 26.83	+ 2 48.4	0.896	1.856	11.4	17.6
11 7	3 17.36	+ 3 24.4	0.874	1.850	7.8	17.4
11 17	3 6.84	+ 4 23.0	0.875	1.846	8.3	17.4
11 27	2 57.19	+ 5 44.3	0.898	1.844	12.4	17.6
12 7	2 50.08	+ 7 24.6	0.942	1.845	17.2	17.9
12 17	2 46.51	+ 9 18.6	1.005	1.847	21.5	18.2

327619 2006 GM_{18} 11 12.6 324°.41 5°.0/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.24	+31 54.2	2.070	2.855	14.6	20.4
10 18	3 33.39	+32 27.0	1.982	2.847	11.9	20.2
10 28	3 26.07	+32 45.0	1.915	2.840	8.9	20.0
11 7	3 16.98	+32 46.0	1.873	2.834	6.1	19.8
11 17	3 7.15	+32 29.3	1.859	2.827	5.0	19.7
11 27	2 57.80	+31 57.6	1.872	2.821	6.8	19.8
12 7	2 50.04	+31 16.3	1.913	2.815	9.8	20.0
12 17	2 44.67	+30 31.7	1.978	2.809	12.8	20.2

122342 2000 QT_{37} 11 12.6 71°.51 1°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.99	+17 36.6	1.512	2.349	16.6	20.1
10 18	3 35.31	+17 2.7	1.463	2.373	12.5	19.9
10 28	3 27.05	+16 20.1	1.435	2.397	7.7	19.7
11 7	3 17.23	+15 32.6	1.434	2.421	2.8	19.5
11 17	3 7.09	+14 45.1	1.460	2.444	2.8	19.6
11 27	2 57.97	+14 3.4	1.514	2.468	7.5	19.9
12 7	2 50.91	+13 32.6	1.593	2.491	11.7	20.2
12 17	2 46.50	+13 15.4	1.695	2.514	15.2	20.5

73552 2003 QK_{12} 11 12.6 121°.92 0°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.11	+17 42.3	1.984	2.805	13.9	20.2
10 18	3 35.03	+17 30.6	1.918	2.820	10.5	20.0
10 28	3 26.79	+17 12.3	1.876	2.834	6.6	19.8
11 7	3 17.15	+16 49.0	1.861	2.847	2.3	19.6
11 17	3 7.11	+16 23.5	1.875	2.861	2.1	19.6
11 27	2 57.76	+15 59.6	1.920	2.873	6.2	19.9
12 7	2 50.02	+15 41.0	1.992	2.886	9.9	20.1
12 17	2 44.51	+15 30.7	2.088	2.897	13.1	20.4

324220 2006 BP_{51} 11 12.6 213°.27 1°.4/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.40	+23 48.7	2.564	3.367	11.6	22.0
10 18	3 31.30	+23 43.4	2.475	3.363	9.0	21.8
10 28	3 24.40	+23 28.9	2.409	3.358	5.9	21.6
11 7	3 16.30	+23 5.7	2.372	3.353	2.8	21.4
11 17	3 7.74	+22 35.4	2.364	3.348	1.9	21.3
11 27	2 59.58	+22 1.0	2.386	3.343	4.9	21.5
12 7	2 52.60	+21 26.6	2.438	3.338	8.1	21.7
12 17	2 47.38	+20 55.7	2.515	3.332	10.9	21.9

152823 1999 UK_{41} 11 12.6 111°.54 0°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.49	+22 35.8	2.251	3.064	12.7	20.0
10 18	3 31.47	+22 18.6	2.175	3.070	9.7	19.9
10 28	3 24.53	+21 51.6	2.123	3.077	6.3	19.7
11 7	3 16.34	+21 16.0	2.099	3.083	2.6	19.4
11 17	3 7.76	+20 34.5	2.103	3.089	1.7	19.4
11 27	2 59.72	+19 51.0	2.138	3.095	5.3	19.6
12 7	2 53.03	+19 10.1	2.201	3.101	8.8	19.9
12 17	2 48.29	+18 35.6	2.289	3.107	11.8	20.1

328708 2009 TW_8 11 12.6 339°.29 1°.2/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.40	+20 32.7	2.008	2.828	13.7	20.5
10 18	3 33.29	+20 55.0	1.925	2.824	10.6	20.2
10 28	3 25.90	+21 10.4	1.865	2.820	6.9	20.0
11 7	3 16.91	+21 18.5	1.832	2.816	2.9	19.8
11 17	3 7.26	+21 20.2	1.827	2.813	2.0	19.7
11 27	2 58.08	+21 17.9	1.852	2.810	6.0	20.0
12 7	2 50.39	+21 14.8	1.904	2.807	9.8	20.2
12 17	2 44.91	+21 14.6	1.980	2.805	13.1	20.4

514764 2007 EV_{114} 11 12.6 170°.13 4°.1/14.3 18 R

10 8	3 45.88	+26 25.8	1.755	2.556	16.2	22.0
10 18	3 39.47	+27 19.7	1.676	2.557	12.9	21.8
10 28	3 30.07	+28 2.3	1.618	2.559	9.1	21.6
11 7	3 18.50	+28 30.2	1.587	2.559	5.4	21.4
11 17	3 6.01	+28 41.9	1.583	2.560	4.3	21.3
11 27	2 54.13	+28 39.2	1.608	2.561	7.3	21.5
12 7	2 44.23	+28 27.3	1.660	2.561	11.1	21.7
12 17	2 37.23	+28 12.4	1.736	2.561	14.6	22.0

102185 1999 RJ_{250} 11 12.6 105°.74 2°.6/11.1 17

10 8	3 41.70	+14 35.4	1.556	2.395	16.2	20.3
10 18	3 35.83	+13 43.6	1.501	2.412	12.1	20.1
10 28	3 27.41	+12 45.4	1.468	2.430	7.6	19.9
11 7	3 17.39	+11 45.6	1.462	2.447	3.3	19.7
11 17	3 7.01	+10 50.3	1.483	2.463	3.9	19.8
11 27	2 57.58	+10 5.4	1.532	2.479	8.2	20.1
12 7	2 50.13	+ 9 35.3	1.607	2.494	12.3	20.4
12 17	2 45.31	+ 9 22.1	1.704	2.509	15.7	20.6

457942 2009 VC_9 11 12.6 307°.74 1°.1/13.3 17

10 8	3 35.19	+22 24.6	2.091	2.911	13.3	21.8
10 18	3 30.84	+22 14.1	1.999	2.898	10.3	21.6
10 28	3 24.34	+21 53.4	1.930	2.885	6.7	21.3
11 7	3 16.35	+21 23.3	1.887	2.872	2.8	21.1
11 17	3 7.75	+20 46.1	1.873	2.859	1.9	21.0
11 27	2 59.56	+20 5.8	1.888	2.846	5.8	21.2
12 7	2 52.75	+19 27.3	1.930	2.834	9.6	21.4
12 17	2 48.00	+18 55.0	1.997	2.822	13.0	21.6

417955 Mallama 11 12.6 55°.64 0°.4/12.9 18

10 8	3 33.66	+21 46.3	2.432	3.248	11.8	20.6
10 18	3 29.18	+21 14.5	2.358	3.256	8.9	20.4
10 28	3 23.02	+20 33.7	2.308	3.264	5.7	20.2
11 7	3 15.79	+19 45.7	2.287	3.272	2.2	20.0
11 17	3 8.24	+18 53.7	2.294	3.280	1.5	20.0
11 27	3 1.19	+18 1.8	2.332	3.288	5.0	20.2
12 7	2 55.34	+17 14.2	2.398	3.297	8.2	20.5
12 17	2 51.21	+16 34.4	2.490	3.305	11.0	20.7

167260 2003 UM_{122} 11 12.6 80°.75 0°.3/12.7 18

10 8	3 39.48	+20 26.2	1.727	2.554	15.3	20.9
10 18	3 34.12	+20 7.4	1.665	2.569	11.6	20.7
10 28	3 26.35	+19 38.5	1.625	2.583	7.4	20.5
11 7	3 17.03	+19 1.4	1.612	2.598	2.7	20.2
11 17	3 7.29	+18 19.7	1.626	2.612	2.0	20.2
11 27	2 58.35	+17 38.5	1.669	2.626	6.5	20.5
12 7	2 51.22	+17 3.1	1.739	2.641	10.6	20.8
12 17	2 46.53	+16 37.4	1.832	2.655	14.1	21.0

128991 2004 TZ_{212} 11 12.6 82°.21 0°.2/12.7 18

10 8	3 36.26	+19 40.9	2.202	3.023	12.7	20.7
10 18	3 31.36	+19 28.5	2.125	3.026	9.6	20.5
10 28	3 24.52	+19 8.4	2.071	3.028	6.1	20.3
11 7	3 16.39	+18 42.2	2.045	3.031	2.3	20.0
11 17	3 7.81	+18 12.3	2.047	3.033	1.7	20.0
11 27	2 59.73	+17 42.2	2.080	3.036	5.6	20.3
12 7	2 53.00	+17 15.9	2.140	3.039	9.1	20.5
12 17	2 48.21	+16 56.6	2.225	3.041	12.1	20.7

223331 2003 QV_{65} 11 12.6 24°.95 4°.4/15.1 18

10 8	3 39.26	+29 28.5	1.990	2.785	14.8	19.3
10 18	3 34.10	+30 6.6	1.915	2.789	11.9	19.2
10 28	3 26.48	+30 31.3	1.861	2.794	8.6	19.0
11 7	3 17.16	+30 40.6	1.833	2.800	5.5	18.8
11 17	3 7.19	+30 34.0	1.832	2.805	4.4	18.7
11 27	2 57.79	+30 14.2	1.860	2.811	6.6	18.9
12 7	2 50.07	+29 46.3	1.914	2.818	9.7	19.1
12 17	2 44.75	+29 16.1	1.993	2.824	12.8	19.3

428589 2008 EP_{40} 11 12.6 153°.76 3°.9/14.8 17

10 8	3 43.51	+28 45.9	1.715	2.515	16.6	21.7
10 18	3 37.58	+28 58.9	1.640	2.520	13.2	21.5
10 28	3 28.78	+28 55.4	1.586	2.525	9.3	21.2
11 7	3 18.01	+28 34.0	1.557	2.530	5.4	21.0
11 17	3 6.54	+27 55.5	1.555	2.534	4.0	20.9
11 27	2 55.87	+27 4.9	1.582	2.537	7.0	21.1
12 7	2 47.23	+26 9.5	1.635	2.540	10.9	21.4
12 17	2 41.43	+25 17.0	1.712	2.543	14.5	21.6

107558 2001 DK_{85} 11 12.6 104°.58 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.59	+21 17.8	1.882	2.702	14.5	20.6
10 18	3 34.16	+21 12.8	1.811	2.711	11.1	20.4
10 28	3 26.40	+20 58.1	1.764	2.719	7.1	20.2
11 7	3 17.10	+20 34.6	1.742	2.727	2.9	20.0
11 17	3 7.30	+20 4.9	1.749	2.735	2.0	19.9
11 27	2 58.18	+19 33.0	1.785	2.743	6.2	20.2
12 7	2 50.72	+19 3.8	1.848	2.751	10.1	20.5
12 17	2 45.59	+18 41.4	1.936	2.758	13.4	20.7

72864 2001 HD_{54} 11 12.6 7°.89 16°.8/ 8.1 18

10 8	3 43.97	−23 19.6	1.451	2.224	20.3	17.3
10 18	3 37.79	−24 4.6	1.411	2.225	18.7	17.1
10 28	3 28.74	−24 16.7	1.387	2.227	17.4	17.1
11 7	3 17.92	−23 47.2	1.382	2.230	16.8	17.0
11 17	3 6.73	−22 31.9	1.398	2.234	17.2	17.1
11 27	2 56.65	−20 32.9	1.434	2.239	18.3	17.2
12 7	2 48.81	−17 58.3	1.490	2.245	19.9	17.3
12 17	2 43.88	−14 58.6	1.564	2.252	21.6	17.5

278025 2006 VP_{95} 11 12.6 10°.14 5°.8/10.4 18

10 8	3 36.46	+ 8 5.5	1.044	1.919	19.6	19.8
10 18	3 33.03	+ 7 28.0	0.992	1.920	15.1	19.5
10 28	3 26.23	+ 6 52.1	0.958	1.923	10.1	19.3
11 7	3 17.15	+ 6 24.8	0.947	1.927	6.1	19.1
11 17	3 7.33	+ 6 12.6	0.958	1.933	7.1	19.2
11 27	2 58.53	+ 6 20.6	0.993	1.939	11.5	19.4
12 7	2 52.19	+ 6 50.0	1.048	1.947	16.2	19.7
12 17	2 49.12	+ 7 39.0	1.123	1.956	20.3	20.0

298030 2002 PM_{141} 11 12.6 69°.79 6°.2/17.4 18

10 8	3 42.00	+37 8.8	1.767	2.535	17.4	19.8
10 18	3 36.29	+37 8.8	1.705	2.555	14.3	19.6
10 28	3 27.81	+36 45.1	1.664	2.576	10.9	19.4
11 7	3 17.60	+35 56.3	1.646	2.597	7.7	19.3
11 17	3 7.02	+34 44.2	1.655	2.618	6.2	19.3
11 27	2 57.48	+33 15.3	1.692	2.639	7.5	19.4
12 7	2 50.12	+31 39.1	1.755	2.660	10.4	19.6
12 17	2 45.57	+30 5.1	1.844	2.680	13.4	19.8

422519 2014 TN_8 11 12.6 6°.53 3°.0/10.2 18

10 8	3 32.00	+14 43.7	1.833	2.680	13.7	20.3
10 18	3 28.39	+13 18.1	1.764	2.681	10.3	20.1
10 28	3 22.74	+11 44.3	1.719	2.683	6.5	19.9
11 7	3 15.78	+10 8.6	1.701	2.685	3.3	19.7
11 17	3 8.41	+ 8 38.0	1.712	2.688	4.2	19.8
11 27	3 1.65	+ 7 19.6	1.750	2.691	7.8	20.0
12 7	2 56.33	+ 6 18.7	1.815	2.696	11.5	20.3
12 17	2 53.05	+ 5 37.9	1.902	2.701	14.6	20.5

362873 2012 BD_{89} 11 12.6 14°.21 0°.2/12.7 18

10 8	3 35.83	+18 25.4	1.337	2.190	17.5	19.8
10 18	3 32.07	+18 32.1	1.279	2.197	13.3	19.5
10 28	3 25.42	+18 30.2	1.241	2.204	8.4	19.3
11 7	3 16.83	+18 21.2	1.227	2.214	3.1	19.0
11 17	3 7.60	+18 8.0	1.238	2.224	2.4	19.0
11 27	2 59.23	+17 55.0	1.275	2.236	7.6	19.3
12 7	2 52.94	+17 47.1	1.336	2.249	12.3	19.6
12 17	2 49.50	+17 47.6	1.419	2.263	16.2	19.9

254840 2005 QZ_{179} 11 12.6 82°.93 1°.3/13.4 18

10 8	3 39.16	+21 55.8	2.013	2.829	13.9	20.9
10 18	3 33.78	+22 5.3	1.939	2.835	10.7	20.7
10 28	3 26.16	+22 5.8	1.888	2.841	7.0	20.5
11 7	3 17.05	+21 57.6	1.864	2.848	3.0	20.2
11 17	3 7.42	+21 42.1	1.869	2.854	2.0	20.2
11 27	2 58.36	+21 22.5	1.902	2.860	5.8	20.4
12 7	2 50.86	+21 3.1	1.964	2.866	9.5	20.7
12 17	2 45.58	+20 47.9	2.049	2.872	12.8	20.9

139056 2001 FY 11 12.6 191°.73 2°.8/11.2 15

10 8	3 47.79	+13 11.9	1.680	2.503	15.9	23.1
10 18	3 40.64	+12 33.5	1.599	2.502	12.1	22.8
10 28	3 30.67	+11 49.6	1.542	2.500	7.7	22.6
11 7	3 18.74	+11 3.7	1.512	2.496	3.5	22.3
11 17	3 6.08	+10 20.8	1.511	2.490	4.1	22.3
11 27	2 54.13	+ 9 46.6	1.540	2.483	8.5	22.6
12 7	2 44.13	+ 9 25.5	1.596	2.475	12.9	22.8
12 17	2 36.91	+ 9 20.0	1.674	2.464	16.6	23.1

409752 2006 DM_{64} 11 12.6 302°.50 3°.8/10.3 17

10 8	3 35.92	+ 8 28.2	2.002	2.841	13.1	20.8
10 18	3 31.44	+ 7 58.6	1.907	2.817	10.1	20.6
10 28	3 24.81	+ 7 28.7	1.836	2.794	6.7	20.4
11 7	3 16.62	+ 7 2.0	1.792	2.770	4.1	20.1
11 17	3 7.72	+ 6 42.8	1.775	2.747	4.8	20.1
11 27	2 59.15	+ 6 34.7	1.787	2.723	8.1	20.3
12 7	2 51.89	+ 6 40.4	1.824	2.700	11.7	20.5
12 17	2 46.65	+ 7 0.6	1.885	2.677	14.9	20.6

4572 Brage 11 12.6 125°.14 3°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.79	+10 50.4	1.999	2.833	13.3	17.2
10 18	3 32.45	+ 9 40.3	1.937	2.846	10.0	17.1
10 28	3 25.15	+ 8 27.2	1.900	2.858	6.5	16.9
11 7	3 16.64	+ 7 16.4	1.891	2.869	3.9	16.7
11 17	3 7.80	+ 6 13.4	1.911	2.881	4.7	16.8
11 27	2 59.62	+ 5 23.4	1.960	2.891	7.8	17.0
12 7	2 52.91	+ 4 49.7	2.035	2.902	11.1	17.2
12 17	2 48.23	+ 4 33.4	2.134	2.912	13.9	17.5

37873 1998 FM_{29} 11 12.6 118°.95 5°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.21	+ 4 25.0	1.996	2.830	13.3	19.2
10 18	3 32.69	+ 3 1.3	1.944	2.846	10.3	19.1
10 28	3 25.25	+ 1 40.2	1.916	2.862	7.4	18.9
11 7	3 16.66	+ 0 28.2	1.916	2.878	5.8	18.9
11 17	3 7.79	− 0 29.0	1.945	2.893	6.8	19.0
11 27	2 59.61	− 1 7.2	2.002	2.908	9.3	19.1
12 7	2 52.90	− 1 24.6	2.084	2.922	12.0	19.3
12 17	2 48.19	− 1 21.9	2.187	2.935	14.5	19.6

235383 2003 WE_{80} 11 12.6 77°.76 2°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.01	+ 8 42.1	1.773	2.589	15.5	19.5
10 18	3 42.55	+ 9 23.3	1.718	2.616	11.7	19.3
10 28	3 31.55	+10 7.3	1.688	2.643	7.5	19.1
11 7	3 18.97	+10 54.1	1.686	2.669	3.3	18.9
11 17	3 6.02	+11 43.6	1.715	2.696	3.4	19.0
11 27	2 54.02	+12 35.8	1.775	2.722	7.3	19.3
12 7	2 44.05	+13 30.7	1.864	2.747	11.1	19.5
12 17	2 36.76	+14 28.6	1.978	2.772	14.2	19.8

442772 2012 XH_{104} 11 12.6 317°.81 5°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.79	+ 3 34.4	1.579	2.422	15.8	20.4
10 18	3 34.76	+ 3 16.9	1.502	2.411	12.3	20.1
10 28	3 27.07	+ 3 5.5	1.447	2.399	8.7	19.9
11 7	3 17.48	+ 3 5.1	1.417	2.388	6.1	19.7
11 17	3 7.10	+ 3 19.8	1.413	2.378	6.8	19.7
11 27	2 57.29	+ 3 52.0	1.436	2.367	10.1	19.9
12 7	2 49.23	+ 4 41.9	1.484	2.358	14.0	20.1
12 17	2 43.76	+ 5 47.6	1.553	2.349	17.4	20.3

322641 1998 SW_{176} 11 12.6 30°.59 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.41	+21 21.5	1.999	2.822	13.7	21.3
10 18	3 31.70	+21 16.5	1.926	2.826	10.5	21.1
10 28	3 24.85	+21 2.4	1.875	2.831	6.8	20.9
11 7	3 16.59	+20 40.1	1.851	2.836	2.7	20.7
11 17	3 7.84	+20 12.0	1.856	2.842	1.8	20.6
11 27	2 59.66	+19 41.9	1.889	2.848	5.8	20.9
12 7	2 52.98	+19 14.2	1.950	2.854	9.5	21.2
12 17	2 48.42	+18 52.8	2.035	2.860	12.8	21.4

17874 1998 YM_{3} 11 12.6 320°.09 0°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 28.58	+18 58.0	4.251	5.061	7.2	18.9
10 18	3 24.81	+18 47.4	4.163	5.059	5.5	18.8
10 28	3 20.11	+18 33.1	4.101	5.056	3.4	18.6
11 7	3 14.80	+18 15.9	4.068	5.054	1.3	18.4
11 17	3 9.26	+17 57.2	4.066	5.052	1.0	18.4
11 27	3 3.93	+17 38.4	4.095	5.049	3.2	18.6
12 7	2 59.21	+17 21.5	4.154	5.047	5.2	18.7
12 17	2 55.42	+17 7.8	4.240	5.045	7.0	18.9

427967 2005 YZ_{85} 11 12.6 2°.96 3°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.36	+31 43.2	2.707	3.485	11.7	20.8
10 18	3 29.07	+31 43.4	2.621	3.484	9.4	20.6
10 28	3 23.06	+31 30.5	2.558	3.485	6.9	20.5
11 7	3 15.92	+31 4.4	2.522	3.485	4.5	20.3
11 17	3 8.38	+30 26.1	2.514	3.486	3.5	20.3
11 27	3 1.26	+29 38.5	2.536	3.487	5.0	20.4
12 7	2 55.30	+28 46.2	2.586	3.489	7.5	20.5
12 17	2 51.05	+27 53.7	2.662	3.491	10.0	20.7

230379 2002 GZ_{51} 11 12.6 107°.94 0°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.79	+17 47.9	1.829	2.656	14.6	20.6
10 18	3 35.05	+17 39.9	1.763	2.667	11.1	20.4
10 28	3 26.97	+17 25.0	1.720	2.679	7.0	20.1
11 7	3 17.36	+17 4.7	1.703	2.690	2.5	19.9
11 17	3 7.27	+16 41.8	1.715	2.700	2.1	19.9
11 27	2 57.90	+16 20.2	1.756	2.711	6.5	20.2
12 7	2 50.23	+16 4.0	1.824	2.721	10.5	20.4
12 17	2 44.94	+15 56.2	1.915	2.731	13.8	20.7

214403 2005 NG_{58} 11 12.6 86°.63 2°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.37	+12 44.9	1.968	2.803	13.4	20.9
10 18	3 32.19	+12 3.3	1.909	2.819	10.1	20.7
10 28	3 25.02	+11 18.3	1.874	2.834	6.4	20.5
11 7	3 16.61	+10 33.7	1.866	2.849	3.0	20.3
11 17	3 7.88	+ 9 53.8	1.886	2.864	3.6	20.4
11 27	2 59.81	+ 9 22.7	1.936	2.879	7.0	20.7
12 7	2 53.24	+ 9 3.5	2.012	2.894	10.4	20.9
12 17	2 48.71	+ 8 57.6	2.112	2.908	13.4	21.1

3450 Dommanget 11 12.6 359°.33 1°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.23	+14 24.9	1.734	2.573	14.8	16.6
10 18	3 33.34	+14 17.6	1.661	2.572	11.2	16.3
10 28	3 26.03	+14 6.2	1.610	2.572	7.1	16.1
11 7	3 17.06	+13 53.0	1.585	2.571	2.7	15.8
11 17	3 7.48	+13 40.9	1.588	2.571	2.9	15.9
11 27	2 58.50	+13 33.4	1.619	2.572	7.2	16.1
12 7	2 51.18	+13 33.7	1.676	2.572	11.3	16.4
12 17	2 46.25	+13 44.0	1.756	2.573	14.8	16.6

232918 2005 AN_{7} 11 12.6 209°.65 4°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.85	+ 3 44.5	2.787	3.611	10.2	20.8
10 18	3 29.88	+ 3 10.7	2.709	3.606	7.9	20.6
10 28	3 23.44	+ 2 39.7	2.656	3.601	5.7	20.5
11 7	3 16.04	+ 2 14.6	2.632	3.596	4.2	20.4
11 17	3 8.29	+ 1 58.4	2.637	3.591	4.8	20.4
11 27	3 0.90	+ 1 53.6	2.672	3.585	6.9	20.5
12 7	2 54.47	+ 2 1.1	2.734	3.580	9.3	20.7
12 17	2 49.50	+ 2 21.0	2.820	3.573	11.4	20.8

279180 2009 SW_{290} 11 12.6 325°.28 2°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.44	+13 13.9	1.295	2.154	17.6	21.0
10 18	3 33.58	+12 49.0	1.220	2.142	13.5	20.8
10 28	3 26.61	+12 18.8	1.165	2.130	8.6	20.5
11 7	3 17.38	+11 47.5	1.134	2.119	3.8	20.2
11 17	3 7.20	+11 20.3	1.128	2.109	4.4	20.2
11 27	2 57.68	+11 3.2	1.147	2.100	9.4	20.4
12 7	2 50.26	+11 0.5	1.189	2.091	14.4	20.7
12 17	2 45.86	+11 14.5	1.251	2.083	18.8	20.9

54449 2000 NY_{7} 11 12.6 222°.90 4°.7/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.10	+ 5 50.0	2.171	3.005	12.4	19.2
10 18	3 31.21	+ 4 57.4	2.095	3.000	9.5	19.0
10 28	3 24.45	+ 4 5.7	2.044	2.995	6.7	18.8
11 7	3 16.45	+ 3 19.8	2.020	2.989	4.8	18.7
11 17	3 7.99	+ 2 44.2	2.025	2.984	5.6	18.8
11 27	3 0.00	+ 2 22.6	2.058	2.978	8.2	18.9
12 7	2 53.27	+ 2 17.1	2.117	2.972	11.2	19.1
12 17	2 48.39	+ 2 28.1	2.199	2.966	13.9	19.3

342595 2008 UM_{302} 11 12.6 188°.39 1°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.28	+23 28.1	1.813	2.631	15.1	21.1
10 18	3 34.16	+23 14.5	1.734	2.631	11.7	20.9
10 28	3 26.55	+22 48.3	1.678	2.631	7.6	20.7
11 7	3 17.26	+22 10.3	1.647	2.630	3.3	20.4
11 17	3 7.36	+21 23.4	1.644	2.630	2.2	20.3
11 27	2 58.10	+20 32.7	1.670	2.629	6.4	20.6
12 7	2 50.57	+19 44.5	1.723	2.628	10.5	20.8
12 17	2 45.48	+19 4.1	1.800	2.627	14.1	21.1

451627 2012 FV_{78} 11 12.6 252°.49 6°.9/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.82	− 3 22.6	2.522	3.341	11.3	21.4
10 18	3 30.06	− 4 28.3	2.443	3.326	9.3	21.3
10 28	3 23.67	− 5 27.8	2.389	3.310	7.6	21.1
11 7	3 16.16	− 6 15.8	2.361	3.294	6.9	21.1
11 17	3 8.22	− 6 47.7	2.361	3.277	7.7	21.1
11 27	3 0.61	− 7 0.4	2.389	3.260	9.5	21.2
12 7	2 54.05	− 6 52.9	2.441	3.243	11.7	21.3
12 17	2 49.08	− 6 26.3	2.515	3.225	13.7	21.4

213456 2002 CP_{119} 11 12.6 232°.27 0°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.01	+18 20.6	1.528	2.364	16.5	21.0
10 18	3 35.88	+17 47.9	1.447	2.357	12.6	20.7
10 28	3 27.86	+17 4.1	1.388	2.349	8.0	20.4
11 7	3 17.80	+16 12.2	1.355	2.342	2.9	20.1
11 17	3 6.93	+15 16.9	1.348	2.333	2.8	20.1
11 27	2 56.73	+14 24.9	1.369	2.324	8.0	20.4
12 7	2 48.49	+13 43.0	1.416	2.315	12.8	20.6
12 17	2 43.08	+13 15.7	1.485	2.306	16.9	20.9

247296 2001 SQ_{345} 11 12.6 66°.71 1°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.36	+24 15.3	1.800	2.618	15.2	20.4
10 18	3 33.25	+23 50.3	1.739	2.636	11.6	20.2
10 28	3 25.81	+23 11.8	1.700	2.653	7.6	20.0
11 7	3 16.94	+22 21.8	1.687	2.671	3.3	19.8
11 17	3 7.69	+21 23.9	1.703	2.688	2.1	19.7
11 27	2 59.26	+20 24.1	1.747	2.706	6.1	20.0
12 7	2 52.58	+19 28.4	1.818	2.724	10.0	20.3
12 17	2 48.27	+18 42.0	1.914	2.742	13.3	20.6

278753 2008 SB_{108} 11 12.6 19°.25 3°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.47	+10 3.8	2.097	2.938	12.5	20.6
10 18	3 29.26	+ 9 5.4	2.028	2.940	9.4	20.4
10 28	3 23.22	+ 8 4.7	1.984	2.942	6.2	20.2
11 7	3 16.00	+ 7 6.6	1.967	2.945	3.8	20.1
11 17	3 8.39	+ 6 15.8	1.978	2.948	4.6	20.1
11 27	3 1.30	+ 5 36.8	2.018	2.951	7.5	20.3
12 7	2 55.50	+ 5 12.7	2.084	2.954	10.7	20.5
12 17	2 51.53	+ 5 4.4	2.173	2.958	13.4	20.7

99866 2002 PX_{22} 11 12.6 300°.90 5°.1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.93	+35 10.0	2.357	3.120	13.7	19.7
10 18	3 32.89	+35 26.0	2.270	3.118	11.3	19.5
10 28	3 25.66	+35 25.8	2.205	3.117	8.6	19.4
11 7	3 16.93	+35 7.5	2.165	3.115	6.2	19.2
11 17	3 7.64	+34 31.5	2.152	3.114	5.1	19.2
11 27	2 58.87	+33 40.6	2.168	3.112	6.4	19.2
12 7	2 51.58	+32 40.5	2.212	3.111	8.8	19.4
12 17	2 46.44	+31 37.6	2.282	3.109	11.5	19.6

410150 2007 HE_{49} 11 12.6 6°.70 1°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.81	+13 0.6	2.092	2.923	12.9	20.6
10 18	3 32.63	+13 0.7	2.016	2.923	9.8	20.4
10 28	3 25.42	+12 58.7	1.964	2.923	6.2	20.2
11 7	3 16.83	+12 56.5	1.938	2.924	2.5	19.9
11 17	3 7.73	+12 56.1	1.942	2.925	2.7	20.0
11 27	2 59.13	+13 0.0	1.975	2.925	6.4	20.2
12 7	2 51.89	+13 10.3	2.036	2.926	9.9	20.4
12 17	2 46.67	+13 28.5	2.121	2.928	13.0	20.6

324156 2005 YZ_{178} 11 12.6 4°.18 4°.1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.89	+30 53.0	1.967	2.761	14.9	20.9
10 18	3 32.35	+30 58.7	1.887	2.761	12.0	20.7
10 28	3 25.42	+30 48.0	1.828	2.762	8.7	20.5
11 7	3 16.86	+30 19.8	1.794	2.762	5.5	20.3
11 17	3 7.72	+29 35.6	1.788	2.763	4.2	20.2
11 27	2 59.18	+28 39.5	1.809	2.764	6.4	20.4
12 7	2 52.30	+27 38.2	1.858	2.766	9.7	20.6
12 17	2 47.77	+26 38.3	1.931	2.768	12.9	20.8

153455 2001 QT_{296} 11 12.6 16°.64 0°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.93	+19 6.6	1.100	1.963	19.8	18.5
10 18	3 33.45	+19 10.0	1.046	1.969	15.1	18.2
10 28	3 26.56	+19 2.3	1.011	1.976	9.6	17.9
11 7	3 17.35	+18 45.2	0.997	1.984	3.6	17.6
11 17	3 7.38	+18 22.5	1.008	1.994	2.6	17.6
11 27	2 58.47	+18 0.2	1.043	2.006	8.5	18.0
12 7	2 52.06	+17 44.4	1.100	2.018	13.8	18.3
12 17	2 48.97	+17 39.6	1.178	2.032	18.2	18.6

274191 2008 HU_3 11 12.6 140°.31 0°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.87	+19 43.9	1.862	2.680	14.8	21.4
10 18	3 36.63	+19 33.1	1.792	2.691	11.2	21.2
10 28	3 27.98	+19 13.5	1.746	2.702	7.1	21.0
11 7	3 17.76	+18 46.3	1.726	2.712	2.7	20.7
11 17	3 7.06	+18 14.4	1.736	2.722	2.0	20.7
11 27	2 57.08	+17 42.2	1.775	2.730	6.4	21.0
12 7	2 48.86	+17 14.3	1.841	2.739	10.4	21.3
12 17	2 43.07	+16 54.6	1.932	2.746	13.8	21.5

54113 2000 HP_{12} 11 12.6 123°.48 0°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.03	+20 47.7	1.723	2.549	15.4	19.8
10 18	3 34.62	+20 7.4	1.655	2.559	11.7	19.5
10 28	3 26.76	+19 15.1	1.610	2.568	7.4	19.3
11 7	3 17.32	+18 13.8	1.590	2.577	2.7	19.0
11 17	3 7.42	+17 8.3	1.600	2.585	2.1	19.0
11 27	2 58.31	+16 5.0	1.638	2.594	6.8	19.3
12 7	2 51.01	+15 10.3	1.703	2.602	11.0	19.6
12 17	2 46.19	+14 28.6	1.791	2.609	14.5	19.9

76310 2000 EM_{138} 11 12.6 256°.65 0°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.57	+17 50.2	2.015	2.836	13.7	19.6
10 18	3 35.02	+18 1.1	1.924	2.825	10.5	19.3
10 28	3 27.11	+18 6.6	1.856	2.814	6.7	19.1
11 7	3 17.52	+18 7.2	1.816	2.802	2.5	18.8
11 17	3 7.19	+18 4.1	1.805	2.791	1.9	18.7
11 27	2 57.27	+18 0.0	1.823	2.779	6.2	19.0
12 7	2 48.81	+17 58.2	1.869	2.767	10.2	19.2
12 17	2 42.59	+18 1.8	1.939	2.755	13.7	19.4

514965 2009 BJ_{131} 11 12.6 220°.48 2°.8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.76	+26 39.8	2.190	2.985	13.6	22.2
10 18	3 35.08	+26 54.5	2.099	2.979	10.7	22.0
10 28	3 27.10	+26 57.7	2.030	2.971	7.4	21.7
11 7	3 17.50	+26 48.4	1.988	2.964	4.1	21.5
11 17	3 7.22	+26 27.1	1.975	2.956	3.0	21.4
11 27	2 57.39	+25 56.7	1.992	2.947	5.8	21.6
12 7	2 49.03	+25 22.1	2.037	2.939	9.3	21.8
12 17	2 42.88	+24 48.5	2.107	2.930	12.5	22.0

448490 2010 JG_{120} 11 12.6 63°.79 5°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.91	+ 4 42.8	1.672	2.511	15.2	21.0
10 18	3 35.08	+ 4 21.4	1.622	2.528	11.7	20.8
10 28	3 26.94	+ 4 4.8	1.593	2.546	8.1	20.6
11 7	3 17.36	+ 3 57.4	1.591	2.564	5.4	20.5
11 17	3 7.42	+ 4 2.4	1.616	2.582	6.0	20.6
11 27	2 58.32	+ 4 22.0	1.669	2.600	9.0	20.8
12 7	2 51.00	+ 4 56.2	1.747	2.618	12.4	21.0
12 17	2 46.07	+ 5 43.7	1.848	2.636	15.4	21.3

65570 3139 $T\text{-}_2$ 11 12.6 19°.44 2°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.74	+24 46.6	1.858	2.671	15.0	20.0
10 18	3 34.56	+25 8.3	1.781	2.672	11.7	19.8
10 28	3 26.87	+25 18.6	1.725	2.673	8.0	19.6
11 7	3 17.43	+25 16.9	1.696	2.675	4.1	19.4
11 17	3 7.32	+25 3.7	1.694	2.677	3.0	19.3
11 27	2 57.80	+24 42.3	1.721	2.678	6.3	19.5
12 7	2 49.98	+24 17.8	1.774	2.680	10.2	19.7
12 17	2 44.63	+23 55.2	1.852	2.683	13.6	20.0

171311 2006 HM_{44} 11 12.6 251°.58 0°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.11	+17 31.4	1.439	2.278	17.2	21.3
10 18	3 36.97	+17 19.2	1.358	2.269	13.2	21.0
10 28	3 28.72	+16 58.2	1.298	2.259	8.4	20.7
11 7	3 18.20	+16 30.1	1.263	2.250	3.1	20.4
11 17	3 6.71	+15 58.7	1.254	2.239	2.8	20.3
11 27	2 55.86	+15 29.3	1.272	2.229	8.2	20.6
12 7	2 47.10	+15 7.9	1.316	2.218	13.3	20.9
12 17	2 41.35	+14 58.7	1.381	2.208	17.6	21.1

222039 1998 TM_{20} 11 12.6 340°.65 1°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.21	+20 14.1	1.175	2.031	19.2	19.8
10 18	3 33.90	+20 33.0	1.101	2.020	14.9	19.5
10 28	3 27.10	+20 41.3	1.047	2.009	9.7	19.1
11 7	3 17.68	+20 38.9	1.014	2.000	4.0	18.8
11 17	3 7.10	+20 27.4	1.005	1.992	2.8	18.7
11 27	2 57.23	+20 11.6	1.021	1.984	8.6	19.0
12 7	2 49.73	+19 58.0	1.059	1.978	14.1	19.3
12 17	2 45.66	+19 52.2	1.118	1.974	18.8	19.6

199159 2005 YW_{171} 11 12.6 206°.41 3°.7/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.59	+33 15.1	2.767	3.529	11.9	20.6
10 18	3 32.25	+33 6.1	2.672	3.524	9.6	20.4
10 28	3 25.09	+32 42.7	2.600	3.519	7.1	20.2
11 7	3 16.72	+32 4.4	2.554	3.514	4.7	20.1
11 17	3 7.93	+31 12.2	2.539	3.508	3.7	20.0
11 27	2 59.59	+30 9.5	2.553	3.502	5.2	20.1
12 7	2 52.49	+29 1.4	2.597	3.496	7.7	20.2
12 17	2 47.19	+27 53.1	2.668	3.489	10.2	20.4

349675 2008 WD_{77} 11 12.6 33°.84 3°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.44	+ 8 54.8	1.625	2.466	15.5	20.3
10 18	3 35.09	+ 8 40.4	1.557	2.468	11.8	20.0
10 28	3 27.18	+ 8 26.9	1.511	2.470	7.7	19.8
11 7	3 17.54	+ 8 17.8	1.491	2.472	4.2	19.6
11 17	3 7.30	+ 8 16.6	1.498	2.474	4.8	19.7
11 27	2 57.74	+ 8 26.4	1.533	2.476	8.5	19.9
12 7	2 49.98	+ 8 48.8	1.594	2.478	12.5	20.1
12 17	2 44.73	+ 9 23.9	1.676	2.481	16.0	20.4

136378 2004 FF_{24} 11 12.6 60°.64 1°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.72	+22 56.4	1.324	2.158	18.7	19.6
10 18	3 37.16	+22 49.6	1.276	2.181	14.3	19.4
10 28	3 28.53	+22 28.3	1.248	2.205	9.3	19.2
11 7	3 17.99	+21 53.7	1.244	2.228	3.9	19.0
11 17	3 7.04	+21 9.9	1.266	2.252	2.5	19.0
11 27	2 57.28	+20 23.5	1.315	2.276	7.5	19.3
12 7	2 49.93	+19 41.8	1.389	2.300	12.1	19.7
12 17	2 45.65	+19 10.4	1.485	2.323	16.0	20.0

79387 1997 GV_{11} 11 12.6 293°.07 4°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.77	+26 44.3	1.484	2.301	17.9	19.6
10 18	3 37.69	+27 22.6	1.403	2.294	14.3	19.3
10 28	3 29.31	+27 46.9	1.342	2.287	10.0	19.1
11 7	3 18.46	+27 54.2	1.305	2.280	5.8	18.8
11 17	3 6.53	+27 43.5	1.294	2.274	4.4	18.7
11 27	2 55.24	+27 18.4	1.310	2.267	7.9	18.9
12 7	2 46.14	+26 45.7	1.351	2.261	12.4	19.2
12 17	2 40.26	+26 13.3	1.414	2.255	16.5	19.4

504410 2007 XZ_{51} 11 12.6 245°.81 12°.5/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.68	+46 13.1	1.235	1.986	24.3	21.3
10 18	3 42.98	+46 50.5	1.157	1.980	21.4	21.0
10 28	3 33.35	+46 50.7	1.094	1.974	18.1	20.8
11 7	3 20.05	+46 3.0	1.048	1.967	14.8	20.6
11 17	3 5.36	+44 22.0	1.023	1.961	12.7	20.5
11 27	2 52.13	+41 54.2	1.022	1.954	13.1	20.5
12 7	2 42.58	+38 57.5	1.043	1.947	15.8	20.6
12 17	2 37.78	+35 53.7	1.087	1.940	19.4	20.8

265231 2004 DT_{18} 11 12.6 272°.20 3°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.28	+12 15.3	1.604	2.447	15.6	21.0
10 18	3 34.55	+11 27.9	1.514	2.427	11.9	20.7
10 28	3 27.09	+10 34.6	1.446	2.407	7.7	20.5
11 7	3 17.61	+ 9 39.8	1.403	2.386	4.0	20.2
11 17	3 7.22	+ 8 49.7	1.388	2.365	4.8	20.2
11 27	2 57.29	+ 8 10.6	1.400	2.343	9.1	20.4
12 7	2 49.07	+ 7 47.5	1.437	2.322	13.6	20.6
12 17	2 43.47	+ 7 43.2	1.495	2.300	17.6	20.8

515588 2014 JF_{14} 11 12.6 300°.12 3°.8/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.81	+ 8 4.9	1.649	2.489	15.3	21.1
10 18	3 35.57	+ 8 0.7	1.565	2.475	11.8	20.9
10 28	3 27.65	+ 7 58.7	1.504	2.462	7.8	20.6
11 7	3 17.80	+ 8 2.3	1.469	2.449	4.3	20.4
11 17	3 7.10	+ 8 14.4	1.461	2.436	4.9	20.4
11 27	2 56.89	+ 8 37.7	1.480	2.424	8.8	20.6
12 7	2 48.38	+ 9 13.4	1.526	2.411	12.9	20.8
12 17	2 42.44	+10 1.5	1.593	2.399	16.6	21.0

187116 2005 QC_{71} 11 12.6 107°.07 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.56	+21 34.5	1.694	2.513	15.9	21.0
10 18	3 37.30	+21 26.1	1.633	2.532	12.2	20.8
10 28	3 28.46	+21 6.6	1.595	2.550	7.8	20.6
11 7	3 17.98	+20 37.2	1.582	2.567	3.1	20.4
11 17	3 7.06	+20 0.8	1.599	2.585	2.1	20.3
11 27	2 57.04	+19 22.6	1.644	2.601	6.6	20.7
12 7	2 48.98	+18 48.1	1.715	2.617	10.7	20.9
12 17	2 43.56	+18 21.8	1.811	2.633	14.2	21.2

446834 2001 RV_{122} 11 12.6 40°.13 2°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.72	+14 44.7	1.707	2.549	14.8	20.9
10 18	3 32.13	+14 11.0	1.644	2.557	11.2	20.7
10 28	3 25.23	+13 31.7	1.602	2.564	7.0	20.5
11 7	3 16.82	+12 50.5	1.587	2.573	2.9	20.3
11 17	3 7.95	+12 11.8	1.599	2.581	3.3	20.3
11 27	2 59.77	+11 40.5	1.639	2.590	7.4	20.6
12 7	2 53.26	+11 20.4	1.705	2.598	11.3	20.8
12 17	2 49.06	+11 13.9	1.793	2.608	14.7	21.1

494025 2016 AQ_{172} 11 12.6 349°.03 4°.9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.63	+ 4 44.9	2.031	2.871	12.9	20.2
10 18	3 30.25	+ 4 8.7	1.960	2.867	10.0	20.0
10 28	3 23.94	+ 3 35.6	1.913	2.864	7.0	19.8
11 7	3 16.35	+ 3 9.8	1.891	2.861	5.0	19.7
11 17	3 8.29	+ 2 55.4	1.898	2.858	5.8	19.7
11 27	3 0.72	+ 2 55.4	1.932	2.856	8.4	19.9
12 7	2 54.45	+ 3 11.0	1.992	2.855	11.4	20.1
12 17	2 50.11	+ 3 41.8	2.074	2.853	14.2	20.3

363997 2005 UN_{346} 11 12.6 68°.15 0°.7/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.70	+20 2.9	2.026	2.846	13.6	21.7
10 18	3 33.43	+20 8.6	1.953	2.852	10.4	21.5
10 28	3 25.99	+20 6.6	1.903	2.859	6.7	21.3
11 7	3 17.10	+19 57.8	1.880	2.865	2.6	21.0
11 17	3 7.71	+19 43.9	1.886	2.872	1.8	21.0
11 27	2 58.89	+19 27.9	1.921	2.879	5.8	21.3
12 7	2 51.57	+19 13.7	1.984	2.885	9.5	21.5
12 17	2 46.41	+19 4.6	2.071	2.892	12.7	21.7

358291 2006 UZ_{87} 11 12.6 83°.53 1°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.85	+23 46.6	1.939	2.753	14.4	21.2
10 18	3 33.65	+23 44.1	1.867	2.761	11.1	21.1
10 28	3 26.16	+23 30.2	1.818	2.769	7.3	20.8
11 7	3 17.17	+23 5.5	1.795	2.778	3.4	20.6
11 17	3 7.68	+22 32.1	1.801	2.786	2.2	20.6
11 27	2 58.83	+21 54.2	1.835	2.794	5.9	20.8
12 7	2 51.62	+21 17.1	1.897	2.802	9.7	21.1
12 17	2 46.68	+20 45.4	1.983	2.810	13.0	21.3

184257 2004 TF_{96} 11 12.6 37°.37 0°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.99	+17 28.9	3.017	3.835	9.7	20.9
10 18	3 27.72	+17 7.7	2.936	3.837	7.3	20.8
10 28	3 22.12	+16 41.7	2.880	3.838	4.5	20.6
11 7	3 15.64	+16 12.6	2.853	3.840	1.6	20.4
11 17	3 8.87	+15 42.5	2.857	3.842	1.5	20.4
11 27	3 2.42	+15 14.1	2.891	3.843	4.4	20.6
12 7	2 56.89	+14 50.0	2.954	3.845	7.1	20.8
12 17	2 52.70	+14 32.3	3.042	3.847	9.5	21.0

151628 2002 WA_{17} 11 12.6 305°.46 4°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.87	+11 24.4	1.370	2.229	16.8	19.7
10 18	3 32.34	+10 14.8	1.285	2.207	12.9	19.4
10 28	3 25.87	+ 8 57.4	1.222	2.185	8.6	19.1
11 7	3 17.22	+ 7 39.1	1.183	2.164	5.0	18.9
11 17	3 7.58	+ 6 28.4	1.169	2.142	6.2	18.9
11 27	2 58.47	+ 5 34.2	1.181	2.122	10.7	19.1
12 7	2 51.24	+ 5 2.7	1.215	2.101	15.5	19.3
12 17	2 46.86	+ 4 56.2	1.269	2.082	19.7	19.5

18679 Heatherenae 11 12.6 213°.08 1°.4/13.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.21	+23 48.9	1.637	2.457	16.3	18.0
10 18	3 35.95	+23 26.3	1.555	2.454	12.7	17.8
10 28	3 27.89	+22 48.7	1.495	2.449	8.3	17.5
11 7	3 17.87	+21 57.2	1.461	2.445	3.6	17.2
11 17	3 7.13	+20 55.2	1.454	2.439	2.3	17.1
11 27	2 57.08	+19 49.3	1.475	2.434	7.0	17.4
12 7	2 48.96	+18 47.3	1.523	2.428	11.6	17.6
12 17	2 43.59	+17 55.7	1.594	2.422	15.5	17.9

218869 2006 XO_{53} 11 12.6 3°.94 2°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.74	+15 5.0	1.187	2.049	18.7	20.0
10 18	3 33.92	+14 45.9	1.125	2.048	14.2	19.7
10 28	3 26.86	+14 19.8	1.082	2.048	9.0	19.4
11 7	3 17.54	+13 50.5	1.062	2.049	3.5	19.1
11 17	3 7.40	+13 23.0	1.066	2.050	3.7	19.1
11 27	2 58.16	+13 3.2	1.096	2.053	9.2	19.5
12 7	2 51.22	+12 56.2	1.148	2.056	14.3	19.8
12 17	2 47.45	+13 4.5	1.220	2.060	18.6	20.1

63143 2000 XS_{1} 11 12.6 24°.05 4°.7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.60	+ 7 13.8	1.538	2.385	15.9	18.9
10 18	3 34.54	+ 6 50.7	1.474	2.387	12.2	18.7
10 28	3 26.88	+ 6 29.8	1.433	2.390	8.2	18.4
11 7	3 17.48	+ 6 15.6	1.416	2.394	5.0	18.3
11 17	3 7.48	+ 6 12.4	1.426	2.397	5.7	18.3
11 27	2 58.22	+ 6 23.4	1.462	2.401	9.3	18.5
12 7	2 50.80	+ 6 49.7	1.524	2.405	13.2	18.8
12 17	2 45.97	+ 7 30.6	1.606	2.410	16.6	19.0

407166 2009 UR_{34} 11 12.6 64°.50 5°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.08	+ 5 32.5	2.104	2.944	12.5	21.4
10 18	3 29.64	+ 4 13.8	2.047	2.954	9.6	21.2
10 28	3 23.44	+ 2 56.6	2.014	2.964	6.8	21.1
11 7	3 16.15	+ 1 46.5	2.009	2.974	5.2	21.0
11 17	3 8.54	+ 0 49.2	2.032	2.985	6.2	21.1
11 27	3 1.49	+ 0 8.8	2.083	2.995	8.6	21.3
12 7	2 55.74	− 0 12.5	2.159	3.006	11.4	21.5
12 17	2 51.80	− 0 14.9	2.258	3.016	13.8	21.7

86026 1999 LQ_{6} 11 12.6 19°.02 3°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.88	+ 8 12.6	1.500	2.347	16.2	18.1
10 18	3 34.80	+ 8 22.7	1.440	2.354	12.4	17.9
10 28	3 27.05	+ 8 35.9	1.402	2.362	8.1	17.7
11 7	3 17.54	+ 8 54.8	1.389	2.371	4.2	17.5
11 17	3 7.45	+ 9 21.5	1.403	2.381	4.6	17.5
11 27	2 58.14	+ 9 57.4	1.444	2.391	8.5	17.8
12 7	2 50.74	+10 43.1	1.510	2.403	12.5	18.0
12 17	2 45.99	+11 37.8	1.598	2.415	16.1	18.3

55789 1993 RF_{11} 11 12.6 161°.22 3°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.94	+11 25.8	1.781	2.619	14.5	19.8
10 18	3 33.72	+10 28.5	1.712	2.623	11.0	19.5
10 28	3 26.21	+ 9 27.4	1.667	2.626	7.1	19.3
11 7	3 17.20	+ 8 27.5	1.648	2.629	3.9	19.1
11 17	3 7.71	+ 7 34.5	1.657	2.631	4.7	19.2
11 27	2 58.88	+ 6 53.7	1.695	2.633	8.3	19.4
12 7	2 51.68	+ 6 29.0	1.759	2.635	12.0	19.7
12 17	2 46.77	+ 6 21.6	1.845	2.636	15.2	19.9

135977 2002 TN_{298} 11 12.6 38°.69 1°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.51	+23 21.6	1.781	2.604	15.1	20.0
10 18	3 32.84	+23 1.1	1.707	2.607	11.6	19.8
10 28	3 25.76	+22 27.7	1.655	2.610	7.6	19.5
11 7	3 17.06	+21 42.8	1.629	2.613	3.2	19.3
11 17	3 7.83	+20 49.8	1.631	2.617	2.1	19.2
11 27	2 59.26	+19 54.3	1.661	2.620	6.3	19.5
12 7	2 52.41	+19 2.6	1.718	2.624	10.4	19.7
12 17	2 47.95	+18 19.8	1.798	2.628	14.0	20.0

509534 2007 YK_{72} 11 12.6 286°.38 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.32	+12 33.6	1.394	2.242	17.2	21.5
10 18	3 36.51	+12 21.2	1.311	2.226	13.2	21.2
10 28	3 28.56	+12 5.3	1.248	2.211	8.5	20.9
11 7	3 18.24	+11 49.4	1.210	2.195	3.8	20.6
11 17	3 6.85	+11 37.2	1.197	2.179	4.2	20.6
11 27	2 55.99	+11 33.5	1.212	2.164	9.2	20.8
12 7	2 47.15	+11 42.1	1.250	2.148	14.2	21.1
12 17	2 41.34	+12 5.0	1.309	2.133	18.6	21.3

329051 2011 AN_{54} 11 12.6 174°.23 2°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.69	+12 7.3	2.590	3.415	10.9	21.5
10 18	3 30.67	+11 42.7	2.512	3.416	8.2	21.3
10 28	3 24.06	+11 15.8	2.459	3.417	5.2	21.2
11 7	3 16.39	+10 49.3	2.435	3.418	2.5	21.0
11 17	3 8.37	+10 25.7	2.441	3.419	2.9	21.0
11 27	3 0.75	+10 7.9	2.477	3.419	5.7	21.2
12 7	2 54.21	+ 9 58.3	2.541	3.419	8.7	21.4
12 17	2 49.27	+ 9 58.1	2.630	3.419	11.2	21.6

120834 1998 HG_{146} 11 12.6 140°.61 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.51	+15 31.6	2.152	2.973	12.9	21.2
10 18	3 34.54	+15 11.4	2.082	2.984	9.7	21.0
10 28	3 26.57	+14 46.2	2.037	2.995	6.1	20.8
11 7	3 17.32	+14 18.4	2.020	3.006	2.3	20.6
11 17	3 7.68	+13 50.8	2.032	3.015	2.4	20.6
11 27	2 58.64	+13 27.0	2.075	3.025	6.1	20.9
12 7	2 51.04	+13 10.3	2.145	3.033	9.6	21.1
12 17	2 45.48	+13 2.9	2.241	3.041	12.6	21.3

126958 2002 FV_{13} 11 12.6 215°.03 4°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.07	+ 5 25.1	2.242	3.073	12.2	19.6
10 18	3 31.92	+ 4 56.6	2.168	3.071	9.4	19.4
10 28	3 24.95	+ 4 30.6	2.118	3.069	6.5	19.3
11 7	3 16.75	+ 4 10.6	2.095	3.067	4.4	19.1
11 17	3 8.12	+ 4 0.1	2.102	3.065	5.1	19.2
11 27	2 59.95	+ 4 1.6	2.137	3.062	7.7	19.3
12 7	2 53.02	+ 4 16.4	2.198	3.060	10.6	19.5
12 17	2 47.91	+ 4 44.4	2.284	3.057	13.2	19.7

177687 2005 EX_{267} 11 12.6 139°.20 1°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.27	+22 33.7	1.717	2.534	15.9	21.3
10 18	3 37.20	+22 18.9	1.648	2.544	12.2	21.0
10 28	3 28.51	+21 51.8	1.601	2.555	7.9	20.8
11 7	3 18.09	+21 13.4	1.580	2.564	3.3	20.6
11 17	3 7.13	+20 27.0	1.587	2.573	2.1	20.5
11 27	2 56.99	+19 38.0	1.623	2.581	6.6	20.8
12 7	2 48.77	+18 52.7	1.687	2.589	10.9	21.1
12 17	2 43.19	+18 16.3	1.774	2.596	14.5	21.3

22698 1998 RA_5 11 12.6 98°.35 2°.8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.37	+27 33.7	2.254	3.051	13.2	18.7
10 18	3 32.39	+27 35.5	2.172	3.052	10.4	18.5
10 28	3 25.35	+27 24.8	2.113	3.054	7.2	18.3
11 7	3 16.93	+27 1.4	2.081	3.056	4.0	18.1
11 17	3 8.00	+26 26.8	2.077	3.057	2.9	18.0
11 27	2 59.59	+25 44.4	2.102	3.059	5.5	18.2
12 7	2 52.58	+24 59.3	2.156	3.060	8.7	18.4
12 17	2 47.61	+24 16.4	2.234	3.062	11.7	18.6

312931 2011 WY_{66} 11 12.6 12°.64 0°.9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.39	+14 52.2	0.972	1.851	20.4	19.1
10 18	3 31.73	+15 19.1	0.929	1.861	15.4	18.8
10 28	3 25.58	+15 41.5	0.904	1.873	9.7	18.6
11 7	3 17.10	+16 0.8	0.900	1.888	3.5	18.3
11 17	3 7.93	+16 18.9	0.919	1.905	3.0	18.3
11 27	2 59.91	+16 39.0	0.961	1.924	8.9	18.7
12 7	2 54.46	+17 4.4	1.024	1.946	14.1	19.1
12 17	2 52.36	+17 36.9	1.107	1.970	18.5	19.4

328948 2010 VQ_{71} 11 12.6 11°.86 2°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.99	+12 8.8	1.146	2.007	19.2	20.0
10 18	3 36.48	+12 8.1	1.086	2.009	14.7	19.7
10 28	3 28.55	+12 5.4	1.046	2.010	9.4	19.4
11 7	3 18.22	+12 4.1	1.027	2.013	4.0	19.1
11 17	3 7.02	+12 7.8	1.034	2.017	4.3	19.2
11 27	2 56.77	+12 20.1	1.065	2.021	9.6	19.5
12 7	2 48.98	+12 43.9	1.119	2.026	14.7	19.8
12 17	2 44.55	+13 20.1	1.193	2.031	19.1	20.1

189810 2002 LJ_{32} 11 12.6 100°.83 3°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.12	+ 7 31.4	2.410	3.241	11.4	20.5
10 18	3 30.21	+ 6 36.1	2.352	3.256	8.6	20.3
10 28	3 23.73	+ 5 41.3	2.318	3.271	5.9	20.2
11 7	3 16.27	+ 4 51.1	2.313	3.286	4.0	20.1
11 17	3 8.56	+ 4 9.5	2.337	3.300	4.6	20.1
11 27	3 1.37	+ 3 39.8	2.391	3.314	7.1	20.3
12 7	2 55.35	+ 3 23.9	2.471	3.328	9.7	20.5
12 17	2 50.97	+ 3 22.4	2.575	3.342	12.1	20.7

256471 2007 DE_{38} 11 12.6 36°.17 1°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.22	+23 47.9	2.138	2.949	13.3	20.9
10 18	3 32.33	+23 43.7	2.057	2.950	10.3	20.7
10 28	3 25.35	+23 29.0	2.000	2.951	6.8	20.5
11 7	3 16.95	+23 4.3	1.969	2.951	3.2	20.2
11 17	3 8.04	+22 31.4	1.967	2.952	2.1	20.2
11 27	2 59.65	+21 54.3	1.994	2.953	5.5	20.4
12 7	2 52.67	+21 17.5	2.049	2.953	9.1	20.6
12 17	2 47.77	+20 45.5	2.129	2.954	12.3	20.8

332842 2010 EP_{12} 11 12.6 45°.46 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.97	+22 9.1	1.578	2.408	16.4	20.6
10 18	3 34.22	+21 54.2	1.508	2.413	12.6	20.4
10 28	3 26.77	+21 26.6	1.461	2.418	8.1	20.1
11 7	3 17.50	+20 47.9	1.438	2.423	3.3	19.8
11 17	3 7.63	+20 1.5	1.442	2.428	2.2	19.8
11 27	2 58.53	+19 13.2	1.474	2.433	6.9	20.1
12 7	2 51.36	+18 29.6	1.531	2.439	11.4	20.4
12 17	2 46.85	+17 55.8	1.612	2.445	15.2	20.6

265968 2006 DO_1 11 12.6 267°.75 0°.6/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.38	+16 59.1	2.304	3.127	12.1	21.3
10 18	3 31.55	+16 46.8	2.215	3.118	9.2	21.1
10 28	3 24.81	+16 29.1	2.151	3.109	5.8	20.9
11 7	3 16.76	+16 7.5	2.114	3.100	2.1	20.6
11 17	3 8.18	+15 44.3	2.106	3.091	1.9	20.6
11 27	2 59.98	+15 22.8	2.129	3.082	5.7	20.8
12 7	2 53.01	+15 6.3	2.179	3.073	9.2	21.0
12 17	2 47.88	+14 57.4	2.254	3.064	12.2	21.2

161954 2007 HB_{18} 11 12.6 132°.64 1°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.00	+16 17.9	1.937	2.762	14.0	21.6
10 18	3 35.11	+15 52.6	1.870	2.774	10.6	21.4
10 28	3 27.03	+15 21.0	1.826	2.785	6.6	21.2
11 7	3 17.54	+14 45.8	1.810	2.796	2.5	21.0
11 17	3 7.63	+14 10.4	1.823	2.807	2.5	21.0
11 27	2 58.40	+13 39.2	1.866	2.817	6.6	21.3
12 7	2 50.78	+13 16.1	1.935	2.826	10.3	21.5
12 17	2 45.39	+13 3.7	2.029	2.835	13.5	21.8

186791 2004 ER_{13} 11 12.6 105°.03 1°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.53	+22 16.0	1.643	2.461	16.4	20.3
10 18	3 38.26	+22 28.3	1.580	2.477	12.6	20.1
10 28	3 29.23	+22 29.6	1.539	2.492	8.2	19.9
11 7	3 18.38	+22 19.8	1.523	2.506	3.6	19.7
11 17	3 6.98	+22 0.6	1.536	2.521	2.4	19.6
11 27	2 56.45	+21 36.2	1.576	2.535	6.7	19.9
12 7	2 47.96	+21 12.1	1.644	2.548	11.0	20.2
12 17	2 42.24	+20 53.2	1.735	2.562	14.6	20.5

209159 2003 UF_{50} 11 12.6 5°.22 7°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.20	+32 53.5	1.446	2.250	18.9	19.4
10 18	3 35.94	+33 48.1	1.375	2.250	15.6	19.2
10 28	3 28.29	+34 23.2	1.323	2.250	11.9	19.0
11 7	3 18.19	+34 34.1	1.293	2.252	8.4	18.8
11 17	3 7.07	+34 18.9	1.287	2.254	7.0	18.7
11 27	2 56.75	+33 41.4	1.307	2.257	8.9	18.9
12 7	2 48.77	+32 49.8	1.351	2.261	12.4	19.1
12 17	2 44.12	+31 53.9	1.417	2.265	16.0	19.3

378082 2006 UW_{82} 11 12.6 32°.20 2°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.63	+24 10.2	1.122	1.970	20.5	20.5
10 18	3 35.57	+24 14.6	1.069	1.981	15.9	20.3
10 28	3 27.97	+24 1.5	1.034	1.992	10.5	20.0
11 7	3 18.00	+23 31.3	1.021	2.005	4.9	19.8
11 17	3 7.31	+22 47.5	1.033	2.018	3.2	19.7
11 27	2 57.80	+21 57.8	1.069	2.032	8.3	20.1
12 7	2 50.93	+21 11.1	1.128	2.047	13.4	20.4
12 17	2 47.50	+20 34.7	1.208	2.063	17.8	20.7

482570 2012 WP_{16} 11 12.6 352°.71 3°.2/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.70	+24 44.5	1.037	1.902	20.5	20.1
10 18	3 29.33	+24 59.5	0.970	1.891	16.2	19.8
10 28	3 24.40	+24 55.8	0.920	1.881	11.0	19.5
11 7	3 16.83	+24 32.9	0.890	1.873	5.5	19.2
11 17	3 8.13	+23 53.2	0.882	1.867	3.7	19.0
11 27	3 0.26	+23 3.8	0.897	1.864	8.7	19.3
12 7	2 54.89	+22 14.7	0.934	1.863	14.2	19.6
12 17	2 53.02	+21 34.5	0.989	1.864	19.1	19.9

43716 1096 $T\text{-}_3$ 11 12.6 117°.35 0°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.93	+20 38.9	2.016	2.835	13.7	19.1
10 18	3 33.46	+19 49.7	1.949	2.849	10.4	18.9
10 28	3 25.94	+18 49.9	1.906	2.863	6.5	18.7
11 7	3 17.13	+17 42.7	1.890	2.876	2.4	18.4
11 17	3 7.99	+16 32.5	1.904	2.889	2.0	18.4
11 27	2 59.55	+15 25.4	1.947	2.902	6.1	18.7
12 7	2 52.66	+14 26.6	2.019	2.914	9.8	19.0
12 17	2 47.89	+13 40.2	2.115	2.925	12.9	19.2

493956 2016 AL_{46} 11 12.6 280°.68 2°.7/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.98	+10 40.7	2.370	3.202	11.5	21.3
10 18	3 30.39	+10 12.2	2.284	3.191	8.8	21.1
10 28	3 24.03	+ 9 42.0	2.222	3.180	5.7	20.9
11 7	3 16.48	+ 9 13.0	2.188	3.169	3.0	20.7
11 17	3 8.44	+ 8 48.5	2.183	3.158	3.5	20.7
11 27	3 0.76	+ 8 31.8	2.208	3.148	6.5	20.9
12 7	2 54.22	+ 8 25.1	2.259	3.137	9.7	21.1
12 17	2 49.38	+ 8 29.9	2.335	3.126	12.5	21.3

227010 2004 XD_{124} 11 12.6 310°.41 8°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.73	+40 2.3	2.071	2.813	15.9	19.9
10 18	3 36.77	+41 10.9	1.970	2.792	13.8	19.7
10 28	3 28.78	+42 2.2	1.889	2.772	11.4	19.5
11 7	3 18.42	+42 30.8	1.831	2.751	9.4	19.3
11 17	3 6.84	+42 32.9	1.799	2.731	8.5	19.2
11 27	2 55.55	+42 8.8	1.792	2.712	9.3	19.3
12 7	2 46.03	+41 23.6	1.811	2.692	11.5	19.3
12 17	2 39.37	+40 25.4	1.853	2.673	14.1	19.5

149646 2004 FX_{34} 11 12.7 315°.01 1°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.27	+18 11.6	1.369	2.218	17.4	19.9
10 18	3 33.36	+17 23.3	1.293	2.210	13.2	19.6
10 28	3 26.47	+16 22.2	1.238	2.202	8.4	19.4
11 7	3 17.48	+15 12.4	1.207	2.194	3.1	19.0
11 17	3 7.67	+14 0.6	1.202	2.186	3.3	19.0
11 27	2 58.59	+12 55.1	1.223	2.179	8.6	19.3
12 7	2 51.54	+12 3.6	1.269	2.172	13.6	19.6
12 17	2 47.40	+11 30.9	1.335	2.166	17.9	19.8

99267 2001 OJ_{84} 11 12.7 260°.91 10°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.87	−17 20.0	2.473	3.244	12.9	19.6
10 18	3 32.40	−18 13.8	2.415	3.236	11.6	19.5
10 28	3 25.19	−18 51.1	2.378	3.227	10.7	19.4
11 7	3 16.87	−19 6.3	2.364	3.219	10.4	19.4
11 17	3 8.18	−18 55.9	2.376	3.211	11.0	19.4
11 27	2 59.97	−18 18.5	2.411	3.202	12.2	19.5
12 7	2 52.96	−17 16.0	2.468	3.194	13.6	19.6
12 17	2 47.70	−15 52.1	2.545	3.185	15.1	19.7

348325 2005 CU_{42} 11 12.7 301°.28 5°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.81	+32 0.6	1.692	2.488	16.9	20.6
10 18	3 35.25	+32 23.7	1.604	2.477	13.8	20.4
10 28	3 27.71	+32 28.5	1.535	2.465	10.3	20.1
11 7	3 17.98	+32 12.0	1.490	2.454	6.9	19.9
11 17	3 7.29	+31 33.8	1.471	2.443	5.5	19.8
11 27	2 57.18	+30 37.9	1.479	2.432	7.7	19.9
12 7	2 49.03	+29 32.4	1.513	2.422	11.4	20.1
12 17	2 43.77	+28 25.9	1.570	2.411	15.1	20.3

52905 1998 SN_{75} 11 12.7 37°.11 3°.3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.55	+13 20.5	1.031	1.900	20.3	18.1
10 18	3 35.16	+12 44.2	0.996	1.922	15.2	17.9
10 28	3 27.45	+12 3.3	0.979	1.946	9.5	17.6
11 7	3 17.73	+11 23.7	0.985	1.970	4.3	17.4
11 17	3 7.65	+10 51.8	1.014	1.996	4.8	17.5
11 27	2 58.92	+10 33.5	1.068	2.022	9.8	17.9
12 7	2 52.79	+10 32.1	1.144	2.049	14.6	18.3
12 17	2 49.87	+10 48.0	1.240	2.077	18.5	18.6

287816 2003 SV_{187} 11 12.7 343°.82 1°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.39	+23 44.0	2.159	2.973	13.1	20.4
10 18	3 30.92	+23 17.9	2.077	2.972	10.1	20.2
10 28	3 24.45	+22 40.1	2.018	2.971	6.6	20.0
11 7	3 16.64	+21 52.2	1.986	2.969	2.9	19.7
11 17	3 8.37	+20 57.1	1.982	2.968	1.8	19.7
11 27	3 0.62	+19 59.6	2.009	2.967	5.5	19.9
12 7	2 54.23	+19 5.0	2.063	2.966	9.1	20.1
12 17	2 49.83	+18 18.0	2.142	2.966	12.2	20.3

523441 2017 FM_5 11 12.7 278°.41 3°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.51	+ 9 42.6	2.177	3.014	12.2	21.4
10 18	3 30.11	+ 8 46.2	2.100	3.009	9.3	21.2
10 28	3 23.88	+ 7 47.6	2.048	3.005	6.2	21.0
11 7	3 16.43	+ 6 51.2	2.023	3.000	3.8	20.9
11 17	3 8.54	+ 6 1.8	2.026	2.995	4.6	20.9
11 27	3 1.11	+ 5 23.8	2.059	2.991	7.5	21.1
12 7	2 54.92	+ 5 0.3	2.118	2.986	10.6	21.3
12 17	2 50.53	+ 4 52.4	2.200	2.982	13.4	21.5

521835 2015 TS_{370} 11 12.7 56°.61 3°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.60	+10 21.8	1.712	2.553	14.8	20.9
10 18	3 33.43	+ 9 52.8	1.658	2.570	11.2	20.7
10 28	3 26.02	+ 9 22.9	1.628	2.587	7.2	20.5
11 7	3 17.19	+ 8 56.1	1.623	2.605	3.8	20.4
11 17	3 8.01	+ 8 36.3	1.646	2.622	4.4	20.5
11 27	2 59.59	+ 8 27.2	1.697	2.640	7.9	20.7
12 7	2 52.87	+ 8 30.8	1.774	2.658	11.5	21.0
12 17	2 48.45	+ 8 47.6	1.873	2.676	14.6	21.2

81477 2000 GU_{141} 11 12.7 176°.51 5°.9/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.55	+ 2 9.7	2.196	3.026	12.4	20.0
10 18	3 31.53	+ 1 2.3	2.129	3.027	9.8	19.8
10 28	3 24.71	− 0 1.5	2.088	3.028	7.3	19.6
11 7	3 16.72	− 0 56.1	2.073	3.029	6.0	19.6
11 17	3 8.34	− 1 36.5	2.087	3.030	6.8	19.6
11 27	3 0.46	− 1 59.3	2.128	3.030	9.1	19.8
12 7	2 53.85	− 2 2.8	2.195	3.029	11.7	19.9
12 17	2 49.05	− 1 47.9	2.285	3.029	14.1	20.1

449624 2014 KC_3 11 12.7 196°.20 2°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.90	+10 56.0	2.134	2.959	12.9	21.6
10 18	3 34.99	+10 45.9	2.054	2.957	9.8	21.4
10 28	3 27.01	+10 34.7	1.997	2.954	6.3	21.1
11 7	3 17.60	+10 24.9	1.969	2.952	3.0	20.9
11 17	3 7.65	+10 19.0	1.970	2.948	3.4	21.0
11 27	2 58.18	+10 19.7	2.001	2.945	6.8	21.2
12 7	2 50.10	+10 29.1	2.060	2.940	10.3	21.4
12 17	2 44.05	+10 48.2	2.143	2.936	13.3	21.6

391114 2005 VL_{41} 11 12.7 288°.01 1°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.41	+15 34.6	1.573	2.415	15.8	21.7
10 18	3 34.02	+15 2.6	1.484	2.398	12.1	21.4
10 28	3 26.85	+14 22.6	1.418	2.380	7.7	21.1
11 7	3 17.66	+13 37.8	1.376	2.362	3.1	20.8
11 17	3 7.57	+12 53.0	1.361	2.344	3.4	20.8
11 27	2 57.96	+12 14.2	1.374	2.327	8.2	21.0
12 7	2 50.11	+11 47.1	1.412	2.309	12.9	21.2
12 17	2 44.92	+11 35.2	1.471	2.291	17.0	21.4

32118 2000 LW_5 11 12.7 157°.13 1°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.78	+22 59.4	1.880	2.692	14.9	19.7
10 18	3 35.99	+22 50.2	1.804	2.698	11.4	19.5
10 28	3 27.76	+22 29.4	1.751	2.703	7.5	19.3
11 7	3 17.89	+21 57.7	1.724	2.708	3.2	19.1
11 17	3 7.46	+21 17.6	1.726	2.712	2.1	19.0
11 27	2 57.70	+20 33.9	1.757	2.715	6.2	19.3
12 7	2 49.66	+19 52.2	1.816	2.718	10.2	19.5
12 17	2 44.06	+19 17.5	1.899	2.721	13.7	19.8

298495 2003 UB_{287} 11 12.7 275°.53 0°.8/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.39	+18 18.0	1.842	2.674	14.3	21.2
10 18	3 32.82	+17 44.0	1.753	2.660	10.9	20.9
10 28	3 25.87	+17 0.4	1.687	2.647	6.9	20.7
11 7	3 17.25	+16 9.8	1.647	2.633	2.5	20.4
11 17	3 7.93	+15 16.3	1.635	2.619	2.4	20.3
11 27	2 59.09	+14 25.5	1.651	2.606	6.9	20.6
12 7	2 51.80	+13 43.0	1.694	2.592	11.1	20.8
12 17	2 46.79	+13 12.9	1.761	2.578	14.8	21.0

240609 2004 XZ_6 11 12.7 8°.63 1°.8/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.06	+20 35.2	1.072	1.935	20.1	19.0
10 18	3 33.09	+21 4.7	1.015	1.937	15.5	18.7
10 28	3 26.59	+21 22.9	0.977	1.941	10.1	18.4
11 7	3 17.60	+21 29.3	0.961	1.946	4.3	18.1
11 17	3 7.70	+21 25.5	0.967	1.954	2.9	18.1
11 27	2 58.79	+21 16.2	0.998	1.963	8.5	18.4
12 7	2 52.43	+21 7.7	1.051	1.974	13.8	18.8
12 17	2 49.50	+21 5.4	1.123	1.986	18.2	19.1

178502 1999 TE_{141} 11 12.7 39°.55 1°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.99	+21 7.6	1.099	1.951	20.5	19.6
10 18	3 37.27	+21 23.6	1.052	1.968	15.7	19.3
10 28	3 29.00	+21 26.4	1.024	1.985	10.2	19.1
11 7	3 18.40	+21 16.4	1.018	2.003	4.2	18.8
11 17	3 7.16	+20 56.5	1.036	2.022	2.8	18.8
11 27	2 57.19	+20 32.5	1.079	2.042	8.3	19.2
12 7	2 49.94	+20 11.6	1.145	2.062	13.5	19.5
12 17	2 46.17	+19 59.2	1.232	2.083	17.8	19.9

366288 2013 BA_5 11 12.7 268°.54 0°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.83	+20 31.6	1.945	2.768	14.0	21.4
10 18	3 33.11	+20 1.8	1.850	2.752	10.8	21.1
10 28	3 26.04	+19 21.1	1.777	2.735	6.9	20.8
11 7	3 17.32	+18 31.1	1.732	2.718	2.6	20.5
11 17	3 7.88	+17 35.5	1.714	2.700	2.0	20.5
11 27	2 58.88	+16 39.6	1.726	2.683	6.5	20.7
12 7	2 51.35	+15 49.2	1.766	2.665	10.6	20.9
12 17	2 46.07	+15 9.3	1.829	2.647	14.3	21.1

284958 2010 EH_{137} 11 12.7 351°.86 3°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.28	+13 3.5	1.558	2.406	15.7	19.9
10 18	3 32.90	+12 22.2	1.488	2.404	11.9	19.7
10 28	3 25.96	+11 35.7	1.440	2.403	7.6	19.4
11 7	3 17.27	+10 48.7	1.417	2.402	3.6	19.2
11 17	3 7.97	+10 6.4	1.421	2.401	4.2	19.2
11 27	2 59.33	+ 9 34.6	1.452	2.400	8.4	19.5
12 7	2 52.48	+ 9 17.4	1.508	2.400	12.6	19.7
12 17	2 48.15	+ 9 16.7	1.586	2.400	16.3	20.0

381725 2009 RP_5 11 12.7 68°.69 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.29	+21 16.7	1.363	2.198	18.3	20.9
10 18	3 37.49	+20 55.3	1.316	2.223	13.8	20.7
10 28	3 28.75	+20 21.1	1.289	2.248	8.8	20.5
11 7	3 18.22	+19 36.4	1.287	2.273	3.3	20.3
11 17	3 7.34	+18 46.0	1.312	2.298	2.3	20.3
11 27	2 57.63	+17 56.8	1.364	2.323	7.4	20.6
12 7	2 50.26	+17 15.4	1.441	2.348	12.0	21.0
12 17	2 45.86	+16 46.4	1.540	2.372	15.8	21.3

340873 2007 BX_{76} 11 12.7 190°.49 1°.8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.66	+15 9.2	1.894	2.722	14.1	21.6
10 18	3 35.07	+14 36.1	1.815	2.721	10.7	21.3
10 28	3 27.16	+13 56.9	1.760	2.720	6.8	21.1
11 7	3 17.69	+13 14.6	1.732	2.718	2.7	20.9
11 17	3 7.65	+12 33.2	1.733	2.715	3.0	20.9
11 27	2 58.20	+11 57.6	1.763	2.712	7.1	21.1
12 7	2 50.33	+11 32.0	1.820	2.708	11.0	21.4
12 17	2 44.74	+11 19.1	1.901	2.704	14.4	21.6

35535 1998 FS_{77} 11 12.7 127°.16 3°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.84	+ 9 30.5	1.953	2.787	13.5	18.7
10 18	3 33.41	+ 8 34.9	1.891	2.798	10.3	18.5
10 28	3 25.94	+ 7 38.0	1.853	2.809	6.8	18.3
11 7	3 17.19	+ 6 44.4	1.843	2.820	4.1	18.2
11 17	3 8.07	+ 5 59.3	1.861	2.830	4.9	18.2
11 27	2 59.61	+ 5 27.0	1.908	2.840	8.0	18.4
12 7	2 52.65	+ 5 10.1	1.981	2.850	11.2	18.7
12 17	2 47.77	+ 5 9.3	2.078	2.859	14.1	18.9

155897 2001 FD_{116} 11 12.7 298°.12 2°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.61	+12 51.2	2.164	2.997	12.4	20.0
10 18	3 31.01	+12 23.2	2.083	2.992	9.4	19.8
10 28	3 24.51	+11 51.8	2.026	2.986	6.0	19.6
11 7	3 16.70	+11 20.0	1.997	2.981	2.8	19.4
11 17	3 8.41	+10 51.3	1.996	2.976	3.2	19.4
11 27	3 0.55	+10 29.1	2.025	2.970	6.6	19.6
12 7	2 53.97	+10 16.6	2.080	2.965	10.0	19.8
12 17	2 49.26	+10 15.4	2.159	2.960	13.0	20.0

429807 2012 JT_{20} 11 12.7 207°.69 0°.2/12.6 18

10 8	3 43.24	+18 29.2	1.674	2.500	15.8	21.8
10 18	3 37.46	+18 24.0	1.593	2.496	12.1	21.5
10 28	3 28.91	+18 10.4	1.534	2.492	7.7	21.3
11 7	3 18.40	+17 49.8	1.501	2.487	2.8	21.0
11 17	3 7.10	+17 24.6	1.496	2.482	2.2	20.9
11 27	2 56.42	+16 59.4	1.520	2.476	7.2	21.2
12 7	2 47.59	+16 39.1	1.570	2.470	11.7	21.5
12 17	2 41.46	+16 27.8	1.643	2.463	15.6	21.7

521117 2015 DP_{246} 11 12.7 141°.46 1°.8/11.5 16

10 8	3 40.61	+16 28.7	1.683	2.516	15.4	22.0
10 18	3 35.17	+15 38.1	1.615	2.524	11.6	21.8
10 28	3 27.25	+14 39.0	1.570	2.531	7.3	21.5
11 7	3 17.72	+13 35.4	1.552	2.538	2.9	21.3
11 17	3 7.70	+12 33.1	1.562	2.544	3.2	21.3
11 27	2 58.44	+11 38.2	1.600	2.550	7.6	21.6
12 7	2 50.99	+10 56.2	1.665	2.555	11.7	21.9
12 17	2 46.02	+10 30.1	1.752	2.560	15.2	22.1

334255 2001 TO_{218} 11 12.7 53°.28 3°.1/11.4 18

10 8	3 41.93	+11 22.7	1.356	2.205	17.5	19.5
10 18	3 36.52	+11 10.7	1.304	2.220	13.2	19.3
10 28	3 28.24	+10 57.3	1.273	2.235	8.4	19.1
11 7	3 18.09	+10 46.1	1.266	2.250	3.9	18.8
11 17	3 7.44	+10 40.7	1.286	2.266	4.3	18.9
11 27	2 57.77	+10 44.9	1.332	2.282	8.7	19.2
12 7	2 50.28	+11 0.7	1.403	2.299	13.1	19.5
12 17	2 45.67	+11 28.9	1.495	2.315	16.8	19.8

171278 2006 FS_{27} 11 12.7 54°.15 0°.2/12.6 17

10 8	3 43.42	+18 25.1	1.118	1.971	20.2	19.4
10 18	3 38.19	+18 20.5	1.072	1.989	15.3	19.2
10 28	3 29.50	+18 5.4	1.045	2.008	9.6	18.9
11 7	3 18.59	+17 42.1	1.041	2.028	3.5	18.7
11 17	3 7.14	+17 14.7	1.061	2.048	2.7	18.7
11 27	2 56.98	+16 49.5	1.107	2.068	8.6	19.1
12 7	2 49.50	+16 32.6	1.177	2.088	13.7	19.4
12 17	2 45.43	+16 27.7	1.267	2.109	17.9	19.8

45232 1999 XZ_{215} 11 12.7 61°.02 5°.2/16.4 18

10 8	3 41.63	+33 47.2	1.633	2.422	17.7	18.1
10 18	3 36.23	+33 45.3	1.575	2.443	14.3	17.9
10 28	3 28.00	+33 21.3	1.537	2.465	10.5	17.8
11 7	3 17.99	+32 34.0	1.523	2.486	6.9	17.6
11 17	3 7.58	+31 26.2	1.536	2.508	5.3	17.6
11 27	2 58.22	+30 4.5	1.576	2.530	7.2	17.7
12 7	2 51.05	+28 38.5	1.642	2.552	10.6	18.0
12 17	2 46.72	+27 16.9	1.733	2.574	13.9	18.2

3316 Herzberg 11 12.7 221°.54 1°.7/11.2 18

10 8	3 34.67	+14 37.8	2.560	3.385	11.0	17.3
10 18	3 30.03	+13 55.0	2.475	3.379	8.3	17.1
10 28	3 23.76	+13 7.4	2.415	3.374	5.2	16.9
11 7	3 16.43	+12 17.7	2.383	3.368	2.3	16.7
11 17	3 8.70	+11 29.5	2.382	3.362	2.6	16.7
11 27	3 1.36	+10 46.7	2.411	3.356	5.7	16.9
12 7	2 55.09	+10 12.6	2.468	3.350	8.8	17.1
12 17	2 50.43	+ 9 49.4	2.550	3.343	11.5	17.3

337175 1999 VZ_{62} 11 12.7 350°.64 0°.2/12.7 18

10 8	3 34.61	+17 28.5	1.144	2.010	18.9	19.8
10 18	3 31.96	+17 46.1	1.074	1.999	14.5	19.5
10 28	3 25.97	+17 56.5	1.023	1.989	9.3	19.2
11 7	3 17.48	+18 0.6	0.993	1.980	3.5	18.8
11 17	3 7.90	+18 0.5	0.987	1.974	2.6	18.7
11 27	2 59.03	+18 0.5	1.006	1.969	8.6	19.1
12 7	2 52.45	+18 5.4	1.046	1.967	14.1	19.4
12 17	2 49.16	+18 19.0	1.107	1.966	18.7	19.6

222378 2001 BE_{29} 11 12.7 306°.43 3°.7/15.4 17

10 8	3 37.27	+30 21.3	2.110	2.901	14.2	19.9
10 18	3 32.62	+30 20.0	2.022	2.895	11.4	19.7
10 28	3 25.70	+30 3.1	1.956	2.890	8.2	19.5
11 7	3 17.22	+29 30.0	1.915	2.885	5.0	19.3
11 17	3 8.14	+28 42.0	1.903	2.880	3.7	19.2
11 27	2 59.59	+27 43.3	1.919	2.875	6.0	19.4
12 7	2 52.55	+26 40.1	1.963	2.870	9.3	19.6
12 17	2 47.74	+25 38.7	2.032	2.865	12.5	19.8

65753 1994 CZ_{17} 11 12.7 200°.69 6°.5/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.33	+ 2 8.2	1.924	2.757	13.7	20.2
10 18	3 33.18	+ 1 1.7	1.855	2.755	10.8	20.0
10 28	3 25.93	− 0 0.9	1.810	2.753	8.1	19.9
11 7	3 17.27	− 0 53.2	1.792	2.750	6.6	19.8
11 17	3 8.13	− 1 29.6	1.801	2.746	7.5	19.8
11 27	2 59.53	− 1 46.1	1.837	2.743	10.0	20.0
12 7	2 52.40	− 1 41.4	1.898	2.739	12.9	20.1
12 17	2 47.35	− 1 16.6	1.981	2.735	15.6	20.3

121766 1999 YG_{15} 11 12.7 29°.78 0°.9/12.1 18

10 8	3 35.70	+17 25.9	1.898	2.732	13.9	19.8
10 18	3 31.29	+16 58.0	1.829	2.738	10.5	19.6
10 28	3 24.76	+16 22.8	1.783	2.744	6.6	19.3
11 7	3 16.84	+15 43.0	1.764	2.750	2.4	19.1
11 17	3 8.47	+15 2.4	1.772	2.757	2.3	19.1
11 27	3 0.70	+14 25.6	1.810	2.764	6.4	19.4
12 7	2 54.43	+13 56.9	1.874	2.772	10.2	19.6
12 17	2 50.27	+13 39.1	1.961	2.780	13.4	19.9

29606 1998 QN_{94} 11 12.7 208°.55 11°.4/ 3.3 18

10 8	3 39.65	−12 1.1	1.993	2.793	14.6	19.0
10 18	3 34.17	−13 55.6	1.936	2.787	12.8	18.9
10 28	3 26.55	−15 35.9	1.903	2.780	11.6	18.8
11 7	3 17.50	−16 53.2	1.894	2.772	11.5	18.8
11 17	3 7.96	−17 40.5	1.910	2.764	12.4	18.9
11 27	2 58.95	−17 54.6	1.949	2.755	14.1	19.0
12 7	2 51.41	−17 36.3	2.009	2.745	16.0	19.1
12 17	2 45.98	−16 49.5	2.086	2.734	17.8	19.2

292957 2006 VO_{111} 11 12.7 81°.52 2°.9/14.9 18

10 8	3 38.33	+29 9.1	1.973	2.770	14.8	20.8
10 18	3 33.34	+28 46.5	1.899	2.779	11.7	20.6
10 28	3 26.06	+28 7.2	1.847	2.787	8.1	20.4
11 7	3 17.32	+27 11.9	1.821	2.796	4.5	20.2
11 17	3 8.13	+26 3.6	1.823	2.805	3.0	20.2
11 27	2 59.66	+24 48.0	1.855	2.813	5.9	20.4
12 7	2 52.84	+23 32.3	1.914	2.822	9.5	20.6
12 17	2 48.32	+22 23.0	1.998	2.830	12.7	20.8

369806 2012 HU_{41} 11 12.7 185°.62 3°.9/ 8.9 18

10 8	3 33.89	+ 6 21.0	2.848	3.674	10.0	21.6
10 18	3 29.21	+ 5 15.9	2.773	3.674	7.7	21.5
10 28	3 23.16	+ 4 10.8	2.724	3.673	5.4	21.3
11 7	3 16.21	+ 3 9.9	2.705	3.672	3.9	21.2
11 17	3 8.96	+ 2 17.0	2.716	3.671	4.6	21.3
11 27	3 2.07	+ 1 35.6	2.756	3.669	6.7	21.4
12 7	2 56.13	+ 1 7.9	2.824	3.667	9.1	21.6
12 17	2 51.58	+ 0 54.5	2.916	3.664	11.2	21.7

287230 2002 TA_{21} 11 12.7 50°.96 1°.0/13.1 18

10 8	3 42.80	+20 7.2	1.494	2.326	17.1	19.9
10 18	3 37.00	+20 21.8	1.446	2.351	13.0	19.7
10 28	3 28.45	+20 26.9	1.420	2.378	8.3	19.5
11 7	3 18.19	+20 23.0	1.419	2.404	3.3	19.3
11 17	3 7.54	+20 12.2	1.445	2.431	2.2	19.3
11 27	2 57.90	+19 58.6	1.499	2.458	6.9	19.6
12 7	2 50.41	+19 46.9	1.578	2.486	11.1	20.0
12 17	2 45.70	+19 41.2	1.681	2.513	14.7	20.3

389483 2010 EB_{110} 11 12.7 215°.14 5°.0/15.4 18

10 8	3 43.05	+30 39.0	1.807	2.597	16.2	21.4
10 18	3 37.49	+31 16.1	1.725	2.596	13.1	21.2
10 28	3 29.05	+31 37.7	1.664	2.594	9.6	21.0
11 7	3 18.54	+31 40.8	1.628	2.592	6.3	20.8
11 17	3 7.17	+31 24.6	1.619	2.590	5.1	20.7
11 27	2 56.40	+30 52.2	1.637	2.588	7.3	20.9
12 7	2 47.54	+30 9.9	1.683	2.586	10.8	21.1
12 17	2 41.48	+29 25.3	1.752	2.584	14.2	21.3

144706 2004 GF_{18} 11 12.7 267°.63 1°.2/12.1 18

10 8	3 40.82	+14 0.6	2.056	2.881	13.3	19.9
10 18	3 35.25	+14 8.2	1.964	2.867	10.2	19.7
10 28	3 27.39	+14 13.4	1.895	2.853	6.5	19.5
11 7	3 17.89	+14 17.4	1.853	2.839	2.5	19.2
11 17	3 7.65	+14 21.9	1.841	2.825	2.5	19.1
11 27	2 57.77	+14 29.1	1.858	2.810	6.5	19.4
12 7	2 49.27	+14 41.5	1.903	2.795	10.4	19.6
12 17	2 42.93	+15 0.9	1.973	2.781	13.8	19.8

16882 1998 BO_{13} 11 12.7 214°.59 0°.2/12.8 18

10 8	3 34.87	+19 54.3	3.075	3.882	9.8	19.5
10 18	3 30.00	+19 38.8	2.982	3.875	7.4	19.4
10 28	3 23.70	+19 17.4	2.914	3.868	4.7	19.2
11 7	3 16.44	+18 51.0	2.876	3.861	1.8	18.9
11 17	3 8.80	+18 21.4	2.867	3.853	1.3	18.9
11 27	3 1.47	+17 51.4	2.890	3.845	4.3	19.1
12 7	2 55.06	+17 23.7	2.943	3.837	7.1	19.3
12 17	2 50.04	+17 1.0	3.022	3.828	9.5	19.4

412469 2014 HE_{25} 11 12.7 141°.97 2°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.96	+10 19.3	2.538	3.360	11.2	22.8
10 18	3 32.34	+ 9 31.7	2.472	3.373	8.4	22.7
10 28	3 25.14	+ 8 42.5	2.431	3.386	5.5	22.5
11 7	3 16.94	+ 7 55.2	2.420	3.399	3.1	22.4
11 17	3 8.47	+ 7 13.5	2.439	3.410	3.7	22.4
11 27	3 0.49	+ 6 40.6	2.489	3.421	6.3	22.6
12 7	2 53.70	+ 6 19.1	2.566	3.431	9.1	22.8
12 17	2 48.55	+ 6 10.0	2.668	3.441	11.6	23.0

319381 2006 DL_{147} 11 12.7 163°.27 0°.7/13.2 17

10 8	3 36.51	+21 16.3	2.580	3.389	11.4	21.7
10 18	3 31.46	+21 6.7	2.498	3.391	8.7	21.5
10 28	3 24.70	+20 49.5	2.440	3.393	5.6	21.3
11 7	3 16.82	+20 25.7	2.411	3.395	2.3	21.1
11 17	3 8.53	+19 57.2	2.411	3.397	1.5	21.1
11 27	3 0.67	+19 27.1	2.442	3.399	4.8	21.3
12 7	2 53.96	+18 58.8	2.502	3.400	7.9	21.5
12 17	2 48.94	+18 35.5	2.588	3.402	10.7	21.7

395841 2012 XP_{107} 11 12.7 10°.76 0°.6/13.0 18

10 8	3 34.68	+23 5.4	1.275	2.125	18.4	19.6
10 18	3 31.52	+22 19.5	1.212	2.127	14.1	19.4
10 28	3 25.34	+21 15.4	1.168	2.130	9.1	19.1
11 7	3 17.15	+19 56.8	1.148	2.134	3.5	18.8
11 17	3 8.31	+18 30.5	1.153	2.140	2.4	18.7
11 27	3 0.38	+17 6.2	1.184	2.146	7.9	19.1
12 7	2 54.61	+15 53.3	1.239	2.153	12.9	19.4
12 17	2 51.76	+14 58.1	1.315	2.162	17.1	19.7

99233 2001 KJ_{7} 11 12.7 206°.71 3°.5/16.4 18

10 8	3 37.59	+34 24.9	3.246	3.993	10.6	19.8
10 18	3 32.10	+34 12.6	3.145	3.987	8.6	19.7
10 28	3 25.03	+33 47.0	3.068	3.980	6.5	19.5
11 7	3 16.93	+33 7.7	3.018	3.973	4.4	19.4
11 17	3 8.46	+32 15.7	2.999	3.965	3.5	19.3
11 27	3 0.39	+31 13.8	3.010	3.956	4.6	19.4
12 7	2 53.37	+30 6.3	3.051	3.947	6.8	19.5
12 17	2 47.93	+28 57.8	3.121	3.938	9.0	19.7

320209 2007 HA_{27} 11 12.7 225°.91 1°.1/11.8 17

10 8	3 35.51	+16 19.0	2.424	3.248	11.6	21.6
10 18	3 30.79	+15 46.2	2.339	3.243	8.7	21.4
10 28	3 24.33	+15 7.5	2.279	3.238	5.5	21.2
11 7	3 16.71	+14 25.5	2.247	3.233	2.1	21.0
11 17	3 8.65	+13 43.3	2.245	3.228	2.2	21.0
11 27	3 1.00	+13 4.7	2.272	3.222	5.6	21.2
12 7	2 54.51	+12 33.4	2.328	3.217	8.9	21.4
12 17	2 49.72	+12 11.9	2.408	3.211	11.8	21.6

76264 2000 EZ_{104} 11 12.7 147°.18 4°.5/ 9.8 18

10 8	3 38.36	+ 5 47.8	2.172	3.001	12.5	19.4
10 18	3 32.95	+ 5 7.5	2.106	3.008	9.6	19.2
10 28	3 25.67	+ 4 29.2	2.064	3.014	6.7	19.1
11 7	3 17.19	+ 3 57.0	2.049	3.020	4.6	19.0
11 17	3 8.33	+ 3 34.6	2.063	3.025	5.3	19.0
11 27	3 0.00	+ 3 25.3	2.106	3.030	7.9	19.2
12 7	2 53.00	+ 3 30.4	2.176	3.035	10.8	19.4
12 17	2 47.88	+ 3 49.9	2.269	3.039	13.4	19.6

328080 2007 XG_{48} 11 12.7 285°.58 2°.7/11.6 18

10 8	3 41.83	+12 41.8	1.375	2.222	17.4	20.3
10 18	3 36.87	+12 27.6	1.300	2.216	13.3	20.1
10 28	3 28.80	+12 9.9	1.247	2.209	8.5	19.8
11 7	3 18.50	+11 52.1	1.217	2.202	3.8	19.5
11 17	3 7.28	+11 38.1	1.214	2.196	4.1	19.5
11 27	2 56.75	+11 32.8	1.237	2.189	9.0	19.8
12 7	2 48.30	+11 39.6	1.284	2.183	13.9	20.0
12 17	2 42.88	+12 0.3	1.353	2.176	18.1	20.3

247588 2002 TW_{92} 11 12.7 309°.69 0°.3/12.9 18

10 8	3 36.53	+21 22.0	1.729	2.560	15.2	20.5
10 18	3 32.36	+20 51.1	1.644	2.550	11.6	20.2
10 28	3 25.70	+20 7.6	1.581	2.540	7.5	20.0
11 7	3 17.30	+19 13.6	1.544	2.530	2.9	19.7
11 17	3 8.20	+18 13.1	1.534	2.521	2.0	19.6
11 27	2 59.66	+17 12.5	1.553	2.511	6.8	19.9
12 7	2 52.78	+16 18.1	1.597	2.502	11.2	20.1
12 17	2 48.32	+15 35.4	1.665	2.494	15.0	20.3

297958 2002 GF_{126} 11 12.7 158°.49 1°.9/11.2 18

10 8	3 38.28	+16 6.2	1.999	2.828	13.5	21.2
10 18	3 33.10	+15 4.4	1.926	2.832	10.2	21.0
10 28	3 25.86	+13 54.6	1.877	2.837	6.4	20.8
11 7	3 17.28	+12 41.2	1.855	2.840	2.7	20.6
11 17	3 8.28	+11 29.6	1.863	2.844	3.2	20.6
11 27	2 59.89	+10 25.6	1.901	2.847	6.9	20.9
12 7	2 52.99	+ 9 34.1	1.966	2.850	10.6	21.1
12 17	2 48.16	+ 8 58.1	2.055	2.852	13.7	21.3

381776 2009 SB_{340} 11 12.7 59°.82 0°.3/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.71	+18 23.4	1.276	2.119	18.8	21.0
10 18	3 38.03	+18 16.9	1.230	2.142	14.2	20.8
10 28	3 29.25	+18 0.9	1.204	2.166	8.9	20.6
11 7	3 18.54	+17 37.6	1.203	2.189	3.2	20.3
11 17	3 7.40	+17 10.7	1.227	2.213	2.5	20.3
11 27	2 57.46	+16 45.9	1.278	2.237	7.9	20.7
12 7	2 49.95	+16 28.4	1.354	2.261	12.6	21.1
12 17	2 45.54	+16 21.9	1.451	2.285	16.5	21.4

394507 2007 TM_{242} 11 12.7 63°.99 6°.6/16.4 18

10 8	3 45.62	+33 47.5	1.641	2.423	18.0	20.3
10 18	3 39.50	+34 38.8	1.584	2.444	14.7	20.2
10 28	3 30.28	+35 10.3	1.546	2.465	11.1	20.0
11 7	3 18.97	+35 18.3	1.533	2.487	7.9	19.9
11 17	3 7.03	+35 1.9	1.545	2.508	6.6	19.8
11 27	2 56.08	+34 25.2	1.585	2.530	8.2	20.0
12 7	2 47.44	+33 36.0	1.650	2.551	11.2	20.2
12 17	2 41.91	+32 43.3	1.739	2.573	14.2	20.5

121030 1999 BM_{29} 11 12.7 285°.88 1°.6/13.5 18

10 8	3 39.82	+22 57.6	1.583	2.410	16.5	20.6
10 18	3 35.24	+22 54.5	1.495	2.397	12.9	20.3
10 28	3 27.75	+22 38.4	1.429	2.384	8.5	20.0
11 7	3 18.14	+22 9.5	1.387	2.371	3.8	19.7
11 17	3 7.58	+21 30.0	1.372	2.358	2.4	19.6
11 27	2 57.57	+20 45.1	1.385	2.345	7.2	19.9
12 7	2 49.44	+20 1.6	1.423	2.332	11.9	20.1
12 17	2 44.12	+19 26.0	1.483	2.319	16.1	20.4

229689 2007 DQ_{57} 11 12.7 208°.64 1°.3/11.9 18

10 8	3 41.08	+15 55.5	1.868	2.696	14.3	21.4
10 18	3 35.54	+15 34.7	1.786	2.691	10.9	21.2
10 28	3 27.60	+15 7.6	1.728	2.687	6.9	20.9
11 7	3 17.99	+14 36.6	1.695	2.682	2.6	20.7
11 17	3 7.74	+14 5.1	1.692	2.676	2.7	20.7
11 27	2 58.03	+13 37.4	1.718	2.670	7.0	20.9
12 7	2 49.92	+13 17.8	1.771	2.663	11.0	21.2
12 17	2 44.14	+13 9.1	1.847	2.656	14.5	21.4

297130 2010 SN_{20} 11 12.7 50°.70 0°.5/13.0 18

10 8	3 37.67	+20 49.3	1.890	2.715	14.3	20.8
10 18	3 32.87	+20 35.6	1.819	2.721	10.9	20.6
10 28	3 25.83	+20 12.2	1.771	2.727	7.0	20.3
11 7	3 17.31	+19 40.7	1.748	2.734	2.7	20.1
11 17	3 8.28	+19 4.1	1.754	2.741	1.8	20.0
11 27	2 59.88	+18 26.8	1.789	2.747	6.1	20.3
12 7	2 53.06	+17 53.6	1.851	2.754	10.0	20.6
12 17	2 48.47	+17 28.5	1.936	2.761	13.3	20.8

248042 2004 HF_{19} 11 12.7 157°.53 1°.1/12.1 17

10 8	3 44.70	+18 8.5	1.624	2.450	16.2	22.3
10 18	3 38.41	+17 27.0	1.554	2.459	12.3	22.0
10 28	3 29.42	+16 35.3	1.507	2.466	7.7	21.8
11 7	3 18.64	+15 36.7	1.487	2.473	2.8	21.5
11 17	3 7.30	+14 36.3	1.495	2.479	2.8	21.5
11 27	2 56.81	+13 40.7	1.532	2.484	7.6	21.8
12 7	2 48.31	+12 56.0	1.595	2.488	12.0	22.1
12 17	2 42.53	+12 26.1	1.681	2.491	15.7	22.4

449434 2013 HX_{109} 11 12.7 114°.83 0°.1/12.7 18

10 8	3 37.73	+19 22.4	2.138	2.959	13.0	22.1
10 18	3 32.67	+19 7.6	2.063	2.964	9.9	21.9
10 28	3 25.60	+18 45.0	2.012	2.968	6.3	21.7
11 7	3 17.21	+18 16.4	1.987	2.973	2.3	21.4
11 17	3 8.36	+17 44.4	1.992	2.978	1.7	21.4
11 27	3 0.04	+17 12.7	2.026	2.983	5.7	21.7
12 7	2 53.12	+16 45.4	2.089	2.987	9.3	21.9
12 17	2 48.20	+16 25.7	2.175	2.992	12.4	22.1

108537 2001 LY_{6} 11 12.7 57°.34 2°.9/11.5 18

10 8	3 42.40	+11 59.5	1.343	2.191	17.7	19.4
10 18	3 36.95	+11 46.4	1.291	2.206	13.4	19.1
10 28	3 28.58	+11 31.0	1.260	2.222	8.5	18.9
11 7	3 18.33	+11 17.1	1.253	2.238	3.8	18.7
11 17	3 7.57	+11 8.4	1.273	2.254	4.1	18.8
11 27	2 57.80	+11 8.7	1.319	2.270	8.7	19.1
12 7	2 50.25	+11 20.7	1.390	2.287	13.1	19.4
12 17	2 45.61	+11 45.3	1.482	2.304	16.9	19.7

424378 2007 WY_{6} 11 12.7 36°.13 2°.3/13.4 17

10 8	3 44.40	+20 24.9	0.937	1.798	22.5	19.9
10 18	3 39.61	+21 12.4	0.896	1.816	17.3	19.7
10 28	3 30.76	+21 47.7	0.873	1.835	11.3	19.4
11 7	3 19.21	+22 9.1	0.871	1.856	4.9	19.2
11 17	3 6.96	+22 16.9	0.892	1.878	3.3	19.1
11 27	2 56.21	+22 16.0	0.937	1.901	9.0	19.6
12 7	2 48.61	+22 13.3	1.003	1.924	14.5	19.9
12 17	2 44.95	+22 15.0	1.089	1.949	18.9	20.3

348389 2005 GW_{99} 11 12.7 192°.32 4°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.09	+33 52.5	2.309	3.071	13.9	21.0
10 18	3 36.21	+34 12.3	2.220	3.070	11.4	20.9
10 28	3 27.99	+34 16.4	2.153	3.068	8.6	20.7
11 7	3 18.14	+34 2.7	2.111	3.065	6.0	20.5
11 17	3 7.66	+33 31.1	2.098	3.063	4.9	20.5
11 27	2 57.69	+32 44.6	2.114	3.059	6.4	20.5
12 7	2 49.28	+31 48.7	2.158	3.056	9.1	20.7
12 17	2 43.15	+30 50.2	2.228	3.052	11.9	20.9

46783 1998 HU_{101} 11 12.7 157°.04 0°.6/13.1 18

10 8	3 42.67	+22 19.9	1.918	2.729	14.7	20.3
10 18	3 36.58	+21 47.5	1.843	2.737	11.2	20.1
10 28	3 28.14	+21 3.0	1.791	2.745	7.2	19.9
11 7	3 18.15	+20 8.2	1.767	2.752	2.8	19.6
11 17	3 7.70	+19 6.9	1.772	2.758	1.9	19.6
11 27	2 57.95	+18 4.9	1.807	2.763	6.2	19.9
12 7	2 49.93	+17 8.3	1.869	2.768	10.2	20.1
12 17	2 44.28	+16 22.0	1.957	2.771	13.6	20.4

133882 2004 PQ_{86} 11 12.7 339°.77 4°.6/10.2 18

10 8	3 35.05	+11 26.2	1.317	2.180	17.1	19.4
10 18	3 31.71	+10 20.5	1.248	2.171	13.1	19.1
10 28	3 25.50	+ 9 8.9	1.199	2.163	8.6	18.9
11 7	3 17.30	+ 7 58.5	1.174	2.156	4.9	18.6
11 17	3 8.32	+ 6 57.3	1.175	2.150	6.0	18.7
11 27	3 0.04	+ 6 13.3	1.200	2.144	10.3	18.9
12 7	2 53.73	+ 5 51.2	1.249	2.139	14.8	19.2
12 17	2 50.20	+ 5 52.4	1.317	2.135	18.7	19.4

523086 2016 RV_{2} 11 12.7 212°.28 3°.5/14.7 18

10 8	3 42.34	+28 0.9	1.715	2.519	16.4	21.8
10 18	3 36.97	+28 8.8	1.632	2.516	13.0	21.5
10 28	3 28.74	+28 0.7	1.570	2.512	9.1	21.3
11 7	3 18.48	+27 35.3	1.534	2.509	5.2	21.1
11 17	3 7.43	+26 53.7	1.524	2.505	3.7	21.0
11 27	2 57.03	+26 0.8	1.543	2.501	6.9	21.1
12 7	2 48.58	+25 3.8	1.588	2.496	11.0	21.4
12 17	2 42.90	+24 10.4	1.657	2.491	14.8	21.6

48547 1993 TJ_{20} 11 12.7 106°.53 2°.7/14.1 18

10 8	3 43.56	+24 32.6	1.963	2.766	14.7	18.9
10 18	3 37.42	+25 7.6	1.889	2.774	11.5	18.7
10 28	3 28.79	+25 32.6	1.838	2.783	7.8	18.5
11 7	3 18.45	+25 45.9	1.814	2.792	4.1	18.3
11 17	3 7.48	+25 47.7	1.819	2.800	3.0	18.2
11 27	2 57.11	+25 40.3	1.853	2.809	6.1	18.5
12 7	2 48.44	+25 28.0	1.914	2.817	9.8	18.7
12 17	2 42.22	+25 15.6	2.000	2.825	13.0	18.9

411827 2012 DW_{45} 11 12.7 145°.67 1°.3/11.7 18

10 8	3 36.20	+15 2.0	2.442	3.266	11.5	21.7
10 18	3 31.25	+14 37.3	2.366	3.270	8.7	21.5
10 28	3 24.60	+14 8.3	2.315	3.274	5.4	21.3
11 7	3 16.85	+13 37.3	2.292	3.277	2.2	21.1
11 17	3 8.71	+13 7.3	2.298	3.281	2.3	21.1
11 27	3 1.02	+12 41.3	2.335	3.284	5.6	21.4
12 7	2 54.50	+12 22.4	2.400	3.288	8.7	21.6
12 17	2 49.68	+12 12.5	2.490	3.291	11.5	21.8

113548 2002 TY_{27} 11 12.7 88°.15 1°.3/13.4 18

10 8	3 40.27	+21 59.8	1.870	2.688	14.7	19.9
10 18	3 34.91	+22 2.3	1.799	2.696	11.3	19.7
10 28	3 27.17	+21 54.8	1.751	2.704	7.4	19.5
11 7	3 17.85	+21 37.9	1.729	2.713	3.2	19.3
11 17	3 7.99	+21 13.6	1.735	2.721	2.0	19.2
11 27	2 58.78	+20 45.8	1.770	2.729	6.1	19.5
12 7	2 51.24	+20 19.2	1.833	2.737	10.0	19.7
12 17	2 46.07	+19 58.3	1.919	2.745	13.4	20.0

414672 2009 WB_{78} 11 12.7 11°.12 1°.8/14.1 17

10 8	3 36.54	+24 55.8	2.321	3.125	12.6	21.3
10 18	3 31.77	+24 50.4	2.238	3.125	9.8	21.1
10 28	3 25.07	+24 34.4	2.178	3.126	6.6	20.9
11 7	3 17.06	+24 8.1	2.146	3.126	3.2	20.7
11 17	3 8.57	+23 33.4	2.142	3.126	2.1	20.6
11 27	3 0.55	+22 53.8	2.168	3.126	5.2	20.8
12 7	2 53.84	+22 13.8	2.222	3.127	8.5	21.0
12 17	2 49.03	+21 37.7	2.302	3.127	11.5	21.2

256559 2007 RR_{270} 11 12.7 45°.15 0°.2/12.6 16

10 8	3 40.45	+20 59.3	1.036	1.894	21.0	19.8
10 18	3 36.14	+20 18.9	0.993	1.913	15.9	19.6
10 28	3 28.31	+19 22.5	0.969	1.933	10.0	19.3
11 7	3 18.28	+18 14.6	0.966	1.954	3.7	19.0
11 17	3 7.79	+17 3.0	0.988	1.975	2.8	19.0
11 27	2 58.68	+15 57.5	1.035	1.997	8.8	19.5
12 7	2 52.29	+15 6.5	1.104	2.019	14.1	19.8
12 17	2 49.28	+14 34.5	1.194	2.042	18.4	20.2

44610 1999 RW_{24} 11 12.7 298°.88 2°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.33	+16 59.1	1.390	2.238	17.2	19.0
10 18	3 34.18	+16 6.2	1.314	2.231	13.1	18.7
10 28	3 27.08	+15 1.6	1.260	2.223	8.3	18.4
11 7	3 17.92	+13 50.1	1.230	2.216	3.3	18.1
11 17	3 7.95	+12 38.5	1.226	2.209	3.7	18.1
11 27	2 58.69	+11 35.1	1.249	2.202	8.8	18.4
12 7	2 51.45	+10 47.2	1.296	2.195	13.7	18.7
12 17	2 47.07	+10 18.7	1.364	2.189	17.9	18.9

235248 2003 SV_{319} 11 12.7 95°.33 0°.5/12.4 18

10 8	3 42.80	+16 41.5	1.836	2.660	14.7	21.0
10 18	3 36.66	+16 42.0	1.775	2.678	11.1	20.8
10 28	3 28.18	+16 36.8	1.737	2.695	7.0	20.6
11 7	3 18.21	+16 27.5	1.726	2.712	2.5	20.3
11 17	3 7.80	+16 16.2	1.744	2.729	2.1	20.3
11 27	2 58.15	+16 6.3	1.791	2.746	6.4	20.7
12 7	2 50.23	+16 1.2	1.866	2.762	10.3	20.9
12 17	2 44.69	+16 3.3	1.964	2.779	13.6	21.2

174861 2004 AY_{21} 11 12.7 88°.50 2°.0/14.0 18

10 8	3 39.93	+24 57.6	1.878	2.689	14.9	20.7
10 18	3 34.66	+24 53.1	1.808	2.699	11.6	20.6
10 28	3 27.01	+24 35.8	1.760	2.709	7.7	20.3
11 7	3 17.81	+24 6.2	1.738	2.719	3.7	20.1
11 17	3 8.10	+23 26.5	1.745	2.729	2.4	20.1
11 27	2 59.09	+22 41.5	1.780	2.739	6.0	20.3
12 7	2 51.78	+21 56.9	1.843	2.749	9.8	20.6
12 17	2 46.84	+21 18.0	1.929	2.759	13.2	20.8

430499 2001 UC_{59} 11 12.7 70°.44 3°.7/10.3 16

10 8	3 42.73	+14 32.2	1.451	2.292	17.0	20.7
10 18	3 36.60	+12 48.8	1.415	2.327	12.6	20.5
10 28	3 28.01	+10 59.3	1.401	2.362	8.0	20.4
11 7	3 18.06	+ 9 12.0	1.415	2.397	4.1	20.2
11 17	3 8.02	+ 7 35.9	1.456	2.431	5.1	20.4
11 27	2 59.18	+ 6 18.6	1.526	2.465	9.0	20.7
12 7	2 52.44	+ 5 24.5	1.621	2.498	12.8	21.0
12 17	2 48.31	+ 4 54.0	1.738	2.530	16.0	21.3

112824 2002 QA_{9} 11 12.7 122°.14 3°.9/10.8 18

10 8	3 42.92	+ 9 33.4	1.598	2.436	15.9	19.9
10 18	3 37.00	+ 9 1.2	1.538	2.447	12.1	19.7
10 28	3 28.52	+ 8 28.4	1.500	2.457	7.9	19.5
11 7	3 18.36	+ 7 59.5	1.487	2.467	4.4	19.3
11 17	3 7.70	+ 7 38.9	1.502	2.477	5.0	19.4
11 27	2 57.85	+ 7 30.6	1.546	2.486	8.7	19.6
12 7	2 49.90	+ 7 36.8	1.614	2.495	12.6	19.9
12 17	2 44.52	+ 7 58.0	1.705	2.503	16.0	20.1

426101 2012 FL_{12} 11 12.7 117°.93 1°.6/11.9 16

10 8	3 42.83	+16 14.5	1.519	2.355	16.6	21.7
10 18	3 37.13	+15 42.6	1.457	2.367	12.6	21.4
10 28	3 28.68	+15 2.8	1.417	2.378	7.9	21.2
11 7	3 18.44	+14 18.9	1.402	2.389	3.0	20.9
11 17	3 7.66	+13 35.5	1.415	2.399	3.1	21.0
11 27	2 57.77	+12 58.4	1.456	2.409	7.8	21.3
12 7	2 49.91	+12 32.6	1.522	2.418	12.3	21.6
12 17	2 44.79	+12 21.0	1.611	2.427	16.0	21.8

384726 2011 JC_{27} 11 12.7 109°.86 6°.2/ 9.3 17

10 8	3 42.15	+ 0 57.7	2.008	2.830	13.7	21.6
10 18	3 35.75	+ 0 10.8	1.960	2.853	10.7	21.4
10 28	3 27.40	− 0 29.5	1.937	2.875	7.9	21.3
11 7	3 17.88	− 0 58.2	1.940	2.897	6.3	21.2
11 17	3 8.11	− 1 11.5	1.972	2.917	6.9	21.3
11 27	2 59.09	− 1 7.0	2.032	2.938	9.2	21.5
12 7	2 51.61	− 0 45.0	2.118	2.957	11.9	21.7
12 17	2 46.21	− 0 7.0	2.227	2.976	14.2	21.9

495822 2017 FD_{121} 11 12.7 273°.90 0°.2/12.8 17

10 8	3 38.57	+18 11.3	2.336	3.152	12.2	21.2
10 18	3 33.36	+18 21.0	2.243	3.141	9.3	21.0
10 28	3 26.15	+18 25.6	2.174	3.129	6.0	20.7
11 7	3 17.52	+18 25.7	2.132	3.118	2.3	20.5
11 17	3 8.28	+18 22.5	2.120	3.106	1.6	20.4
11 27	2 59.37	+18 18.3	2.138	3.094	5.4	20.6
12 7	2 51.68	+18 15.8	2.185	3.083	9.0	20.8
12 17	2 45.87	+18 17.7	2.257	3.071	12.1	21.0

167365 2003 WS_{48} 11 12.7 100°.98 0°.8/13.2 18

10 8	3 39.82	+21 35.6	1.822	2.643	14.9	20.6
10 18	3 34.60	+21 21.4	1.751	2.651	11.4	20.4
10 28	3 27.00	+20 56.5	1.703	2.659	7.3	20.2
11 7	3 17.81	+20 22.3	1.681	2.666	2.9	20.0
11 17	3 8.12	+19 41.7	1.688	2.674	1.9	19.9
11 27	2 59.11	+18 59.8	1.723	2.681	6.2	20.2
12 7	2 51.79	+18 21.7	1.785	2.689	10.3	20.5
12 17	2 46.85	+17 52.0	1.871	2.696	13.7	20.7

12511 Patil 11 12.7 88°.13 0°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.99	+19 54.2	1.468	2.299	17.4	18.2
10 18	3 38.00	+19 34.0	1.415	2.320	13.2	17.9
10 28	3 29.19	+19 2.8	1.382	2.341	8.3	17.7
11 7	3 18.60	+18 23.1	1.375	2.361	3.1	17.5
11 17	3 7.59	+17 39.0	1.395	2.381	2.3	17.5
11 27	2 57.62	+16 56.6	1.443	2.401	7.3	17.8
12 7	2 49.84	+16 21.8	1.517	2.420	11.8	18.1
12 17	2 44.91	+15 58.8	1.614	2.439	15.5	18.4

446607 2015 MM_{52} 11 12.7 52°.18 6°.2/17.3 18

10 8	3 40.92	+36 22.1	1.627	2.407	18.2	20.4
10 18	3 35.92	+36 20.7	1.565	2.423	14.9	20.2
10 28	3 27.99	+35 54.7	1.522	2.440	11.3	20.0
11 7	3 18.19	+35 2.6	1.501	2.457	7.9	19.9
11 17	3 7.90	+33 46.5	1.507	2.474	6.2	19.8
11 27	2 58.66	+32 13.5	1.540	2.491	7.7	20.0
12 7	2 51.64	+30 33.8	1.600	2.509	10.8	20.2
12 17	2 47.53	+28 57.3	1.683	2.527	14.1	20.4

522000 2015 XH_{76} 11 12.7 233°.55 5°.0/ 9.4 18

10 8	3 36.63	+ 3 32.2	2.243	3.074	12.2	21.2
10 18	3 31.71	+ 2 53.2	2.170	3.071	9.5	21.0
10 28	3 24.98	+ 2 17.7	2.122	3.068	6.8	20.9
11 7	3 17.05	+ 1 49.9	2.100	3.065	5.1	20.8
11 17	3 8.69	+ 1 33.5	2.107	3.062	5.8	20.8
11 27	3 0.78	+ 1 31.3	2.142	3.059	8.2	21.0
12 7	2 54.08	+ 1 44.6	2.204	3.056	10.9	21.1
12 17	2 49.17	+ 2 12.7	2.288	3.053	13.5	21.3

362773 2011 WE_{99} 11 12.7 17°.29 0°.4/12.9 18

10 8	3 37.07	+20 59.3	1.717	2.548	15.2	20.7
10 18	3 32.69	+20 35.6	1.644	2.550	11.6	20.5
10 28	3 25.88	+20 0.7	1.594	2.552	7.5	20.3
11 7	3 17.43	+19 16.6	1.569	2.555	2.9	20.0
11 17	3 8.42	+18 27.2	1.571	2.558	2.0	20.0
11 27	3 0.07	+17 37.9	1.602	2.561	6.6	20.3
12 7	2 53.41	+16 54.7	1.659	2.565	10.8	20.5
12 17	2 49.15	+16 21.9	1.739	2.569	14.4	20.8

410879 2009 SN_{39} 11 12.7 104°.71 1°.8/11.3 18

10 8	3 35.19	+15 21.0	2.265	3.094	12.1	21.3
10 18	3 30.60	+14 28.5	2.192	3.099	9.1	21.1
10 28	3 24.26	+13 30.1	2.144	3.104	5.7	20.9
11 7	3 16.77	+12 29.4	2.123	3.108	2.4	20.7
11 17	3 8.93	+11 30.6	2.132	3.113	2.8	20.7
11 27	3 1.59	+10 38.5	2.171	3.117	6.2	20.9
12 7	2 55.49	+ 9 56.9	2.238	3.122	9.4	21.1
12 17	2 51.17	+ 9 28.2	2.329	3.126	12.3	21.3

191481 2003 SH_{312} 11 12.7 328°.28 6°.1/ 7.8 18

10 8	3 33.36	+ 3 15.7	2.114	2.954	12.4	19.3
10 18	3 29.35	+ 1 52.5	2.045	2.949	9.8	19.1
10 28	3 23.54	+ 0 31.4	2.000	2.944	7.3	19.0
11 7	3 16.53	− 0 41.4	1.982	2.939	6.1	18.9
11 17	3 9.10	− 1 40.0	1.991	2.935	7.0	19.0
11 27	3 2.12	− 2 19.8	2.028	2.931	9.4	19.1
12 7	2 56.37	− 2 38.6	2.090	2.927	12.1	19.3
12 17	2 52.40	− 2 36.6	2.173	2.923	14.5	19.4

252095 2000 UX_{58} 11 12.7 25°.97 0°.4/12.9 18

10 8	3 37.40	+22 32.4	1.066	1.924	20.6	19.3
10 18	3 34.04	+21 50.2	1.012	1.931	15.8	19.0
10 28	3 27.17	+20 48.8	0.976	1.940	10.1	18.7
11 7	3 17.97	+19 32.3	0.962	1.949	3.9	18.4
11 17	3 8.09	+18 8.4	0.972	1.958	2.6	18.4
11 27	2 59.35	+16 48.0	1.006	1.969	8.7	18.8
12 7	2 53.21	+15 41.3	1.063	1.981	14.2	19.1
12 17	2 50.41	+14 54.3	1.140	1.993	18.7	19.4

103983 2000 DG_{86} 11 12.7 182°.47 3°.4/10.8 18

10 8	3 41.40	+10 22.8	1.884	2.715	14.1	20.2
10 18	3 35.65	+ 9 46.8	1.810	2.716	10.7	20.0
10 28	3 27.63	+ 9 8.8	1.759	2.716	7.0	19.8
11 7	3 18.07	+ 8 32.8	1.735	2.716	3.8	19.6
11 17	3 7.97	+ 8 3.0	1.741	2.715	4.4	19.7
11 27	2 58.45	+ 7 43.7	1.774	2.714	7.9	19.9
12 7	2 50.50	+ 7 37.5	1.835	2.712	11.6	20.1
12 17	2 44.81	+ 7 45.7	1.919	2.709	14.8	20.3

449335 2013 FX_{25} 11 12.7 111°.27 4°.3/ 9.7 18

10 8	3 37.66	+ 5 36.4	2.324	3.151	11.9	21.0
10 18	3 32.27	+ 4 52.3	2.267	3.168	9.1	20.9
10 28	3 25.20	+ 4 10.4	2.234	3.184	6.3	20.7
11 7	3 17.10	+ 3 34.7	2.230	3.199	4.4	20.7
11 17	3 8.73	+ 3 8.7	2.254	3.214	5.1	20.7
11 27	3 0.90	+ 2 55.4	2.308	3.229	7.4	20.9
12 7	2 54.32	+ 2 55.9	2.389	3.243	10.1	21.1
12 17	2 49.49	+ 3 10.3	2.493	3.257	12.5	21.3

307314 2002 QJ_{89} 11 12.7 152°.96 1°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.24	+23 57.7	1.689	2.503	16.2	21.6
10 18	3 37.47	+23 51.4	1.615	2.509	12.5	21.4
10 28	3 28.97	+23 31.8	1.563	2.514	8.3	21.1
11 7	3 18.60	+22 59.2	1.536	2.519	3.8	20.9
11 17	3 7.59	+22 16.1	1.538	2.523	2.4	20.8
11 27	2 57.34	+21 27.8	1.568	2.527	6.7	21.1
12 7	2 49.03	+20 41.0	1.625	2.530	11.0	21.4
12 17	2 43.42	+20 1.5	1.705	2.533	14.7	21.6

206989 2004 TH_{159} 11 12.7 142°.84 0°.8/13.2 17

10 8	3 44.30	+21 24.7	1.493	2.320	17.4	20.8
10 18	3 38.51	+21 14.2	1.424	2.327	13.3	20.6
10 28	3 29.73	+20 51.5	1.377	2.333	8.6	20.3
11 7	3 18.90	+20 17.4	1.354	2.339	3.4	20.0
11 17	3 7.39	+19 35.5	1.359	2.345	2.2	20.0
11 27	2 56.74	+18 51.5	1.391	2.350	7.4	20.3
12 7	2 48.25	+18 12.3	1.450	2.355	12.1	20.6
12 17	2 42.72	+17 43.2	1.531	2.359	16.1	20.9

116252 2003 YW_{23} 11 12.7 337°.57 2°.0/11.6 18

10 8	3 37.04	+15 7.5	1.611	2.456	15.4	19.6
10 18	3 32.82	+14 34.5	1.536	2.451	11.7	19.4
10 28	3 26.06	+13 54.8	1.484	2.446	7.4	19.1
11 7	3 17.55	+13 11.9	1.456	2.442	3.0	18.9
11 17	3 8.38	+12 30.7	1.456	2.438	3.3	18.9
11 27	2 59.82	+11 56.5	1.483	2.435	7.8	19.1
12 7	2 52.98	+11 34.1	1.535	2.432	12.1	19.4
12 17	2 48.61	+11 26.1	1.609	2.429	15.8	19.6

405260 2003 SY_{285} 11 12.7 18°.21 5°.8/16.4 17

10 8	3 39.50	+33 41.0	1.947	2.727	15.6	20.8
10 18	3 34.67	+34 20.8	1.871	2.730	12.8	20.6
10 28	3 27.25	+34 43.9	1.817	2.735	9.8	20.4
11 7	3 18.00	+34 47.5	1.786	2.740	7.0	20.3
11 17	3 8.05	+34 31.0	1.782	2.745	5.8	20.2
11 27	2 58.71	+33 57.2	1.806	2.751	7.3	20.3
12 7	2 51.13	+33 12.2	1.855	2.757	10.0	20.5
12 17	2 46.09	+32 23.0	1.929	2.764	13.0	20.7

399737 2005 EL_{22} 11 12.7 219°.16 3°.5/10.2 18

10 8	3 37.92	+ 9 47.6	2.165	2.995	12.5	21.8
10 18	3 32.83	+ 8 56.7	2.082	2.988	9.6	21.6
10 28	3 25.78	+ 8 3.5	2.025	2.980	6.3	21.4
11 7	3 17.40	+ 7 12.2	1.994	2.972	3.8	21.2
11 17	3 8.52	+ 6 27.3	1.993	2.964	4.5	21.3
11 27	3 0.08	+ 5 53.2	2.022	2.955	7.5	21.4
12 7	2 52.92	+ 5 33.0	2.077	2.945	10.8	21.6
12 17	2 47.68	+ 5 28.0	2.156	2.935	13.7	21.8

323607 2004 TT_{346} 11 12.7 56°.15 0°.4/13.0 18

10 8	3 36.20	+22 1.9	2.011	2.832	13.7	20.3
10 18	3 31.62	+21 22.3	1.943	2.843	10.4	20.1
10 28	3 25.00	+20 31.6	1.898	2.854	6.7	19.9
11 7	3 17.09	+19 32.2	1.879	2.865	2.6	19.6
11 17	3 8.80	+18 28.4	1.889	2.876	1.7	19.6
11 27	3 1.14	+17 25.4	1.929	2.887	5.8	19.9
12 7	2 54.97	+16 28.9	1.996	2.898	9.5	20.1
12 17	2 50.84	+15 43.0	2.088	2.910	12.6	20.4

21713 Michaelolson 11 12.7 132°.96 4°.1/10.5 18

10 8	3 42.30	+ 9 57.5	1.686	2.522	15.3	19.4
10 18	3 36.41	+ 9 5.1	1.626	2.534	11.6	19.2
10 28	3 28.10	+ 8 10.9	1.589	2.546	7.6	19.0
11 7	3 18.25	+ 7 20.1	1.578	2.557	4.4	18.8
11 17	3 7.96	+ 6 38.1	1.595	2.567	5.1	18.9
11 27	2 58.46	+ 6 9.8	1.641	2.577	8.7	19.1
12 7	2 50.75	+ 5 58.1	1.712	2.586	12.4	19.4
12 17	2 45.49	+ 6 3.5	1.806	2.595	15.6	19.6

124095 2001 HL_{33} 11 12.7 143°.33 0°.2/12.6 18

10 8	3 36.16	+18 59.1	2.790	3.601	10.6	20.8
10 18	3 31.06	+18 38.6	2.713	3.609	8.0	20.6
10 28	3 24.45	+18 12.1	2.662	3.617	5.0	20.4
11 7	3 16.86	+17 41.1	2.639	3.625	1.8	20.2
11 17	3 8.96	+17 7.9	2.647	3.632	1.4	20.2
11 27	3 1.48	+16 35.4	2.685	3.639	4.6	20.4
12 7	2 55.05	+16 6.8	2.753	3.646	7.5	20.7
12 17	2 50.15	+15 44.5	2.847	3.652	10.1	20.8

170613 2003 YS_{47} 11 12.7 252°.65 4°.3/10.8 18

10 8	3 41.28	+ 6 15.7	1.881	2.712	14.1	20.0
10 18	3 35.64	+ 6 4.0	1.803	2.707	10.9	19.8
10 28	3 27.69	+ 5 55.4	1.750	2.703	7.4	19.6
11 7	3 18.15	+ 5 53.2	1.722	2.698	4.6	19.4
11 17	3 7.99	+ 6 0.6	1.723	2.693	5.1	19.5
11 27	2 58.34	+ 6 20.0	1.753	2.688	8.3	19.6
12 7	2 50.22	+ 6 52.1	1.809	2.684	11.8	19.8
12 17	2 44.35	+ 7 36.5	1.888	2.679	15.0	20.1

108683 2001 OU_7 11 12.7 79°.63 3°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.65	+10 31.3	1.885	2.721	13.9	19.9
10 18	3 33.32	+ 9 35.0	1.834	2.743	10.4	19.8
10 28	3 25.98	+ 8 37.1	1.808	2.766	6.8	19.6
11 7	3 17.42	+ 7 42.4	1.809	2.788	3.9	19.5
11 17	3 8.61	+ 6 56.0	1.838	2.810	4.6	19.6
11 27	3 0.53	+ 6 22.1	1.896	2.832	7.7	19.8
12 7	2 54.02	+ 6 3.4	1.980	2.853	11.0	20.0
12 17	2 49.59	+ 6 0.4	2.087	2.875	13.8	20.3

410652 2008 SG_{27} 11 12.7 338°.69 3°.0/10.6 17

10 8	3 33.40	+12 19.0	1.992	2.834	13.0	20.6
10 18	3 29.59	+11 25.5	1.913	2.827	9.8	20.4
10 28	3 23.81	+10 27.4	1.859	2.820	6.3	20.2
11 7	3 16.70	+ 9 29.2	1.831	2.813	3.3	20.0
11 17	3 9.09	+ 8 36.0	1.831	2.807	4.0	20.0
11 27	3 1.94	+ 7 52.7	1.860	2.801	7.4	20.2
12 7	2 56.11	+ 7 23.1	1.914	2.796	10.9	20.4
12 17	2 52.20	+ 7 9.3	1.992	2.792	14.0	20.6

371289 2006 DK_{210} 11 12.7 202°.85 1°.4/13.8 17

10 8	3 37.33	+23 35.9	2.683	3.482	11.3	22.1
10 18	3 32.17	+23 36.2	2.593	3.479	8.7	22.0
10 28	3 25.28	+23 28.1	2.529	3.476	5.8	21.8
11 7	3 17.22	+23 12.0	2.492	3.473	2.7	21.6
11 17	3 8.71	+22 49.2	2.485	3.469	1.8	21.5
11 27	3 0.56	+22 22.2	2.508	3.465	4.7	21.7
12 7	2 53.52	+21 54.6	2.561	3.461	7.7	21.9
12 17	2 48.17	+21 29.7	2.640	3.457	10.4	22.1

20407 1998 QM_{20} 11 12.7 268°.29 4°.7/ 9.1 18

10 8	3 34.75	+ 6 6.3	2.210	3.045	12.1	17.6
10 18	3 30.36	+ 5 2.8	2.136	3.041	9.3	17.4
10 28	3 24.18	+ 3 59.8	2.087	3.037	6.6	17.2
11 7	3 16.82	+ 3 2.1	2.065	3.033	4.8	17.1
11 17	3 9.03	+ 2 14.9	2.071	3.029	5.6	17.1
11 27	3 1.69	+ 1 42.1	2.106	3.025	8.2	17.3
12 7	2 55.55	+ 1 26.2	2.167	3.021	11.0	17.5
12 17	2 51.17	+ 1 27.5	2.251	3.017	13.6	17.6

255515 2006 BU_{226} 11 12.7 198°.72 4°.2/ 8.9 18

10 8	3 35.19	+ 2 5.6	3.127	3.943	9.4	20.9
10 18	3 30.16	+ 1 27.8	3.048	3.939	7.4	20.7
10 28	3 23.84	+ 0 53.2	2.996	3.935	5.4	20.6
11 7	3 16.65	+ 0 24.9	2.973	3.930	4.3	20.5
11 17	3 9.16	+ 0 5.6	2.979	3.925	4.8	20.6
11 27	3 1.98	− 0 2.3	3.015	3.919	6.6	20.7
12 7	2 55.65	+ 0 2.0	3.079	3.913	8.7	20.8
12 17	2 50.61	+ 0 18.5	3.167	3.906	10.6	20.9

152646 1997 SM_{33} 11 12.7 15°.65 4°.4/10.2 18

10 8	3 32.60	+14 28.2	1.047	1.925	19.4	18.2
10 18	3 30.23	+12 54.9	0.999	1.931	14.6	17.9
10 28	3 24.69	+11 11.3	0.970	1.938	9.3	17.7
11 7	3 17.09	+ 9 27.4	0.964	1.948	4.9	17.5
11 17	3 8.91	+ 7 54.9	0.981	1.959	6.1	17.6
11 27	3 1.77	+ 6 44.3	1.022	1.971	10.9	17.9
12 7	2 56.92	+ 6 1.4	1.084	1.985	15.7	18.2
12 17	2 55.07	+ 5 47.1	1.166	2.000	19.7	18.5

308865 2006 SB_{15} 11 12.8 25°.97 2°.8/14.3 17

10 8	3 38.32	+25 40.1	1.508	2.334	17.2	20.3
10 18	3 34.03	+25 47.5	1.444	2.342	13.5	20.1
10 28	3 26.92	+25 39.7	1.401	2.352	9.1	19.9
11 7	3 17.91	+25 16.6	1.382	2.362	4.7	19.7
11 17	3 8.27	+24 40.5	1.389	2.372	3.2	19.6
11 27	2 59.45	+23 56.7	1.422	2.384	6.9	19.9
12 7	2 52.66	+23 12.2	1.481	2.396	11.2	20.1
12 17	2 48.64	+22 33.5	1.563	2.408	14.9	20.4

133494 2003 SK_{275} 11 12.8 96°.81 1°.7/11.7 18

10 8	3 39.66	+15 26.9	1.798	2.631	14.6	20.2
10 18	3 34.36	+14 51.7	1.736	2.644	11.0	20.0
10 28	3 26.80	+14 10.4	1.696	2.656	6.9	19.8
11 7	3 17.80	+13 26.6	1.683	2.669	2.8	19.6
11 17	3 8.37	+12 44.4	1.698	2.681	3.0	19.6
11 27	2 59.67	+12 8.7	1.742	2.693	7.0	19.9
12 7	2 52.62	+11 43.6	1.813	2.705	10.9	20.1
12 17	2 47.86	+11 31.3	1.907	2.716	14.1	20.4

286806 2002 JS_{149} 11 12.8 119°.23 0°.8/12.1 18

10 8	3 35.74	+18 7.3	2.352	3.173	11.9	21.1
10 18	3 31.00	+17 24.4	2.277	3.180	9.0	20.9
10 28	3 24.53	+16 34.1	2.227	3.186	5.6	20.7
11 7	3 16.94	+15 39.2	2.205	3.192	2.1	20.5
11 17	3 8.99	+14 43.4	2.213	3.197	2.0	20.5
11 27	3 1.54	+13 51.3	2.251	3.203	5.5	20.7
12 7	2 55.32	+13 6.7	2.317	3.209	8.8	21.0
12 17	2 50.86	+12 32.8	2.408	3.214	11.7	21.2

182432 2001 RJ_{134} 11 12.8 347°.87 1°.6/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.03	+15 3.4	1.373	2.230	16.9	19.6
10 18	3 31.79	+14 54.3	1.299	2.220	12.9	19.4
10 28	3 25.70	+14 39.6	1.245	2.210	8.2	19.1
11 7	3 17.54	+14 22.0	1.215	2.202	3.2	18.8
11 17	3 8.51	+14 5.4	1.210	2.195	3.2	18.7
11 27	3 0.09	+13 54.4	1.231	2.189	8.2	19.0
12 7	2 53.59	+13 53.3	1.276	2.185	13.1	19.3
12 17	2 49.86	+14 4.7	1.341	2.182	17.2	19.5

72757 2001 FP_{135} 11 12.8 58°.08 7°.6/16.5 18

10 8	3 47.02	+34 52.3	1.657	2.431	18.1	19.0
10 18	3 40.95	+36 9.5	1.591	2.444	15.0	18.8
10 28	3 31.53	+37 8.2	1.546	2.456	11.7	18.6
11 7	3 19.70	+37 42.6	1.524	2.469	8.8	18.5
11 17	3 6.93	+37 49.8	1.528	2.482	7.6	18.4
11 27	2 54.97	+37 31.9	1.558	2.495	9.0	18.6
12 7	2 45.35	+36 56.3	1.614	2.508	11.8	18.8
12 17	2 39.00	+36 12.1	1.693	2.522	14.8	19.0

106293 2000 US_{81} 11 12.8 353°.41 2°.2/11.9 18

10 8	3 35.39	+12 33.6	1.347	2.207	17.0	18.0
10 18	3 32.09	+12 40.5	1.276	2.198	13.0	17.7
10 28	3 25.89	+12 45.9	1.225	2.190	8.3	17.4
11 7	3 17.61	+12 52.4	1.198	2.184	3.5	17.1
11 17	3 8.46	+13 2.5	1.195	2.179	3.5	17.1
11 27	2 59.93	+13 19.5	1.219	2.176	8.4	17.4
12 7	2 53.33	+13 45.6	1.266	2.175	13.2	17.7
12 17	2 49.55	+14 22.0	1.334	2.175	17.3	17.9

486785 2014 HB_{61} 11 12.8 333°.30 5°.4/ 9.1 18

10 8	3 33.78	+11 18.1	1.386	2.248	16.5	20.3
10 18	3 30.67	+ 9 37.8	1.314	2.237	12.6	20.0
10 28	3 24.87	+ 7 49.1	1.263	2.226	8.4	19.7
11 7	3 17.19	+ 6 0.8	1.238	2.216	5.5	19.5
11 17	3 8.79	+ 4 23.3	1.238	2.207	6.9	19.6
11 27	3 1.04	+ 3 6.5	1.264	2.198	10.9	19.8
12 7	2 55.12	+ 2 16.3	1.312	2.191	15.1	20.0
12 17	2 51.80	+ 1 54.5	1.381	2.184	18.9	20.3

301957 2000 DK_{30} 11 12.8 210°.91 6°.2/ 8.3 18

10 8	3 36.78	+ 2 56.6	2.027	2.861	13.1	20.7
10 18	3 32.02	+ 1 42.3	1.957	2.858	10.3	20.5
10 28	3 25.29	+ 0 30.7	1.912	2.855	7.7	20.3
11 7	3 17.26	− 0 32.0	1.894	2.852	6.2	20.2
11 17	3 8.77	− 1 19.9	1.903	2.849	7.1	20.3
11 27	3 0.78	− 1 48.8	1.940	2.845	9.6	20.4
12 7	2 54.13	− 1 56.7	2.002	2.841	12.4	20.6
12 17	2 49.43	− 1 44.4	2.085	2.837	15.0	20.8

348316 2005 BJ_{12} 11 12.8 320°.24 3°.4/11.0 18

10 8	3 38.69	+10 51.0	1.614	2.459	15.4	20.8
10 18	3 34.06	+10 22.7	1.540	2.453	11.8	20.6
10 28	3 26.88	+ 9 52.3	1.487	2.448	7.6	20.4
11 7	3 17.92	+ 9 23.8	1.460	2.443	4.0	20.1
11 17	3 8.26	+ 9 1.7	1.460	2.438	4.5	20.2
11 27	2 59.20	+ 8 50.5	1.487	2.433	8.5	20.4
12 7	2 51.85	+ 8 53.2	1.540	2.429	12.6	20.6
12 17	2 46.99	+ 9 10.7	1.614	2.424	16.2	20.8

22040 1999 XR_{188} 11 12.8 239°.33 0°.1/12.8 18

10 8	3 38.67	+18 16.9	2.301	3.118	12.3	17.7
10 18	3 33.41	+18 23.2	2.217	3.115	9.4	17.5
10 28	3 26.18	+18 24.1	2.157	3.113	6.0	17.3
11 7	3 17.61	+18 20.3	2.124	3.110	2.3	17.1
11 17	3 8.49	+18 13.3	2.121	3.107	1.6	17.0
11 27	2 59.79	+18 5.4	2.148	3.104	5.4	17.3
12 7	2 52.35	+17 59.8	2.203	3.101	8.9	17.5
12 17	2 46.81	+17 58.9	2.284	3.099	11.9	17.7

96846 1999 RC_{211} 11 12.8 344°.40 8°.5/16.7 18

10 8	3 39.65	+35 0.0	1.382	2.182	19.8	17.3
10 18	3 36.09	+36 8.6	1.304	2.173	16.7	17.1
10 28	3 28.88	+36 56.7	1.244	2.164	13.1	16.8
11 7	3 18.85	+37 17.9	1.205	2.156	9.9	16.6
11 17	3 7.51	+37 8.6	1.190	2.149	8.5	16.5
11 27	2 56.82	+36 31.2	1.198	2.144	10.1	16.6
12 7	2 48.58	+35 34.3	1.230	2.139	13.5	16.8
12 17	2 43.94	+34 29.1	1.283	2.136	17.1	17.0

473670 2015 XP_{350} 11 12.8 141°.03 1°.5/11.8 18

10 8	3 38.48	+13 13.3	2.409	3.230	11.7	20.8
10 18	3 33.05	+13 8.4	2.332	3.235	8.8	20.6
10 28	3 25.84	+13 1.4	2.281	3.239	5.6	20.4
11 7	3 17.45	+12 53.9	2.258	3.243	2.3	20.2
11 17	3 8.64	+12 47.9	2.265	3.247	2.4	20.2
11 27	3 0.26	+12 45.7	2.301	3.250	5.7	20.4
12 7	2 53.09	+12 49.5	2.367	3.254	8.9	20.6
12 17	2 47.69	+13 0.6	2.457	3.257	11.6	20.8

223519 2004 CZ_{98} 11 12.8 212°.67 1°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.27	+15 40.3	1.893	2.719	14.2	21.6
10 18	3 35.72	+15 5.5	1.808	2.713	10.8	21.3
10 28	3 27.81	+14 23.7	1.747	2.706	6.9	21.1
11 7	3 18.25	+13 37.8	1.713	2.698	2.7	20.8
11 17	3 8.03	+12 52.1	1.708	2.690	2.9	20.8
11 27	2 58.35	+12 11.7	1.731	2.681	7.1	21.1
12 7	2 50.23	+11 41.1	1.783	2.671	11.2	21.3
12 17	2 44.41	+11 23.4	1.857	2.661	14.7	21.5

472347 2015 AP_{275} 11 12.8 249°.13 2°.8/11.4 18

10 8	3 41.91	+13 20.1	1.520	2.361	16.4	21.6
10 18	3 36.80	+12 48.4	1.438	2.350	12.5	21.3
10 28	3 28.79	+12 11.1	1.377	2.338	8.1	21.0
11 7	3 18.69	+11 32.1	1.342	2.327	3.6	20.7
11 17	3 7.69	+10 56.2	1.334	2.315	4.1	20.7
11 27	2 57.26	+10 29.2	1.353	2.302	8.8	21.0
12 7	2 48.72	+10 15.7	1.397	2.289	13.4	21.2
12 17	2 42.97	+10 18.2	1.463	2.276	17.5	21.4

262152 2006 SX_{75} 11 12.8 334°.81 4°.1/10.2 18

10 8	3 34.08	+11 32.5	1.556	2.411	15.4	20.0
10 18	3 30.67	+10 27.9	1.480	2.399	11.7	19.8
10 28	3 24.78	+ 9 17.7	1.426	2.388	7.7	19.5
11 7	3 17.15	+ 8 8.1	1.397	2.378	4.4	19.3
11 17	3 8.84	+ 7 5.9	1.395	2.369	5.4	19.3
11 27	3 1.09	+ 6 18.3	1.419	2.360	9.3	19.5
12 7	2 55.00	+ 5 49.8	1.467	2.352	13.4	19.8
12 17	2 51.32	+ 5 42.3	1.536	2.345	17.0	20.0

492694 2014 PN_{57} 11 12.8 25°.34 9°.4/ 7.5 18

10 8	3 36.96	− 8 20.2	1.945	2.762	14.2	20.6
10 18	3 32.12	− 9 12.8	1.895	2.768	12.0	20.4
10 28	3 25.30	− 9 51.4	1.867	2.775	10.2	20.3
11 7	3 17.24	−10 9.9	1.864	2.782	9.4	20.3
11 17	3 8.83	−10 4.4	1.886	2.789	10.1	20.4
11 27	3 1.03	− 9 33.4	1.932	2.797	11.8	20.5
12 7	2 54.68	− 8 38.7	2.002	2.805	13.8	20.6
12 17	2 50.33	− 7 24.0	2.093	2.813	15.9	20.8

431645 2008 AG_{83} 11 12.8 320°.00 4°.0/11.2 18

10 8	3 39.99	+10 42.9	1.221	2.080	18.4	20.9
10 18	3 35.90	+10 21.1	1.148	2.069	14.2	20.6
10 28	3 28.49	+ 9 57.3	1.094	2.058	9.3	20.3
11 7	3 18.64	+ 9 36.5	1.064	2.047	4.7	20.0
11 17	3 7.72	+ 9 23.8	1.058	2.038	5.3	20.0
11 27	2 57.49	+ 9 24.4	1.077	2.028	10.2	20.3
12 7	2 49.47	+ 9 41.4	1.119	2.020	15.3	20.5
12 17	2 44.67	+10 15.8	1.181	2.012	19.7	20.8

56101 1999 BW_{14} 11 12.8 202°.77 0°.9/13.3 18

10 8	3 41.64	+21 44.1	1.948	2.762	14.4	20.4
10 18	3 36.03	+21 33.4	1.863	2.758	11.1	20.1
10 28	3 28.01	+21 12.2	1.801	2.754	7.2	19.9
11 7	3 18.33	+20 41.5	1.765	2.750	3.0	19.6
11 17	3 7.99	+20 3.6	1.759	2.745	1.9	19.5
11 27	2 58.19	+19 22.9	1.782	2.739	6.2	19.8
12 7	2 49.98	+18 44.8	1.832	2.733	10.2	20.1
12 17	2 44.12	+18 13.9	1.907	2.727	13.7	20.3

363022 1997 EK_{29} 11 12.8 302°.64 6°.3/ 8.6 18

10 8	3 36.21	+ 0 43.5	2.118	2.950	12.7	20.6
10 18	3 31.51	− 0 8.3	2.050	2.947	10.1	20.5
10 28	3 24.94	− 0 54.6	2.006	2.945	7.7	20.3
11 7	3 17.14	− 1 30.3	1.988	2.943	6.3	20.2
11 17	3 8.90	− 1 51.0	1.998	2.941	7.1	20.3
11 27	3 1.14	− 1 53.5	2.035	2.939	9.3	20.4
12 7	2 54.65	− 1 37.2	2.097	2.936	11.9	20.6
12 17	2 50.01	− 1 3.3	2.181	2.934	14.4	20.7

190344 1998 TO_{29} 11 12.8 84°.41 1°.9/13.9 18

10 8	3 39.84	+23 35.8	2.270	3.073	12.9	20.2
10 18	3 34.33	+23 56.1	2.194	3.081	10.0	20.0
10 28	3 26.77	+24 7.6	2.142	3.089	6.7	19.8
11 7	3 17.83	+24 10.0	2.117	3.097	3.3	19.6
11 17	3 8.39	+24 4.0	2.121	3.104	2.3	19.5
11 27	2 59.44	+23 51.9	2.155	3.112	5.3	19.8
12 7	2 51.87	+23 37.5	2.217	3.120	8.6	20.0
12 17	2 46.32	+23 24.4	2.305	3.128	11.5	20.2

123768 2001 AG_{50} 11 12.8 315°.81 0°.5/12.5 17

10 8	3 36.78	+17 35.8	1.910	2.741	13.9	20.2
10 18	3 32.43	+17 26.4	1.822	2.729	10.6	20.0
10 28	3 25.79	+17 10.1	1.757	2.717	6.8	19.7
11 7	3 17.53	+16 48.7	1.718	2.705	2.5	19.4
11 17	3 8.58	+16 24.9	1.707	2.693	2.1	19.4
11 27	3 0.06	+16 2.4	1.725	2.682	6.4	19.6
12 7	2 52.98	+15 45.4	1.769	2.671	10.5	19.8
12 17	2 48.09	+15 37.0	1.837	2.660	14.0	20.0

96540 1998 SC_{29} 11 12.8 43°.57 1°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.42	+21 46.2	2.071	2.887	13.5	19.7
10 18	3 33.40	+21 54.6	1.997	2.893	10.4	19.5
10 28	3 26.25	+21 54.5	1.946	2.899	6.8	19.3
11 7	3 17.65	+21 46.1	1.922	2.905	3.0	19.0
11 17	3 8.54	+21 31.0	1.926	2.912	1.9	19.0
11 27	2 59.97	+21 12.4	1.959	2.918	5.6	19.2
12 7	2 52.85	+20 54.0	2.020	2.925	9.2	19.5
12 17	2 47.84	+20 39.6	2.106	2.932	12.4	19.7

66090 1998 RQ_{75} 11 12.8 37°.08 4°.4/ 9.5 18

10 8	3 34.62	+ 8 8.7	2.038	2.879	12.8	19.0
10 18	3 30.35	+ 7 4.3	1.974	2.883	9.8	18.8
10 28	3 24.21	+ 5 59.2	1.933	2.888	6.6	18.6
11 7	3 16.86	+ 4 58.7	1.920	2.894	4.5	18.5
11 17	3 9.14	+ 4 7.9	1.935	2.899	5.3	18.6
11 27	3 1.95	+ 3 31.3	1.978	2.905	8.1	18.8
12 7	2 56.08	+ 3 11.4	2.046	2.910	11.1	19.0
12 17	2 52.07	+ 3 8.9	2.138	2.916	13.8	19.2

441272 2007 VB_{334} 11 12.8 356°.73 0°.3/12.9 18

10 8	3 37.95	+17 59.8	1.387	2.235	17.3	20.5
10 18	3 34.03	+18 15.2	1.316	2.231	13.2	20.2
10 28	3 27.13	+18 23.6	1.266	2.228	8.5	19.9
11 7	3 18.09	+18 25.6	1.239	2.226	3.2	19.6
11 17	3 8.20	+18 23.1	1.238	2.225	2.3	19.6
11 27	2 58.97	+18 19.7	1.263	2.225	7.6	19.9
12 7	2 51.77	+18 19.9	1.313	2.226	12.4	20.2
12 17	2 47.47	+18 27.3	1.384	2.228	16.6	20.4

517143 2013 JQ_{62} 11 12.8 86°.86 2°.5/11.2 18

10 8	3 38.17	+11 2.5	2.200	3.028	12.4	21.1
10 18	3 32.87	+10 44.9	2.135	3.040	9.4	20.9
10 28	3 25.74	+10 26.2	2.094	3.052	6.0	20.7
11 7	3 17.42	+10 9.0	2.081	3.064	3.0	20.5
11 17	3 8.74	+ 9 56.0	2.098	3.075	3.3	20.6
11 27	3 0.60	+ 9 50.2	2.144	3.087	6.4	20.8
12 7	2 53.78	+ 9 53.2	2.217	3.099	9.6	21.0
12 17	2 48.83	+10 6.2	2.314	3.110	12.4	21.2

522039 2015 XQ_{410} 11 12.8 9°.75 1°.6/12.1 17

10 8	3 37.49	+13 23.7	1.438	2.290	16.5	19.9
10 18	3 33.38	+13 35.3	1.376	2.294	12.5	19.6
10 28	3 26.53	+13 44.7	1.335	2.298	7.9	19.4
11 7	3 17.82	+13 53.7	1.318	2.304	3.1	19.1
11 17	3 8.44	+14 4.5	1.327	2.312	3.0	19.1
11 27	2 59.78	+14 19.8	1.363	2.320	7.7	19.5
12 7	2 53.04	+14 42.0	1.424	2.330	12.2	19.7
12 17	2 48.97	+15 12.4	1.506	2.341	16.0	20.0

254442 2005 AZ_{61} 11 12.8 334°.06 2°.3/11.9 18 R

10 8	3 39.10	+14 25.3	1.145	2.007	19.2	19.8
10 18	3 35.43	+14 10.1	1.075	1.998	14.7	19.5
10 28	3 28.29	+13 48.6	1.024	1.990	9.4	19.2
11 7	3 18.60	+13 24.4	0.996	1.982	3.8	18.8
11 17	3 7.83	+13 2.4	0.991	1.975	4.0	18.8
11 27	2 57.82	+12 48.7	1.011	1.969	9.6	19.1
12 7	2 50.18	+12 48.2	1.054	1.964	15.1	19.4
12 17	2 45.90	+13 3.4	1.116	1.959	19.7	19.7

71778 2000 SP_{128} 11 12.8 84°.24 1°.2/12.3 18

10 8	3 47.29	+14 59.2	1.356	2.193	18.2	19.5
10 18	3 40.72	+15 4.7	1.305	2.214	13.8	19.3
10 28	3 31.08	+15 5.3	1.274	2.235	8.7	19.1
11 7	3 19.46	+15 2.8	1.269	2.255	3.2	18.8
11 17	3 7.33	+14 59.6	1.291	2.275	2.9	18.8
11 27	2 56.31	+14 59.5	1.340	2.295	8.0	19.2
12 7	2 47.68	+15 6.0	1.414	2.315	12.7	19.5
12 17	2 42.15	+15 21.6	1.511	2.334	16.5	19.8

406596 2008 CW_{2} 11 12.8 255°.59 8°.1/ 6.1 18

10 8	3 36.32	− 4 35.1	2.232	3.052	12.6	21.6
10 18	3 31.61	− 5 57.2	2.157	3.037	10.5	21.4
10 28	3 25.06	− 7 12.1	2.105	3.021	8.8	21.3
11 7	3 17.22	− 8 13.0	2.080	3.005	8.1	21.2
11 17	3 8.88	− 8 54.3	2.082	2.989	9.0	21.3
11 27	3 0.92	− 9 12.1	2.110	2.972	11.0	21.4
12 7	2 54.14	− 9 5.6	2.161	2.956	13.2	21.5
12 17	2 49.14	− 8 36.4	2.233	2.939	15.4	21.6

515206 2011 WZ_{59} 11 12.8 333°.41 2°.8/11.3 18

10 8	3 38.73	+11 12.8	1.861	2.698	14.0	21.6
10 18	3 33.76	+10 53.9	1.787	2.696	10.7	21.4
10 28	3 26.54	+10 33.3	1.735	2.695	6.9	21.2
11 7	3 17.80	+10 14.2	1.710	2.693	3.4	20.9
11 17	3 8.48	+ 9 59.9	1.713	2.692	3.8	21.0
11 27	2 59.69	+ 9 53.9	1.745	2.691	7.4	21.2
12 7	2 52.42	+ 9 58.6	1.803	2.690	11.2	21.4
12 17	2 47.36	+10 15.2	1.883	2.689	14.4	21.6

203152 2000 WH_{15} 11 12.8 68°.91 6°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.24	+ 2 57.3	1.569	2.406	16.2	19.4
10 18	3 37.25	+ 2 38.1	1.516	2.420	12.6	19.2
10 28	3 28.72	+ 2 25.8	1.484	2.433	8.9	19.0
11 7	3 18.57	+ 2 25.1	1.478	2.447	6.3	18.9
11 17	3 7.98	+ 2 39.5	1.499	2.461	6.8	18.9
11 27	2 58.23	+ 3 10.7	1.547	2.476	9.8	19.2
12 7	2 50.40	+ 3 57.9	1.621	2.490	13.3	19.4
12 17	2 45.14	+ 4 59.1	1.716	2.504	16.4	19.6

50246 2000 BT_{14} 11 12.8 168°.95 0°.2/12.9 18

10 8	3 40.21	+19 1.6	2.010	2.830	13.8	17.9
10 18	3 34.81	+18 58.7	1.932	2.831	10.5	17.7
10 28	3 27.18	+18 48.5	1.876	2.833	6.7	17.4
11 7	3 18.03	+18 32.2	1.848	2.834	2.5	17.2
11 17	3 8.31	+18 11.8	1.849	2.835	1.8	17.1
11 27	2 59.13	+17 50.8	1.879	2.835	6.0	17.4
12 7	2 51.44	+17 33.1	1.936	2.836	9.8	17.6
12 17	2 45.94	+17 22.1	2.018	2.836	13.1	17.9

17630 1996 HM_{21} 11 12.8 210°.30 0°.2/12.7 18

10 8	3 44.11	+18 7.1	1.531	2.362	16.8	19.2
10 18	3 38.49	+18 5.2	1.453	2.359	12.9	18.9
10 28	3 29.88	+17 55.1	1.396	2.355	8.2	18.7
11 7	3 19.13	+17 38.1	1.365	2.351	3.1	18.3
11 17	3 7.51	+17 16.5	1.361	2.347	2.3	18.3
11 27	2 56.55	+16 55.2	1.385	2.342	7.6	18.6
12 7	2 47.60	+16 39.0	1.435	2.337	12.4	18.9
12 17	2 41.56	+16 32.4	1.507	2.332	16.4	19.1

369020 2007 TG_{359} 11 12.8 339°.00 4°.2/14.5 17

10 8	3 41.88	+26 22.8	1.201	2.036	20.2	21.0
10 18	3 37.75	+26 51.9	1.130	2.032	16.1	20.8
10 28	3 29.89	+27 3.8	1.077	2.028	11.2	20.5
11 7	3 19.24	+26 55.8	1.045	2.024	6.2	20.2
11 17	3 7.42	+26 28.1	1.038	2.021	4.4	20.1
11 27	2 56.43	+25 46.1	1.056	2.018	8.6	20.3
12 7	2 48.03	+24 59.1	1.097	2.016	13.7	20.6
12 17	2 43.29	+24 16.5	1.159	2.014	18.3	20.9

195894 2002 RA_{31} 11 12.8 126°.21 0°.4/12.4 18

10 8	3 35.62	+18 33.4	2.538	3.355	11.3	20.3
10 18	3 30.84	+18 4.3	2.462	3.361	8.5	20.2
10 28	3 24.43	+17 28.6	2.410	3.367	5.4	20.0
11 7	3 16.96	+16 48.4	2.387	3.373	2.0	19.8
11 17	3 9.14	+16 6.5	2.394	3.379	1.7	19.8
11 27	3 1.77	+15 26.6	2.431	3.385	5.0	20.0
12 7	2 55.54	+14 52.0	2.497	3.390	8.2	20.2
12 17	2 50.95	+14 25.5	2.588	3.396	10.9	20.4

251437 2008 CJ_{18} 11 12.8 157°.85 2°.1/11.3 18

10 8	3 37.52	+13 17.5	2.211	3.039	12.4	21.2
10 18	3 32.47	+12 44.1	2.136	3.042	9.4	21.0
10 28	3 25.55	+12 6.9	2.086	3.045	5.9	20.8
11 7	3 17.40	+11 29.1	2.064	3.047	2.7	20.6
11 17	3 8.82	+10 54.1	2.070	3.050	3.1	20.6
11 27	3 0.74	+10 25.8	2.107	3.052	6.4	20.8
12 7	2 53.95	+10 7.1	2.171	3.054	9.7	21.0
12 17	2 49.02	+ 9 59.9	2.259	3.056	12.6	21.2

324833 2007 JQ_{3} 11 12.8 134°.26 3°.5/ 9.9 18

10 8	3 34.89	+ 9 6.2	2.386	3.218	11.5	21.1
10 18	3 30.32	+ 8 10.0	2.315	3.221	8.7	21.0
10 28	3 24.11	+ 7 12.6	2.270	3.225	5.8	20.8
11 7	3 16.85	+ 6 18.0	2.252	3.228	3.7	20.7
11 17	3 9.23	+ 5 30.5	2.264	3.231	4.4	20.7
11 27	3 2.07	+ 4 54.1	2.305	3.235	7.0	20.9
12 7	2 56.04	+ 4 31.1	2.374	3.238	9.8	21.1
12 17	2 51.67	+ 4 22.7	2.466	3.241	12.3	21.2

336120 2008 NY_{4} 11 12.8 194°.08 3°.6/15.1 18

10 8	3 43.05	+29 36.4	1.941	2.730	15.3	21.6
10 18	3 37.27	+29 35.2	1.855	2.728	12.2	21.4
10 28	3 28.89	+29 17.6	1.790	2.726	8.7	21.1
11 7	3 18.72	+28 42.6	1.751	2.723	5.1	20.9
11 17	3 7.85	+27 51.5	1.741	2.720	3.7	20.8
11 27	2 57.61	+26 49.1	1.760	2.716	6.4	21.0
12 7	2 49.14	+25 42.4	1.806	2.711	10.1	21.2
12 17	2 43.21	+24 38.8	1.878	2.706	13.5	21.4

133629 2003 UZ_{134} 11 12.8 346°.06 0°.6/13.1 17

10 8	3 34.60	+21 30.0	1.877	2.706	14.2	18.9
10 18	3 30.79	+21 8.6	1.795	2.699	10.9	18.7
10 28	3 24.74	+20 36.3	1.736	2.693	7.0	18.5
11 7	3 17.16	+19 54.8	1.703	2.688	2.8	18.2
11 17	3 8.99	+19 7.4	1.697	2.683	1.8	18.1
11 27	3 1.32	+18 19.2	1.719	2.679	6.1	18.4
12 7	2 55.15	+17 35.5	1.769	2.676	10.1	18.6
12 17	2 51.14	+17 0.9	1.841	2.673	13.6	18.8

494575 2017 BX_{35} 11 12.8 333°.67 1°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.37	+15 5.0	1.933	2.766	13.7	20.8
10 18	3 32.71	+14 42.8	1.855	2.764	10.4	20.6
10 28	3 25.87	+14 15.4	1.801	2.762	6.6	20.4
11 7	3 17.56	+13 45.4	1.774	2.760	2.6	20.1
11 17	3 8.70	+13 16.4	1.775	2.758	2.7	20.1
11 27	3 0.36	+12 52.3	1.804	2.756	6.7	20.4
12 7	2 53.47	+12 36.7	1.861	2.755	10.5	20.6
12 17	2 48.70	+12 32.1	1.940	2.753	13.8	20.8

371813 2007 TQ_{62} 11 12.8 69°.71 1°.2/13.6 17

10 8	3 36.81	+22 15.9	2.517	3.324	11.7	21.0
10 18	3 31.82	+22 19.7	2.442	3.333	9.0	20.9
10 28	3 25.10	+22 15.8	2.391	3.342	5.9	20.7
11 7	3 17.23	+22 4.7	2.368	3.351	2.6	20.5
11 17	3 8.96	+21 47.8	2.374	3.360	1.7	20.4
11 27	3 1.14	+21 27.7	2.411	3.369	4.8	20.7
12 7	2 54.51	+21 7.8	2.476	3.378	7.9	20.9
12 17	2 49.62	+20 51.1	2.567	3.387	10.6	21.1

324892 2007 VD_{15} 11 12.8 6°.31 2°.3/13.6 18

10 8	3 38.80	+21 49.9	0.997	1.859	21.4	20.2
10 18	3 35.67	+22 15.1	0.938	1.859	16.6	19.9
10 28	3 28.64	+22 26.4	0.897	1.859	11.0	19.6
11 7	3 18.78	+22 22.9	0.877	1.861	4.9	19.3
11 17	3 7.82	+22 6.4	0.879	1.865	3.2	19.2
11 27	2 57.90	+21 42.7	0.904	1.869	9.0	19.5
12 7	2 50.77	+21 20.1	0.951	1.875	14.7	19.9
12 17	2 47.44	+21 5.3	1.017	1.883	19.5	20.2

228104 2008 SF_{197} 11 12.8 26°.00 0°.6/12.1 18

10 8	3 29.18	+16 0.0	4.181	4.996	7.3	20.5
10 18	3 25.48	+15 43.8	4.098	4.997	5.4	20.4
10 28	3 20.84	+15 24.8	4.041	4.999	3.4	20.3
11 7	3 15.60	+15 4.3	4.014	5.000	1.3	20.1
11 17	3 10.15	+14 43.8	4.018	5.001	1.2	20.1
11 27	3 4.92	+14 25.0	4.052	5.003	3.4	20.3
12 7	3 0.28	+14 9.4	4.116	5.004	5.4	20.4
12 17	2 56.58	+13 58.4	4.207	5.006	7.2	20.5

373051 2011 EK_{74} 11 12.8 276°.57 0°.7/13.3 17

10 8	3 35.60	+22 4.5	2.450	3.262	11.8	20.9
10 18	3 31.09	+21 45.2	2.355	3.249	9.1	20.7
10 28	3 24.75	+21 16.8	2.283	3.236	5.9	20.5
11 7	3 17.15	+20 40.4	2.239	3.223	2.4	20.3
11 17	3 9.02	+19 58.2	2.224	3.210	1.5	20.2
11 27	3 1.25	+19 14.0	2.239	3.197	5.1	20.4
12 7	2 54.63	+18 32.0	2.282	3.183	8.5	20.6
12 17	2 49.77	+17 56.0	2.351	3.170	11.5	20.8

430717 2004 ET_{51} 11 12.8 227°.51 1°.6/13.6 18

10 8	3 43.43	+22 56.0	1.881	2.690	15.0	21.8
10 18	3 37.66	+22 58.8	1.788	2.680	11.7	21.5
10 28	3 29.24	+22 50.7	1.719	2.669	7.7	21.3
11 7	3 18.91	+22 31.4	1.675	2.658	3.5	21.0
11 17	3 7.73	+22 2.3	1.660	2.645	2.2	20.9
11 27	2 57.03	+21 27.5	1.674	2.632	6.4	21.1
12 7	2 47.99	+20 52.5	1.716	2.619	10.7	21.3
12 17	2 41.47	+20 22.6	1.782	2.605	14.4	21.5

1342 Brabantia 11 12.8 251°.99 12°.4/20.6 18

10 8	3 51.56	+49 53.9	1.883	2.562	19.2	15.7
10 18	3 45.44	+51 5.7	1.785	2.545	17.4	15.6
10 28	3 35.08	+51 52.4	1.703	2.528	15.4	15.4
11 7	3 21.33	+52 4.6	1.642	2.509	13.5	15.2
11 17	3 5.90	+51 35.6	1.602	2.490	12.5	15.1
11 27	2 51.15	+50 25.2	1.586	2.471	12.7	15.1
12 7	2 39.19	+48 41.6	1.594	2.451	14.1	15.1
12 17	2 31.36	+46 37.7	1.625	2.430	16.4	15.2

215 Oenone 11 12.8 64°.37 0°.4/13.0 18

10 8	3 38.88	+20 15.3	1.895	2.719	14.3	13.8
10 18	3 33.93	+20 6.2	1.820	2.722	10.9	13.6
10 28	3 26.69	+19 48.2	1.768	2.725	7.0	13.3
11 7	3 17.90	+19 22.5	1.743	2.728	2.7	13.1
11 17	3 8.55	+18 51.8	1.745	2.731	1.8	13.0
11 27	2 59.78	+18 20.3	1.776	2.735	6.1	13.3
12 7	2 52.60	+17 52.5	1.835	2.738	10.1	13.6
12 17	2 47.67	+17 32.3	1.917	2.742	13.5	13.8

295228 2008 GP_{7} 11 12.8 197°.13 1°.8/11.7 18

10 8	3 41.84	+15 9.8	1.885	2.712	14.3	22.3
10 18	3 36.15	+14 36.0	1.805	2.709	10.8	22.0
10 28	3 28.10	+13 56.0	1.747	2.706	6.9	21.8
11 7	3 18.43	+13 12.6	1.717	2.702	2.8	21.5
11 17	3 8.15	+12 30.1	1.715	2.698	3.0	21.5
11 27	2 58.43	+11 53.3	1.743	2.692	7.1	21.8
12 7	2 50.30	+11 26.5	1.798	2.687	11.1	22.0
12 17	2 44.48	+11 12.7	1.877	2.680	14.6	22.2

170370 2003 SE_{237} 11 12.8 58°.42 1°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.90	+16 13.9	1.607	2.446	15.7	20.7
10 18	3 34.12	+15 39.3	1.544	2.456	11.8	20.5
10 28	3 26.85	+14 57.2	1.504	2.466	7.4	20.3
11 7	3 17.95	+14 11.5	1.489	2.476	2.9	20.0
11 17	3 8.55	+13 26.7	1.502	2.486	3.0	20.1
11 27	2 59.92	+12 48.5	1.543	2.496	7.4	20.4
12 7	2 53.09	+12 21.4	1.609	2.506	11.6	20.6
12 17	2 48.74	+12 8.1	1.697	2.517	15.1	20.9

400059 2006 SA_{95} 11 12.8 50°.23 2°.0/11.5 18

10 8	3 36.97	+15 26.7	1.825	2.662	14.2	21.0
10 18	3 32.43	+14 40.4	1.756	2.667	10.7	20.8
10 28	3 25.69	+13 47.4	1.710	2.671	6.8	20.6
11 7	3 17.51	+12 51.5	1.690	2.676	2.8	20.4
11 17	3 8.86	+11 57.7	1.699	2.680	3.2	20.4
11 27	3 0.83	+11 11.4	1.736	2.685	7.1	20.7
12 7	2 54.34	+10 37.0	1.799	2.690	10.9	20.9
12 17	2 50.04	+10 17.2	1.885	2.695	14.2	21.1

402422 2005 YH_{270} 11 12.8 5°.68 5°.9/ 9.1 18

10 8	3 35.64	+ 3 21.8	1.883	2.724	13.7	20.5
10 18	3 31.32	+ 2 29.6	1.819	2.724	10.7	20.3
10 28	3 24.95	+ 1 41.4	1.777	2.725	7.8	20.2
11 7	3 17.23	+ 1 2.7	1.762	2.726	6.0	20.1
11 17	3 9.06	+ 0 38.2	1.773	2.727	6.8	20.1
11 27	3 1.43	+ 0 31.7	1.812	2.729	9.4	20.3
12 7	2 55.21	+ 0 44.0	1.875	2.731	12.4	20.5
12 17	2 51.02	+ 1 14.4	1.960	2.733	15.1	20.7

211577 2003 SC_{169} 11 12.8 86°.15 0°.6/13.1 18

10 8	3 47.20	+19 31.0	1.394	2.223	18.2	19.6
10 18	3 40.70	+19 40.5	1.341	2.245	13.9	19.4
10 28	3 31.11	+19 40.2	1.309	2.267	8.8	19.2
11 7	3 19.53	+19 30.9	1.303	2.288	3.4	18.9
11 17	3 7.45	+19 14.9	1.323	2.309	2.3	18.9
11 27	2 56.47	+18 56.8	1.371	2.330	7.4	19.3
12 7	2 47.87	+18 42.1	1.445	2.350	12.1	19.6
12 17	2 42.38	+18 34.9	1.541	2.370	15.9	19.9

195124 2002 CW_{157} 11 12.8 77°.87 2°.8/14.3 18

10 8	3 43.81	+25 41.4	1.642	2.453	16.7	19.7
10 18	3 37.91	+25 54.2	1.584	2.473	13.0	19.5
10 28	3 29.27	+25 52.8	1.546	2.493	8.8	19.3
11 7	3 18.85	+25 36.8	1.534	2.513	4.6	19.1
11 17	3 7.93	+25 8.0	1.550	2.532	3.1	19.1
11 27	2 57.92	+24 31.0	1.593	2.552	6.6	19.3
12 7	2 49.97	+23 52.3	1.663	2.571	10.6	19.6
12 17	2 44.76	+23 18.0	1.757	2.590	14.1	19.9

206619 2003 WS_{117} 11 12.8 54°.09 2°.3/14.1 18 R

10 8	3 39.79	+25 11.8	1.675	2.493	16.1	20.3
10 18	3 34.93	+25 7.5	1.606	2.501	12.6	20.1
10 28	3 27.44	+24 49.0	1.559	2.509	8.4	19.8
11 7	3 18.20	+24 16.7	1.537	2.518	4.1	19.6
11 17	3 8.38	+23 33.2	1.542	2.526	2.6	19.5
11 27	2 59.31	+22 43.7	1.575	2.535	6.5	19.8
12 7	2 52.11	+21 55.0	1.634	2.544	10.6	20.1
12 17	2 47.50	+21 12.9	1.717	2.553	14.2	20.3

386068 2007 HO_{30} 11 12.8 209°.18 0°.2/12.7 18

10 8	3 41.62	+18 52.8	1.901	2.722	14.4	22.3
10 18	3 36.08	+18 39.7	1.817	2.718	11.0	22.1
10 28	3 28.12	+18 18.3	1.756	2.713	7.0	21.8
11 7	3 18.47	+17 50.2	1.721	2.708	2.6	21.5
11 17	3 8.15	+17 17.9	1.716	2.702	2.0	21.5
11 27	2 58.36	+16 45.8	1.739	2.695	6.5	21.7
12 7	2 50.16	+16 18.7	1.790	2.689	10.6	22.0
12 17	2 44.30	+16 0.2	1.865	2.681	14.1	22.2

414342 2008 SB_{253} 11 12.8 11°.76 1°.3/13.6 17

10 8	3 35.70	+22 43.6	1.941	2.764	14.1	20.9
10 18	3 31.52	+22 36.5	1.867	2.767	10.8	20.7
10 28	3 25.16	+22 18.9	1.816	2.770	7.1	20.5
11 7	3 17.34	+21 51.7	1.790	2.773	3.1	20.3
11 17	3 9.00	+21 17.4	1.792	2.778	1.9	20.2
11 27	3 1.21	+20 40.2	1.822	2.783	5.8	20.5
12 7	2 54.91	+20 4.9	1.880	2.788	9.6	20.7
12 17	2 50.75	+19 35.9	1.961	2.794	12.9	21.0

117350 Saburo 11 12.8 111°.34 6°.8/18.5 18

10 8	3 42.84	+41 10.5	2.580	3.297	13.7	19.5
10 18	3 36.83	+41 51.7	2.502	3.307	11.7	19.4
10 28	3 28.50	+42 15.6	2.445	3.317	9.6	19.3
11 7	3 18.60	+42 19.1	2.413	3.327	7.7	19.2
11 17	3 8.10	+42 1.0	2.407	3.337	6.8	19.1
11 27	2 58.16	+41 23.5	2.430	3.347	7.3	19.2
12 7	2 49.79	+40 31.5	2.479	3.357	8.9	19.3
12 17	2 43.70	+39 31.5	2.555	3.366	10.9	19.5

494551 2017 BO_{7} 11 12.8 328°.69 10°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 33.75	− 2 54.0	1.602	2.449	15.4	20.3
10 18	3 30.31	− 4 54.1	1.539	2.437	12.8	20.1
10 28	3 24.53	− 6 47.1	1.499	2.426	10.8	20.0
11 7	3 17.15	− 8 22.4	1.483	2.415	10.2	19.9
11 17	3 9.15	− 9 31.0	1.492	2.405	11.5	20.0
11 27	3 1.71	−10 6.7	1.524	2.395	13.9	20.1
12 7	2 55.83	−10 8.7	1.577	2.387	16.6	20.3
12 17	2 52.21	− 9 39.7	1.647	2.378	19.2	20.4

45935 2000 YU_{132} 11 12.8 220°.30 5°.5/16.7 18

10 8	3 42.31	+35 23.6	2.142	2.903	14.9	19.0
10 18	3 36.74	+35 38.2	2.050	2.896	12.4	18.8
10 28	3 28.61	+35 34.8	1.978	2.890	9.5	18.6
11 7	3 18.68	+35 10.7	1.932	2.883	6.8	18.4
11 17	3 8.03	+34 26.0	1.912	2.875	5.5	18.3
11 27	2 57.92	+33 23.9	1.922	2.867	6.9	18.4
12 7	2 49.50	+32 11.4	1.959	2.859	9.7	18.6
12 17	2 43.56	+30 56.2	2.022	2.850	12.7	18.8

141622 2002 JH_{33} 11 12.8 132°.33 3°.2/10.9 18

10 8	3 42.03	+12 51.3	1.614	2.451	15.8	20.5
10 18	3 36.41	+11 56.2	1.551	2.461	11.9	20.3
10 28	3 28.27	+10 55.9	1.512	2.471	7.6	20.1
11 7	3 18.49	+ 9 55.8	1.498	2.481	3.8	19.9
11 17	3 8.23	+ 9 1.6	1.512	2.490	4.4	20.0
11 27	2 58.77	+ 8 19.3	1.555	2.498	8.4	20.2
12 7	2 51.18	+ 7 53.0	1.623	2.506	12.4	20.5
12 17	2 46.12	+ 7 44.3	1.713	2.513	15.9	20.7

298195 2002 TU_{256} 11 12.8 309°.55 2°.0/13.6 17

10 8	3 41.01	+21 26.3	1.663	2.488	15.9	19.7
10 18	3 36.42	+22 0.5	1.562	2.462	12.5	19.5
10 28	3 28.85	+22 27.4	1.481	2.435	8.4	19.2
11 7	3 18.93	+22 45.8	1.426	2.409	3.9	18.8
11 17	3 7.75	+22 54.8	1.398	2.383	2.7	18.7
11 27	2 56.79	+22 56.6	1.398	2.357	7.2	18.9
12 7	2 47.50	+22 55.1	1.423	2.332	12.0	19.1
12 17	2 40.98	+22 55.3	1.471	2.308	16.2	19.3

481420 2006 UH_{60} 11 12.8 39°.62 2°.6/14.5 17

10 8	3 38.83	+26 33.6	1.827	2.638	15.3	21.7
10 18	3 34.09	+26 29.3	1.752	2.641	12.0	21.5
10 28	3 26.89	+26 10.6	1.699	2.645	8.2	21.2
11 7	3 18.02	+25 37.5	1.671	2.649	4.3	21.0
11 17	3 8.56	+24 52.3	1.670	2.653	2.9	20.9
11 27	2 59.75	+23 59.9	1.698	2.658	6.2	21.2
12 7	2 52.66	+23 6.7	1.753	2.662	10.1	21.4
12 17	2 47.99	+22 18.7	1.832	2.667	13.5	21.6

278281 2007 GM_{24} 11 12.8 95°.72 2°.1/11.7 18

10 8	3 43.18	+13 12.6	1.798	2.626	14.8	21.1
10 18	3 36.94	+12 52.7	1.743	2.649	11.1	20.9
10 28	3 28.44	+12 29.5	1.712	2.671	7.0	20.7
11 7	3 18.52	+12 6.0	1.708	2.692	3.0	20.5
11 17	3 8.25	+11 45.5	1.732	2.714	3.2	20.6
11 27	2 58.80	+11 31.8	1.786	2.734	7.1	20.9
12 7	2 51.10	+11 27.5	1.866	2.754	10.8	21.1
12 17	2 45.75	+11 34.1	1.971	2.774	14.0	21.4

41324 1999 XO_{212} 11 12.8 64°.30 2°.5/11.0 18

10 8	3 38.27	+16 29.8	1.593	2.434	15.7	18.3
10 18	3 33.50	+15 7.0	1.539	2.452	11.8	18.1
10 28	3 26.36	+13 34.9	1.507	2.469	7.4	17.9
11 7	3 17.77	+11 59.9	1.502	2.487	3.2	17.7
11 17	3 8.83	+10 29.8	1.524	2.504	3.9	17.8
11 27	3 0.77	+ 9 12.3	1.575	2.522	8.0	18.1
12 7	2 54.51	+ 8 12.9	1.652	2.540	12.0	18.3
12 17	2 50.65	+ 7 34.1	1.751	2.557	15.3	18.6

220889 2004 XG_{124} 11 12.8 345°.69 1°.9/13.3 17

10 8	3 45.83	+18 43.7	1.808	2.624	15.2	18.9
10 18	3 39.68	+19 57.3	1.721	2.617	11.8	18.7
10 28	3 30.69	+21 8.9	1.658	2.610	7.8	18.4
11 7	3 19.57	+22 15.5	1.621	2.604	3.5	18.2
11 17	3 7.39	+23 14.5	1.614	2.599	2.6	18.1
11 27	2 55.59	+24 5.3	1.637	2.594	6.7	18.3
12 7	2 45.47	+24 49.2	1.688	2.590	10.9	18.6
12 17	2 38.00	+25 29.2	1.763	2.587	14.5	18.8

236519 2006 GV_{52} 11 12.8 115°.41 12°.6/ 3.8 18

10 8	3 40.92	−20 48.1	2.172	2.929	14.9	20.6
10 18	3 34.89	−22 21.0	2.148	2.948	13.6	20.6
10 28	3 26.98	−23 32.0	2.145	2.966	12.7	20.6
11 7	3 17.95	−24 14.4	2.165	2.984	12.6	20.6
11 17	3 8.71	−24 24.5	2.207	3.001	13.2	20.7
11 27	3 0.20	−24 2.0	2.271	3.018	14.2	20.8
12 7	2 53.19	−23 10.0	2.354	3.034	15.3	20.9
12 17	2 48.18	−21 53.6	2.454	3.049	16.5	21.1

323621 2004 VH_{41} 11 12.8 177°.04 0°.4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.22	+17 10.4	2.318	3.137	12.2	21.1
10 18	3 33.06	+17 7.8	2.238	3.138	9.2	20.9
10 28	3 26.01	+17 0.1	2.181	3.138	5.9	20.7
11 7	3 17.67	+16 48.6	2.152	3.138	2.2	20.5
11 17	3 8.85	+16 35.2	2.153	3.138	1.7	20.5
11 27	3 0.45	+16 22.7	2.183	3.138	5.4	20.7
12 7	2 53.31	+16 14.0	2.242	3.138	8.9	20.9
12 17	2 48.01	+16 11.4	2.326	3.138	11.8	21.1

316010 Davidddubey 11 12.8 146°.69 1°.8/11.9 16

10 8	3 45.45	+14 19.7	1.830	2.652	14.8	22.3
10 18	3 38.79	+14 0.0	1.763	2.664	11.2	22.1
10 28	3 29.71	+13 35.6	1.719	2.676	7.1	21.8
11 7	3 19.05	+13 9.3	1.702	2.687	2.9	21.6
11 17	3 7.89	+12 44.2	1.714	2.697	3.0	21.6
11 27	2 57.47	+12 24.6	1.756	2.705	7.1	21.9
12 7	2 48.81	+12 13.7	1.826	2.713	11.0	22.2
12 17	2 42.59	+12 13.9	1.919	2.721	14.4	22.4

350866 2002 NO_{80} 11 12.8 39°.62 7°.9/ 8.2 18

10 8	3 37.23	+ 0 48.5	1.613	2.458	15.4	20.3
10 18	3 32.75	− 0 26.9	1.560	2.464	12.3	20.2
10 28	3 25.95	− 1 35.5	1.529	2.471	9.4	20.0
11 7	3 17.65	− 2 29.7	1.523	2.477	7.9	19.9
11 17	3 8.91	− 3 3.2	1.543	2.485	8.8	20.0
11 27	3 0.87	− 3 12.0	1.588	2.492	11.4	20.2
12 7	2 54.51	− 2 56.0	1.656	2.500	14.3	20.4
12 17	2 50.46	− 2 17.4	1.744	2.508	17.1	20.6

435473 2008 FD_{84} 11 12.8 216°.33 1°.6/11.9 18

10 8	3 41.99	+15 42.9	1.727	2.557	15.2	22.7
10 18	3 36.55	+15 16.9	1.645	2.552	11.6	22.4
10 28	3 28.53	+14 44.1	1.586	2.546	7.4	22.2
11 7	3 18.69	+14 7.2	1.554	2.539	2.9	21.9
11 17	3 8.12	+13 30.1	1.549	2.532	2.9	21.9
11 27	2 58.13	+12 58.0	1.573	2.525	7.5	22.1
12 7	2 49.84	+12 35.3	1.623	2.517	11.8	22.4
12 17	2 44.07	+12 25.4	1.697	2.509	15.5	22.6

444472 2006 KD_{103} 11 12.8 179°.22 5°.6/ 8.5 18

10 8	3 38.34	+ 2 53.4	2.310	3.134	12.0	22.1
10 18	3 32.99	+ 1 44.8	2.241	3.136	9.4	22.0
10 28	3 25.87	+ 0 38.9	2.197	3.137	7.0	21.8
11 7	3 17.60	− 0 19.0	2.180	3.138	5.6	21.7
11 17	3 8.94	− 1 4.0	2.193	3.138	6.4	21.8
11 27	3 0.76	− 1 32.3	2.235	3.137	8.6	21.9
12 7	2 53.80	− 1 42.4	2.302	3.136	11.2	22.1
12 17	2 48.61	− 1 34.5	2.392	3.134	13.6	22.3

513603 2011 FX_{152} 11 12.8 218°.15 10°.0/ 6.0 18

10 8	3 42.35	−11 7.0	2.186	2.978	13.7	22.7
10 18	3 36.21	−12 16.6	2.117	2.967	11.9	22.5
10 28	3 28.02	−13 13.0	2.071	2.956	10.5	22.4
11 7	3 18.43	−13 49.3	2.050	2.944	10.0	22.3
11 17	3 8.33	−14 0.3	2.055	2.932	10.7	22.4
11 27	2 58.70	−13 43.5	2.086	2.918	12.3	22.5
12 7	2 50.43	−13 0.1	2.140	2.904	14.3	22.6
12 17	2 44.17	−11 53.4	2.214	2.888	16.3	22.7

436453 2011 CD_{80} 11 12.8 210°.31 3°.0/14.7 18

10 8	3 43.00	+27 42.4	1.892	2.689	15.4	22.1
10 18	3 37.35	+27 38.7	1.803	2.683	12.2	21.9
10 28	3 29.05	+27 19.8	1.736	2.678	8.5	21.6
11 7	3 18.90	+26 44.7	1.695	2.671	4.6	21.4
11 17	3 8.00	+25 55.1	1.682	2.664	3.2	21.3
11 27	2 57.67	+24 55.8	1.699	2.656	6.4	21.5
12 7	2 49.10	+23 53.7	1.743	2.648	10.4	21.7
12 17	2 43.09	+22 56.0	1.811	2.639	14.0	21.9

12573 1999 NJ_{53} 11 12.8 30°.37 0°.5/12.4 18

10 8	3 35.71	+20 40.2	1.819	2.650	14.5	17.4
10 18	3 31.54	+19 43.2	1.749	2.655	11.0	17.2
10 28	3 25.17	+18 34.1	1.702	2.662	6.9	17.0
11 7	3 17.38	+17 16.8	1.682	2.668	2.5	16.7
11 17	3 9.15	+15 56.7	1.690	2.676	2.1	16.7
11 27	3 1.59	+14 40.8	1.727	2.683	6.5	17.0
12 7	2 55.60	+13 35.3	1.790	2.691	10.5	17.3
12 17	2 51.79	+12 44.4	1.878	2.699	13.8	17.5

87361 2000 QK_{43} 11 12.8 78°.93 0°.4/12.5 18

10 8	3 38.07	+18 35.4	1.978	2.804	13.7	20.0
10 18	3 33.16	+18 12.2	1.908	2.811	10.4	19.8
10 28	3 26.15	+17 41.1	1.861	2.819	6.6	19.6
11 7	3 17.74	+17 4.4	1.841	2.827	2.4	19.3
11 17	3 8.89	+16 25.4	1.849	2.835	1.9	19.3
11 27	3 0.63	+15 48.5	1.887	2.843	6.1	19.6
12 7	2 53.87	+15 17.9	1.952	2.850	9.8	19.9
12 17	2 49.20	+14 57.0	2.040	2.858	13.0	20.1

481434 2006 UE_{328} 11 12.8 304°.99 0°.6/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.76	+16 6.0	1.784	2.616	14.7	21.1
10 18	3 35.10	+16 13.9	1.684	2.591	11.3	20.8
10 28	3 27.81	+16 17.4	1.607	2.567	7.3	20.5
11 7	3 18.53	+16 17.4	1.556	2.542	2.7	20.2
11 17	3 8.23	+16 15.8	1.532	2.518	2.3	20.1
11 27	2 58.21	+16 15.5	1.537	2.493	7.1	20.3
12 7	2 49.70	+16 19.7	1.567	2.469	11.6	20.5
12 17	2 43.62	+16 31.7	1.622	2.446	15.5	20.7

381777 2009 SF_{345} 11 12.8 233°.87 1°.4/12.1 18

10 8	3 42.13	+15 33.9	1.702	2.533	15.3	21.2
10 18	3 36.76	+15 19.2	1.619	2.526	11.7	21.0
10 28	3 28.73	+14 58.4	1.558	2.518	7.5	20.7
11 7	3 18.81	+14 33.9	1.524	2.510	2.9	20.4
11 17	3 8.09	+14 9.0	1.517	2.501	2.8	20.4
11 27	2 57.92	+13 48.0	1.539	2.492	7.4	20.7
12 7	2 49.46	+13 35.3	1.586	2.483	11.8	20.9
12 17	2 43.57	+13 33.7	1.657	2.473	15.6	21.1

497577 2006 FA_2 11 12.8 192°.67 15°.7/19.2 17

10 8	3 59.59	+46 51.3	1.311	2.036	24.3	21.6
10 18	3 53.35	+49 11.5	1.241	2.036	21.8	21.4
10 28	3 41.24	+51 5.2	1.187	2.035	19.2	21.2
11 7	3 24.04	+52 16.9	1.150	2.033	16.9	21.0
11 17	3 4.13	+52 34.0	1.134	2.031	15.8	21.0
11 27	2 45.14	+51 54.8	1.140	2.028	16.2	21.0
12 7	2 30.36	+50 31.4	1.166	2.025	18.1	21.1
12 17	2 21.53	+48 43.0	1.211	2.021	20.6	21.3

48102 2001 FH_{64} 11 12.8 110°.25 4°.6/10.4 18

10 8	3 41.58	+ 9 22.3	1.559	2.401	16.0	18.5
10 18	3 36.12	+ 8 26.4	1.502	2.413	12.2	18.3
10 28	3 28.12	+ 7 29.3	1.467	2.424	8.1	18.1
11 7	3 18.49	+ 6 36.7	1.457	2.435	4.9	18.0
11 17	3 8.40	+ 5 54.5	1.475	2.446	5.6	18.0
11 27	2 59.13	+ 5 28.1	1.521	2.457	9.2	18.3
12 7	2 51.74	+ 5 19.9	1.591	2.467	13.0	18.5
12 17	2 46.89	+ 5 30.2	1.682	2.477	16.3	18.8

420033 2011 DA_2 11 12.8 333°.25 5°.4/16.9 17

10 8	3 39.28	+35 28.5	2.294	3.054	14.1	21.0
10 18	3 34.28	+35 49.5	2.207	3.053	11.6	20.9
10 28	3 27.00	+35 54.0	2.142	3.052	9.0	20.7
11 7	3 18.13	+35 39.9	2.102	3.051	6.5	20.5
11 17	3 8.64	+35 7.2	2.090	3.049	5.4	20.5
11 27	2 59.67	+34 18.7	2.105	3.048	6.6	20.5
12 7	2 52.21	+33 20.1	2.149	3.048	9.0	20.7
12 17	2 46.97	+32 17.9	2.217	3.047	11.7	20.9

383557 2007 EC_{39} 11 12.8 286°.87 1°.8/11.9 18

10 8	3 40.12	+15 15.7	1.537	2.378	16.2	21.7
10 18	3 35.60	+14 54.4	1.449	2.361	12.4	21.4
10 28	3 28.21	+14 26.2	1.383	2.344	8.0	21.1
11 7	3 18.70	+13 54.0	1.341	2.327	3.2	20.8
11 17	3 8.20	+13 21.9	1.327	2.311	3.3	20.8
11 27	2 58.17	+12 55.3	1.339	2.294	8.2	21.0
12 7	2 49.95	+12 39.2	1.377	2.277	13.0	21.2
12 17	2 44.46	+12 37.0	1.436	2.260	17.2	21.5

149777 2004 RX_{208} 11 12.8 182°.51 6°.0/17.8 18

10 8	3 40.79	+38 29.2	2.321	3.063	14.4	20.0
10 18	3 35.43	+38 42.9	2.234	3.063	12.1	19.8
10 28	3 27.71	+38 37.9	2.167	3.063	9.6	19.6
11 7	3 18.39	+38 11.8	2.126	3.063	7.2	19.5
11 17	3 8.48	+37 24.6	2.111	3.063	6.0	19.4
11 27	2 59.16	+36 19.6	2.125	3.063	6.9	19.5
12 7	2 51.45	+35 3.2	2.167	3.062	9.2	19.6
12 17	2 46.06	+33 42.7	2.234	3.061	11.7	19.8

516511 2006 BP_{234} 11 12.8 293°.86 0°.5/12.6 18

10 8	3 39.71	+17 56.7	1.580	2.417	16.1	22.0
10 18	3 35.24	+17 45.6	1.494	2.403	12.3	21.7
10 28	3 27.94	+17 25.9	1.428	2.389	7.9	21.4
11 7	3 18.58	+16 59.4	1.388	2.374	3.0	21.1
11 17	3 8.29	+16 29.2	1.374	2.360	2.4	21.0
11 27	2 58.49	+16 0.4	1.388	2.346	7.5	21.3
12 7	2 50.48	+15 38.2	1.427	2.332	12.3	21.5
12 17	2 45.16	+15 26.9	1.489	2.319	16.4	21.8

239950 2001 EE_4 11 12.8 146°.34 6°.2/ 8.4 18

10 8	3 38.51	+ 1 27.7	2.171	2.997	12.7	20.4
10 18	3 33.17	+ 0 19.5	2.111	3.006	10.0	20.3
10 28	3 26.00	− 0 44.2	2.076	3.014	7.5	20.1
11 7	3 17.68	− 1 37.6	2.068	3.022	6.2	20.1
11 17	3 9.02	− 2 16.0	2.089	3.029	7.0	20.1
11 27	3 0.90	− 2 36.0	2.137	3.036	9.2	20.3
12 7	2 54.10	− 2 36.5	2.211	3.042	11.7	20.5
12 17	2 49.15	− 2 18.5	2.307	3.048	14.0	20.6

461289 2015 XL_{77} 11 12.8 162°.93 4°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.70	+ 4 29.3	2.357	3.185	11.7	21.2
10 18	3 31.76	+ 3 48.7	2.287	3.187	9.1	21.0
10 28	3 25.12	+ 3 10.7	2.241	3.189	6.4	20.9
11 7	3 17.37	+ 2 39.3	2.223	3.190	4.7	20.8
11 17	3 9.23	+ 2 18.2	2.234	3.192	5.3	20.8
11 27	3 1.54	+ 2 10.1	2.274	3.193	7.7	21.0
12 7	2 55.01	+ 2 16.3	2.340	3.194	10.3	21.1
12 17	2 50.17	+ 2 36.7	2.430	3.195	12.8	21.3

319193 2005 YV_{154} 11 12.8 335°.36 0°.2/12.7 16

10 8	3 33.51	+18 13.6	2.440	3.265	11.5	20.1
10 18	3 29.56	+18 7.3	2.348	3.251	8.8	19.9
10 28	3 23.86	+17 55.3	2.280	3.238	5.6	19.7
11 7	3 16.95	+17 39.0	2.240	3.226	2.1	19.4
11 17	3 9.52	+17 20.2	2.228	3.214	1.6	19.4
11 27	3 2.40	+17 1.9	2.245	3.202	5.1	19.6
12 7	2 56.35	+16 47.0	2.291	3.192	8.5	19.8
12 17	2 51.98	+16 38.1	2.361	3.181	11.4	20.0

344094 1999 RD_{126} 11 12.8 75°.39 1°.6/11.9 18

10 8	3 41.77	+16 39.9	1.645	2.477	15.7	20.2
10 18	3 36.03	+15 55.3	1.596	2.504	11.8	20.0
10 28	3 27.92	+15 3.4	1.571	2.531	7.3	19.8
11 7	3 18.39	+14 8.3	1.572	2.558	2.8	19.6
11 17	3 8.59	+13 15.1	1.601	2.584	2.9	19.7
11 27	2 59.73	+12 29.4	1.659	2.611	7.2	20.0
12 7	2 52.75	+11 55.6	1.743	2.636	11.1	20.3
12 17	2 48.21	+11 36.2	1.850	2.662	14.4	20.6

198030 2004 RO_{238} 11 12.8 130°.49 4°.3/ 9.9 18

10 8	3 39.86	+ 9 25.3	1.863	2.698	14.1	21.4
10 18	3 34.47	+ 8 17.0	1.801	2.709	10.7	21.2
10 28	3 26.94	+ 7 6.9	1.764	2.719	7.1	21.0
11 7	3 18.06	+ 6 0.5	1.754	2.730	4.5	20.9
11 17	3 8.79	+ 5 3.7	1.772	2.740	5.3	21.0
11 27	3 0.20	+ 4 21.7	1.819	2.749	8.4	21.2
12 7	2 53.18	+ 3 57.3	1.891	2.758	11.8	21.4
12 17	2 48.32	+ 3 51.3	1.987	2.766	14.7	21.6

446858 2001 UH_{129} 11 12.8 357°.72 2°.5/13.7 17

10 8	3 39.62	+21 8.8	1.372	2.213	17.8	20.1
10 18	3 35.58	+22 0.9	1.300	2.208	13.9	19.9
10 28	3 28.36	+22 45.2	1.248	2.205	9.3	19.6
11 7	3 18.79	+23 19.7	1.220	2.203	4.4	19.3
11 17	3 8.19	+23 43.3	1.217	2.202	3.1	19.3
11 27	2 58.22	+23 57.9	1.240	2.202	7.6	19.5
12 7	2 50.37	+24 7.5	1.288	2.204	12.4	19.8
12 17	2 45.61	+24 17.2	1.358	2.207	16.5	20.1

452747 2006 BA_{174} 11 12.8 323°.20 1°.5/11.9 18

10 8	3 37.14	+14 30.8	2.088	2.918	12.9	21.2
10 18	3 32.47	+14 15.5	2.007	2.914	9.8	21.0
10 28	3 25.76	+13 56.1	1.951	2.910	6.2	20.8
11 7	3 17.67	+13 35.0	1.921	2.906	2.5	20.5
11 17	3 9.04	+13 14.9	1.920	2.903	2.6	20.5
11 27	3 0.86	+12 59.3	1.948	2.899	6.3	20.7
12 7	2 54.01	+12 51.0	2.003	2.896	9.9	21.0
12 17	2 49.12	+12 52.3	2.082	2.893	13.0	21.2

395027 2009 CN_{45} 11 12.8 71°.20 1°.2/12.2 18

10 8	3 40.02	+15 48.8	1.736	2.569	15.0	21.3
10 18	3 34.96	+15 33.4	1.665	2.573	11.4	21.1
10 28	3 27.46	+15 12.3	1.617	2.578	7.2	20.8
11 7	3 18.32	+14 47.7	1.596	2.582	2.7	20.6
11 17	3 8.61	+14 23.1	1.602	2.586	2.6	20.6
11 27	2 59.53	+14 2.6	1.636	2.590	7.0	20.9
12 7	2 52.14	+13 50.1	1.697	2.595	11.1	21.1
12 17	2 47.15	+13 48.1	1.781	2.599	14.6	21.3

490433 2009 SJ_{107} 11 12.8 295°.63 2°.5/10.7 18

10 8	3 34.73	+14 20.3	2.169	3.002	12.4	21.2
10 18	3 30.53	+13 10.7	2.086	2.995	9.4	21.0
10 28	3 24.48	+11 54.4	2.028	2.988	6.0	20.8
11 7	3 17.18	+10 35.6	1.998	2.981	2.9	20.6
11 17	3 9.43	+ 9 20.0	1.998	2.975	3.6	20.6
11 27	3 2.12	+ 8 13.1	2.027	2.968	6.9	20.8
12 7	2 56.05	+ 7 19.6	2.082	2.961	10.3	21.0
12 17	2 51.81	+ 6 42.1	2.162	2.955	13.2	21.2

305138 2007 VY_{157} 11 12.8 172°.56 1°.8/11.7 18

10 8	3 40.32	+13 16.5	2.234	3.056	12.5	21.2
10 18	3 34.67	+12 59.2	2.157	3.059	9.5	21.0
10 28	3 27.06	+12 38.8	2.104	3.061	6.0	20.8
11 7	3 18.15	+12 17.7	2.078	3.063	2.6	20.6
11 17	3 8.76	+11 58.5	2.083	3.064	2.8	20.6
11 27	2 59.86	+11 44.4	2.118	3.065	6.2	20.8
12 7	2 52.27	+11 38.1	2.180	3.065	9.6	21.1
12 17	2 46.61	+11 41.2	2.267	3.065	12.5	21.3

519872 2013 NE_{31} 11 12.8 319°.90 5°.7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.49	+ 1 43.9	2.230	3.061	12.2	21.5
10 18	3 31.02	+ 1 0.7	2.157	3.055	9.6	21.3
10 28	3 24.75	+ 0 22.1	2.108	3.049	7.2	21.2
11 7	3 17.29	− 0 7.4	2.085	3.044	5.7	21.1
11 17	3 9.38	− 0 23.7	2.090	3.038	6.4	21.1
11 27	3 1.88	− 0 24.0	2.123	3.032	8.6	21.2
12 7	2 55.56	− 0 7.3	2.181	3.027	11.3	21.4
12 17	2 50.98	+ 0 25.5	2.262	3.022	13.7	21.6

333355 2001 UU_{117} 11 12.8 36°.08 0°.3/12.9 18

10 8	3 40.34	+19 46.2	1.125	1.980	19.9	19.5
10 18	3 36.04	+19 36.1	1.081	1.999	15.1	19.3
10 28	3 28.42	+19 13.8	1.057	2.020	9.6	19.1
11 7	3 18.70	+18 41.9	1.054	2.041	3.6	18.8
11 17	3 8.46	+18 5.1	1.076	2.063	2.5	18.8
11 27	2 59.43	+17 30.3	1.123	2.086	8.2	19.2
12 7	2 52.93	+17 3.9	1.194	2.109	13.2	19.6
12 17	2 49.64	+16 50.0	1.285	2.134	17.3	19.9

409671 2005 YY_{236} 11 12.8 232°.58 0°.5/12.5 17

10 8	3 36.70	+18 5.0	2.447	3.264	11.7	22.2
10 18	3 31.90	+17 41.4	2.358	3.258	8.9	22.0
10 28	3 25.31	+17 11.1	2.294	3.251	5.6	21.8
11 7	3 17.51	+16 36.1	2.257	3.243	2.1	21.6
11 17	3 9.24	+15 59.0	2.251	3.236	1.8	21.5
11 27	3 1.34	+15 23.5	2.274	3.228	5.3	21.8
12 7	2 54.59	+14 53.1	2.326	3.221	8.7	22.0
12 17	2 49.56	+14 30.8	2.404	3.212	11.6	22.1

472782 2015 FV_{149} 11 12.8 346°.70 6°.0/10.2 18

10 8	3 36.70	+ 8 39.6	1.122	1.992	18.9	20.4
10 18	3 33.53	+ 7 42.3	1.059	1.985	14.6	20.1
10 28	3 27.09	+ 6 43.4	1.016	1.979	9.9	19.9
11 7	3 18.32	+ 5 50.8	0.995	1.973	6.3	19.6
11 17	3 8.66	+ 5 13.0	0.997	1.969	7.3	19.7
11 27	2 59.81	+ 4 56.9	1.022	1.966	11.7	19.9
12 7	2 53.20	+ 5 5.7	1.070	1.964	16.4	20.2
12 17	2 49.76	+ 5 38.4	1.135	1.963	20.5	20.5

156883 2003 EG_{4} 11 12.8 230°.01 5°.1/15.9 18

10 8	3 44.26	+32 17.0	1.956	2.732	15.6	20.9
10 18	3 38.53	+32 42.1	1.862	2.722	12.8	20.7
10 28	3 29.98	+32 50.9	1.789	2.712	9.5	20.5
11 7	3 19.38	+32 40.4	1.741	2.702	6.4	20.3
11 17	3 7.87	+32 9.8	1.721	2.690	5.1	20.2
11 27	2 56.84	+31 22.3	1.729	2.679	7.1	20.3
12 7	2 47.60	+30 24.6	1.764	2.667	10.5	20.4
12 17	2 41.03	+29 24.5	1.824	2.654	13.8	20.6

69434 de Gerlache 11 12.8 140°.06 0°.5/13.2 18

10 8	3 39.08	+20 2.7	2.967	3.766	10.3	19.4
10 18	3 33.30	+20 6.2	2.890	3.778	7.8	19.2
10 28	3 26.00	+20 4.2	2.839	3.790	5.0	19.1
11 7	3 17.72	+19 57.2	2.817	3.801	2.0	18.9
11 17	3 9.11	+19 46.3	2.825	3.811	1.3	18.8
11 27	3 0.89	+19 33.8	2.866	3.822	4.3	19.1
12 7	2 53.70	+19 22.0	2.936	3.831	7.0	19.3
12 17	2 48.04	+19 13.3	3.034	3.841	9.5	19.5

291768 2006 KK_{22} 11 12.8 210°.48 2°.4/11.2 18

10 8	3 38.85	+13 44.6	1.961	2.792	13.6	21.3
10 18	3 33.85	+12 59.8	1.881	2.788	10.3	21.1
10 28	3 26.69	+12 9.5	1.825	2.785	6.6	20.8
11 7	3 18.05	+11 17.5	1.797	2.780	3.1	20.6
11 17	3 8.87	+10 28.6	1.797	2.776	3.5	20.6
11 27	3 0.21	+ 9 47.5	1.826	2.771	7.2	20.8
12 7	2 52.99	+ 9 18.5	1.882	2.766	10.9	21.1
12 17	2 47.89	+ 9 3.7	1.961	2.761	14.2	21.3

472245 2014 KE_{78} 11 12.8 234°.45 2°.6/11.1 17

10 8	3 42.77	+23 18.2	1.093	1.941	21.0	20.8
10 18	3 38.32	+20 50.1	1.020	1.936	16.0	20.4
10 28	3 30.16	+17 48.7	0.967	1.931	10.1	20.1
11 7	3 19.45	+14 23.8	0.939	1.926	3.9	19.7
11 17	3 7.92	+10 54.0	0.939	1.921	4.9	19.8
11 27	2 57.53	+ 7 41.7	0.965	1.915	11.3	20.1
12 7	2 49.84	+ 5 4.4	1.016	1.909	17.2	20.4
12 17	2 45.70	+ 3 10.4	1.086	1.903	22.0	20.7

397604 2007 VC_{128} 11 12.8 177°.32 1°.6/13.8 18

10 8	3 42.05	+22 53.9	2.057	2.863	14.0	21.6
10 18	3 36.34	+23 4.6	1.975	2.865	10.8	21.4
10 28	3 28.32	+23 5.9	1.916	2.865	7.2	21.2
11 7	3 18.68	+22 57.5	1.884	2.866	3.3	21.0
11 17	3 8.42	+22 40.5	1.881	2.866	2.1	20.9
11 27	2 58.67	+22 18.2	1.908	2.866	5.8	21.1
12 7	2 50.46	+21 54.9	1.963	2.866	9.5	21.4
12 17	2 44.49	+21 34.9	2.042	2.865	12.8	21.6

213405 2001 WM_8 11 12.8 39°.96 3°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.06	+ 8 59.6	1.670	2.510	15.2	19.6
10 18	3 34.91	+ 8 48.6	1.611	2.521	11.5	19.4
10 28	3 27.38	+ 8 38.7	1.575	2.533	7.5	19.1
11 7	3 18.30	+ 8 33.3	1.564	2.545	4.1	19.0
11 17	3 8.74	+ 8 35.2	1.581	2.557	4.4	19.0
11 27	2 59.89	+ 8 47.2	1.625	2.570	8.0	19.3
12 7	2 52.77	+ 9 10.5	1.696	2.583	11.7	19.5
12 17	2 48.02	+ 9 45.3	1.789	2.596	15.0	19.8

298429 2003 TN_{53} 11 12.8 183°.79 3°.8/10.4 18

10 8	3 38.04	+10 43.5	1.798	2.638	14.3	20.9
10 18	3 33.34	+ 9 47.3	1.727	2.638	10.9	20.7
10 28	3 26.39	+ 8 47.9	1.680	2.638	7.1	20.5
11 7	3 17.95	+ 7 50.3	1.658	2.638	4.1	20.3
11 17	3 8.98	+ 7 0.2	1.665	2.638	4.8	20.3
11 27	3 0.60	+ 6 22.7	1.700	2.638	8.3	20.5
12 7	2 53.76	+ 6 1.4	1.760	2.637	11.9	20.8
12 17	2 49.13	+ 5 57.6	1.842	2.637	15.1	21.0

412872 2014 QR_{15} 11 12.8 194°.39 2°.1/14.5 18

10 8	3 37.88	+27 2.0	2.249	3.046	13.2	20.8
10 18	3 33.00	+26 40.7	2.163	3.045	10.4	20.7
10 28	3 26.09	+26 6.0	2.101	3.045	7.1	20.5
11 7	3 17.82	+25 18.5	2.066	3.044	3.6	20.2
11 17	3 9.07	+24 20.6	2.059	3.043	2.3	20.1
11 27	3 0.83	+23 17.1	2.083	3.042	5.3	20.3
12 7	2 53.98	+22 13.5	2.135	3.040	8.7	20.6
12 17	2 49.13	+21 15.3	2.212	3.039	11.8	20.8

517098 2013 CP_{224} 11 12.8 191°.11 1°.8/11.7 18

10 8	3 39.77	+12 50.3	2.415	3.235	11.7	22.0
10 18	3 34.16	+12 38.4	2.333	3.233	8.9	21.8
10 28	3 26.72	+12 24.0	2.275	3.232	5.7	21.6
11 7	3 18.05	+12 9.3	2.246	3.230	2.5	21.4
11 17	3 8.90	+11 56.5	2.246	3.227	2.6	21.4
11 27	3 0.16	+11 48.4	2.277	3.224	5.9	21.6
12 7	2 52.61	+11 47.1	2.337	3.221	9.1	21.8
12 17	2 46.84	+11 54.3	2.422	3.217	11.9	22.0

420593 2012 HO_{36} 11 12.8 179°.10 4°.3/ 9.5 18

10 8	3 35.74	+ 4 40.9	2.530	3.356	11.0	21.4
10 18	3 30.97	+ 3 59.3	2.457	3.357	8.6	21.3
10 28	3 24.62	+ 3 19.8	2.410	3.357	6.1	21.1
11 7	3 17.24	+ 2 46.4	2.391	3.357	4.4	21.0
11 17	3 9.50	+ 2 22.4	2.401	3.357	5.0	21.1
11 27	3 2.15	+ 2 10.6	2.439	3.357	7.3	21.2
12 7	2 55.87	+ 2 12.3	2.505	3.357	9.8	21.4
12 17	2 51.15	+ 2 27.8	2.594	3.356	12.1	21.5

305623 2009 AD_{32} 11 12.8 169°.10 1°.3/13.7 18

10 8	3 40.40	+23 28.0	2.181	2.986	13.3	21.5
10 18	3 34.90	+23 15.6	2.100	2.989	10.3	21.3
10 28	3 27.30	+22 52.5	2.042	2.992	6.8	21.1
11 7	3 18.28	+22 19.4	2.012	2.994	3.0	20.9
11 17	3 8.75	+21 38.7	2.010	2.996	1.9	20.8
11 27	2 59.76	+20 54.5	2.039	2.997	5.5	21.1
12 7	2 52.20	+20 11.6	2.096	2.998	9.1	21.3
12 17	2 46.73	+19 34.5	2.179	2.999	12.2	21.5

444874 2007 VB_{329} 11 12.8 285°.93 3°.7/15.4 17

10 8	3 39.12	+30 28.8	1.889	2.684	15.5	21.2
10 18	3 34.63	+30 13.6	1.787	2.664	12.5	20.9
10 28	3 27.51	+29 39.7	1.706	2.643	8.9	20.7
11 7	3 18.47	+28 45.8	1.650	2.622	5.3	20.4
11 17	3 8.58	+27 33.8	1.622	2.601	3.7	20.3
11 27	2 59.15	+26 9.0	1.622	2.580	6.6	20.4
12 7	2 51.38	+24 39.8	1.649	2.560	10.5	20.6
12 17	2 46.13	+23 14.7	1.701	2.539	14.3	20.8

422043 2014 QO_{357} 11 12.8 129°.97 3°.7/ 9.8 18

10 8	3 35.29	+ 8 21.9	2.377	3.209	11.5	21.3
10 18	3 30.71	+ 7 26.4	2.308	3.213	8.8	21.1
10 28	3 24.48	+ 6 30.3	2.263	3.217	5.9	21.0
11 7	3 17.19	+ 5 37.7	2.246	3.221	3.9	20.9
11 17	3 9.55	+ 4 52.8	2.259	3.224	4.5	20.9
11 27	3 2.35	+ 4 19.3	2.301	3.228	7.1	21.1
12 7	2 56.30	+ 3 59.7	2.369	3.232	9.9	21.3
12 17	2 51.90	+ 3 54.8	2.462	3.235	12.4	21.4

288505 2004 FT_{93} 11 12.8 215°.39 3°.2/10.4 18

10 8	3 37.29	+10 38.0	2.251	3.081	12.1	21.4
10 18	3 32.40	+ 9 46.4	2.170	3.075	9.2	21.2
10 28	3 25.65	+ 8 51.9	2.113	3.070	6.1	21.0
11 7	3 17.66	+ 7 58.6	2.084	3.064	3.5	20.9
11 17	3 9.20	+ 7 10.9	2.085	3.057	4.1	20.9
11 27	3 1.16	+ 6 33.0	2.115	3.050	7.1	21.1
12 7	2 54.35	+ 6 8.1	2.172	3.043	10.3	21.3
12 17	2 49.34	+ 5 57.8	2.253	3.036	13.1	21.4

69717 1998 HH_{108} 11 12.8 116°.03 2°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.48	+11 3.2	1.914	2.742	14.0	19.8
10 18	3 36.46	+10 47.7	1.851	2.755	10.6	19.6
10 28	3 28.25	+10 31.0	1.811	2.768	6.8	19.4
11 7	3 18.62	+10 15.9	1.799	2.781	3.3	19.2
11 17	3 8.55	+10 5.4	1.815	2.793	3.6	19.3
11 27	2 59.15	+10 2.6	1.860	2.805	7.1	19.5
12 7	2 51.35	+10 9.4	1.933	2.817	10.7	19.8
12 17	2 45.76	+10 26.9	2.030	2.828	13.8	20.0

96995 1999 TH_{220} 11 12.8 336°.38 7°.2/16.1 18

10 8	3 46.33	+33 48.0	1.734	2.511	17.3	19.4
10 18	3 40.60	+35 3.2	1.654	2.509	14.4	19.2
10 28	3 31.59	+36 2.5	1.593	2.507	11.2	19.0
11 7	3 20.08	+36 40.3	1.557	2.506	8.3	18.8
11 17	3 7.41	+36 53.1	1.547	2.504	7.2	18.8
11 27	2 55.28	+36 41.9	1.564	2.503	8.8	18.9
12 7	2 45.24	+36 13.0	1.606	2.502	11.8	19.0
12 17	2 38.36	+35 34.8	1.672	2.501	14.9	19.2

477465 2009 XZ_1 11 12.8 156°.55 13°.8/11.8 17

10 8	5 33.52	+ 4 16.9	0.402	1.201	51.1	22.0
10 18	5 9.09	+ 2 41.4	0.362	1.243	40.7	21.6
10 28	4 31.47	+ 1 3.5	0.332	1.274	28.0	21.1
11 7	3 42.76	− 0 13.3	0.322	1.296	16.0	20.7
11 17	2 52.36	− 0 40.7	0.338	1.309	16.2	20.8
11 27	2 11.46	− 0 9.9	0.380	1.312	26.4	21.4
12 7	1 44.34	+ 1 3.2	0.439	1.307	35.9	22.0
12 17	1 29.37	+ 2 41.0	0.508	1.292	43.1	22.5

453489 2009 SF_{297} 11 12.8 5°.97 6°.6/16.9 17

10 8	3 36.99	+34 24.2	1.602	2.397	17.8	20.1
10 18	3 33.40	+34 57.8	1.530	2.398	14.7	19.9
10 28	3 26.86	+35 10.6	1.477	2.400	11.2	19.7
11 7	3 18.23	+34 59.7	1.447	2.403	8.0	19.6
11 17	3 8.80	+34 24.9	1.442	2.407	6.6	19.5
11 27	3 0.10	+33 30.4	1.462	2.413	8.1	19.6
12 7	2 53.44	+32 24.5	1.508	2.419	11.2	19.8
12 17	2 49.65	+31 16.0	1.576	2.426	14.5	20.0

8982 Oreshek 11 12.8 41°.25 3°.5/10.9 18

10 8	3 38.62	+14 17.4	1.203	2.063	18.6	16.5
10 18	3 34.52	+13 11.0	1.153	2.076	14.0	16.3
10 28	3 27.40	+11 57.0	1.124	2.089	8.9	16.1
11 7	3 18.35	+10 42.4	1.119	2.103	4.2	15.8
11 17	3 8.80	+ 9 35.7	1.138	2.118	5.0	15.9
11 27	3 0.29	+ 8 44.7	1.183	2.133	9.6	16.2
12 7	2 54.03	+ 8 14.3	1.251	2.149	14.2	16.6
12 17	2 50.71	+ 8 6.0	1.340	2.165	18.1	16.9

47512 2000 AY_{60} 11 12.8 341°.45 0°.8/13.3 18

10 8	3 39.07	+21 4.9	1.673	2.502	15.7	19.0
10 18	3 34.53	+21 0.7	1.596	2.499	12.1	18.7
10 28	3 27.38	+20 46.1	1.540	2.496	7.8	18.5
11 7	3 18.40	+20 22.0	1.509	2.494	3.2	18.2
11 17	3 8.69	+19 51.0	1.505	2.492	2.0	18.1
11 27	2 59.58	+19 17.7	1.529	2.490	6.7	18.4
12 7	2 52.22	+18 47.5	1.580	2.488	11.0	18.7
12 17	2 47.40	+18 25.2	1.653	2.486	14.8	18.9

77652 2001 KF_{72} 11 12.8 108°.03 0°.8/12.2 18

10 8	3 37.01	+16 33.8	2.584	3.401	11.1	20.5
10 18	3 31.89	+16 14.0	2.516	3.415	8.4	20.3
10 28	3 25.17	+15 49.4	2.472	3.429	5.3	20.2
11 7	3 17.45	+15 22.1	2.457	3.443	2.0	20.0
11 17	3 9.41	+14 54.4	2.471	3.456	1.8	20.0
11 27	3 1.84	+14 29.3	2.517	3.469	5.0	20.2
12 7	2 55.40	+14 9.6	2.591	3.482	8.0	20.4
12 17	2 50.59	+13 57.3	2.690	3.494	10.6	20.6

162831 2001 CV_4 11 12.8 307°.31 2°.7/11.6 18

10 8	3 38.85	+12 40.0	1.585	2.429	15.7	19.2
10 18	3 34.52	+12 19.7	1.500	2.414	12.0	18.9
10 28	3 27.49	+11 55.7	1.437	2.398	7.7	18.6
11 7	3 18.49	+11 31.2	1.399	2.384	3.5	18.4
11 17	3 8.61	+11 10.5	1.388	2.369	3.9	18.3
11 27	2 59.19	+10 58.0	1.404	2.355	8.3	18.6
12 7	2 51.47	+10 57.6	1.445	2.341	12.8	18.8
12 17	2 46.34	+11 11.1	1.507	2.327	16.7	19.0

289132 2004 UO_8 11 12.8 23°.32 2°.3/14.1 18

10 8	3 38.91	+24 0.5	1.857	2.673	14.9	20.2
10 18	3 34.17	+24 18.2	1.785	2.679	11.6	20.0
10 28	3 27.03	+24 25.2	1.735	2.684	7.8	19.8
11 7	3 18.24	+24 21.0	1.710	2.691	3.9	19.6
11 17	3 8.84	+24 6.8	1.714	2.698	2.6	19.5
11 27	3 0.03	+23 46.0	1.745	2.705	6.1	19.7
12 7	2 52.86	+23 23.1	1.803	2.712	9.8	20.0
12 17	2 48.04	+23 3.0	1.886	2.720	13.2	20.2

318518 2005 EU_{191} 11 12.8 114°35 2°4/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.64	+14 40.6	1.694	2.524	15.5	21.5
10 18	3 37.47	+13 47.4	1.638	2.544	11.6	21.3
10 28	3 28.91	+12 48.1	1.605	2.564	7.3	21.1
11 7	3 18.86	+11 47.2	1.599	2.583	3.2	20.9
11 17	3 8.46	+10 50.2	1.621	2.601	3.6	21.0
11 27	2 58.94	+10 3.0	1.673	2.619	7.7	21.3
12 7	2 51.28	+ 9 29.8	1.751	2.636	11.6	21.5
12 17	2 46.08	+ 9 12.6	1.852	2.652	14.8	21.8

451947 2014 MR_{24} 11 12.8 113°58 2°7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.58	+27 44.5	2.199	2.993	13.6	21.4
10 18	3 34.30	+27 40.1	2.123	3.002	10.7	21.2
10 28	3 26.92	+27 22.6	2.071	3.010	7.4	21.0
11 7	3 18.15	+26 51.9	2.044	3.019	4.1	20.8
11 17	3 8.92	+26 9.9	2.046	3.027	2.8	20.8
11 27	3 0.28	+25 20.6	2.078	3.036	5.4	20.9
12 7	2 53.11	+24 29.4	2.138	3.044	8.7	21.2
12 17	2 48.04	+23 41.4	2.224	3.052	11.7	21.4

445924 2012 XN_{117} 11 12.8 87°50 7°7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.49	+38 53.2	1.852	2.601	17.3	21.0
10 18	3 40.33	+39 41.1	1.786	2.617	14.6	20.9
10 28	3 31.11	+40 7.5	1.739	2.633	11.7	20.7
11 7	3 19.79	+40 8.0	1.716	2.649	9.0	20.6
11 17	3 7.77	+39 41.3	1.719	2.664	7.7	20.6
11 27	2 56.62	+38 51.0	1.748	2.680	8.6	20.6
12 7	2 47.69	+37 44.9	1.804	2.695	10.9	20.8
12 17	2 41.78	+36 32.6	1.884	2.710	13.6	21.0

147881 2006 QZ_{117} 11 12.8 357°57 1°0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.57	+18 4.9	1.367	2.221	17.1	19.2
10 18	3 31.50	+17 33.2	1.298	2.217	13.0	19.0
10 28	3 25.61	+16 50.7	1.249	2.214	8.3	18.7
11 7	3 17.77	+16 1.1	1.225	2.212	3.1	18.4
11 17	3 9.19	+15 9.8	1.226	2.211	2.8	18.4
11 27	3 1.32	+14 23.6	1.252	2.212	8.0	18.7
12 7	2 55.37	+13 48.8	1.303	2.213	12.7	19.0
12 17	2 52.15	+13 29.2	1.375	2.216	16.8	19.2

359297 2009 HN_{77} 11 12.8 215°43 1°4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.16	+22 17.0	2.204	3.010	13.2	21.5
10 18	3 35.59	+22 25.7	2.115	3.005	10.2	21.3
10 28	3 27.84	+22 25.9	2.050	3.000	6.7	21.1
11 7	3 18.55	+22 17.5	2.012	2.994	3.0	20.8
11 17	3 8.62	+22 1.6	2.003	2.988	1.9	20.7
11 27	2 59.11	+21 41.0	2.024	2.981	5.5	21.0
12 7	2 50.98	+21 19.9	2.073	2.975	9.2	21.2
12 17	2 44.94	+21 2.1	2.147	2.967	12.4	21.4

431710 2008 EF_{117} 11 12.8 250°55 1°3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.88	+21 45.3	1.588	2.413	16.6	21.8
10 18	3 37.73	+21 47.5	1.503	2.403	12.9	21.5
10 28	3 29.61	+21 38.4	1.439	2.394	8.5	21.3
11 7	3 19.32	+21 18.1	1.400	2.384	3.6	21.0
11 17	3 8.06	+20 48.5	1.387	2.374	2.3	20.8
11 27	2 57.36	+20 14.3	1.403	2.363	7.2	21.1
12 7	2 48.58	+19 41.7	1.445	2.353	11.9	21.4
12 17	2 42.64	+19 16.4	1.510	2.342	16.1	21.6

163843 2003 SP_{56} 11 12.8 192°71 6°5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.71	+37 3.3	2.187	2.933	15.1	20.5
10 18	3 39.47	+37 43.9	2.099	2.931	12.7	20.3
10 28	3 30.51	+38 7.2	2.031	2.929	10.0	20.1
11 7	3 19.61	+38 9.5	1.988	2.927	7.6	20.0
11 17	3 7.87	+37 49.1	1.973	2.924	6.5	19.9
11 27	2 56.67	+37 8.4	1.986	2.920	7.5	20.0
12 7	2 47.22	+36 13.4	2.026	2.916	10.0	20.1
12 17	2 40.37	+35 11.6	2.092	2.912	12.6	20.3

214681 2006 SQ_{207} 11 12.9 122°85 3°6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.51	+29 5.4	2.243	3.024	13.8	21.1
10 18	3 37.30	+29 30.8	2.170	3.037	11.0	21.0
10 28	3 28.85	+29 43.4	2.119	3.050	7.8	20.8
11 7	3 18.90	+29 41.9	2.095	3.062	4.8	20.6
11 17	3 8.42	+29 26.6	2.099	3.074	3.7	20.6
11 27	2 58.52	+29 0.1	2.134	3.086	5.8	20.8
12 7	2 50.18	+28 27.5	2.197	3.097	8.8	21.0
12 17	2 44.07	+27 53.8	2.285	3.108	11.6	21.2

24354 Caz 11 12.9 324°10 2°9/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.71	+12 49.5	1.817	2.661	14.0	19.5
10 18	3 31.02	+12 6.8	1.731	2.644	10.6	19.3
10 28	3 25.08	+11 19.0	1.667	2.629	6.9	19.0
11 7	3 17.55	+10 30.2	1.630	2.613	3.4	18.8
11 17	3 9.34	+ 9 45.2	1.620	2.598	4.0	18.8
11 27	3 1.56	+ 9 9.5	1.637	2.584	7.8	19.0
12 7	2 55.19	+ 8 47.1	1.681	2.570	11.7	19.2
12 17	2 50.97	+ 8 40.3	1.746	2.557	15.2	19.4

161875 2007 CK_{25} 11 12.9 133°34 2°3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.11	+25 33.5	1.787	2.594	15.7	20.4
10 18	3 37.40	+25 31.3	1.715	2.603	12.3	20.2
10 28	3 29.08	+25 15.3	1.664	2.611	8.3	20.0
11 7	3 19.01	+24 45.4	1.639	2.619	4.1	19.7
11 17	3 8.35	+24 3.7	1.642	2.626	2.7	19.7
11 27	2 58.42	+23 15.3	1.674	2.633	6.3	19.9
12 7	2 50.34	+22 26.6	1.733	2.640	10.3	20.2
12 17	2 44.84	+21 43.4	1.817	2.646	13.9	20.4

455323 2002 NS_{46} 11 12.9 60°99 10°0/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.97	+52 22.2	2.314	2.964	16.7	20.8
10 18	3 39.89	+52 54.8	2.243	2.979	14.9	20.7
10 28	3 30.76	+53 1.8	2.189	2.993	13.1	20.5
11 7	3 19.63	+52 38.6	2.156	3.008	11.4	20.5
11 17	3 7.95	+51 43.5	2.145	3.023	10.3	20.4
11 27	2 57.32	+50 19.5	2.160	3.037	10.1	20.4
12 7	2 49.00	+48 34.2	2.200	3.052	10.9	20.5
12 17	2 43.70	+46 37.2	2.265	3.067	12.4	20.6

523694 2014 GF_{50} 11 12.9 93°81 7°6/11.6 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 3.32	+ 5 14.2	0.680	1.546	28.2	22.1
10 18	3 54.29	+ 4 55.7	0.654	1.575	21.6	21.8
10 28	3 40.19	+ 4 46.9	0.643	1.603	14.5	21.6
11 7	3 23.07	+ 4 55.1	0.652	1.631	8.5	21.4
11 17	3 5.76	+ 5 24.2	0.682	1.658	8.8	21.6
11 27	2 51.13	+ 6 14.8	0.735	1.683	14.1	22.0
12 7	2 40.96	+ 7 23.7	0.807	1.707	19.7	22.4
12 17	2 35.79	+ 8 46.2	0.895	1.729	24.2	22.8

423069 2003 WG_{151} 11 12.9 272°12 4°0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.33	+11 11.2	1.462	2.309	16.6	20.9
10 18	3 35.75	+10 23.5	1.384	2.299	12.7	20.7
10 28	3 28.30	+ 9 31.3	1.328	2.289	8.4	20.4
11 7	3 18.81	+ 8 40.1	1.297	2.279	4.5	20.1
11 17	3 8.47	+ 7 56.2	1.292	2.268	5.3	20.2
11 27	2 58.72	+ 7 25.9	1.314	2.258	9.6	20.4
12 7	2 50.87	+ 7 13.5	1.360	2.248	14.0	20.6
12 17	2 45.77	+ 7 20.6	1.427	2.237	18.0	20.9

454050 2012 GB_{28} 11 12.9 212°67 4°7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 34.84	+ 4 47.3	2.526	3.354	11.0	21.7
10 18	3 30.34	+ 3 44.0	2.451	3.351	8.5	21.6
10 28	3 24.26	+ 2 41.9	2.402	3.347	6.1	21.4
11 7	3 17.15	+ 1 45.6	2.380	3.344	4.7	21.3
11 17	3 9.67	+ 0 59.4	2.388	3.340	5.4	21.4
11 27	3 2.57	+ 0 26.9	2.424	3.335	7.6	21.5
12 7	2 56.51	+ 0 10.0	2.487	3.331	10.1	21.6
12 17	2 52.00	+ 0 9.3	2.574	3.326	12.4	21.8

139834 2001 RD_{37} 11 12.9 87°98 1°6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.65	+16 14.7	1.913	2.745	13.9	20.1
10 18	3 32.98	+15 33.5	1.839	2.747	10.5	19.9
10 28	3 26.15	+14 45.2	1.789	2.749	6.6	19.7
11 7	3 17.90	+13 53.2	1.766	2.752	2.6	19.4
11 17	3 9.15	+13 1.8	1.771	2.754	2.8	19.4
11 27	3 0.98	+12 16.3	1.805	2.757	6.7	19.7
12 7	2 54.30	+11 41.1	1.866	2.759	10.5	19.9
12 17	2 49.74	+11 19.0	1.950	2.761	13.8	20.1

149952 2005 TK_{15} 11 12.9 115°87 4°5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.85	+30 39.1	1.715	2.506	16.9	20.7
10 18	3 38.94	+30 54.3	1.645	2.518	13.6	20.5
10 28	3 30.17	+30 51.7	1.596	2.529	9.8	20.3
11 7	3 19.44	+30 29.4	1.572	2.540	6.1	20.1
11 17	3 8.08	+29 48.3	1.575	2.551	4.6	20.0
11 27	2 57.55	+28 53.4	1.606	2.561	7.0	20.2
12 7	2 49.11	+27 52.5	1.664	2.571	10.7	20.4
12 17	2 43.50	+26 53.5	1.746	2.581	14.1	20.7

32877 1993 FU_{73} 11 12.9 65°46 0°3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.33	+19 52.6	1.196	2.042	19.6	18.3
10 18	3 38.20	+19 22.4	1.146	2.060	14.9	18.1
10 28	3 29.79	+18 39.1	1.116	2.078	9.4	17.8
11 7	3 19.28	+17 46.3	1.109	2.096	3.5	17.6
11 17	3 8.26	+16 49.8	1.128	2.115	2.6	17.6
11 27	2 58.43	+15 57.5	1.173	2.133	8.3	18.0
12 7	2 51.12	+15 16.6	1.242	2.152	13.3	18.3
12 17	2 47.02	+14 51.5	1.332	2.170	17.4	18.6

113943 2002 TV_{295} 11 12.9 67°17 11°3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 58.60	+38 0.5	1.475	2.229	20.9	18.9
10 18	3 51.11	+40 29.8	1.412	2.242	17.9	18.7
10 28	3 38.98	+42 40.1	1.369	2.255	14.7	18.6
11 7	3 23.10	+44 19.0	1.349	2.268	12.2	18.5
11 17	3 5.36	+45 17.3	1.354	2.281	11.3	18.4
11 27	2 48.37	+45 33.9	1.385	2.294	12.4	18.5
12 7	2 34.50	+45 17.4	1.440	2.308	14.7	18.7
12 17	2 25.18	+44 41.0	1.516	2.321	17.3	18.9

523317 2017 BX_{136} 11 12.9 137°.21 4°.9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 36.19	+ 4 2.8	2.349	3.178	11.7	21.7
10 18	3 31.41	+ 3 11.8	2.282	3.182	9.1	21.5
10 28	3 24.96	+ 2 23.6	2.241	3.186	6.5	21.4
11 7	3 17.43	+ 1 42.4	2.226	3.190	5.0	21.3
11 17	3 9.53	+ 1 12.3	2.241	3.194	5.6	21.3
11 27	3 2.09	+ 0 56.4	2.284	3.198	7.9	21.5
12 7	2 55.81	+ 0 56.1	2.353	3.201	10.5	21.7
12 17	2 51.21	+ 1 11.1	2.445	3.205	12.8	21.8

228073 2008 PT_{6} 11 12.9 160°.29 1°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.67	+22 4.8	2.642	3.443	11.4	20.8
10 18	3 33.29	+22 8.0	2.560	3.447	8.7	20.6
10 28	3 26.17	+22 3.9	2.502	3.451	5.7	20.4
11 7	3 17.90	+21 52.8	2.472	3.454	2.5	20.2
11 17	3 9.19	+21 36.0	2.472	3.457	1.6	20.2
11 27	3 0.88	+21 16.1	2.503	3.460	4.7	20.4
12 7	2 53.71	+20 56.0	2.563	3.463	7.7	20.6
12 17	2 48.23	+20 39.1	2.649	3.465	10.4	20.8

464449 2016 BQ_{36} 11 12.9 334°.74 6°.3/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.81	+33 53.0	1.830	2.616	16.2	20.4
10 18	3 33.93	+34 34.9	1.738	2.600	13.5	20.2
10 28	3 27.26	+34 59.9	1.666	2.585	10.4	19.9
11 7	3 18.48	+35 4.5	1.617	2.571	7.5	19.7
11 17	3 8.71	+34 47.1	1.594	2.558	6.3	19.6
11 27	2 59.36	+34 10.1	1.598	2.545	7.9	19.7
12 7	2 51.76	+33 19.7	1.627	2.533	10.9	19.9
12 17	2 46.85	+32 23.8	1.679	2.522	14.2	20.0

429551 2011 CR_{34} 11 12.9 193°.35 2°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.75	+26 37.7	1.982	2.778	14.8	22.1
10 18	3 37.82	+26 37.4	1.896	2.776	11.7	21.9
10 28	3 29.38	+26 23.4	1.832	2.774	8.0	21.7
11 7	3 19.17	+25 55.2	1.794	2.771	4.2	21.5
11 17	3 8.28	+25 14.2	1.785	2.767	2.9	21.4
11 27	2 57.96	+24 24.8	1.805	2.763	6.1	21.6
12 7	2 49.31	+23 33.1	1.854	2.758	9.9	21.8
12 17	2 43.10	+22 45.2	1.927	2.752	13.4	22.0

331992 Chasseral 11 12.9 191°.43 2°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.42	+23 54.3	1.707	2.517	16.2	21.6
10 18	3 39.46	+24 10.1	1.625	2.516	12.7	21.4
10 28	3 30.61	+24 14.3	1.566	2.514	8.5	21.2
11 7	3 19.69	+24 5.6	1.532	2.513	4.2	20.9
11 17	3 7.92	+23 45.1	1.526	2.510	2.7	20.8
11 27	2 56.78	+23 16.5	1.549	2.507	6.8	21.1
12 7	2 47.55	+22 45.7	1.598	2.504	11.1	21.3
12 17	2 41.12	+22 18.7	1.672	2.500	14.9	21.5

279249 2009 VD_{39} 11 12.9 355°.96 0°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.27	+17 9.0	1.332	2.177	18.0	20.2
10 18	3 37.58	+17 30.6	1.262	2.175	13.9	20.0
10 28	3 29.65	+17 46.4	1.212	2.173	8.9	19.7
11 7	3 19.38	+17 56.7	1.185	2.172	3.4	19.4
11 17	3 8.15	+18 2.7	1.185	2.171	2.4	19.3
11 27	2 57.63	+18 7.8	1.210	2.171	8.0	19.7
12 7	2 49.30	+18 15.9	1.260	2.172	13.0	19.9
12 17	2 44.11	+18 30.8	1.332	2.173	17.3	20.2

518733 2009 HA_{4} 11 12.9 285°.57 6°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.77	+ 4 35.6	1.850	2.691	13.9	21.5
10 18	3 32.34	+ 3 21.9	1.781	2.688	10.9	21.3
10 28	3 25.78	+ 2 9.8	1.736	2.684	7.9	21.1
11 7	3 17.79	+ 1 5.7	1.717	2.681	6.1	21.0
11 17	3 9.30	+ 0 16.0	1.725	2.678	7.0	21.0
11 27	3 1.34	− 0 14.5	1.760	2.675	9.8	21.2
12 7	2 54.82	− 0 23.7	1.820	2.671	12.9	21.4
12 17	2 50.38	− 0 11.8	1.900	2.668	15.7	21.6

14603 1998 SK_{115} 11 12.9 305°.82 5°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.46	+29 42.7	1.731	2.526	16.6	17.9
10 18	3 38.39	+30 42.0	1.639	2.513	13.5	17.7
10 28	3 30.22	+31 28.5	1.568	2.499	10.1	17.4
11 7	3 19.66	+31 58.1	1.522	2.486	6.8	17.2
11 17	3 7.88	+32 8.0	1.502	2.473	5.6	17.1
11 27	2 56.48	+31 59.4	1.510	2.460	7.9	17.2
12 7	2 46.94	+31 37.8	1.543	2.448	11.5	17.4
12 17	2 40.33	+31 10.3	1.600	2.436	15.1	17.6

20448 1999 JM_{96} 11 12.9 42°.03 8°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.20	− 1 25.1	1.278	2.122	18.7	18.0
10 18	3 38.38	− 1 46.1	1.239	2.142	14.9	17.8
10 28	3 29.68	− 1 53.4	1.220	2.162	11.1	17.7
11 7	3 19.22	− 1 41.1	1.224	2.184	8.7	17.6
11 17	3 8.39	− 1 6.0	1.253	2.206	9.1	17.7
11 27	2 58.68	− 0 8.1	1.307	2.228	11.9	17.9
12 7	2 51.25	+ 1 9.2	1.384	2.251	15.2	18.2
12 17	2 46.72	+ 2 41.0	1.482	2.274	18.3	18.5

8361 1990 JN_{1} 11 12.9 140°.37 0°.1/12.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.30	+19 54.9	2.044	2.865	13.5	17.8
10 18	3 33.44	+19 35.8	1.966	2.866	10.3	17.6
10 28	3 26.46	+19 7.9	1.911	2.867	6.6	17.4
11 7	3 18.05	+18 33.1	1.883	2.868	2.5	17.1
11 17	3 9.12	+17 54.2	1.883	2.869	1.7	17.1
11 27	3 0.72	+17 15.6	1.913	2.871	5.8	17.4
12 7	2 53.75	+16 41.7	1.971	2.872	9.6	17.6
12 17	2 48.86	+16 16.3	2.052	2.872	12.9	17.8

58773 1998 FE_{57} 11 12.9 314°.43 0°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.45	+17 6.2	2.030	2.857	13.3	19.3
10 18	3 32.79	+16 39.8	1.951	2.856	10.1	19.1
10 28	3 26.05	+16 6.5	1.896	2.855	6.4	18.9
11 7	3 17.90	+15 28.8	1.868	2.854	2.4	18.6
11 17	3 9.23	+14 50.2	1.869	2.853	2.2	18.6
11 27	3 1.06	+14 14.9	1.899	2.853	6.2	18.8
12 7	2 54.29	+13 46.9	1.955	2.852	9.9	19.1
12 17	2 49.55	+13 29.4	2.036	2.851	13.2	19.3

176237 2001 QC_{213} 11 12.9 48°.03 0°.7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.73	+18 0.8	1.549	2.387	16.3	19.7
10 18	3 34.79	+17 35.5	1.500	2.410	12.3	19.5
10 28	3 27.34	+17 1.9	1.473	2.433	7.7	19.3
11 7	3 18.34	+16 23.0	1.470	2.457	2.8	19.1
11 17	3 8.99	+15 43.2	1.495	2.481	2.4	19.1
11 27	3 0.53	+15 7.7	1.548	2.505	7.0	19.5
12 7	2 53.99	+14 41.1	1.627	2.530	11.1	19.8
12 17	2 49.96	+14 26.5	1.728	2.555	14.6	20.0

486450 2013 GR_{9} 11 12.9 283°.08 3°.6/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.06	+26 18.1	1.933	2.733	15.0	21.8
10 18	3 37.66	+27 0.2	1.837	2.718	12.0	21.6
10 28	3 29.53	+27 32.2	1.763	2.703	8.4	21.4
11 7	3 19.35	+27 51.6	1.715	2.688	5.0	21.1
11 17	3 8.14	+27 57.1	1.694	2.673	3.8	21.0
11 27	2 57.26	+27 50.4	1.703	2.658	6.7	21.2
12 7	2 47.97	+27 35.8	1.738	2.643	10.5	21.4
12 17	2 41.21	+27 19.0	1.798	2.628	14.0	21.6

107802 2001 FT_{58} 11 12.9 96°.22 2°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.97	+20 3.0	1.625	2.429	17.2	18.7
10 18	3 46.56	+21 12.7	1.564	2.452	13.3	18.5
10 28	3 35.01	+22 15.8	1.526	2.474	8.7	18.3
11 7	3 21.30	+23 8.8	1.515	2.496	4.0	18.1
11 17	3 6.87	+23 49.4	1.534	2.518	2.8	18.0
11 27	2 53.38	+24 18.6	1.583	2.539	7.0	18.3
12 7	2 42.20	+24 40.0	1.661	2.559	11.2	18.6
12 17	2 34.18	+24 58.5	1.762	2.579	14.8	18.9

257934 2000 WC_{176} 11 12.9 13°.06 3°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.99	+11 35.3	1.229	2.082	18.7	20.1
10 18	3 38.15	+11 33.4	1.165	2.083	14.3	19.8
10 28	3 29.99	+11 30.2	1.122	2.085	9.2	19.6
11 7	3 19.50	+11 29.1	1.102	2.087	4.2	19.3
11 17	3 8.12	+11 33.4	1.107	2.089	4.3	19.3
11 27	2 57.59	+11 46.7	1.137	2.092	9.3	19.6
12 7	2 49.38	+12 11.5	1.192	2.095	14.3	19.9
12 17	2 44.40	+12 48.5	1.266	2.099	18.5	20.2

4375 Kiyomori 11 12.9 204°.76 3°.8/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.66	+10 41.1	1.689	2.525	15.2	17.1
10 18	3 36.32	+ 9 55.3	1.613	2.522	11.6	16.9
10 28	3 28.46	+ 9 6.5	1.561	2.519	7.6	16.6
11 7	3 18.85	+ 8 19.3	1.534	2.515	4.2	16.4
11 17	3 8.58	+ 7 39.1	1.536	2.510	4.9	16.4
11 27	2 58.91	+ 7 11.1	1.565	2.506	8.7	16.7
12 7	2 50.96	+ 6 58.9	1.620	2.500	12.6	16.9
12 17	2 45.46	+ 7 3.8	1.697	2.495	16.1	17.1

398172 2010 HN_{23} 11 12.9 205°.67 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.23	+10 26.7	2.033	2.858	13.4	22.0
10 18	3 36.39	+10 16.6	1.952	2.855	10.3	21.8
10 28	3 28.36	+10 5.9	1.895	2.851	6.7	21.6
11 7	3 18.79	+ 9 57.2	1.865	2.847	3.3	21.4
11 17	3 8.62	+ 9 53.0	1.864	2.842	3.6	21.4
11 27	2 58.92	+ 9 56.2	1.893	2.837	7.1	21.6
12 7	2 50.65	+10 8.7	1.949	2.832	10.7	21.8
12 17	2 44.51	+10 31.5	2.030	2.826	13.9	22.0

308979 2006 TZ_{116} 11 12.9 151°.66 2°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.18	+12 12.4	2.063	2.892	13.1	21.1
10 18	3 33.98	+11 46.7	1.989	2.895	9.9	20.9
10 28	3 26.75	+11 18.3	1.940	2.898	6.4	20.7
11 7	3 18.16	+10 50.2	1.918	2.901	3.0	20.5
11 17	3 9.09	+10 25.9	1.925	2.904	3.4	20.6
11 27	3 0.54	+10 8.8	1.961	2.906	6.8	20.8
12 7	2 53.39	+10 1.7	2.024	2.908	10.3	21.0
12 17	2 48.24	+10 6.1	2.111	2.910	13.3	21.2

403759 2011 BH_{58} 11 12.9 345°.94 1°.4/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 34.94	+15 43.7	1.614	2.461	15.3	20.7
10 18	3 31.48	+15 25.2	1.536	2.451	11.6	20.5
10 28	3 25.52	+15 0.3	1.479	2.442	7.4	20.2
11 7	3 17.79	+14 31.8	1.447	2.434	2.9	19.9
11 17	3 9.34	+14 3.6	1.442	2.426	2.8	19.9
11 27	3 1.40	+13 40.4	1.463	2.420	7.4	20.2
12 7	2 55.09	+13 26.6	1.510	2.415	11.7	20.4
12 17	2 51.19	+13 24.9	1.579	2.410	15.5	20.7

455709 2005 EP_{280} 11 12.9 256°.20 0°.9/13.6 18

10 8	3 37.96	+21 57.7	3.061	3.857	10.1	22.0
10 18	3 32.72	+21 57.7	2.949	3.834	7.8	21.8
10 28	3 25.85	+21 50.9	2.862	3.811	5.1	21.6
11 7	3 17.84	+21 37.9	2.804	3.787	2.3	21.4
11 17	3 9.29	+21 19.5	2.777	3.762	1.4	21.3
11 27	3 0.94	+20 57.9	2.781	3.738	4.3	21.5
12 7	2 53.48	+20 35.9	2.815	3.712	7.2	21.6
12 17	2 47.47	+20 16.5	2.876	3.686	9.8	21.8

494751 2005 WG_{186} 11 12.9 315°.79 4°.5/10.2 17

10 8	3 36.24	+ 7 13.0	1.899	2.740	13.6	21.0
10 18	3 32.06	+ 6 34.8	1.815	2.725	10.5	20.7
10 28	3 25.71	+ 5 57.1	1.755	2.710	7.2	20.5
11 7	3 17.84	+ 5 24.3	1.721	2.696	4.7	20.3
11 17	3 9.31	+ 5 1.1	1.714	2.682	5.4	20.4
11 27	3 1.19	+ 4 51.5	1.734	2.668	8.5	20.5
12 7	2 54.44	+ 4 57.7	1.780	2.655	12.0	20.7
12 17	2 49.75	+ 5 20.1	1.849	2.642	15.2	20.9

385780 2006 AO_{95} 11 12.9 356°.89 1°.7/11.7 16

10 8	3 32.27	+14 28.8	2.110	2.949	12.5	20.5
10 18	3 28.82	+14 1.3	2.033	2.945	9.4	20.3
10 28	3 23.52	+13 29.5	1.980	2.941	6.0	20.1
11 7	3 16.97	+12 56.1	1.953	2.938	2.5	19.9
11 17	3 9.95	+12 24.6	1.954	2.937	2.7	19.9
11 27	3 3.36	+11 58.7	1.984	2.936	6.2	20.1
12 7	2 57.98	+11 41.8	2.041	2.936	9.6	20.3
12 17	2 54.41	+11 35.7	2.121	2.937	12.7	20.5

109702 2001 RK_{41} 11 12.9 351°.98 1°.1/12.2 18

10 8	3 37.10	+17 39.2	1.804	2.639	14.5	20.1
10 18	3 32.77	+17 1.1	1.729	2.637	11.0	19.9
10 28	3 26.15	+16 14.2	1.676	2.636	6.9	19.6
11 7	3 17.99	+15 21.9	1.649	2.635	2.6	19.4
11 17	3 9.26	+14 28.4	1.650	2.634	2.5	19.4
11 27	3 1.10	+13 39.6	1.679	2.634	6.8	19.6
12 7	2 54.50	+13 0.3	1.735	2.634	10.8	19.9
12 17	2 50.14	+12 34.0	1.814	2.634	14.3	20.1

59322 1999 CB_{95} 11 12.9 199°.52 0°.6/12.5 18

10 8	3 42.06	+17 33.2	1.961	2.782	14.0	20.1
10 18	3 36.42	+17 18.4	1.878	2.779	10.7	19.9
10 28	3 28.45	+16 56.6	1.819	2.776	6.8	19.6
11 7	3 18.86	+16 29.5	1.786	2.772	2.5	19.3
11 17	3 8.64	+16 0.0	1.782	2.767	2.1	19.3
11 27	2 58.92	+15 32.0	1.808	2.763	6.4	19.6
12 7	2 50.74	+15 9.7	1.861	2.757	10.4	19.8
12 17	2 44.82	+14 56.6	1.939	2.751	13.8	20.0

448696 2010 XK_{23} 11 12.9 101°.26 4°.7/ 9.9 18

10 8	3 37.89	+ 4 28.5	2.198	3.027	12.4	21.4
10 18	3 32.81	+ 3 53.7	2.133	3.034	9.6	21.2
10 28	3 25.92	+ 3 22.1	2.092	3.040	6.8	21.0
11 7	3 17.84	+ 2 57.7	2.078	3.046	4.8	20.9
11 17	3 9.39	+ 2 44.0	2.093	3.052	5.4	21.0
11 27	3 1.43	+ 2 43.6	2.136	3.059	7.9	21.1
12 7	2 54.75	+ 2 57.6	2.206	3.065	10.7	21.3
12 17	2 49.88	+ 3 25.5	2.299	3.071	13.2	21.5

122665 2000 RS_{99} 11 12.9 94°.74 3°.9/15.6 18

10 8	3 44.10	+30 55.2	1.768	2.557	16.6	20.3
10 18	3 38.12	+30 46.2	1.706	2.578	13.2	20.1
10 28	3 29.50	+30 18.4	1.664	2.598	9.4	19.9
11 7	3 19.20	+29 31.4	1.648	2.618	5.6	19.7
11 17	3 8.49	+28 27.8	1.659	2.637	4.0	19.7
11 27	2 58.71	+27 13.9	1.700	2.656	6.5	19.9
12 7	2 50.95	+25 57.8	1.767	2.675	10.1	20.1
12 17	2 45.86	+24 47.1	1.860	2.693	13.4	20.4

146800 2001 YW_{45} 11 12.9 42°.46 5°.1/16.7 18

10 8	3 39.40	+34 23.7	1.721	2.507	17.1	19.6
10 18	3 34.79	+34 10.7	1.655	2.520	13.9	19.4
10 28	3 27.50	+33 35.3	1.608	2.534	10.3	19.2
11 7	3 18.48	+32 37.0	1.586	2.548	6.8	19.0
11 17	3 8.99	+31 18.5	1.590	2.563	5.1	19.0
11 27	3 0.39	+29 46.5	1.622	2.578	6.9	19.1
12 7	2 53.77	+28 10.6	1.681	2.593	10.2	19.4
12 17	2 49.81	+26 39.4	1.765	2.609	13.5	19.6

5129 Groom 11 12.9 257°.54 6°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.81	+ 6 40.4	1.621	2.466	15.3	16.6
10 18	3 34.26	+ 5 21.9	1.547	2.458	11.9	16.3
10 28	3 27.22	+ 4 2.2	1.496	2.449	8.4	16.1
11 7	3 18.43	+ 2 48.6	1.470	2.440	6.1	16.0
11 17	3 8.96	+ 1 48.7	1.471	2.431	7.2	16.0
11 27	3 0.07	+ 1 8.9	1.498	2.421	10.5	16.2
12 7	2 52.83	+ 0 52.4	1.550	2.412	14.2	16.4
12 17	2 48.02	+ 0 59.5	1.622	2.403	17.5	16.6

46029 2001 DF_{22} 11 12.9 212°.64 6°.8/ 8.8 18

10 8	3 39.92	− 0 12.5	2.020	2.846	13.5	19.2
10 18	3 34.57	− 1 1.9	1.949	2.842	10.8	19.0
10 28	3 27.15	− 1 45.0	1.902	2.837	8.3	18.8
11 7	3 18.35	− 2 16.1	1.881	2.833	6.8	18.7
11 17	3 9.03	− 2 30.6	1.887	2.828	7.6	18.8
11 27	3 0.22	− 2 25.7	1.921	2.823	9.9	18.9
12 7	2 52.78	− 2 0.8	1.980	2.817	12.6	19.1
12 17	2 47.37	− 1 17.5	2.061	2.812	15.2	19.3

454314 2014 KK_6 11 12.9 95°.03 1°.0/12.3 18

10 8	3 40.68	+16 31.8	2.076	2.897	13.3	22.2
10 18	3 34.98	+16 10.5	2.017	2.918	10.0	22.0
10 28	3 27.29	+15 43.7	1.981	2.939	6.3	21.8
11 7	3 18.36	+15 13.5	1.973	2.959	2.4	21.6
11 17	3 9.10	+14 43.2	1.995	2.979	2.2	21.6
11 27	3 0.50	+14 16.3	2.046	2.998	5.9	21.9
12 7	2 53.39	+13 56.4	2.124	3.018	9.4	22.2
12 17	2 48.32	+13 45.6	2.228	3.036	12.4	22.4

511757 2015 DA_{154} 11 12.9 102°.01 3°.6/10.9 18

10 8	3 43.71	+ 9 53.0	1.727	2.559	15.1	21.4
10 18	3 37.51	+ 9 17.9	1.674	2.580	11.5	21.2
10 28	3 28.98	+ 8 42.3	1.645	2.601	7.5	21.0
11 7	3 19.01	+ 8 10.1	1.641	2.621	4.1	20.8
11 17	3 8.68	+ 7 45.7	1.667	2.641	4.6	20.9
11 27	2 59.19	+ 7 32.8	1.721	2.660	8.0	21.2
12 7	2 51.49	+ 7 33.4	1.801	2.679	11.6	21.4
12 17	2 46.19	+ 7 48.0	1.904	2.697	14.7	21.7

1760 Sandra 11 12.9 211°.68 0°.1/12.9 18 R

10 8	3 36.06	+20 41.5	2.708	3.517	10.9	16.6
10 18	3 31.31	+20 10.9	2.618	3.512	8.3	16.4
10 28	3 24.95	+19 32.4	2.553	3.507	5.3	16.2
11 7	3 17.51	+18 47.6	2.517	3.502	2.0	16.0
11 17	3 9.67	+17 59.0	2.511	3.497	1.4	15.9
11 27	3 2.20	+17 10.5	2.535	3.491	4.7	16.1
12 7	2 55.78	+16 25.8	2.589	3.485	7.8	16.3
12 17	2 50.94	+15 48.2	2.669	3.479	10.5	16.5

60642 2000 FP_{37} 11 12.9 94°.64 1°.3/12.3 18

10 8	3 44.85	+15 29.1	1.669	2.496	15.8	19.1
10 18	3 38.53	+15 17.6	1.614	2.518	11.9	18.9
10 28	3 29.71	+15 0.6	1.581	2.540	7.5	18.7
11 7	3 19.30	+14 40.7	1.575	2.561	2.9	18.4
11 17	3 8.49	+14 20.9	1.597	2.581	2.6	18.5
11 27	2 58.55	+14 5.3	1.648	2.602	7.0	18.8
12 7	2 50.52	+13 57.2	1.726	2.621	11.1	19.1
12 17	2 45.05	+13 59.1	1.827	2.641	14.5	19.3

100313 1995 LD_1 11 12.9 71°.66 2°.7/11.4 18

10 8	3 40.82	+13 29.9	1.568	2.408	16.0	19.8
10 18	3 35.62	+12 50.3	1.513	2.425	12.0	19.5
10 28	3 27.93	+12 6.1	1.481	2.442	7.6	19.3
11 7	3 18.64	+11 21.6	1.474	2.459	3.5	19.1
11 17	3 8.94	+10 42.0	1.495	2.475	3.9	19.2
11 27	3 0.08	+10 12.4	1.544	2.492	7.9	19.5
12 7	2 53.10	+ 9 56.2	1.617	2.509	11.9	19.8
12 17	2 48.61	+ 9 55.0	1.714	2.526	15.4	20.0

1777 Gehrels 11 12.9 302°.58 1°.9/13.9 18

10 8	3 40.29	+23 57.0	1.789	2.605	15.3	15.8
10 18	3 35.41	+23 57.5	1.709	2.604	12.0	15.6
10 28	3 27.97	+23 45.8	1.651	2.602	8.0	15.3
11 7	3 18.74	+23 22.0	1.618	2.600	3.8	15.1
11 17	3 8.81	+22 48.1	1.613	2.599	2.4	15.0
11 27	2 59.46	+22 8.6	1.637	2.597	6.3	15.2
12 7	2 51.82	+21 29.1	1.687	2.595	10.4	15.5
12 17	2 46.66	+20 55.3	1.761	2.594	14.1	15.7

50527 2000 EE_6 11 12.9 344°.68 6°.9/ 8.5 18

10 8	3 33.89	+ 6 31.4	1.429	2.289	16.1	19.0
10 18	3 30.79	+ 4 58.5	1.362	2.281	12.6	18.8
10 28	3 25.12	+ 3 24.2	1.318	2.273	9.0	18.6
11 7	3 17.68	+ 1 57.6	1.297	2.266	6.9	18.5
11 17	3 9.57	+ 0 47.7	1.302	2.260	8.1	18.5
11 27	3 2.08	+ 0 1.9	1.332	2.255	11.5	18.7
12 7	2 56.33	− 0 16.4	1.384	2.251	15.2	18.9
12 17	2 53.06	− 0 7.7	1.456	2.248	18.6	19.1

226964 2004 VC_{83} 11 12.9 194°.42 0°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.89	+19 22.9	2.358	3.173	12.1	21.2
10 18	3 32.92	+19 14.5	2.276	3.173	9.3	21.0
10 28	3 26.08	+18 59.4	2.217	3.172	5.9	20.8
11 7	3 17.97	+18 38.6	2.186	3.171	2.3	20.6
11 17	3 9.38	+18 14.3	2.184	3.170	1.5	20.5
11 27	3 1.20	+17 49.6	2.212	3.169	5.2	20.8
12 7	2 54.25	+17 27.9	2.269	3.168	8.6	21.0
12 17	2 49.13	+17 12.2	2.351	3.167	11.6	21.2

112313 2002 LL_{55} 11 12.9 167°.85 2°.7/14.8 18

10 8	3 41.74	+27 49.3	2.200	2.989	13.7	20.6
10 18	3 36.04	+27 44.1	2.117	2.993	10.8	20.4
10 28	3 28.14	+27 25.4	2.057	2.996	7.5	20.2
11 7	3 18.76	+26 53.1	2.024	2.999	4.2	20.0
11 17	3 8.84	+26 8.7	2.020	3.001	2.8	19.9
11 27	2 59.49	+25 16.4	2.046	3.003	5.6	20.1
12 7	2 51.65	+24 21.8	2.101	3.005	8.9	20.3
12 17	2 45.97	+23 30.4	2.181	3.005	12.0	20.5

225307 1996 GV_{6} 11 12.9 98°.70 1°.1/13.6 18

10 8	3 39.84	+21 28.4	2.320	3.127	12.5	20.5
10 18	3 34.41	+21 40.3	2.244	3.135	9.6	20.4
10 28	3 27.03	+21 44.9	2.192	3.143	6.3	20.2
11 7	3 18.33	+21 42.1	2.167	3.150	2.8	20.0
11 17	3 9.15	+21 33.3	2.172	3.158	1.7	19.9
11 27	3 0.44	+21 20.8	2.207	3.165	5.1	20.1
12 7	2 53.05	+21 8.1	2.271	3.173	8.5	20.4
12 17	2 47.58	+20 58.3	2.360	3.180	11.4	20.6

13135 1994 QX 11 12.9 13°.65 9°.8/19.1 18

10 8	3 42.44	+41 30.8	1.554	2.312	19.8	17.8
10 18	3 38.12	+42 26.5	1.483	2.314	17.0	17.6
10 28	3 30.21	+42 56.5	1.429	2.317	14.1	17.4
11 7	3 19.71	+42 54.5	1.396	2.321	11.3	17.3
11 17	3 8.17	+42 17.9	1.386	2.325	9.9	17.2
11 27	2 57.54	+41 10.5	1.400	2.330	10.5	17.2
12 7	2 49.42	+39 42.1	1.439	2.336	12.8	17.4
12 17	2 44.79	+38 4.7	1.500	2.342	15.6	17.6

17029 Cuillandre 11 12.9 91°.12 0°.4/12.6 18

10 8	3 38.51	+18 40.3	1.999	2.823	13.7	18.0
10 18	3 33.60	+18 17.0	1.927	2.829	10.4	17.8
10 28	3 26.58	+17 45.8	1.878	2.835	6.6	17.6
11 7	3 18.17	+17 8.8	1.855	2.842	2.4	17.4
11 17	3 9.28	+16 29.4	1.862	2.848	1.9	17.4
11 27	3 0.96	+15 51.9	1.898	2.854	6.0	17.6
12 7	2 54.11	+15 20.7	1.961	2.860	9.7	17.9
12 17	2 49.35	+14 58.9	2.048	2.866	13.0	18.1

237907 2002 PO_{52} 11 12.9 145°.18 6°.0/ 8.7 18

10 8	3 39.92	+ 0 21.2	2.318	3.136	12.2	21.5
10 18	3 34.19	− 0 33.6	2.259	3.148	9.7	21.4
10 28	3 26.73	− 1 22.8	2.224	3.158	7.3	21.3
11 7	3 18.17	− 2 1.7	2.218	3.168	6.0	21.2
11 17	3 9.29	− 2 26.2	2.239	3.178	6.7	21.3
11 27	3 0.95	− 2 33.6	2.290	3.187	8.7	21.4
12 7	2 53.86	− 2 23.4	2.366	3.195	11.1	21.6
12 17	2 48.55	− 1 56.6	2.465	3.202	13.3	21.8

66418 1999 NN_{10} 11 12.9 7°.77 13°.3/ 7.8 18

10 8	3 33.15	− 5 52.8	1.006	1.877	20.5	17.0
10 18	3 30.84	− 7 16.3	0.969	1.879	17.3	16.8
10 28	3 25.35	− 8 19.4	0.949	1.883	14.6	16.7
11 7	3 17.78	− 8 50.4	0.948	1.889	13.3	16.6
11 17	3 9.59	− 8 41.7	0.967	1.897	14.2	16.7
11 27	3 2.40	− 7 51.6	1.006	1.908	16.6	16.9
12 7	2 57.48	− 6 25.6	1.064	1.920	19.6	17.1
12 17	2 55.55	− 4 31.9	1.138	1.935	22.5	17.4

344963 2004 XT_{13} 11 12.9 337°.99 9°.6/ 9.3 18

10 8	3 40.20	− 3 18.2	1.388	2.231	17.5	19.3
10 18	3 35.71	− 3 56.7	1.322	2.220	14.4	19.1
10 28	3 28.35	− 4 22.1	1.275	2.211	11.4	18.9
11 7	3 18.94	− 4 26.3	1.251	2.202	9.7	18.7
11 17	3 8.73	− 4 3.9	1.252	2.194	10.4	18.8
11 27	2 59.17	− 3 12.4	1.277	2.187	13.1	18.9
12 7	2 51.54	− 1 54.2	1.324	2.180	16.5	19.1
12 17	2 46.69	− 0 14.4	1.390	2.175	19.7	19.3

384345 2009 TU_{26} 11 12.9 70°.15 2°.1/11.9 17

10 8	3 46.07	+13 49.6	1.370	2.210	17.9	20.7
10 18	3 39.75	+13 35.3	1.327	2.237	13.5	20.5
10 28	3 30.57	+13 16.8	1.305	2.265	8.5	20.3
11 7	3 19.64	+12 57.5	1.307	2.292	3.5	20.1
11 17	3 8.36	+12 41.0	1.337	2.320	3.5	20.2
11 27	2 58.22	+12 31.6	1.394	2.347	8.1	20.5
12 7	2 50.37	+12 32.5	1.476	2.374	12.5	20.9
12 17	2 45.43	+12 45.1	1.580	2.400	16.1	21.2

344040 2012 PO_{5} 11 12.9 103°.76 8°.0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.40	+39 55.4	1.717	2.466	18.5	20.9
10 18	3 41.27	+40 28.0	1.650	2.481	15.6	20.7
10 28	3 31.86	+40 36.0	1.601	2.495	12.5	20.6
11 7	3 20.23	+40 15.0	1.575	2.509	9.6	20.4
11 17	3 7.89	+39 24.2	1.574	2.522	8.1	20.4
11 27	2 56.59	+38 8.6	1.600	2.536	8.9	20.4
12 7	2 47.70	+36 38.0	1.652	2.549	11.4	20.6
12 17	2 42.05	+35 3.2	1.728	2.561	14.3	20.8

75162 1999 VK_{116} 11 12.9 88°.69 1°.4/12.1 18

10 8	3 41.02	+15 45.2	1.773	2.603	14.9	20.0
10 18	3 35.61	+15 22.2	1.711	2.617	11.2	19.9
10 28	3 27.89	+14 53.4	1.672	2.631	7.1	19.6
11 7	3 18.66	+14 21.6	1.659	2.645	2.8	19.4
11 17	3 8.98	+13 50.5	1.675	2.659	2.7	19.4
11 27	3 0.03	+13 24.3	1.719	2.673	6.8	19.7
12 7	2 52.77	+13 6.9	1.790	2.686	10.7	20.0
12 17	2 47.84	+13 0.7	1.885	2.699	14.1	20.2

439785 2015 GT_{40} 11 12.9 184°.58 4°.0/10.9 18

10 8	3 42.22	+ 9 42.4	1.574	2.414	16.0	21.4
10 18	3 36.91	+ 9 10.6	1.504	2.414	12.2	21.1
10 28	3 28.93	+ 8 37.7	1.456	2.414	8.1	20.9
11 7	3 19.12	+ 8 8.3	1.434	2.414	4.5	20.7
11 17	3 8.63	+ 7 47.0	1.438	2.414	5.0	20.7
11 27	2 58.81	+ 7 38.1	1.470	2.413	8.9	21.0
12 7	2 50.82	+ 7 44.4	1.528	2.412	13.0	21.2
12 17	2 45.43	+ 8 6.2	1.607	2.411	16.6	21.4

241766 2001 FQ_{101} 11 12.9 175°.41 3°.4/10.2 18

10 8	3 38.34	+11 11.4	2.139	2.969	12.7	20.8
10 18	3 33.27	+10 3.1	2.065	2.971	9.6	20.6
10 28	3 26.29	+ 8 50.9	2.016	2.972	6.3	20.4
11 7	3 18.05	+ 7 39.8	1.995	2.974	3.7	20.2
11 17	3 9.39	+ 6 34.9	2.003	2.974	4.4	20.3
11 27	3 1.25	+ 5 41.6	2.041	2.974	7.5	20.5
12 7	2 54.43	+ 5 3.5	2.106	2.974	10.7	20.7
12 17	2 49.51	+ 4 42.1	2.194	2.974	13.5	20.9

492966 2014 SN_{129} 11 12.9 255°.61 2°.4/14.5 17

10 8	3 38.97	+25 59.2	2.326	3.123	12.8	21.9
10 18	3 33.93	+26 10.7	2.238	3.119	10.1	21.7
10 28	3 26.84	+26 11.7	2.173	3.115	7.0	21.5
11 7	3 18.31	+26 1.8	2.134	3.110	3.8	21.3
11 17	3 9.19	+25 41.7	2.124	3.106	2.6	21.2
11 27	3 0.47	+25 14.3	2.145	3.102	5.3	21.4
12 7	2 53.06	+24 43.8	2.193	3.098	8.6	21.5
12 17	2 47.63	+24 14.5	2.267	3.093	11.6	21.7

228897 2003 SG_{22} 11 12.9 23°.32 4°.1/15.9 18

10 8	3 38.08	+31 18.6	2.050	2.838	14.6	20.0
10 18	3 33.53	+31 24.1	1.972	2.841	11.8	19.9
10 28	3 26.67	+31 13.5	1.915	2.845	8.6	19.7
11 7	3 18.25	+30 46.0	1.884	2.850	5.5	19.5
11 17	3 9.28	+30 2.7	1.880	2.854	4.1	19.4
11 27	3 0.89	+29 7.8	1.904	2.859	6.1	19.6
12 7	2 54.07	+28 7.6	1.956	2.865	9.2	19.8
12 17	2 49.52	+27 8.3	2.033	2.870	12.3	20.0

223538 2004 ER_{22} 11 12.9 192°.95 1°.9/11.9 18

10 8	3 42.19	+14 49.4	1.771	2.600	14.9	20.6
10 18	3 36.71	+14 21.9	1.693	2.599	11.3	20.4
10 28	3 28.74	+13 48.6	1.639	2.598	7.2	20.2
11 7	3 19.05	+13 12.5	1.610	2.596	3.0	19.9
11 17	3 8.72	+12 37.6	1.611	2.593	3.1	19.9
11 27	2 58.98	+12 8.6	1.640	2.590	7.3	20.2
12 7	2 50.91	+11 49.6	1.695	2.587	11.5	20.4
12 17	2 45.25	+11 43.4	1.774	2.583	15.0	20.6

329462 2002 QA_{4} 11 12.9 24°.70 6°.2/ 8.8 18

10 8	3 34.97	+ 2 37.5	1.916	2.757	13.5	20.3
10 18	3 30.86	+ 1 36.4	1.860	2.764	10.6	20.1
10 28	3 24.81	+ 0 39.8	1.827	2.771	7.8	20.0
11 7	3 17.51	− 0 6.3	1.819	2.780	6.3	19.9
11 17	3 9.84	− 0 37.1	1.839	2.788	7.0	20.0
11 27	3 2.72	− 0 49.0	1.886	2.797	9.4	20.1
12 7	2 56.98	− 0 41.3	1.957	2.807	12.2	20.3
12 17	2 53.17	− 0 15.0	2.049	2.817	14.7	20.5

115488 2003 UL_{21} 11 12.9 131°.47 4°.6/16.1 18

10 8	3 44.05	+33 6.0	2.732	3.483	12.3	19.1
10 18	3 37.62	+33 54.1	2.650	3.492	10.0	19.0
10 28	3 29.12	+34 30.3	2.592	3.501	7.6	18.8
11 7	3 19.18	+34 52.1	2.561	3.510	5.5	18.7
11 17	3 8.64	+34 58.5	2.559	3.518	4.6	18.7
11 27	2 58.51	+34 50.8	2.588	3.526	5.8	18.8
12 7	2 49.67	+34 32.6	2.645	3.534	8.0	18.9
12 17	2 42.80	+34 8.5	2.729	3.542	10.2	19.1

439156 2011 UU_{251} 11 12.9 16°.66 2°.5/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.19	+13 14.8	1.285	2.144	17.7	20.2
10 18	3 33.50	+13 0.2	1.230	2.151	13.4	20.0
10 28	3 26.91	+12 41.9	1.196	2.160	8.5	19.7
11 7	3 18.39	+12 23.7	1.185	2.170	3.7	19.5
11 17	3 9.24	+12 9.8	1.199	2.182	3.8	19.5
11 27	3 0.95	+12 4.5	1.238	2.194	8.5	19.9
12 7	2 54.73	+12 11.1	1.302	2.208	13.1	20.2
12 17	2 51.32	+12 30.9	1.386	2.223	17.0	20.4

424207 2007 PL_{42} 11 12.9 101°.77 5°.7/15.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.26	+29 21.6	0.856	1.691	26.4	21.5
10 18	3 49.58	+29 46.8	0.813	1.712	21.0	21.2
10 28	3 37.78	+29 44.3	0.785	1.733	14.7	21.0
11 7	3 22.54	+29 9.7	0.776	1.753	8.4	20.8
11 17	3 6.49	+28 5.0	0.790	1.772	5.9	20.7
11 27	2 52.54	+26 42.2	0.828	1.790	10.3	21.0
12 7	2 42.71	+25 18.0	0.887	1.807	16.0	21.4
12 17	2 37.77	+24 5.7	0.965	1.824	20.9	21.8

377229 2004 AE_{4} 11 12.9 188°.84 3°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.02	+28 48.4	1.698	2.498	16.7	21.1
10 18	3 38.52	+28 55.0	1.618	2.497	13.4	20.9
10 28	3 30.10	+28 44.6	1.558	2.497	9.4	20.7
11 7	3 19.63	+28 15.9	1.522	2.496	5.5	20.4
11 17	3 8.35	+27 30.0	1.514	2.494	3.9	20.3
11 27	2 57.76	+26 32.0	1.535	2.493	6.9	20.5
12 7	2 49.16	+25 29.7	1.582	2.490	11.0	20.8
12 17	2 43.39	+24 30.9	1.652	2.488	14.7	21.0

520532 2014 MO_{74} 11 12.9 126°.89 7°.1/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.23	− 3 7.9	2.267	3.085	12.5	21.5
10 18	3 32.99	− 4 4.9	2.211	3.094	10.1	21.3
10 28	3 26.01	− 4 53.7	2.180	3.103	8.1	21.2
11 7	3 17.95	− 5 29.0	2.175	3.112	7.1	21.2
11 17	3 9.56	− 5 46.9	2.197	3.120	7.8	21.2
11 27	3 1.69	− 5 44.9	2.247	3.128	9.6	21.4
12 7	2 55.06	− 5 23.4	2.322	3.136	11.8	21.5
12 17	2 50.21	− 4 44.0	2.418	3.144	13.8	21.7

490856 2011 AQ 11 12.9 246°.57 5°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.70	+36 16.9	2.488	3.238	13.3	21.5
10 18	3 34.58	+36 27.2	2.392	3.230	11.1	21.3
10 28	3 27.30	+36 21.1	2.317	3.222	8.6	21.2
11 7	3 18.51	+35 56.7	2.268	3.214	6.3	21.0
11 17	3 9.12	+35 14.0	2.246	3.205	5.1	20.9
11 27	3 0.17	+34 16.1	2.254	3.197	6.2	21.0
12 7	2 52.62	+33 8.3	2.290	3.188	8.6	21.1
12 17	2 47.16	+31 57.1	2.352	3.179	11.2	21.3

516032 2015 SP_{24} 11 12.9 45°.82 4°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.04	+ 9 0.8	1.877	2.715	13.8	21.1
10 18	3 33.33	+ 8 15.9	1.807	2.716	10.6	20.9
10 28	3 26.47	+ 7 30.0	1.760	2.716	7.1	20.7
11 7	3 18.18	+ 6 47.8	1.740	2.717	4.3	20.6
11 17	3 9.38	+ 6 13.9	1.747	2.718	4.9	20.6
11 27	3 1.13	+ 5 52.6	1.783	2.719	8.1	20.8
12 7	2 54.34	+ 5 46.5	1.844	2.720	11.6	21.0
12 17	2 49.66	+ 5 56.1	1.928	2.721	14.6	21.2

180372 2003 YH_{125} 11 12.9 21°.19 5°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.30	+28 44.2	1.026	1.869	22.3	19.3
10 18	3 37.00	+29 25.8	0.973	1.877	17.9	19.0
10 28	3 29.70	+29 45.3	0.937	1.886	12.8	18.8
11 7	3 19.57	+29 39.4	0.921	1.896	7.8	18.6
11 17	3 8.44	+29 8.5	0.928	1.907	5.8	18.5
11 27	2 58.51	+28 19.3	0.957	1.920	9.2	18.7
12 7	2 51.51	+27 23.1	1.009	1.934	14.0	19.0
12 17	2 48.34	+26 30.6	1.081	1.948	18.4	19.4

446594 2015 LS_{20} 11 12.9 73°.92 1°.6/14.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.11	+26 48.2	1.776	2.585	15.7	21.0
10 18	3 35.00	+25 58.1	1.712	2.602	12.2	20.8
10 28	3 27.50	+24 50.9	1.670	2.619	8.1	20.6
11 7	3 18.53	+23 29.1	1.655	2.636	3.7	20.3
11 17	3 9.21	+21 57.9	1.667	2.653	2.1	20.3
11 27	3 0.73	+20 24.9	1.710	2.670	6.1	20.6
12 7	2 54.07	+18 58.2	1.779	2.687	10.1	20.8
12 17	2 49.80	+17 44.0	1.874	2.703	13.5	21.1

453736 2011 BJ_{93} 11 12.9 10°.44 4°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.22	+31 12.6	2.032	2.821	14.7	20.6
10 18	3 33.71	+31 23.4	1.952	2.822	11.9	20.4
10 28	3 26.84	+31 18.5	1.894	2.824	8.7	20.2
11 7	3 18.36	+30 56.6	1.860	2.826	5.6	20.1
11 17	3 9.27	+30 18.7	1.854	2.828	4.3	20.0
11 27	3 0.74	+29 28.5	1.876	2.830	6.2	20.1
12 7	2 53.79	+28 32.2	1.925	2.833	9.4	20.3
12 17	2 49.14	+27 36.2	1.999	2.836	12.5	20.5

492935 2014 RH_{50} 11 12.9 10°.59 6°.4/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.96	+34 19.5	2.079	2.843	15.2	21.0
10 18	3 38.34	+35 29.2	1.998	2.844	12.7	20.8
10 28	3 29.99	+36 24.5	1.938	2.846	9.9	20.7
11 7	3 19.63	+37 1.2	1.904	2.848	7.4	20.5
11 17	3 8.35	+37 16.6	1.897	2.850	6.5	20.5
11 27	2 57.51	+37 12.0	1.917	2.853	7.7	20.5
12 7	2 48.37	+36 51.8	1.964	2.856	10.2	20.7
12 17	2 41.82	+36 22.8	2.036	2.859	12.8	20.9

313625 2003 RH_{14} 11 12.9 120°.63 4°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.60	+33 52.7	2.626	3.381	12.6	21.1
10 18	3 35.72	+34 14.8	2.549	3.394	10.3	20.9
10 28	3 27.87	+34 23.0	2.496	3.407	7.8	20.8
11 7	3 18.69	+34 15.9	2.468	3.420	5.5	20.7
11 17	3 9.06	+33 53.5	2.470	3.432	4.4	20.6
11 27	2 59.94	+33 18.4	2.501	3.444	5.6	20.7
12 7	2 52.18	+32 35.1	2.560	3.456	7.9	20.9
12 17	2 46.40	+31 48.8	2.646	3.467	10.3	21.1

442391 2011 UY_{35} 11 12.9 19°.16 0°.7/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.60	+16 15.5	1.456	2.301	16.8	20.9
10 18	3 35.17	+16 21.5	1.393	2.307	12.8	20.7
10 28	3 27.95	+16 21.9	1.351	2.313	8.1	20.4
11 7	3 18.81	+16 18.3	1.334	2.321	3.0	20.2
11 17	3 9.00	+16 13.0	1.343	2.329	2.4	20.1
11 27	2 59.94	+16 9.8	1.378	2.338	7.4	20.5
12 7	2 52.83	+16 12.4	1.439	2.347	11.9	20.8
12 17	2 48.44	+16 23.5	1.522	2.358	15.8	21.0

517795 2015 PY_{287} 11 12.9 29°.71 10°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.30	+42 29.6	1.838	2.562	18.3	21.0
10 18	3 44.98	+44 18.7	1.761	2.564	16.0	20.8
10 28	3 34.83	+45 48.2	1.704	2.566	13.6	20.7
11 7	3 21.65	+46 49.5	1.669	2.568	11.6	20.6
11 17	3 6.93	+47 16.5	1.658	2.570	10.6	20.5
11 27	2 52.71	+47 9.0	1.673	2.572	11.2	20.6
12 7	2 40.89	+46 33.6	1.712	2.575	13.0	20.7
12 17	2 32.74	+45 40.3	1.773	2.577	15.3	20.8

490898 2011 BU_{90} 11 12.9 119°.94 8°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.76	− 9 40.5	2.615	3.414	11.5	21.1
10 18	3 30.96	−10 51.0	2.567	3.424	9.8	21.0
10 28	3 24.67	−11 50.2	2.543	3.433	8.6	20.9
11 7	3 17.46	−12 33.2	2.546	3.442	8.2	20.9
11 17	3 9.98	−12 56.2	2.574	3.451	8.8	20.9
11 27	3 2.95	−12 57.2	2.629	3.460	10.1	21.0
12 7	2 56.98	−12 37.0	2.707	3.468	11.7	21.2
12 17	2 52.53	−11 57.6	2.805	3.477	13.2	21.3

400736 2009 SX_{358} 11 12.9 39°.28 0°.6/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.95	+22 49.5	1.618	2.447	16.1	20.6
10 18	3 33.42	+22 7.0	1.570	2.474	12.2	20.4
10 28	3 26.51	+21 11.5	1.544	2.501	7.8	20.2
11 7	3 18.18	+20 6.1	1.543	2.529	3.1	20.0
11 17	3 9.56	+18 56.4	1.570	2.557	1.9	19.9
11 27	3 1.84	+17 48.9	1.625	2.586	6.3	20.3
12 7	2 55.96	+16 50.1	1.707	2.615	10.4	20.6
12 17	2 52.46	+16 4.3	1.812	2.644	13.8	20.9

303569 2005 GK_{99} 11 12.9 93°.89 0°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.44	+20 46.1	1.936	2.754	14.3	21.3
10 18	3 35.12	+20 30.3	1.869	2.767	10.9	21.1
10 28	3 27.59	+20 5.1	1.825	2.780	7.0	20.9
11 7	3 18.62	+19 32.1	1.808	2.793	2.7	20.7
11 17	3 9.21	+18 54.3	1.819	2.806	1.7	20.7
11 27	3 0.45	+18 16.0	1.860	2.818	5.9	21.0
12 7	2 53.29	+17 42.0	1.928	2.831	9.7	21.2
12 17	2 48.34	+17 16.1	2.021	2.843	13.0	21.5

79072 3337 $T\text{-}_{3}$ 11 12.9 14°.83 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.92	+17 28.5	1.565	2.405	16.0	19.3
10 18	3 34.53	+17 11.3	1.496	2.406	12.2	19.1
10 28	3 27.50	+16 46.1	1.448	2.409	7.8	18.9
11 7	3 18.66	+16 15.3	1.425	2.411	2.9	18.6
11 17	3 9.17	+15 42.8	1.429	2.414	2.4	18.6
11 27	3 0.35	+15 13.4	1.460	2.418	7.2	18.9
12 7	2 53.35	+14 52.1	1.517	2.422	11.7	19.1
12 17	2 48.91	+14 42.2	1.596	2.426	15.4	19.4

450913 2008 CC_{207} 11 12.9 340°.70 2°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.15	+24 33.2	1.869	2.683	14.9	21.2
10 18	3 34.49	+24 31.4	1.788	2.681	11.6	21.0
10 28	3 27.40	+24 17.3	1.730	2.679	7.8	20.8
11 7	3 18.63	+23 51.0	1.697	2.678	3.8	20.5
11 17	3 9.20	+23 14.6	1.691	2.676	2.4	20.4
11 27	3 0.31	+22 32.4	1.715	2.675	6.1	20.7
12 7	2 53.05	+21 50.0	1.765	2.674	10.0	20.9
12 17	2 48.14	+21 13.0	1.839	2.673	13.5	21.1

148034 1998 QQ_{25} 11 12.9 29°.12 1°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.25	+20 35.2	0.935	1.801	22.1	18.8
10 18	3 36.60	+20 44.9	0.898	1.821	16.9	18.6
10 28	3 29.16	+20 40.5	0.878	1.842	10.8	18.3
11 7	3 19.30	+20 23.5	0.879	1.865	4.4	18.1
11 17	3 8.85	+19 58.0	0.903	1.890	2.6	18.0
11 27	2 59.83	+19 31.0	0.950	1.916	8.6	18.5
12 7	2 53.68	+19 9.9	1.019	1.943	14.0	18.9
12 17	2 51.10	+18 59.5	1.108	1.971	18.4	19.2

15461 Johnbird 11 12.9 355°.16 4°.2/15.1 17

10 8	3 40.92	+28 17.5	2.007	2.802	14.7	18.1
10 18	3 35.90	+29 5.3	1.924	2.799	11.8	17.9
10 28	3 28.37	+29 41.7	1.863	2.797	8.5	17.7
11 7	3 19.04	+30 4.2	1.828	2.796	5.4	17.5
11 17	3 8.89	+30 11.7	1.820	2.795	4.3	17.4
11 27	2 59.19	+30 6.0	1.841	2.794	6.5	17.6
12 7	2 51.05	+29 51.3	1.889	2.794	9.7	17.7
12 17	2 45.30	+29 33.0	1.961	2.794	12.9	18.0

71046 1999 XC_{85} 11 12.9 294°.03 5°.5/ 9.3 18

10 8	3 36.99	+ 2 5.4	2.220	3.049	12.3	18.7
10 18	3 32.26	+ 1 24.6	2.148	3.045	9.7	18.5
10 28	3 25.71	+ 0 48.2	2.099	3.041	7.2	18.4
11 7	3 17.94	+ 0 20.8	2.078	3.038	5.6	18.3
11 17	3 9.72	+ 0 6.3	2.084	3.034	6.2	18.3
11 27	3 1.92	+ 0 7.3	2.119	3.031	8.5	18.4
12 7	2 55.34	+ 0 24.9	2.179	3.027	11.2	18.6
12 17	2 50.53	+ 0 58.1	2.262	3.024	13.7	18.8

407210 2009 VS_{2} 11 12.9 9°.02 7°.3/19.4 17

10 8	3 39.74	+42 12.1	2.009	2.745	16.5	20.2
10 18	3 35.15	+42 10.4	1.926	2.746	14.1	20.0
10 28	3 27.86	+41 44.1	1.863	2.748	11.4	19.8
11 7	3 18.79	+40 50.2	1.821	2.750	8.9	19.7
11 17	3 9.15	+39 29.4	1.806	2.752	7.4	19.6
11 27	3 0.31	+37 46.7	1.818	2.755	8.0	19.7
12 7	2 53.39	+35 51.1	1.858	2.758	10.1	19.8
12 17	2 49.09	+33 52.7	1.923	2.762	12.8	20.0

45153 1999 XD_{113} 11 12.9 270°.40 9°.2/19.7 18

10 8	3 46.94	+44 29.3	1.742	2.468	19.1	17.5
10 18	3 41.56	+44 33.1	1.635	2.446	16.7	17.3
10 28	3 32.50	+44 6.7	1.546	2.423	13.8	17.1
11 7	3 20.72	+43 3.3	1.478	2.400	11.0	16.8
11 17	3 7.78	+41 20.0	1.435	2.377	9.3	16.7
11 27	2 55.64	+39 1.5	1.419	2.354	9.9	16.7
12 7	2 45.99	+36 20.0	1.429	2.329	12.6	16.8
12 17	2 39.86	+33 31.6	1.466	2.305	16.1	16.9

349779 2009 BK_{34} 11 12.9 14°.86 1°.1/13.5 18

10 8	3 39.77	+21 20.7	1.529	2.362	16.7	20.8
10 18	3 35.35	+21 21.6	1.459	2.364	12.9	20.5
10 28	3 28.12	+21 11.5	1.409	2.366	8.4	20.3
11 7	3 18.95	+20 51.2	1.384	2.369	3.5	20.0
11 17	3 9.04	+20 23.1	1.386	2.373	2.1	19.9
11 27	2 59.84	+19 52.1	1.415	2.377	6.9	20.2
12 7	2 52.56	+19 24.0	1.469	2.381	11.5	20.5
12 17	2 48.00	+19 3.6	1.546	2.386	15.4	20.8

79222 1994 PQ_{8} 11 12.9 72°.18 0°.6/13.3 18

10 8	3 44.07	+21 12.0	1.423	2.253	17.8	19.6
10 18	3 38.44	+20 57.3	1.371	2.275	13.6	19.4
10 28	3 29.91	+20 30.5	1.339	2.297	8.7	19.1
11 7	3 19.54	+19 53.3	1.333	2.318	3.4	18.9
11 17	3 8.71	+19 9.8	1.353	2.340	2.1	18.8
11 27	2 58.93	+18 26.2	1.401	2.361	7.2	19.2
12 7	2 51.37	+17 48.9	1.474	2.382	11.7	19.5
12 17	2 46.70	+17 22.5	1.570	2.403	15.5	19.8

91743 1999 TA_{180} 11 12.9 94°.85 0°.1/12.9 18

10 8	3 38.71	+18 57.1	2.223	3.040	12.7	20.3
10 18	3 33.58	+18 43.3	2.153	3.052	9.6	20.1
10 28	3 26.53	+18 22.5	2.107	3.063	6.1	19.9
11 7	3 18.24	+17 56.5	2.089	3.074	2.3	19.7
11 17	3 9.55	+17 27.6	2.099	3.086	1.6	19.7
11 27	3 1.40	+16 59.4	2.140	3.097	5.4	19.9
12 7	2 54.58	+16 35.6	2.209	3.107	8.8	20.2
12 17	2 49.67	+16 18.8	2.302	3.118	11.8	20.4

69212 4287 $T\text{-}_{2}$ 11 12.9 29°.54 5°.4/10.6 18

10 8	3 38.08	+10 9.5	1.059	1.930	19.7	19.1
10 18	3 34.49	+ 9 9.1	1.016	1.943	15.0	18.9
10 28	3 27.66	+ 8 7.2	0.993	1.957	9.9	18.7
11 7	3 18.74	+ 7 11.7	0.991	1.972	5.8	18.5
11 17	3 9.29	+ 6 30.6	1.013	1.988	6.6	18.6
11 27	3 0.96	+ 6 10.3	1.059	2.006	11.0	18.9
12 7	2 55.03	+ 6 13.1	1.127	2.024	15.5	19.2
12 17	2 52.19	+ 6 37.8	1.213	2.043	19.3	19.5

239154 2006 KX_{9} 11 12.9 152°.69 1°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.63	+15 23.0	2.111	2.931	13.2	20.9
10 18	3 35.88	+15 8.1	2.037	2.937	10.0	20.7
10 28	3 28.05	+14 48.5	1.987	2.944	6.3	20.5
11 7	3 18.85	+14 26.2	1.964	2.950	2.5	20.3
11 17	3 9.16	+14 4.0	1.971	2.955	2.3	20.3
11 27	3 0.01	+13 45.3	2.008	2.960	6.1	20.5
12 7	2 52.28	+13 33.2	2.073	2.964	9.7	20.8
12 17	2 46.61	+13 30.0	2.162	2.968	12.8	21.0

185691 1997 GT_{10} 11 12.9 170°.60 0°.8/12.4 18

10 8	3 42.76	+17 48.5	1.919	2.739	14.3	21.6
10 18	3 36.97	+17 19.5	1.842	2.743	10.9	21.4
10 28	3 28.85	+16 42.5	1.789	2.746	6.9	21.2
11 7	3 19.17	+15 59.8	1.763	2.749	2.6	20.9
11 17	3 8.94	+15 15.1	1.766	2.751	2.2	20.9
11 27	2 59.31	+14 33.3	1.798	2.752	6.5	21.2
12 7	2 51.29	+13 59.2	1.858	2.753	10.5	21.4
12 17	2 45.55	+13 36.2	1.942	2.753	13.9	21.6

494915 2008 VM_{56} 11 12.9 306°.80 2°.7/14.4 18

10 8	3 40.12	+25 47.3	1.618	2.436	16.6	21.6
10 18	3 35.72	+25 48.8	1.534	2.428	13.1	21.3
10 28	3 28.46	+25 35.4	1.471	2.420	9.0	21.1
11 7	3 19.14	+25 6.5	1.432	2.412	4.6	20.8
11 17	3 8.94	+24 23.8	1.420	2.404	3.0	20.7
11 27	2 59.31	+23 32.6	1.436	2.397	6.9	20.9
12 7	2 51.56	+22 40.1	1.477	2.390	11.3	21.1
12 17	2 46.56	+21 53.3	1.541	2.383	15.3	21.4

134776 2000 DN_{52} 11 12.9 52°.03 3°.2/14.8 18

10 8	3 41.22	+26 59.4	1.798	2.604	15.7	19.5
10 18	3 36.19	+27 13.6	1.723	2.608	12.4	19.3
10 28	3 28.56	+27 13.9	1.669	2.611	8.6	19.1
11 7	3 19.11	+26 59.4	1.640	2.616	4.8	18.9
11 17	3 8.98	+26 31.1	1.639	2.620	3.4	18.8
11 27	2 59.49	+25 53.2	1.665	2.624	6.4	19.0
12 7	2 51.77	+25 11.5	1.719	2.628	10.2	19.2
12 17	2 46.59	+24 32.4	1.796	2.633	13.7	19.5

284737 2008 UM_{179} 11 12.9 151°.62 2°.1/14.2 18

10 8	3 41.83	+25 11.9	1.883	2.690	15.1	21.2
10 18	3 36.46	+25 6.0	1.806	2.694	11.7	21.0
10 28	3 28.63	+24 46.9	1.751	2.698	7.9	20.7
11 7	3 19.11	+24 14.9	1.721	2.701	3.9	20.5
11 17	3 8.99	+23 32.2	1.720	2.705	2.4	20.4
11 27	2 59.50	+22 43.5	1.748	2.708	6.1	20.6
12 7	2 51.71	+21 54.8	1.803	2.710	10.0	20.9
12 17	2 46.32	+21 11.7	1.883	2.713	13.5	21.1

398428 2011 UZ_{14} 11 12.9 18°.98 2°.9/14.7 18

10 8	3 40.03	+27 2.7	1.839	2.645	15.4	20.8
10 18	3 35.24	+27 4.4	1.760	2.646	12.1	20.6
10 28	3 27.93	+26 51.7	1.703	2.647	8.4	20.3
11 7	3 18.87	+26 24.2	1.671	2.648	4.6	20.1
11 17	3 9.15	+25 43.5	1.666	2.649	3.1	20.0
11 27	3 0.04	+24 54.3	1.690	2.650	6.2	20.2
12 7	2 52.63	+24 2.9	1.741	2.651	10.1	20.5
12 17	2 47.67	+23 15.6	1.816	2.652	13.6	20.7

509178 2006 HQ_{83} 11 12.9 209°.82 1°.4/12.2 18

10 8	3 43.14	+13 54.9	2.230	3.045	12.7	22.5
10 18	3 37.07	+13 52.9	2.141	3.039	9.7	22.3
10 28	3 28.89	+13 48.0	2.076	3.032	6.2	22.1
11 7	3 19.22	+13 41.7	2.040	3.025	2.5	21.8
11 17	3 8.92	+13 36.0	2.033	3.017	2.4	21.8
11 27	2 59.01	+13 33.5	2.058	3.008	6.1	22.0
12 7	2 50.42	+13 36.6	2.110	2.999	9.7	22.2
12 17	2 43.83	+13 47.3	2.188	2.989	12.8	22.4

158820 2003 UK_{151} 11 12.9 38°.73 1°.2/12.3 18

10 8	3 39.26	+14 32.3	1.938	2.769	13.8	18.9
10 18	3 34.22	+14 34.8	1.875	2.781	10.4	18.7
10 28	3 27.05	+14 33.9	1.834	2.793	6.6	18.5
11 7	3 18.49	+14 31.5	1.820	2.806	2.6	18.3
11 17	3 9.46	+14 29.5	1.835	2.819	2.3	18.3
11 27	3 1.03	+14 30.6	1.878	2.833	6.2	18.6
12 7	2 54.09	+14 37.1	1.949	2.847	9.9	18.9
12 17	2 49.27	+14 51.0	2.044	2.861	13.0	19.1

489141 2006 DL_{142} 11 12.9 294°.71 4°.1/ 9.9 18

10 8	3 35.79	+ 7 28.1	2.243	3.077	12.0	21.5
10 18	3 31.36	+ 6 39.5	2.169	3.074	9.2	21.3
10 28	3 25.16	+ 5 50.8	2.118	3.071	6.3	21.2
11 7	3 17.77	+ 5 6.4	2.095	3.069	4.2	21.0
11 17	3 9.94	+ 4 30.5	2.101	3.066	4.9	21.1
11 27	3 2.53	+ 4 6.7	2.135	3.063	7.5	21.2
12 7	2 56.30	+ 3 57.3	2.196	3.061	10.4	21.4
12 17	2 51.82	+ 4 2.9	2.279	3.058	13.1	21.6

225433 2000 CX_{43} 11 12.9 307°.64 4°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 35.46	+ 8 39.6	2.083	2.921	12.7	19.9
10 18	3 31.34	+ 7 51.2	2.000	2.908	9.7	19.7
10 28	3 25.27	+ 7 1.4	1.940	2.896	6.6	19.4
11 7	3 17.85	+ 6 14.7	1.908	2.884	4.2	19.3
11 17	3 9.87	+ 5 35.7	1.903	2.872	4.9	19.3
11 27	3 2.27	+ 5 8.7	1.926	2.860	7.8	19.5
12 7	2 55.92	+ 4 56.5	1.976	2.848	11.1	19.6
12 17	2 51.43	+ 5 0.2	2.049	2.837	14.0	19.8

242010 2002 PN_{91} 11 12.9 53°.61 3°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.74	+26 12.0	1.505	2.319	17.8	19.5
10 18	3 38.91	+26 31.3	1.458	2.348	13.9	19.4
10 28	3 30.19	+26 35.2	1.431	2.377	9.5	19.2
11 7	3 19.67	+26 23.1	1.429	2.407	5.1	19.0
11 17	3 8.73	+25 56.7	1.454	2.436	3.4	19.0
11 27	2 58.86	+25 21.3	1.506	2.466	6.8	19.3
12 7	2 51.22	+24 43.7	1.585	2.496	10.8	19.6
12 17	2 46.47	+24 10.1	1.686	2.525	14.3	19.9

485758 2012 BV_{138} 11 12.9 276°.20 4°.9/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.76	+32 52.4	2.195	2.968	14.3	21.9
10 18	3 35.76	+33 17.4	2.097	2.954	11.7	21.7
10 28	3 28.31	+33 27.5	2.021	2.940	8.8	21.5
11 7	3 19.08	+33 20.2	1.969	2.926	6.1	21.3
11 17	3 9.02	+32 55.0	1.945	2.913	4.9	21.2
11 27	2 59.35	+32 14.4	1.950	2.899	6.6	21.3
12 7	2 51.17	+31 23.7	1.982	2.885	9.5	21.4
12 17	2 45.28	+30 29.7	2.040	2.871	12.5	21.6

493929 2015 XS_{366} 11 12.9 199°.91 1°.6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.91	+24 48.7	2.584	3.380	11.7	21.8
10 18	3 32.92	+24 43.1	2.496	3.378	9.1	21.6
10 28	3 26.14	+24 27.9	2.431	3.376	6.1	21.4
11 7	3 18.15	+24 3.3	2.394	3.374	3.0	21.2
11 17	3 9.70	+23 31.1	2.387	3.371	1.9	21.2
11 27	3 1.63	+22 54.1	2.410	3.369	4.7	21.4
12 7	2 54.71	+22 16.5	2.462	3.366	7.8	21.5
12 17	2 49.54	+21 42.0	2.541	3.362	10.6	21.7

485023 2009 WO_{86} 11 12.9 100°.40 0°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.51	+20 17.2	2.392	3.201	12.2	21.2
10 18	3 34.15	+20 25.0	2.316	3.209	9.3	21.0
10 28	3 26.92	+20 26.3	2.265	3.217	6.0	20.8
11 7	3 18.44	+20 21.5	2.241	3.225	2.5	20.6
11 17	3 9.51	+20 11.9	2.247	3.233	1.5	20.5
11 27	3 1.04	+20 0.0	2.284	3.241	5.0	20.8
12 7	2 53.82	+19 48.9	2.348	3.249	8.3	21.0
12 17	2 48.44	+19 41.4	2.439	3.257	11.1	21.2

470965 2009 QL_{40} 11 12.9 37°.35 2°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.48	+14 35.5	1.050	1.915	20.3	20.3
10 18	3 36.31	+13 58.6	1.010	1.935	15.3	20.1
10 28	3 28.79	+13 15.1	0.990	1.956	9.6	19.9
11 7	3 19.18	+12 30.7	0.992	1.978	4.1	19.6
11 17	3 9.11	+11 52.0	1.017	2.000	4.3	19.7
11 27	3 0.29	+11 25.7	1.067	2.024	9.5	20.1
12 7	2 54.02	+11 15.8	1.140	2.048	14.3	20.5
12 17	2 50.96	+11 23.6	1.232	2.073	18.4	20.8

274223 2008 KV_{4} 11 12.9 357°.53 5°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.41	+11 48.6	1.251	2.114	17.8	19.8
10 18	3 33.08	+10 18.5	1.189	2.112	13.6	19.6
10 28	3 26.79	+ 8 40.9	1.147	2.110	9.0	19.3
11 7	3 18.50	+ 7 4.6	1.129	2.109	5.4	19.1
11 17	3 9.49	+ 5 39.8	1.136	2.109	6.6	19.2
11 27	3 1.29	+ 4 35.9	1.169	2.109	10.9	19.4
12 7	2 55.14	+ 3 58.2	1.223	2.110	15.3	19.7
12 17	2 51.82	+ 3 47.8	1.297	2.112	19.2	20.0

392377 2010 HC_{104} 11 12.9 183°.19 0°.8/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.52	+16 30.8	2.180	2.997	12.9	21.8
10 18	3 35.84	+16 18.5	2.099	2.997	9.8	21.6
10 28	3 28.08	+16 0.7	2.041	2.998	6.2	21.4
11 7	3 18.92	+15 39.2	2.011	2.997	2.4	21.2
11 17	3 9.21	+15 16.4	2.011	2.996	2.0	21.1
11 27	2 59.97	+14 55.7	2.041	2.995	5.9	21.4
12 7	2 52.10	+14 40.5	2.100	2.993	9.5	21.6
12 17	2 46.25	+14 33.3	2.183	2.990	12.6	21.8

143146 2002 XL_{42} 11 12.9 249°.14 0°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.64	+15 42.8	2.218	3.035	12.7	20.0
10 18	3 36.07	+15 47.4	2.123	3.022	9.7	19.8
10 28	3 28.34	+15 48.1	2.052	3.008	6.2	19.5
11 7	3 19.06	+15 46.1	2.009	2.994	2.4	19.3
11 17	3 9.09	+15 43.0	1.995	2.980	2.0	19.2
11 27	2 59.43	+15 41.0	2.012	2.966	5.9	19.4
12 7	2 51.04	+15 43.1	2.056	2.951	9.6	19.6
12 17	2 44.65	+15 51.4	2.126	2.936	12.9	19.8

79378 1997 FF_{1} 11 12.9 170°.11 0°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.13	+20 27.7	1.812	2.628	15.2	19.8
10 18	3 38.26	+20 23.7	1.735	2.631	11.7	19.6
10 28	3 29.83	+20 10.4	1.680	2.634	7.6	19.4
11 7	3 19.62	+19 48.5	1.652	2.636	3.0	19.1
11 17	3 8.75	+19 20.4	1.652	2.638	1.9	19.0
11 27	2 58.50	+18 50.1	1.681	2.639	6.4	19.3
12 7	2 49.98	+18 22.9	1.738	2.640	10.6	19.6
12 17	2 43.97	+18 2.9	1.818	2.640	14.2	19.8

442935 2013 CR_{70} 11 12.9 316°.25 8°.1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.15	+ 1 39.6	1.589	2.437	15.4	21.0
10 18	3 32.40	+ 0 13.1	1.517	2.424	12.4	20.8
10 28	3 26.20	− 1 9.9	1.468	2.411	9.5	20.6
11 7	3 18.28	− 2 20.9	1.442	2.398	8.1	20.5
11 17	3 9.65	− 3 11.8	1.443	2.386	9.2	20.5
11 27	3 1.54	− 3 36.7	1.468	2.374	12.0	20.6
12 7	2 55.03	− 3 33.7	1.516	2.362	15.3	20.8
12 17	2 50.86	− 3 4.3	1.583	2.351	18.3	21.0

239081 2006 GM_{49} 11 12.9 112°.79 5°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.70	+35 19.0	2.197	2.948	14.9	20.4
10 18	3 39.97	+35 49.3	2.129	2.969	12.2	20.2
10 28	3 30.77	+36 2.5	2.082	2.989	9.4	20.1
11 7	3 19.94	+35 55.9	2.062	3.008	6.7	20.0
11 17	3 8.58	+35 29.4	2.069	3.027	5.5	19.9
11 27	2 57.97	+34 46.3	2.105	3.046	6.7	20.0
12 7	2 49.15	+33 52.8	2.169	3.063	9.2	20.2
12 17	2 42.81	+32 55.8	2.259	3.080	11.8	20.4

37386 2001 WG_{29} 11 12.9 344°.51 5°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.60	+ 7 14.5	1.286	2.143	17.8	17.3
10 18	3 35.59	+ 6 52.0	1.218	2.136	13.8	17.1
10 28	3 28.50	+ 6 32.0	1.170	2.129	9.4	16.8
11 7	3 19.22	+ 6 20.1	1.145	2.123	5.7	16.6
11 17	3 9.03	+ 6 21.2	1.144	2.118	6.3	16.6
11 27	2 59.52	+ 6 39.1	1.169	2.114	10.4	16.8
12 7	2 52.07	+ 7 15.0	1.217	2.111	14.9	17.1
12 17	2 47.58	+ 8 7.8	1.285	2.109	18.8	17.3

294737 2008 BB_{49} 11 12.9 110°.84 1°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.28	+16 39.2	2.076	2.902	13.2	21.2
10 18	3 33.43	+16 12.4	2.002	2.906	10.0	21.0
10 28	3 26.56	+15 39.3	1.951	2.910	6.3	20.8
11 7	3 18.35	+15 2.5	1.927	2.913	2.4	20.5
11 17	3 9.66	+14 25.2	1.933	2.917	2.2	20.5
11 27	3 1.49	+13 51.7	1.967	2.921	6.1	20.8
12 7	2 54.70	+13 25.8	2.029	2.924	9.7	21.0
12 17	2 49.90	+13 10.0	2.115	2.927	12.8	21.2

457339 2008 SS_{203} 11 12.9 11°.96 3°.8/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 33.35	+11 29.2	1.728	2.578	14.3	20.7
10 18	3 29.96	+10 21.4	1.666	2.583	10.8	20.4
10 28	3 24.45	+ 9 9.7	1.627	2.588	7.1	20.2
11 7	3 17.56	+ 7 59.9	1.614	2.594	4.1	20.1
11 17	3 10.22	+ 6 58.4	1.629	2.602	4.9	20.1
11 27	3 3.47	+ 6 10.8	1.670	2.610	8.2	20.4
12 7	2 58.21	+ 5 40.8	1.736	2.619	11.8	20.6
12 17	2 55.03	+ 5 29.6	1.825	2.629	14.9	20.8

316713 1997 SA_{8} 11 12.9 346°.24 4°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.88	+27 15.4	1.233	2.069	19.8	20.3
10 18	3 35.70	+27 53.4	1.159	2.060	15.9	20.1
10 28	3 28.94	+28 14.7	1.103	2.052	11.3	19.8
11 7	3 19.49	+28 16.0	1.069	2.045	6.7	19.5
11 17	3 8.82	+27 56.9	1.059	2.039	4.9	19.4
11 27	2 58.85	+27 21.7	1.073	2.035	8.5	19.6
12 7	2 51.26	+26 38.9	1.110	2.032	13.3	19.8
12 17	2 47.15	+25 57.7	1.168	2.029	17.8	20.1

227940 2007 GV_{29} 11 12.9 118°.14 1°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.42	+21 47.5	2.445	3.248	12.1	20.1
10 18	3 34.84	+22 1.1	2.368	3.256	9.3	20.0
10 28	3 27.38	+22 7.4	2.316	3.265	6.1	19.8
11 7	3 18.65	+22 6.5	2.290	3.273	2.7	19.6
11 17	3 9.46	+21 59.4	2.295	3.281	1.7	19.5
11 27	3 0.71	+21 48.4	2.330	3.288	4.9	19.7
12 7	2 53.21	+21 36.6	2.394	3.296	8.1	20.0
12 17	2 47.57	+21 27.2	2.484	3.303	10.9	20.2

141584 2002 GU_{178} 11 12.9 330°.98 0°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 30.27	+21 55.5	4.250	5.049	7.4	19.9
10 18	3 26.53	+21 43.8	4.161	5.048	5.7	19.8
10 28	3 21.82	+21 27.1	4.097	5.047	3.7	19.6
11 7	3 16.49	+21 6.3	4.063	5.046	1.6	19.5
11 17	3 10.93	+20 42.5	4.059	5.045	0.9	19.4
11 27	3 5.56	+20 17.5	4.086	5.044	3.0	19.6
12 7	3 0.81	+19 53.1	4.144	5.043	5.0	19.7
12 17	2 57.01	+19 31.3	4.229	5.043	6.9	19.9

136025 2002 VH_{88} 11 12.9 100°.96 2°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.63	+25 56.3	1.917	2.723	14.9	20.2
10 18	3 35.59	+25 58.9	1.839	2.725	11.7	20.0
10 28	3 28.12	+25 48.5	1.783	2.728	8.0	19.8
11 7	3 18.99	+25 25.0	1.752	2.730	4.2	19.6
11 17	3 9.23	+24 50.0	1.750	2.733	2.7	19.5
11 27	3 0.06	+24 7.6	1.776	2.735	6.0	19.7
12 7	2 52.53	+23 23.6	1.830	2.738	9.8	19.9
12 17	2 47.35	+22 43.6	1.908	2.740	13.2	20.2

98956 2001 CW_{34} 11 12.9 189°.99 1°.5/13.9 18

10 8	3 40.89	+22 26.6	2.477	3.276	12.1	19.9
10 18	3 35.28	+22 45.2	2.390	3.275	9.4	19.7
10 28	3 27.72	+22 56.4	2.327	3.275	6.2	19.5
11 7	3 18.81	+23 0.1	2.292	3.274	2.9	19.3
11 17	3 9.34	+22 56.8	2.288	3.272	1.9	19.2
11 27	3 0.25	+22 48.5	2.313	3.271	5.0	19.4
12 7	2 52.37	+22 38.3	2.368	3.269	8.2	19.6
12 17	2 46.34	+22 29.6	2.448	3.267	11.1	19.8

237990 2002 SR_{46} 11 12.9 53°.81 0°.2/12.9 18

10 8	3 43.66	+17 43.1	1.533	2.365	16.7	19.5
10 18	3 37.88	+17 46.0	1.486	2.392	12.6	19.3
10 28	3 29.47	+17 41.6	1.461	2.420	8.0	19.1
11 7	3 19.43	+17 31.5	1.461	2.448	3.0	18.9
11 17	3 9.01	+17 18.3	1.489	2.476	2.1	18.9
11 27	2 59.57	+17 6.0	1.545	2.504	6.8	19.2
12 7	2 52.16	+16 58.6	1.627	2.532	11.0	19.6
12 17	2 47.41	+16 58.9	1.732	2.560	14.5	19.9

438887 2009 SC_{252} 11 12.9 323°.03 1°.2/13.4 18

10 8	3 43.15	+19 58.3	1.420	2.254	17.7	20.9
10 18	3 38.34	+20 21.7	1.342	2.249	13.7	20.6
10 28	3 30.33	+20 36.7	1.286	2.243	9.0	20.3
11 7	3 19.96	+20 42.7	1.253	2.238	3.8	20.0
11 17	3 8.54	+20 40.6	1.246	2.233	2.3	19.9
11 27	2 57.73	+20 33.7	1.267	2.228	7.6	20.2
12 7	2 49.02	+20 27.2	1.312	2.224	12.5	20.5
12 17	2 43.38	+20 25.9	1.379	2.220	16.8	20.7

405470 2004 VT_{34} 11 12.9 5°.17 1°.7/11.7 18

10 8	3 35.41	+16 27.2	1.921	2.757	13.7	20.7
10 18	3 31.42	+15 34.1	1.847	2.757	10.3	20.5
10 28	3 25.36	+14 33.1	1.797	2.758	6.5	20.3
11 7	3 17.91	+13 28.2	1.773	2.758	2.7	20.0
11 17	3 9.99	+12 24.5	1.777	2.760	2.9	20.1
11 27	3 2.60	+11 27.6	1.810	2.761	6.7	20.3
12 7	2 56.63	+10 42.3	1.870	2.763	10.5	20.5
12 17	2 52.68	+10 11.7	1.953	2.766	13.7	20.8

166014 2002 AQ_{138} 11 12.9 73°.60 0°.8/13.3 18

10 8	3 44.83	+21 36.5	1.255	2.093	19.4	19.9
10 18	3 39.46	+21 21.6	1.202	2.110	14.8	19.6
10 28	3 30.80	+20 52.6	1.169	2.127	9.6	19.4
11 7	3 20.01	+20 11.5	1.159	2.145	3.8	19.1
11 17	3 8.64	+19 22.7	1.175	2.162	2.3	19.1
11 27	2 58.40	+18 33.5	1.218	2.179	7.8	19.5
12 7	2 50.65	+17 51.4	1.285	2.197	12.8	19.8
12 17	2 46.11	+17 21.8	1.374	2.214	16.9	20.1

224772 2006 FJ_{21} 11 12.9 328°.63 2°.7/11.2 17

10 8	3 35.29	+13 3.7	1.845	2.687	13.9	20.6
10 18	3 31.52	+12 22.4	1.762	2.675	10.6	20.3
10 28	3 25.55	+11 36.2	1.702	2.663	6.8	20.1
11 7	3 18.05	+10 49.0	1.668	2.651	3.3	19.9
11 17	3 9.90	+10 5.4	1.661	2.640	3.8	19.9
11 27	3 2.18	+ 9 30.7	1.682	2.630	7.5	20.1
12 7	2 55.88	+ 9 8.7	1.729	2.620	11.4	20.3
12 17	2 51.68	+ 9 1.6	1.799	2.611	14.7	20.5

427077 2014 UQ_{24} 11 12.9 338°.14 4°.0/10.3 17

10 8	3 34.63	+ 8 52.2	1.954	2.797	13.2	20.4
10 18	3 30.83	+ 8 5.1	1.877	2.788	10.1	20.1
10 28	3 25.01	+ 7 16.7	1.822	2.779	6.8	19.9
11 7	3 17.81	+ 6 31.7	1.794	2.771	4.3	19.8
11 17	3 10.07	+ 5 54.8	1.794	2.764	4.9	19.8
11 27	3 2.75	+ 5 30.4	1.821	2.757	8.0	20.0
12 7	2 56.74	+ 5 21.4	1.874	2.751	11.4	20.2
12 17	2 52.68	+ 5 28.4	1.949	2.745	14.4	20.4

128734 2004 RP_{153} 11 12.9 261°.01 1°.8/14.4 18

10 8	3 37.84	+25 55.3	2.190	2.992	13.3	19.8
10 18	3 33.20	+25 34.4	2.103	2.989	10.4	19.6
10 28	3 26.49	+25 0.6	2.039	2.986	7.0	19.3
11 7	3 18.36	+24 14.7	2.002	2.982	3.5	19.1
11 17	3 9.71	+23 19.2	1.994	2.979	2.1	19.0
11 27	3 1.54	+22 18.7	2.016	2.975	5.4	19.2
12 7	2 54.75	+21 18.8	2.065	2.972	8.9	19.4
12 17	2 49.97	+20 24.8	2.140	2.968	12.1	19.6

448581 2010 TE_{22} 11 12.9 44°.90 0°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.24	+19 50.6	1.876	2.700	14.4	21.3
10 18	3 34.43	+19 44.2	1.804	2.706	11.0	21.1
10 28	3 27.33	+19 29.4	1.755	2.712	7.1	20.9
11 7	3 18.69	+19 7.5	1.732	2.718	2.8	20.7
11 17	3 9.50	+18 41.1	1.738	2.724	1.7	20.6
11 27	3 0.90	+18 14.0	1.772	2.731	6.0	20.9
12 7	2 53.86	+17 50.7	1.833	2.738	10.0	21.1
12 17	2 49.07	+17 34.8	1.918	2.745	13.4	21.4

267056 1998 UX_{39} 11 12.9 22°.53 3°.8/14.7 18

10 8	3 42.07	+25 56.4	1.758	2.567	15.9	19.3
10 18	3 36.95	+26 48.5	1.689	2.575	12.6	19.1
10 28	3 29.14	+27 29.5	1.642	2.584	8.8	18.9
11 7	3 19.43	+27 57.0	1.620	2.594	5.2	18.7
11 17	3 8.97	+28 10.0	1.625	2.604	3.9	18.7
11 27	2 59.13	+28 10.5	1.659	2.615	6.7	18.9
12 7	2 51.09	+28 3.2	1.718	2.627	10.3	19.1
12 17	2 45.67	+27 53.4	1.802	2.639	13.6	19.4

520652 2014 PB_{78} 11 12.9 8°.88 5°.9/ 8.9 18

10 8	3 35.77	+ 2 1.8	2.132	2.965	12.6	20.9
10 18	3 31.42	+ 1 7.9	2.067	2.966	9.9	20.7
10 28	3 25.24	+ 0 18.4	2.025	2.967	7.4	20.5
11 7	3 17.87	− 0 21.5	2.010	2.968	5.9	20.4
11 17	3 10.09	− 0 47.4	2.022	2.969	6.6	20.5
11 27	3 2.77	− 0 56.2	2.062	2.970	8.9	20.6
12 7	2 56.69	− 0 46.9	2.126	2.972	11.5	20.8
12 17	2 52.39	− 0 20.2	2.213	2.974	14.0	21.0

471504 2012 AL_{11} 11 12.9 75°.57 3°.0/15.1 18

10 8	3 40.19	+28 25.2	2.020	2.815	14.6	20.9
10 18	3 35.04	+28 19.5	1.951	2.829	11.5	20.7
10 28	3 27.65	+27 59.3	1.905	2.844	8.0	20.5
11 7	3 18.79	+27 24.4	1.884	2.858	4.5	20.3
11 17	3 9.49	+26 37.2	1.891	2.872	3.1	20.3
11 27	3 0.86	+25 42.2	1.928	2.886	5.7	20.5
12 7	2 53.85	+24 45.4	1.993	2.901	9.1	20.7
12 17	2 49.09	+23 52.7	2.082	2.915	12.2	20.9

409291 2004 RX_{337} 11 12.9 37°.83 3°.3/14.8 18

10 8	3 41.16	+26 41.5	1.965	2.766	14.7	21.1
10 18	3 36.00	+27 12.5	1.891	2.773	11.6	20.9
10 28	3 28.41	+27 31.8	1.840	2.780	8.1	20.7
11 7	3 19.14	+27 38.0	1.813	2.787	4.7	20.5
11 17	3 9.22	+27 31.2	1.815	2.795	3.4	20.5
11 27	2 59.87	+27 14.2	1.846	2.802	6.1	20.6
12 7	2 52.13	+26 51.6	1.903	2.810	9.5	20.9
12 17	2 46.74	+26 28.6	1.985	2.819	12.7	21.1

213197 2000 SW_{345} 11 12.9 72°.66 1°.9/11.7 16

10 8	3 40.62	+15 22.5	1.957	2.783	13.8	21.7
10 18	3 34.98	+14 34.2	1.910	2.814	10.3	21.5
10 28	3 27.37	+13 40.7	1.887	2.846	6.5	21.3
11 7	3 18.62	+12 45.9	1.892	2.877	2.7	21.2
11 17	3 9.66	+11 54.2	1.926	2.907	2.9	21.2
11 27	3 1.47	+11 10.4	1.989	2.938	6.5	21.5
12 7	2 54.85	+10 37.9	2.080	2.967	9.9	21.8
12 17	2 50.30	+10 18.6	2.195	2.997	12.8	22.0

211017 2001 YR_{95} 11 12.9 268°.30 2°.7/14.1 18

10 8	3 44.22	+24 7.7	1.389	2.215	18.4	20.3
10 18	3 39.36	+24 24.6	1.309	2.208	14.5	20.0
10 28	3 31.11	+24 27.8	1.248	2.200	9.9	19.7
11 7	3 20.32	+24 15.7	1.212	2.193	4.9	19.4
11 17	3 8.39	+23 49.3	1.201	2.186	3.1	19.3
11 27	2 57.12	+23 13.3	1.217	2.178	7.8	19.6
12 7	2 48.08	+22 35.3	1.257	2.171	12.8	19.8
12 17	2 42.31	+22 2.7	1.319	2.163	17.2	20.1

490908 2011 BS_{124} 11 12.9 327°.42 5°.4/16.3 17

10 8	3 40.68	+33 13.8	2.117	2.891	14.7	21.5
10 18	3 35.78	+33 52.1	2.029	2.885	12.1	21.3
10 28	3 28.38	+34 15.4	1.962	2.880	9.2	21.1
11 7	3 19.18	+34 21.1	1.921	2.875	6.5	20.9
11 17	3 9.17	+34 8.1	1.906	2.870	5.4	20.8
11 27	2 59.61	+33 38.8	1.919	2.865	6.9	20.9
12 7	2 51.60	+32 58.2	1.959	2.861	9.6	21.1
12 17	2 45.97	+32 12.9	2.024	2.856	12.5	21.3

440134 2003 TG_{9} 11 12.9 358°.47 8°.9/17.2 17

10 8	3 40.22	+35 28.7	1.318	2.120	20.5	20.1
10 18	3 36.89	+36 42.4	1.248	2.116	17.3	19.9
10 28	3 29.82	+37 34.2	1.195	2.113	13.7	19.7
11 7	3 19.89	+37 57.5	1.163	2.112	10.4	19.5
11 17	3 8.68	+37 48.7	1.153	2.112	8.9	19.4
11 27	2 58.23	+37 10.6	1.168	2.113	10.4	19.5
12 7	2 50.33	+36 12.5	1.205	2.115	13.6	19.7
12 17	2 46.10	+35 5.7	1.263	2.119	17.1	19.9

232281 2002 RK_{73} 11 12.9 351.°15 8.°6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.05	+38 31.1	1.733	2.501	17.7	19.4
10 18	3 35.34	+39 35.8	1.651	2.492	15.1	19.2
10 28	3 28.51	+40 20.7	1.588	2.485	12.3	19.0
11 7	3 19.33	+40 40.3	1.546	2.479	9.8	18.9
11 17	3 9.05	+40 31.7	1.529	2.474	8.6	18.8
11 27	2 59.31	+39 56.6	1.537	2.469	9.5	18.8
12 7	2 51.57	+39 1.9	1.569	2.466	11.9	19.0
12 17	2 46.85	+37 56.7	1.624	2.464	14.7	19.1

505643 2014 OQ_{98} 11 12.9 222.°64 17.°1/23.2 17

10 8	3 56.96	+53 27.3	1.375	2.063	24.9	21.2
10 18	3 51.79	+55 20.8	1.304	2.060	22.8	21.0
10 28	3 40.59	+56 42.1	1.245	2.056	20.7	20.9
11 7	3 24.33	+57 16.9	1.203	2.052	18.7	20.7
11 17	3 5.62	+56 53.9	1.178	2.048	17.4	20.6
11 27	2 48.23	+55 32.2	1.173	2.044	17.2	20.6
12 7	2 35.35	+53 24.2	1.188	2.039	18.3	20.7
12 17	2 28.49	+50 49.3	1.222	2.034	20.3	20.8

71076 1999 XV_{117} 11 12.9 131.°20 2.°6/14.9 18

10 8	3 41.44	+28 44.9	2.014	2.806	14.7	19.2
10 18	3 35.99	+28 14.5	1.938	2.815	11.6	19.0
10 28	3 28.25	+27 27.6	1.884	2.824	8.0	18.8
11 7	3 19.03	+26 24.9	1.856	2.833	4.3	18.6
11 17	3 9.36	+25 9.8	1.858	2.841	2.7	18.5
11 27	3 0.39	+23 48.3	1.889	2.848	5.7	18.7
12 7	2 53.08	+22 27.5	1.949	2.856	9.4	18.9
12 17	2 48.06	+21 14.1	2.034	2.863	12.6	19.2

523285 2017 BW_{36} 11 12.9 243.°56 3.°4/10.9 18

10 8	3 39.30	+ 9 5.5	2.089	2.919	12.9	21.7
10 18	3 34.26	+ 8 38.1	2.008	2.912	9.9	21.5
10 28	3 27.17	+ 8 10.4	1.950	2.905	6.6	21.3
11 7	3 18.66	+ 7 45.6	1.920	2.898	3.8	21.1
11 17	3 9.59	+ 7 27.4	1.918	2.891	4.2	21.1
11 27	3 0.94	+ 7 19.1	1.945	2.884	7.4	21.3
12 7	2 53.61	+ 7 22.8	1.999	2.877	10.7	21.5
12 17	2 48.24	+ 7 39.4	2.077	2.869	13.7	21.7

225092 2008 AW_{27} 11 12.9 136.°15 1.°3/12.2 16

10 8	3 44.30	+16 5.9	1.816	2.639	14.9	21.6
10 18	3 38.17	+15 41.2	1.750	2.652	11.3	21.4
10 28	3 29.66	+15 10.1	1.706	2.664	7.1	21.2
11 7	3 19.58	+14 35.3	1.690	2.676	2.8	21.0
11 17	3 9.02	+14 0.5	1.702	2.686	2.6	21.0
11 27	2 59.17	+13 30.2	1.744	2.697	6.8	21.3
12 7	2 51.06	+13 8.4	1.813	2.706	10.8	21.5
12 17	2 45.33	+12 57.9	1.906	2.715	14.1	21.8

65237 2002 EY_{97} 11 12.9 128.°24 1.°9/11.4 18

10 8	3 37.85	+12 37.1	2.725	3.542	10.6	20.1
10 18	3 32.56	+12 7.2	2.657	3.557	8.0	19.9
10 28	3 25.78	+11 35.0	2.615	3.571	5.1	19.8
11 7	3 18.06	+11 2.8	2.602	3.585	2.4	19.6
11 17	3 10.05	+10 33.5	2.620	3.598	2.6	19.7
11 27	3 2.48	+10 9.8	2.668	3.611	5.3	19.9
12 7	2 55.97	+ 9 54.0	2.745	3.623	8.1	20.1
12 17	2 50.99	+ 9 47.5	2.847	3.635	10.5	20.2

14762 6647 P–L 11 12.9 45.°50 0.°8/13.3 18

10 8	3 43.79	+20 8.6	1.191	2.036	19.7	17.3
10 18	3 38.72	+20 13.8	1.146	2.058	15.0	17.1
10 28	3 30.36	+20 7.5	1.121	2.081	9.6	16.9
11 7	3 19.89	+19 50.8	1.119	2.105	3.8	16.6
11 17	3 8.90	+19 27.2	1.142	2.129	2.3	16.6
11 27	2 59.11	+19 2.3	1.191	2.153	7.8	17.0
12 7	2 51.85	+18 42.4	1.264	2.179	12.7	17.3
12 17	2 47.80	+18 31.8	1.358	2.204	16.7	17.7

442478 2011 UU_{320} 11 12.9 30.°05 7.°9/17.0 18

10 8	3 45.15	+35 50.8	1.661	2.435	18.1	20.9
10 18	3 39.91	+37 1.6	1.591	2.441	15.2	20.7
10 28	3 31.38	+37 53.4	1.540	2.447	12.0	20.5
11 7	3 20.41	+38 20.6	1.511	2.454	9.1	20.4
11 17	3 8.43	+38 20.4	1.508	2.461	7.9	20.3
11 27	2 57.15	+37 55.0	1.531	2.469	9.1	20.4
12 7	2 48.09	+37 11.6	1.579	2.477	11.8	20.6
12 17	2 42.24	+36 19.5	1.650	2.485	14.8	20.8

67281 2000 FV_{60} 11 12.9 132.°53 3.°5/11.2 18

10 8	3 43.19	+10 6.2	1.719	2.551	15.2	20.1
10 18	3 37.46	+ 9 39.2	1.653	2.559	11.5	19.9
10 28	3 29.28	+ 9 11.2	1.610	2.567	7.6	19.7
11 7	3 19.47	+ 8 46.0	1.594	2.575	4.0	19.5
11 17	3 9.13	+ 8 27.7	1.606	2.582	4.4	19.6
11 27	2 59.46	+ 8 19.9	1.645	2.588	8.1	19.8
12 7	2 51.53	+ 8 25.1	1.711	2.595	11.9	20.1
12 17	2 46.02	+ 8 43.8	1.800	2.601	15.2	20.3

133876 2004 PT_2 11 12.9 66.°36 23.°2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 52.08	−28 18.6	1.034	1.806	26.8	19.0
10 18	3 45.12	−29 51.9	1.018	1.820	25.1	18.9
10 28	3 34.32	−30 37.6	1.016	1.834	23.8	18.9
11 7	3 21.30	−30 23.5	1.027	1.848	23.2	18.9
11 17	3 8.06	−29 5.3	1.053	1.863	23.4	19.0
11 27	2 56.63	−26 47.8	1.095	1.878	24.2	19.1
12 7	2 48.36	−23 44.3	1.153	1.893	25.4	19.3
12 17	2 43.84	−20 10.2	1.225	1.908	26.8	19.5

317509 2002 TO_{33} 11 12.9 57.°43 1.°8/12.1 15

10 8	3 43.85	+17 46.7	1.202	2.049	19.4	20.4
10 18	3 38.42	+16 51.7	1.164	2.079	14.5	20.2
10 28	3 29.94	+15 46.4	1.146	2.109	9.1	20.0
11 7	3 19.66	+14 36.6	1.153	2.139	3.5	19.8
11 17	3 9.12	+13 29.8	1.185	2.170	3.4	19.9
11 27	2 59.88	+12 33.7	1.244	2.200	8.5	20.3
12 7	2 53.10	+11 54.2	1.327	2.230	13.1	20.6
12 17	2 49.33	+11 33.5	1.431	2.260	16.9	20.9

412007 2012 MS_7 11 12.9 201.°79 2.°5/11.3 17

10 8	3 37.68	+10 9.2	2.564	3.386	11.1	20.7
10 18	3 32.66	+ 9 52.8	2.484	3.385	8.4	20.5
10 28	3 25.98	+ 9 35.9	2.428	3.383	5.5	20.3
11 7	3 18.20	+ 9 20.8	2.401	3.381	2.9	20.1
11 17	3 9.99	+ 9 9.9	2.403	3.379	3.2	20.2
11 27	3 2.14	+ 9 5.6	2.436	3.377	5.9	20.3
12 7	2 55.36	+ 9 9.7	2.496	3.375	8.8	20.5
12 17	2 50.18	+ 9 23.1	2.582	3.372	11.4	20.7

488154 2015 WW_9 11 12.9 68.°69 0.°6/12.7 18

10 8	3 40.90	+16 2.4	2.069	2.890	13.4	20.4
10 18	3 35.44	+16 9.5	2.000	2.901	10.1	20.2
10 28	3 27.88	+16 12.5	1.955	2.912	6.4	20.0
11 7	3 18.94	+16 12.4	1.936	2.922	2.4	19.7
11 17	3 9.52	+16 10.9	1.948	2.933	1.9	19.7
11 27	3 0.63	+16 10.6	1.988	2.944	5.8	20.0
12 7	2 53.19	+16 13.9	2.057	2.955	9.4	20.2
12 17	2 47.82	+16 23.1	2.150	2.966	12.5	20.5

235375 2003 WJ_{42} 11 12.9 67.°78 2.°1/12.1 18

10 8	3 45.32	+11 57.0	1.638	2.468	15.9	19.9
10 18	3 39.04	+12 3.8	1.585	2.491	12.0	19.7
10 28	3 30.23	+12 9.4	1.555	2.513	7.6	19.5
11 7	3 19.82	+12 15.8	1.551	2.536	3.3	19.3
11 17	3 8.98	+12 24.8	1.576	2.558	3.2	19.3
11 27	2 59.00	+12 38.9	1.629	2.581	7.3	19.6
12 7	2 50.94	+13 0.0	1.709	2.603	11.2	19.9
12 17	2 45.43	+13 28.9	1.812	2.625	14.6	20.2

72432 Kimrobinson 11 12.9 194.°39 1.°0/13.6 18

10 8	3 42.16	+21 45.9	2.180	2.986	13.3	20.4
10 18	3 36.50	+21 46.8	2.094	2.984	10.3	20.2
10 28	3 28.64	+21 38.9	2.031	2.982	6.7	20.0
11 7	3 19.27	+21 22.7	1.996	2.979	2.9	19.8
11 17	3 9.29	+20 59.6	1.990	2.976	1.7	19.7
11 27	2 59.75	+20 33.1	2.014	2.972	5.5	19.9
12 7	2 51.63	+20 7.1	2.066	2.968	9.2	20.2
12 17	2 45.60	+19 45.8	2.144	2.963	12.4	20.4

480824 1999 JO_6 11 12.9 34.°91 8.°5/13.5 16 C

10 8	4 13.94	− 7 0.9	0.935	1.744	26.6	19.0
10 18	4 0.34	− 5 16.9	0.923	1.804	20.7	18.8
10 28	3 43.08	− 3 8.8	0.930	1.865	14.6	18.7
11 7	3 24.30	− 0 39.9	0.962	1.926	9.6	18.7
11 17	3 6.39	+ 2 0.9	1.024	1.988	8.8	18.8
11 27	2 51.41	+ 4 43.2	1.114	2.049	12.0	19.2
12 7	2 40.48	+ 7 19.0	1.231	2.110	15.8	19.6
12 17	2 33.86	+ 9 44.5	1.370	2.170	19.1	20.0

272410 2005 TF_{40} 11 12.9 321.°89 0.°2/12.9 18

10 8	3 42.79	+17 11.7	1.449	2.287	17.2	20.5
10 18	3 37.98	+17 25.5	1.371	2.281	13.2	20.2
10 28	3 30.10	+17 33.4	1.315	2.275	8.5	20.0
11 7	3 19.96	+17 35.9	1.283	2.269	3.3	19.6
11 17	3 8.83	+17 34.7	1.277	2.263	2.3	19.6
11 27	2 58.30	+17 33.2	1.298	2.258	7.6	19.9
12 7	2 49.77	+17 35.6	1.345	2.253	12.5	20.2
12 17	2 44.18	+17 45.4	1.413	2.249	16.7	20.4

353135 2009 FR_{71} 11 12.9 325.°94 3.°3/10.9 18

10 8	3 37.80	+11 51.2	1.724	2.566	14.7	21.0
10 18	3 33.52	+11 4.8	1.649	2.561	11.2	20.7
10 28	3 26.89	+10 14.4	1.597	2.557	7.3	20.5
11 7	3 18.63	+ 9 24.5	1.571	2.553	3.8	20.3
11 17	3 9.76	+ 8 40.5	1.572	2.549	4.4	20.3
11 27	3 1.43	+ 8 7.5	1.601	2.545	8.1	20.5
12 7	2 54.66	+ 7 49.4	1.655	2.542	12.0	20.7
12 17	2 50.17	+ 7 47.8	1.731	2.538	15.4	21.0

296615 2009 SL_{21} 11 12.9 194.°34 2.°6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.75	+28 10.3	2.356	3.145	12.9	20.8
10 18	3 33.82	+28 2.6	2.269	3.144	10.2	20.6
10 28	3 26.89	+27 42.0	2.206	3.144	7.1	20.4
11 7	3 18.59	+27 8.6	2.169	3.143	4.0	20.2
11 17	3 9.79	+26 23.8	2.161	3.141	2.7	20.1
11 27	3 1.45	+25 31.6	2.182	3.140	5.2	20.3
12 7	2 54.44	+24 37.0	2.233	3.139	8.4	20.5
12 17	2 49.38	+23 45.1	2.309	3.137	11.3	20.7

22376 1993 TX_{38} 11 12.9 91.°06 2.°8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.80	+10 35.4	2.228	3.057	12.3	19.0
10 18	3 32.93	+10 8.6	2.157	3.062	9.3	18.8
10 28	3 26.22	+ 9 40.5	2.110	3.066	6.1	18.6
11 7	3 18.32	+ 9 14.2	2.091	3.071	3.2	18.5
11 17	3 9.99	+ 8 53.0	2.100	3.076	3.6	18.5
11 27	3 2.13	+ 8 39.9	2.139	3.081	6.6	18.7
12 7	2 55.52	+ 8 37.0	2.205	3.086	9.7	18.9
12 17	2 50.71	+ 8 45.5	2.296	3.091	12.5	19.1

71222 1999 YQ_{9} 11 12.9 333.°44 5.°8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.92	+33 35.0	1.957	2.736	15.5	18.7
10 18	3 35.46	+34 14.0	1.868	2.727	12.9	18.5
10 28	3 28.34	+34 37.0	1.801	2.719	9.8	18.3
11 7	3 19.27	+34 40.8	1.757	2.711	7.1	18.1
11 17	3 9.30	+34 24.2	1.739	2.703	5.8	18.0
11 27	2 59.79	+33 49.8	1.749	2.696	7.3	18.1
12 7	2 51.95	+33 3.3	1.785	2.690	10.2	18.3
12 17	2 46.64	+32 11.9	1.845	2.683	13.3	18.4

159740 2003 EG_{48} 11 12.9 234.°62 1.°0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.46	+19 19.1	1.900	2.722	14.3	20.9
10 18	3 35.47	+18 22.2	1.809	2.711	11.0	20.6
10 28	3 28.11	+17 13.2	1.742	2.700	7.0	20.4
11 7	3 19.12	+15 55.6	1.702	2.688	2.7	20.1
11 17	3 9.46	+14 34.5	1.692	2.676	2.4	20.0
11 27	3 0.29	+13 16.9	1.710	2.664	6.8	20.3
12 7	2 52.67	+12 9.4	1.757	2.651	11.0	20.5
12 17	2 47.30	+11 16.9	1.827	2.637	14.6	20.7

299683 2006 QW_{81} 11 12.9 94.°62 2.°5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.92	+25 16.9	1.920	2.725	14.9	20.6
10 18	3 36.60	+25 31.2	1.844	2.730	11.6	20.4
10 28	3 28.83	+25 33.8	1.790	2.736	7.9	20.2
11 7	3 19.38	+25 24.1	1.763	2.741	4.2	20.0
11 17	3 9.29	+25 3.0	1.763	2.746	2.8	19.9
11 27	2 59.79	+24 34.1	1.793	2.751	6.0	20.1
12 7	2 51.93	+24 2.6	1.849	2.757	9.7	20.4
12 17	2 46.47	+23 33.7	1.930	2.762	13.1	20.6

51546 2001 FU_{159} 11 12.9 123.°96 3.°1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.08	+13 16.5	1.632	2.468	15.7	19.8
10 18	3 36.70	+12 20.3	1.569	2.478	11.9	19.6
10 28	3 28.84	+11 18.6	1.529	2.488	7.6	19.3
11 7	3 19.35	+10 16.5	1.515	2.498	3.7	19.1
11 17	3 9.36	+ 9 20.0	1.529	2.507	4.3	19.2
11 27	3 0.14	+ 8 35.0	1.571	2.516	8.2	19.5
12 7	2 52.73	+ 8 5.7	1.639	2.525	12.2	19.7
12 17	2 47.79	+ 7 54.0	1.729	2.533	15.6	20.0

50544 2000 EO_{17} 11 12.9 344.°01 2.°8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.27	+21 43.4	1.166	2.014	19.9	18.2
10 18	3 37.67	+22 31.0	1.093	2.004	15.6	18.0
10 28	3 30.37	+23 9.1	1.038	1.996	10.5	17.7
11 7	3 20.20	+23 35.1	1.006	1.989	5.1	17.3
11 17	3 8.69	+23 48.0	0.997	1.983	3.4	17.2
11 27	2 57.82	+23 50.4	1.013	1.977	8.5	17.5
12 7	2 49.40	+23 48.2	1.052	1.973	13.9	17.8
12 17	2 44.60	+23 47.7	1.111	1.971	18.7	18.1

183808 2004 BC_{52} 11 12.9 312.°02 5.°7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.97	+ 8 18.5	1.295	2.153	17.6	20.2
10 18	3 35.25	+ 7 25.5	1.219	2.138	13.7	19.9
10 28	3 28.45	+ 6 30.7	1.164	2.123	9.4	19.6
11 7	3 19.37	+ 5 41.0	1.131	2.109	6.0	19.4
11 17	3 9.28	+ 5 4.1	1.123	2.095	6.9	19.4
11 27	2 59.75	+ 4 46.6	1.140	2.081	11.1	19.6
12 7	2 52.22	+ 4 52.0	1.180	2.068	15.7	19.8
12 17	2 47.63	+ 5 20.5	1.239	2.056	19.8	20.0

472521 2015 CO_{46} 11 12.9 131.°06 4.°5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.50	+29 52.2	1.591	2.389	17.7	21.1
10 18	3 39.91	+30 8.3	1.518	2.396	14.2	20.9
10 28	3 31.21	+30 6.3	1.466	2.402	10.2	20.7
11 7	3 20.34	+29 44.1	1.438	2.408	6.2	20.5
11 17	3 8.69	+29 2.4	1.436	2.414	4.5	20.4
11 27	2 57.86	+28 6.6	1.462	2.419	7.3	20.6
12 7	2 49.20	+27 4.8	1.515	2.425	11.3	20.8
12 17	2 43.57	+26 5.5	1.590	2.430	15.0	21.1

391228 2006 JZ_{56} 11 12.9 195.°31 0.°5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.45	+19 12.6	2.253	3.057	13.0	21.8
10 18	3 38.19	+19 26.5	2.164	3.055	10.0	21.5
10 28	3 29.74	+19 34.5	2.100	3.052	6.5	21.3
11 7	3 19.75	+19 36.6	2.064	3.048	2.6	21.1
11 17	3 9.10	+19 33.8	2.058	3.044	1.6	21.0
11 27	2 58.85	+19 28.4	2.083	3.039	5.5	21.3
12 7	2 49.98	+19 23.5	2.137	3.034	9.1	21.5
12 17	2 43.17	+19 22.1	2.216	3.028	12.3	21.7

130741 2000 SZ_{253} 11 13.0 66.°93 0.°4/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.32	+19 1.4	1.241	2.081	19.4	19.7
10 18	3 40.71	+19 10.7	1.188	2.097	14.8	19.5
10 28	3 31.74	+19 10.3	1.155	2.114	9.5	19.3
11 7	3 20.53	+19 0.9	1.146	2.131	3.7	19.0
11 17	3 8.66	+18 45.2	1.162	2.149	2.3	18.9
11 27	2 57.90	+18 28.3	1.205	2.166	7.9	19.3
12 7	2 49.65	+18 15.7	1.272	2.183	12.9	19.7
12 17	2 44.70	+18 11.8	1.361	2.201	17.0	20.0

408789 2000 DL_{77} 11 13.0 326.°38 12.°8/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.19	+52 36.7	2.158	2.806	17.8	20.7
10 18	3 45.50	+54 29.1	2.071	2.796	16.3	20.6
10 28	3 35.69	+56 0.2	2.002	2.786	14.9	20.5
11 7	3 22.41	+57 1.2	1.953	2.776	13.6	20.4
11 17	3 7.16	+57 25.4	1.926	2.767	12.9	20.3
11 27	2 52.19	+57 11.2	1.920	2.759	13.0	20.3
12 7	2 39.69	+56 23.7	1.937	2.750	13.8	20.3
12 17	2 31.16	+55 12.5	1.975	2.742	15.2	20.4

199410 2006 CY_{34} 11 13.0 82.°40 3.°8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.85	+10 49.5	1.653	2.491	15.4	20.3
10 18	3 36.34	+ 9 58.2	1.603	2.512	11.7	20.1
10 28	3 28.49	+ 9 4.8	1.575	2.533	7.6	20.0
11 7	3 19.20	+ 8 14.7	1.574	2.554	4.2	19.8
11 17	3 9.56	+ 7 33.0	1.601	2.575	4.7	19.9
11 27	3 0.76	+ 7 4.4	1.655	2.595	8.3	20.1
12 7	2 53.74	+ 6 51.6	1.735	2.616	11.9	20.4
12 17	2 49.10	+ 6 55.2	1.837	2.636	15.0	20.7

455667 2005 CG_{32} 11 13.0 334.°98 8.°9/ 7.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.00	− 4 4.3	1.863	2.696	14.1	21.0
10 18	3 31.23	− 5 16.4	1.795	2.684	11.7	20.8
10 28	3 25.37	− 6 19.5	1.749	2.673	9.7	20.7
11 7	3 18.08	− 7 6.2	1.728	2.662	8.9	20.6
11 17	3 10.23	− 7 30.5	1.732	2.652	9.7	20.6
11 27	3 2.84	− 7 29.0	1.761	2.643	11.8	20.8
12 7	2 56.79	− 7 1.4	1.813	2.634	14.3	20.9
12 17	2 52.76	− 6 10.3	1.885	2.626	16.7	21.1

112177 2002 JA_{96} 11 13.0 85.°01 1.°2/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.52	+23 12.3	1.424	2.250	18.1	20.5
10 18	3 38.97	+22 50.2	1.368	2.268	13.9	20.3
10 28	3 30.44	+22 13.3	1.332	2.286	9.0	20.0
11 7	3 19.99	+21 23.2	1.320	2.304	3.8	19.8
11 17	3 9.04	+20 24.5	1.335	2.322	2.2	19.7
11 27	2 59.10	+19 24.5	1.378	2.339	7.1	20.1
12 7	2 51.42	+18 30.5	1.447	2.356	11.8	20.4
12 17	2 46.67	+17 48.5	1.538	2.373	15.7	20.7

461263 2015 XY_{50} 11 13.0 126.°45 5.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.50	+ 1 46.9	2.289	3.113	12.2	21.1
10 18	3 33.36	+ 1 8.8	2.224	3.118	9.6	20.9
10 28	3 26.47	+ 0 35.7	2.184	3.124	7.1	20.8
11 7	3 18.43	+ 0 11.7	2.170	3.129	5.5	20.7
11 17	3 10.03	+ 0 0.4	2.185	3.134	6.1	20.8
11 27	3 2.09	+ 0 4.0	2.228	3.139	8.2	20.9
12 7	2 55.36	+ 0 23.2	2.297	3.143	10.8	21.1
12 17	2 50.38	+ 0 57.1	2.390	3.148	13.1	21.2

112229 2002 KZ_{13} 11 13.0 108.°82 3.°6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.63	+11 4.2	1.606	2.440	16.0	20.0
10 18	3 38.56	+10 23.4	1.551	2.458	12.1	19.8
10 28	3 29.97	+ 9 40.3	1.519	2.476	7.9	19.6
11 7	3 19.78	+ 8 59.6	1.512	2.494	4.1	19.5
11 17	3 9.17	+ 8 26.3	1.534	2.510	4.6	19.5
11 27	2 59.42	+ 8 4.8	1.584	2.527	8.3	19.8
12 7	2 51.58	+ 7 58.0	1.659	2.542	12.2	20.1
12 17	2 46.28	+ 8 6.6	1.757	2.557	15.5	20.3

397951 2008 YD_{63} 11 13.0 126.°62 4.°3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.51	+32 37.4	2.010	2.786	15.3	21.3
10 18	3 37.01	+32 31.2	1.933	2.795	12.3	21.1
10 28	3 29.05	+32 6.9	1.877	2.803	9.0	20.9
11 7	3 19.47	+31 23.5	1.847	2.811	5.8	20.7
11 17	3 9.36	+30 22.7	1.845	2.819	4.3	20.7
11 27	2 59.96	+29 9.7	1.872	2.827	6.2	20.8
12 7	2 52.30	+27 51.7	1.927	2.834	9.5	21.0
12 17	2 47.08	+26 36.2	2.007	2.841	12.6	21.2