119251 2001 RE_{20} 11 17.9 104°.30 3°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.94	+13 14.2	1.627	2.498	13.8	20.1
10 28	3 53.96	+12 20.5	1.582	2.516	9.7	19.9
11 7	3 44.95	+11 25.7	1.560	2.532	5.6	19.7
11 17	3 34.92	+10 34.8	1.566	2.549	3.3	19.6
11 27	3 25.12	+ 9 52.9	1.601	2.564	6.0	19.8
12 7	3 16.68	+ 9 24.3	1.663	2.580	10.0	20.1
12 17	3 10.43	+ 9 11.2	1.750	2.595	13.6	20.4
12 27	3 6.84	+ 9 13.9	1.857	2.610	16.5	20.6

99114 2001 FN_{63} 11 17.9 136°.21 2°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.33	+13 0.8	1.816	2.686	12.6	19.8
10 28	3 52.14	+12 21.6	1.755	2.689	9.0	19.6
11 7	3 44.03	+11 41.5	1.720	2.692	5.1	19.4
11 17	3 34.85	+11 4.1	1.712	2.695	2.9	19.2
11 27	3 25.70	+10 33.9	1.733	2.697	5.5	19.4
12 7	3 17.64	+10 14.4	1.781	2.700	9.3	19.6
12 17	3 11.49	+10 7.8	1.855	2.702	12.8	19.9
12 27	3 7.79	+10 14.9	1.949	2.704	15.8	20.1

322770 2001 FD_{145} 11 17.9 203°.68 0°.6/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.31	+16 1.5	2.683	3.533	9.7	20.4
10 28	3 53.18	+16 21.9	2.604	3.529	6.9	20.2
11 7	3 44.50	+16 41.1	2.553	3.525	3.7	20.0
11 17	3 34.90	+16 59.2	2.533	3.521	0.7	19.8
11 27	3 25.18	+17 17.1	2.544	3.516	3.3	20.0
12 7	3 16.16	+17 35.9	2.587	3.511	6.5	20.2
12 17	3 8.52	+17 56.9	2.658	3.506	9.4	20.4
12 27	3 2.80	+18 21.5	2.754	3.500	11.8	20.5

353062 2009 DZ_{66} 11 17.9 290°.35 0°.4/18.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.51	+21 47.9	1.733	2.597	13.4	21.7
10 28	3 52.56	+21 28.0	1.659	2.589	9.6	21.5
11 7	3 44.39	+20 58.8	1.608	2.581	5.3	21.2
11 17	3 34.89	+20 21.9	1.585	2.574	0.7	20.9
11 27	3 25.27	+19 41.2	1.590	2.566	4.2	21.1
12 7	3 16.77	+19 1.7	1.623	2.558	8.7	21.4
12 17	3 10.35	+18 28.4	1.681	2.551	12.8	21.6
12 27	3 6.67	+18 5.3	1.761	2.543	16.2	21.8

128416 2004 LC_{22} 11 17.9 125°.72 1°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.08	+18 5.5	2.470	3.327	10.2	20.0
10 28	3 50.78	+17 14.4	2.413	3.342	7.1	19.9
11 7	3 43.11	+16 18.7	2.383	3.357	3.8	19.7
11 17	3 34.76	+15 21.4	2.384	3.371	1.1	19.5
11 27	3 26.54	+14 26.4	2.415	3.385	3.7	19.7
12 7	3 19.20	+13 37.5	2.476	3.398	6.9	19.9
12 17	3 13.35	+12 57.7	2.565	3.411	9.8	20.1
12 27	3 9.40	+12 29.0	2.678	3.423	12.2	20.3

496636 2015 VZ_{33} 11 17.9 309°.25 0°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.38	+23 55.3	1.888	2.748	12.7	20.9
10 28	3 50.89	+23 9.3	1.811	2.739	9.1	20.7
11 7	3 43.42	+22 11.1	1.758	2.730	5.1	20.4
11 17	3 34.80	+21 3.5	1.733	2.721	0.9	20.1
11 27	3 26.13	+19 51.4	1.736	2.712	3.9	20.3
12 7	3 18.50	+18 40.9	1.769	2.704	8.2	20.6
12 17	3 12.77	+17 38.2	1.827	2.695	12.0	20.8
12 27	3 9.52	+16 47.7	1.908	2.687	15.2	21.0

228821 2003 BV_{57} 11 17.9 303°.77 1°.2/18.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.68	+23 7.9	1.403	2.273	15.6	20.4
10 28	3 53.98	+22 59.9	1.324	2.257	11.4	20.1
11 7	3 45.42	+22 40.0	1.267	2.240	6.5	19.8
11 17	3 35.01	+22 8.7	1.236	2.224	1.5	19.4
11 27	3 24.27	+21 29.7	1.231	2.208	4.9	19.6
12 7	3 14.81	+20 49.0	1.252	2.192	10.3	19.8
12 17	3 7.93	+20 13.4	1.297	2.176	15.1	20.1
12 27	3 4.44	+19 48.6	1.361	2.161	19.2	20.3

112101 2002 JB_{35} 11 17.9 267°.85 2°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.75	+14 54.3	1.421	2.297	15.1	20.2
10 28	3 55.24	+14 35.0	1.349	2.286	10.8	19.9
11 7	3 46.01	+14 12.9	1.299	2.274	6.0	19.6
11 17	3 35.06	+13 50.9	1.276	2.262	2.3	19.4
11 27	3 23.87	+13 33.5	1.280	2.250	6.0	19.6
12 7	3 13.96	+13 24.8	1.310	2.239	11.0	19.8
12 17	3 6.55	+13 28.0	1.363	2.226	15.6	20.1
12 27	3 2.38	+13 45.1	1.436	2.214	19.4	20.3

258241 2001 TY_{136} 11 17.9 6°.74 6°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.77	+ 4 20.1	1.438	2.317	14.8	19.4
10 28	3 51.37	+ 3 46.7	1.387	2.318	11.1	19.2
11 7	3 43.73	+ 3 23.0	1.358	2.319	7.8	19.0
11 17	3 34.84	+ 3 14.1	1.355	2.322	6.6	19.0
11 27	3 25.98	+ 3 24.1	1.377	2.325	8.7	19.1
12 7	3 18.39	+ 3 53.9	1.424	2.330	12.2	19.3
12 17	3 13.00	+ 4 42.2	1.493	2.335	15.7	19.6
12 27	3 10.39	+ 5 46.2	1.581	2.341	18.7	19.8

31674 1999 JD_9 11 17.9 58°.30 3°.6/16.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.86	+ 8 50.3	1.868	2.734	12.5	17.7
10 28	3 53.17	+ 8 48.8	1.810	2.740	9.0	17.5
11 7	3 44.57	+ 8 51.5	1.778	2.746	5.5	17.3
11 17	3 34.92	+ 9 0.7	1.773	2.752	3.6	17.2
11 27	3 25.29	+ 9 18.5	1.798	2.759	5.8	17.3
12 7	3 16.73	+ 9 45.9	1.850	2.766	9.2	17.6
12 17	3 10.06	+10 22.9	1.928	2.772	12.6	17.8
12 27	3 5.82	+11 9.2	2.028	2.779	15.4	18.0

435086 2007 CC_{12} 11 17.9 163°.34 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.75	+20 4.1	1.787	2.647	13.3	21.6
10 28	3 54.69	+19 51.2	1.722	2.651	9.5	21.4
11 7	3 45.46	+19 31.4	1.682	2.655	5.1	21.2
11 17	3 35.01	+19 6.0	1.669	2.658	0.5	20.8
11 27	3 24.55	+18 38.3	1.686	2.660	4.2	21.1
12 7	3 15.30	+18 12.7	1.731	2.663	8.6	21.4
12 17	3 8.17	+17 53.0	1.802	2.664	12.4	21.6
12 27	3 3.75	+17 42.5	1.895	2.666	15.6	21.9

76359 2000 EN_{169} 11 17.9 206°.21 2°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.37	+ 9 52.7	2.911	3.766	8.9	20.0
10 28	3 50.26	+ 9 40.8	2.836	3.761	6.4	19.8
11 7	3 42.88	+ 9 30.6	2.788	3.755	3.8	19.7
11 17	3 34.78	+ 9 24.0	2.771	3.749	2.5	19.6
11 27	3 26.63	+ 9 22.7	2.785	3.743	4.2	19.7
12 7	3 19.09	+ 9 28.3	2.829	3.736	6.7	19.8
12 17	3 12.73	+ 9 41.7	2.900	3.729	9.2	20.0
12 27	3 8.00	+10 3.2	2.996	3.722	11.4	20.1

401204 2011 YC_8 11 17.9 318°.21 1°.3/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.16	+24 38.8	1.778	2.638	13.3	21.3
10 28	3 51.60	+24 14.0	1.702	2.629	9.7	21.1
11 7	3 43.88	+23 37.1	1.651	2.621	5.5	20.8
11 17	3 34.88	+22 49.6	1.626	2.613	1.5	20.5
11 27	3 25.79	+21 55.5	1.630	2.605	4.0	20.7
12 7	3 17.80	+21 0.6	1.661	2.598	8.4	21.0
12 17	3 11.85	+20 10.6	1.718	2.591	12.3	21.2
12 27	3 8.56	+19 30.6	1.796	2.584	15.7	21.4

156653 2002 JB_{56} 11 17.9 165°.80 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.06	+19 35.1	2.390	3.246	10.5	20.4
10 28	3 50.98	+19 23.7	2.321	3.248	7.4	20.2
11 7	3 43.34	+19 7.3	2.277	3.250	4.0	20.0
11 17	3 34.82	+18 47.3	2.263	3.252	0.4	19.7
11 27	3 26.29	+18 25.9	2.279	3.253	3.3	20.0
12 7	3 18.58	+18 6.2	2.325	3.254	6.8	20.2
12 17	3 12.38	+17 50.9	2.397	3.255	9.9	20.4
12 27	3 8.20	+17 42.4	2.494	3.256	12.5	20.6

12789 Salvadoraguirre 11 17.9 221°.26 11°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.28	+52 45.0	1.928	2.641	17.8	17.6
10 28	4 3.31	+53 27.3	1.845	2.633	15.8	17.4
11 7	3 50.57	+53 39.0	1.781	2.624	13.8	17.2
11 17	3 35.50	+53 12.6	1.738	2.615	12.3	17.1
11 27	3 20.31	+52 5.6	1.719	2.606	11.8	17.1
12 7	3 7.19	+50 23.5	1.725	2.595	12.5	17.1
12 17	2 57.67	+48 17.3	1.755	2.585	14.3	17.2
12 27	2 52.48	+46 1.0	1.808	2.573	16.5	17.3

293470 2007 EF_{215} 11 18.0 256°.21 4°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.16	+ 8 5.4	2.202	3.069	10.8	20.9
10 28	3 49.71	+ 6 58.1	2.132	3.060	8.0	20.7
11 7	3 42.70	+ 5 52.5	2.089	3.051	5.4	20.6
11 17	3 34.78	+ 4 53.3	2.073	3.042	4.6	20.5
11 27	3 26.82	+ 4 5.5	2.087	3.032	6.5	20.6
12 7	3 19.67	+ 3 32.6	2.129	3.023	9.4	20.8
12 17	3 14.01	+ 3 16.4	2.196	3.013	12.2	20.9
12 27	3 10.34	+ 3 16.8	2.283	3.004	14.7	21.1

16473 1990 QF_2 11 18.0 97°.04 1°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.37	+15 57.5	2.021	2.888	11.7	17.8
10 28	3 51.35	+15 31.5	1.960	2.892	8.2	17.6
11 7	3 43.59	+15 2.5	1.923	2.897	4.5	17.4
11 17	3 34.86	+14 33.1	1.915	2.902	1.6	17.2
11 27	3 26.16	+14 6.7	1.937	2.907	4.4	17.4
12 7	3 18.45	+13 46.7	1.986	2.911	8.1	17.7
12 17	3 12.47	+13 35.5	2.062	2.916	11.4	17.9
12 27	3 8.75	+13 34.8	2.160	2.920	14.3	18.1

480247 2015 HZ_{36} 11 18.0 208°.02 2°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.19	+14 5.3	1.586	2.456	14.1	21.7
10 28	3 55.24	+13 54.5	1.520	2.454	10.1	21.4
11 7	3 45.87	+13 42.5	1.478	2.452	5.6	21.1
11 17	3 35.08	+13 31.8	1.463	2.449	2.3	20.9
11 27	3 24.20	+13 25.6	1.477	2.446	5.5	21.1
12 7	3 14.57	+13 27.0	1.517	2.443	10.0	21.4
12 17	3 7.21	+13 38.2	1.582	2.440	14.1	21.6
12 27	3 2.80	+14 0.6	1.668	2.436	17.5	21.9

487930 2015 TJ_{209} 11 18.0 91°.98 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.18	+19 1.4	1.944	2.806	12.3	20.9
10 28	3 52.73	+18 57.8	1.882	2.812	8.7	20.7
11 7	3 44.37	+18 49.1	1.845	2.818	4.7	20.5
11 17	3 34.94	+18 36.7	1.836	2.824	0.4	20.2
11 27	3 25.51	+18 22.9	1.856	2.830	3.9	20.5
12 7	3 17.14	+18 11.0	1.905	2.836	7.9	20.7
12 17	3 10.66	+18 3.9	1.979	2.842	11.5	21.0
12 27	3 6.61	+18 4.1	2.077	2.848	14.4	21.2

325532 2009 SZ_{19} 11 18.0 347°.86 4°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.08	+ 9 15.1	1.916	2.790	11.9	20.5
10 28	3 49.80	+ 8 19.1	1.855	2.787	8.7	20.3
11 7	3 42.79	+ 7 24.9	1.818	2.785	5.6	20.1
11 17	3 34.79	+ 6 37.4	1.809	2.783	4.4	20.0
11 27	3 26.80	+ 6 1.3	1.829	2.782	6.5	20.1
12 7	3 19.75	+ 5 40.0	1.875	2.780	9.8	20.3
12 17	3 14.40	+ 5 35.0	1.945	2.779	12.9	20.5
12 27	3 11.27	+ 5 46.3	2.037	2.778	15.6	20.7

14332 1981 EX_{26} 11 18.0 113°.61 1°.0/17.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.14	+18 24.4	1.850	2.710	12.9	18.8
10 28	3 54.67	+17 49.4	1.801	2.731	9.1	18.6
11 7	3 45.31	+17 8.8	1.778	2.752	4.8	18.4
11 17	3 35.02	+16 25.6	1.784	2.772	1.0	18.1
11 27	3 24.96	+15 44.0	1.819	2.791	4.3	18.4
12 7	3 16.19	+15 8.4	1.883	2.809	8.4	18.7
12 17	3 9.48	+14 42.2	1.973	2.827	11.9	19.0
12 27	3 5.30	+14 27.7	2.086	2.844	14.8	19.2

214494 2005 UD_{253} 11 18.0 17°.32 1°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.23	+23 51.6	1.974	2.827	12.5	20.5
10 28	3 52.89	+24 3.6	1.905	2.828	9.1	20.3
11 7	3 44.53	+24 7.0	1.860	2.829	5.3	20.0
11 17	3 34.98	+24 1.8	1.844	2.830	1.8	19.8
11 27	3 25.34	+23 49.7	1.856	2.831	3.8	20.0
12 7	3 16.74	+23 33.8	1.897	2.832	7.7	20.2
12 17	3 10.06	+23 18.3	1.964	2.833	11.2	20.4
12 27	3 5.89	+23 6.9	2.054	2.834	14.2	20.6

21218 1994 VP_{7} 11 18.0 351°.31 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.69	+16 55.4	1.610	2.482	13.9	17.3
10 28	3 53.58	+17 29.8	1.541	2.476	9.9	17.1
11 7	3 45.06	+18 2.8	1.496	2.471	5.4	16.8
11 17	3 35.04	+18 34.0	1.478	2.466	0.5	16.4
11 27	3 24.80	+19 3.8	1.487	2.463	4.5	16.7
12 7	3 15.69	+19 33.6	1.524	2.460	9.1	17.0
12 17	3 8.77	+20 5.2	1.586	2.458	13.3	17.2
12 27	3 4.77	+20 40.7	1.670	2.457	16.7	17.5

212120 2005 EG_{193} 11 18.0 337°.56 0°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.49	+22 47.1	1.559	2.427	14.5	20.9
10 28	3 52.75	+22 34.1	1.490	2.422	10.4	20.7
11 7	3 44.60	+22 10.4	1.445	2.417	5.8	20.4
11 17	3 34.99	+21 37.5	1.425	2.413	1.2	20.1
11 27	3 25.29	+20 59.2	1.433	2.409	4.4	20.3
12 7	3 16.85	+20 20.8	1.468	2.406	9.2	20.6
12 17	3 10.71	+19 47.9	1.527	2.403	13.4	20.8
12 27	3 7.52	+19 25.1	1.607	2.400	17.0	21.0

413805 2006 JC_{44} 11 18.0 109°.89 0°.5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.92	+17 12.4	2.439	3.296	10.3	20.6
10 28	3 51.56	+17 20.4	2.372	3.300	7.3	20.4
11 7	3 43.67	+17 26.0	2.332	3.305	3.9	20.2
11 17	3 34.90	+17 29.7	2.321	3.310	0.6	19.9
11 27	3 26.10	+17 33.2	2.341	3.314	3.4	20.2
12 7	3 18.11	+17 38.1	2.391	3.319	6.7	20.4
12 17	3 11.60	+17 46.3	2.468	3.323	9.8	20.6
12 27	3 7.07	+17 59.5	2.569	3.328	12.3	20.8

38126 1999 JT_{44} 11 18.0 53°.02 1°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.70	+21 40.9	1.151	2.027	17.9	17.7
10 28	3 57.53	+22 5.3	1.107	2.042	12.8	17.4
11 7	3 47.23	+22 19.7	1.085	2.058	7.2	17.2
11 17	3 35.23	+22 23.5	1.086	2.074	1.7	16.9
11 27	3 23.42	+22 19.0	1.114	2.090	5.3	17.2
12 7	3 13.57	+22 11.3	1.166	2.107	10.7	17.5
12 17	3 6.88	+22 5.8	1.241	2.124	15.4	17.9
12 27	3 3.94	+22 7.3	1.336	2.141	19.2	18.2

155683 2000 JG_{53} 11 18.0 168°.58 0°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.10	+22 36.1	1.957	2.809	12.7	21.3
10 28	3 54.84	+22 25.4	1.889	2.813	9.1	21.0
11 7	3 45.54	+22 6.0	1.846	2.817	5.1	20.8
11 17	3 35.08	+21 38.8	1.832	2.820	1.0	20.5
11 27	3 24.62	+21 6.6	1.847	2.822	3.8	20.7
12 7	3 15.29	+20 33.7	1.892	2.824	7.9	21.0
12 17	3 7.97	+20 4.7	1.963	2.825	11.6	21.2
12 27	3 3.22	+19 43.2	2.057	2.826	14.6	21.4

280129 2002 LS_{23} 11 18.0 108°.70 4°.8/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.85	+38 8.4	2.609	3.400	11.7	20.6
10 28	3 52.93	+38 1.2	2.545	3.416	9.3	20.4
11 7	3 44.37	+37 37.3	2.506	3.432	6.9	20.3
11 17	3 34.96	+36 56.2	2.493	3.447	5.1	20.2
11 27	3 25.71	+36 0.0	2.511	3.462	5.0	20.2
12 7	3 17.52	+34 53.2	2.557	3.477	6.8	20.4
12 17	3 11.11	+33 41.3	2.632	3.492	9.0	20.5
12 27	3 6.92	+32 30.4	2.732	3.506	11.2	20.7

130001 1999 VC_{34} 11 18.0 49°.39 0°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.70	+17 21.8	1.480	2.351	14.9	19.2
10 28	3 55.61	+17 45.6	1.430	2.364	10.6	19.0
11 7	3 46.05	+18 5.9	1.404	2.378	5.7	18.8
11 17	3 35.13	+18 22.9	1.404	2.392	0.6	18.4
11 27	3 24.30	+18 38.0	1.432	2.407	4.7	18.8
12 7	3 14.94	+18 53.6	1.487	2.422	9.4	19.1
12 17	3 8.05	+19 12.2	1.567	2.437	13.5	19.4
12 27	3 4.24	+19 36.3	1.667	2.452	16.9	19.7

259619 2003 VM_{11} 11 18.0 336°.26 1°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.48	+15 10.1	1.064	1.956	17.7	19.4
10 28	3 55.11	+15 35.7	0.998	1.942	12.8	19.1
11 7	3 46.30	+16 2.0	0.952	1.929	7.0	18.7
11 17	3 35.19	+16 29.5	0.930	1.918	1.4	18.3
11 27	3 23.63	+16 59.5	0.931	1.907	6.2	18.6
12 7	3 13.62	+17 34.0	0.956	1.898	12.3	18.9
12 17	3 6.72	+18 14.8	1.002	1.890	17.8	19.2
12 27	3 3.87	+19 3.7	1.066	1.883	22.3	19.5

191495 2003 UN_{11} 11 18.0 27°.42 11°.1/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.75	+51 16.2	1.962	2.692	17.0	19.7
10 28	3 57.64	+52 11.2	1.901	2.700	15.0	19.6
11 7	3 47.38	+52 38.0	1.859	2.709	13.1	19.5
11 17	3 35.26	+52 31.3	1.839	2.718	11.6	19.4
11 27	3 23.12	+51 50.0	1.842	2.728	11.1	19.4
12 7	3 12.76	+50 39.3	1.868	2.738	11.7	19.5
12 17	3 5.47	+49 8.1	1.919	2.749	13.2	19.6
12 27	3 1.89	+47 27.1	1.990	2.760	15.0	19.7

49930 1999 XZ_{176} 11 18.0 58°.81 2°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.12	+12 19.0	1.538	2.408	14.5	17.4
10 28	3 55.63	+12 30.7	1.497	2.430	10.2	17.2
11 7	3 45.94	+12 43.9	1.479	2.452	5.7	17.0
11 17	3 35.12	+13 0.1	1.489	2.475	2.4	16.8
11 27	3 24.53	+13 20.7	1.528	2.497	5.4	17.0
12 7	3 15.41	+13 47.2	1.594	2.520	9.6	17.3
12 17	3 8.66	+14 20.5	1.684	2.543	13.3	17.6
12 27	3 4.77	+15 0.8	1.796	2.566	16.4	17.9

327769 2006 UY_{84} 11 18.0 81°.57 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.24	+20 48.7	1.390	2.256	16.0	20.8
10 28	3 57.55	+21 8.3	1.341	2.272	11.4	20.6
11 7	3 47.14	+21 20.1	1.315	2.287	6.3	20.4
11 17	3 35.24	+21 23.6	1.315	2.303	1.2	20.1
11 27	3 23.49	+21 21.0	1.342	2.318	4.8	20.4
12 7	3 13.40	+21 16.2	1.397	2.333	9.7	20.7
12 17	3 6.08	+21 13.9	1.476	2.348	14.0	21.0
12 27	3 2.11	+21 17.8	1.575	2.363	17.5	21.3

449867 2015 MS_{57} 11 18.0 110°.25 2°.8/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.37	+12 35.7	1.882	2.747	12.5	21.5
10 28	3 53.45	+12 8.0	1.831	2.763	8.8	21.3
11 7	3 44.70	+11 40.4	1.806	2.778	5.0	21.1
11 17	3 35.02	+11 16.0	1.810	2.792	2.8	21.0
11 27	3 25.47	+10 58.2	1.842	2.807	5.2	21.2
12 7	3 17.08	+10 49.7	1.903	2.821	8.9	21.4
12 17	3 10.61	+10 52.2	1.989	2.834	12.2	21.7
12 27	3 6.54	+11 6.2	2.097	2.847	15.0	21.9

128007 2003 HS_{55} 11 18.0 212°.34 0°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.22	+19 18.7	1.937	2.797	12.4	20.3
10 28	3 53.57	+18 50.9	1.862	2.792	8.8	20.1
11 7	3 44.90	+18 16.4	1.812	2.786	4.7	19.8
11 17	3 35.05	+17 37.2	1.791	2.779	0.7	19.5
11 27	3 25.12	+16 57.2	1.799	2.772	4.2	19.8
12 7	3 16.22	+16 20.9	1.836	2.765	8.4	20.0
12 17	3 9.22	+15 52.3	1.899	2.757	12.1	20.2
12 27	3 4.74	+15 34.5	1.984	2.748	15.2	20.4

182980 2002 NQ_{46} 11 18.0 108°.08 0°.0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.26	+19 54.1	1.831	2.693	12.9	20.6
10 28	3 53.58	+19 44.9	1.772	2.701	9.2	20.4
11 7	3 44.87	+19 29.4	1.737	2.710	4.9	20.2
11 17	3 35.04	+19 8.9	1.729	2.718	0.5	19.9
11 27	3 25.26	+18 46.6	1.751	2.726	4.0	20.2
12 7	3 16.64	+18 26.1	1.801	2.734	8.2	20.4
12 17	3 10.05	+18 11.0	1.877	2.741	11.9	20.7
12 27	3 6.04	+18 4.3	1.975	2.749	15.0	20.9

265108 2003 SR_{395} 11 18.0 320°.21 4°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.28	+10 42.4	1.309	2.189	15.8	20.2
10 28	3 54.92	+10 15.7	1.249	2.186	11.4	20.0
11 7	3 45.85	+ 9 51.3	1.211	2.183	6.8	19.7
11 17	3 35.15	+ 9 33.8	1.199	2.180	4.3	19.6
11 27	3 24.37	+ 9 27.9	1.212	2.177	7.3	19.7
12 7	3 15.03	+ 9 36.7	1.251	2.174	12.0	20.0
12 17	3 8.28	+10 1.3	1.313	2.172	16.3	20.3
12 27	3 4.82	+10 41.2	1.393	2.170	20.0	20.5

256643 2007 VB_{321} 11 18.0 347°.25 6°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.80	+ 9 16.9	1.084	1.979	17.2	20.5
10 28	3 52.76	+ 8 8.9	1.031	1.973	12.6	20.2
11 7	3 44.77	+ 7 3.7	0.998	1.969	8.2	19.9
11 17	3 35.06	+ 6 9.9	0.988	1.965	6.4	19.8
11 27	3 25.29	+ 5 35.7	1.003	1.962	9.5	20.0
12 7	3 17.13	+ 5 26.3	1.040	1.959	14.2	20.3
12 17	3 11.78	+ 5 42.5	1.096	1.958	18.7	20.5
12 27	3 9.92	+ 6 22.1	1.170	1.957	22.5	20.8

227019 2004 XN_{149} 11 18.0 310°.16 0°.1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.45	+20 18.8	2.045	2.907	11.7	20.7
10 28	3 50.92	+20 8.8	1.964	2.894	8.4	20.5
11 7	3 43.51	+19 52.5	1.908	2.881	4.6	20.2
11 17	3 34.94	+19 31.2	1.880	2.868	0.5	19.9
11 27	3 26.21	+19 7.6	1.881	2.856	3.7	20.1
12 7	3 18.35	+18 45.1	1.910	2.844	7.8	20.3
12 17	3 12.20	+18 27.4	1.966	2.832	11.4	20.5
12 27	3 8.38	+18 17.3	2.044	2.820	14.4	20.7

490416 2009 SD_{40} 11 18.0 289°.80 3°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.78	+29 29.5	2.200	3.033	12.2	21.5
10 28	3 53.27	+29 55.5	2.125	3.031	9.2	21.3
11 7	3 44.76	+30 9.8	2.075	3.029	6.1	21.1
11 17	3 35.06	+30 11.3	2.052	3.028	3.7	20.9
11 27	3 25.21	+30 0.6	2.059	3.026	4.4	21.0
12 7	3 16.32	+29 40.7	2.094	3.025	7.4	21.1
12 17	3 9.26	+29 16.0	2.156	3.023	10.5	21.3
12 27	3 4.64	+28 51.6	2.242	3.021	13.2	21.5

181000 2005 NH_{39} 11 18.0 141°.83 1°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.80	+23 33.6	1.649	2.504	14.4	20.7
10 28	3 56.36	+23 38.1	1.587	2.511	10.5	20.5
11 7	3 46.48	+23 32.2	1.549	2.518	6.0	20.2
11 17	3 35.21	+23 16.1	1.538	2.525	1.8	20.0
11 27	3 23.96	+22 52.4	1.556	2.531	4.4	20.2
12 7	3 14.08	+22 25.8	1.601	2.536	8.8	20.4
12 17	3 6.60	+22 1.3	1.673	2.542	12.9	20.7
12 27	3 2.14	+21 43.8	1.766	2.546	16.2	20.9

321282 2009 EU_{22} 11 18.0 358°.44 1°.8/17.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.02	+18 7.0	1.160	2.046	17.0	21.3
10 28	3 54.27	+17 21.3	1.103	2.045	12.1	21.0
11 7	3 45.57	+16 26.8	1.067	2.044	6.5	20.7
11 17	3 35.14	+15 28.6	1.056	2.044	1.8	20.4
11 27	3 24.71	+14 34.0	1.070	2.044	6.2	20.7
12 7	3 15.96	+13 50.5	1.109	2.044	11.8	21.0
12 17	3 10.07	+13 23.5	1.169	2.045	16.7	21.3
12 27	3 7.71	+13 15.5	1.248	2.046	20.7	21.6

85113 4116 $T\text{-}_3$ 11 18.0 80°.52 3°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.98	+25 14.2	1.459	2.308	16.3	19.1
10 28	4 0.74	+25 58.1	1.420	2.339	11.9	18.9
11 7	3 48.77	+26 29.0	1.404	2.369	7.1	18.7
11 17	3 35.42	+26 44.7	1.415	2.399	3.2	18.6
11 27	3 22.41	+26 46.4	1.456	2.428	5.1	18.8
12 7	3 11.29	+26 38.7	1.523	2.457	9.3	19.1
12 17	3 3.11	+26 27.6	1.616	2.485	13.3	19.4
12 27	2 58.39	+26 18.9	1.731	2.513	16.4	19.7

434024 2001 SL_{76} 11 18.0 16°.47 4°.4/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.15	+14 8.1	1.033	1.934	17.3	20.0
10 28	3 50.78	+12 48.7	0.991	1.940	12.3	19.8
11 7	3 43.61	+11 26.3	0.971	1.947	7.1	19.5
11 17	3 34.95	+10 9.5	0.973	1.956	4.5	19.4
11 27	3 26.47	+ 9 8.1	0.999	1.966	8.1	19.6
12 7	3 19.73	+ 8 28.9	1.048	1.978	13.0	19.9
12 17	3 15.76	+ 8 14.3	1.118	1.991	17.5	20.3
12 27	3 15.09	+ 8 23.5	1.204	2.005	21.2	20.6

515854 2015 OW_{71} 11 18.0 45°.07 0°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.33	+22 41.7	1.558	2.425	14.5	21.3
10 28	3 53.21	+22 24.8	1.502	2.433	10.4	21.1
11 7	3 44.77	+21 57.6	1.468	2.441	5.8	20.8
11 17	3 35.07	+21 21.8	1.461	2.449	1.1	20.5
11 27	3 25.43	+20 41.5	1.482	2.458	4.3	20.8
12 7	3 17.17	+20 2.3	1.530	2.467	8.9	21.1
12 17	3 11.22	+19 29.4	1.602	2.476	13.0	21.4
12 27	3 8.16	+19 6.8	1.695	2.486	16.4	21.6

233681 2008 RH_{106} 11 18.0 348°.45 4°.9/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.39	+34 5.5	2.042	2.865	13.3	20.4
10 28	3 52.45	+34 18.9	1.967	2.862	10.4	20.2
11 7	3 44.38	+34 15.8	1.916	2.860	7.4	20.0
11 17	3 35.04	+33 54.8	1.891	2.857	5.1	19.9
11 27	3 25.62	+33 17.4	1.894	2.856	5.4	19.9
12 7	3 17.28	+32 27.9	1.925	2.854	8.0	20.1
12 17	3 10.97	+31 32.5	1.981	2.853	11.0	20.2
12 27	3 7.29	+30 37.9	2.061	2.852	13.9	20.4

171085 2005 EF_{197} 11 18.0 234°.74 3°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.46	+29 18.4	1.565	2.411	15.6	20.1
10 28	3 56.52	+29 18.9	1.489	2.404	11.8	19.9
11 7	3 46.77	+29 2.2	1.435	2.396	7.5	19.6
11 17	3 35.28	+28 27.1	1.407	2.387	3.9	19.4
11 27	3 23.60	+27 36.3	1.406	2.379	5.3	19.5
12 7	3 13.32	+26 36.3	1.433	2.370	9.5	19.7
12 17	3 5.65	+25 35.4	1.485	2.360	13.8	19.9
12 27	3 1.34	+24 41.4	1.558	2.350	17.5	20.1

311870 2006 WN_{95} 11 18.0 246°.68 1°.4/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.92	+15 13.8	2.327	3.186	10.7	21.2
10 28	3 52.48	+15 3.7	2.241	3.170	7.6	21.0
11 7	3 44.30	+14 51.6	2.181	3.154	4.2	20.8
11 17	3 35.05	+14 39.2	2.151	3.137	1.4	20.5
11 27	3 25.62	+14 28.7	2.151	3.121	4.0	20.7
12 7	3 16.93	+14 22.7	2.180	3.103	7.6	20.9
12 17	3 9.77	+14 23.3	2.237	3.085	10.9	21.1
12 27	3 4.71	+14 32.2	2.317	3.067	13.7	21.2

37061 2000 UL_{45} 11 18.0 338°.04 1°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.07	+16 25.4	1.849	2.719	12.4	19.0
10 28	3 51.40	+16 7.2	1.780	2.715	8.8	18.8
11 7	3 43.78	+15 45.6	1.736	2.711	4.8	18.6
11 17	3 35.00	+15 22.9	1.720	2.707	1.4	18.3
11 27	3 26.16	+15 2.4	1.732	2.704	4.5	18.5
12 7	3 18.31	+14 47.7	1.772	2.701	8.6	18.8
12 17	3 12.33	+14 41.4	1.837	2.698	12.3	19.0
12 27	3 8.80	+14 45.5	1.923	2.696	15.4	19.2

326921 2003 YW_{103} 11 18.0 28°.74 2°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.96	+11 0.2	2.041	2.908	11.6	19.6
10 28	3 51.79	+11 0.6	1.981	2.912	8.3	19.4
11 7	3 43.89	+11 3.2	1.947	2.917	4.8	19.2
11 17	3 35.01	+11 9.9	1.940	2.922	2.7	19.1
11 27	3 26.13	+11 22.5	1.963	2.928	4.9	19.2
12 7	3 18.19	+11 42.3	2.014	2.934	8.3	19.4
12 17	3 11.95	+12 10.1	2.091	2.940	11.5	19.7
12 27	3 7.93	+12 46.1	2.191	2.946	14.2	19.9

25828 2000 DM_{102} 11 18.0 185°.53 4°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.41	+ 6 26.4	2.456	3.317	10.1	18.5
10 28	3 49.75	+ 5 51.5	2.393	3.317	7.5	18.3
11 7	3 42.71	+ 5 20.7	2.357	3.317	5.0	18.2
11 17	3 34.90	+ 4 57.0	2.348	3.316	4.2	18.1
11 27	3 27.09	+ 4 43.6	2.370	3.316	5.7	18.2
12 7	3 20.02	+ 4 42.1	2.420	3.315	8.3	18.4
12 17	3 14.31	+ 4 53.2	2.495	3.314	10.9	18.6
12 27	3 10.41	+ 5 16.6	2.593	3.314	13.1	18.7

364788 2008 AW_{44} 11 18.0 308°.86 1°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.02	+23 53.2	1.710	2.572	13.7	21.2
10 28	3 52.42	+23 42.4	1.629	2.557	10.0	20.9
11 7	3 44.49	+23 20.7	1.572	2.543	5.7	20.7
11 17	3 35.10	+22 48.8	1.541	2.528	1.6	20.4
11 27	3 25.49	+22 9.8	1.538	2.514	4.2	20.5
12 7	3 16.95	+21 28.8	1.563	2.501	8.8	20.8
12 17	3 10.54	+20 51.4	1.613	2.487	12.9	21.0
12 27	3 6.94	+20 22.6	1.684	2.474	16.5	21.2

179999 2002 YL 11 18.0 349°.49 1°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.05	+16 0.1	1.342	2.227	15.2	19.5
10 28	3 52.03	+16 2.9	1.277	2.218	10.9	19.2
11 7	3 44.38	+16 3.3	1.233	2.210	5.9	18.9
11 17	3 35.09	+16 3.2	1.215	2.203	1.4	18.6
11 27	3 25.62	+16 5.6	1.223	2.197	5.4	18.9
12 7	3 17.43	+16 13.6	1.256	2.193	10.5	19.2
12 17	3 11.69	+16 29.8	1.312	2.190	15.0	19.4
12 27	3 9.12	+16 56.1	1.387	2.188	18.8	19.7

333027 2011 SC_{12} 11 18.0 76°.09 7°.2/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.48	+38 30.6	1.755	2.557	16.1	20.1
10 28	3 59.03	+39 12.3	1.710	2.584	12.9	20.0
11 7	3 47.92	+39 31.3	1.687	2.612	9.8	19.9
11 17	3 35.41	+39 24.2	1.690	2.639	7.5	19.8
11 27	3 23.14	+38 52.5	1.719	2.666	7.5	19.8
12 7	3 12.62	+38 2.0	1.776	2.692	9.5	20.0
12 17	3 4.90	+37 1.4	1.858	2.718	12.2	20.2
12 27	3 0.51	+35 59.5	1.962	2.744	14.8	20.5

59518 1999 JX_{17} 11 18.0 101°.08 0°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.07	+23 47.3	1.652	2.512	14.2	18.1
10 28	3 53.57	+22 49.9	1.593	2.521	10.1	17.9
11 7	3 44.91	+21 39.6	1.558	2.530	5.5	17.6
11 17	3 35.13	+20 20.2	1.551	2.539	0.7	17.3
11 27	3 25.51	+18 58.0	1.572	2.548	4.3	17.6
12 7	3 17.27	+17 40.5	1.622	2.556	8.8	17.9
12 17	3 11.26	+16 34.3	1.698	2.565	12.8	18.1
12 27	3 8.01	+15 43.4	1.795	2.573	16.1	18.4

169072 2001 FN_{196} 11 18.0 206°.26 0°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.80	+17 14.1	2.149	3.005	11.5	20.5
10 28	3 53.88	+17 14.2	2.073	3.001	8.2	20.2
11 7	3 45.08	+17 11.0	2.023	2.996	4.4	20.0
11 17	3 35.16	+17 5.6	2.003	2.991	0.7	19.7
11 27	3 25.13	+17 0.0	2.013	2.985	3.9	20.0
12 7	3 16.00	+16 56.7	2.052	2.979	7.7	20.2
12 17	3 8.59	+16 58.1	2.118	2.973	11.2	20.4
12 27	3 3.51	+17 6.5	2.208	2.966	14.1	20.6

307909 2004 CW_{105} 11 18.0 252°.36 4°.6/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.22	+34 4.2	1.962	2.785	13.8	20.4
10 28	3 53.80	+33 56.1	1.884	2.780	10.8	20.2
11 7	3 45.14	+33 29.5	1.828	2.775	7.5	20.0
11 17	3 35.18	+32 43.6	1.799	2.769	4.9	19.8
11 27	3 25.16	+31 40.8	1.798	2.764	5.2	19.8
12 7	3 16.34	+30 27.0	1.826	2.758	8.1	20.0
12 17	3 9.66	+29 9.7	1.880	2.753	11.5	20.2
12 27	3 5.75	+27 56.3	1.958	2.747	14.5	20.4

144319 2004 DR_{18} 11 18.0 238°.63 1°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.49	+16 51.1	2.013	2.877	11.8	20.1
10 28	3 52.32	+16 32.2	1.939	2.871	8.4	19.9
11 7	3 44.27	+16 9.5	1.891	2.865	4.5	19.7
11 17	3 35.10	+15 45.1	1.871	2.859	1.2	19.4
11 27	3 25.84	+15 22.1	1.881	2.852	4.2	19.6
12 7	3 17.52	+15 3.9	1.919	2.846	8.2	19.9
12 17	3 10.96	+14 53.4	1.983	2.839	11.7	20.1
12 27	3 6.75	+14 52.7	2.069	2.832	14.7	20.3

488126 2015 VK_{113} 11 18.0 34°.78 4°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.34	+11 18.9	1.658	2.538	13.1	20.1
10 28	3 50.07	+ 9 25.8	1.613	2.549	9.4	19.9
11 7	3 42.98	+ 7 32.5	1.593	2.561	6.0	19.7
11 17	3 34.97	+ 5 47.2	1.601	2.573	5.0	19.7
11 27	3 27.14	+ 4 18.0	1.637	2.586	7.5	19.9
12 7	3 20.49	+ 3 10.6	1.700	2.600	10.9	20.1
12 17	3 15.77	+ 2 27.3	1.786	2.614	14.2	20.3
12 27	3 13.43	+ 2 7.5	1.892	2.628	16.8	20.6

124994 2001 TL_{145} 11 18.0 304°.68 0°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.82	+18 7.6	1.409	2.283	15.3	19.2
10 28	3 55.65	+18 26.8	1.326	2.261	11.1	18.9
11 7	3 46.52	+18 42.4	1.266	2.240	6.1	18.5
11 17	3 35.35	+18 54.5	1.231	2.220	0.6	18.1
11 27	3 23.65	+19 4.5	1.224	2.199	5.1	18.4
12 7	3 13.08	+19 15.2	1.242	2.179	10.6	18.6
12 17	3 5.06	+19 30.0	1.284	2.160	15.5	18.9
12 27	3 0.49	+19 52.3	1.346	2.140	19.7	19.1

226293 2003 BT_{50} 11 18.0 271°.39 3°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.37	+29 6.4	1.568	2.417	15.4	20.3
10 28	3 54.99	+29 0.3	1.494	2.411	11.6	20.1
11 7	3 45.94	+28 37.1	1.442	2.404	7.3	19.8
11 17	3 35.28	+27 56.2	1.416	2.398	3.7	19.6
11 27	3 24.48	+27 1.0	1.418	2.391	5.0	19.7
12 7	3 15.05	+25 57.9	1.447	2.385	9.3	19.9
12 17	3 8.14	+24 55.2	1.501	2.378	13.5	20.1
12 27	3 4.44	+24 0.3	1.575	2.372	17.2	20.4

214133 2005 AV_{8} 11 18.0 350°.10 4°.9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.26	+10 39.3	1.038	1.934	17.8	19.6
10 28	3 54.00	+10 12.2	0.984	1.928	12.9	19.3
11 7	3 45.59	+ 9 48.5	0.949	1.923	7.8	19.1
11 17	3 35.25	+ 9 33.6	0.937	1.919	4.9	18.9
11 27	3 24.78	+ 9 33.1	0.949	1.916	8.3	19.1
12 7	3 15.99	+ 9 50.3	0.984	1.915	13.5	19.4
12 17	3 10.19	+10 25.8	1.038	1.914	18.4	19.6
12 27	3 8.13	+11 18.1	1.110	1.914	22.4	19.9

254816 2005 QW_{124} 11 18.0 26°.38 0°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.31	+22 21.1	1.789	2.651	13.2	20.9
10 28	3 52.36	+22 12.7	1.725	2.654	9.4	20.7
11 7	3 44.34	+21 55.7	1.686	2.658	5.3	20.5
11 17	3 35.12	+21 31.2	1.673	2.661	1.1	20.2
11 27	3 25.90	+21 2.3	1.689	2.665	3.9	20.4
12 7	3 17.82	+20 33.2	1.733	2.669	8.2	20.7
12 17	3 11.77	+20 8.4	1.803	2.674	12.0	20.9
12 27	3 8.31	+19 51.6	1.894	2.679	15.1	21.2

436784 2012 PE_{10} 11 18.0 100°.63 2°.9/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.03	+13 56.7	1.621	2.491	13.8	21.9
10 28	3 54.15	+13 9.7	1.573	2.507	9.8	21.7
11 7	3 45.20	+12 21.0	1.550	2.523	5.5	21.5
11 17	3 35.20	+11 35.0	1.555	2.539	2.9	21.4
11 27	3 25.41	+10 56.9	1.588	2.554	5.8	21.6
12 7	3 16.96	+10 30.6	1.648	2.568	9.8	21.9
12 17	3 10.71	+10 18.7	1.733	2.583	13.5	22.1
12 27	3 7.13	+10 21.7	1.839	2.597	16.5	22.4

523381 2017 DF_{13} 11 18.0 40°.44 2°.3/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.29	+24 40.2	2.017	2.864	12.5	20.9
10 28	3 54.43	+25 14.1	1.948	2.867	9.2	20.6
11 7	3 45.48	+25 39.8	1.904	2.869	5.5	20.4
11 17	3 35.26	+25 56.0	1.887	2.871	2.4	20.2
11 27	3 24.91	+26 3.2	1.901	2.874	4.0	20.4
12 7	3 15.58	+26 3.7	1.943	2.876	7.7	20.6
12 17	3 8.19	+26 1.2	2.012	2.879	11.1	20.8
12 27	3 3.37	+25 59.9	2.103	2.881	14.0	21.0

179258 2001 UF_{142} 11 18.0 350°.45 0°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.50	+18 37.4	1.710	2.579	13.3	20.2
10 28	3 52.61	+18 34.8	1.643	2.577	9.5	20.0
11 7	3 44.54	+18 27.2	1.600	2.574	5.1	19.7
11 17	3 35.18	+18 15.9	1.584	2.572	0.6	19.4
11 27	3 25.72	+18 3.6	1.596	2.571	4.3	19.6
12 7	3 17.38	+17 53.8	1.635	2.570	8.7	19.9
12 17	3 11.10	+17 49.8	1.700	2.569	12.7	20.2
12 27	3 7.50	+17 54.1	1.786	2.569	16.0	20.4

124866 2001 TM_{30} 11 18.1 240°.70 0°.7/18.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.05	+22 37.2	1.783	2.641	13.4	20.1
10 28	3 54.47	+22 16.6	1.703	2.630	9.7	19.9
11 7	3 45.59	+21 45.9	1.647	2.619	5.4	19.6
11 17	3 35.29	+21 6.1	1.619	2.607	0.9	19.3
11 27	3 24.83	+20 21.1	1.620	2.595	4.2	19.5
12 7	3 15.47	+19 36.1	1.649	2.583	8.7	19.7
12 17	3 8.21	+18 56.5	1.703	2.570	12.8	20.0
12 27	3 3.75	+18 26.9	1.780	2.556	16.3	20.2

513968 2014 FF_{40} 11 18.1 182°.88 2°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.34	+13 11.0	1.974	2.837	12.1	21.9
10 28	3 53.59	+12 50.3	1.907	2.838	8.6	21.7
11 7	3 44.96	+12 29.0	1.866	2.838	4.9	21.4
11 17	3 35.24	+12 9.7	1.854	2.838	2.4	21.3
11 27	3 25.48	+11 55.5	1.870	2.837	5.0	21.4
12 7	3 16.73	+11 49.2	1.916	2.836	8.7	21.7
12 17	3 9.81	+11 52.7	1.988	2.834	12.1	21.9
12 27	3 5.27	+12 7.1	2.081	2.832	15.0	22.1

293348 2007 DW_{105} 11 18.1 200°.53 0°.0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.09	+20 24.5	2.576	3.428	10.0	21.9
10 28	3 51.03	+20 5.0	2.499	3.425	7.1	21.7
11 7	3 43.49	+19 39.8	2.449	3.421	3.8	21.5
11 17	3 35.10	+19 10.4	2.429	3.417	0.4	21.2
11 27	3 26.67	+18 39.3	2.439	3.413	3.1	21.4
12 7	3 18.99	+18 9.5	2.479	3.408	6.5	21.6
12 17	3 12.73	+17 44.2	2.547	3.403	9.5	21.8
12 27	3 8.35	+17 25.9	2.639	3.398	12.0	22.0

406771 2008 OH_{21} 11 18.1 22°.31 7°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.45	+ 4 43.7	1.585	2.465	13.6	19.6
10 28	3 48.81	+ 3 3.6	1.548	2.478	10.3	19.5
11 7	3 42.36	+ 1 31.4	1.536	2.491	7.7	19.4
11 17	3 34.98	+ 0 15.0	1.550	2.506	7.3	19.4
11 27	3 27.78	− 0 39.1	1.589	2.522	9.3	19.5
12 7	3 21.73	− 1 7.8	1.653	2.538	12.2	19.7
12 17	3 17.58	− 1 11.3	1.740	2.555	15.0	20.0
12 27	3 15.77	− 0 52.4	1.844	2.573	17.4	20.2

434202 2003 QO_{56} 11 18.1 60°.19 2°.5/19.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.09	+25 42.9	1.457	2.313	16.0	21.3
10 28	3 57.21	+25 54.5	1.422	2.345	11.6	21.1
11 7	3 46.89	+25 52.6	1.410	2.377	6.8	20.9
11 17	3 35.42	+25 37.2	1.425	2.410	2.8	20.8
11 27	3 24.34	+25 11.6	1.467	2.442	4.7	21.0
12 7	3 15.05	+24 41.5	1.537	2.474	8.9	21.3
12 17	3 8.46	+24 12.8	1.631	2.506	12.8	21.6
12 27	3 5.02	+23 50.5	1.747	2.537	16.0	21.9

347353 2012 QX_{24} 11 18.1 102°.56 2°.9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.24	+14 22.4	1.602	2.475	13.9	20.7
10 28	3 53.69	+13 29.5	1.551	2.486	9.8	20.5
11 7	3 45.02	+12 34.1	1.524	2.497	5.5	20.2
11 17	3 35.25	+11 41.0	1.524	2.508	2.9	20.1
11 27	3 25.63	+10 55.6	1.553	2.519	5.8	20.3
12 7	3 17.33	+10 22.7	1.609	2.529	10.0	20.6
12 17	3 11.21	+10 4.9	1.689	2.540	13.7	20.8
12 27	3 7.79	+10 3.2	1.789	2.550	16.8	21.1

151511 2002 PL_{22} 11 18.1 72°.77 3°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.32	+28 24.7	1.348	2.205	17.0	20.1
10 28	3 56.34	+28 8.5	1.298	2.220	12.5	19.8
11 7	3 46.60	+27 33.8	1.270	2.236	7.6	19.6
11 17	3 35.42	+26 41.8	1.268	2.251	3.4	19.4
11 27	3 24.49	+25 37.6	1.292	2.267	5.1	19.6
12 7	3 15.36	+24 29.5	1.342	2.282	9.7	19.9
12 17	3 9.09	+23 26.1	1.417	2.298	14.0	20.2
12 27	3 6.20	+22 34.1	1.513	2.313	17.6	20.4

517034 2012 XH_{97} 11 18.1 298°.21 1°.8/18.9 18

10 18	3 59.97	+24 20.3	1.603	2.465	14.5	21.3
10 28	3 54.03	+24 20.6	1.523	2.450	10.6	21.0
11 7	3 45.51	+24 9.6	1.466	2.435	6.2	20.7
11 17	3 35.34	+23 47.2	1.434	2.421	2.0	20.4
11 27	3 24.89	+23 15.9	1.431	2.406	4.5	20.6
12 7	3 15.60	+22 40.9	1.454	2.392	9.2	20.8
12 17	3 8.61	+22 7.9	1.502	2.378	13.6	21.0
12 27	3 4.69	+21 42.6	1.571	2.365	17.3	21.3

269840 2000 CA_{43} 11 18.1 231°.76 4°.5/20.6 18

10 18	4 3.50	+32 35.1	1.808	2.636	14.6	20.7
10 28	3 56.40	+32 35.2	1.725	2.626	11.3	20.5
11 7	3 46.72	+32 16.9	1.665	2.616	7.7	20.2
11 17	3 35.46	+31 38.7	1.631	2.605	4.8	20.1
11 27	3 24.02	+30 42.4	1.626	2.593	5.4	20.1
12 7	3 13.83	+29 34.2	1.649	2.581	8.8	20.2
12 17	3 6.02	+28 22.0	1.698	2.569	12.6	20.4
12 27	3 1.30	+27 14.0	1.769	2.556	15.9	20.6

183279 2002 TG_{271} 11 18.1 118°.12 0°.1/18.1 17

10 18	4 2.00	+22 6.7	1.570	2.433	14.6	20.1
10 28	3 55.07	+21 27.3	1.513	2.443	10.4	19.9
11 7	3 45.83	+20 37.0	1.480	2.453	5.7	19.7
11 17	3 35.36	+19 38.9	1.474	2.463	0.6	19.3
11 27	3 25.03	+18 38.5	1.497	2.472	4.5	19.6
12 7	3 16.15	+17 42.4	1.548	2.482	9.2	19.9
12 17	3 9.65	+16 56.1	1.623	2.490	13.3	20.2
12 27	3 6.06	+16 23.6	1.720	2.499	16.7	20.5

276185 2002 PF_{171} 11 18.1 74°.18 3°.7/20.6 18

10 18	4 0.00	+31 50.6	2.274	3.097	12.1	20.5
10 28	3 53.24	+32 1.3	2.220	3.119	9.2	20.3
11 7	3 44.71	+31 58.3	2.191	3.140	6.2	20.2
11 17	3 35.25	+31 41.2	2.189	3.161	4.0	20.1
11 27	3 25.91	+31 11.7	2.217	3.182	4.4	20.1
12 7	3 17.66	+30 33.8	2.274	3.203	6.9	20.3
12 17	3 11.27	+29 52.5	2.358	3.224	9.7	20.5
12 27	3 7.20	+29 12.7	2.466	3.245	12.2	20.7

182767 2001 XZ_{209} 11 18.1 354°.34 3°.1/16.3 18

10 18	3 56.47	+12 57.6	1.829	2.702	12.4	19.8
10 28	3 50.96	+12 10.8	1.766	2.701	8.8	19.6
11 7	3 43.58	+11 22.7	1.728	2.700	5.1	19.4
11 17	3 35.15	+10 37.6	1.717	2.699	3.1	19.2
11 27	3 26.71	+10 0.2	1.735	2.699	5.6	19.4
12 7	3 19.29	+ 9 34.2	1.780	2.698	9.3	19.6
12 17	3 13.69	+ 9 22.3	1.850	2.698	12.8	19.8
12 27	3 10.46	+ 9 25.0	1.941	2.698	15.7	20.1

486834 2014 JV_{43} 11 18.1 87°.86 3°.0/16.7 18

10 18	4 0.10	+10 57.8	1.876	2.742	12.5	20.6
10 28	3 53.41	+10 47.6	1.822	2.752	8.9	20.4
11 7	3 44.85	+10 39.4	1.792	2.763	5.2	20.2
11 17	3 35.27	+10 35.8	1.791	2.773	3.0	20.1
11 27	3 25.75	+10 39.0	1.818	2.782	5.3	20.3
12 7	3 17.32	+10 51.1	1.874	2.792	8.9	20.5
12 17	3 10.79	+11 12.8	1.955	2.802	12.3	20.7
12 27	3 6.67	+11 44.2	2.058	2.812	15.1	20.9

468678 2009 KF_{15} 11 18.1 141°.35 2°.5/16.8 16

10 18	4 3.11	+14 28.0	1.657	2.523	13.8	22.0
10 28	3 55.71	+13 50.4	1.602	2.534	9.8	21.8
11 7	3 46.13	+13 10.5	1.572	2.544	5.5	21.6
11 17	3 35.40	+12 31.9	1.569	2.554	2.5	21.4
11 27	3 24.79	+11 59.2	1.596	2.563	5.5	21.6
12 7	3 15.51	+11 36.5	1.650	2.571	9.7	21.9
12 17	3 8.46	+11 26.6	1.730	2.579	13.5	22.1
12 27	3 4.18	+11 30.5	1.830	2.586	16.6	22.4

129649 1998 MM_4 11 18.1 136°.62 4°.5/15.1 18

10 18	3 58.96	+ 6 47.1	2.257	3.115	11.0	20.7
10 28	3 52.27	+ 5 49.7	2.208	3.130	8.1	20.6
11 7	3 44.11	+ 4 56.4	2.186	3.144	5.5	20.4
11 17	3 35.20	+ 4 11.3	2.192	3.158	4.6	20.4
11 27	3 26.42	+ 3 38.2	2.229	3.171	6.3	20.5
12 7	3 18.58	+ 3 19.6	2.293	3.183	9.0	20.7
12 17	3 12.32	+ 3 16.2	2.384	3.195	11.6	20.9
12 27	3 8.07	+ 3 27.5	2.496	3.205	13.8	21.1

98342 2000 SD_{299} 11 18.1 20°.36 1°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.85	+24 36.3	1.172	2.048	17.6	19.3
10 28	3 55.01	+24 14.4	1.116	2.051	12.8	19.1
11 7	3 46.10	+23 36.6	1.081	2.053	7.3	18.8
11 17	3 35.41	+22 44.8	1.069	2.057	1.9	18.4
11 27	3 24.77	+21 44.8	1.083	2.061	5.2	18.7
12 7	3 15.90	+20 45.3	1.122	2.065	10.8	19.0
12 17	3 10.03	+19 54.5	1.184	2.070	15.7	19.3
12 27	3 7.78	+19 18.3	1.264	2.075	19.8	19.6

310387 1997 WT_{11} 11 18.1 31°.42 0°.4/17.9 18

10 18	3 57.53	+20 43.4	1.614	2.484	13.9	20.5
10 28	3 51.90	+20 3.7	1.556	2.491	9.8	20.3
11 7	3 44.14	+19 15.2	1.523	2.497	5.3	20.0
11 17	3 35.22	+18 21.1	1.516	2.504	0.6	19.7
11 27	3 26.38	+17 26.7	1.537	2.512	4.4	20.0
12 7	3 18.80	+16 37.8	1.585	2.520	8.9	20.3
12 17	3 13.36	+15 59.1	1.658	2.528	12.9	20.6
12 27	3 10.61	+15 33.9	1.752	2.537	16.2	20.8

347526 1999 TT_{289} 11 18.1 25°.62 0°.3/18.2 18

10 18	4 0.18	+19 15.8	1.145	2.031	17.2	19.6
10 28	3 54.34	+19 34.8	1.104	2.045	12.2	19.4
11 7	3 45.64	+19 47.2	1.085	2.060	6.6	19.1
11 17	3 35.37	+19 53.4	1.089	2.077	0.8	18.8
11 27	3 25.27	+19 55.9	1.118	2.095	5.1	19.2
12 7	3 16.96	+19 58.8	1.172	2.114	10.5	19.5
12 17	3 11.54	+20 6.0	1.248	2.134	15.1	19.9
12 27	3 9.57	+20 20.4	1.344	2.155	18.8	20.2

186458 2002 SQ_{59} 11 18.1 14°.25 2°.1/17.5 18

10 18	4 2.28	+14 7.4	1.208	2.092	16.7	19.4
10 28	3 55.89	+14 18.3	1.154	2.093	11.9	19.1
11 7	3 46.56	+14 29.4	1.120	2.096	6.5	18.9
11 17	3 35.47	+14 42.4	1.112	2.099	2.1	18.6
11 27	3 24.32	+14 59.5	1.129	2.103	6.0	18.8
12 7	3 14.78	+15 22.9	1.171	2.107	11.3	19.2
12 17	3 8.07	+15 54.4	1.236	2.112	16.0	19.5
12 27	3 4.88	+16 35.1	1.320	2.117	19.8	19.7

22280 Mandragora 11 18.1 224°.60 0°.2/18.2 18

10 18	3 56.84	+21 0.0	2.695	3.544	9.7	19.4
10 28	3 50.87	+20 42.5	2.611	3.535	6.9	19.2
11 7	3 43.45	+20 19.2	2.554	3.525	3.8	19.0
11 17	3 35.17	+19 51.2	2.527	3.515	0.4	18.7
11 27	3 26.81	+19 20.9	2.530	3.505	3.0	18.9
12 7	3 19.14	+18 51.2	2.564	3.494	6.3	19.1
12 17	3 12.80	+18 25.2	2.626	3.482	9.2	19.3
12 27	3 8.29	+18 5.4	2.712	3.471	11.7	19.5

64416 2001 UU_{177} 11 18.1 145°.58 1°.1/18.6 18

10 18	4 3.00	+22 21.8	1.737	2.593	13.8	19.6
10 28	3 55.80	+22 27.9	1.673	2.598	9.9	19.3
11 7	3 46.30	+22 25.5	1.633	2.604	5.6	19.1
11 17	3 35.46	+22 14.7	1.621	2.608	1.3	18.8
11 27	3 24.60	+21 57.9	1.637	2.613	4.1	19.0
12 7	3 14.98	+21 38.9	1.682	2.617	8.5	19.3
12 17	3 7.61	+21 22.3	1.753	2.621	12.4	19.6
12 27	3 3.08	+21 12.1	1.846	2.624	15.7	19.8

266590 2008 HE_{65} 11 18.1 65°.98 1°.4/17.3 18

10 18	3 57.56	+16 10.4	2.006	2.872	11.8	20.5
10 28	3 51.58	+15 49.5	1.948	2.881	8.3	20.3
11 7	3 43.87	+15 25.8	1.917	2.890	4.5	20.1
11 17	3 35.22	+15 1.6	1.913	2.900	1.4	19.9
11 27	3 26.63	+14 40.0	1.938	2.909	4.2	20.1
12 7	3 19.04	+14 24.1	1.992	2.919	7.9	20.4
12 17	3 13.19	+14 16.4	2.072	2.928	11.3	20.6
12 27	3 9.59	+14 18.4	2.174	2.938	14.1	20.8

27363 Alvanclark 11 18.1 91°.38 1°.1/17.4 18

10 18	3 58.00	+18 13.4	1.873	2.739	12.5	18.3
10 28	3 52.03	+17 35.2	1.811	2.743	8.8	18.1
11 7	3 44.17	+16 51.3	1.773	2.747	4.7	17.8
11 17	3 35.26	+16 4.8	1.764	2.752	1.1	17.6
11 27	3 26.39	+15 19.9	1.783	2.756	4.4	17.8
12 7	3 18.60	+14 41.4	1.831	2.760	8.4	18.1
12 17	3 12.70	+14 12.8	1.904	2.764	12.0	18.3
12 27	3 9.19	+13 56.4	2.000	2.768	15.0	18.5

16192 Laird 11 18.1 54°.70 1°.8/17.4 18

10 18	4 3.66	+16 44.3	1.137	2.020	17.5	18.2
10 28	3 56.53	+16 21.3	1.106	2.046	12.3	18.0
11 7	3 46.66	+15 53.9	1.096	2.072	6.6	17.8
11 17	3 35.50	+15 25.8	1.111	2.098	1.8	17.6
11 27	3 24.79	+15 2.2	1.151	2.125	5.9	17.9
12 7	3 16.07	+14 47.7	1.217	2.152	11.0	18.3
12 17	3 10.30	+14 45.5	1.305	2.179	15.4	18.6
12 27	3 7.92	+14 56.6	1.412	2.206	18.9	18.9

281814 2009 WM_{203} 11 18.1 297°.12 2°.1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.24	+29 21.9	2.271	3.105	11.8	21.2
10 28	3 52.29	+28 30.3	2.161	3.072	8.8	20.9
11 7	3 44.41	+27 22.1	2.076	3.038	5.5	20.6
11 17	3 35.31	+25 58.3	2.020	3.004	2.3	20.4
11 27	3 26.00	+24 22.7	1.995	2.970	3.7	20.4
12 7	3 17.52	+22 41.7	2.001	2.935	7.4	20.6
12 17	3 10.74	+21 2.8	2.034	2.900	11.0	20.7
12 27	3 6.28	+19 32.8	2.092	2.866	14.3	20.9

317785 2003 SY_{161} 11 18.1 112°.97 3°.4/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.98	+30 9.1	2.399	3.225	11.5	20.2
10 28	3 53.31	+30 31.2	2.330	3.232	8.7	20.1
11 7	3 44.84	+30 41.9	2.287	3.239	5.8	19.9
11 17	3 35.35	+30 40.1	2.272	3.247	3.6	19.8
11 27	3 25.80	+30 26.8	2.287	3.254	4.2	19.8
12 7	3 17.18	+30 4.9	2.331	3.260	6.8	20.0
12 17	3 10.28	+29 38.5	2.403	3.267	9.6	20.2
12 27	3 5.63	+29 12.3	2.498	3.274	12.1	20.4

431214 2006 SU_{220} 11 18.1 69°.26 3°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.77	+26 24.1	1.281	2.142	17.4	21.1
10 28	3 58.18	+26 39.8	1.238	2.163	12.8	20.9
11 7	3 47.67	+26 39.9	1.216	2.183	7.7	20.7
11 17	3 35.62	+26 23.8	1.220	2.204	3.4	20.5
11 27	3 23.84	+25 54.7	1.250	2.224	5.3	20.7
12 7	3 13.99	+25 19.3	1.306	2.245	10.0	21.0
12 17	3 7.17	+24 44.9	1.385	2.265	14.3	21.3
12 27	3 3.92	+24 17.7	1.485	2.285	17.8	21.6

227618 2006 BZ_{13} 11 18.1 179°.62 0°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.26	+21 25.6	2.304	3.158	10.9	21.5
10 28	3 51.32	+21 8.8	2.233	3.159	7.8	21.3
11 7	3 43.74	+20 45.2	2.187	3.159	4.3	21.1
11 17	3 35.24	+20 16.4	2.170	3.159	0.6	20.8
11 27	3 26.72	+19 44.9	2.184	3.159	3.3	21.0
12 7	3 19.05	+19 14.3	2.227	3.159	6.9	21.2
12 17	3 12.96	+18 47.9	2.296	3.158	10.1	21.5
12 27	3 8.95	+18 28.7	2.390	3.158	12.8	21.6

58233 1993 FN_{50} 11 18.1 94°.63 3°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.57	+14 30.8	1.360	2.235	15.7	19.6
10 28	3 56.18	+13 27.0	1.320	2.256	11.1	19.4
11 7	3 46.41	+12 20.5	1.303	2.277	6.2	19.1
11 17	3 35.49	+11 17.6	1.313	2.297	3.3	19.0
11 27	3 24.92	+10 24.9	1.351	2.316	6.6	19.3
12 7	3 16.04	+ 9 47.9	1.414	2.336	11.0	19.6
12 17	3 9.74	+ 9 29.0	1.502	2.355	15.0	19.9
12 27	3 6.49	+ 9 28.7	1.608	2.373	18.2	20.2

392525 2011 QH_{49} 11 18.1 102°.96 2°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.92	+26 7.1	1.850	2.697	13.5	21.9
10 28	3 54.87	+26 4.9	1.793	2.711	9.9	21.7
11 7	3 45.72	+25 50.9	1.760	2.725	5.9	21.5
11 17	3 35.44	+25 25.5	1.754	2.739	2.4	21.3
11 27	3 25.26	+24 51.5	1.778	2.752	4.0	21.4
12 7	3 16.35	+24 13.6	1.830	2.765	7.9	21.7
12 17	3 9.59	+23 37.0	1.909	2.778	11.5	21.9
12 27	3 5.51	+23 6.7	2.010	2.791	14.5	22.2

521694 2015 RB_{263} 11 18.1 78°.17 3°.0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.95	+28 32.8	1.888	2.731	13.4	21.1
10 28	3 53.61	+28 31.4	1.820	2.734	10.0	20.9
11 7	3 45.12	+28 16.5	1.776	2.737	6.3	20.7
11 17	3 35.40	+27 47.7	1.758	2.739	3.2	20.5
11 27	3 25.66	+27 7.7	1.770	2.742	4.3	20.6
12 7	3 17.08	+26 21.4	1.809	2.745	7.9	20.8
12 17	3 10.59	+25 34.7	1.875	2.748	11.5	21.1
12 27	3 6.76	+24 53.1	1.963	2.751	14.6	21.3

126748 Mariegerbet 11 18.1 227°.08 0°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.93	+21 56.8	2.176	3.030	11.4	20.1
10 28	3 51.91	+21 43.5	2.102	3.027	8.2	19.9
11 7	3 44.12	+21 22.7	2.053	3.024	4.5	19.7
11 17	3 35.30	+20 55.8	2.033	3.021	0.8	19.4
11 27	3 26.42	+20 25.3	2.043	3.018	3.5	19.6
12 7	3 18.44	+19 55.0	2.081	3.014	7.2	19.8
12 17	3 12.13	+19 28.5	2.147	3.011	10.6	20.0
12 27	3 8.05	+19 9.2	2.235	3.007	13.5	20.2

231186 2005 UH_{273} 11 18.1 327°.62 0°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.17	+18 40.7	1.328	2.205	15.9	20.2
10 28	3 55.23	+18 59.2	1.257	2.194	11.4	19.9
11 7	3 46.34	+19 13.0	1.209	2.184	6.3	19.6
11 17	3 35.55	+19 22.3	1.186	2.174	0.6	19.2
11 27	3 24.43	+19 28.7	1.189	2.165	5.1	19.5
12 7	3 14.65	+19 35.5	1.217	2.157	10.5	19.8
12 17	3 7.53	+19 46.4	1.269	2.149	15.4	20.0
12 27	3 3.88	+20 4.8	1.340	2.142	19.4	20.3

244106 2001 UL_{189} 11 18.1 90°.01 4°.9/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.69	+35 14.2	1.978	2.794	14.0	19.9
10 28	3 54.74	+35 10.3	1.918	2.809	10.9	19.7
11 7	3 45.65	+34 47.5	1.881	2.823	7.7	19.6
11 17	3 35.45	+34 5.4	1.871	2.837	5.2	19.5
11 27	3 25.40	+33 6.6	1.889	2.851	5.4	19.5
12 7	3 16.69	+31 57.0	1.936	2.865	7.9	19.7
12 17	3 10.17	+30 43.9	2.009	2.879	11.0	19.9
12 27	3 6.38	+29 34.5	2.105	2.892	13.7	20.1

139281 2001 JQ_5 11 18.1 255°.30 2°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.14	+14 48.9	1.511	2.384	14.6	20.0
10 28	3 55.51	+14 34.9	1.441	2.376	10.4	19.7
11 7	3 46.32	+14 18.7	1.394	2.368	5.8	19.5
11 17	3 35.55	+14 2.9	1.374	2.360	2.1	19.2
11 27	3 24.60	+13 51.2	1.381	2.352	5.6	19.4
12 7	3 14.88	+13 47.2	1.415	2.344	10.4	19.7
12 17	3 7.51	+13 53.7	1.473	2.336	14.7	19.9
12 27	3 3.22	+14 12.3	1.552	2.327	18.3	20.1

120150 2003 GN_{54} 11 18.1 354°.26 1°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.67	+16 23.3	1.947	2.814	12.0	20.0
10 28	3 51.81	+15 59.1	1.881	2.814	8.5	19.8
11 7	3 44.09	+15 31.4	1.840	2.814	4.6	19.6
11 17	3 35.32	+15 2.8	1.826	2.813	1.5	19.3
11 27	3 26.52	+14 36.6	1.842	2.813	4.4	19.6
12 7	3 18.70	+14 16.5	1.886	2.813	8.3	19.8
12 17	3 12.66	+14 5.1	1.955	2.813	11.8	20.0
12 27	3 8.96	+14 4.4	2.047	2.813	14.8	20.2

384605 2010 UC_{76} 11 18.1 25°.18 4°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.95	+27 55.4	0.943	1.826	20.2	21.0
10 28	3 54.82	+28 1.9	0.901	1.836	15.0	20.7
11 7	3 46.15	+27 46.9	0.879	1.848	9.3	20.5
11 17	3 35.53	+27 10.4	0.877	1.861	4.4	20.3
11 27	3 25.12	+26 17.7	0.899	1.876	6.2	20.4
12 7	3 16.93	+25 19.0	0.944	1.892	11.5	20.8
12 17	3 12.22	+24 24.5	1.009	1.908	16.5	21.1
12 27	3 11.53	+23 41.9	1.092	1.926	20.7	21.4

518710 2009 BV_{175} 11 18.1 303°.80 6°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.45	+ 4 45.5	1.637	2.511	13.5	21.3
10 28	3 51.24	+ 3 24.4	1.569	2.496	10.4	21.0
11 7	3 43.92	+ 2 8.2	1.525	2.481	7.7	20.8
11 17	3 35.33	+ 1 4.4	1.507	2.466	7.1	20.8
11 27	3 26.59	+ 0 19.9	1.516	2.452	9.2	20.9
12 7	3 18.87	− 0 1.1	1.549	2.438	12.6	21.0
12 17	3 13.10	+ 0 2.4	1.605	2.424	15.9	21.2
12 27	3 9.90	+ 0 28.7	1.679	2.411	18.8	21.4

125340 2001 VE_{52} 11 18.1 196°.33 0°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.86	+23 40.5	1.732	2.589	13.8	19.3
10 28	3 54.33	+23 7.4	1.662	2.588	9.9	19.1
11 7	3 45.55	+22 22.4	1.616	2.587	5.6	18.9
11 17	3 35.49	+21 27.6	1.597	2.585	1.1	18.5
11 27	3 25.41	+20 27.6	1.607	2.583	4.1	18.8
12 7	3 16.55	+19 28.6	1.646	2.580	8.6	19.0
12 17	3 9.88	+18 36.6	1.710	2.578	12.7	19.3
12 27	3 5.97	+17 56.4	1.796	2.575	16.0	19.5

260157 2004 RJ_{42} 11 18.1 5°.59 3°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.76	+26 36.4	1.791	2.642	13.7	20.1
10 28	3 53.65	+27 6.7	1.724	2.643	10.2	19.8
11 7	3 45.25	+27 26.0	1.680	2.643	6.3	19.6
11 17	3 35.46	+27 33.2	1.663	2.645	3.2	19.4
11 27	3 25.54	+27 29.0	1.674	2.646	4.6	19.5
12 7	3 16.75	+27 16.8	1.713	2.649	8.3	19.8
12 17	3 10.09	+27 1.2	1.777	2.652	11.9	20.0
12 27	3 6.22	+26 47.3	1.863	2.655	15.1	20.2

249877 2001 QG_{227} 11 18.1 132°.02 3°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.98	+31 29.4	2.223	3.047	12.4	20.9
10 28	3 54.04	+31 20.5	2.157	3.058	9.4	20.7
11 7	3 45.25	+30 57.0	2.116	3.068	6.2	20.5
11 17	3 35.46	+30 19.1	2.103	3.078	3.6	20.4
11 27	3 25.75	+29 29.1	2.120	3.088	4.2	20.5
12 7	3 17.15	+28 32.0	2.166	3.097	7.1	20.7
12 17	3 10.45	+27 33.5	2.239	3.106	10.1	20.9
12 27	3 6.15	+26 39.0	2.337	3.115	12.8	21.1

218432 2004 RK_{179} 11 18.1 339°.04 5°.6/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.30	+34 59.7	1.853	2.677	14.5	19.8
10 28	3 53.45	+35 17.5	1.777	2.671	11.4	19.6
11 7	3 45.19	+35 16.9	1.724	2.666	8.3	19.4
11 17	3 35.47	+34 55.7	1.696	2.660	5.9	19.2
11 27	3 25.60	+34 15.3	1.695	2.655	6.1	19.2
12 7	3 16.92	+33 20.4	1.721	2.651	8.7	19.4
12 17	3 10.48	+32 18.4	1.773	2.647	12.0	19.6
12 27	3 6.96	+31 16.8	1.847	2.644	15.0	19.8

236613 2006 JW_{44} 11 18.1 51°.78 2°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.42	+15 17.6	1.662	2.534	13.5	20.1
10 28	3 53.27	+14 49.0	1.600	2.535	9.6	19.9
11 7	3 44.97	+14 17.4	1.563	2.537	5.3	19.6
11 17	3 35.45	+13 46.1	1.552	2.538	2.1	19.4
11 27	3 25.91	+13 19.3	1.570	2.540	5.2	19.6
12 7	3 17.55	+13 0.9	1.615	2.542	9.5	19.9
12 17	3 11.28	+12 53.7	1.684	2.543	13.3	20.1
12 27	3 7.69	+12 59.3	1.775	2.545	16.5	20.4

307971 2004 LG_{6} 11 18.1 262°.67 4°.4/15.2 18

10 18	3 59.77	+ 5 10.1	2.629	3.478	9.9	20.7
10 28	3 53.08	+ 4 36.6	2.530	3.446	7.5	20.5
11 7	3 44.78	+ 4 6.8	2.458	3.413	5.2	20.4
11 17	3 35.44	+ 3 44.1	2.416	3.380	4.4	20.2
11 27	3 25.84	+ 3 31.6	2.405	3.345	6.0	20.3
12 7	3 16.80	+ 3 31.4	2.423	3.310	8.7	20.4
12 17	3 9.04	+ 3 44.7	2.468	3.273	11.4	20.5
12 27	3 3.13	+ 4 11.2	2.536	3.236	13.8	20.7

419248 2009 VT_{61} 11 18.1 91°.19 0°.4/18.4 18

10 18	3 56.87	+24 3.7	2.282	3.132	11.2	20.8
10 28	3 50.97	+23 6.9	2.218	3.142	8.0	20.6
11 7	3 43.53	+22 0.1	2.181	3.151	4.4	20.4
11 17	3 35.30	+20 46.4	2.172	3.160	0.7	20.1
11 27	3 27.20	+19 30.2	2.195	3.170	3.3	20.3
12 7	3 20.06	+18 16.9	2.247	3.179	6.9	20.6
12 17	3 14.53	+17 11.3	2.327	3.188	10.0	20.8
12 27	3 11.07	+16 17.1	2.431	3.197	12.7	21.0

415501 2014 PO_{7} 11 18.1 43°.14 3°.9/20.6 17

10 18	3 59.37	+31 56.8	1.996	2.826	13.3	21.4
10 28	3 53.18	+31 53.7	1.925	2.828	10.2	21.2
11 7	3 44.91	+31 34.8	1.878	2.831	6.8	21.0
11 17	3 35.46	+30 59.4	1.858	2.833	4.2	20.9
11 27	3 25.99	+30 10.2	1.867	2.835	4.7	20.9
12 7	3 17.66	+29 12.2	1.904	2.838	7.7	21.1
12 17	3 11.37	+28 11.9	1.967	2.840	11.0	21.3
12 27	3 7.67	+27 15.4	2.053	2.843	13.9	21.5

513151 2003 QL_{37} 11 18.1 41°.97 15°.5/12.7 18

10 18	3 59.32	−14 29.3	1.269	2.104	19.1	19.6
10 28	3 53.11	−16 6.5	1.263	2.130	17.0	19.5
11 7	3 44.73	−17 8.9	1.275	2.157	15.7	19.6
11 17	3 35.41	−17 29.1	1.308	2.184	15.6	19.6
11 27	3 26.59	−17 5.3	1.361	2.212	16.6	19.8
12 7	3 19.45	−16 1.9	1.434	2.240	18.2	20.0
12 17	3 14.75	−14 26.9	1.524	2.269	19.9	20.2
12 27	3 12.88	−12 29.5	1.629	2.298	21.5	20.4

215180 2000 HX_{2} 11 18.1 268°.25 2°.1/16.9 18

10 18	3 58.27	+14 39.4	1.927	2.795	12.1	21.0
10 28	3 52.35	+14 10.2	1.851	2.784	8.6	20.8
11 7	3 44.48	+13 38.4	1.800	2.773	4.8	20.5
11 17	3 35.42	+13 7.1	1.776	2.762	2.1	20.3
11 27	3 26.23	+12 39.9	1.782	2.750	4.9	20.5
12 7	3 17.97	+12 20.5	1.816	2.739	8.8	20.7
12 17	3 11.49	+12 11.7	1.875	2.728	12.5	20.9
12 27	3 7.41	+12 15.1	1.956	2.716	15.5	21.1

510547 2012 KB_{13} 11 18.1 84°.82 1°.8/17.3 18

10 18	4 4.09	+16 18.9	1.452	2.322	15.2	21.5
10 28	3 56.51	+15 51.2	1.412	2.346	10.7	21.3
11 7	3 46.62	+15 19.9	1.396	2.370	5.7	21.1
11 17	3 35.62	+14 48.1	1.406	2.393	1.8	20.9
11 27	3 24.93	+14 20.4	1.445	2.416	5.3	21.2
12 7	3 15.86	+14 1.1	1.510	2.439	9.8	21.5
12 17	3 9.30	+13 53.1	1.601	2.461	13.8	21.8
12 27	3 5.73	+13 57.7	1.711	2.483	17.0	22.0

411402 2010 VY_{115} 11 18.1 119°.59 2°.2/19.7 18

10 18	3 58.28	+28 25.4	2.112	2.952	12.3	21.1
10 28	3 52.22	+27 57.3	2.041	2.955	9.1	20.9
11 7	3 44.31	+27 15.7	1.995	2.957	5.6	20.7
11 17	3 35.40	+26 21.9	1.977	2.960	2.5	20.5
11 27	3 26.52	+25 19.3	1.988	2.962	3.7	20.6
12 7	3 18.70	+24 13.4	2.028	2.964	7.2	20.8
12 17	3 12.70	+23 9.9	2.096	2.966	10.6	21.0
12 27	3 9.05	+22 13.9	2.187	2.969	13.5	21.2

22862 Janinedavis 11 18.1 70°.78 0°.8/18.5 18 R

10 18	4 2.74	+22 33.2	1.321	2.191	16.4	19.2
10 28	3 56.03	+22 17.4	1.269	2.201	11.8	18.9
11 7	3 46.59	+21 50.0	1.239	2.212	6.5	18.7
11 17	3 35.63	+21 12.8	1.234	2.222	1.2	18.4
11 27	3 24.81	+20 30.6	1.257	2.233	4.8	18.7
12 7	3 15.66	+19 49.9	1.305	2.244	10.0	19.0
12 17	3 9.26	+19 16.8	1.377	2.255	14.5	19.3
12 27	3 6.20	+18 55.8	1.469	2.265	18.2	19.6

281660 2008 VQ_{13} 11 18.1 77°.99 2°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.71	+13 42.1	1.606	2.476	14.0	20.0
10 28	3 54.65	+13 5.4	1.567	2.500	9.9	19.8
11 7	3 45.58	+12 28.0	1.552	2.524	5.5	19.6
11 17	3 35.54	+11 53.7	1.564	2.548	2.8	19.5
11 27	3 25.77	+11 26.8	1.605	2.572	5.6	19.7
12 7	3 17.42	+11 10.8	1.674	2.596	9.6	20.0
12 17	3 11.28	+11 7.5	1.767	2.619	13.1	20.3
12 27	3 7.80	+11 17.4	1.881	2.642	16.1	20.6

40807 1999 TQ_{48} 11 18.1 151°.74 0°.7/18.5 18

10 18	4 1.49	+22 1.4	1.957	2.810	12.6	19.0
10 28	3 54.57	+21 56.7	1.891	2.816	9.0	18.8
11 7	3 45.63	+21 44.1	1.851	2.821	5.0	18.6
11 17	3 35.56	+21 24.5	1.838	2.826	1.0	18.3
11 27	3 25.48	+21 0.5	1.856	2.831	3.8	18.6
12 7	3 16.49	+20 35.7	1.902	2.835	7.8	18.8
12 17	3 9.47	+20 14.3	1.974	2.839	11.4	19.0
12 27	3 4.97	+19 59.9	2.070	2.842	14.4	19.3

414315 2008 RP_{115} 11 18.1 353°.70 2°.5/16.6 17

10 18	3 55.00	+14 18.0	1.902	2.775	12.0	21.0
10 28	3 49.97	+13 35.7	1.836	2.772	8.5	20.8
11 7	3 43.15	+12 51.2	1.796	2.770	4.8	20.6
11 17	3 35.31	+12 8.1	1.783	2.768	2.5	20.4
11 27	3 27.44	+11 30.9	1.799	2.766	5.1	20.6
12 7	3 20.52	+11 3.3	1.842	2.765	8.8	20.8
12 17	3 15.32	+10 48.1	1.910	2.764	12.2	21.0
12 27	3 12.38	+10 46.5	2.000	2.764	15.1	21.3

283794 2003 SC_{23} 11 18.1 122°.29 0°.5/17.8 18

10 18	4 0.86	+19 49.8	2.083	2.938	11.9	20.9
10 28	3 53.82	+19 12.6	2.029	2.956	8.4	20.7
11 7	3 45.09	+18 28.9	2.001	2.973	4.5	20.5
11 17	3 35.50	+17 41.4	2.001	2.990	0.6	20.2
11 27	3 26.06	+16 54.1	2.033	3.006	3.8	20.5
12 7	3 17.74	+16 11.3	2.094	3.021	7.6	20.7
12 17	3 11.24	+15 36.6	2.181	3.036	10.9	21.0
12 27	3 7.03	+15 12.6	2.292	3.050	13.6	21.2

513904 2013 YG_{26} 11 18.1 21°.25 4°.2/16.9 18

10 18	3 59.30	+11 5.0	0.976	1.874	18.3	19.6
10 28	3 53.99	+10 55.3	0.938	1.883	13.1	19.3
11 7	3 45.61	+10 50.0	0.919	1.895	7.7	19.1
11 17	3 35.56	+10 53.0	0.924	1.907	4.2	18.9
11 27	3 25.70	+11 8.0	0.951	1.922	7.6	19.2
12 7	3 17.73	+11 36.9	1.002	1.937	12.7	19.5
12 17	3 12.82	+12 19.3	1.073	1.954	17.4	19.8
12 27	3 11.52	+13 14.0	1.161	1.972	21.2	20.1

148999 2001 YF_{128} 11 18.1 324°.91 0°.5/18.3 18

10 18	4 0.58	+19 30.8	1.737	2.601	13.4	19.8
10 28	3 54.32	+19 56.8	1.661	2.591	9.6	19.5
11 7	3 45.71	+20 18.5	1.609	2.581	5.3	19.2
11 17	3 35.59	+20 35.6	1.584	2.572	0.8	18.9
11 27	3 25.21	+20 49.0	1.588	2.563	4.2	19.1
12 7	3 15.85	+21 0.7	1.619	2.555	8.7	19.4
12 17	3 8.58	+21 13.6	1.676	2.547	12.7	19.6
12 27	3 4.12	+21 30.9	1.755	2.540	16.1	19.8

252219 2001 KF_{74} 11 18.1 210°.37 3°.3/15.8 17

10 18	3 56.05	+ 8 0.7	2.788	3.644	9.2	21.0
10 28	3 50.24	+ 7 33.9	2.715	3.639	6.7	20.9
11 7	3 43.15	+ 7 9.7	2.670	3.633	4.3	20.7
11 17	3 35.32	+ 6 50.5	2.654	3.626	3.3	20.6
11 27	3 27.45	+ 6 39.0	2.668	3.620	4.8	20.7
12 7	3 20.21	+ 6 36.7	2.712	3.613	7.3	20.9
12 17	3 14.17	+ 6 44.7	2.783	3.605	9.8	21.0
12 27	3 9.78	+ 7 2.9	2.877	3.597	11.9	21.2

290870 2005 WE_{57} 11 18.1 19°.22 0°.0/18.1 17

10 18	3 57.52	+20 23.5	1.632	2.503	13.8	21.1
10 28	3 52.01	+20 9.5	1.574	2.508	9.8	20.9
11 7	3 44.33	+19 48.1	1.540	2.514	5.3	20.7
11 17	3 35.45	+19 21.2	1.532	2.520	0.5	20.3
11 27	3 26.58	+18 52.6	1.551	2.527	4.2	20.6
12 7	3 18.93	+18 26.6	1.598	2.535	8.7	20.9
12 17	3 13.39	+18 7.3	1.669	2.543	12.6	21.2
12 27	3 10.53	+17 57.8	1.762	2.552	15.9	21.4

87796 2000 SD_{128} 11 18.1 336°.31 1°.5/17.3 18

10 18	3 57.49	+16 15.1	1.879	2.748	12.3	19.3
10 28	3 51.80	+15 53.6	1.811	2.745	8.7	19.1
11 7	3 44.18	+15 28.8	1.768	2.742	4.8	18.8
11 17	3 35.44	+15 3.0	1.752	2.739	1.5	18.6
11 27	3 26.63	+14 39.8	1.764	2.736	4.5	18.8
12 7	3 18.81	+14 22.7	1.805	2.733	8.5	19.1
12 17	3 12.82	+14 14.4	1.871	2.731	12.1	19.3
12 27	3 9.23	+14 16.8	1.959	2.729	15.2	19.5

418993 2009 MS_9 11 18.1 0°.37 1°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 40.15	− 4 49.4	16.669	17.493	1.9	22.4
10 28	3 38.45	− 5 9.8	16.649	17.528	1.6	22.3
11 7	3 36.61	− 5 28.4	16.658	17.563	1.4	22.3
11 17	3 34.68	− 5 44.6	16.695	17.598	1.3	22.3
11 27	3 32.75	− 5 58.1	16.761	17.633	1.5	22.4
12 7	3 30.91	− 6 8.6	16.855	17.668	1.8	22.4
12 17	3 29.23	− 6 16.1	16.975	17.703	2.2	22.4
12 27	3 27.77	− 6 20.5	17.117	17.738	2.5	22.5

262266 2006 SS_{345} 11 18.1 285°.90 1°.3/18.7 18

10 18	4 1.35	+23 42.9	1.406	2.273	15.8	21.1
10 28	3 55.29	+23 27.4	1.332	2.263	11.5	20.8
11 7	3 46.38	+22 58.8	1.280	2.252	6.6	20.5
11 17	3 35.69	+22 18.0	1.253	2.241	1.6	20.1
11 27	3 24.76	+21 29.3	1.254	2.230	4.8	20.3
12 7	3 15.20	+20 39.4	1.280	2.220	10.1	20.6
12 17	3 8.26	+19 55.5	1.331	2.209	14.9	20.9
12 27	3 4.68	+19 23.3	1.401	2.199	18.8	21.1

49532 1999 CJ_{54} 11 18.1 344°.09 3°.9/15.6 18

10 18	3 54.97	+ 8 39.7	2.222	3.089	10.7	18.5
10 28	3 49.72	+ 7 55.2	2.158	3.087	7.8	18.3
11 7	3 42.95	+ 7 13.2	2.121	3.085	5.1	18.1
11 17	3 35.33	+ 6 37.3	2.111	3.084	4.0	18.0
11 27	3 27.69	+ 6 11.3	2.130	3.083	5.8	18.1
12 7	3 20.85	+ 5 57.7	2.177	3.081	8.7	18.3
12 17	3 15.49	+ 5 57.8	2.250	3.080	11.5	18.5
12 27	3 12.07	+ 6 11.5	2.344	3.079	14.0	18.7

486613 2013 KG_{16} 11 18.1 119°.77 0°.5/17.9 18

10 18	3 59.46	+17 35.6	2.205	3.063	11.2	21.0
10 28	3 52.94	+17 38.8	2.141	3.069	7.9	20.8
11 7	3 44.71	+17 38.7	2.102	3.075	4.3	20.6
11 17	3 35.51	+17 36.4	2.092	3.081	0.6	20.4
11 27	3 26.29	+17 33.7	2.113	3.086	3.6	20.6
12 7	3 17.97	+17 32.8	2.162	3.092	7.2	20.9
12 17	3 11.31	+17 35.9	2.239	3.097	10.5	21.1
12 27	3 6.84	+17 45.1	2.339	3.102	13.2	21.3

363666 2004 TE_{48} 11 18.1 77°.60 2°.3/16.5 18

10 18	3 56.24	+14 47.5	2.099	2.966	11.3	20.8
10 28	3 50.62	+13 52.3	2.041	2.974	8.0	20.6
11 7	3 43.41	+12 54.5	2.010	2.982	4.5	20.4
11 17	3 35.37	+11 58.0	2.007	2.990	2.4	20.3
11 27	3 27.40	+11 7.3	2.033	2.999	4.8	20.4
12 7	3 20.38	+10 26.5	2.089	3.007	8.2	20.7
12 17	3 14.98	+ 9 58.2	2.170	3.015	11.3	20.9
12 27	3 11.66	+ 9 43.7	2.273	3.023	13.9	21.1

359563 2010 TN_{91} 11 18.1 123°.98 0°.5/18.4 18

10 18	3 59.00	+21 34.5	2.014	2.871	12.1	21.4
10 28	3 52.79	+21 25.5	1.947	2.873	8.7	21.2
11 7	3 44.70	+21 9.1	1.904	2.876	4.8	21.0
11 17	3 35.52	+20 46.6	1.889	2.878	0.8	20.7
11 27	3 26.31	+20 20.6	1.904	2.880	3.6	20.9
12 7	3 18.11	+19 54.9	1.948	2.882	7.6	21.2
12 17	3 11.72	+19 33.2	2.018	2.884	11.1	21.4
12 27	3 7.72	+19 18.7	2.110	2.886	14.1	21.6

9276 Timgrove 11 18.1 155°.11 0°.3/18.3 18

10 18	4 1.68	+22 24.5	1.637	2.498	14.2	17.7
10 28	3 54.97	+21 48.6	1.573	2.501	10.2	17.4
11 7	3 45.95	+21 1.6	1.533	2.505	5.6	17.2
11 17	3 35.65	+20 6.3	1.520	2.508	0.7	16.8
11 27	3 25.39	+19 7.6	1.536	2.511	4.3	17.1
12 7	3 16.45	+18 11.9	1.579	2.514	9.0	17.4
12 17	3 9.80	+17 24.9	1.648	2.516	13.1	17.7
12 27	3 6.01	+16 50.9	1.739	2.518	16.5	17.9

154348 2002 XB_{14} 11 18.1 327°.93 4°.0/16.3 18

10 18	3 56.57	+13 46.7	1.189	2.081	16.2	19.0
10 28	3 52.08	+12 47.9	1.120	2.064	11.7	18.7
11 7	3 44.72	+11 44.6	1.073	2.048	6.8	18.4
11 17	3 35.55	+10 43.3	1.050	2.033	4.1	18.2
11 27	3 26.11	+ 9 52.3	1.051	2.018	7.6	18.4
12 7	3 18.01	+ 9 18.7	1.076	2.005	12.8	18.6
12 17	3 12.53	+ 9 6.6	1.122	1.993	17.6	18.9
12 27	3 10.46	+ 9 16.9	1.185	1.981	21.7	19.1

211780 2004 BA_{132} 11 18.1 357°.16 3°.7/16.3 18

10 18	3 57.99	+11 23.2	1.649	2.525	13.4	20.4
10 28	3 52.29	+10 43.8	1.589	2.524	9.6	20.1
11 7	3 44.50	+10 5.0	1.552	2.523	5.8	19.9
11 17	3 35.51	+ 9 31.3	1.542	2.522	3.7	19.8
11 27	3 26.50	+ 9 7.2	1.560	2.522	6.3	20.0
12 7	3 18.62	+ 8 56.2	1.604	2.522	10.2	20.2
12 17	3 12.75	+ 9 0.0	1.672	2.523	13.8	20.4
12 27	3 9.48	+ 9 18.8	1.760	2.523	16.9	20.6

472715 2015 FJ_{45} 11 18.1 336°.38 1°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.28	+15 57.7	1.160	2.048	16.9	20.8
10 28	3 54.83	+15 55.7	1.096	2.038	12.1	20.5
11 7	3 46.26	+15 50.8	1.053	2.029	6.7	20.2
11 17	3 35.72	+15 45.3	1.033	2.021	1.7	19.8
11 27	3 24.90	+15 42.7	1.039	2.014	6.0	20.1
12 7	3 15.57	+15 47.1	1.069	2.007	11.7	20.4
12 17	3 9.11	+16 1.7	1.120	2.002	16.8	20.6
12 27	3 6.32	+16 28.5	1.190	1.997	21.0	20.9

360641 2004 HU_7 11 18.1 279°.29 1°.2/17.5 18

10 18	3 58.98	+16 41.3	1.911	2.776	12.3	20.9
10 28	3 52.97	+16 27.5	1.830	2.762	8.8	20.6
11 7	3 44.90	+16 10.1	1.775	2.749	4.8	20.4
11 17	3 35.57	+15 51.0	1.748	2.735	1.2	20.1
11 27	3 26.04	+15 33.1	1.749	2.722	4.4	20.3
12 7	3 17.42	+15 19.9	1.779	2.708	8.6	20.5
12 17	3 10.63	+15 14.3	1.834	2.694	12.4	20.7
12 27	3 6.33	+15 18.5	1.912	2.681	15.6	20.9

76660 2000 HC_{37} 11 18.1 272°.75 6°.3/14.0 18

10 18	3 55.89	− 0 48.5	2.432	3.280	10.6	19.3
10 28	3 50.32	− 1 30.3	2.361	3.267	8.4	19.1
11 7	3 43.29	− 2 3.3	2.316	3.253	6.7	19.0
11 17	3 35.40	− 2 23.4	2.298	3.239	6.4	18.9
11 27	3 27.42	− 2 27.5	2.309	3.225	7.7	19.0
12 7	3 20.13	− 2 14.1	2.346	3.211	9.9	19.1
12 17	3 14.18	− 1 43.6	2.408	3.196	12.2	19.3
12 27	3 10.06	− 0 57.7	2.491	3.182	14.3	19.4

227834 2007 CP_{50} 11 18.1 294°.34 1°.3/18.6 18

10 18	4 1.34	+22 46.0	1.448	2.315	15.4	20.7
10 28	3 55.37	+22 46.7	1.366	2.297	11.3	20.4
11 7	3 46.51	+22 36.8	1.307	2.279	6.4	20.1
11 17	3 35.76	+22 16.5	1.273	2.261	1.6	19.7
11 27	3 24.59	+21 48.5	1.267	2.243	4.8	19.9
12 7	3 14.64	+21 17.9	1.286	2.225	10.1	20.1
12 17	3 7.21	+20 50.9	1.330	2.208	14.9	20.4
12 27	3 3.15	+20 33.0	1.393	2.191	18.9	20.6

89025 2001 TD_{101} 11 18.1 60°.10 1°.8/18.9 18

10 18	4 5.19	+25 26.0	1.064	1.939	19.1	18.5
10 28	3 57.95	+24 57.5	1.030	1.963	13.8	18.3
11 7	3 47.62	+24 11.6	1.016	1.988	7.8	18.1
11 17	3 35.82	+23 11.4	1.026	2.013	2.2	17.8
11 27	3 24.56	+22 4.3	1.061	2.038	5.3	18.1
12 7	3 15.54	+21 0.0	1.121	2.064	10.8	18.5
12 17	3 9.82	+20 6.6	1.204	2.089	15.6	18.9
12 27	3 7.80	+19 29.2	1.306	2.114	19.4	19.2

243743 2000 QL_{62} 11 18.1 357°.31 10°.6/20.0 18

10 18	3 55.09	+33 0.4	0.959	1.835	20.6	17.2
10 28	3 52.23	+35 19.6	0.902	1.822	16.8	17.0
11 7	3 45.39	+37 21.2	0.863	1.812	13.1	16.7
11 17	3 35.67	+38 53.7	0.845	1.806	10.8	16.6
11 27	3 25.22	+39 49.6	0.848	1.803	11.4	16.6
12 7	3 16.55	+40 10.3	0.870	1.804	14.5	16.8
12 17	3 11.66	+40 4.1	0.912	1.808	18.3	17.0
12 27	3 11.64	+39 42.9	0.970	1.815	21.9	17.3

132780 2002 PZ_{110} 11 18.1 338°.00 0°.6/17.7 17

10 18	3 55.09	+20 41.7	1.957	2.823	12.0	19.1
10 28	3 50.08	+19 47.1	1.884	2.816	8.5	18.9
11 7	3 43.27	+18 43.6	1.835	2.810	4.6	18.7
11 17	3 35.42	+17 34.7	1.815	2.803	0.7	18.4
11 27	3 27.53	+16 25.5	1.824	2.797	4.0	18.6
12 7	3 20.60	+15 21.7	1.861	2.792	8.1	18.8
12 17	3 15.40	+14 28.1	1.923	2.787	11.7	19.1
12 27	3 12.47	+13 48.2	2.009	2.783	14.7	19.3

326858 2003 UM_{201} 11 18.1 41°.23 3°.5/15.6 18

10 18	3 55.28	+12 59.8	1.938	2.811	11.8	20.0
10 28	3 50.01	+11 36.2	1.888	2.822	8.4	19.8
11 7	3 43.12	+10 11.1	1.863	2.833	5.0	19.6
11 17	3 35.39	+ 8 50.2	1.866	2.845	3.5	19.6
11 27	3 27.79	+ 7 39.5	1.899	2.857	5.8	19.7
12 7	3 21.21	+ 6 43.8	1.959	2.869	9.2	20.0
12 17	3 16.31	+ 6 5.6	2.045	2.881	12.3	20.2
12 27	3 13.55	+ 5 45.4	2.151	2.894	14.8	20.4

37066 2000 UJ_{49} 11 18.1 25°.51 1°.7/17.2 18

10 18	3 56.73	+16 49.0	1.706	2.580	13.1	18.6
10 28	3 51.32	+16 8.9	1.650	2.586	9.2	18.4
11 7	3 43.94	+15 24.4	1.618	2.592	5.0	18.1
11 17	3 35.49	+14 39.0	1.612	2.599	1.7	17.9
11 27	3 27.09	+13 57.6	1.635	2.607	4.8	18.2
12 7	3 19.83	+13 24.5	1.685	2.614	9.0	18.4
12 17	3 14.53	+13 3.2	1.760	2.622	12.7	18.7
12 27	3 11.72	+12 55.3	1.856	2.631	15.7	18.9

396284 2014 DD_5 11 18.1 231°.52 4°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.01	+ 9 25.7	1.887	2.754	12.4	21.4
10 28	3 52.86	+ 8 18.9	1.816	2.745	9.0	21.2
11 7	3 44.79	+ 7 12.8	1.770	2.736	5.8	21.0
11 17	3 35.59	+ 6 12.5	1.753	2.725	4.6	20.9
11 27	3 26.30	+ 5 23.9	1.764	2.715	6.9	21.0
12 7	3 17.97	+ 4 51.1	1.802	2.704	10.3	21.2
12 17	3 11.44	+ 4 36.4	1.865	2.693	13.7	21.4
12 27	3 7.31	+ 4 39.9	1.949	2.681	16.5	21.6

255551 2006 JF_{29} 11 18.1 123°.83 0°.9/17.8 15

10 18	4 5.49	+17 44.9	1.507	2.372	15.0	21.7
10 28	3 57.71	+17 35.3	1.454	2.385	10.7	21.5
11 7	3 47.46	+17 20.6	1.425	2.398	5.7	21.2
11 17	3 35.86	+17 2.6	1.422	2.410	1.0	20.9
11 27	3 24.37	+16 44.7	1.448	2.422	4.9	21.2
12 7	3 14.40	+16 31.1	1.502	2.433	9.6	21.5
12 17	3 6.95	+16 25.3	1.581	2.444	13.8	21.8
12 27	3 2.60	+16 29.8	1.680	2.454	17.2	22.1

237949 2002 RU_{36} 11 18.1 44°.74 7°.0/14.4 18

10 18	3 57.44	+ 5 49.6	1.437	2.317	14.7	19.6
10 28	3 51.82	+ 4 19.2	1.404	2.335	11.0	19.5
11 7	3 44.17	+ 2 56.7	1.394	2.353	7.9	19.3
11 17	3 35.51	+ 1 49.9	1.409	2.372	7.1	19.3
11 27	3 27.11	+ 1 5.3	1.451	2.391	9.2	19.5
12 7	3 20.08	+ 0 45.6	1.517	2.411	12.4	19.8
12 17	3 15.23	+ 0 50.4	1.605	2.431	15.6	20.0
12 27	3 12.99	+ 1 16.7	1.711	2.451	18.2	20.3

223058 2002 TA_{190} 11 18.1 38°.57 4°.9/20.4 18

10 18	4 2.52	+31 2.6	1.234	2.091	18.2	19.4
10 28	3 56.31	+31 9.9	1.182	2.100	13.9	19.2
11 7	3 46.97	+30 55.4	1.150	2.109	9.1	18.9
11 17	3 35.86	+30 18.0	1.141	2.120	5.3	18.8
11 27	3 24.87	+29 21.5	1.158	2.131	6.2	18.8
12 7	3 15.76	+28 14.8	1.201	2.142	10.4	19.1
12 17	3 9.74	+27 7.7	1.266	2.154	14.8	19.4
12 27	3 7.41	+26 9.0	1.351	2.166	18.5	19.7

289050 2004 TN_{172} 11 18.1 47°.94 4°.9/21.1 17

10 18	4 0.57	+34 7.2	2.100	2.918	13.2	20.0
10 28	3 54.12	+34 29.9	2.031	2.922	10.3	19.8
11 7	3 45.54	+34 36.8	1.984	2.926	7.4	19.7
11 17	3 35.72	+34 26.2	1.965	2.929	5.2	19.5
11 27	3 25.82	+33 59.1	1.974	2.933	5.4	19.6
12 7	3 17.02	+33 19.4	2.010	2.937	7.9	19.7
12 17	3 10.23	+32 33.0	2.073	2.941	10.8	19.9
12 27	3 6.08	+31 46.2	2.160	2.946	13.5	20.1

223810 2004 TM_{65} 11 18.1 69°.36 3°.9/16.2 18

10 18	3 58.36	+ 8 24.0	2.017	2.882	11.8	20.1
10 28	3 52.15	+ 8 1.1	1.968	2.896	8.5	20.0
11 7	3 44.30	+ 7 42.2	1.944	2.910	5.4	19.8
11 17	3 35.59	+ 7 30.1	1.949	2.924	3.9	19.7
11 27	3 26.98	+ 7 27.7	1.982	2.939	5.8	19.9
12 7	3 19.36	+ 7 36.6	2.044	2.953	8.8	20.1
12 17	3 13.45	+ 7 57.1	2.131	2.967	11.8	20.3
12 27	3 9.71	+ 8 28.8	2.239	2.982	14.3	20.5

65317 2002 JY_{103} 11 18.1 318°.74 0°.9/17.8 18

10 18	4 0.57	+18 58.2	1.242	2.124	16.5	18.9
10 28	3 54.90	+18 32.8	1.176	2.115	11.8	18.6
11 7	3 46.28	+17 58.9	1.132	2.107	6.4	18.3
11 17	3 35.82	+17 19.3	1.112	2.100	1.0	17.9
11 27	3 25.17	+16 39.5	1.117	2.093	5.6	18.2
12 7	3 15.99	+16 6.1	1.148	2.086	11.2	18.5
12 17	3 9.57	+15 44.6	1.201	2.080	16.1	18.8
12 27	3 6.64	+15 38.3	1.273	2.074	20.2	19.0

515532 2014 GN_7 11 18.2 165°.00 2°.2/16.9 18

10 18	3 59.49	+14 36.0	1.992	2.855	11.9	22.3
10 28	3 53.09	+13 57.6	1.928	2.859	8.5	22.1
11 7	3 44.88	+13 16.8	1.890	2.862	4.7	21.9
11 17	3 35.67	+12 36.8	1.880	2.864	2.2	21.7
11 27	3 26.47	+12 1.7	1.900	2.867	4.8	21.9
12 7	3 18.27	+11 35.2	1.948	2.869	8.5	22.1
12 17	3 11.85	+11 19.8	2.023	2.870	11.9	22.3
12 27	3 7.75	+11 17.0	2.119	2.871	14.7	22.5

193126 2000 HN_{25} 11 18.2 121°.49 0°.7/18.5 18

10 18	4 3.71	+21 55.7	1.812	2.665	13.4	20.9
10 28	3 56.20	+21 48.2	1.756	2.681	9.6	20.7
11 7	3 46.59	+21 32.3	1.725	2.696	5.3	20.5
11 17	3 35.85	+21 9.0	1.722	2.710	0.9	20.2
11 27	3 25.22	+20 41.4	1.749	2.724	3.9	20.5
12 7	3 15.88	+20 13.8	1.804	2.737	8.1	20.7
12 17	3 8.70	+19 50.5	1.886	2.750	11.9	21.0
12 27	3 4.23	+19 35.0	1.990	2.763	14.9	21.2

133684 2003 UZ_{202} 11 18.2 310°.45 2°.5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.57	+26 18.7	2.176	3.019	11.9	19.9
10 28	3 53.34	+26 42.7	2.098	3.013	8.8	19.7
11 7	3 45.13	+26 57.7	2.045	3.007	5.5	19.5
11 17	3 35.71	+27 2.6	2.019	3.001	2.7	19.3
11 27	3 26.10	+26 58.2	2.024	2.996	3.9	19.4
12 7	3 17.38	+26 47.2	2.057	2.990	7.3	19.6
12 17	3 10.40	+26 33.2	2.116	2.985	10.6	19.8
12 27	3 5.82	+26 20.6	2.199	2.980	13.4	20.0

348021 2003 SU_{372} 11 18.2 289°.53 2°.7/19.4 18

10 18	4 1.04	+26 31.1	1.687	2.539	14.3	21.3
10 28	3 54.83	+26 38.8	1.609	2.529	10.6	21.0
11 7	3 46.11	+26 33.9	1.555	2.520	6.5	20.8
11 17	3 35.82	+26 15.7	1.527	2.510	2.9	20.5
11 27	3 25.30	+25 46.2	1.526	2.501	4.6	20.6
12 7	3 15.94	+25 10.2	1.554	2.491	8.8	20.8
12 17	3 8.84	+24 33.7	1.606	2.482	12.9	21.1
12 27	3 4.75	+24 2.6	1.680	2.473	16.4	21.3

456783 2007 TF_{174} 11 18.2 110°.96 3°.4/20.3 17

10 18	3 59.56	+30 51.8	2.695	3.514	10.6	20.8
10 28	3 53.00	+31 18.7	2.625	3.522	8.1	20.6
11 7	3 44.81	+31 35.0	2.581	3.529	5.5	20.4
11 17	3 35.67	+31 39.7	2.566	3.537	3.5	20.3
11 27	3 26.47	+31 33.2	2.580	3.544	4.0	20.4
12 7	3 18.07	+31 18.0	2.625	3.551	6.3	20.5
12 17	3 11.19	+30 57.6	2.697	3.558	8.8	20.7
12 27	3 6.35	+30 36.1	2.794	3.565	11.1	20.9

74318 1998 UB_{16} 11 18.2 217°.15 0°.5/18.4 18

10 18	4 2.16	+20 22.4	2.132	2.983	11.8	18.9
10 28	3 55.12	+20 36.6	2.053	2.977	8.5	18.7
11 7	3 46.08	+20 45.5	2.000	2.970	4.7	18.5
11 17	3 35.82	+20 49.3	1.975	2.964	0.8	18.2
11 27	3 25.37	+20 49.1	1.982	2.956	3.6	18.4
12 7	3 15.81	+20 47.5	2.017	2.949	7.5	18.6
12 17	3 8.04	+20 47.2	2.080	2.941	11.1	18.8
12 27	3 2.68	+20 51.3	2.166	2.933	14.0	19.0

480211 2015 GP_{18} 11 18.2 256°.39 3°.5/19.5 18

10 18	4 4.38	+27 10.8	1.466	2.320	16.0	21.7
10 28	3 57.53	+27 32.5	1.394	2.314	12.0	21.5
11 7	3 47.71	+27 40.1	1.344	2.308	7.5	21.2
11 17	3 36.00	+27 31.6	1.319	2.301	3.7	21.0
11 27	3 24.01	+27 8.4	1.321	2.295	5.3	21.0
12 7	3 13.43	+26 35.7	1.350	2.288	9.8	21.3
12 17	3 5.57	+26 0.6	1.403	2.281	14.3	21.5
12 27	3 1.21	+25 30.3	1.477	2.274	18.1	21.8

68163 2001 BJ_{22} 11 18.2 30°.72 2°.4/17.7 18

10 18	4 3.90	+12 51.3	0.897	1.793	19.7	17.5
10 28	3 57.45	+13 23.9	0.864	1.810	14.0	17.3
11 7	3 47.61	+13 59.3	0.851	1.828	7.7	17.0
11 17	3 35.96	+14 37.7	0.860	1.848	2.4	16.8
11 27	3 24.63	+15 19.8	0.893	1.869	6.6	17.1
12 7	3 15.54	+16 6.2	0.949	1.891	12.4	17.5
12 17	3 9.91	+16 57.7	1.026	1.914	17.4	17.9
12 27	3 8.26	+17 54.5	1.120	1.938	21.3	18.2

139525 2001 QN_3 11 18.2 111°.03 3°.4/20.4 18

10 18	4 2.44	+30 56.1	2.169	2.993	12.6	20.6
10 28	3 55.16	+30 57.9	2.110	3.012	9.5	20.4
11 7	3 45.98	+30 45.6	2.077	3.029	6.3	20.3
11 17	3 35.80	+30 19.1	2.071	3.047	3.7	20.1
11 27	3 25.73	+29 40.4	2.095	3.064	4.3	20.2
12 7	3 16.84	+28 54.1	2.149	3.080	7.2	20.4
12 17	3 9.91	+28 5.8	2.230	3.096	10.2	20.6
12 27	3 5.45	+27 20.6	2.334	3.112	12.8	20.9

417384 2006 HR_{68} 11 18.2 219°.66 2°.2/16.4 17

10 18	3 55.14	+14 10.4	2.529	3.391	9.8	21.6
10 28	3 49.76	+13 19.0	2.458	3.388	6.9	21.4
11 7	3 43.01	+12 25.2	2.413	3.384	3.9	21.2
11 17	3 35.50	+11 32.4	2.398	3.380	2.2	21.1
11 27	3 27.96	+10 44.3	2.413	3.376	4.3	21.2
12 7	3 21.15	+10 4.4	2.458	3.372	7.3	21.4
12 17	3 15.67	+ 9 35.1	2.529	3.368	10.1	21.6
12 27	3 11.96	+ 9 17.9	2.623	3.364	12.5	21.8

132102 2002 CZ_{210} 11 18.2 119°.53 4°.4/20.1 18

10 18	4 5.96	+30 21.0	1.844	2.674	14.3	19.5
10 28	3 58.10	+31 0.2	1.783	2.685	10.9	19.3
11 7	3 47.77	+31 25.1	1.745	2.697	7.3	19.1
11 17	3 36.01	+31 33.2	1.734	2.707	4.6	19.0
11 27	3 24.18	+31 24.9	1.752	2.718	5.3	19.0
12 7	3 13.68	+31 4.2	1.798	2.728	8.5	19.2
12 17	3 5.54	+30 36.8	1.871	2.737	11.8	19.5
12 27	3 0.41	+30 9.2	1.966	2.747	14.8	19.7

348278 2004 VX_{52} 11 18.2 37°.39 0°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.88	+17 23.4	1.520	2.386	14.9	20.4
10 28	3 57.54	+18 2.5	1.458	2.389	10.6	20.2
11 7	3 47.56	+18 39.3	1.420	2.394	5.8	19.9
11 17	3 35.99	+19 12.7	1.410	2.398	0.6	19.6
11 27	3 24.29	+19 43.0	1.427	2.403	4.6	19.9
12 7	3 13.92	+20 11.6	1.472	2.408	9.4	20.2
12 17	3 6.03	+20 40.9	1.543	2.413	13.7	20.4
12 27	3 1.32	+21 13.4	1.634	2.418	17.2	20.7

107345 2001 CM_{24} 11 18.2 184°.12 5°.2/21.7 18

10 18	4 3.14	+36 31.1	2.107	2.912	13.6	20.0
10 28	3 55.95	+36 29.6	2.031	2.912	10.8	19.8
11 7	3 46.55	+36 9.0	1.977	2.912	7.8	19.7
11 17	3 35.88	+35 27.9	1.950	2.912	5.6	19.5
11 27	3 25.20	+34 28.3	1.952	2.911	5.6	19.5
12 7	3 15.74	+33 15.5	1.983	2.909	8.0	19.7
12 17	3 8.43	+31 56.9	2.041	2.907	11.0	19.9
12 27	3 3.87	+30 40.2	2.123	2.905	13.8	20.0

70534 1999 TP_{121} 11 18.2 78°.78 2°.1/17.1 18

10 18	4 1.96	+15 44.4	1.663	2.530	13.7	19.7
10 28	3 54.84	+15 5.8	1.624	2.557	9.6	19.5
11 7	3 45.78	+14 24.4	1.610	2.584	5.2	19.3
11 17	3 35.78	+13 43.8	1.624	2.610	2.1	19.2
11 27	3 26.09	+13 8.6	1.666	2.636	5.0	19.4
12 7	3 17.78	+12 42.7	1.737	2.661	9.1	19.7
12 17	3 11.64	+12 28.6	1.832	2.687	12.6	20.0
12 27	3 8.11	+12 27.4	1.948	2.711	15.5	20.3

483763 2005 UD_{184} 11 18.2 17°.16 1°.6/17.1 17

10 18	3 55.57	+19 42.8	1.521	2.399	14.2	20.9
10 28	3 50.69	+18 21.0	1.466	2.404	10.0	20.7
11 7	3 43.69	+16 49.6	1.435	2.411	5.3	20.4
11 17	3 35.58	+15 14.7	1.431	2.419	1.6	20.2
11 27	3 27.59	+13 44.3	1.455	2.427	5.2	20.5
12 7	3 20.88	+12 26.3	1.506	2.436	9.7	20.8
12 17	3 16.30	+11 25.8	1.581	2.446	13.7	21.0
12 27	3 14.35	+10 45.5	1.676	2.457	16.9	21.3

53098 1998 YM_{22} 11 18.2 267°.33 5°.1/15.6 18

10 18	4 0.24	+ 8 4.5	1.693	2.562	13.4	19.3
10 28	3 54.08	+ 7 14.8	1.615	2.544	10.0	19.0
11 7	3 45.65	+ 6 27.7	1.561	2.526	6.6	18.8
11 17	3 35.81	+ 5 48.3	1.534	2.507	5.2	18.7
11 27	3 25.71	+ 5 22.1	1.535	2.488	7.5	18.8
12 7	3 16.60	+ 5 12.8	1.562	2.468	11.3	18.9
12 17	3 9.48	+ 5 22.2	1.613	2.448	15.1	19.1
12 27	3 5.05	+ 5 49.8	1.684	2.428	18.3	19.3

267580 2002 QB_{108} 11 18.2 116°.76 5°.9/14.1 18

10 18	3 55.66	+ 0 22.4	2.511	3.361	10.3	21.1
10 28	3 50.02	− 0 29.6	2.463	3.371	8.0	21.0
11 7	3 43.11	− 1 13.4	2.442	3.381	6.3	20.9
11 17	3 35.53	− 1 45.0	2.448	3.391	5.9	20.9
11 27	3 28.01	− 2 1.6	2.483	3.400	7.2	21.0
12 7	3 21.25	− 2 1.8	2.545	3.410	9.2	21.1
12 17	3 15.82	− 1 45.8	2.632	3.419	11.3	21.3
12 27	3 12.12	− 1 15.3	2.740	3.427	13.2	21.4

448051 Pepisensi 11 18.2 274°.75 12°.8/ 7.9 18

10 18	3 56.89	−16 52.2	2.013	2.811	14.4	20.8
10 28	3 51.33	−18 34.0	1.968	2.801	13.3	20.7
11 7	3 43.98	−19 53.4	1.946	2.790	12.8	20.6
11 17	3 35.62	−20 43.0	1.946	2.779	13.1	20.6
11 27	3 27.22	−20 58.3	1.968	2.769	14.2	20.7
12 7	3 19.73	−20 39.0	2.010	2.758	15.7	20.8
12 17	3 13.93	−19 48.0	2.071	2.747	17.2	20.9
12 27	3 10.36	−18 30.7	2.146	2.736	18.7	21.0

44443 1998 UY_{19} 11 18.2 180°.82 0°.3/17.9 18

10 18	3 56.35	+20 58.5	2.744	3.593	9.5	17.7
10 28	3 50.54	+20 10.2	2.670	3.594	6.7	17.5
11 7	3 43.40	+19 15.3	2.623	3.594	3.6	17.3
11 17	3 35.56	+18 16.2	2.606	3.594	0.4	17.0
11 27	3 27.74	+17 16.3	2.621	3.594	3.0	17.3
12 7	3 20.66	+16 19.5	2.666	3.593	6.2	17.5
12 17	3 14.89	+15 29.4	2.740	3.592	9.0	17.7
12 27	3 10.87	+14 48.5	2.839	3.591	11.4	17.8

404732 2014 JX_{22} 11 18.2 287°.03 3°.0/16.7 18

10 18	3 59.06	+13 24.8	1.685	2.557	13.3	20.8
10 28	3 53.29	+12 47.6	1.605	2.540	9.6	20.6
11 7	3 45.26	+12 8.2	1.550	2.522	5.5	20.3
11 17	3 35.81	+11 30.5	1.521	2.505	3.0	20.1
11 27	3 26.11	+10 59.2	1.521	2.487	5.9	20.3
12 7	3 17.40	+10 38.8	1.547	2.470	10.1	20.5
12 17	3 10.70	+10 32.2	1.598	2.452	14.2	20.7
12 27	3 6.71	+10 40.9	1.669	2.435	17.6	20.9

57360 2001 RJ_4 11 18.2 314°.34 4°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.55	+31 5.5	1.351	2.205	17.1	18.4
10 28	3 55.15	+31 11.9	1.272	2.189	13.2	18.1
11 7	3 46.60	+30 57.8	1.214	2.173	8.8	17.8
11 17	3 35.97	+30 20.8	1.179	2.157	5.2	17.6
11 27	3 24.97	+29 23.3	1.170	2.142	6.1	17.6
12 7	3 15.41	+28 12.6	1.186	2.128	10.5	17.8
12 17	3 8.70	+26 58.7	1.226	2.114	15.1	18.0
12 27	3 5.70	+25 51.7	1.285	2.100	19.3	18.2

188770 2005 UL_{406} 11 18.2 33°.27 1°.6/17.3 18

10 18	3 57.82	+16 3.9	1.852	2.721	12.5	20.8
10 28	3 52.07	+15 38.4	1.791	2.725	8.8	20.5
11 7	3 44.42	+15 9.7	1.755	2.729	4.8	20.3
11 17	3 35.71	+14 40.5	1.747	2.733	1.6	20.1
11 27	3 27.01	+14 14.6	1.767	2.738	4.5	20.3
12 7	3 19.35	+13 55.4	1.815	2.743	8.5	20.6
12 17	3 13.55	+13 45.7	1.888	2.748	12.1	20.8
12 27	3 10.14	+13 47.1	1.983	2.753	15.0	21.0

496769 2017 BQ_{84} 11 18.2 326°.28 0°.8/18.5 17

10 18	3 59.67	+21 37.9	1.756	2.618	13.4	21.3
10 28	3 53.66	+21 39.7	1.684	2.613	9.6	21.1
11 7	3 45.42	+21 33.9	1.637	2.608	5.4	20.8
11 17	3 35.83	+21 21.0	1.616	2.604	1.1	20.5
11 27	3 26.09	+21 3.5	1.624	2.600	4.0	20.7
12 7	3 17.44	+20 45.1	1.659	2.596	8.4	21.0
12 17	3 10.84	+20 29.9	1.720	2.592	12.4	21.2
12 27	3 6.97	+20 21.7	1.802	2.588	15.7	21.4

115716 2003 UV_{173} 11 18.2 248°.04 0°.3/18.4 17

10 18	3 56.29	+22 43.4	2.445	3.296	10.5	19.6
10 28	3 50.72	+22 6.6	2.366	3.290	7.5	19.4
11 7	3 43.62	+21 21.6	2.312	3.283	4.1	19.2
11 17	3 35.64	+20 30.2	2.288	3.276	0.6	18.9
11 27	3 27.61	+19 35.9	2.294	3.269	3.1	19.1
12 7	3 20.37	+18 42.8	2.330	3.262	6.6	19.3
12 17	3 14.60	+17 55.0	2.394	3.255	9.8	19.5
12 27	3 10.78	+17 15.8	2.481	3.248	12.4	19.7

267963 2004 FG_{45} 11 18.2 279°.80 1°.2/17.7 18

10 18	4 1.79	+17 17.4	1.477	2.349	14.9	20.3
10 28	3 55.53	+17 4.6	1.402	2.337	10.7	20.1
11 7	3 46.60	+16 46.7	1.350	2.325	5.8	19.7
11 17	3 35.98	+16 26.0	1.325	2.313	1.3	19.4
11 27	3 25.08	+16 6.1	1.327	2.301	5.2	19.7
12 7	3 15.39	+15 51.3	1.355	2.289	10.3	19.9
12 17	3 8.11	+15 45.8	1.407	2.277	14.8	20.2
12 27	3 3.99	+15 52.2	1.480	2.265	18.6	20.4

490639 2010 ED_1 11 18.2 353°.65 8°.1/15.8 18

10 18	4 2.02	− 5 32.8	1.956	2.791	13.4	20.4
10 28	3 54.91	− 5 30.3	1.896	2.788	10.9	20.2
11 7	3 45.93	− 5 10.9	1.859	2.786	8.9	20.1
11 17	3 35.89	− 4 31.1	1.849	2.784	8.2	20.0
11 27	3 25.83	− 3 29.8	1.867	2.782	9.3	20.1
12 7	3 16.77	− 2 8.6	1.912	2.781	11.6	20.2
12 17	3 9.55	− 0 31.1	1.983	2.781	14.1	20.4
12 27	3 4.69	+ 1 18.4	2.075	2.781	16.4	20.6

380337 2002 PY_{184} 11 18.2 144°.07 2°.3/17.0 16

10 18	4 2.75	+15 24.6	1.688	2.553	13.7	22.1
10 28	3 55.62	+14 43.7	1.631	2.563	9.7	21.8
11 7	3 46.36	+13 59.3	1.599	2.571	5.3	21.6
11 17	3 35.93	+13 15.1	1.594	2.580	2.3	21.4
11 27	3 25.59	+12 36.0	1.619	2.587	5.3	21.6
12 7	3 16.53	+12 6.4	1.671	2.594	9.5	21.9
12 17	3 9.64	+11 49.4	1.749	2.601	13.3	22.2
12 27	3 5.47	+11 46.5	1.847	2.606	16.4	22.4

74429 1999 BU_7 11 18.2 168°.83 4°.4/15.8 18

10 18	3 58.95	+ 6 43.3	2.186	3.046	11.2	19.8
10 28	3 52.59	+ 6 11.7	2.125	3.048	8.3	19.6
11 7	3 44.62	+ 5 44.5	2.090	3.051	5.5	19.5
11 17	3 35.75	+ 5 25.1	2.083	3.053	4.4	19.4
11 27	3 26.88	+ 5 16.5	2.105	3.054	6.1	19.5
12 7	3 18.88	+ 5 20.6	2.156	3.056	9.0	19.7
12 17	3 12.47	+ 5 38.0	2.232	3.056	11.8	19.9
12 27	3 8.14	+ 6 7.8	2.330	3.057	14.3	20.1

38279 1999 RU_{51} 11 18.2 104°.66 7°.9/13.5 18

10 18	3 58.66	+ 1 1.3	1.739	2.601	13.5	19.1
10 28	3 52.57	− 0 26.8	1.696	2.611	10.6	18.9
11 7	3 44.64	− 1 44.4	1.678	2.621	8.4	18.8
11 17	3 35.75	− 2 44.6	1.686	2.630	8.0	18.8
11 27	3 26.98	− 3 21.8	1.722	2.640	9.7	18.9
12 7	3 19.36	− 3 33.9	1.782	2.649	12.3	19.1
12 17	3 13.64	− 3 21.8	1.864	2.658	15.0	19.3
12 27	3 10.31	− 2 48.4	1.965	2.667	17.3	19.5

382211 2012 PQ_{25} 11 18.2 146°.68 1°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.47	+25 41.1	1.831	2.678	13.6	21.4
10 28	3 56.18	+25 31.1	1.768	2.686	10.0	21.2
11 7	3 46.69	+25 9.2	1.728	2.694	5.9	21.0
11 17	3 35.98	+24 35.8	1.716	2.701	2.1	20.8
11 27	3 25.30	+23 54.2	1.733	2.708	4.0	20.9
12 7	3 15.89	+23 9.3	1.780	2.715	8.1	21.2
12 17	3 8.67	+22 27.0	1.852	2.720	11.8	21.4
12 27	3 4.20	+21 52.2	1.947	2.726	15.0	21.7

40258 1999 CF_{61} 11 18.2 53°.75 0°.9/18.6 18

10 18	4 2.65	+23 16.1	1.161	2.037	17.7	17.8
10 28	3 56.33	+22 48.8	1.112	2.047	12.8	17.5
11 7	3 46.99	+22 7.4	1.083	2.057	7.1	17.3
11 17	3 36.01	+21 14.5	1.079	2.067	1.3	16.9
11 27	3 25.19	+20 16.6	1.101	2.078	5.2	17.2
12 7	3 16.23	+19 21.8	1.148	2.089	10.7	17.6
12 17	3 10.28	+18 37.6	1.217	2.101	15.6	17.9
12 27	3 7.90	+18 8.7	1.305	2.112	19.5	18.2

51480 2001 FN_{67} 11 18.2 131°.87 0°.5/18.4 18

10 18	4 4.26	+21 4.3	1.613	2.473	14.5	19.6
10 28	3 56.91	+21 1.4	1.554	2.482	10.4	19.4
11 7	3 47.15	+20 50.4	1.518	2.490	5.7	19.1
11 17	3 36.03	+20 32.1	1.510	2.498	0.8	18.8
11 27	3 24.94	+20 9.6	1.530	2.506	4.3	19.1
12 7	3 15.22	+19 47.4	1.579	2.513	9.0	19.4
12 17	3 7.89	+19 29.9	1.652	2.520	13.0	19.7
12 27	3 3.53	+19 20.8	1.747	2.527	16.4	19.9

138817 2000 UR_{8} 11 18.2 100°.24 0°.2/18.1 18

10 18	4 3.10	+18 34.6	1.682	2.544	13.8	18.4
10 28	3 56.01	+18 42.4	1.623	2.553	9.9	18.2
11 7	3 46.64	+18 45.4	1.589	2.562	5.3	18.0
11 17	3 35.98	+18 44.4	1.582	2.570	0.6	17.7
11 27	3 25.33	+18 41.4	1.604	2.579	4.3	18.0
12 7	3 15.93	+18 39.4	1.654	2.587	8.7	18.3
12 17	3 8.76	+18 41.7	1.729	2.595	12.7	18.5
12 27	3 4.42	+18 50.9	1.826	2.603	15.9	18.7

302597 2002 QP_{60} 11 18.2 48°.51 0°.6/17.9 15

10 18	3 59.58	+21 5.1	1.442	2.315	15.1	20.9
10 28	3 53.50	+20 10.8	1.401	2.336	10.7	20.6
11 7	3 45.20	+19 7.0	1.383	2.357	5.7	20.4
11 17	3 35.82	+17 58.3	1.391	2.380	0.7	20.1
11 27	3 26.73	+16 51.4	1.427	2.402	4.7	20.5
12 7	3 19.17	+15 52.9	1.490	2.425	9.4	20.8
12 17	3 13.97	+15 7.8	1.577	2.448	13.4	21.1
12 27	3 11.60	+14 38.7	1.685	2.471	16.6	21.4

112931 2002 QW_{68} 11 18.2 359°.43 0°.9/17.6 17

10 18	3 56.55	+17 35.2	2.093	2.957	11.4	20.8
10 28	3 51.07	+17 15.1	2.025	2.957	8.1	20.6
11 7	3 43.87	+16 50.9	1.983	2.956	4.4	20.3
11 17	3 35.69	+16 24.8	1.968	2.956	1.0	20.1
11 27	3 27.47	+15 59.7	1.983	2.956	3.9	20.3
12 7	3 20.14	+15 39.0	2.027	2.956	7.6	20.5
12 17	3 14.44	+15 25.5	2.096	2.957	11.0	20.7
12 27	3 10.91	+15 21.2	2.188	2.958	13.8	20.9

147586 2004 FW_{141} 11 18.2 159°.72 1°.2/18.8 18

10 18	4 3.28	+23 57.1	1.883	2.732	13.2	21.2
10 28	3 56.01	+23 42.8	1.817	2.738	9.6	21.0
11 7	3 46.60	+23 18.1	1.775	2.744	5.4	20.8
11 17	3 35.99	+22 44.0	1.762	2.749	1.4	20.5
11 27	3 25.40	+22 3.7	1.778	2.754	3.9	20.7
12 7	3 16.01	+21 22.1	1.824	2.758	8.0	21.0
12 17	3 8.72	+20 44.2	1.895	2.761	11.8	21.2
12 27	3 4.10	+20 14.4	1.990	2.763	14.9	21.4

2067 Aksnes 11 18.2 337°.74 1°.3/17.3 18

10 18	3 53.43	+16 5.0	2.486	3.351	9.8	15.7
10 28	3 48.70	+15 41.6	2.409	3.341	7.0	15.5
11 7	3 42.56	+15 15.5	2.359	3.332	3.8	15.3
11 17	3 35.58	+14 49.0	2.337	3.323	1.3	15.1
11 27	3 28.52	+14 24.6	2.344	3.315	3.6	15.3
12 7	3 22.14	+14 5.1	2.381	3.307	6.8	15.5
12 17	3 17.06	+13 52.8	2.444	3.300	9.8	15.7
12 27	3 13.77	+13 49.3	2.530	3.293	12.4	15.8

99074 2001 FU_{14} 11 18.2 171°.79 3°.9/15.6 18

10 18	3 58.48	+ 9 55.0	2.169	3.031	11.2	19.8
10 28	3 52.27	+ 8 53.7	2.107	3.034	8.1	19.6
11 7	3 44.47	+ 7 53.1	2.071	3.037	5.1	19.4
11 17	3 35.78	+ 6 57.9	2.065	3.039	3.9	19.3
11 27	3 27.13	+ 6 12.6	2.088	3.040	5.9	19.5
12 7	3 19.37	+ 5 40.6	2.140	3.041	8.9	19.7
12 17	3 13.21	+ 5 23.7	2.217	3.042	11.9	19.9
12 27	3 9.12	+ 5 22.2	2.316	3.042	14.4	20.0

367024 2006 BJ_{194} 11 18.2 153°.00 5°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.44	+32 34.0	1.415	2.253	17.3	21.2
10 28	3 59.05	+32 41.1	1.351	2.257	13.4	21.0
11 7	3 48.56	+32 26.5	1.308	2.261	9.1	20.8
11 17	3 36.24	+31 48.1	1.290	2.264	5.6	20.6
11 27	3 23.91	+30 48.6	1.299	2.267	6.2	20.6
12 7	3 13.32	+29 36.1	1.334	2.270	10.1	20.9
12 17	3 5.75	+28 20.8	1.393	2.272	14.3	21.1
12 27	3 1.86	+27 12.3	1.474	2.274	18.0	21.4

71489 Dynamocamp 11 18.2 220°.41 0°.3/18.0 18

10 18	3 56.65	+19 34.5	2.648	3.501	9.7	19.4
10 28	3 50.91	+19 14.7	2.569	3.495	6.9	19.2
11 7	3 43.73	+18 50.1	2.517	3.489	3.7	19.0
11 17	3 35.72	+18 22.0	2.494	3.482	0.4	18.7
11 27	3 27.64	+17 53.0	2.501	3.475	3.1	18.9
12 7	3 20.25	+17 25.8	2.539	3.468	6.3	19.1
12 17	3 14.20	+17 3.3	2.605	3.461	9.3	19.3
12 27	3 9.96	+16 47.7	2.694	3.453	11.8	19.5

471949 2013 RH_{72} 11 18.2 176°.85 2°.3/19.3 16

10 18	4 4.65	+26 20.2	1.539	2.391	15.5	21.7
10 28	3 57.47	+26 11.5	1.472	2.393	11.4	21.4
11 7	3 47.60	+25 48.3	1.428	2.394	6.8	21.2
11 17	3 36.15	+25 10.6	1.410	2.395	2.6	20.9
11 27	3 24.64	+24 22.1	1.420	2.395	4.7	21.1
12 7	3 14.59	+23 29.1	1.457	2.395	9.3	21.3
12 17	3 7.13	+22 39.0	1.520	2.394	13.6	21.6
12 27	3 2.90	+21 58.0	1.604	2.393	17.2	21.8

150470 2000 KT_{28} 11 18.2 172°.14 1°.3/17.6 18

10 18	4 3.00	+16 11.7	2.018	2.874	12.1	20.4
10 28	3 55.67	+16 1.2	1.951	2.878	8.6	20.2
11 7	3 46.40	+15 47.8	1.909	2.881	4.7	20.0
11 17	3 36.02	+15 33.1	1.896	2.884	1.3	19.8
11 27	3 25.60	+15 19.8	1.914	2.885	4.2	20.0
12 7	3 16.20	+15 10.7	1.961	2.886	8.1	20.2
12 17	3 8.68	+15 8.4	2.035	2.887	11.7	20.5
12 27	3 3.59	+15 14.8	2.131	2.886	14.6	20.7

517929 2015 TR_{193} 11 18.2 45°.05 1°.2/18.9 18

10 18	3 59.14	+24 17.2	1.683	2.543	14.0	21.0
10 28	3 53.21	+23 56.3	1.626	2.553	10.1	20.7
11 7	3 45.12	+23 24.0	1.593	2.564	5.7	20.5
11 17	3 35.87	+22 42.1	1.587	2.574	1.5	20.3
11 27	3 26.71	+21 54.7	1.609	2.585	4.0	20.5
12 7	3 18.81	+21 7.3	1.658	2.596	8.3	20.7
12 17	3 13.08	+20 25.4	1.733	2.608	12.2	21.0
12 27	3 10.03	+19 53.2	1.830	2.620	15.4	21.2

72408 2001 CQ_{27} 11 18.2 139°.49 3°.4/16.3 18

10 18	3 58.18	+ 8 30.7	2.373	3.231	10.5	18.9
10 28	3 51.98	+ 8 13.6	2.311	3.236	7.6	18.7
11 7	3 44.29	+ 7 59.7	2.277	3.241	4.8	18.5
11 17	3 35.79	+ 7 51.4	2.271	3.246	3.4	18.5
11 27	3 27.29	+ 7 51.0	2.295	3.251	5.1	18.6
12 7	3 19.59	+ 8 0.1	2.348	3.255	7.9	18.8
12 17	3 13.35	+ 8 19.2	2.427	3.260	10.7	19.0
12 27	3 9.04	+ 8 48.3	2.529	3.264	13.1	19.1

58643 1997 WO_{25} 11 18.2 280°.88 1°.6/17.4 18

10 18	4 0.97	+18 36.9	1.349	2.226	15.7	19.4
10 28	3 55.11	+17 48.9	1.277	2.214	11.2	19.2
11 7	3 46.45	+16 51.3	1.227	2.202	6.1	18.8
11 17	3 36.05	+15 48.3	1.203	2.190	1.6	18.5
11 27	3 25.43	+14 46.5	1.205	2.179	5.7	18.8
12 7	3 16.17	+13 53.6	1.233	2.167	11.1	19.0
12 17	3 9.48	+13 15.5	1.285	2.155	15.9	19.3
12 27	3 6.09	+12 55.8	1.355	2.143	19.9	19.5

484161 2006 UV_{63} 11 18.2 348°.01 0°.1/18.2 17

10 18	3 58.08	+19 52.5	1.453	2.329	14.8	20.9
10 28	3 52.90	+19 53.0	1.385	2.322	10.6	20.6
11 7	3 45.19	+19 46.7	1.340	2.315	5.9	20.3
11 17	3 35.91	+19 34.7	1.321	2.309	0.7	19.9
11 27	3 26.44	+19 20.1	1.328	2.304	4.6	20.2
12 7	3 18.21	+19 6.9	1.361	2.300	9.6	20.5
12 17	3 12.31	+18 59.5	1.417	2.297	14.0	20.8
12 27	3 9.46	+19 1.1	1.494	2.295	17.7	21.0

396592 2001 FZ_{141} 11 18.2 217°.07 1°.2/18.9 18

10 18	4 1.11	+24 0.5	2.235	3.079	11.6	22.1
10 28	3 54.37	+23 54.3	2.152	3.071	8.4	21.9
11 7	3 45.74	+23 39.2	2.095	3.063	4.9	21.7
11 17	3 35.97	+23 15.8	2.067	3.054	1.5	21.4
11 27	3 26.05	+22 46.1	2.069	3.044	3.5	21.5
12 7	3 17.01	+22 13.8	2.101	3.034	7.2	21.7
12 17	3 9.69	+21 43.1	2.160	3.023	10.6	21.9
12 27	3 4.69	+21 18.0	2.243	3.012	13.5	22.1

325367 2008 QA_{22} 11 18.2 82°.16 5°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.19	+ 4 26.1	2.313	3.173	10.7	20.3
10 28	3 50.45	+ 3 14.3	2.276	3.194	8.0	20.2
11 7	3 43.40	+ 2 8.7	2.264	3.216	5.9	20.1
11 17	3 35.70	+ 1 13.9	2.281	3.237	5.4	20.1
11 27	3 28.15	+ 0 33.6	2.328	3.258	6.8	20.2
12 7	3 21.48	+ 0 10.2	2.401	3.279	9.2	20.4
12 17	3 16.26	+ 0 3.9	2.500	3.299	11.5	20.6
12 27	3 12.87	+ 0 13.5	2.619	3.320	13.4	20.8

97343 2000 AW_{6} 11 18.2 68°.79 0°.4/18.4 18

10 18	4 2.59	+19 50.8	1.666	2.529	14.0	18.9
10 28	3 55.72	+20 5.0	1.608	2.537	10.0	18.7
11 7	3 46.55	+20 13.4	1.574	2.546	5.5	18.5
11 17	3 36.07	+20 16.2	1.567	2.555	0.8	18.1
11 27	3 25.57	+20 15.3	1.588	2.564	4.2	18.4
12 7	3 16.33	+20 13.7	1.638	2.573	8.6	18.7
12 17	3 9.34	+20 14.9	1.713	2.582	12.6	19.0
12 27	3 5.18	+20 21.9	1.809	2.592	15.8	19.2

516224 2016 UZ_{3} 11 18.2 3°.03 7°.5/20.3 18

10 18	4 1.34	+31 4.7	1.062	1.930	19.7	19.9
10 28	3 56.31	+32 29.1	1.007	1.928	15.4	19.7
11 7	3 47.51	+33 34.7	0.971	1.927	11.0	19.4
11 17	3 36.20	+34 14.4	0.957	1.928	7.8	19.3
11 27	3 24.52	+34 25.7	0.965	1.931	8.5	19.3
12 7	3 14.73	+34 13.4	0.997	1.935	12.3	19.6
12 17	3 8.48	+33 46.9	1.049	1.942	16.7	19.8
12 27	3 6.63	+33 16.6	1.119	1.949	20.5	20.1

407201 2009 UU_{142} 11 18.2 13°.88 0°.6/17.8 18

10 18	3 56.49	+19 31.7	1.933	2.799	12.2	21.1
10 28	3 51.14	+18 59.5	1.869	2.801	8.6	20.9
11 7	3 43.98	+18 20.9	1.829	2.803	4.6	20.7
11 17	3 35.79	+17 38.5	1.817	2.806	0.7	20.4
11 27	3 27.60	+16 56.2	1.834	2.809	3.9	20.6
12 7	3 20.41	+16 18.4	1.880	2.812	7.9	20.9
12 17	3 14.99	+15 48.8	1.951	2.816	11.5	21.1
12 27	3 11.87	+15 30.1	2.044	2.820	14.4	21.3

25617 Thomasnesch 11 18.2 189°.46 0°.0/18.2 18

10 18	3 57.59	+20 15.3	2.431	3.285	10.4	19.6
10 28	3 51.67	+20 3.7	2.359	3.284	7.4	19.4
11 7	3 44.19	+19 46.7	2.312	3.284	4.1	19.2
11 17	3 35.82	+19 25.6	2.294	3.283	0.4	18.9
11 27	3 27.39	+19 2.6	2.307	3.282	3.2	19.1
12 7	3 19.75	+18 40.7	2.350	3.281	6.6	19.3
12 17	3 13.59	+18 22.8	2.419	3.280	9.7	19.5
12 27	3 9.40	+18 11.4	2.513	3.278	12.3	19.7

483078 2015 LQ_{39} 11 18.2 34°.08 10°.2/27.3 17

10 18	4 6.84	+49 52.6	1.311	2.083	22.0	19.6
10 28	3 59.22	+49 2.1	1.269	2.112	18.5	19.5
11 7	3 48.33	+47 28.8	1.245	2.142	14.8	19.4
11 17	3 36.21	+45 11.9	1.242	2.173	11.6	19.3
11 27	3 25.13	+42 19.7	1.264	2.204	10.2	19.3
12 7	3 16.79	+39 8.7	1.312	2.237	11.4	19.4
12 17	3 12.02	+35 57.3	1.387	2.270	14.1	19.7
12 27	3 10.97	+33 0.8	1.486	2.304	17.0	20.0

334321 2001 WX_{63} 11 18.2 57°.86 0°.1/18.3 18

10 18	4 2.37	+21 20.5	1.327	2.200	16.2	20.4
10 28	3 55.72	+20 54.4	1.285	2.220	11.5	20.2
11 7	3 46.54	+20 18.4	1.266	2.240	6.2	19.9
11 17	3 36.07	+19 35.5	1.272	2.261	0.7	19.6
11 27	3 25.88	+18 50.8	1.305	2.281	4.7	20.0
12 7	3 17.39	+18 10.8	1.364	2.302	9.7	20.3
12 17	3 11.55	+17 40.4	1.447	2.323	14.0	20.6
12 27	3 8.85	+17 23.1	1.551	2.345	17.5	20.9

445510 2010 WU_{13} 11 18.2 55°.35 0°.3/18.4 18

10 18	3 59.23	+21 30.0	1.791	2.653	13.2	20.6
10 28	3 53.09	+21 10.4	1.741	2.670	9.4	20.4
11 7	3 45.00	+20 43.0	1.715	2.688	5.1	20.1
11 17	3 35.91	+20 9.6	1.717	2.706	0.7	19.9
11 27	3 26.96	+19 34.0	1.748	2.724	3.8	20.1
12 7	3 19.22	+19 0.6	1.807	2.742	8.0	20.4
12 17	3 13.49	+18 33.5	1.891	2.761	11.6	20.7
12 27	3 10.26	+18 15.6	1.998	2.779	14.6	20.9

208098 2000 AV_{154} 11 18.2 18°.11 5°.3/20.8 18

10 18	3 57.68	+31 28.2	1.076	1.946	19.3	18.6
10 28	3 53.17	+31 34.6	1.033	1.957	14.7	18.4
11 7	3 45.45	+31 16.8	1.008	1.969	9.8	18.1
11 17	3 35.97	+30 34.4	1.005	1.983	5.8	18.0
11 27	3 26.65	+29 32.3	1.026	1.999	6.5	18.1
12 7	3 19.29	+28 20.5	1.070	2.017	10.7	18.3
12 17	3 15.06	+27 9.6	1.137	2.035	15.1	18.7
12 27	3 14.49	+26 8.4	1.222	2.056	19.0	19.0

289856 2005 MC_{9} 11 18.2 131°.77 0°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.43	+20 25.3	2.239	3.093	11.2	21.8
10 28	3 52.96	+19 57.4	2.178	3.104	8.0	21.6
11 7	3 44.87	+19 23.2	2.143	3.115	4.3	21.4
11 17	3 35.91	+18 44.6	2.137	3.125	0.5	21.1
11 27	3 27.01	+18 5.0	2.161	3.135	3.4	21.4
12 7	3 19.07	+17 28.1	2.215	3.145	7.1	21.6
12 17	3 12.79	+16 57.5	2.296	3.154	10.3	21.9
12 27	3 8.65	+16 35.7	2.400	3.163	12.9	22.1

246675 2008 YH_{141} 11 18.2 113°.35 8°.0/14.0 18

10 18	3 59.70	− 2 48.8	1.956	2.802	12.9	21.1
10 28	3 53.17	− 3 45.0	1.915	2.815	10.4	20.9
11 7	3 44.97	− 4 28.0	1.898	2.828	8.5	20.8
11 17	3 35.92	− 4 52.7	1.907	2.840	8.1	20.8
11 27	3 26.99	− 4 55.5	1.944	2.852	9.4	20.9
12 7	3 19.11	− 4 36.1	2.006	2.863	11.6	21.1
12 17	3 13.00	− 3 56.3	2.092	2.874	14.0	21.3
12 27	3 9.10	− 2 59.3	2.197	2.885	16.0	21.5

262551 2006 VZ_{17} 11 18.2 269°.03 0°.6/18.5 18

10 18	4 1.69	+22 34.2	1.477	2.343	15.2	20.8
10 28	3 55.50	+22 10.6	1.404	2.335	11.0	20.6
11 7	3 46.63	+21 35.2	1.354	2.326	6.2	20.3
11 17	3 36.12	+20 49.6	1.329	2.317	1.0	19.9
11 27	3 25.42	+19 58.6	1.332	2.309	4.6	20.1
12 7	3 16.04	+19 8.7	1.362	2.300	9.8	20.4
12 17	3 9.13	+18 26.2	1.416	2.291	14.4	20.7
12 27	3 5.41	+17 56.4	1.491	2.282	18.2	20.9

474656 2004 XS_{147} 11 18.2 1°.03 5°.2/20.6 17

10 18	3 52.04	+30 31.3	0.936	1.823	20.0	19.6
10 28	3 49.61	+30 34.2	0.884	1.818	15.3	19.3
11 7	3 43.76	+30 11.3	0.849	1.815	10.1	19.0
11 17	3 35.81	+29 21.9	0.834	1.815	5.7	18.8
11 27	3 27.76	+28 11.6	0.841	1.817	6.6	18.8
12 7	3 21.58	+26 51.5	0.870	1.822	11.5	19.1
12 17	3 18.62	+25 33.6	0.919	1.830	16.5	19.4
12 27	3 19.56	+24 27.8	0.987	1.840	20.9	19.7

86136 1999 RZ_{172} 11 18.2 73°.22 6°.0/14.9 18

10 18	3 57.89	+ 2 45.2	1.996	2.856	12.1	19.6
10 28	3 51.88	+ 1 58.7	1.953	2.871	9.2	19.5
11 7	3 44.27	+ 1 20.7	1.935	2.886	6.8	19.3
11 17	3 35.85	+ 0 55.5	1.945	2.901	6.1	19.3
11 27	3 27.55	+ 0 46.5	1.982	2.916	7.6	19.5
12 7	3 20.25	+ 0 54.8	2.047	2.931	10.2	19.6
12 17	3 14.63	+ 1 20.0	2.135	2.946	12.8	19.8
12 27	3 11.14	+ 2 0.0	2.244	2.961	15.0	20.0

264152 2009 VC_{78} 11 18.2 62°.47 4°.1/16.1 18

10 18	3 57.63	+ 7 14.9	2.162	3.024	11.2	19.7
10 28	3 51.72	+ 6 52.1	2.103	3.029	8.2	19.5
11 7	3 44.23	+ 6 33.6	2.070	3.033	5.4	19.3
11 17	3 35.86	+ 6 22.5	2.065	3.038	4.1	19.3
11 27	3 27.49	+ 6 21.6	2.090	3.043	5.8	19.4
12 7	3 19.99	+ 6 32.3	2.142	3.047	8.7	19.6
12 17	3 14.05	+ 6 55.0	2.220	3.052	11.6	19.8
12 27	3 10.16	+ 7 29.1	2.320	3.057	14.0	20.0

40437 1999 RU_{33} 11 18.2 229°.54 5°.5/21.5 17

10 18	4 2.39	+36 18.6	2.294	3.096	12.7	20.0
10 28	3 55.53	+36 51.9	2.214	3.092	10.2	19.8
11 7	3 46.50	+37 9.6	2.157	3.087	7.6	19.7
11 17	3 36.12	+37 9.0	2.127	3.082	5.8	19.5
11 27	3 25.53	+36 50.2	2.126	3.077	5.9	19.5
12 7	3 15.92	+36 16.3	2.153	3.072	7.9	19.7
12 17	3 8.25	+35 32.8	2.206	3.066	10.6	19.8
12 27	3 3.19	+34 46.1	2.283	3.061	13.1	20.0

494616 2017 BF_{133} 11 18.2 195°.35 0°.7/18.7 17

10 18	3 58.46	+22 29.8	2.633	3.477	10.0	22.2
10 28	3 52.24	+22 23.9	2.555	3.475	7.2	22.0
11 7	3 44.51	+22 11.4	2.504	3.473	4.1	21.8
11 17	3 35.90	+21 53.3	2.482	3.470	0.9	21.5
11 27	3 27.22	+21 31.3	2.491	3.466	2.9	21.7
12 7	3 19.28	+21 8.2	2.531	3.463	6.2	21.9
12 17	3 12.74	+20 47.0	2.598	3.459	9.1	22.1
12 27	3 8.10	+20 30.6	2.690	3.454	11.7	22.3

17207 2000 AW_{126} 11 18.2 85°.15 6°.2/22.4 18

10 18	4 4.69	+38 24.8	1.878	2.680	15.2	17.4
10 28	3 57.17	+38 29.5	1.824	2.700	12.1	17.3
11 7	3 47.29	+38 12.2	1.791	2.720	9.0	17.1
11 17	3 36.19	+37 31.4	1.785	2.740	6.6	17.0
11 27	3 25.32	+36 29.6	1.806	2.760	6.5	17.1
12 7	3 16.00	+35 13.6	1.855	2.779	8.6	17.3
12 17	3 9.15	+33 51.6	1.930	2.798	11.4	17.5
12 27	3 5.27	+32 32.0	2.029	2.817	14.1	17.7

208044 1999 RE_{218} 11 18.2 69°.02 0°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.29	+21 28.4	1.541	2.405	14.8	19.8
10 28	3 55.42	+21 5.1	1.497	2.427	10.5	19.6
11 7	3 46.32	+20 32.8	1.477	2.450	5.7	19.3
11 17	3 36.09	+19 54.0	1.483	2.472	0.7	19.0
11 27	3 26.11	+19 13.1	1.518	2.494	4.3	19.4
12 7	3 17.63	+18 35.4	1.580	2.516	8.8	19.7
12 17	3 11.52	+18 5.7	1.667	2.537	12.8	20.0
12 27	3 8.26	+17 47.2	1.775	2.559	16.0	20.3

517056 2013 AX_{131} 11 18.2 185°.72 6°.3/14.0 18

10 18	3 57.62	+ 0 44.0	2.292	3.143	11.1	21.8
10 28	3 51.65	− 0 14.5	2.234	3.143	8.7	21.6
11 7	3 44.17	− 1 5.0	2.202	3.142	6.8	21.5
11 17	3 35.87	− 1 42.7	2.197	3.142	6.4	21.5
11 27	3 27.57	− 2 4.0	2.221	3.140	7.8	21.6
12 7	3 20.07	− 2 6.9	2.272	3.139	10.1	21.7
12 17	3 14.04	− 1 51.7	2.348	3.137	12.4	21.9
12 27	3 9.95	− 1 20.0	2.443	3.134	14.5	22.0

367025 2006 BB_{255} 11 18.2 246°.04 0°.4/18.5 17

10 18	3 57.57	+21 40.0	2.365	3.218	10.7	21.8
10 28	3 51.77	+21 23.9	2.286	3.210	7.7	21.6
11 7	3 44.32	+21 0.9	2.232	3.203	4.3	21.4
11 17	3 35.90	+20 32.4	2.207	3.195	0.7	21.1
11 27	3 27.38	+20 0.9	2.212	3.188	3.2	21.3
12 7	3 19.65	+19 29.7	2.247	3.180	6.8	21.5
12 17	3 13.44	+19 2.3	2.309	3.172	10.0	21.7
12 27	3 9.27	+18 41.8	2.394	3.164	12.8	21.9

409676 2006 AO_{3} 11 18.2 178°.55 4°.2/20.5 17

10 18	4 4.51	+32 48.7	2.791	3.593	10.7	21.2
10 28	3 56.72	+33 40.9	2.711	3.594	8.4	21.0
11 7	3 47.06	+34 22.4	2.658	3.594	6.0	20.9
11 17	3 36.21	+34 50.5	2.634	3.595	4.3	20.8
11 27	3 25.13	+35 4.5	2.641	3.595	4.7	20.8
12 7	3 14.79	+35 6.1	2.679	3.595	6.7	20.9
12 17	3 6.04	+34 58.5	2.745	3.594	9.1	21.1
12 27	2 59.48	+34 46.5	2.835	3.593	11.3	21.2

82089 2001 DM_{64} 11 18.2 6°.04 1°.2/18.7 18

10 18	3 59.05	+23 15.2	1.047	1.934	18.4	18.5
10 28	3 54.22	+23 1.3	0.994	1.934	13.3	18.2
11 7	3 46.13	+22 32.9	0.960	1.934	7.5	17.9
11 17	3 36.11	+21 51.8	0.948	1.936	1.7	17.5
11 27	3 26.04	+21 3.8	0.961	1.939	5.4	17.8
12 7	3 17.77	+20 17.1	0.997	1.943	11.3	18.1
12 17	3 12.60	+19 39.4	1.054	1.949	16.5	18.4
12 27	3 11.22	+19 16.1	1.130	1.955	20.8	18.7

508105 2015 DS_{166} 11 18.2 282°.55 3°.5/19.4 18

10 18	4 5.16	+26 15.7	1.387	2.244	16.5	21.5
10 28	3 58.36	+26 49.9	1.316	2.238	12.4	21.2
11 7	3 48.39	+27 11.5	1.266	2.231	7.7	20.9
11 17	3 36.38	+27 17.8	1.242	2.225	3.8	20.7
11 27	3 24.01	+27 9.1	1.245	2.218	5.5	20.8
12 7	3 13.08	+26 50.0	1.273	2.212	10.2	21.0
12 17	3 5.00	+26 27.2	1.326	2.205	14.8	21.3
12 27	3 0.60	+26 7.9	1.398	2.199	18.7	21.5

412802 2014 PH_{28} 11 18.2 23°.57 0°.6/18.6 18

10 18	3 57.83	+22 2.5	1.748	2.612	13.3	20.7
10 28	3 52.29	+21 51.2	1.689	2.619	9.5	20.5
11 7	3 44.69	+21 31.3	1.654	2.626	5.3	20.2
11 17	3 35.94	+21 4.6	1.645	2.634	1.0	19.9
11 27	3 27.21	+20 34.2	1.665	2.642	3.9	20.2
12 7	3 19.63	+20 4.6	1.713	2.651	8.1	20.5
12 17	3 14.05	+19 39.9	1.786	2.660	11.9	20.7
12 27	3 11.03	+19 23.7	1.880	2.670	15.0	20.9

172240 2002 RO_{191} 11 18.2 33°.55 2°.4/17.1 18

10 18	3 58.88	+15 4.9	1.511	2.388	14.3	19.8
10 28	3 53.15	+14 32.3	1.459	2.396	10.1	19.6
11 7	3 45.19	+13 57.1	1.430	2.404	5.6	19.3
11 17	3 36.01	+13 23.1	1.427	2.413	2.4	19.1
11 27	3 26.89	+12 54.8	1.452	2.422	5.5	19.4
12 7	3 19.07	+12 36.5	1.503	2.432	9.8	19.7
12 17	3 13.46	+12 30.8	1.578	2.442	13.8	19.9
12 27	3 10.62	+12 38.8	1.673	2.452	17.0	20.2

168766 2000 QF_{224} 11 18.2 146°.44 2°.5/16.9 17

10 18	4 3.79	+15 22.1	1.653	2.518	13.9	20.5
10 28	3 56.44	+14 30.7	1.597	2.529	9.9	20.3
11 7	3 46.90	+13 35.5	1.566	2.539	5.5	20.0
11 17	3 36.19	+12 40.7	1.563	2.548	2.5	19.9
11 27	3 25.61	+11 52.0	1.589	2.556	5.5	20.1
12 7	3 16.36	+11 14.2	1.642	2.564	9.7	20.4
12 17	3 9.33	+10 50.6	1.721	2.570	13.6	20.6
12 27	3 5.08	+10 42.8	1.820	2.576	16.7	20.8

191976 2005 WR_{57} 11 18.2 312°.02 3°.8/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.88	+13 4.1	1.435	2.315	14.7	20.2
10 28	3 53.41	+12 8.9	1.368	2.306	10.6	20.0
11 7	3 45.48	+11 11.3	1.324	2.297	6.2	19.7
11 17	3 36.05	+10 16.7	1.306	2.288	3.8	19.5
11 27	3 26.50	+ 9 31.7	1.315	2.280	6.8	19.7
12 7	3 18.17	+ 9 1.7	1.349	2.272	11.3	19.9
12 17	3 12.12	+ 8 50.0	1.406	2.264	15.5	20.2
12 27	3 9.04	+ 8 57.3	1.482	2.257	19.1	20.4

164434 2006 CS_{58} 11 18.2 110°.38 0°.6/17.9 18

10 18	3 57.54	+18 50.8	2.279	3.137	10.9	20.4
10 28	3 51.67	+18 28.4	2.215	3.143	7.7	20.2
11 7	3 44.22	+18 1.1	2.177	3.149	4.1	20.0
11 17	3 35.91	+17 31.0	2.167	3.155	0.6	19.7
11 27	3 27.60	+17 0.9	2.188	3.161	3.5	19.9
12 7	3 20.16	+16 34.1	2.237	3.167	7.0	20.2
12 17	3 14.28	+16 13.5	2.314	3.172	10.2	20.4
12 27	3 10.44	+16 1.4	2.414	3.178	12.8	20.6

383576 2007 EA_{207} 11 18.2 236°.92 0°.4/18.0 18

10 18	4 2.17	+19 5.3	1.743	2.605	13.5	22.1
10 28	3 55.54	+18 52.2	1.666	2.596	9.7	21.8
11 7	3 46.58	+18 32.8	1.614	2.587	5.3	21.5
11 17	3 36.18	+18 8.7	1.589	2.577	0.7	21.2
11 27	3 25.59	+17 43.0	1.593	2.568	4.4	21.4
12 7	3 16.08	+17 19.9	1.625	2.557	8.9	21.7
12 17	3 8.68	+17 3.5	1.683	2.547	13.0	21.9
12 27	3 4.07	+16 57.1	1.762	2.536	16.5	22.1

37168 2000 WL_{22} 11 18.2 78°.20 3°.6/16.2 18

10 18	3 57.87	+10 15.0	1.981	2.848	11.9	19.4
10 28	3 52.00	+ 9 35.9	1.926	2.856	8.5	19.2
11 7	3 44.42	+ 8 58.7	1.897	2.865	5.2	19.0
11 17	3 35.93	+ 8 27.0	1.895	2.873	3.6	18.9
11 27	3 27.49	+ 8 4.6	1.923	2.881	5.7	19.1
12 7	3 20.02	+ 7 54.0	1.978	2.889	9.0	19.3
12 17	3 14.27	+ 7 56.6	2.058	2.898	12.1	19.5
12 27	3 10.70	+ 8 12.4	2.160	2.906	14.7	19.7

400743 2009 UZ_{121} 11 18.2 53°.75 4°.3/20.9 18

10 18	4 0.34	+32 40.5	1.993	2.820	13.5	20.5
10 28	3 54.02	+32 50.9	1.933	2.832	10.4	20.4
11 7	3 45.61	+32 45.5	1.896	2.844	7.1	20.2
11 17	3 36.06	+32 23.4	1.886	2.857	4.6	20.1
11 27	3 26.56	+31 46.5	1.904	2.870	5.0	20.1
12 7	3 18.24	+30 59.7	1.951	2.883	7.7	20.3
12 17	3 11.98	+30 8.9	2.023	2.896	10.8	20.5
12 27	3 8.32	+29 20.2	2.119	2.909	13.5	20.7

484078 2006 KO_{77} 11 18.2 236°.36 1°.8/16.9 18

10 18	3 56.09	+14 19.7	2.633	3.492	9.6	22.1
10 28	3 50.54	+13 50.0	2.554	3.483	6.8	22.0
11 7	3 43.60	+13 18.5	2.502	3.474	3.8	21.8
11 17	3 35.85	+12 47.7	2.480	3.464	1.8	21.6
11 27	3 28.02	+12 20.2	2.488	3.455	3.9	21.7
12 7	3 20.85	+11 58.7	2.526	3.445	6.9	21.9
12 17	3 14.95	+11 45.4	2.591	3.435	9.7	22.1
12 27	3 10.82	+11 41.6	2.680	3.425	12.2	22.2

106054 2000 SN_{313} 11 18.2 39°.22 5°.9/22.1 17 R

10 18	4 1.01	+37 2.5	1.873	2.686	14.8	19.2
10 28	3 54.72	+37 7.9	1.807	2.691	11.8	19.1
11 7	3 46.08	+36 52.6	1.763	2.698	8.6	18.9
11 17	3 36.12	+36 15.1	1.744	2.704	6.3	18.8
11 27	3 26.20	+35 17.6	1.753	2.711	6.2	18.8
12 7	3 17.60	+34 5.9	1.789	2.718	8.6	18.9
12 17	3 11.32	+32 48.1	1.851	2.725	11.6	19.1
12 27	3 7.91	+31 32.3	1.936	2.732	14.4	19.3

514155 2015 KQ_{137} 11 18.2 220°.40 0°.9/18.7 18

10 18	4 3.47	+22 36.4	1.785	2.638	13.6	22.4
10 28	3 56.47	+22 29.3	1.707	2.631	9.9	22.2
11 7	3 47.09	+22 12.8	1.653	2.623	5.6	21.9
11 17	3 36.26	+21 47.4	1.627	2.614	1.2	21.6
11 27	3 25.23	+21 16.1	1.630	2.605	4.1	21.8
12 7	3 15.31	+20 43.2	1.661	2.596	8.6	22.1
12 17	3 7.55	+20 14.0	1.718	2.585	12.7	22.3
12 27	3 2.63	+19 52.9	1.798	2.575	16.1	22.5

389034 2008 UZ_{348} 11 18.2 94°.47 1°.1/17.7 18

10 18	4 1.06	+18 20.0	1.689	2.555	13.6	20.9
10 28	3 54.51	+17 48.0	1.635	2.567	9.6	20.6
11 7	3 45.86	+17 10.1	1.606	2.579	5.2	20.4
11 17	3 36.10	+16 29.4	1.603	2.591	1.1	20.2
11 27	3 26.45	+15 50.3	1.630	2.603	4.5	20.4
12 7	3 18.07	+15 17.4	1.684	2.615	8.8	20.7
12 17	3 11.81	+14 54.3	1.764	2.626	12.6	21.0
12 27	3 8.21	+14 43.6	1.865	2.638	15.8	21.2

167183 2003 SU_{284} 11 18.2 128°.71 4°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.90	+32 1.5	1.784	2.617	14.5	19.8
10 28	3 55.38	+31 57.5	1.714	2.619	11.2	19.6
11 7	3 46.46	+31 35.7	1.668	2.620	7.5	19.3
11 17	3 36.18	+30 55.6	1.647	2.622	4.5	19.2
11 27	3 25.87	+29 59.7	1.654	2.624	5.1	19.2
12 7	3 16.86	+28 54.2	1.690	2.625	8.4	19.4
12 17	3 10.15	+27 46.7	1.751	2.627	12.0	19.6
12 27	3 6.35	+26 44.3	1.835	2.628	15.2	19.9

518660 2008 SK_{239} 11 18.2 161°.47 2°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.85	+30 55.0	3.179	3.990	9.3	22.3
10 28	3 53.08	+31 7.6	3.104	3.997	7.1	22.2
11 7	3 44.94	+31 10.5	3.056	4.003	4.8	22.0
11 17	3 36.02	+31 3.2	3.037	4.009	3.0	21.9
11 27	3 27.05	+30 46.5	3.050	4.014	3.4	22.0
12 7	3 18.78	+30 22.8	3.093	4.019	5.5	22.1
12 17	3 11.81	+29 55.2	3.165	4.023	7.7	22.3
12 27	3 6.61	+29 27.3	3.263	4.027	9.8	22.4

482889 2014 FT_{51} 11 18.2 303°.69 6°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.74	+33 41.6	1.674	2.497	15.8	20.1
10 28	3 59.39	+34 52.6	1.600	2.493	12.5	19.8
11 7	3 48.97	+35 47.8	1.548	2.488	9.2	19.6
11 17	3 36.49	+36 21.5	1.523	2.484	6.9	19.5
11 27	3 23.57	+36 31.5	1.524	2.479	7.3	19.5
12 7	3 11.91	+36 20.8	1.552	2.475	10.1	19.7
12 17	3 2.94	+35 56.1	1.605	2.471	13.5	19.9
12 27	2 57.52	+35 26.0	1.680	2.467	16.6	20.1

364349 2006 UR_{199} 11 18.2 307°.52 3°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.22	+26 13.9	1.705	2.557	14.2	21.1
10 28	3 55.20	+26 41.1	1.619	2.539	10.6	20.8
11 7	3 46.59	+26 57.6	1.557	2.521	6.6	20.6
11 17	3 36.23	+27 1.8	1.521	2.504	3.2	20.3
11 27	3 25.47	+26 54.0	1.513	2.487	4.8	20.4
12 7	3 15.72	+26 37.7	1.533	2.470	8.9	20.6
12 17	3 8.18	+26 18.1	1.577	2.454	13.0	20.8
12 27	3 3.70	+26 0.8	1.643	2.438	16.6	21.0

210125 2006 RR_{57} 11 18.2 115°.10 1°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.10	+15 46.7	1.919	2.785	12.3	20.7
10 28	3 52.97	+15 11.3	1.859	2.791	8.7	20.5
11 7	3 45.01	+14 32.6	1.823	2.796	4.8	20.2
11 17	3 36.03	+13 53.8	1.816	2.802	1.9	20.1
11 27	3 27.08	+13 18.9	1.838	2.808	4.6	20.3
12 7	3 19.17	+12 51.7	1.888	2.813	8.4	20.5
12 17	3 13.09	+12 35.0	1.964	2.819	11.9	20.7
12 27	3 9.35	+12 30.4	2.062	2.824	14.8	21.0

57035 2000 WG_{54} 11 18.2 159°.75 1°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.07	+23 31.7	1.888	2.739	13.1	18.9
10 28	3 55.25	+23 22.7	1.821	2.743	9.5	18.7
11 7	3 46.32	+23 4.2	1.778	2.747	5.4	18.5
11 17	3 36.18	+22 36.8	1.763	2.750	1.4	18.2
11 27	3 26.01	+22 3.4	1.777	2.753	3.8	18.4
12 7	3 16.98	+21 28.6	1.821	2.756	7.9	18.7
12 17	3 9.98	+20 57.1	1.890	2.758	11.7	18.9
12 27	3 5.60	+20 32.9	1.982	2.759	14.8	19.1

481877 2008 YH_{137} 11 18.2 180°.54 0°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.68	+22 28.8	2.086	2.937	12.0	21.9
10 28	3 54.11	+22 8.4	2.014	2.938	8.6	21.7
11 7	3 45.65	+21 39.6	1.968	2.939	4.8	21.4
11 17	3 36.11	+21 3.6	1.951	2.939	0.9	21.1
11 27	3 26.54	+20 23.7	1.963	2.938	3.5	21.3
12 7	3 17.97	+19 44.1	2.004	2.938	7.5	21.6
12 17	3 11.20	+19 9.1	2.073	2.936	11.0	21.8
12 27	3 6.79	+18 42.3	2.164	2.935	13.9	22.0

478433 2012 HT_{52} 11 18.2 137°.93 1°.4/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.26	+18 8.2	1.669	2.532	13.9	22.0
10 28	3 56.09	+17 24.0	1.613	2.543	9.8	21.8
11 7	3 46.75	+16 33.4	1.581	2.554	5.3	21.6
11 17	3 36.24	+15 39.9	1.576	2.564	1.4	21.3
11 27	3 25.85	+14 48.9	1.601	2.573	4.8	21.6
12 7	3 16.78	+14 5.6	1.654	2.582	9.2	21.9
12 17	3 9.94	+13 34.2	1.732	2.590	13.1	22.1
12 27	3 5.86	+13 17.0	1.832	2.597	16.3	22.4

165589 2001 FQ_{22} 11 18.2 268°.17 2°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.54	+13 28.5	1.964	2.829	12.0	20.7
10 28	3 53.51	+12 45.6	1.876	2.807	8.7	20.4
11 7	3 45.46	+12 0.1	1.813	2.784	5.0	20.1
11 17	3 36.12	+11 15.4	1.779	2.761	2.8	19.9
11 27	3 26.52	+10 36.0	1.773	2.738	5.4	20.1
12 7	3 17.74	+10 6.4	1.796	2.714	9.3	20.3
12 17	3 10.70	+ 9 49.6	1.844	2.690	13.0	20.4
12 27	3 6.07	+ 9 47.3	1.914	2.665	16.2	20.6

373403 1995 UJ_{64} 11 18.2 301°.96 0°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.21	+21 11.1	2.422	3.273	10.6	20.5
10 28	3 52.25	+21 22.7	2.344	3.268	7.6	20.3
11 7	3 44.63	+21 29.2	2.292	3.262	4.2	20.0
11 17	3 36.02	+21 30.8	2.270	3.257	0.9	19.8
11 27	3 27.27	+21 28.8	2.277	3.253	3.1	20.0
12 7	3 19.27	+21 25.3	2.314	3.248	6.6	20.2
12 17	3 12.75	+21 22.8	2.379	3.243	9.7	20.4
12 27	3 8.26	+21 24.1	2.467	3.238	12.4	20.6

509611 2008 ET_{144} 11 18.2 231°.86 0°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.23	+21 18.3	1.663	2.523	14.1	22.6
10 28	3 56.43	+21 0.5	1.586	2.514	10.2	22.4
11 7	3 47.14	+20 33.5	1.532	2.504	5.7	22.1
11 17	3 36.30	+19 58.5	1.505	2.494	0.7	21.7
11 27	3 25.26	+19 19.4	1.507	2.483	4.4	22.0
12 7	3 15.39	+18 41.2	1.537	2.471	9.2	22.2
12 17	3 7.77	+18 9.5	1.592	2.460	13.5	22.4
12 27	3 3.12	+17 48.4	1.669	2.447	17.1	22.7

43310 2000 HN_{37} 11 18.2 238°.04 7°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.86	+ 1 26.9	1.752	2.611	13.6	19.5
10 28	3 54.44	+ 0 29.1	1.686	2.601	10.6	19.3
11 7	3 45.93	− 0 19.6	1.645	2.591	8.1	19.1
11 17	3 36.17	− 0 52.9	1.629	2.581	7.5	19.1
11 27	3 26.29	− 1 5.9	1.641	2.570	9.3	19.1
12 7	3 17.43	− 0 56.2	1.679	2.559	12.3	19.3
12 17	3 10.49	− 0 24.6	1.739	2.547	15.3	19.5
12 27	3 6.12	+ 0 26.5	1.819	2.535	18.1	19.7

14240 2000 AP_{2} 11 18.2 30°.75 2°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.27	+23 40.9	1.223	2.093	17.4	17.4
10 28	3 57.71	+24 18.1	1.169	2.100	12.8	17.1
11 7	3 48.00	+24 44.2	1.137	2.107	7.5	16.8
11 17	3 36.40	+24 57.3	1.130	2.115	2.9	16.6
11 27	3 24.74	+24 58.5	1.148	2.124	5.3	16.8
12 7	3 14.80	+24 52.2	1.191	2.133	10.4	17.1
12 17	3 7.88	+24 44.4	1.258	2.143	15.1	17.4
12 27	3 4.68	+24 40.8	1.343	2.153	18.9	17.7

28119 1998 SX_{71} 11 18.2 224°.77 0°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.32	+21 34.5	1.648	2.508	14.2	19.0
10 28	3 56.50	+21 34.6	1.575	2.503	10.3	18.7
11 7	3 47.19	+21 26.4	1.526	2.498	5.8	18.5
11 17	3 36.34	+21 10.3	1.504	2.493	1.1	18.1
11 27	3 25.31	+20 48.9	1.511	2.487	4.3	18.4
12 7	3 15.47	+20 26.6	1.545	2.481	9.0	18.6
12 17	3 7.93	+20 8.0	1.605	2.475	13.2	18.9
12 27	3 3.37	+19 57.4	1.686	2.469	16.8	19.1

465881 2010 TL_{129} 11 18.2 67°.80 2°.6/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.21	+13 51.1	1.168	2.046	17.5	20.5
10 28	3 59.26	+13 43.5	1.135	2.072	12.4	20.3
11 7	3 48.53	+13 35.5	1.125	2.099	6.8	20.1
11 17	3 36.45	+13 29.9	1.139	2.125	2.6	19.9
11 27	3 24.81	+13 30.0	1.180	2.151	6.2	20.2
12 7	3 15.15	+13 39.0	1.246	2.177	11.2	20.6
12 17	3 8.49	+13 58.4	1.335	2.203	15.5	20.9
12 27	3 5.28	+14 28.6	1.443	2.229	19.0	21.2

359742 2011 UN_{56} 11 18.2 277°.12 0°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.95	+22 54.0	1.913	2.770	12.7	20.8
10 28	3 53.16	+22 21.6	1.828	2.755	9.2	20.5
11 7	3 45.28	+21 38.6	1.769	2.740	5.1	20.3
11 17	3 36.12	+20 46.9	1.737	2.725	0.9	19.9
11 27	3 26.79	+19 50.5	1.734	2.710	3.9	20.1
12 7	3 18.42	+18 54.8	1.759	2.695	8.2	20.3
12 17	3 11.94	+18 5.4	1.811	2.679	12.1	20.6
12 27	3 7.97	+17 26.5	1.885	2.664	15.4	20.8

228304 2000 GE_{41} 11 18.2 268°.92 0°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.59	+18 30.9	2.420	3.278	10.3	21.2
10 28	3 51.09	+18 3.6	2.336	3.264	7.3	20.9
11 7	3 44.01	+17 31.3	2.278	3.251	4.0	20.7
11 17	3 35.98	+16 56.0	2.249	3.237	0.8	20.4
11 27	3 27.83	+16 20.6	2.250	3.223	3.5	20.6
12 7	3 20.39	+15 48.7	2.281	3.209	7.0	20.8
12 17	3 14.36	+15 23.1	2.338	3.195	10.2	21.0
12 27	3 10.29	+15 6.4	2.419	3.181	12.9	21.2

77289 2001 FX_{66} 11 18.2 226°.39 2°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.80	+15 13.1	1.684	2.550	13.7	19.8
10 28	3 56.01	+14 48.0	1.610	2.542	9.8	19.5
11 7	3 46.88	+14 19.8	1.561	2.533	5.5	19.2
11 17	3 36.31	+13 51.2	1.538	2.525	2.1	19.0
11 27	3 25.56	+13 26.3	1.545	2.515	5.2	19.2
12 7	3 15.92	+13 9.0	1.579	2.505	9.7	19.4
12 17	3 8.42	+13 2.7	1.639	2.495	13.8	19.6
12 27	3 3.75	+13 9.1	1.719	2.484	17.2	19.9

483383 2016 TW_{20} 11 18.2 62°.44 0°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.01	+23 30.3	1.408	2.275	15.8	20.7
10 28	3 55.52	+23 1.8	1.360	2.290	11.3	20.5
11 7	3 46.54	+22 20.9	1.334	2.306	6.3	20.2
11 17	3 36.25	+21 30.2	1.333	2.321	1.3	19.9
11 27	3 26.15	+20 35.2	1.361	2.337	4.5	20.2
12 7	3 17.65	+19 42.6	1.414	2.353	9.4	20.5
12 17	3 11.70	+18 58.6	1.492	2.369	13.6	20.8
12 27	3 8.83	+18 27.4	1.591	2.385	17.1	21.1

223092 2002 UY_{9} 11 18.2 92°.99 2°.6/19.5 18

10 18	4 6.29	+27 9.6	1.539	2.387	15.7	20.8
10 28	3 58.40	+27 2.1	1.493	2.411	11.5	20.6
11 7	3 48.03	+26 39.6	1.470	2.434	6.9	20.4
11 17	3 36.41	+26 2.7	1.473	2.457	2.9	20.2
11 27	3 25.07	+25 15.3	1.504	2.479	4.6	20.4
12 7	3 15.41	+24 24.0	1.564	2.501	8.8	20.7
12 17	3 8.38	+23 35.8	1.648	2.522	12.8	20.9
12 27	3 4.48	+22 56.2	1.755	2.543	16.0	21.2

515052 2010 GA_{99} 11 18.2 211°.97 1°.2/17.6 18

10 18	4 0.57	+17 11.4	2.026	2.886	12.0	22.6
10 28	3 54.09	+16 44.3	1.951	2.880	8.5	22.3
11 7	3 45.70	+16 12.7	1.902	2.875	4.6	22.1
11 17	3 36.18	+15 38.9	1.881	2.868	1.3	21.8
11 27	3 26.55	+15 6.4	1.890	2.862	4.2	22.0
12 7	3 17.87	+14 39.0	1.928	2.855	8.2	22.3
12 17	3 10.97	+14 20.0	1.992	2.847	11.7	22.5
12 27	3 6.42	+14 11.7	2.079	2.839	14.8	22.7

129245 2005 QN_{24} 11 18.2 123°.33 2°.2/19.4 18

10 18	4 5.96	+26 2.4	1.841	2.682	13.8	20.8
10 28	3 57.97	+26 5.8	1.785	2.700	10.1	20.6
11 7	3 47.78	+25 57.4	1.753	2.717	6.0	20.4
11 17	3 36.40	+25 37.0	1.750	2.734	2.5	20.2
11 27	3 25.14	+25 7.2	1.776	2.750	4.1	20.3
12 7	3 15.23	+24 32.6	1.831	2.765	8.0	20.6
12 17	3 7.59	+23 58.8	1.913	2.780	11.6	20.8
12 27	3 2.75	+23 30.5	2.018	2.794	14.6	21.1

139520 2001 PM_{61} 11 18.2 28°.88 3°.2/19.8 18

10 18	4 0.59	+27 50.2	1.638	2.489	14.7	19.7
10 28	3 54.54	+27 59.6	1.577	2.495	11.0	19.5
11 7	3 46.07	+27 55.1	1.538	2.501	6.9	19.2
11 17	3 36.22	+27 36.1	1.526	2.507	3.4	19.0
11 27	3 26.33	+27 5.0	1.541	2.514	4.7	19.1
12 7	3 17.76	+26 26.9	1.583	2.522	8.6	19.4
12 17	3 11.50	+25 48.1	1.650	2.529	12.4	19.6
12 27	3 8.19	+25 14.3	1.739	2.537	15.7	19.9

156011 2001 RE_{78} 11 18.2 39°.86 4°.4/19.9 18

10 18	4 4.19	+28 34.8	1.367	2.221	16.9	19.2
10 28	3 57.53	+29 9.2	1.310	2.229	12.8	19.0
11 7	3 47.87	+29 27.7	1.275	2.236	8.2	18.7
11 17	3 36.43	+29 27.8	1.265	2.244	4.6	18.6
11 27	3 24.93	+29 10.7	1.281	2.253	5.8	18.7
12 7	3 15.06	+28 41.8	1.323	2.262	9.9	18.9
12 17	3 8.07	+28 8.7	1.389	2.271	14.1	19.2
12 27	3 4.63	+27 38.8	1.475	2.280	17.7	19.5

90341 2003 GT_{5} 11 18.2 53°.81 4°.7/15.9 18

10 18	3 59.63	+11 25.3	1.383	2.264	15.1	18.9
10 28	3 53.71	+10 14.3	1.340	2.277	10.9	18.7
11 7	3 45.52	+ 9 4.1	1.320	2.290	6.6	18.5
11 17	3 36.15	+ 8 1.7	1.326	2.304	4.7	18.4
11 27	3 26.97	+ 7 13.6	1.358	2.318	7.4	18.6
12 7	3 19.23	+ 6 44.5	1.416	2.332	11.4	18.9
12 17	3 13.83	+ 6 35.9	1.496	2.346	15.2	19.2
12 27	3 11.27	+ 6 47.1	1.596	2.360	18.3	19.4

168117 2006 FW_{11} 11 18.2 97°.45 5°.0/20.7 18

10 18	4 7.09	+32 28.3	1.873	2.694	14.5	21.2
10 28	3 58.95	+33 7.5	1.820	2.714	11.2	21.1
11 7	3 48.39	+33 30.5	1.789	2.734	7.7	20.9
11 17	3 36.48	+33 34.6	1.786	2.754	5.2	20.8
11 27	3 24.63	+33 20.6	1.812	2.774	5.7	20.9
12 7	3 14.19	+32 52.9	1.866	2.793	8.4	21.1
12 17	3 6.17	+32 17.9	1.946	2.811	11.5	21.3
12 27	3 1.15	+31 42.4	2.049	2.829	14.3	21.5

75988 2000 DK_{6} 11 18.2 345°.74 8°.9/22.5 17

10 18	4 4.59	+40 26.8	1.635	2.437	17.0	19.4
10 28	3 58.04	+41 26.2	1.564	2.433	14.2	19.2
11 7	3 48.31	+42 2.7	1.514	2.430	11.3	19.0
11 17	3 36.50	+42 10.3	1.487	2.427	9.3	18.9
11 27	3 24.36	+41 47.6	1.485	2.425	9.1	18.9
12 7	3 13.71	+40 59.2	1.509	2.423	11.1	19.0
12 17	3 5.97	+39 54.1	1.556	2.421	13.9	19.2
12 27	3 1.96	+38 43.0	1.624	2.420	16.8	19.4

219090 1998 RA 11 18.2 96°.84 0°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.30	+21 48.6	2.289	3.141	11.1	20.2
10 28	3 52.17	+21 18.0	2.232	3.157	7.9	20.0
11 7	3 44.51	+20 40.3	2.201	3.172	4.3	19.8
11 17	3 36.05	+19 57.5	2.199	3.188	0.5	19.5
11 27	3 27.68	+19 13.0	2.227	3.203	3.2	19.8
12 7	3 20.27	+18 30.6	2.285	3.217	6.7	20.0
12 17	3 14.46	+17 54.1	2.370	3.232	9.9	20.3
12 27	3 10.70	+17 26.1	2.479	3.246	12.5	20.5

308559 2005 UH_{322} 11 18.2 9°.60 1°.6/18.7 18

10 18	4 2.65	+21 35.0	1.245	2.120	16.9	19.9
10 28	3 56.56	+22 6.3	1.186	2.121	12.2	19.6
11 7	3 47.42	+22 29.4	1.150	2.122	7.0	19.4
11 17	3 36.40	+22 43.1	1.137	2.125	1.9	19.0
11 27	3 25.22	+22 48.7	1.151	2.128	5.0	19.3
12 7	3 15.60	+22 49.8	1.190	2.132	10.4	19.6
12 17	3 8.86	+22 51.5	1.252	2.137	15.1	19.9
12 27	3 5.72	+22 58.2	1.333	2.143	19.0	20.1

291435 2006 DV_{31} 11 18.2 291°.09 0°.4/17.9 17

10 18	3 57.95	+19 19.5	2.165	3.024	11.3	21.6
10 28	3 52.35	+18 58.7	2.069	2.998	8.1	21.3
11 7	3 44.85	+18 31.7	1.999	2.972	4.5	21.1
11 17	3 36.13	+18 0.3	1.957	2.946	0.6	20.7
11 27	3 27.14	+17 27.4	1.945	2.919	3.8	20.9
12 7	3 18.86	+16 56.6	1.962	2.893	7.7	21.1
12 17	3 12.18	+16 31.9	2.005	2.866	11.4	21.3
12 27	3 7.73	+16 16.2	2.071	2.840	14.5	21.5

256989 2008 EM_{137} 11 18.2 24°.80 6°.4/20.7 18

10 18	4 5.05	+33 11.5	1.659	2.487	15.7	19.9
10 28	3 58.04	+34 23.6	1.597	2.493	12.3	19.7
11 7	3 48.18	+35 19.3	1.558	2.500	9.0	19.6
11 17	3 36.51	+35 54.0	1.545	2.507	6.6	19.4
11 27	3 24.59	+36 6.0	1.559	2.515	7.0	19.5
12 7	3 14.04	+35 58.8	1.599	2.524	9.7	19.7
12 17	3 6.11	+35 38.7	1.664	2.533	13.0	19.9
12 27	3 1.57	+35 13.6	1.751	2.542	15.9	20.1

455645 2004 XV_{146} 11 18.2 350°.40 6°.7/18.4 17

10 18	4 17.59	+ 0 49.4	0.955	1.821	21.5	20.0
10 28	4 8.03	+ 2 14.5	0.894	1.818	16.4	19.7
11 7	3 54.08	+ 4 9.0	0.853	1.816	10.8	19.4
11 17	3 37.20	+ 6 32.0	0.836	1.814	6.8	19.2
11 27	3 19.83	+ 9 16.1	0.847	1.813	9.3	19.3
12 7	3 4.55	+12 9.4	0.884	1.813	14.9	19.7
12 17	2 53.27	+15 1.4	0.944	1.812	20.4	20.0
12 27	2 46.95	+17 46.5	1.023	1.813	24.8	20.3

102653 1999 VG_{53} 11 18.3 24°.03 1°.7/18.9 18

10 18	4 1.11	+22 59.2	1.336	2.207	16.2	18.6
10 28	3 55.20	+23 16.2	1.283	2.215	11.7	18.4
11 7	3 46.55	+23 22.7	1.252	2.223	6.7	18.1
11 17	3 36.31	+23 18.8	1.245	2.232	2.0	17.9
11 27	3 26.07	+23 6.8	1.266	2.243	4.7	18.1
12 7	3 17.37	+22 51.4	1.312	2.253	9.6	18.4
12 17	3 11.31	+22 37.9	1.381	2.265	14.0	18.7
12 27	3 8.55	+22 30.9	1.471	2.277	17.7	18.9

52012 2002 LQ_{55} 11 18.3 136°.21 3°.6/15.2 18

10 18	3 56.16	+10 17.6	2.521	3.381	9.9	19.0
10 28	3 50.53	+ 8 59.5	2.463	3.389	7.1	18.8
11 7	3 43.59	+ 7 41.6	2.432	3.396	4.6	18.7
11 17	3 35.98	+ 6 28.5	2.432	3.403	3.6	18.6
11 27	3 28.42	+ 5 24.9	2.462	3.410	5.4	18.8
12 7	3 21.63	+ 4 34.2	2.521	3.417	8.0	18.9
12 17	3 16.18	+ 3 58.4	2.607	3.423	10.6	19.1
12 27	3 12.49	+ 3 38.1	2.715	3.429	12.7	19.3

219165 1999 TV_{38} 11 18.3 359°.14 0°.1/18.2 18

10 18	3 55.95	+20 24.9	1.466	2.344	14.6	19.5
10 28	3 51.37	+20 5.3	1.404	2.341	10.4	19.2
11 7	3 44.42	+19 37.2	1.364	2.339	5.7	19.0
11 17	3 36.08	+19 3.3	1.349	2.337	0.6	18.6
11 27	3 27.66	+18 27.7	1.361	2.338	4.5	18.9
12 7	3 20.47	+17 55.9	1.399	2.339	9.3	19.2
12 17	3 15.50	+17 32.4	1.460	2.341	13.6	19.5
12 27	3 13.38	+17 20.6	1.542	2.345	17.2	19.7

108732 2001 OF_{31} 11 18.3 49°.58 4°.5/17.0 18

10 18	4 4.49	+ 9 24.5	1.182	2.063	17.1	18.6
10 28	3 57.32	+ 9 16.0	1.150	2.086	12.3	18.4
11 7	3 47.51	+ 9 13.2	1.139	2.110	7.4	18.2
11 17	3 36.41	+ 9 19.4	1.154	2.135	4.5	18.2
11 27	3 25.67	+ 9 37.3	1.194	2.160	7.2	18.4
12 7	3 16.77	+10 7.9	1.259	2.185	11.6	18.7
12 17	3 10.66	+10 50.6	1.347	2.211	15.7	19.0
12 27	3 7.84	+11 43.9	1.454	2.237	19.0	19.3

451976 2014 NU_{35} 11 18.3 16°.45 1°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.68	+15 7.6	1.865	2.730	12.6	20.3
10 28	3 54.30	+15 22.7	1.801	2.732	9.0	20.1
11 7	3 45.88	+15 36.9	1.761	2.734	4.9	19.8
11 17	3 36.27	+15 51.2	1.749	2.737	1.3	19.6
11 27	3 26.57	+16 6.9	1.767	2.740	4.2	19.8
12 7	3 17.89	+16 25.7	1.813	2.744	8.3	20.1
12 17	3 11.11	+16 49.1	1.884	2.747	11.9	20.3
12 27	3 6.82	+17 18.5	1.979	2.751	15.0	20.5

454684 2014 QZ_{439} 11 18.3 51°.78 1°.1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.72	+25 10.9	1.856	2.711	13.1	20.6
10 28	3 52.73	+24 32.1	1.808	2.731	9.4	20.4
11 7	3 44.89	+23 41.9	1.783	2.752	5.4	20.2
11 17	3 36.14	+22 42.8	1.787	2.774	1.4	20.0
11 27	3 27.59	+21 39.6	1.819	2.795	3.6	20.2
12 7	3 20.26	+20 38.1	1.880	2.817	7.6	20.5
12 17	3 14.90	+19 43.4	1.967	2.839	11.1	20.7
12 27	3 11.95	+18 59.5	2.077	2.861	14.0	21.0

144729 2004 GU_{37} 11 18.3 187°.82 0°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.59	+20 43.9	2.292	3.146	11.0	20.3
10 28	3 52.48	+19 54.7	2.219	3.145	7.8	20.1
11 7	3 44.76	+18 57.7	2.172	3.144	4.2	19.9
11 17	3 36.14	+17 56.0	2.155	3.143	0.6	19.6
11 27	3 27.53	+16 53.5	2.168	3.142	3.5	19.8
12 7	3 19.79	+15 55.1	2.211	3.140	7.2	20.0
12 17	3 13.64	+15 4.8	2.282	3.137	10.4	20.2
12 27	3 9.57	+14 25.7	2.376	3.135	13.2	20.4

369823 2012 HL_{66} 11 18.3 258°.60 3°.0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.73	+10 24.9	2.316	3.177	10.6	21.4
10 28	3 51.90	+10 6.1	2.242	3.170	7.7	21.2
11 7	3 44.48	+ 9 48.8	2.195	3.163	4.6	21.0
11 17	3 36.12	+ 9 35.7	2.176	3.155	3.0	20.9
11 27	3 27.66	+ 9 29.3	2.186	3.148	4.9	21.0
12 7	3 19.94	+ 9 31.7	2.226	3.140	8.0	21.2
12 17	3 13.68	+ 9 43.9	2.292	3.132	11.0	21.4
12 27	3 9.40	+10 6.4	2.380	3.124	13.5	21.5

519714 2013 BK_{80} 11 18.3 233°.51 6°.2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.85	+ 1 18.8	2.267	3.117	11.2	22.3
10 28	3 52.70	+ 0 25.0	2.195	3.105	8.8	22.2
11 7	3 44.93	− 0 21.6	2.148	3.092	6.8	22.0
11 17	3 36.18	− 0 56.2	2.130	3.078	6.3	22.0
11 27	3 27.32	− 1 14.9	2.140	3.064	7.8	22.0
12 7	3 19.21	− 1 15.5	2.178	3.049	10.2	22.2
12 17	3 12.58	− 0 57.8	2.240	3.034	12.8	22.3
12 27	3 7.97	− 0 23.4	2.322	3.018	15.1	22.5

474577 2004 FM_{91} 11 18.3 161°.69 3°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.07	+10 42.8	1.922	2.781	12.5	21.7
10 28	3 55.81	+10 16.9	1.861	2.788	9.0	21.5
11 7	3 46.63	+ 9 52.6	1.825	2.793	5.4	21.3
11 17	3 36.37	+ 9 32.8	1.818	2.798	3.4	21.2
11 27	3 26.12	+ 9 21.0	1.841	2.803	5.6	21.3
12 7	3 16.94	+ 9 19.6	1.893	2.806	9.2	21.5
12 17	3 9.66	+ 9 29.9	1.970	2.809	12.5	21.8
12 27	3 4.83	+ 9 52.1	2.069	2.812	15.4	22.0

428155 2006 SS_{267} 11 18.3 149°.48 4°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.74	+29 41.7	1.632	2.469	15.5	21.2
10 28	3 59.07	+30 6.5	1.567	2.475	11.7	21.0
11 7	3 48.66	+30 15.7	1.525	2.481	7.7	20.7
11 17	3 36.61	+30 7.1	1.509	2.486	4.5	20.6
11 27	3 24.47	+29 41.9	1.521	2.491	5.4	20.6
12 7	3 13.78	+29 5.3	1.561	2.495	9.1	20.9
12 17	3 5.70	+28 24.4	1.627	2.499	13.0	21.1
12 27	3 0.91	+27 46.3	1.714	2.502	16.3	21.3

298574 2003 YX_{9} 11 18.3 19°.43 5°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.07	+ 7 58.1	1.173	2.060	16.8	19.4
10 28	3 54.43	+ 7 56.5	1.131	2.070	12.2	19.2
11 7	3 46.11	+ 8 3.0	1.111	2.081	7.6	19.0
11 17	3 36.31	+ 8 20.8	1.114	2.093	5.0	18.9
11 27	3 26.62	+ 8 52.4	1.142	2.107	7.6	19.1
12 7	3 18.54	+ 9 37.8	1.194	2.122	12.0	19.3
12 17	3 13.10	+10 35.9	1.269	2.138	16.1	19.6
12 27	3 10.90	+11 44.2	1.362	2.155	19.5	19.9

279567 2011 DP_{4} 11 18.3 304°.67 9°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.59	+49 26.5	2.394	3.117	14.4	20.6
10 28	3 59.06	+50 27.2	2.318	3.116	12.7	20.4
11 7	3 48.74	+51 5.8	2.263	3.114	11.0	20.3
11 17	3 36.64	+51 17.3	2.232	3.112	9.8	20.2
11 27	3 24.22	+51 0.0	2.225	3.111	9.5	20.2
12 7	3 13.05	+50 16.7	2.244	3.109	10.2	20.3
12 17	3 4.36	+49 13.8	2.287	3.108	11.7	20.4
12 27	2 58.92	+48 0.0	2.353	3.106	13.4	20.5

350577 2001 FW_{88} 11 18.3 25°.33 5°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.75	+ 5 28.2	1.713	2.582	13.3	20.5
10 28	3 52.92	+ 4 35.7	1.657	2.583	10.0	20.3
11 7	3 45.12	+ 3 49.4	1.625	2.584	7.0	20.1
11 17	3 36.21	+ 3 14.8	1.620	2.585	6.0	20.1
11 27	3 27.30	+ 2 56.4	1.642	2.587	7.9	20.2
12 7	3 19.47	+ 2 56.8	1.690	2.588	11.1	20.4
12 17	3 13.56	+ 3 16.0	1.762	2.590	14.3	20.6
12 27	3 10.12	+ 3 52.4	1.853	2.592	17.0	20.8

322935 2002 ER_{134} 11 18.3 185°.96 4°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.04	+31 15.6	1.489	2.328	16.6	20.9
10 28	3 58.86	+31 34.1	1.420	2.328	12.7	20.6
11 7	3 48.67	+31 33.9	1.374	2.328	8.5	20.4
11 17	3 36.63	+31 12.5	1.352	2.328	5.2	20.2
11 27	3 24.44	+30 31.6	1.358	2.327	6.0	20.3
12 7	3 13.80	+29 37.6	1.390	2.326	9.8	20.5
12 17	3 5.99	+28 39.2	1.447	2.325	13.9	20.7
12 27	3 1.73	+27 45.2	1.525	2.323	17.5	21.0

64461 2001 VL_{36} 11 18.3 55°.70 0°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.20	+21 49.5	1.329	2.199	16.3	19.1
10 28	3 56.48	+21 40.8	1.286	2.219	11.6	18.9
11 7	3 47.14	+21 22.1	1.265	2.238	6.4	18.7
11 17	3 36.45	+20 54.9	1.270	2.258	1.1	18.4
11 27	3 25.98	+20 23.7	1.301	2.278	4.6	18.7
12 7	3 17.20	+19 54.0	1.359	2.299	9.6	19.0
12 17	3 11.10	+19 31.1	1.441	2.319	13.9	19.3
12 27	3 8.22	+19 18.5	1.542	2.340	17.4	19.6

329139 2011 DY_{26} 11 18.3 226°.24 4°.7/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.99	+ 5 12.6	2.424	3.283	10.3	20.7
10 28	3 50.56	+ 4 26.8	2.360	3.280	7.7	20.5
11 7	3 43.72	+ 3 45.5	2.321	3.277	5.5	20.3
11 17	3 36.07	+ 3 12.5	2.311	3.273	4.7	20.3
11 27	3 28.39	+ 2 51.3	2.330	3.270	6.2	20.4
12 7	3 21.44	+ 2 43.9	2.377	3.266	8.7	20.5
12 17	3 15.83	+ 2 51.0	2.449	3.263	11.2	20.7
12 27	3 12.03	+ 3 11.9	2.543	3.259	13.4	20.9

62681 2000 TJ_{17} 11 18.3 59°.28 1°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.47	+17 40.1	1.926	2.791	12.2	19.4
10 28	3 52.62	+17 13.7	1.865	2.797	8.7	19.2
11 7	3 44.93	+16 42.6	1.829	2.803	4.7	19.0
11 17	3 36.22	+16 9.6	1.822	2.809	1.1	18.7
11 27	3 27.52	+15 38.1	1.843	2.816	4.1	18.9
12 7	3 19.85	+15 12.0	1.892	2.822	8.1	19.2
12 17	3 13.98	+14 54.4	1.967	2.829	11.6	19.4
12 27	3 10.45	+14 47.3	2.065	2.836	14.5	19.7

447632 2006 UW_{279} 11 18.3 359°.21 1°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.43	+18 11.0	1.749	2.618	13.1	21.7
10 28	3 52.80	+17 40.8	1.684	2.617	9.3	21.4
11 7	3 45.12	+17 4.7	1.643	2.617	5.0	21.2
11 17	3 36.25	+16 25.7	1.629	2.617	1.1	20.9
11 27	3 27.33	+15 48.1	1.643	2.617	4.4	21.2
12 7	3 19.50	+15 16.2	1.685	2.617	8.7	21.4
12 17	3 13.63	+14 53.8	1.752	2.618	12.5	21.7
12 27	3 10.30	+14 43.5	1.840	2.618	15.7	21.9

223527 2004 DS_{38} 11 18.3 203°.75 2°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.85	+25 47.0	1.654	2.503	14.7	20.4
10 28	3 57.72	+26 3.7	1.582	2.501	10.9	20.2
11 7	3 47.97	+26 8.8	1.534	2.498	6.6	19.9
11 17	3 36.59	+26 1.0	1.512	2.496	2.9	19.7
11 27	3 25.03	+25 41.8	1.519	2.493	4.6	19.8
12 7	3 14.72	+25 15.7	1.553	2.490	8.9	20.0
12 17	3 6.82	+24 48.4	1.613	2.486	13.0	20.3
12 27	3 2.05	+24 25.7	1.694	2.482	16.5	20.5

230450 2002 QT_{136} 11 18.3 21°.19 2°.4/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.98	+28 18.6	2.211	3.050	11.9	20.4
10 28	3 52.25	+28 8.0	2.140	3.052	8.8	20.2
11 7	3 44.74	+27 45.4	2.093	3.053	5.5	20.0
11 17	3 36.22	+27 11.3	2.073	3.055	2.7	19.8
11 27	3 27.66	+26 28.3	2.083	3.057	3.7	19.9
12 7	3 20.04	+25 40.5	2.122	3.059	6.9	20.1
12 17	3 14.14	+24 52.9	2.188	3.061	10.1	20.3
12 27	3 10.48	+24 10.2	2.278	3.063	12.9	20.5

208866 2002 SV_{70} 11 18.3 80°.43 0°.8/17.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.75	+18 25.0	1.747	2.612	13.3	21.0
10 28	3 54.35	+18 4.0	1.692	2.624	9.4	20.8
11 7	3 45.90	+17 37.7	1.662	2.635	5.1	20.5
11 17	3 36.35	+17 8.3	1.659	2.647	0.9	20.3
11 27	3 26.88	+16 39.5	1.685	2.659	4.3	20.5
12 7	3 18.60	+16 15.5	1.738	2.671	8.5	20.8
12 17	3 12.37	+15 59.5	1.817	2.682	12.2	21.1
12 27	3 8.72	+15 53.8	1.918	2.694	15.3	21.3

137934 2000 BO_{32} 11 18.3 321°.92 1°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.22	+23 59.5	1.723	2.581	13.8	19.7
10 28	3 54.24	+23 47.4	1.652	2.578	10.0	19.5
11 7	3 45.98	+23 24.4	1.605	2.575	5.8	19.2
11 17	3 36.38	+22 51.5	1.585	2.572	1.6	19.0
11 27	3 26.67	+22 12.1	1.593	2.570	4.0	19.1
12 7	3 18.12	+21 31.1	1.629	2.567	8.4	19.4
12 17	3 11.69	+20 54.0	1.691	2.565	12.4	19.6
12 27	3 8.03	+20 25.5	1.774	2.563	15.8	19.8

128237 2003 SZ_{151} 11 18.3 116°.56 0°.4/18.0 18

10 18	3 57.96	+19 20.5	2.516	3.369	10.2	20.5
10 28	3 51.90	+18 59.3	2.456	3.382	7.2	20.3
11 7	3 44.43	+18 33.4	2.422	3.394	3.9	20.1
11 17	3 36.20	+18 4.6	2.418	3.407	0.5	19.9
11 27	3 28.02	+17 35.4	2.445	3.419	3.1	20.1
12 7	3 20.66	+17 8.8	2.501	3.431	6.4	20.4
12 17	3 14.73	+16 47.4	2.585	3.442	9.3	20.6
12 27	3 10.68	+16 33.5	2.693	3.453	11.7	20.8

82917 2001 QK_{104} 11 18.3 82°.04 0°.7/18.7 18

10 18	4 0.29	+22 22.5	1.875	2.732	12.9	19.4
10 28	3 54.02	+22 10.9	1.813	2.739	9.3	19.2
11 7	3 45.75	+21 50.9	1.776	2.747	5.2	19.0
11 17	3 36.36	+21 23.7	1.767	2.754	1.0	18.7
11 27	3 26.97	+20 52.3	1.786	2.762	3.7	18.9
12 7	3 18.71	+20 21.0	1.834	2.770	7.8	19.2
12 17	3 12.40	+19 54.1	1.908	2.777	11.5	19.4
12 27	3 8.61	+19 35.1	2.004	2.785	14.5	19.7

163232 2002 ED_{135} 11 18.3 132°.25 2°.1/16.9 18

10 18	4 0.68	+15 27.0	2.008	2.869	12.0	20.4
10 28	3 54.03	+14 38.3	1.952	2.882	8.5	20.2
11 7	3 45.64	+13 46.4	1.922	2.894	4.7	20.0
11 17	3 36.34	+12 55.1	1.920	2.905	2.1	19.9
11 27	3 27.13	+12 8.6	1.949	2.916	4.7	20.1
12 7	3 18.99	+11 31.1	2.006	2.926	8.3	20.3
12 17	3 12.64	+11 5.5	2.089	2.936	11.6	20.5
12 27	3 8.58	+10 53.1	2.195	2.945	14.4	20.8

174054 2002 CC_{57} 11 18.3 335°.67 4°.9/16.3 18 R

10 18	4 0.27	+11 44.0	1.170	2.058	16.7	19.5
10 28	3 54.84	+10 47.4	1.111	2.052	12.1	19.2
11 7	3 46.52	+ 9 50.3	1.075	2.047	7.4	18.9
11 17	3 36.46	+ 8 59.5	1.062	2.043	4.9	18.8
11 27	3 26.28	+ 8 22.6	1.074	2.038	8.1	19.0
12 7	3 17.61	+ 8 5.1	1.110	2.035	12.9	19.2
12 17	3 11.65	+ 8 9.2	1.167	2.032	17.5	19.5
12 27	3 9.11	+ 8 34.4	1.241	2.029	21.4	19.7

272347 2005 SU_{145} 11 18.3 130°.82 1°.3/18.9 16

10 18	4 5.72	+23 26.4	1.902	2.747	13.3	21.9
10 28	3 57.80	+23 28.1	1.844	2.763	9.6	21.7
11 7	3 47.77	+23 20.5	1.811	2.779	5.5	21.5
11 17	3 36.59	+23 3.9	1.807	2.794	1.6	21.2
11 27	3 25.49	+22 40.8	1.833	2.808	3.8	21.4
12 7	3 15.65	+22 15.1	1.888	2.821	7.8	21.7
12 17	3 7.95	+21 51.4	1.970	2.834	11.4	21.9
12 27	3 2.95	+21 33.7	2.075	2.846	14.4	22.2

330230 2006 KH_{14} 11 18.3 202°.06 2°.1/17.1 17

10 18	3 57.89	+12 37.2	2.469	3.328	10.1	20.8
10 28	3 51.95	+12 27.4	2.399	3.327	7.2	20.6
11 7	3 44.52	+12 17.9	2.355	3.326	4.1	20.4
11 17	3 36.23	+12 10.5	2.341	3.324	2.1	20.3
11 27	3 27.88	+12 7.2	2.356	3.323	4.1	20.4
12 7	3 20.26	+12 10.0	2.401	3.321	7.2	20.6
12 17	3 14.02	+12 20.1	2.473	3.319	10.1	20.8
12 27	3 9.67	+12 38.2	2.569	3.317	12.5	21.0

274989 2009 TS_{11} 11 18.3 76°.96 1°.1/17.7 18

10 18	3 59.27	+16 25.6	2.134	2.995	11.4	20.5
10 28	3 52.98	+16 12.9	2.083	3.012	8.0	20.4
11 7	3 45.07	+15 57.6	2.057	3.029	4.4	20.2
11 17	3 36.29	+15 41.5	2.059	3.047	1.2	20.0
11 27	3 27.61	+15 27.2	2.092	3.064	3.8	20.2
12 7	3 19.90	+15 17.2	2.153	3.081	7.4	20.4
12 17	3 13.86	+15 13.7	2.241	3.098	10.5	20.7
12 27	3 9.97	+15 18.3	2.352	3.115	13.2	20.9

257250 2009 FF_{22} 11 18.3 54°.18 2°.7/19.1 18

10 18	4 6.36	+23 56.3	1.204	2.072	17.8	19.8
10 28	3 59.31	+24 30.5	1.152	2.081	13.1	19.6
11 7	3 49.01	+24 52.8	1.120	2.090	7.7	19.3
11 17	3 36.77	+25 1.3	1.113	2.099	2.9	19.0
11 27	3 24.49	+24 57.4	1.132	2.108	5.4	19.2
12 7	3 14.02	+24 45.9	1.177	2.118	10.6	19.6
12 17	3 6.69	+24 33.4	1.244	2.128	15.3	19.9
12 27	3 3.19	+24 25.9	1.331	2.138	19.2	20.1

191860 2004 WX_8 11 18.3 9°.48 1°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.50	+22 11.8	1.193	2.074	17.0	18.4
10 28	3 54.38	+22 20.2	1.139	2.076	12.3	18.1
11 7	3 46.30	+22 18.2	1.105	2.079	7.0	17.8
11 17	3 36.46	+22 6.2	1.095	2.083	1.7	17.5
11 27	3 26.55	+21 47.5	1.110	2.088	5.0	17.7
12 7	3 18.22	+21 27.5	1.150	2.095	10.3	18.1
12 17	3 12.71	+21 11.9	1.212	2.102	15.1	18.4
12 27	3 10.67	+21 5.3	1.294	2.111	19.1	18.7

416716 2005 CY_{28} 11 18.3 343°.33 9°.3/23.4 16

10 18	4 1.56	+43 18.4	1.810	2.595	16.3	20.7
10 28	3 55.83	+44 11.8	1.732	2.585	13.8	20.5
11 7	3 47.17	+44 42.0	1.675	2.576	11.4	20.4
11 17	3 36.57	+44 43.7	1.641	2.568	9.6	20.3
11 27	3 25.63	+44 15.5	1.632	2.560	9.4	20.2
12 7	3 16.01	+43 21.4	1.647	2.553	10.8	20.3
12 17	3 9.04	+42 9.4	1.687	2.547	13.2	20.4
12 27	3 5.52	+40 49.6	1.747	2.542	15.8	20.6

445746 2011 WL_{30} 11 18.3 24°.39 3°.3/20.0 17

10 18	3 59.85	+28 50.1	1.504	2.358	15.6	21.5
10 28	3 54.20	+28 42.0	1.445	2.365	11.7	21.3
11 7	3 46.03	+28 17.1	1.409	2.372	7.3	21.1
11 17	3 36.43	+27 35.7	1.397	2.379	3.6	20.9
11 27	3 26.86	+26 41.8	1.413	2.387	4.8	21.0
12 7	3 18.73	+25 42.2	1.455	2.396	8.9	21.2
12 17	3 13.06	+24 44.3	1.522	2.406	13.0	21.5
12 27	3 10.43	+23 54.6	1.610	2.416	16.4	21.7

61134 2000 NP_2 11 18.3 122°.47 4°.2/16.2 18

10 18	4 1.64	+ 9 44.4	1.728	2.595	13.3	19.5
10 28	3 54.94	+ 9 0.5	1.676	2.605	9.7	19.3
11 7	3 46.24	+ 8 19.1	1.649	2.615	6.0	19.1
11 17	3 36.46	+ 7 44.5	1.648	2.625	4.2	19.1
11 27	3 26.78	+ 7 21.1	1.677	2.635	6.5	19.2
12 7	3 18.28	+ 7 12.0	1.733	2.644	10.0	19.5
12 17	3 11.79	+ 7 18.0	1.813	2.652	13.4	19.7
12 27	3 7.85	+ 7 38.9	1.914	2.661	16.3	19.9

226454 2003 SC_{105} 11 18.3 11°.75 3°.6/20.7 18

10 18	3 58.41	+31 27.6	1.965	2.800	13.3	19.4
10 28	3 52.80	+31 13.5	1.895	2.802	10.2	19.2
11 7	3 45.15	+30 43.3	1.849	2.803	6.7	19.0
11 17	3 36.35	+29 57.3	1.829	2.806	3.9	18.8
11 27	3 27.54	+28 58.5	1.837	2.808	4.4	18.9
12 7	3 19.84	+27 52.5	1.874	2.811	7.6	19.1
12 17	3 14.11	+26 45.8	1.937	2.815	11.0	19.3
12 27	3 10.90	+25 44.5	2.024	2.818	13.9	19.5

322764 2001 FE_{20} 11 18.3 165°.72 4°.7/13.7 18

10 18	3 55.32	+ 2 1.6	3.217	4.062	8.4	21.8
10 28	3 49.79	+ 0 54.5	3.161	4.068	6.5	21.6
11 7	3 43.23	− 0 7.5	3.133	4.073	5.0	21.6
11 17	3 36.12	− 1 0.9	3.135	4.078	4.8	21.5
11 27	3 29.04	− 1 42.6	3.167	4.082	5.9	21.6
12 7	3 22.52	− 2 10.7	3.228	4.085	7.7	21.7
12 17	3 17.04	− 2 24.6	3.314	4.088	9.5	21.9
12 27	3 12.96	− 2 24.6	3.423	4.091	11.1	22.0

119412 2001 TE_{76} 11 18.3 107°.56 2°.6/16.9 18

10 18	4 0.68	+15 56.5	1.592	2.463	14.0	19.3
10 28	3 54.44	+14 54.4	1.535	2.470	9.9	19.0
11 7	3 46.04	+13 47.5	1.503	2.476	5.5	18.8
11 17	3 36.45	+12 40.8	1.498	2.483	2.6	18.6
11 27	3 26.95	+11 40.7	1.521	2.489	5.6	18.8
12 7	3 18.72	+10 52.8	1.572	2.496	9.9	19.1
12 17	3 12.66	+10 20.9	1.646	2.502	13.8	19.4
12 27	3 9.31	+10 6.5	1.742	2.508	17.0	19.6

409645 2005 XK_{81} 11 18.3 79°.06 0°.4/18.5 18

10 18	3 59.29	+21 25.6	2.066	2.921	11.9	21.3
10 28	3 53.18	+21 16.2	2.003	2.929	8.5	21.1
11 7	3 45.28	+20 59.9	1.966	2.937	4.7	20.9
11 17	3 36.37	+20 37.9	1.957	2.945	0.8	20.6
11 27	3 27.46	+20 12.8	1.977	2.953	3.5	20.9
12 7	3 19.54	+19 48.3	2.026	2.961	7.3	21.1
12 17	3 13.38	+19 27.8	2.102	2.969	10.7	21.4
12 27	3 9.51	+19 14.2	2.201	2.977	13.6	21.6

401450 2013 CR_{138} 11 18.3 56°.54 4°.0/16.2 18

10 18	3 58.80	+10 6.2	1.792	2.662	12.8	20.8
10 28	3 52.96	+ 9 22.4	1.734	2.665	9.2	20.6
11 7	3 45.20	+ 8 40.5	1.701	2.668	5.7	20.4
11 17	3 36.36	+ 8 4.7	1.694	2.671	4.1	20.3
11 27	3 27.53	+ 7 39.4	1.716	2.675	6.3	20.5
12 7	3 19.75	+ 7 27.8	1.765	2.678	9.8	20.7
12 17	3 13.83	+ 7 31.1	1.838	2.681	13.1	20.9
12 27	3 10.32	+ 7 49.3	1.932	2.684	16.0	21.1

414314 2008 RC_{114} 11 18.3 52°.77 4°.2/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.44	+32 15.0	2.207	3.030	12.5	21.1
10 28	3 54.14	+32 35.4	2.138	3.035	9.6	20.9
11 7	3 45.87	+32 42.2	2.093	3.040	6.7	20.7
11 17	3 36.45	+32 33.9	2.075	3.045	4.4	20.6
11 27	3 26.95	+32 11.6	2.086	3.050	4.8	20.6
12 7	3 18.45	+31 38.8	2.126	3.056	7.3	20.8
12 17	3 11.80	+31 0.7	2.192	3.061	10.2	21.0
12 27	3 7.60	+30 22.6	2.282	3.067	12.9	21.2

308787 2006 QE_{24} 11 18.3 35°.16 1°.1/18.8 18

10 18	3 59.92	+23 27.6	1.363	2.235	15.9	19.7
10 28	3 54.16	+23 8.5	1.321	2.253	11.4	19.5
11 7	3 45.94	+22 37.6	1.300	2.272	6.4	19.2
11 17	3 36.44	+21 57.1	1.305	2.292	1.5	19.0
11 27	3 27.16	+21 12.1	1.336	2.313	4.4	19.2
12 7	3 19.45	+20 28.7	1.393	2.335	9.2	19.6
12 17	3 14.25	+19 52.7	1.474	2.357	13.4	19.9
12 27	3 12.06	+19 28.1	1.576	2.379	16.9	20.2

48398 1981 EN_{19} 11 18.3 335°.14 1°.2/17.7 18

10 18	3 57.27	+18 35.1	1.512	2.389	14.3	18.6
10 28	3 52.38	+17 59.0	1.440	2.377	10.2	18.3
11 7	3 45.10	+17 15.3	1.392	2.367	5.6	18.0
11 17	3 36.37	+16 27.5	1.369	2.357	1.2	17.7
11 27	3 27.47	+15 40.7	1.373	2.348	4.9	18.0
12 7	3 19.71	+15 0.8	1.404	2.339	9.8	18.2
12 17	3 14.13	+14 32.5	1.458	2.332	14.1	18.5
12 27	3 11.42	+14 18.9	1.533	2.325	17.8	18.7

358271 2006 TF_{120} 11 18.3 308°.14 3°.8/16.2 15

10 18	3 58.57	+10 23.9	1.870	2.738	12.4	22.1
10 28	3 52.77	+ 9 41.6	1.807	2.738	9.0	21.9
11 7	3 45.10	+ 9 0.6	1.769	2.737	5.5	21.7
11 17	3 36.36	+ 8 25.0	1.759	2.736	3.8	21.6
11 27	3 27.59	+ 7 59.1	1.777	2.736	6.0	21.7
12 7	3 19.79	+ 7 46.0	1.822	2.735	9.5	21.9
12 17	3 13.79	+ 7 47.2	1.892	2.735	12.8	22.1
12 27	3 10.13	+ 8 3.0	1.983	2.734	15.7	22.3

369623 2011 DY_{5} 11 18.3 282°.34 7°.2/12.8 17

10 18	3 55.50	− 1 3.1	2.282	3.133	11.1	21.1
10 28	3 50.39	− 2 20.4	2.213	3.118	9.0	20.9
11 7	3 43.75	− 3 29.6	2.171	3.103	7.4	20.8
11 17	3 36.21	− 4 24.9	2.155	3.087	7.3	20.7
11 27	3 28.56	− 5 1.5	2.167	3.072	8.7	20.8
12 7	3 21.61	− 5 17.0	2.204	3.056	10.9	20.9
12 17	3 16.05	− 5 11.1	2.265	3.041	13.2	21.1
12 27	3 12.39	− 4 45.4	2.346	3.026	15.3	21.2

178809 2001 FF_{76} 11 18.3 96°.51 0°.3/18.4 18

10 18	4 6.35	+20 4.5	1.540	2.400	15.0	19.4
10 28	3 58.54	+20 9.8	1.492	2.420	10.7	19.2
11 7	3 48.28	+20 8.1	1.467	2.439	5.9	18.9
11 17	3 36.73	+20 0.0	1.470	2.458	0.8	18.6
11 27	3 25.33	+19 48.2	1.501	2.477	4.3	18.9
12 7	3 15.46	+19 36.7	1.560	2.495	9.0	19.3
12 17	3 8.10	+19 29.5	1.644	2.512	13.1	19.5
12 27	3 3.79	+19 29.8	1.749	2.530	16.4	19.8

65532 6389 *P–L* 11 18.3 43°.44 0°.9/18.8 18

10 18	3 59.43	+22 44.8	1.918	2.774	12.7	19.4
10 28	3 53.45	+22 37.2	1.853	2.778	9.1	19.2
11 7	3 45.50	+22 21.2	1.812	2.783	5.2	18.9
11 17	3 36.41	+21 57.7	1.799	2.787	1.2	18.7
11 27	3 27.30	+21 29.6	1.815	2.792	3.7	18.9
12 7	3 19.23	+21 0.8	1.860	2.796	7.7	19.1
12 17	3 13.06	+20 35.5	1.930	2.801	11.3	19.4
12 27	3 9.35	+20 17.2	2.023	2.806	14.3	19.6

398938 2013 CQ_{194} 11 18.3 336°.66 1°.1/17.8 18

10 18	3 59.89	+17 29.1	1.664	2.534	13.6	21.3
10 28	3 54.03	+17 14.8	1.597	2.530	9.7	21.1
11 7	3 45.92	+16 56.0	1.553	2.527	5.3	20.8
11 17	3 36.47	+16 34.7	1.536	2.524	1.1	20.5
11 27	3 26.91	+16 14.4	1.547	2.521	4.6	20.8
12 7	3 18.46	+15 58.9	1.585	2.519	9.0	21.0
12 17	3 12.09	+15 51.5	1.649	2.517	13.1	21.3
12 27	3 8.45	+15 54.7	1.733	2.515	16.4	21.5

91558 1999 RL_{226} 11 18.3 111°.09 2°.3/19.8 18

10 18	3 59.77	+27 35.1	2.169	3.008	12.1	19.6
10 28	3 53.55	+27 28.5	2.101	3.013	8.9	19.4
11 7	3 45.50	+27 10.4	2.057	3.019	5.5	19.2
11 17	3 36.42	+26 41.2	2.042	3.024	2.6	19.0
11 27	3 27.32	+26 3.2	2.056	3.030	3.7	19.1
12 7	3 19.21	+25 20.7	2.099	3.035	7.0	19.3
12 17	3 12.89	+24 38.5	2.170	3.040	10.2	19.6
12 27	3 8.89	+24 1.0	2.264	3.045	13.0	19.8

385726 2005 UQ_{302} 11 18.3 17°.17 3°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.52	+11 24.9	1.236	2.120	16.4	20.3
10 28	3 55.58	+11 15.9	1.184	2.123	11.8	20.0
11 7	3 46.88	+11 9.7	1.154	2.127	6.9	19.8
11 17	3 36.59	+11 9.8	1.148	2.132	3.7	19.6
11 27	3 26.27	+11 19.4	1.168	2.137	6.7	19.8
12 7	3 17.46	+11 40.9	1.213	2.144	11.5	20.1
12 17	3 11.30	+12 15.0	1.280	2.151	15.9	20.4
12 27	3 8.44	+13 1.0	1.367	2.158	19.5	20.6

450042 2015 RY_{22} 11 18.3 62°.60 0°.2/18.4 18

10 18	4 0.25	+21 14.2	1.714	2.577	13.6	21.3
10 28	3 54.12	+20 52.5	1.655	2.585	9.7	21.1
11 7	3 45.88	+20 22.5	1.621	2.594	5.3	20.9
11 17	3 36.47	+19 46.3	1.614	2.603	0.7	20.5
11 27	3 27.10	+19 7.8	1.636	2.612	4.0	20.8
12 7	3 18.94	+18 31.8	1.685	2.621	8.4	21.1
12 17	3 12.88	+18 2.7	1.759	2.630	12.2	21.4
12 27	3 9.46	+17 43.8	1.856	2.639	15.4	21.6

3293 Rontaylor 11 18.3 204°.98 0°.9/18.8 18

10 18	4 3.20	+22 47.6	1.871	2.722	13.2	18.3
10 28	3 56.27	+22 38.4	1.795	2.718	9.6	18.1
11 7	3 47.12	+22 20.0	1.744	2.714	5.4	17.8
11 17	3 36.63	+21 53.1	1.721	2.709	1.2	17.5
11 27	3 26.00	+21 20.6	1.728	2.704	3.9	17.7
12 7	3 16.45	+20 46.7	1.763	2.698	8.2	18.0
12 17	3 8.96	+20 16.4	1.825	2.691	12.1	18.2
12 27	3 4.15	+19 53.9	1.908	2.684	15.3	18.4

80367 1999 XX_{145} 11 18.3 42°.75 0°.7/18.0 18

10 18	4 2.79	+18 37.0	1.323	2.198	16.1	20.2
10 28	3 56.44	+18 25.4	1.267	2.202	11.5	19.9
11 7	3 47.35	+18 7.2	1.232	2.207	6.2	19.7
11 17	3 36.65	+17 44.6	1.223	2.212	0.9	19.3
11 27	3 25.94	+17 21.7	1.241	2.217	5.1	19.6
12 7	3 16.74	+17 3.4	1.284	2.222	10.3	19.9
12 17	3 10.18	+16 53.9	1.351	2.227	14.9	20.2
12 27	3 6.92	+16 56.2	1.438	2.233	18.6	20.5

281234 2007 JZ_{33} 11 18.3 167°.73 0°.0/18.3 18

10 18	4 2.52	+20 32.9	1.976	2.829	12.5	21.4
10 28	3 55.56	+20 14.0	1.908	2.834	8.9	21.2
11 7	3 46.63	+19 47.9	1.866	2.837	4.9	20.9
11 17	3 36.57	+19 16.4	1.852	2.840	0.6	20.6
11 27	3 26.48	+18 42.5	1.868	2.843	3.8	20.9
12 7	3 17.46	+18 10.5	1.913	2.845	7.9	21.1
12 17	3 10.36	+17 44.2	1.985	2.846	11.5	21.4
12 27	3 5.73	+17 26.9	2.079	2.847	14.5	21.6

376441 2012 HR_{39} 11 18.3 168°.58 0°.9/18.7 18

10 18	4 6.47	+21 29.4	1.706	2.559	14.2	21.2
10 28	3 58.71	+21 40.6	1.639	2.563	10.2	21.0
11 7	3 48.49	+21 44.1	1.597	2.566	5.8	20.7
11 17	3 36.80	+21 39.8	1.581	2.569	1.2	20.4
11 27	3 25.00	+21 29.5	1.596	2.571	4.2	20.6
12 7	3 14.46	+21 16.9	1.639	2.573	8.7	20.9
12 17	3 6.24	+21 6.3	1.708	2.574	12.8	21.2
12 27	3 1.02	+21 1.8	1.798	2.574	16.1	21.4

405326 2003 UM_{235} 11 18.3 21°.59 0°.0/18.3 17

10 18	3 57.49	+20 23.6	1.704	2.573	13.4	20.9
10 28	3 52.19	+20 8.8	1.649	2.581	9.5	20.7
11 7	3 44.85	+19 47.0	1.617	2.590	5.2	20.4
11 17	3 36.38	+19 20.2	1.612	2.600	0.6	20.1
11 27	3 27.94	+18 51.9	1.635	2.611	4.0	20.4
12 7	3 20.65	+18 26.2	1.685	2.622	8.3	20.7
12 17	3 15.35	+18 7.0	1.760	2.635	12.0	21.0
12 27	3 12.59	+17 57.1	1.857	2.647	15.2	21.2

97745 2000 HO_{43} 11 18.3 141°.20 0°.0/18.3 18

10 18	4 4.32	+21 8.9	1.341	2.211	16.3	21.0
10 28	3 57.56	+20 44.9	1.281	2.214	11.7	20.8
11 7	3 47.98	+20 10.4	1.244	2.217	6.4	20.5
11 17	3 36.76	+19 27.7	1.231	2.220	0.8	20.1
11 27	3 25.52	+18 41.9	1.246	2.222	4.9	20.4
12 7	3 15.84	+17 59.5	1.287	2.225	10.2	20.7
12 17	3 8.88	+17 26.7	1.352	2.227	14.9	21.0
12 27	3 5.29	+17 7.4	1.437	2.229	18.7	21.3

233938 2009 VM_{57} 11 18.3 58°.44 2°.1/17.7 18

10 18	4 4.86	+10 44.5	2.084	2.937	12.0	19.8
10 28	3 57.07	+11 21.9	2.025	2.949	8.6	19.6
11 7	3 47.41	+12 2.5	1.992	2.961	4.9	19.4
11 17	3 36.69	+12 46.5	1.989	2.974	2.1	19.2
11 27	3 25.95	+13 33.7	2.017	2.986	4.4	19.4
12 7	3 16.20	+14 23.9	2.076	2.999	7.9	19.6
12 17	3 8.28	+15 17.2	2.162	3.011	11.2	19.9
12 27	3 2.72	+16 13.7	2.272	3.024	13.9	20.1

144369 2004 DW_{48} 11 18.3 254°.54 1°.3/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.24	+24 5.5	1.939	2.791	12.7	20.1
10 28	3 54.13	+23 54.9	1.864	2.786	9.3	19.9
11 7	3 45.96	+23 34.3	1.813	2.781	5.4	19.7
11 17	3 36.54	+23 4.6	1.789	2.776	1.6	19.4
11 27	3 27.00	+22 28.4	1.795	2.771	3.7	19.5
12 7	3 18.46	+21 50.4	1.829	2.765	7.8	19.8
12 17	3 11.84	+21 15.1	1.889	2.760	11.5	20.0
12 27	3 7.74	+20 47.1	1.972	2.754	14.7	20.2

79949 1999 CF_{92} 11 18.3 232°.73 4°.0/20.5 18

10 18	4 2.56	+31 13.8	2.114	2.939	12.9	19.6
10 28	3 55.84	+31 34.6	2.033	2.933	9.9	19.4
11 7	3 46.94	+31 41.8	1.976	2.926	6.7	19.2
11 17	3 36.67	+31 33.8	1.947	2.920	4.3	19.1
11 27	3 26.19	+31 11.3	1.946	2.912	4.8	19.1
12 7	3 16.69	+30 37.9	1.974	2.905	7.7	19.2
12 17	3 9.14	+29 59.0	2.029	2.898	10.9	19.4
12 27	3 4.22	+29 20.4	2.107	2.890	13.9	19.6

262224 2006 SO_{267} 11 18.3 162°.34 1°.4/19.2 18

10 18	4 0.34	+24 50.9	2.097	2.943	12.1	21.1
10 28	3 54.01	+24 34.7	2.026	2.946	8.8	20.9
11 7	3 45.80	+24 8.4	1.981	2.948	5.1	20.7
11 17	3 36.52	+23 32.9	1.964	2.950	1.6	20.4
11 27	3 27.22	+22 51.3	1.977	2.952	3.5	20.6
12 7	3 18.91	+22 7.8	2.018	2.954	7.2	20.8
12 17	3 12.41	+21 27.2	2.087	2.955	10.7	21.0
12 27	3 8.26	+20 53.7	2.179	2.957	13.6	21.2

151568 2002 TP_{189} 11 18.3 73°.61 2°.7/19.7 18

10 18	4 4.29	+27 57.0	1.372	2.227	16.8	19.4
10 28	3 57.39	+27 35.2	1.322	2.243	12.4	19.2
11 7	3 47.78	+26 55.7	1.294	2.260	7.5	19.0
11 17	3 36.74	+25 59.8	1.292	2.276	3.1	18.8
11 27	3 25.94	+24 53.0	1.317	2.293	4.8	18.9
12 7	3 16.88	+23 43.5	1.368	2.309	9.4	19.2
12 17	3 10.60	+22 39.6	1.444	2.325	13.7	19.5
12 27	3 7.61	+21 47.7	1.541	2.342	17.3	19.8

87492 2000 QP_{158} 11 18.3 192°.39 0°.2/18.4 18

10 18	3 59.20	+21 50.7	2.408	3.256	10.7	19.9
10 28	3 52.99	+21 19.0	2.332	3.255	7.7	19.7
11 7	3 45.18	+20 39.7	2.282	3.253	4.2	19.5
11 17	3 36.45	+19 54.7	2.262	3.250	0.6	19.2
11 27	3 27.70	+19 7.1	2.272	3.247	3.2	19.5
12 7	3 19.77	+18 21.1	2.312	3.244	6.7	19.7
12 17	3 13.37	+17 40.3	2.381	3.240	9.9	19.9
12 27	3 9.00	+17 7.9	2.473	3.236	12.6	20.1

50111 2000 AA_{116} 11 18.3 200°.46 4°.2/21.2 18

10 18	4 2.43	+33 54.0	2.173	2.987	12.9	19.0
10 28	3 55.62	+33 45.9	2.093	2.985	10.1	18.8
11 7	3 46.74	+33 21.1	2.037	2.982	7.0	18.6
11 17	3 36.64	+32 38.6	2.008	2.978	4.5	18.5
11 27	3 26.49	+31 40.8	2.009	2.974	4.8	18.5
12 7	3 17.42	+30 32.6	2.039	2.970	7.5	18.7
12 17	3 10.32	+29 20.7	2.096	2.965	10.6	18.8
12 27	3 5.78	+28 11.8	2.177	2.960	13.5	19.0

279485 2010 XE_{4} 11 18.3 157°.28 2°.6/20.3 18

10 18	3 59.20	+29 59.7	2.577	3.401	10.8	20.8
10 28	3 52.95	+29 43.2	2.503	3.406	8.1	20.6
11 7	3 45.13	+29 14.9	2.455	3.410	5.2	20.4
11 17	3 36.45	+28 35.0	2.436	3.414	2.8	20.3
11 27	3 27.77	+27 46.1	2.447	3.418	3.4	20.3
12 7	3 19.97	+26 52.0	2.488	3.422	6.2	20.5
12 17	3 13.71	+25 57.3	2.558	3.425	9.0	20.7
12 27	3 9.48	+25 6.6	2.652	3.428	11.5	20.9

517487 2014 QG_{176} 11 18.3 126°.76 0°.8/17.8 18

10 18	3 58.38	+17 54.5	2.372	3.228	10.6	22.2
10 28	3 52.34	+17 29.5	2.309	3.237	7.5	22.0
11 7	3 44.79	+17 0.4	2.273	3.246	4.0	21.8
11 17	3 36.42	+16 29.4	2.267	3.254	0.9	21.6
11 27	3 28.07	+15 59.3	2.290	3.263	3.5	21.8
12 7	3 20.57	+15 33.2	2.343	3.271	6.9	22.0
12 17	3 14.57	+15 13.8	2.424	3.279	9.9	22.2
12 27	3 10.54	+15 2.9	2.527	3.286	12.5	22.4

225266 2009 RN_{47} 11 18.3 100°.94 0°.3/18.2 18

10 18	4 4.57	+20 20.4	1.574	2.436	14.7	20.7
10 28	3 57.20	+19 52.1	1.526	2.455	10.4	20.5
11 7	3 47.55	+19 15.7	1.502	2.474	5.6	20.3
11 17	3 36.74	+18 33.8	1.505	2.493	0.7	20.0
11 27	3 26.13	+17 51.0	1.536	2.511	4.4	20.3
12 7	3 17.01	+17 12.8	1.596	2.529	9.0	20.6
12 17	3 10.27	+16 43.6	1.680	2.546	13.0	20.9
12 27	3 6.41	+16 26.5	1.786	2.563	16.2	21.2

219946 2002 GP_{158} 11 18.3 58°.20 1°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.49	+15 40.5	1.985	2.847	12.1	19.2
10 28	3 54.06	+15 45.8	1.929	2.859	8.6	19.0
11 7	3 45.81	+15 49.4	1.898	2.871	4.7	18.8
11 17	3 36.54	+15 52.5	1.895	2.883	1.2	18.6
11 27	3 27.29	+15 56.9	1.922	2.895	4.0	18.8
12 7	3 19.06	+16 4.7	1.978	2.908	7.8	19.1
12 17	3 12.63	+16 17.6	2.060	2.920	11.2	19.3
12 27	3 8.52	+16 37.1	2.164	2.933	14.0	19.5

113861 2002 TZ_{254} 11 18.3 8°.52 4°.9/15.9 18

10 18	3 56.96	+10 20.9	1.415	2.299	14.7	19.1
10 28	3 52.06	+ 9 19.4	1.362	2.300	10.7	18.9
11 7	3 44.89	+ 8 19.6	1.332	2.302	6.7	18.6
11 17	3 36.44	+ 7 27.7	1.328	2.305	5.0	18.5
11 27	3 28.01	+ 6 50.1	1.349	2.308	7.5	18.7
12 7	3 20.82	+ 6 30.9	1.396	2.313	11.5	18.9
12 17	3 15.83	+ 6 31.8	1.464	2.318	15.3	19.2
12 27	3 13.60	+ 6 51.8	1.552	2.324	18.5	19.4

22759 1998 XA_{4} 11 18.3 22°.15 1°.1/18.6 18

10 18	4 3.61	+19 41.5	1.091	1.974	18.1	16.1
10 28	3 57.51	+20 24.3	1.043	1.982	13.0	15.8
11 7	3 48.14	+21 1.1	1.017	1.991	7.3	15.6
11 17	3 36.84	+21 30.1	1.013	2.001	1.5	15.2
11 27	3 25.50	+21 51.9	1.035	2.012	5.3	15.5
12 7	3 15.98	+22 9.5	1.081	2.025	10.9	15.9
12 17	3 9.60	+22 27.0	1.149	2.038	15.8	16.2
12 27	3 7.04	+22 48.5	1.236	2.053	19.8	16.5

515538 2014 GJ_{30} 11 18.3 230°.34 0°.8/17.9 18

10 18	4 0.98	+18 35.4	2.024	2.882	12.1	22.2
10 28	3 54.58	+18 9.3	1.944	2.872	8.6	21.9
11 7	3 46.20	+17 37.4	1.889	2.861	4.7	21.7
11 17	3 36.62	+17 1.7	1.863	2.851	0.9	21.4
11 27	3 26.89	+16 25.6	1.866	2.839	4.0	21.6
12 7	3 18.06	+15 53.3	1.898	2.828	8.1	21.8
12 17	3 11.02	+15 28.5	1.957	2.816	11.8	22.0
12 27	3 6.38	+15 14.1	2.038	2.803	14.9	22.2

152695 1998 RN_{15} 11 18.3 120°.89 0°.6/17.9 18

10 18	3 58.26	+18 46.0	2.364	3.220	10.6	21.2
10 28	3 52.27	+18 22.7	2.302	3.229	7.5	21.0
11 7	3 44.77	+17 54.8	2.265	3.237	4.1	20.8
11 17	3 36.44	+17 24.2	2.257	3.246	0.7	20.5
11 27	3 28.13	+16 53.7	2.280	3.254	3.4	20.8
12 7	3 20.67	+16 26.5	2.332	3.262	6.8	21.0
12 17	3 14.71	+16 5.5	2.412	3.270	9.9	21.2
12 27	3 10.73	+15 52.6	2.515	3.277	12.4	21.4

485245 2010 VZ_{106} 11 18.3 353°.02 3°.7/19.6 17

10 18	4 3.74	+27 5.3	1.795	2.639	14.0	20.7
10 28	3 56.99	+28 1.2	1.723	2.636	10.6	20.5
11 7	3 47.72	+28 47.1	1.675	2.634	6.8	20.2
11 17	3 36.82	+29 20.1	1.654	2.632	3.9	20.1
11 27	3 25.62	+29 39.3	1.661	2.631	5.0	20.1
12 7	3 15.49	+29 46.9	1.697	2.630	8.6	20.3
12 17	3 7.58	+29 47.0	1.758	2.630	12.2	20.6
12 27	3 2.63	+29 45.2	1.841	2.630	15.3	20.8

521908 2015 TC_{386} 11 18.3 350°.67 5°.2/20.8 17

10 18	4 0.13	+31 56.8	1.634	2.475	15.3	20.8
10 28	3 54.62	+32 28.0	1.563	2.469	11.9	20.6
11 7	3 46.48	+32 42.8	1.513	2.464	8.3	20.3
11 17	3 36.67	+32 38.4	1.488	2.460	5.5	20.2
11 27	3 26.63	+32 15.6	1.490	2.457	6.0	20.2
12 7	3 17.82	+31 39.0	1.519	2.454	9.2	20.4
12 17	3 11.40	+30 55.4	1.571	2.452	12.8	20.6
12 27	3 8.12	+30 12.2	1.645	2.451	16.1	20.8

147055 2002 RU_{101} 11 18.3 39°.78 1°.1/18.7 18

10 18	4 4.81	+21 22.3	0.998	1.882	19.3	18.7
10 28	3 58.15	+21 35.6	0.968	1.907	13.8	18.5
11 7	3 48.30	+21 37.9	0.959	1.933	7.6	18.3
11 17	3 36.86	+21 30.1	0.972	1.960	1.5	18.0
11 27	3 25.86	+21 16.0	1.010	1.988	5.3	18.4
12 7	3 17.06	+21 1.6	1.072	2.017	10.9	18.8
12 17	3 11.55	+20 52.4	1.156	2.046	15.7	19.1
12 27	3 9.80	+20 52.4	1.259	2.076	19.5	19.5

44523 1998 YR_{3} 11 18.3 232°.42 5°.2/15.7 18

10 18	3 59.40	+ 5 45.0	1.905	2.768	12.4	19.0
10 28	3 53.38	+ 5 7.6	1.843	2.767	9.3	18.8
11 7	3 45.50	+ 4 36.0	1.807	2.766	6.4	18.6
11 17	3 36.57	+ 4 14.3	1.797	2.764	5.2	18.5
11 27	3 27.59	+ 4 6.2	1.815	2.763	7.1	18.6
12 7	3 19.56	+ 4 13.8	1.861	2.761	10.1	18.8
12 17	3 13.29	+ 4 37.3	1.931	2.760	13.2	19.0
12 27	3 9.33	+ 5 15.3	2.022	2.758	15.9	19.2

316368 2010 SQ_{27} 11 18.3 40.°94 0.°8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.73	+22 22.8	1.829	2.688	13.1	21.2
10 28	3 53.78	+22 14.1	1.766	2.693	9.4	21.0
11 7	3 45.77	+21 56.9	1.728	2.699	5.3	20.8
11 17	3 36.61	+21 32.4	1.717	2.704	1.1	20.5
11 27	3 27.42	+21 3.7	1.734	2.710	3.8	20.7
12 7	3 19.33	+20 34.7	1.779	2.717	7.9	21.0
12 17	3 13.22	+20 9.9	1.851	2.723	11.6	21.2
12 27	3 9.65	+19 52.7	1.944	2.730	14.8	21.4

229301 2005 ED_{42} 11 18.3 278.°30 0.°7/17.9 18

10 18	3 57.25	+18 21.2	2.336	3.194	10.6	21.3
10 28	3 51.75	+17 58.9	2.252	3.181	7.6	21.1
11 7	3 44.61	+17 31.8	2.195	3.168	4.1	20.9
11 17	3 36.48	+17 1.9	2.166	3.154	0.8	20.6
11 27	3 28.19	+16 31.9	2.167	3.141	3.5	20.8
12 7	3 20.64	+16 5.1	2.198	3.128	7.1	21.0
12 17	3 14.55	+15 44.6	2.255	3.114	10.4	21.2
12 27	3 10.47	+15 32.8	2.336	3.101	13.2	21.4

407595 2011 AR_{76} 11 18.3 323.°65 4.°7/15.9 18

10 18	3 57.76	+ 6 17.9	2.039	2.903	11.7	20.4
10 28	3 52.16	+ 5 47.6	1.973	2.898	8.7	20.2
11 7	3 44.84	+ 5 22.4	1.932	2.893	5.9	20.0
11 17	3 36.50	+ 5 6.0	1.919	2.888	4.7	19.9
11 27	3 28.09	+ 5 1.5	1.934	2.884	6.5	20.0
12 7	3 20.53	+ 5 10.9	1.976	2.880	9.5	20.2
12 17	3 14.57	+ 5 34.6	2.044	2.876	12.5	20.4
12 27	3 10.77	+ 6 11.6	2.133	2.872	15.1	20.6

363273 2002 GP_{52} 11 18.3 187.°82 3.°2/15.9 18

10 18	3 56.78	+10 55.6	2.506	3.366	9.9	21.3
10 28	3 51.18	+ 9 58.1	2.439	3.366	7.2	21.1
11 7	3 44.19	+ 9 0.5	2.399	3.365	4.4	20.9
11 17	3 36.44	+ 8 6.6	2.388	3.364	3.2	20.8
11 27	3 28.67	+ 7 20.3	2.407	3.362	5.0	21.0
12 7	3 21.64	+ 6 44.8	2.456	3.360	7.8	21.1
12 17	3 15.94	+ 6 22.0	2.531	3.358	10.5	21.3
12 27	3 12.03	+ 6 12.7	2.628	3.356	12.8	21.5

513287 2006 XU_{47} 11 18.3 341.°15 3.°8/20.0 18

10 18	4 0.34	+28 44.7	1.204	2.070	17.9	21.1
10 28	3 55.32	+28 40.9	1.137	2.062	13.5	20.8
11 7	3 47.08	+28 17.1	1.090	2.055	8.6	20.5
11 17	3 36.81	+27 32.5	1.066	2.049	4.2	20.3
11 27	3 26.31	+26 31.2	1.067	2.043	5.6	20.3
12 7	3 17.43	+25 21.8	1.093	2.038	10.6	20.6
12 17	3 11.52	+24 14.4	1.141	2.034	15.6	20.9
12 27	3 9.36	+23 17.6	1.208	2.031	19.8	21.1

191155 2002 JO_{36} 11 18.3 173.°74 2.°1/16.7 18

10 18	3 56.88	+12 57.1	2.945	3.799	8.8	20.8
10 28	3 51.08	+12 20.6	2.877	3.802	6.3	20.7
11 7	3 44.08	+11 43.2	2.836	3.805	3.6	20.5
11 17	3 36.43	+11 7.5	2.825	3.807	2.1	20.4
11 27	3 28.76	+10 36.2	2.846	3.808	3.8	20.5
12 7	3 21.74	+10 11.5	2.896	3.809	6.4	20.7
12 17	3 15.88	+ 9 55.3	2.975	3.809	8.9	20.9
12 27	3 11.59	+ 9 48.6	3.077	3.809	11.0	21.0

157059 2003 SR_{188} 11 18.3 110.°73 0.°1/18.3 18

10 18	3 59.03	+19 11.6	2.288	3.143	11.0	19.8
10 28	3 52.96	+19 8.5	2.220	3.147	7.8	19.6
11 7	3 45.24	+19 1.0	2.179	3.151	4.3	19.4
11 17	3 36.57	+18 50.0	2.166	3.154	0.5	19.1
11 27	3 27.85	+18 37.7	2.183	3.158	3.3	19.3
12 7	3 19.98	+18 26.7	2.230	3.162	6.9	19.6
12 17	3 13.67	+18 19.5	2.304	3.166	10.1	19.8
12 27	3 9.44	+18 18.4	2.401	3.169	12.8	20.0

322289 2011 FY_{37} 11 18.3 134.°94 3.°2/20.0 18

10 18	4 4.47	+28 54.3	1.711	2.551	14.7	20.7
10 28	3 57.37	+28 53.5	1.646	2.558	11.0	20.5
11 7	3 47.83	+28 37.4	1.605	2.565	7.0	20.3
11 17	3 36.89	+28 5.5	1.591	2.572	3.5	20.1
11 27	3 25.96	+27 20.7	1.605	2.578	4.6	20.2
12 7	3 16.38	+26 28.8	1.647	2.584	8.5	20.4
12 17	3 9.18	+25 36.6	1.715	2.590	12.3	20.7
12 27	3 4.97	+24 50.5	1.806	2.595	15.6	20.9

518286 2017 AV_{6} 11 18.3 16.°51 3.°5/20.2 18

10 18	4 1.24	+29 21.5	1.762	2.604	14.3	20.8
10 28	3 55.11	+29 25.6	1.693	2.605	10.8	20.6
11 7	3 46.62	+29 14.8	1.648	2.607	6.9	20.4
11 17	3 36.75	+28 48.6	1.628	2.608	3.8	20.2
11 27	3 26.80	+28 9.2	1.637	2.609	4.7	20.3
12 7	3 18.06	+27 21.9	1.673	2.611	8.3	20.5
12 17	3 11.53	+26 33.0	1.735	2.613	12.0	20.7
12 27	3 7.84	+25 48.9	1.820	2.615	15.2	20.9

77557 2001 JR_{8} 11 18.3 47.°54 5.°3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.55	+30 30.2	1.250	2.103	18.3	18.1
10 28	3 58.82	+31 3.8	1.200	2.115	13.9	17.9
11 7	3 48.86	+31 17.7	1.170	2.128	9.3	17.7
11 17	3 37.02	+31 9.2	1.164	2.141	5.6	17.5
11 27	3 25.23	+30 40.0	1.184	2.154	6.4	17.6
12 7	3 15.31	+29 57.2	1.229	2.168	10.4	17.9
12 17	3 8.55	+29 9.9	1.297	2.182	14.7	18.2
12 27	3 5.57	+28 26.7	1.384	2.197	18.3	18.5

296845 2009 WG_{88} 11 18.3 159.°00 0.°0/18.3 18

10 18	3 57.15	+21 25.2	2.552	3.402	10.1	21.0
10 28	3 51.47	+20 48.5	2.481	3.405	7.2	20.9
11 7	3 44.37	+20 5.1	2.437	3.408	3.9	20.7
11 17	3 36.48	+19 17.0	2.422	3.411	0.5	20.4
11 27	3 28.59	+18 27.5	2.438	3.413	3.0	20.6
12 7	3 21.48	+17 40.2	2.484	3.415	6.3	20.8
12 17	3 15.77	+16 58.7	2.558	3.417	9.3	21.0
12 27	3 11.91	+16 25.7	2.656	3.419	11.8	21.2

48692 1996 GE_{20} 11 18.3 82.°17 0.°6/18.1 18

10 18	4 1.13	+18 23.0	1.812	2.675	13.0	17.8
10 28	3 54.76	+18 15.5	1.751	2.680	9.3	17.6
11 7	3 46.33	+18 3.2	1.713	2.686	5.0	17.3
11 17	3 36.73	+17 47.6	1.704	2.692	0.7	17.0
11 27	3 27.10	+17 31.5	1.723	2.698	4.1	17.3
12 7	3 18.57	+17 18.4	1.771	2.704	8.3	17.6
12 17	3 12.02	+17 11.3	1.844	2.710	12.0	17.8
12 27	3 8.04	+17 12.7	1.939	2.715	15.1	18.0

95723 2003 CP_{13} 11 18.3 136.°26 3.°3/19.9 18

10 18	4 6.63	+28 21.6	1.955	2.786	13.5	19.6
10 28	3 58.69	+28 44.5	1.893	2.799	10.1	19.4
11 7	3 48.49	+28 54.8	1.854	2.811	6.5	19.2
11 17	3 36.99	+28 51.2	1.844	2.823	3.5	19.0
11 27	3 25.48	+28 34.8	1.863	2.834	4.5	19.1
12 7	3 15.19	+28 9.5	1.912	2.844	7.8	19.3
12 17	3 7.09	+27 40.6	1.987	2.854	11.2	19.6
12 27	3 1.79	+27 13.7	2.086	2.863	14.2	19.8

273653 2007 DA_{81} 11 18.3 134.°38 0.°6/18.7 18

10 18	4 4.08	+22 4.2	1.903	2.754	13.0	21.3
10 28	3 56.74	+21 52.5	1.844	2.767	9.4	21.1
11 7	3 47.36	+21 32.5	1.809	2.779	5.2	20.8
11 17	3 36.86	+21 5.2	1.803	2.791	1.0	20.6
11 27	3 26.42	+20 33.9	1.826	2.802	3.7	20.8
12 7	3 17.17	+20 2.6	1.879	2.812	7.8	21.1
12 17	3 9.96	+19 35.8	1.958	2.822	11.5	21.3
12 27	3 5.35	+19 16.9	2.060	2.832	14.5	21.5

2527 Gregory 11 18.3 36.°20 1.°7/17.6 18

10 18	4 0.45	+17 42.2	1.206	2.090	16.6	16.1
10 28	3 54.79	+17 4.6	1.164	2.104	11.8	15.9
11 7	3 46.47	+16 20.9	1.143	2.119	6.4	15.6
11 17	3 36.75	+15 35.5	1.147	2.135	1.7	15.4
11 27	3 27.22	+14 54.7	1.177	2.151	5.6	15.7
12 7	3 19.35	+14 24.0	1.232	2.169	10.7	16.0
12 17	3 14.15	+14 7.5	1.309	2.186	15.1	16.3
12 27	3 12.14	+14 6.7	1.405	2.205	18.7	16.6

85732 1998 SJ_{82} 11 18.4 348.°27 2.°0/17.1 18

10 18	3 56.85	+15 50.2	2.068	2.934	11.5	19.2
10 28	3 51.52	+15 2.6	2.001	2.933	8.1	19.0
11 7	3 44.50	+14 11.3	1.959	2.931	4.5	18.8
11 17	3 36.52	+13 19.8	1.945	2.930	2.0	18.6
11 27	3 28.51	+12 32.5	1.961	2.930	4.5	18.8
12 7	3 21.39	+11 53.4	2.005	2.929	8.1	19.0
12 17	3 15.89	+11 25.7	2.075	2.928	11.4	19.2
12 27	3 12.52	+11 11.1	2.167	2.928	14.2	19.4

167115 2003 SU_{85} 11 18.4 136.°38 6.°3/21.6 18

10 18	4 7.43	+36 45.4	2.014	2.814	14.3	20.3
10 28	3 59.52	+37 31.4	1.948	2.823	11.5	20.1
11 7	3 49.07	+37 59.5	1.904	2.831	8.6	19.9
11 17	3 37.08	+38 6.1	1.887	2.840	6.6	19.8
11 27	3 24.95	+37 50.8	1.898	2.847	6.7	19.9
12 7	3 14.10	+37 17.7	1.937	2.855	8.8	20.0
12 17	3 5.60	+36 33.3	2.003	2.861	11.5	20.2
12 27	3 0.15	+35 45.3	2.091	2.868	14.1	20.4

203958 2003 SS_{94} 11 18.4 50.°39 5.°0/21.1 18

10 18	4 3.32	+33 0.5	1.457	2.297	16.9	19.8
10 28	3 56.79	+33 0.8	1.408	2.314	13.0	19.6
11 7	3 47.55	+32 39.9	1.380	2.332	8.8	19.4
11 17	3 36.89	+31 57.0	1.376	2.350	5.5	19.3
11 27	3 26.41	+30 56.0	1.399	2.368	5.8	19.4
12 7	3 17.64	+29 44.8	1.449	2.387	9.3	19.6
12 17	3 11.61	+28 32.5	1.523	2.406	13.0	19.9
12 27	3 8.83	+27 27.1	1.619	2.425	16.3	20.1

278565 2008 GY_{126} 11 18.4 72°.01 5°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.69	+ 8 15.1	1.363	2.237	15.7	20.1
10 28	3 56.78	+ 7 42.4	1.321	2.253	11.5	19.9
11 7	3 47.46	+ 7 15.4	1.302	2.269	7.3	19.7
11 17	3 36.88	+ 6 58.9	1.308	2.285	5.2	19.6
11 27	3 26.48	+ 6 56.8	1.342	2.301	7.6	19.8
12 7	3 17.61	+ 7 11.1	1.400	2.317	11.5	20.1
12 17	3 11.23	+ 7 41.5	1.482	2.332	15.3	20.3
12 27	3 7.86	+ 8 26.3	1.584	2.348	18.4	20.6

155120 2005 TW_{64} 11 18.4 286°.78 3°.9/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.47	+28 46.6	1.498	2.348	15.9	20.3
10 28	3 57.30	+29 0.8	1.417	2.333	12.1	20.0
11 7	3 48.14	+28 59.2	1.357	2.318	7.8	19.7
11 17	3 37.00	+28 39.7	1.322	2.302	4.2	19.5
11 27	3 25.45	+28 3.7	1.314	2.287	5.4	19.5
12 7	3 15.15	+27 16.8	1.332	2.272	9.8	19.7
12 17	3 7.46	+26 26.8	1.375	2.256	14.3	20.0
12 27	3 3.24	+25 41.8	1.438	2.241	18.2	20.2

301442 2009 DB_{81} 11 18.4 152°.92 2°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.02	+13 36.5	1.856	2.724	12.5	20.4
10 28	3 53.18	+12 47.1	1.793	2.725	8.9	20.1
11 7	3 45.45	+11 55.8	1.754	2.726	5.2	19.9
11 17	3 36.65	+11 6.6	1.744	2.726	2.9	19.8
11 27	3 27.83	+10 24.4	1.762	2.727	5.4	19.9
12 7	3 20.03	+ 9 53.3	1.808	2.728	9.1	20.2
12 17	3 14.05	+ 9 35.9	1.879	2.728	12.6	20.4
12 27	3 10.45	+ 9 33.4	1.972	2.729	15.5	20.6

27179 1999 BJ_{10} 11 18.4 1°.34 1°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.54	+23 20.8	1.687	2.548	13.9	17.7
10 28	3 53.86	+23 3.2	1.620	2.548	10.1	17.4
11 7	3 45.95	+22 35.1	1.577	2.547	5.7	17.2
11 17	3 36.72	+21 58.0	1.560	2.547	1.3	16.9
11 27	3 27.42	+21 15.5	1.571	2.548	4.0	17.1
12 7	3 19.29	+20 33.0	1.610	2.549	8.4	17.3
12 17	3 13.27	+19 55.6	1.674	2.550	12.5	17.6
12 27	3 9.98	+19 27.9	1.759	2.551	15.8	17.8

142803 2002 UM_{27} 11 18.4 105°.84 0°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.04	+22 39.1	1.748	2.598	14.0	20.4
10 28	3 58.05	+22 6.0	1.702	2.625	10.0	20.2
11 7	3 47.99	+21 22.9	1.681	2.651	5.5	20.0
11 17	3 36.94	+20 32.5	1.688	2.676	0.8	19.7
11 27	3 26.18	+19 39.2	1.725	2.700	3.9	20.0
12 7	3 16.87	+18 48.8	1.791	2.724	8.2	20.3
12 17	3 9.84	+18 6.2	1.883	2.746	11.9	20.6
12 27	3 5.53	+17 35.0	1.998	2.768	14.9	20.8

61097 2000 LT_{28} 11 18.4 97°.04 20°.7/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.41	−23 54.1	1.180	1.970	23.0	18.5
10 28	3 59.01	−25 42.4	1.162	1.978	21.6	18.5
11 7	3 48.75	−26 45.7	1.160	1.985	20.8	18.4
11 17	3 37.03	−26 53.8	1.174	1.992	20.9	18.5
11 27	3 25.67	−26 3.7	1.204	2.000	21.7	18.6
12 7	3 16.24	−24 21.0	1.251	2.007	23.0	18.7
12 17	3 9.79	−21 56.3	1.312	2.014	24.5	18.8
12 27	3 6.81	−19 2.3	1.386	2.020	25.9	19.0

48047 Houghten 11 18.4 213°.42 2°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.62	+24 45.0	1.555	2.408	15.3	19.6
10 28	3 58.53	+25 4.9	1.484	2.406	11.3	19.4
11 7	3 48.67	+25 13.9	1.436	2.403	6.7	19.1
11 17	3 37.06	+25 10.7	1.415	2.400	2.6	18.8
11 27	3 25.22	+24 56.6	1.422	2.397	4.7	19.0
12 7	3 14.69	+24 35.9	1.456	2.393	9.3	19.2
12 17	3 6.69	+24 14.5	1.514	2.390	13.6	19.5
12 27	3 1.96	+23 57.9	1.594	2.386	17.2	19.7

12980 1978 VO_{3} 11 18.4 61°.44 0°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.86	+19 42.9	1.232	2.108	16.9	18.5
10 28	3 57.11	+19 6.6	1.193	2.129	12.0	18.2
11 7	3 47.68	+18 21.8	1.175	2.150	6.5	18.0
11 17	3 36.91	+17 32.4	1.183	2.171	1.0	17.7
11 27	3 26.46	+16 44.6	1.217	2.193	5.2	18.1
12 7	3 17.81	+16 4.8	1.277	2.215	10.3	18.4
12 17	3 11.93	+15 37.8	1.360	2.236	14.8	18.7
12 27	3 9.33	+15 26.0	1.463	2.258	18.3	19.0

42754 1998 SN_{60} 11 18.4 49°.03 1°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.18	+16 30.3	2.022	2.887	11.8	18.5
10 28	3 52.47	+16 8.0	1.962	2.893	8.3	18.3
11 7	3 45.03	+15 42.4	1.928	2.901	4.6	18.1
11 17	3 36.61	+15 16.1	1.921	2.908	1.4	17.9
11 27	3 28.20	+14 52.2	1.943	2.915	4.1	18.1
12 7	3 20.74	+14 33.8	1.994	2.923	7.8	18.4
12 17	3 14.98	+14 23.5	2.071	2.930	11.1	18.6
12 27	3 11.43	+14 23.1	2.170	2.938	14.0	18.8

184400 2005 MG_{12} 11 18.4 161°.24 0°.8/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.54	+23 5.0	1.908	2.756	13.1	22.0
10 28	3 57.14	+22 45.9	1.842	2.763	9.5	21.8
11 7	3 47.62	+22 17.0	1.800	2.769	5.3	21.5
11 17	3 36.93	+21 39.7	1.787	2.775	1.1	21.2
11 27	3 26.24	+20 57.3	1.804	2.780	3.8	21.5
12 7	3 16.72	+20 14.7	1.850	2.784	7.9	21.7
12 17	3 9.28	+19 36.9	1.923	2.787	11.7	22.0
12 27	3 4.46	+19 7.8	2.019	2.790	14.8	22.2

227146 2005 PB_{3} 11 18.4 84°.83 2°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.47	+16 6.5	1.478	2.347	15.1	20.9
10 28	3 57.18	+15 31.9	1.437	2.370	10.6	20.7
11 7	3 47.61	+14 53.7	1.419	2.393	5.8	20.5
11 17	3 36.91	+14 15.7	1.428	2.415	2.0	20.3
11 27	3 26.48	+13 42.7	1.466	2.437	5.3	20.6
12 7	3 17.58	+13 19.0	1.530	2.459	9.7	20.9
12 17	3 11.11	+13 7.5	1.619	2.480	13.6	21.2
12 27	3 7.55	+13 9.5	1.728	2.501	16.8	21.5

126838 2002 EZ_{64} 11 18.4 169°.46 0°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.87	+21 25.8	2.312	3.164	11.0	20.4
10 28	3 52.87	+21 8.5	2.241	3.165	7.9	20.2
11 7	3 45.23	+20 44.5	2.196	3.167	4.3	20.0
11 17	3 36.64	+20 15.1	2.180	3.168	0.6	19.7
11 27	3 28.01	+19 43.2	2.193	3.169	3.2	19.9
12 7	3 20.23	+19 12.0	2.236	3.170	6.8	20.2
12 17	3 14.01	+18 45.1	2.307	3.170	10.0	20.4
12 27	3 9.87	+18 25.4	2.401	3.171	12.7	20.6

396339 2014 DE_{65} 11 18.4 133°.91 2°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.15	+14 25.6	2.149	3.007	11.4	22.1
10 28	3 54.42	+13 58.0	2.091	3.019	8.1	21.9
11 7	3 46.03	+13 28.7	2.060	3.031	4.5	21.7
11 17	3 36.74	+13 0.5	2.058	3.043	2.0	21.5
11 27	3 27.51	+12 36.4	2.086	3.054	4.4	21.7
12 7	3 19.24	+12 19.4	2.143	3.064	7.8	21.9
12 17	3 12.67	+12 11.5	2.227	3.074	11.0	22.2
12 27	3 8.27	+12 14.0	2.333	3.083	13.6	22.4

384781 2012 PY_{13} 11 18.4 104°.71 4°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.95	+30 35.9	1.633	2.471	15.4	20.7
10 28	3 57.82	+30 40.4	1.574	2.482	11.7	20.5
11 7	3 48.13	+30 27.6	1.537	2.493	7.7	20.3
11 17	3 37.00	+29 56.6	1.526	2.503	4.4	20.1
11 27	3 25.92	+29 10.3	1.543	2.513	5.1	20.2
12 7	3 16.31	+28 14.8	1.587	2.524	8.8	20.4
12 17	3 9.23	+27 17.7	1.657	2.533	12.5	20.7
12 27	3 5.27	+26 26.2	1.749	2.543	15.8	20.9

167403 2003 WK_{116} 11 18.4 52°.98 1°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.92	+25 9.8	1.496	2.356	15.4	19.8
10 28	3 55.58	+24 53.3	1.448	2.374	11.2	19.6
11 7	3 46.85	+24 23.7	1.423	2.392	6.5	19.4
11 17	3 36.86	+23 42.7	1.424	2.410	2.1	19.1
11 27	3 27.05	+22 54.7	1.452	2.429	4.3	19.3
12 7	3 18.74	+22 6.0	1.507	2.448	8.8	19.6
12 17	3 12.87	+21 22.6	1.587	2.467	12.8	19.9
12 27	3 9.96	+20 49.3	1.689	2.486	16.2	20.2

517538 2014 SF_{156} 11 18.4 79°.88 0°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.05	+21 13.1	2.243	3.095	11.2	21.6
10 28	3 52.93	+20 58.3	2.188	3.112	8.0	21.4
11 7	3 45.22	+20 37.1	2.158	3.129	4.4	21.2
11 17	3 36.67	+20 11.1	2.157	3.146	0.6	21.0
11 27	3 28.19	+19 42.9	2.186	3.162	3.2	21.2
12 7	3 20.65	+19 16.0	2.245	3.179	6.7	21.5
12 17	3 14.74	+18 53.3	2.330	3.195	9.9	21.7
12 27	3 10.92	+18 37.7	2.440	3.211	12.5	21.9

26481 2000 AS_{200} 11 18.4 341°.96 10°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.75	− 1 5.8	1.389	2.261	15.6	17.2
10 28	3 52.05	− 2 39.1	1.336	2.253	12.7	17.0
11 7	3 45.04	− 3 59.0	1.305	2.245	10.6	16.9
11 17	3 36.67	− 4 56.1	1.298	2.238	10.3	16.9
11 27	3 28.20	− 5 22.9	1.314	2.231	12.2	17.0
12 7	3 20.92	− 5 17.1	1.353	2.226	15.1	17.1
12 17	3 15.80	− 4 40.4	1.412	2.221	18.2	17.3
12 27	3 13.48	− 3 37.5	1.487	2.217	20.9	17.5

108300 2001 HR_{67} 11 18.4 207°.80 3°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.25	+13 8.3	2.041	2.905	11.7	20.5
10 28	3 53.26	+12 11.2	1.971	2.901	8.4	20.3
11 7	3 45.50	+11 12.0	1.928	2.897	4.9	20.1
11 17	3 36.72	+10 14.9	1.912	2.893	3.0	19.9
11 27	3 27.89	+ 9 24.8	1.927	2.889	5.3	20.1
12 7	3 19.97	+ 8 45.8	1.969	2.884	8.8	20.3
12 17	3 13.73	+ 8 20.8	2.038	2.879	12.1	20.5
12 27	3 9.70	+ 8 11.0	2.128	2.873	14.9	20.7

514961 2009 BZ_{58} 11 18.4 295°.86 8°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.11	− 1 35.7	1.708	2.561	14.1	21.6
10 28	3 54.80	− 2 16.1	1.650	2.558	11.3	21.4
11 7	3 46.42	− 2 43.0	1.615	2.554	9.0	21.3
11 17	3 36.83	− 2 50.8	1.606	2.550	8.3	21.2
11 27	3 27.18	− 2 35.9	1.623	2.546	9.8	21.3
12 7	3 18.60	− 1 57.6	1.665	2.543	12.5	21.5
12 17	3 11.98	− 0 58.1	1.731	2.539	15.4	21.7
12 27	3 7.92	+ 0 18.7	1.816	2.535	18.0	21.9

356685 2011 UT_{111} 11 18.4 298°.74 1°.5/19.4 18

10 18	3 59.53	+26 53.3	1.797	2.647	13.7	20.2
10 28	3 53.82	+26 4.2	1.719	2.639	10.1	19.9
11 7	3 45.94	+24 59.4	1.664	2.632	5.9	19.7
11 17	3 36.78	+23 41.1	1.638	2.624	1.9	19.4
11 27	3 27.56	+22 14.7	1.640	2.616	3.9	19.5
12 7	3 19.47	+20 47.5	1.670	2.609	8.2	19.8
12 17	3 13.43	+19 27.1	1.727	2.602	12.2	20.0
12 27	3 10.04	+18 19.3	1.807	2.594	15.6	20.2

389411 2010 AU_{39} 11 18.4 302°.33 4°.0/20.2 18

10 18	4 2.13	+29 24.6	1.462	2.314	16.2	20.6
10 28	3 56.41	+29 31.8	1.380	2.297	12.3	20.3
11 7	3 47.72	+29 21.6	1.320	2.280	8.0	20.1
11 17	3 37.04	+28 52.3	1.284	2.264	4.4	19.8
11 27	3 25.96	+28 5.9	1.275	2.248	5.5	19.8
12 7	3 16.16	+27 8.4	1.291	2.232	9.9	20.0
12 17	3 8.98	+26 8.5	1.332	2.217	14.4	20.3
12 27	3 5.28	+25 14.7	1.393	2.202	18.4	20.5

289864 2005 MG_{14} 11 18.4 277°.51 5°.5/15.3 18

10 18	3 59.41	+ 6 18.4	1.896	2.760	12.4	20.8
10 28	3 53.64	+ 5 24.9	1.815	2.739	9.4	20.6
11 7	3 45.86	+ 4 34.9	1.758	2.717	6.5	20.4
11 17	3 36.80	+ 3 53.6	1.728	2.695	5.5	20.3
11 27	3 27.49	+ 3 26.1	1.727	2.673	7.5	20.4
12 7	3 19.00	+ 3 15.8	1.752	2.650	10.8	20.5
12 17	3 12.23	+ 3 24.2	1.802	2.627	14.1	20.7
12 27	3 7.84	+ 3 50.6	1.871	2.604	17.1	20.8

351439 2005 HD_{2} 11 18.4 190°.25 1°.8/17.2 18

10 18	3 59.70	+15 15.7	2.337	3.194	10.7	22.1
10 28	3 53.42	+14 38.4	2.265	3.193	7.6	21.9
11 7	3 45.54	+13 58.3	2.220	3.191	4.2	21.7
11 17	3 36.75	+13 18.0	2.203	3.189	1.8	21.6
11 27	3 27.92	+12 41.1	2.218	3.186	4.1	21.7
12 7	3 19.90	+12 10.8	2.262	3.182	7.5	21.9
12 17	3 13.39	+11 49.9	2.333	3.179	10.6	22.1
12 27	3 8.90	+11 40.0	2.427	3.174	13.2	22.3

224903 2007 CW_{59} 11 18.4 349°.29 1°.1/17.9 18

10 18	3 57.38	+19 26.4	1.079	1.971	17.5	19.6
10 28	3 53.23	+18 51.1	1.019	1.963	12.6	19.3
11 7	3 46.00	+18 5.3	0.978	1.955	6.9	18.9
11 17	3 36.84	+17 13.1	0.961	1.949	1.2	18.5
11 27	3 27.49	+16 21.7	0.968	1.945	5.8	18.8
12 7	3 19.69	+15 38.8	0.998	1.941	11.7	19.1
12 17	3 14.75	+15 10.9	1.049	1.939	16.9	19.4
12 27	3 13.42	+15 1.1	1.118	1.939	21.2	19.7

351423 2005 GL_{45} 11 18.4 257°.49 0°.0/18.4 18

10 18	4 2.73	+19 1.3	1.928	2.784	12.6	21.3
10 28	3 56.09	+19 10.0	1.845	2.771	9.1	21.1
11 7	3 47.25	+19 14.3	1.787	2.759	5.0	20.8
11 17	3 37.00	+19 14.5	1.757	2.746	0.6	20.4
11 27	3 26.46	+19 12.2	1.757	2.733	3.9	20.7
12 7	3 16.82	+19 10.1	1.786	2.719	8.2	20.9
12 17	3 9.08	+19 11.3	1.841	2.706	12.1	21.1
12 27	3 3.92	+19 18.6	1.918	2.692	15.3	21.3

516560 Annapolisroyal 11 18.4 242°.70 6°.9/13.3 18

10 18	3 57.67	+ 0 41.4	2.184	3.036	11.5	21.7
10 28	3 52.07	− 0 39.6	2.117	3.026	9.1	21.5
11 7	3 44.86	− 1 53.5	2.076	3.014	7.3	21.4
11 17	3 36.69	− 2 54.2	2.063	3.003	7.1	21.4
11 27	3 28.43	− 3 36.6	2.078	2.991	8.6	21.5
12 7	3 20.95	− 3 57.9	2.119	2.979	11.0	21.6
12 17	3 14.94	− 3 57.6	2.183	2.967	13.4	21.7
12 27	3 10.96	− 3 37.3	2.268	2.954	15.6	21.9

276619 2003 UT_{113} 11 18.4 44°.33 3°.2/17.1 18

10 18	4 0.48	+10 34.4	1.772	2.640	13.0	19.8
10 28	3 54.11	+10 25.9	1.733	2.664	9.3	19.6
11 7	3 45.92	+10 20.2	1.719	2.688	5.5	19.5
11 17	3 36.81	+10 19.6	1.732	2.713	3.2	19.4
11 27	3 27.87	+10 26.6	1.773	2.738	5.4	19.6
12 7	3 20.11	+10 42.6	1.842	2.764	8.9	19.8
12 17	3 14.29	+11 7.9	1.937	2.789	12.1	20.1
12 27	3 10.85	+11 42.5	2.053	2.815	14.8	20.3

46564 1991 RA_{11} 11 18.4 309°.90 5°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.26	+34 8.2	2.175	2.987	13.0	17.0
10 28	3 56.63	+35 3.8	2.090	2.975	10.4	16.8
11 7	3 47.64	+35 46.3	2.028	2.964	7.6	16.6
11 17	3 37.06	+36 12.0	1.994	2.952	5.7	16.5
11 27	3 26.08	+36 19.7	1.987	2.941	6.0	16.5
12 7	3 15.95	+36 11.3	2.009	2.930	8.3	16.6
12 17	3 7.76	+35 51.6	2.057	2.919	11.1	16.8
12 27	3 2.31	+35 26.6	2.129	2.909	13.8	17.0

42219 2001 DY_{59} 11 18.4 97°.74 2°.1/19.6 18

10 18	4 3.77	+26 31.2	1.867	2.710	13.6	19.3
10 28	3 56.58	+26 21.8	1.814	2.730	9.9	19.1
11 7	3 47.32	+26 0.2	1.785	2.749	5.9	18.9
11 17	3 36.99	+25 27.1	1.784	2.769	2.4	18.7
11 27	3 26.80	+24 45.6	1.813	2.788	3.9	18.9
12 7	3 17.91	+24 1.0	1.870	2.806	7.7	19.1
12 17	3 11.15	+23 18.4	1.954	2.824	11.2	19.4
12 27	3 7.04	+22 42.8	2.060	2.842	14.2	19.6

388418 2006 XX_{49} 11 18.4 10°.51 5°.5/16.9 18

10 18	3 57.34	+ 9 46.6	0.881	1.787	19.1	19.4
10 28	3 53.30	+ 9 23.7	0.841	1.790	13.9	19.1
11 7	3 46.01	+ 9 7.1	0.820	1.794	8.5	18.8
11 17	3 36.85	+ 9 2.8	0.820	1.802	5.5	18.7
11 27	3 27.72	+ 9 15.7	0.841	1.811	8.6	18.9
12 7	3 20.45	+ 9 47.4	0.884	1.822	13.7	19.2
12 17	3 16.28	+10 37.0	0.947	1.835	18.5	19.6
12 27	3 15.83	+11 41.6	1.026	1.849	22.5	19.9

193202 2000 QE_{155} 11 18.4 72°.58 1°.4/19.1 18

10 18	4 2.89	+24 35.3	1.515	2.374	15.3	20.1
10 28	3 56.32	+24 14.9	1.462	2.388	11.1	19.9
11 7	3 47.32	+23 41.8	1.432	2.401	6.3	19.7
11 17	3 37.00	+22 57.7	1.428	2.415	1.8	19.4
11 27	3 26.82	+22 7.1	1.452	2.429	4.3	19.6
12 7	3 18.10	+21 16.5	1.503	2.443	8.9	19.9
12 17	3 11.83	+20 31.9	1.579	2.456	13.0	20.2
12 27	3 8.56	+19 58.1	1.677	2.470	16.4	20.5

284259 2006 GC_{29} 11 18.4 59°.36 0°.8/18.0 18

10 18	4 1.12	+18 43.1	1.635	2.502	13.9	21.0
10 28	3 54.98	+18 21.5	1.574	2.506	9.9	20.7
11 7	3 46.60	+17 53.8	1.537	2.510	5.4	20.5
11 17	3 36.93	+17 22.4	1.526	2.515	0.9	20.2
11 27	3 27.24	+16 51.2	1.544	2.519	4.4	20.4
12 7	3 18.77	+16 24.7	1.589	2.524	9.0	20.7
12 17	3 12.45	+16 6.7	1.659	2.528	13.0	21.0
12 27	3 8.87	+16 0.0	1.751	2.533	16.3	21.2

156848 2003 CJ_{13} 11 18.4 247°.05 0°.4/18.6 18

10 18	4 2.69	+21 46.2	1.719	2.577	13.8	21.4
10 28	3 56.25	+21 30.9	1.640	2.567	10.0	21.2
11 7	3 47.40	+21 6.4	1.585	2.556	5.6	20.9
11 17	3 37.05	+20 33.8	1.556	2.545	0.9	20.5
11 27	3 26.47	+19 56.6	1.557	2.533	4.1	20.8
12 7	3 16.97	+19 19.6	1.585	2.521	8.8	21.0
12 17	3 9.62	+18 48.0	1.640	2.509	13.0	21.2
12 27	3 5.13	+18 26.3	1.715	2.497	16.6	21.4

444547 2006 ST_{266} 11 18.4 16°.73 3°.0/19.9 17

10 18	4 1.35	+27 42.7	1.743	2.590	14.2	21.3
10 28	3 55.25	+27 52.7	1.675	2.591	10.6	21.1
11 7	3 46.81	+27 49.5	1.631	2.593	6.7	20.8
11 17	3 36.97	+27 32.6	1.614	2.595	3.3	20.6
11 27	3 27.03	+27 3.9	1.624	2.597	4.5	20.7
12 7	3 18.27	+26 28.3	1.662	2.600	8.3	21.0
12 17	3 11.71	+25 51.3	1.725	2.603	12.0	21.2
12 27	3 7.98	+25 18.7	1.810	2.606	15.3	21.4

288839 2004 RR_{197} 11 18.4 12°.98 5°.6/21.7 17

10 18	4 1.26	+35 30.6	1.927	2.743	14.3	20.2
10 28	3 55.19	+35 51.6	1.857	2.745	11.3	20.0
11 7	3 46.78	+35 54.5	1.809	2.747	8.3	19.9
11 17	3 36.98	+35 37.3	1.787	2.749	5.9	19.7
11 27	3 27.07	+35 1.2	1.793	2.751	6.0	19.7
12 7	3 18.34	+34 10.6	1.826	2.754	8.4	19.9
12 17	3 11.79	+33 12.5	1.884	2.757	11.4	20.1
12 27	3 8.06	+32 14.2	1.966	2.761	14.3	20.3

195555 2002 JR_{68} 11 18.4 183°.99 0°.3/18.5 18

10 18	4 4.19	+20 4.7	2.258	3.103	11.4	20.9
10 28	3 56.79	+20 14.2	2.183	3.104	8.2	20.7
11 7	3 47.49	+20 18.6	2.134	3.104	4.6	20.5
11 17	3 37.07	+20 18.2	2.114	3.103	0.7	20.2
11 27	3 26.52	+20 14.4	2.126	3.101	3.4	20.4
12 7	3 16.86	+20 9.6	2.168	3.099	7.1	20.7
12 17	3 8.90	+20 6.6	2.238	3.096	10.5	20.9
12 27	3 3.25	+20 8.2	2.332	3.093	13.3	21.1

460237 2014 QV_{252} 11 18.4 55°.34 10°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.60	−10 13.1	2.165	2.989	12.7	20.7
10 28	3 51.24	−11 33.5	2.126	2.993	11.0	20.6
11 7	3 44.37	−12 36.7	2.111	2.998	10.1	20.6
11 17	3 36.68	−13 17.0	2.120	3.002	10.1	20.6
11 27	3 29.04	−13 30.8	2.154	3.007	11.2	20.6
12 7	3 22.26	−13 17.7	2.211	3.012	12.8	20.8
12 17	3 16.98	−12 39.8	2.289	3.017	14.5	20.9
12 27	3 13.67	−11 40.9	2.385	3.022	16.0	21.1

400928 2010 UA_{43} 11 18.4 37°.59 2°.1/19.2 18

10 18	4 3.64	+23 26.4	1.765	2.617	13.8	20.8
10 28	3 56.82	+24 6.5	1.703	2.624	10.1	20.6
11 7	3 47.67	+24 38.7	1.666	2.632	6.0	20.4
11 17	3 37.11	+25 1.6	1.655	2.640	2.4	20.2
11 27	3 26.43	+25 15.3	1.674	2.649	4.2	20.3
12 7	3 16.92	+25 22.3	1.721	2.658	8.2	20.6
12 17	3 9.58	+25 26.4	1.794	2.667	11.9	20.8
12 27	3 5.06	+25 31.6	1.889	2.676	15.1	21.1

6790 Pingouin 11 18.4 94°.69 3°.7/16.3 18 R

10 18	4 3.33	+13 41.3	1.540	2.410	14.5	17.1
10 28	3 56.29	+12 20.4	1.499	2.432	10.3	16.9
11 7	3 47.17	+10 57.9	1.483	2.453	6.0	16.7
11 17	3 37.02	+ 9 40.2	1.494	2.475	3.8	16.6
11 27	3 27.17	+ 8 34.2	1.534	2.495	6.5	16.8
12 7	3 18.77	+ 7 45.4	1.600	2.516	10.4	17.1
12 17	3 12.63	+ 7 16.1	1.691	2.535	14.0	17.4
12 27	3 9.22	+ 7 6.4	1.803	2.555	17.0	17.6

217560 2007 OG 11 18.4 143°.11 1°.9/19.6 18

10 18	4 2.58	+27 19.8	1.922	2.763	13.3	20.6
10 28	3 55.79	+26 44.8	1.855	2.770	9.8	20.4
11 7	3 46.96	+25 55.9	1.813	2.778	5.8	20.2
11 17	3 37.01	+24 54.6	1.799	2.784	2.2	20.0
11 27	3 27.14	+23 45.3	1.815	2.791	3.8	20.1
12 7	3 18.46	+22 34.2	1.860	2.797	7.7	20.3
12 17	3 11.83	+21 27.6	1.932	2.802	11.3	20.6
12 27	3 7.78	+20 30.9	2.027	2.807	14.4	20.8

248787 2006 SD_{57} 11 18.4 99°.36 3°.1/19.9 18

10 18	4 3.94	+28 9.6	1.985	2.821	13.2	20.9
10 28	3 56.80	+28 30.6	1.925	2.834	9.9	20.7
11 7	3 47.55	+28 39.6	1.890	2.848	6.3	20.5
11 17	3 37.09	+28 35.5	1.882	2.861	3.4	20.4
11 27	3 26.63	+28 19.7	1.903	2.874	4.3	20.5
12 7	3 17.32	+27 56.0	1.953	2.887	7.6	20.7
12 17	3 10.08	+27 29.2	2.030	2.900	10.9	20.9
12 27	3 5.46	+27 4.4	2.130	2.912	13.7	21.2

307541 2003 DH_{15} 11 18.4 313°.91 0°.3/18.5 17

10 18	4 2.86	+18 35.3	1.712	2.574	13.7	20.2
10 28	3 56.52	+19 7.8	1.629	2.558	9.9	19.9
11 7	3 47.66	+19 37.7	1.571	2.543	5.5	19.7
11 17	3 37.14	+20 4.1	1.540	2.528	0.8	19.3
11 27	3 26.19	+20 27.6	1.537	2.513	4.2	19.5
12 7	3 16.19	+20 49.5	1.562	2.499	8.9	19.8
12 17	3 8.28	+21 12.2	1.613	2.485	13.1	20.0
12 27	3 3.26	+21 38.7	1.686	2.472	16.6	20.2

452650 2005 UG_{228} 11 18.4 53°.98 0°.7/18.0 18

10 18	4 0.28	+18 5.0	1.796	2.661	13.0	21.0
10 28	3 54.15	+17 53.3	1.744	2.675	9.2	20.8
11 7	3 46.06	+17 37.1	1.716	2.689	5.0	20.5
11 17	3 36.91	+17 18.3	1.716	2.704	0.9	20.3
11 27	3 27.82	+17 0.0	1.744	2.719	4.0	20.5
12 7	3 19.88	+16 45.5	1.801	2.734	8.1	20.8
12 17	3 13.90	+16 37.7	1.883	2.749	11.8	21.1
12 27	3 10.39	+16 38.8	1.987	2.765	14.7	21.3

352492 2008 CL_5 11 18.4 238°.11 6°.0/14.4 18

10 18	3 57.95	+ 3 42.7	2.098	2.957	11.6	20.7
10 28	3 52.33	+ 2 35.1	2.033	2.951	8.9	20.5
11 7	3 45.05	+ 1 33.2	1.993	2.944	6.7	20.3
11 17	3 36.79	+ 0 42.2	1.981	2.936	6.1	20.3
11 27	3 28.47	+ 0 6.9	1.997	2.929	7.7	20.4
12 7	3 20.96	− 0 9.7	2.040	2.921	10.4	20.5
12 17	3 15.02	− 0 7.0	2.108	2.913	13.1	20.7
12 27	3 11.15	+ 0 13.8	2.195	2.905	15.5	20.9

116528 2004 BA_{52} 11 18.4 205°.20 6°.0/21.6 18

10 18	4 6.26	+35 34.5	1.659	2.478	16.1	20.0
10 28	3 59.12	+35 49.2	1.585	2.476	12.8	19.8
11 7	3 49.10	+35 42.5	1.533	2.473	9.2	19.6
11 17	3 37.31	+35 11.4	1.505	2.470	6.5	19.4
11 27	3 25.35	+34 17.4	1.505	2.467	6.6	19.4
12 7	3 14.85	+33 6.7	1.532	2.463	9.5	19.6
12 17	3 7.04	+31 48.7	1.585	2.459	13.1	19.8
12 27	3 2.62	+30 32.9	1.659	2.455	16.5	20.0

405673 2005 UX_{189} 11 18.4 62°.37 0°.1/18.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.02	+20 53.0	1.805	2.664	13.2	21.3
10 28	3 54.54	+20 23.2	1.763	2.691	9.3	21.1
11 7	3 46.18	+19 46.1	1.745	2.717	5.1	20.9
11 17	3 36.92	+19 4.3	1.755	2.744	0.6	20.6
11 27	3 27.88	+18 21.9	1.794	2.770	3.8	20.9
12 7	3 20.09	+17 43.5	1.862	2.796	7.8	21.2
12 17	3 14.31	+17 12.9	1.956	2.823	11.4	21.5
12 27	3 10.98	+16 52.7	2.071	2.849	14.2	21.8

212217 2005 GL_{215} 11 18.4 173°.74 1°.2/19.3 18

10 18	4 0.92	+25 41.7	2.357	3.195	11.3	20.8
10 28	3 54.35	+25 9.9	2.283	3.198	8.2	20.6
11 7	3 46.11	+24 27.7	2.235	3.200	4.8	20.4
11 17	3 36.93	+23 36.3	2.216	3.202	1.5	20.2
11 27	3 27.75	+22 39.1	2.228	3.203	3.2	20.3
12 7	3 19.50	+21 40.6	2.270	3.204	6.7	20.5
12 17	3 12.89	+20 45.6	2.340	3.204	9.9	20.7
12 27	3 8.43	+19 58.3	2.434	3.204	12.6	20.9

254796 2005 QJ_{86} 11 18.4 54°.41 2°.1/19.6 18

10 18	4 0.21	+26 27.5	1.905	2.752	13.1	20.3
10 28	3 54.19	+26 19.1	1.842	2.760	9.7	20.1
11 7	3 46.13	+25 59.0	1.803	2.767	5.8	19.9
11 17	3 36.94	+25 27.6	1.791	2.775	2.4	19.6
11 27	3 27.75	+24 48.1	1.808	2.783	3.8	19.8
12 7	3 19.68	+24 5.0	1.853	2.791	7.6	20.0
12 17	3 13.57	+23 23.6	1.924	2.799	11.1	20.2
12 27	3 9.98	+22 48.5	2.019	2.808	14.2	20.5

260330 2004 TH_{204} 11 18.4 312°.82 0°.2/18.3 18

10 18	3 57.48	+21 46.7	2.085	2.943	11.8	20.2
10 28	3 52.10	+20 58.1	2.010	2.938	8.4	19.9
11 7	3 44.96	+20 0.3	1.961	2.933	4.6	19.7
11 17	3 36.80	+18 56.3	1.939	2.928	0.6	19.4
11 27	3 28.59	+17 50.6	1.948	2.923	3.6	19.6
12 7	3 21.30	+16 48.4	1.985	2.918	7.5	19.9
12 17	3 15.67	+15 54.6	2.049	2.914	11.0	20.1
12 27	3 12.24	+15 12.5	2.136	2.909	14.0	20.3

48583 1994 PE_{35} 11 18.4 4°.89 2°.7/17.3 18

10 18	3 58.49	+16 0.5	1.103	1.996	17.2	17.8
10 28	3 53.84	+15 18.6	1.051	1.995	12.3	17.5
11 7	3 46.27	+14 31.6	1.019	1.995	6.8	17.3
11 17	3 36.97	+13 44.7	1.010	1.997	2.7	17.0
11 27	3 27.63	+13 5.1	1.026	2.000	6.5	17.3
12 7	3 19.87	+12 38.9	1.066	2.003	11.9	17.6
12 17	3 14.88	+12 29.9	1.127	2.008	16.7	17.9
12 27	3 13.32	+12 39.2	1.205	2.015	20.6	18.1

399751 2005 GR_{148} 11 18.4 175°.11 2°.3/16.8 18

10 18	3 59.69	+13 18.0	2.443	3.299	10.3	22.7
10 28	3 53.36	+12 38.4	2.376	3.302	7.4	22.5
11 7	3 45.53	+11 57.5	2.335	3.304	4.3	22.3
11 17	3 36.87	+11 18.2	2.324	3.306	2.3	22.2
11 27	3 28.20	+10 43.9	2.343	3.307	4.4	22.3
12 7	3 20.32	+10 17.6	2.392	3.307	7.4	22.5
12 17	3 13.88	+10 1.4	2.469	3.307	10.3	22.7
12 27	3 9.36	+ 9 56.4	2.568	3.306	12.8	22.9

59011 1998 SD_{71} 11 18.4 60°.19 0°.6/18.2 18

10 18	4 4.76	+19 1.5	1.203	2.080	17.2	19.3
10 28	3 58.23	+18 49.3	1.148	2.084	12.3	19.0
11 7	3 48.65	+18 29.5	1.114	2.088	6.8	18.7
11 17	3 37.27	+18 4.2	1.104	2.093	0.9	18.4
11 27	3 25.85	+17 37.9	1.121	2.097	5.3	18.7
12 7	3 16.10	+17 16.2	1.163	2.102	10.9	19.0
12 17	3 9.27	+17 4.1	1.227	2.106	15.8	19.3
12 27	3 6.03	+17 4.8	1.310	2.111	19.8	19.6

473157 2015 KH_{26} 11 18.4 204°.63 1°.0/18.9 18

10 18	4 3.97	+23 24.3	1.790	2.641	13.7	22.1
10 28	3 57.06	+23 11.4	1.715	2.637	10.0	21.8
11 7	3 47.82	+22 48.1	1.664	2.633	5.7	21.6
11 17	3 37.18	+22 15.4	1.641	2.629	1.4	21.3
11 27	3 26.39	+21 36.2	1.647	2.623	4.0	21.4
12 7	3 16.74	+20 55.6	1.682	2.618	8.4	21.7
12 17	3 9.23	+20 18.9	1.743	2.612	12.4	21.9
12 27	3 4.52	+19 50.8	1.825	2.605	15.8	22.1

398880 2013 CW_{76} 11 18.4 27°.08 4°.1/16.4 18

10 18	3 59.40	+10 26.9	1.660	2.532	13.5	20.8
10 28	3 53.67	+ 9 44.6	1.602	2.535	9.8	20.6
11 7	3 45.89	+ 9 4.0	1.569	2.538	6.0	20.4
11 17	3 36.93	+ 8 29.6	1.563	2.541	4.1	20.3
11 27	3 27.97	+ 8 6.0	1.584	2.544	6.4	20.4
12 7	3 20.11	+ 7 56.5	1.631	2.548	10.2	20.6
12 17	3 14.25	+ 8 2.5	1.703	2.552	13.7	20.9
12 27	3 10.94	+ 8 23.7	1.795	2.556	16.7	21.1

302561 2002 PB_3 11 18.4 80°.48 5°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.98	+37 2.8	1.807	2.616	15.4	20.3
10 28	3 57.66	+36 47.8	1.752	2.637	12.1	20.2
11 7	3 48.00	+36 10.6	1.721	2.657	8.7	20.0
11 17	3 37.18	+35 10.9	1.715	2.678	5.9	19.9
11 27	3 26.63	+33 52.4	1.737	2.698	5.9	19.9
12 7	3 17.64	+32 22.6	1.787	2.719	8.4	20.1
12 17	3 11.11	+30 50.4	1.864	2.738	11.5	20.3
12 27	3 7.52	+29 24.0	1.965	2.758	14.3	20.6

91924 1999 VL_{38} 11 18.4 78°.46 1°.6/17.3 18

10 18	3 57.77	+17 23.4	2.095	2.958	11.5	19.2
10 28	3 52.19	+16 30.9	2.032	2.963	8.1	19.0
11 7	3 44.96	+15 33.4	1.995	2.968	4.4	18.8
11 17	3 36.82	+14 34.6	1.987	2.973	1.6	18.6
11 27	3 28.71	+13 38.9	2.008	2.978	4.2	18.8
12 7	3 21.53	+12 50.9	2.058	2.983	7.8	19.0
12 17	3 15.98	+12 13.8	2.134	2.989	11.1	19.2
12 27	3 12.55	+11 49.9	2.233	2.994	13.8	19.4

29549 1998 BB_{44} 11 18.4 298°.91 3°.3/16.9 18

10 18	4 0.23	+10 39.6	1.849	2.715	12.6	18.5
10 28	3 54.30	+10 26.3	1.772	2.702	9.2	18.2
11 7	3 46.30	+10 15.1	1.720	2.689	5.5	18.0
11 17	3 37.01	+10 8.8	1.695	2.676	3.3	17.8
11 27	3 27.50	+10 10.4	1.699	2.664	5.6	17.9
12 7	3 18.87	+10 22.1	1.731	2.651	9.4	18.1
12 17	3 12.06	+10 45.0	1.787	2.639	13.0	18.3
12 27	3 7.72	+11 19.4	1.865	2.627	16.2	18.5

27121 Joardar 11 18.4 118°.77 0°.2/18.3 18

10 18	4 2.57	+20 34.9	1.536	2.402	14.8	18.5
10 28	3 56.20	+20 9.1	1.473	2.404	10.6	18.2
11 7	3 47.37	+19 34.5	1.434	2.407	5.8	18.0
11 17	3 37.14	+18 53.3	1.421	2.410	0.7	17.6
11 27	3 26.86	+18 10.3	1.436	2.412	4.5	17.9
12 7	3 17.91	+17 30.9	1.478	2.415	9.3	18.2
12 17	3 11.29	+17 0.3	1.545	2.417	13.6	18.4
12 27	3 7.64	+16 42.0	1.633	2.419	17.1	18.7

513203 2005 SF_{188} 11 18.4 257°.24 1°.4/17.7 18

10 18	4 1.97	+17 37.3	1.649	2.515	13.9	21.8
10 28	3 55.78	+17 4.8	1.572	2.504	10.0	21.5
11 7	3 47.20	+16 26.0	1.518	2.491	5.5	21.2
11 17	3 37.13	+15 43.8	1.492	2.479	1.5	20.9
11 27	3 26.83	+15 2.8	1.493	2.466	4.9	21.1
12 7	3 17.60	+14 28.3	1.523	2.453	9.6	21.4
12 17	3 10.52	+14 4.4	1.577	2.440	13.8	21.6
12 27	3 6.27	+13 54.3	1.651	2.427	17.4	21.8

51314 2000 KX_{73} 11 18.4 0°.13 4°.4/16.0 18

10 18	3 57.48	+ 6 34.0	2.180	3.041	11.1	18.5
10 28	3 51.95	+ 6 7.4	2.117	3.041	8.3	18.3
11 7	3 44.84	+ 5 45.6	2.080	3.041	5.5	18.2
11 17	3 36.82	+ 5 31.8	2.070	3.041	4.4	18.1
11 27	3 28.75	+ 5 28.8	2.090	3.041	6.0	18.2
12 7	3 21.49	+ 5 38.4	2.137	3.041	8.8	18.4
12 17	3 15.73	+ 6 0.8	2.210	3.041	11.6	18.5
12 27	3 11.97	+ 6 35.3	2.304	3.042	14.1	18.7

484051 2006 GF_6 11 18.4 212°.74 7°.1/22.6 17

10 18	4 8.49	+43 42.8	2.857	3.600	11.9	21.8
10 28	4 0.23	+44 50.2	2.771	3.594	10.1	21.6
11 7	3 49.63	+45 41.6	2.709	3.588	8.4	21.5
11 17	3 37.44	+46 12.9	2.674	3.582	7.3	21.4
11 27	3 24.81	+46 22.2	2.668	3.575	7.2	21.4
12 7	3 12.95	+46 10.9	2.689	3.568	8.3	21.5
12 17	3 2.94	+45 43.4	2.738	3.560	9.9	21.6
12 27	2 55.55	+45 6.1	2.810	3.552	11.7	21.7

86300 1999 VU_{33} 11 18.4 350°.19 0°.4/18.2 18

10 18	3 57.31	+20 22.2	1.797	2.663	12.9	18.9
10 28	3 52.22	+19 47.8	1.727	2.659	9.2	18.6
11 7	3 45.13	+19 5.5	1.682	2.656	5.0	18.4
11 17	3 36.86	+18 18.0	1.664	2.653	0.7	18.0
11 27	3 28.51	+17 29.6	1.675	2.650	4.0	18.3
12 7	3 21.18	+16 45.4	1.713	2.648	8.3	18.6
12 17	3 15.73	+16 9.8	1.776	2.647	12.1	18.8
12 27	3 12.74	+15 46.1	1.861	2.646	15.3	19.0

227835 2007 CM_{51} 11 18.4 335°.69 0°.0/18.4 18

10 18	3 58.94	+21 27.9	1.181	2.064	17.0	20.0
10 28	3 54.32	+20 59.7	1.113	2.052	12.3	19.7
11 7	3 46.67	+20 18.9	1.066	2.041	6.9	19.4
11 17	3 37.07	+19 28.4	1.042	2.031	0.9	19.0
11 27	3 27.20	+18 34.1	1.044	2.022	5.2	19.3
12 7	3 18.78	+17 43.9	1.070	2.013	11.1	19.6
12 17	3 13.13	+17 5.0	1.117	2.006	16.2	19.8
12 27	3 11.04	+16 42.3	1.184	2.000	20.5	20.1

156129 2001 TY_5 11 18.4 282°.22 0°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.01	+20 8.4	1.578	2.439	14.7	19.8
10 28	3 58.32	+20 33.2	1.493	2.421	10.7	19.6
11 7	3 48.80	+20 53.0	1.432	2.403	6.1	19.3
11 17	3 37.37	+21 6.9	1.397	2.385	1.2	18.9
11 27	3 25.41	+21 15.5	1.390	2.367	4.5	19.1
12 7	3 14.49	+21 21.5	1.411	2.348	9.6	19.3
12 17	3 5.90	+21 28.7	1.457	2.330	14.1	19.6
12 27	3 0.54	+21 40.9	1.524	2.312	18.0	19.8

256667 2007 XD_{33} 11 18.4 270°.37 3°.0/16.5 18

10 18	3 58.24	+13 19.6	1.956	2.823	12.0	20.5
10 28	3 52.70	+12 25.5	1.886	2.817	8.6	20.3
11 7	3 45.33	+11 29.3	1.841	2.812	5.0	20.1
11 17	3 36.90	+10 35.1	1.825	2.806	3.0	20.0
11 27	3 28.39	+ 9 47.9	1.837	2.801	5.4	20.1
12 7	3 20.79	+ 9 11.9	1.878	2.795	9.0	20.3
12 17	3 14.90	+ 8 49.9	1.943	2.790	12.4	20.5
12 27	3 11.27	+ 8 43.1	2.030	2.784	15.3	20.7

514800 2007 RE_{241} 11 18.4 9°.77 18°.7/31.3 18

10 18	3 54.49	−13 52.3	1.136	1.988	19.8	19.2
10 28	3 50.73	−18 26.5	1.126	1.991	18.8	19.1
11 7	3 44.44	−22 20.3	1.139	1.996	19.0	19.2
11 17	3 36.78	−25 16.5	1.172	2.003	20.2	19.3
11 27	3 29.22	−27 6.7	1.224	2.011	21.8	19.4
12 7	3 23.13	−27 53.3	1.289	2.021	23.6	19.6
12 17	3 19.46	−27 44.5	1.367	2.033	25.1	19.8
12 27	3 18.76	−26 51.5	1.452	2.046	26.3	20.0

454362 2014 MZ_{23} 11 18.4 52°.41 6°.3/15.8 18

10 18	4 0.73	+ 2 37.7	1.777	2.637	13.3	20.1
10 28	3 54.20	+ 2 2.5	1.749	2.667	10.1	20.0
11 7	3 45.98	+ 1 37.5	1.745	2.697	7.3	19.9
11 17	3 36.96	+ 1 26.7	1.768	2.726	6.3	19.9
11 27	3 28.20	+ 1 32.6	1.818	2.756	7.8	20.1
12 7	3 20.66	+ 1 55.6	1.895	2.787	10.4	20.3
12 17	3 15.00	+ 2 34.2	1.996	2.817	13.1	20.5
12 27	3 11.65	+ 3 25.9	2.117	2.847	15.4	20.7

320453 2007 VT_{211} 11 18.4 157°.22 2°.2/17.5 18

10 18	4 4.56	+15 45.4	1.477	2.346	15.1	21.2
10 28	3 57.63	+15 13.4	1.418	2.350	10.8	21.0
11 7	3 48.18	+14 37.4	1.381	2.354	6.0	20.7
11 17	3 37.28	+14 1.0	1.371	2.357	2.2	20.5
11 27	3 26.35	+13 29.0	1.389	2.360	5.5	20.7
12 7	3 16.80	+13 6.1	1.434	2.363	10.2	21.0
12 17	3 9.67	+12 55.8	1.503	2.365	14.5	21.3
12 27	3 5.60	+12 59.7	1.592	2.367	18.0	21.5

159810 2003 SJ_{89} 11 18.4 173°.42 1°.8/19.8 18

10 18	3 58.82	+27 24.4	2.493	3.327	10.8	20.2
10 28	3 52.87	+27 1.6	2.418	3.329	8.0	20.0
11 7	3 45.34	+26 28.1	2.368	3.330	4.9	19.8
11 17	3 36.92	+25 44.8	2.347	3.331	2.1	19.6
11 27	3 28.48	+24 54.4	2.357	3.331	3.1	19.7
12 7	3 20.88	+24 1.0	2.396	3.332	6.3	19.9
12 17	3 14.80	+23 9.0	2.464	3.332	9.3	20.1
12 27	3 10.74	+22 22.6	2.556	3.332	11.9	20.3

447208 2005 TG_{54} 11 18.4 8°.89 1°.3/18.8 17

10 18	4 0.80	+20 40.2	1.378	2.251	15.6	20.0
10 28	3 55.26	+21 18.3	1.320	2.254	11.3	19.8
11 7	3 47.03	+21 50.3	1.285	2.258	6.4	19.5
11 17	3 37.15	+22 15.2	1.276	2.263	1.6	19.2
11 27	3 27.12	+22 33.4	1.292	2.270	4.5	19.4
12 7	3 18.44	+22 47.6	1.335	2.277	9.4	19.7
12 17	3 12.28	+23 1.3	1.401	2.286	13.8	20.0
12 27	3 9.32	+23 18.1	1.488	2.296	17.4	20.3

185770 1999 TE_{166} 11 18.4 5°.62 0°.4/18.6 18

10 18	4 0.21	+22 33.3	1.139	2.021	17.6	20.0
10 28	3 55.15	+22 0.1	1.082	2.020	12.7	19.8
11 7	3 47.06	+21 12.9	1.046	2.021	7.1	19.4
11 17	3 37.15	+20 15.0	1.034	2.022	1.1	19.1
11 27	3 27.19	+19 13.0	1.046	2.024	5.2	19.4
12 7	3 18.90	+18 15.6	1.083	2.027	10.9	19.7
12 17	3 13.48	+17 30.1	1.142	2.031	15.9	20.0
12 27	3 11.62	+17 1.4	1.220	2.035	20.1	20.3

108833 2001 OO_{84} 11 18.4 112°.79 2°.4/17.0 18

10 18	3 59.94	+14 9.1	1.958	2.822	12.1	20.4
10 28	3 53.81	+13 29.8	1.900	2.831	8.6	20.2
11 7	3 45.89	+12 48.7	1.868	2.839	4.9	20.0
11 17	3 37.00	+12 9.2	1.864	2.847	2.4	19.9
11 27	3 28.14	+11 35.4	1.889	2.856	4.8	20.1
12 7	3 20.30	+11 10.8	1.942	2.864	8.5	20.3
12 17	3 14.22	+10 57.8	2.021	2.871	11.8	20.5
12 27	3 10.42	+10 57.3	2.122	2.879	14.6	20.7

64054 2001 SY_{254} 11 18.4 8°.49 3°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.55	+10 24.2	1.812	2.682	12.6	19.2
10 28	3 52.98	+ 9 39.2	1.751	2.682	9.2	19.0
11 7	3 45.51	+ 8 55.7	1.715	2.683	5.7	18.8
11 17	3 36.96	+ 8 17.8	1.706	2.683	4.0	18.7
11 27	3 28.37	+ 7 50.1	1.725	2.684	6.1	18.8
12 7	3 20.78	+ 7 35.9	1.771	2.685	9.6	19.0
12 17	3 15.00	+ 7 36.6	1.842	2.687	13.0	19.2
12 27	3 11.59	+ 7 52.4	1.933	2.688	15.9	19.4

86905 2000 HT_{46} 11 18.4 205°.46 0°.5/18.7 18

10 18	3 58.60	+21 18.8	2.681	3.527	9.8	19.9
10 28	3 52.65	+21 17.3	2.603	3.524	7.1	19.7
11 7	3 45.22	+21 10.5	2.552	3.521	3.9	19.5
11 17	3 36.93	+20 59.1	2.530	3.518	0.7	19.3
11 27	3 28.53	+20 44.7	2.538	3.514	2.8	19.4
12 7	3 20.81	+20 29.7	2.577	3.510	6.0	19.7
12 17	3 14.44	+20 16.6	2.644	3.506	8.9	19.8
12 27	3 9.89	+20 8.1	2.736	3.502	11.4	20.0

407203 2009 UU_{149} 11 18.4 137°.97 2°.5/20.3 18

10 18	3 59.36	+29 18.3	2.413	3.243	11.3	21.2
10 28	3 53.32	+29 5.2	2.341	3.247	8.5	21.0
11 7	3 45.61	+28 40.1	2.294	3.251	5.4	20.8
11 17	3 36.97	+28 3.5	2.275	3.255	2.8	20.6
11 27	3 28.31	+27 17.8	2.286	3.258	3.5	20.7
12 7	3 20.55	+26 27.1	2.327	3.262	6.4	20.9
12 17	3 14.40	+25 35.9	2.395	3.265	9.4	21.1
12 27	3 10.36	+24 49.0	2.488	3.269	12.0	21.3

195858 2002 QU_{86} 11 18.4 136°.58 2°.7/16.4 18

10 18	3 56.94	+11 22.6	2.646	3.503	9.6	21.5
10 28	3 51.31	+10 40.0	2.586	3.512	6.8	21.3
11 7	3 44.41	+ 9 57.7	2.553	3.521	4.1	21.1
11 17	3 36.82	+ 9 18.8	2.550	3.529	2.7	21.1
11 27	3 29.25	+ 8 46.2	2.578	3.536	4.4	21.2
12 7	3 22.39	+ 8 22.5	2.634	3.544	7.1	21.4
12 17	3 16.81	+ 8 9.4	2.718	3.551	9.7	21.6
12 27	3 12.93	+ 8 7.3	2.825	3.558	11.9	21.7

51759 2001 LO_{6} 11 18.4 206°.61 0°.2/18.3 18

10 18	4 0.40	+20 42.4	2.191	3.043	11.5	20.0
10 28	3 54.15	+20 12.6	2.114	3.039	8.2	19.8
11 7	3 46.12	+19 35.6	2.063	3.034	4.5	19.6
11 17	3 37.05	+18 53.4	2.041	3.029	0.6	19.3
11 27	3 27.89	+18 9.3	2.049	3.024	3.5	19.5
12 7	3 19.61	+17 27.4	2.087	3.018	7.3	19.7
12 17	3 12.99	+16 51.8	2.151	3.012	10.8	19.9
12 27	3 8.58	+16 25.6	2.239	3.005	13.6	20.1

345794 2007 GM_{17} 11 18.4 224°.94 0°.7/18.8 18

10 18	4 2.99	+22 45.2	1.869	2.721	13.2	21.9
10 28	3 56.35	+22 29.0	1.789	2.713	9.6	21.7
11 7	3 47.47	+22 3.1	1.735	2.704	5.4	21.4
11 17	3 37.23	+21 28.6	1.707	2.695	1.1	21.1
11 27	3 26.80	+20 48.7	1.710	2.686	3.8	21.3
12 7	3 17.40	+20 8.2	1.741	2.676	8.2	21.5
12 17	3 10.02	+19 32.1	1.798	2.666	12.2	21.7
12 27	3 5.31	+19 4.8	1.877	2.655	15.5	21.9

439881 1999 XE_{250} 11 18.4 26°.32 2°.9/20.2 16

10 18	3 58.75	+30 45.7	1.107	1.976	19.0	19.6
10 28	3 53.92	+29 35.7	1.067	1.994	14.1	19.3
11 7	3 46.19	+28 0.3	1.046	2.013	8.6	19.1
11 17	3 37.03	+26 4.8	1.049	2.033	3.5	18.9
11 27	3 28.26	+24 0.0	1.077	2.055	5.0	19.0
12 7	3 21.43	+21 59.3	1.130	2.078	10.1	19.4
12 17	3 17.49	+20 13.9	1.207	2.102	14.8	19.7
12 27	3 16.87	+18 50.7	1.304	2.127	18.6	20.1

516439 2004 QY_{27} 11 18.4 85°.98 0°.9/17.9 18

10 18	3 59.51	+17 57.7	2.077	2.937	11.7	21.7
10 28	3 53.43	+17 31.9	2.021	2.950	8.3	21.6
11 7	3 45.67	+17 1.7	1.991	2.963	4.5	21.3
11 17	3 36.99	+16 29.5	1.988	2.976	1.0	21.1
11 27	3 28.37	+15 58.5	2.016	2.989	3.8	21.4
12 7	3 20.74	+15 32.2	2.072	3.002	7.5	21.6
12 17	3 14.80	+15 13.6	2.155	3.015	10.8	21.8
12 27	3 11.06	+15 4.5	2.260	3.027	13.5	22.1

154980 2004 UN_{7} 11 18.4 329°.21 4°.2/20.5 17

10 18	4 1.56	+30 33.3	1.987	2.819	13.3	19.5
10 28	3 55.42	+31 4.2	1.909	2.813	10.2	19.3
11 7	3 47.02	+31 22.2	1.856	2.807	6.9	19.1
11 17	3 37.20	+31 25.2	1.829	2.802	4.4	18.9
11 27	3 27.12	+31 13.7	1.830	2.797	5.0	19.0
12 7	3 18.03	+30 50.9	1.859	2.792	8.0	19.1
12 17	3 10.94	+30 21.9	1.914	2.788	11.3	19.3
12 27	3 6.54	+29 52.4	1.993	2.783	14.3	19.5

367632 2009 VO_{68} 11 18.4 0°.73 1°.1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.66	+24 51.3	1.958	2.812	12.6	20.4
10 28	3 52.39	+24 20.2	1.888	2.811	9.1	20.1
11 7	3 45.22	+23 37.9	1.842	2.811	5.3	19.9
11 17	3 36.96	+22 46.4	1.824	2.811	1.5	19.6
11 27	3 28.67	+21 49.4	1.835	2.811	3.5	19.8
12 7	3 21.38	+20 52.3	1.874	2.812	7.5	20.0
12 17	3 15.89	+20 0.2	1.939	2.813	11.1	20.3
12 27	3 12.76	+19 17.6	2.027	2.815	14.2	20.5

411556 2011 CA_{64} 11 18.4 273°.35 1°.0/17.8 17

10 18	3 57.89	+17 16.4	2.308	3.167	10.7	21.9
10 28	3 52.34	+16 54.5	2.228	3.156	7.6	21.7
11 7	3 45.15	+16 28.8	2.173	3.146	4.2	21.5
11 17	3 36.96	+16 1.2	2.148	3.135	1.1	21.2
11 27	3 28.64	+15 34.6	2.152	3.125	3.7	21.4
12 7	3 21.05	+15 12.0	2.185	3.114	7.2	21.6
12 17	3 14.94	+14 56.3	2.245	3.103	10.5	21.8
12 27	3 10.85	+14 49.5	2.329	3.093	13.2	22.0

340212 2006 AW_{69} 11 18.4 31°.14 1°.0/18.8 18

10 18	4 2.42	+21 40.2	1.158	2.037	17.6	19.8
10 28	3 56.57	+21 48.5	1.114	2.050	12.6	19.5
11 7	3 47.75	+21 46.7	1.090	2.064	7.1	19.3
11 17	3 37.28	+21 35.5	1.091	2.079	1.5	19.0
11 27	3 26.92	+21 18.4	1.117	2.095	4.9	19.3
12 7	3 18.33	+21 0.8	1.168	2.112	10.3	19.6
12 17	3 12.65	+20 48.1	1.241	2.130	15.0	19.9
12 27	3 10.46	+20 44.4	1.334	2.148	18.8	20.2

216958 2000 AK_{24} 11 18.4 5°.94 5°.5/20.8 18 R

10 18	3 59.25	+31 1.8	1.016	1.889	20.0	19.0
10 28	3 55.01	+31 12.8	0.962	1.888	15.3	18.7
11 7	3 47.21	+30 59.3	0.927	1.889	10.2	18.5
11 17	3 37.24	+30 19.5	0.912	1.892	6.0	18.3
11 27	3 27.16	+29 17.6	0.921	1.896	6.7	18.3
12 7	3 19.02	+28 3.6	0.953	1.901	11.4	18.6
12 17	3 14.22	+26 49.4	1.005	1.908	16.3	18.9
12 27	3 13.45	+25 45.1	1.076	1.916	20.5	19.2

523358 2017 CT_{7} 11 18.4 189°.45 7°.1/13.5 18

10 18	3 57.19	− 2 8.7	2.347	3.191	11.1	21.6
10 28	3 51.66	− 3 10.8	2.292	3.191	9.0	21.4
11 7	3 44.68	− 4 3.0	2.262	3.190	7.4	21.3
11 17	3 36.90	− 4 40.4	2.259	3.189	7.2	21.3
11 27	3 29.11	− 4 59.3	2.284	3.188	8.4	21.4
12 7	3 22.07	− 4 58.4	2.335	3.187	10.4	21.5
12 17	3 16.42	− 4 38.1	2.410	3.186	12.5	21.7
12 27	3 12.62	− 4 0.5	2.505	3.184	14.5	21.8

130451 2000 QE_{56} 11 18.4 123°.63 2°.5/17.4 17

10 18	4 5.23	+15 12.8	1.456	2.325	15.2	20.6
10 28	3 58.05	+14 38.1	1.404	2.336	10.9	20.4
11 7	3 48.39	+14 0.2	1.374	2.347	6.1	20.1
11 17	3 37.37	+13 23.0	1.372	2.357	2.5	19.9
11 27	3 26.45	+12 51.4	1.397	2.367	5.6	20.2
12 7	3 16.99	+12 29.9	1.449	2.377	10.2	20.4
12 17	3 9.99	+12 21.5	1.525	2.386	14.4	20.7
12 27	3 6.03	+12 27.6	1.622	2.394	17.8	21.0

435528 2008 KG_{25} 11 18.4 86°.48 3°.1/17.2 18

10 18	4 3.94	+12 45.7	1.468	2.339	15.0	21.0
10 28	3 57.07	+12 21.2	1.419	2.352	10.7	20.8
11 7	3 47.84	+11 57.0	1.393	2.364	6.2	20.6
11 17	3 37.31	+11 36.5	1.393	2.377	3.1	20.4
11 27	3 26.87	+11 23.7	1.422	2.390	5.9	20.6
12 7	3 17.85	+11 21.9	1.476	2.402	10.3	20.9
12 17	3 11.21	+11 32.5	1.555	2.414	14.2	21.2
12 27	3 7.51	+11 56.1	1.654	2.426	17.5	21.4

392736 2012 RP_{29} 11 18.4 14°.45 0°.6/18.2 18

10 18	3 58.92	+19 35.6	1.104	1.993	17.5	20.2
10 28	3 54.21	+19 12.5	1.056	1.998	12.5	20.0
11 7	3 46.54	+18 40.4	1.027	2.003	6.8	19.7
11 17	3 37.17	+18 2.9	1.022	2.011	1.0	19.3
11 27	3 27.82	+17 25.6	1.042	2.019	5.4	19.7
12 7	3 20.14	+16 55.1	1.085	2.029	10.9	20.0
12 17	3 15.27	+16 36.5	1.150	2.040	15.8	20.3
12 27	3 13.84	+16 32.7	1.234	2.052	19.8	20.6

385678 2005 SQ_{204} 11 18.4 38°.18 2°.3/19.2 18

10 18	4 4.67	+23 38.6	1.152	2.025	18.1	20.1
10 28	3 58.26	+24 5.3	1.109	2.041	13.2	19.8
11 7	3 48.72	+24 19.7	1.087	2.057	7.7	19.6
11 17	3 37.45	+24 20.9	1.088	2.074	2.7	19.4
11 27	3 26.29	+24 11.3	1.115	2.093	5.1	19.6
12 7	3 17.01	+23 56.2	1.167	2.111	10.3	19.9
12 17	3 10.80	+23 42.0	1.242	2.131	14.9	20.2
12 27	3 8.25	+23 33.9	1.336	2.150	18.7	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
84290 2002 TA_{30}		11 18.4 36°.61 0°.8/18.7 18				
	h m	° ′			°	m
10 18	4 3.15	+20 31.0	1.617	2.479	14.3	18.9
10 28	3 56.62	+20 53.2	1.557	2.486	10.3	18.7
11 7	3 47.68	+21 9.4	1.521	2.492	5.8	18.5
11 17	3 37.32	+21 19.2	1.512	2.500	1.2	18.2
11 27	3 26.88	+21 23.9	1.531	2.507	4.1	18.4
12 7	3 17.68	+21 26.5	1.577	2.515	8.6	18.7
12 17	3 10.74	+21 30.4	1.648	2.523	12.7	18.9
12 27	3 6.70	+21 38.9	1.742	2.532	16.0	19.2
450745 2007 HY_{50}		11 18.4 233°.68 0°.9/17.9 18				
10 18	3 59.95	+16 30.3	2.526	3.378	10.1	21.3
10 28	3 53.72	+16 28.3	2.443	3.369	7.2	21.1
11 7	3 45.90	+16 23.9	2.387	3.359	4.0	20.9
11 17	3 37.11	+16 18.4	2.361	3.348	0.9	20.6
11 27	3 28.15	+16 13.4	2.365	3.338	3.4	20.8
12 7	3 19.87	+16 11.1	2.399	3.327	6.7	21.0
12 17	3 12.97	+16 13.3	2.461	3.315	9.8	21.2
12 27	3 8.00	+16 21.9	2.547	3.304	12.4	21.4
358719 2008 BE_{29}		11 18.4 99°.41 1°.4/19.3 18				
10 18	4 0.99	+24 38.3	1.940	2.789	12.8	21.5
10 28	3 54.77	+24 25.9	1.875	2.795	9.4	21.3
11 7	3 46.54	+24 3.2	1.834	2.801	5.4	21.1
11 17	3 37.18	+23 31.1	1.820	2.807	1.7	20.9
11 27	3 27.80	+22 52.7	1.836	2.812	3.6	21.0
12 7	3 19.50	+22 12.5	1.880	2.818	7.5	21.3
12 17	3 13.12	+21 35.3	1.951	2.823	11.1	21.5
12 27	3 9.22	+21 5.3	2.045	2.829	14.2	21.7
352390 2007 WK_{11}		11 18.4 58°.46 4°.7/16.9 18				
10 18	4 4.31	+ 7 20.7	1.527	2.394	14.8	20.2
10 28	3 57.09	+ 7 12.4	1.490	2.418	10.8	20.1
11 7	3 47.74	+ 7 10.8	1.477	2.442	6.8	19.9
11 17	3 37.32	+ 7 18.7	1.491	2.467	4.7	19.8
11 27	3 27.14	+ 7 38.4	1.532	2.492	6.7	20.0
12 7	3 18.39	+ 8 10.4	1.601	2.517	10.4	20.3
12 17	3 11.91	+ 8 53.9	1.693	2.542	13.8	20.6
12 27	3 8.19	+ 9 47.4	1.807	2.567	16.7	20.8
59930 1999 RE_{176}		11 18.4 190°.23 4°.2/21.2 18				
10 18	4 2.19	+33 50.4	2.463	3.271	11.8	19.7
10 28	3 55.51	+34 5.3	2.384	3.270	9.2	19.6
11 7	3 46.94	+34 6.3	2.329	3.269	6.5	19.4
11 17	3 37.24	+33 52.2	2.302	3.267	4.5	19.3
11 27	3 27.41	+33 23.7	2.305	3.266	4.7	19.3
12 7	3 18.48	+32 44.3	2.337	3.263	6.9	19.4
12 17	3 11.27	+31 58.8	2.396	3.261	9.6	19.6
12 27	3 6.37	+31 12.7	2.480	3.258	12.1	19.8
208876 2002 TD_{46}		11 18.4 106°.94 3°.1/20.0 18				
10 18	4 4.30	+28 9.3	1.920	2.756	13.5	20.5
10 28	3 57.21	+28 28.4	1.858	2.767	10.1	20.3
11 7	3 47.92	+28 35.1	1.820	2.778	6.4	20.1
11 17	3 37.36	+28 28.3	1.809	2.789	3.4	19.9
11 27	3 26.77	+28 9.6	1.828	2.800	4.3	20.0
12 7	3 17.36	+27 42.8	1.875	2.810	7.8	20.3
12 17	3 10.06	+27 13.2	1.949	2.820	11.2	20.5
12 27	3 5.48	+26 46.1	2.045	2.830	14.2	20.7
228958 2003 UV_{112}		11 18.4 40°.88 0°.8/18.1 18				
10 18	4 1.45	+16 37.9	1.792	2.656	13.1	19.1
10 28	3 55.04	+16 51.3	1.744	2.674	9.3	18.9
11 7	3 46.65	+17 2.2	1.720	2.693	5.0	18.7
11 17	3 37.20	+17 11.4	1.724	2.712	0.9	18.4
11 27	3 27.81	+17 20.6	1.757	2.732	4.0	18.7
12 7	3 19.58	+17 31.9	1.818	2.752	8.0	19.0
12 17	3 13.33	+17 47.1	1.905	2.773	11.6	19.2
12 27	3 9.58	+18 7.9	2.014	2.794	14.5	19.5
395781 2012 VF_{90}		11 18.4 238°.09 1°.4/17.8 18				
10 18	4 2.81	+15 53.4	1.840	2.701	12.9	21.6
10 28	3 56.22	+15 47.8	1.764	2.693	9.3	21.4
11 7	3 47.45	+15 39.8	1.714	2.686	5.1	21.1
11 17	3 37.32	+15 30.8	1.691	2.678	1.4	20.9
11 27	3 26.99	+15 23.5	1.697	2.670	4.4	21.1
12 7	3 17.63	+15 20.8	1.732	2.661	8.7	21.3
12 17	3 10.22	+15 25.2	1.792	2.653	12.6	21.5
12 27	3 5.41	+15 38.7	1.875	2.644	15.8	21.7
316908 2000 TG_{27}		11 18.4 81°.74 3°.1/19.6 17				
10 18	4 9.28	+26 12.0	1.305	2.160	17.5	20.6
10 28	4 1.29	+26 35.4	1.260	2.181	12.9	20.4
11 7	3 50.29	+26 44.0	1.237	2.202	7.8	20.1
11 17	3 37.66	+26 36.3	1.239	2.223	3.5	19.9
11 27	3 25.23	+26 14.8	1.269	2.243	5.2	20.1
12 7	3 14.69	+25 45.7	1.324	2.264	9.8	20.4
12 17	3 7.20	+25 16.1	1.404	2.284	14.1	20.7
12 27	3 3.34	+24 52.4	1.504	2.303	17.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
268684 2006 FJ_{53}		11 18.4 250°.34 0°.8/18.9 18				
	h m	° ′			°	m
10 18	3 59.09	+22 17.8	2.460	3.307	10.6	21.1
10 28	3 53.19	+22 16.8	2.378	3.299	7.6	20.9
11 7	3 45.64	+22 9.4	2.322	3.291	4.3	20.7
11 17	3 37.09	+21 56.1	2.295	3.282	1.0	20.4
11 27	3 28.39	+21 38.8	2.298	3.274	3.0	20.6
12 7	3 20.41	+21 20.1	2.330	3.265	6.5	20.8
12 17	3 13.89	+21 3.0	2.391	3.256	9.6	21.0
12 27	3 9.37	+20 50.6	2.475	3.247	12.3	21.2
214616 2006 RQ_{52}		11 18.4 120°.59 1°.1/19.0 18				
10 18	4 1.66	+22 56.0	1.942	2.794	12.7	20.8
10 28	3 55.28	+22 55.2	1.874	2.797	9.2	20.6
11 7	3 46.86	+22 46.1	1.832	2.801	5.3	20.4
11 17	3 37.24	+22 29.3	1.817	2.804	1.4	20.1
11 27	3 27.56	+22 6.9	1.831	2.807	3.6	20.3
12 7	3 18.91	+21 42.9	1.874	2.810	7.6	20.6
12 17	3 12.18	+21 21.1	1.943	2.814	11.3	20.8
12 27	3 7.96	+21 5.5	2.035	2.817	14.3	21.0
368129 2013 JL_{32}		11 18.4 46°.33 3°.4/16.3 18				
10 18	3 57.59	+12 35.4	1.853	2.723	12.4	20.3
10 28	3 52.13	+11 32.0	1.810	2.743	8.8	20.1
11 7	3 44.98	+10 28.5	1.793	2.763	5.2	19.9
11 17	3 36.99	+ 9 29.9	1.804	2.784	3.4	19.8
11 27	3 29.15	+ 8 41.1	1.843	2.804	5.6	20.0
12 7	3 22.39	+ 8 5.9	1.909	2.825	9.0	20.3
12 17	3 17.39	+ 7 46.1	2.001	2.846	12.1	20.5
12 27	3 14.58	+ 7 42.1	2.114	2.868	14.7	20.7
422159 2014 RK_{6}		11 18.4 37°.29 2°.0/17.3 18				
10 18	3 58.08	+15 1.8	1.942	2.809	12.1	20.6
10 28	3 52.57	+14 31.7	1.884	2.816	8.6	20.4
11 7	3 45.30	+13 59.5	1.851	2.824	4.8	20.2
11 17	3 37.04	+13 28.1	1.846	2.832	2.0	20.0
11 27	3 28.80	+13 1.2	1.870	2.840	4.5	20.2
12 7	3 21.53	+12 41.9	1.922	2.848	8.2	20.5
12 17	3 15.99	+12 32.8	1.999	2.857	11.6	20.7
12 27	3 12.68	+12 35.0	2.098	2.866	14.4	20.9
227724 2006 EE_{21}		11 18.4 130°.12 1°.2/17.7 18				
10 18	3 58.14	+16 33.1	2.397	3.254	10.4	21.3
10 28	3 52.37	+16 8.3	2.332	3.260	7.4	21.1
11 7	3 45.12	+15 40.5	2.293	3.265	4.1	20.9
11 17	3 37.03	+15 11.8	2.283	3.270	1.3	20.7
11 27	3 28.92	+14 45.0	2.303	3.275	3.6	20.9
12 7	3 21.60	+14 23.1	2.353	3.279	6.9	21.2
12 17	3 15.73	+14 8.4	2.429	3.284	9.9	21.4
12 27	3 11.77	+14 2.5	2.529	3.288	12.5	21.5
209837 2005 GH_{154}		11 18.4 177°.00 6°.4/14.4 18				
10 18	3 59.12	+ 2 37.6	2.077	2.933	11.9	20.6
10 28	3 53.19	+ 1 28.3	2.020	2.934	9.2	20.5
11 7	3 45.60	+ 0 26.0	1.989	2.935	7.0	20.3
11 17	3 37.09	− 0 23.8	1.985	2.936	6.4	20.3
11 27	3 28.57	− 0 56.6	2.010	2.936	8.0	20.4
12 7	3 20.94	− 1 9.8	2.061	2.936	10.5	20.6
12 17	3 14.90	− 1 3.4	2.136	2.936	13.1	20.8
12 27	3 10.97	− 0 38.8	2.231	2.935	15.4	20.9
363511 2003 UA_{64}		11 18.5 44°.92 7°.9/13.8 18				
10 18	3 57.42	− 0 7.8	1.793	2.654	13.2	20.0
10 28	3 51.97	− 1 31.4	1.766	2.678	10.4	19.8
11 7	3 44.87	− 2 42.4	1.763	2.701	8.4	19.8
11 17	3 36.99	− 3 34.8	1.786	2.726	8.0	19.8
11 27	3 29.30	− 4 4.1	1.836	2.750	9.5	19.9
12 7	3 22.71	− 4 9.3	1.910	2.775	11.7	20.1
12 17	3 17.88	− 3 51.7	2.006	2.800	14.1	20.3
12 27	3 15.22	− 3 14.7	2.122	2.825	16.1	20.6
464367 2016 AF_{154}		11 18.5 335°.97 7°.2/13.5 17				
10 18	3 55.20	+ 2 29.7	1.866	2.734	12.5	21.1
10 28	3 50.64	+ 1 3.2	1.804	2.723	9.8	20.9
11 7	3 44.31	− 0 16.5	1.767	2.713	7.7	20.8
11 17	3 36.94	− 1 22.6	1.756	2.704	7.3	20.7
11 27	3 29.47	− 2 8.9	1.771	2.696	9.1	20.8
12 7	3 22.87	− 2 32.2	1.812	2.687	11.7	21.0
12 17	3 17.90	− 2 31.7	1.875	2.680	14.5	21.1
12 27	3 15.11	− 2 9.4	1.957	2.673	17.0	21.3
417310 2006 BM_{133}		11 18.5 154°.23 3°.1/16.1 18				
10 18	3 56.92	+ 9 41.3	2.735	3.591	9.3	21.9
10 28	3 51.32	+ 8 59.8	2.673	3.597	6.8	21.7
11 7	3 44.48	+ 8 19.7	2.638	3.602	4.3	21.6
11 17	3 36.96	+ 7 44.0	2.633	3.607	3.1	21.5
11 27	3 29.43	+ 7 15.4	2.658	3.612	4.6	21.6
12 7	3 22.58	+ 6 56.4	2.712	3.617	7.2	21.8
12 17	3 16.96	+ 6 48.2	2.794	3.621	9.6	22.0
12 27	3 12.97	+ 6 51.2	2.898	3.625	11.7	22.1

333879 1997 WG_{24} 11 18.5 26°.69 0°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.03	+19 23.3	2.030	2.893	11.8	20.4
10 28	3 51.81	+18 33.6	1.967	2.898	8.4	20.2
11 7	3 44.87	+17 37.4	1.930	2.903	4.5	19.9
11 17	3 37.01	+16 37.8	1.920	2.908	1.0	19.7
11 27	3 29.16	+15 39.6	1.940	2.913	3.9	19.9
12 7	3 22.25	+14 47.5	1.988	2.919	7.7	20.2
12 17	3 17.02	+14 5.5	2.063	2.925	11.1	20.4
12 27	3 13.94	+13 36.0	2.160	2.932	13.9	20.6

374764 2006 SH_{282} 11 18.5 5°.78 0°.4/18.6 18

10 18	4 1.54	+20 10.1	1.055	1.943	18.2	19.9
10 28	3 56.38	+20 19.5	1.001	1.942	13.2	19.6
11 7	3 47.92	+20 20.5	0.967	1.943	7.4	19.3
11 17	3 37.42	+20 13.8	0.956	1.944	1.1	18.9
11 27	3 26.76	+20 2.7	0.969	1.947	5.4	19.2
12 7	3 17.82	+19 52.6	1.005	1.951	11.3	19.6
12 17	3 11.98	+19 48.5	1.063	1.956	16.5	19.9
12 27	3 9.96	+19 54.6	1.139	1.962	20.7	20.2

102731 1999 VJ_{102} 11 18.5 67°.22 0°.6/18.1 18

10 18	4 0.96	+18 59.2	1.966	2.825	12.3	20.1
10 28	3 54.47	+18 36.4	1.923	2.851	8.7	19.9
11 7	3 46.26	+18 8.5	1.906	2.878	4.7	19.7
11 17	3 37.19	+17 37.8	1.916	2.904	0.8	19.5
11 27	3 28.31	+17 7.5	1.956	2.931	3.7	19.7
12 7	3 20.56	+16 41.4	2.025	2.957	7.5	20.0
12 17	3 14.64	+16 22.4	2.120	2.983	10.8	20.3
12 27	3 11.01	+16 12.6	2.238	3.009	13.5	20.5

146 Lucina 11 18.5 184°.69 3°.4/16.9 18

10 18	4 1.93	+ 9 33.3	2.041	2.899	11.9	12.8
10 28	3 55.30	+ 9 22.8	1.974	2.899	8.7	12.6
11 7	3 46.83	+ 9 15.3	1.933	2.899	5.3	12.4
11 17	3 37.29	+ 9 13.2	1.920	2.899	3.4	12.3
11 27	3 27.65	+ 9 18.9	1.937	2.898	5.3	12.4
12 7	3 18.93	+ 9 34.0	1.982	2.897	8.7	12.6
12 17	3 11.92	+ 9 59.3	2.054	2.896	12.0	12.8
12 27	3 7.19	+10 34.6	2.147	2.895	14.7	13.0

273699 2007 EJ_{42} 11 18.5 194°.28 2°.7/16.9 18

10 18	4 1.91	+14 3.9	1.841	2.704	12.8	21.2
10 28	3 55.45	+13 18.7	1.773	2.703	9.2	21.0
11 7	3 46.97	+12 30.8	1.730	2.701	5.3	20.8
11 17	3 37.30	+11 44.2	1.715	2.699	2.7	20.6
11 27	3 27.58	+11 3.7	1.730	2.696	5.3	20.8
12 7	3 18.88	+10 33.3	1.772	2.693	9.2	21.0
12 17	3 12.10	+10 16.1	1.840	2.689	12.8	21.2
12 27	3 7.81	+10 13.4	1.929	2.685	15.9	21.4

303095 2004 BN_{43} 11 18.5 284°.10 7°.2/22.3 17

10 18	4 4.44	+39 0.1	1.893	2.692	15.2	20.3
10 28	3 57.94	+39 33.3	1.806	2.677	12.5	20.1
11 7	3 48.66	+39 46.2	1.741	2.663	9.7	19.9
11 17	3 37.55	+39 34.6	1.701	2.649	7.6	19.7
11 27	3 26.07	+38 57.8	1.687	2.634	7.5	19.7
12 7	3 15.76	+38 0.2	1.700	2.620	9.6	19.8
12 17	3 7.86	+36 49.5	1.738	2.606	12.5	19.9
12 27	3 3.18	+35 35.0	1.799	2.591	15.5	20.1

453986 2012 BP_{149} 11 18.5 249°.15 4°.5/16.1 18

10 18	3 59.50	+ 6 29.3	2.092	2.951	11.6	21.4
10 28	3 53.54	+ 6 2.0	2.025	2.948	8.6	21.2
11 7	3 45.86	+ 5 39.6	1.985	2.945	5.8	21.0
11 17	3 37.17	+ 5 25.5	1.971	2.941	4.6	20.9
11 27	3 28.40	+ 5 22.7	1.987	2.938	6.3	21.0
12 7	3 20.47	+ 5 33.1	2.031	2.935	9.2	21.2
12 17	3 14.14	+ 5 57.0	2.100	2.931	12.2	21.4
12 27	3 9.95	+ 6 33.6	2.190	2.927	14.8	21.6

27864 Antongraff 11 18.5 145°.26 4°.1/20.9 18

10 18	4 3.86	+32 30.5	2.262	3.077	12.5	18.7
10 28	3 56.76	+32 47.0	2.192	3.084	9.6	18.5
11 7	3 47.67	+32 49.3	2.147	3.092	6.7	18.3
11 17	3 37.41	+32 36.3	2.129	3.099	4.3	18.2
11 27	3 27.09	+32 9.0	2.141	3.105	4.7	18.2
12 7	3 17.81	+31 31.3	2.182	3.111	7.2	18.4
12 17	3 10.41	+30 48.3	2.251	3.117	10.1	18.6
12 27	3 5.49	+30 5.7	2.343	3.122	12.7	18.8

515613 2014 KM_{41} 11 18.5 158°.11 0°.6/18.8 18

10 18	4 1.81	+22 10.0	2.246	3.093	11.5	22.5
10 28	3 55.14	+21 59.4	2.178	3.098	8.2	22.3
11 7	3 46.71	+21 41.5	2.135	3.104	4.6	22.1
11 17	3 37.29	+21 17.4	2.121	3.109	0.9	21.8
11 27	3 27.83	+20 49.4	2.138	3.113	3.2	22.0
12 7	3 19.30	+20 21.0	2.184	3.117	6.9	22.3
12 17	3 12.44	+19 55.9	2.258	3.121	10.2	22.5
12 27	3 7.80	+19 37.1	2.355	3.124	13.0	22.7

218978 2008 FQ_{117} 11 18.5 137°.89 0°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.51	+19 53.4	2.144	3.000	11.5	20.5
10 28	3 53.56	+19 30.9	2.077	3.003	8.2	20.3
11 7	3 45.86	+19 2.4	2.035	3.006	4.5	20.1
11 17	3 37.18	+18 29.7	2.021	3.009	0.6	19.8
11 27	3 28.47	+17 56.1	2.037	3.012	3.5	20.1
12 7	3 20.66	+17 25.1	2.082	3.015	7.3	20.3
12 17	3 14.51	+17 0.1	2.154	3.018	10.6	20.5
12 27	3 10.54	+16 43.9	2.249	3.020	13.5	20.7

490919 2011 CS_{30} 11 18.5 299°.63 0°.9/17.9 17

10 18	3 58.66	+17 41.3	2.067	2.928	11.7	21.8
10 28	3 53.16	+17 26.8	1.984	2.913	8.4	21.6
11 7	3 45.76	+17 8.0	1.926	2.898	4.6	21.3
11 17	3 37.18	+16 46.7	1.896	2.884	1.0	21.0
11 27	3 28.39	+16 25.8	1.895	2.869	3.9	21.2
12 7	3 20.40	+16 8.4	1.923	2.855	7.8	21.5
12 17	3 14.04	+15 57.6	1.977	2.840	11.4	21.6
12 27	3 9.95	+15 55.7	2.053	2.826	14.5	21.8

482458 2012 FA_{72} 11 18.5 270°.15 4°.9/15.8 17

10 18	3 58.59	+ 5 1.3	2.200	3.058	11.2	21.3
10 28	3 52.85	+ 4 30.4	2.132	3.052	8.4	21.1
11 7	3 45.48	+ 4 5.1	2.089	3.045	5.9	21.0
11 17	3 37.14	+ 3 49.0	2.074	3.039	4.9	20.9
11 27	3 28.71	+ 3 45.2	2.087	3.032	6.5	21.0
12 7	3 21.06	+ 3 55.3	2.128	3.025	9.2	21.2
12 17	3 14.89	+ 4 19.7	2.195	3.019	12.0	21.3
12 27	3 10.75	+ 4 57.4	2.284	3.012	14.5	21.5

40239 1998 VY_{16} 11 18.5 47°.59 0°.5/18.7 18

10 18	4 3.38	+19 19.0	1.891	2.746	12.9	17.9
10 28	3 56.47	+19 51.7	1.836	2.762	9.2	17.7
11 7	3 47.52	+20 20.1	1.807	2.777	5.1	17.5
11 17	3 37.40	+20 43.7	1.805	2.793	0.9	17.3
11 27	3 27.28	+21 3.2	1.833	2.810	3.6	17.5
12 7	3 18.25	+21 20.2	1.891	2.826	7.7	17.8
12 17	3 11.21	+21 37.1	1.974	2.843	11.2	18.0
12 27	3 6.71	+21 56.6	2.081	2.860	14.1	18.3

457836 2009 SF_{92} 11 18.5 11°.80 1°.0/17.9 17

10 18	3 55.36	+20 2.6	1.339	2.223	15.3	20.2
10 28	3 51.27	+19 11.5	1.290	2.230	10.9	20.0
11 7	3 44.81	+18 11.3	1.262	2.238	5.9	19.7
11 17	3 37.06	+17 6.6	1.259	2.247	1.1	19.4
11 27	3 29.37	+16 4.3	1.282	2.258	4.9	19.7
12 7	3 23.02	+15 11.2	1.331	2.271	9.7	20.0
12 17	3 18.95	+14 32.3	1.403	2.285	14.0	20.3
12 27	3 17.70	+14 10.2	1.495	2.300	17.5	20.6

266556 2008 GB_{38} 11 18.5 143°.11 1°.3/17.8 16

10 18	4 4.07	+17 22.0	1.846	2.703	13.0	21.9
10 28	3 56.91	+16 50.4	1.787	2.715	9.3	21.6
11 7	3 47.72	+16 14.0	1.753	2.725	5.1	21.4
11 17	3 37.44	+15 35.6	1.747	2.735	1.4	21.2
11 27	3 27.20	+14 59.1	1.771	2.744	4.4	21.4
12 7	3 18.14	+14 28.7	1.824	2.752	8.5	21.7
12 17	3 11.09	+14 7.9	1.903	2.760	12.1	21.9
12 27	3 6.59	+13 58.7	2.004	2.767	15.2	22.2

99684 2002 JZ_{20} 11 18.5 51°.24 0°.5/18.1 18

10 18	3 58.31	+20 51.4	1.941	2.802	12.3	19.2
10 28	3 52.74	+20 0.6	1.885	2.814	8.8	19.0
11 7	3 45.40	+19 1.9	1.854	2.826	4.8	18.8
11 17	3 37.13	+17 58.8	1.851	2.839	0.7	18.5
11 27	3 28.96	+16 56.1	1.877	2.852	3.8	18.8
12 7	3 21.83	+15 59.0	1.931	2.864	7.7	19.1
12 17	3 16.49	+15 11.9	2.012	2.877	11.2	19.3
12 27	3 13.42	+14 37.5	2.116	2.891	14.1	19.5

368322 2002 PW_{176} 11 18.5 167°.30 5°.1/22.8 17

10 18	4 2.23	+39 51.6	2.937	3.709	11.0	22.1
10 28	3 55.37	+40 2.5	2.859	3.713	8.9	21.9
11 7	3 46.83	+39 58.0	2.805	3.716	6.9	21.8
11 17	3 37.33	+39 36.8	2.778	3.719	5.4	21.7
11 27	3 27.79	+38 59.5	2.781	3.722	5.3	21.7
12 7	3 19.12	+38 9.3	2.813	3.725	6.6	21.8
12 17	3 12.04	+37 10.9	2.873	3.726	8.6	21.9
12 27	3 7.07	+36 9.8	2.958	3.728	10.6	22.1

204459 2004 YB_{15} 11 18.5 137°.33 1°.6/19.5 18

10 18	4 3.25	+25 29.9	2.205	3.043	12.0	21.4
10 28	3 56.17	+25 19.3	2.141	3.056	8.7	21.2
11 7	3 47.27	+24 58.6	2.104	3.068	5.2	21.0
11 17	3 37.39	+24 28.7	2.094	3.080	1.9	20.8
11 27	3 27.55	+23 51.9	2.116	3.091	3.4	20.9
12 7	3 18.74	+23 12.5	2.167	3.101	6.9	21.1
12 17	3 11.74	+22 34.7	2.245	3.111	10.1	21.4
12 27	3 7.05	+22 2.8	2.348	3.121	12.9	21.6

26441 Nanayakkara 11 18.5 210°.00 0°.7/18.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.86	+22 52.3	2.746	3.588	9.7	19.8
10 28	3 52.89	+22 44.0	2.665	3.583	7.1	19.6
11 7	3 45.47	+22 29.3	2.610	3.577	4.0	19.4
11 17	3 37.17	+22 8.8	2.584	3.571	1.0	19.2
11 27	3 28.78	+21 44.4	2.589	3.565	2.8	19.3
12 7	3 21.05	+21 18.8	2.625	3.559	5.9	19.5
12 17	3 14.64	+20 54.9	2.689	3.552	8.8	19.7
12 27	3 10.05	+20 35.6	2.778	3.544	11.3	19.9

169083 2001 HA_{40} 11 18.5 301°.22 3°.1/16.5 18

10 18	3 58.64	+15 54.6	1.627	2.501	13.6	19.8
10 28	3 53.46	+14 31.8	1.550	2.485	9.8	19.6
11 7	3 46.04	+13 1.2	1.497	2.470	5.6	19.3
11 17	3 37.26	+11 28.9	1.471	2.455	3.1	19.1
11 27	3 28.30	+10 2.8	1.474	2.440	6.1	19.3
12 7	3 20.38	+ 8 50.3	1.503	2.425	10.5	19.5
12 17	3 14.48	+ 7 56.8	1.557	2.410	14.5	19.7
12 27	3 11.25	+ 7 24.8	1.631	2.396	18.0	19.9

454562 2014 PN_2 11 18.5 58°.29 0°.3/18.3 18

10 18	3 59.58	+20 3.1	1.927	2.787	12.5	21.7
10 28	3 53.74	+19 40.5	1.866	2.795	8.9	21.5
11 7	3 46.02	+19 11.4	1.831	2.803	4.9	21.3
11 17	3 37.26	+18 37.9	1.823	2.811	0.6	21.0
11 27	3 28.51	+18 3.6	1.844	2.819	3.7	21.2
12 7	3 20.78	+17 32.3	1.893	2.828	7.7	21.5
12 17	3 14.89	+17 7.7	1.969	2.836	11.3	21.7
12 27	3 11.35	+16 52.7	2.067	2.845	14.2	22.0

394550 2007 UM_{73} 11 18.5 338°.52 0°.3/18.3 18

10 18	3 59.89	+20 32.4	1.602	2.470	14.1	21.1
10 28	3 54.38	+20 1.6	1.533	2.465	10.2	20.8
11 7	3 46.55	+19 22.0	1.488	2.462	5.6	20.6
11 17	3 37.34	+18 36.1	1.470	2.458	0.7	20.2
11 27	3 28.02	+17 48.7	1.479	2.455	4.3	20.5
12 7	3 19.86	+17 5.4	1.515	2.452	9.0	20.8
12 17	3 13.85	+16 31.1	1.576	2.450	13.2	21.0
12 27	3 10.63	+16 9.5	1.658	2.448	16.7	21.2

143203 2002 XX_{89} 11 18.5 40°.97 7°.4/15.7 18

10 18	4 0.90	+ 1 27.3	1.544	2.409	14.7	18.8
10 28	3 54.80	+ 0 50.7	1.503	2.422	11.4	18.6
11 7	3 46.62	+ 0 26.4	1.484	2.435	8.5	18.5
11 17	3 37.34	+ 0 19.5	1.491	2.448	7.5	18.5
11 27	3 28.18	+ 0 33.1	1.524	2.462	9.1	18.6
12 7	3 20.28	+ 1 7.5	1.583	2.477	12.0	18.8
12 17	3 14.48	+ 2 0.5	1.664	2.491	15.0	19.0
12 27	3 11.30	+ 3 8.7	1.765	2.507	17.7	19.3

326509 2002 LQ_{62} 11 18.5 94°.38 1°.8/16.9 18

10 18	3 59.21	+17 31.5	2.419	3.273	10.5	20.6
10 28	3 52.98	+16 9.3	2.367	3.294	7.4	20.4
11 7	3 45.40	+14 42.4	2.343	3.315	4.0	20.2
11 17	3 37.18	+13 15.3	2.350	3.335	1.8	20.1
11 27	3 29.12	+11 53.2	2.388	3.355	4.0	20.3
12 7	3 21.97	+10 40.6	2.457	3.374	7.1	20.5
12 17	3 16.31	+ 9 41.1	2.553	3.393	10.0	20.7
12 27	3 12.53	+ 8 56.3	2.673	3.412	12.3	20.9

111485 2001 YF_{41} 11 18.5 306°.45 0°.5/18.8 18

10 18	4 0.33	+21 33.3	1.918	2.774	12.7	19.9
10 28	3 54.46	+21 27.9	1.843	2.769	9.1	19.7
11 7	3 46.53	+21 15.1	1.793	2.764	5.1	19.4
11 17	3 37.35	+20 55.9	1.771	2.759	0.9	19.1
11 27	3 28.02	+20 32.7	1.778	2.754	3.7	19.3
12 7	3 19.64	+20 9.3	1.813	2.749	7.8	19.5
12 17	3 13.13	+19 49.6	1.874	2.745	11.6	19.8
12 27	3 9.10	+19 37.1	1.957	2.740	14.7	20.0

160521 1995 KU 11 18.5 117°.08 3°.3/16.5 18

10 18	4 1.70	+13 5.7	1.851	2.715	12.7	19.8
10 28	3 55.13	+12 2.6	1.800	2.730	9.1	19.6
11 7	3 46.72	+10 58.2	1.775	2.744	5.3	19.4
11 17	3 37.36	+ 9 57.3	1.778	2.758	3.3	19.3
11 27	3 28.12	+ 9 5.3	1.810	2.772	5.6	19.5
12 7	3 20.02	+ 8 26.3	1.870	2.785	9.2	19.7
12 17	3 13.81	+ 8 2.8	1.956	2.797	12.5	19.9
12 27	3 9.97	+ 7 55.4	2.063	2.809	15.3	20.2

305324 2008 AP_{81} 11 18.5 18°.46 0°.1/18.4 18

10 18	3 59.76	+21 8.5	1.699	2.563	13.6	20.6
10 28	3 54.13	+20 36.1	1.634	2.565	9.8	20.3
11 7	3 46.34	+19 54.9	1.594	2.566	5.4	20.1
11 17	3 37.33	+19 7.3	1.580	2.569	0.7	19.8
11 27	3 28.28	+18 18.0	1.595	2.571	4.1	20.0
12 7	3 20.37	+17 32.4	1.637	2.574	8.5	20.3
12 17	3 14.51	+16 55.2	1.705	2.577	12.5	20.6
12 27	3 11.28	+16 29.9	1.794	2.580	15.8	20.8

228513 2001 TL_{127} 11 18.5 83°.15 1°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.78	+26 4.6	1.545	2.396	15.5	20.1
10 28	3 58.27	+25 18.1	1.502	2.423	11.2	19.9
11 7	3 48.46	+24 17.0	1.482	2.450	6.4	19.7
11 17	3 37.58	+23 4.6	1.489	2.476	1.8	19.5
11 27	3 27.05	+21 47.0	1.525	2.502	4.1	19.7
12 7	3 18.17	+20 31.9	1.589	2.527	8.6	20.0
12 17	3 11.78	+19 26.3	1.679	2.552	12.6	20.3
12 27	3 8.33	+18 34.7	1.791	2.577	15.8	20.6

40165 1998 QP_{102} 11 18.5 179°.07 4°.5/15.5 18 R

10 18	3 57.54	+ 6 38.9	2.320	3.179	10.7	17.8
10 28	3 52.01	+ 5 50.9	2.258	3.180	7.9	17.6
11 7	3 45.00	+ 5 6.6	2.221	3.180	5.4	17.5
11 17	3 37.15	+ 4 29.9	2.213	3.180	4.5	17.4
11 27	3 29.27	+ 4 4.4	2.235	3.180	6.1	17.5
12 7	3 22.16	+ 3 52.5	2.284	3.180	8.7	17.7
12 17	3 16.46	+ 3 55.0	2.358	3.180	11.4	17.9
12 27	3 12.64	+ 4 11.5	2.455	3.179	13.7	18.0

407626 2011 CL_{74} 11 18.5 288°.04 19°.5/ 6.1 17

10 18	4 1.66	−14 17.3	1.035	1.883	21.6	20.5
10 28	3 56.35	−17 22.7	1.002	1.874	20.0	20.4
11 7	3 47.89	−19 54.0	0.987	1.865	19.5	20.3
11 17	3 37.54	−21 33.9	0.990	1.856	20.3	20.3
11 27	3 27.09	−22 12.2	1.011	1.847	22.1	20.4
12 7	3 18.28	−21 49.3	1.046	1.839	24.3	20.6
12 17	3 12.40	−20 32.7	1.094	1.831	26.7	20.7
12 27	3 10.15	−18 34.4	1.153	1.823	28.8	20.9

299682 2006 QQ_{79} 11 18.5 18°.24 7°.6/14.4 18

10 18	3 56.84	+ 5 8.6	1.358	2.240	15.2	19.3
10 28	3 52.17	+ 3 36.1	1.316	2.247	11.6	19.1
11 7	3 45.28	+ 2 11.6	1.296	2.254	8.5	18.9
11 17	3 37.19	+ 1 3.6	1.301	2.262	7.8	18.9
11 27	3 29.17	+ 0 19.5	1.332	2.272	9.9	19.0
12 7	3 22.45	+ 0 2.4	1.385	2.282	13.2	19.3
12 17	3 17.90	+ 0 12.1	1.460	2.293	16.5	19.5
12 27	3 16.06	+ 0 45.3	1.553	2.305	19.3	19.7

216593 2002 OF_{17} 11 18.5 80°.76 2°.9/17.1 16

10 18	4 6.22	+15 3.0	1.422	2.290	15.6	20.9
10 28	3 58.51	+14 4.7	1.389	2.322	11.0	20.7
11 7	3 48.56	+13 4.2	1.381	2.353	6.1	20.5
11 17	3 37.60	+12 6.8	1.399	2.383	2.9	20.4
11 27	3 27.06	+11 18.3	1.445	2.413	5.9	20.7
12 7	3 18.19	+10 43.7	1.518	2.442	10.2	21.0
12 17	3 11.82	+10 25.4	1.616	2.471	14.0	21.3
12 27	3 8.37	+10 23.7	1.733	2.499	17.1	21.6

268289 2005 QH_{53} 11 18.5 94°.72 2°.7/17.3 18

10 18	4 4.50	+14 30.3	1.552	2.419	14.6	20.7
10 28	3 57.35	+13 51.1	1.508	2.439	10.3	20.5
11 7	3 48.01	+13 10.0	1.487	2.459	5.8	20.3
11 17	3 37.55	+12 30.9	1.494	2.478	2.7	20.1
11 27	3 27.28	+11 58.7	1.529	2.497	5.5	20.4
12 7	3 18.43	+11 37.2	1.591	2.516	9.7	20.6
12 17	3 11.88	+11 28.9	1.678	2.534	13.5	20.9
12 27	3 8.13	+11 34.7	1.786	2.552	16.6	21.2

259578 2003 UO_{197} 11 18.5 41°.11 0°.9/18.8 18

10 18	4 4.00	+22 11.5	1.047	1.929	18.8	20.0
10 28	3 57.91	+22 4.5	1.008	1.945	13.5	19.7
11 7	3 48.63	+21 45.3	0.988	1.962	7.6	19.5
11 17	3 37.64	+21 15.8	0.992	1.980	1.5	19.2
11 27	3 26.87	+20 41.0	1.020	1.998	5.2	19.5
12 7	3 18.10	+20 8.2	1.072	2.018	10.9	19.9
12 17	3 12.49	+19 43.5	1.147	2.037	15.8	20.2
12 27	3 10.58	+19 31.3	1.240	2.057	19.7	20.5

408039 2012 FJ_{51} 11 18.5 163°.61 0°.3/18.7 18

10 18	3 59.76	+20 59.3	2.511	3.358	10.4	21.9
10 28	3 53.60	+20 55.3	2.440	3.361	7.4	21.7
11 7	3 45.89	+20 45.9	2.395	3.364	4.1	21.5
11 17	3 37.29	+20 31.8	2.378	3.367	0.7	21.2
11 27	3 28.62	+20 15.0	2.393	3.369	3.0	21.4
12 7	3 20.72	+19 58.1	2.438	3.371	6.3	21.7
12 17	3 14.26	+19 43.8	2.510	3.373	9.3	21.9
12 27	3 9.75	+19 34.6	2.607	3.374	11.9	22.0

488401 2016 WN_{53} 11 18.5 47°.23 2°.2/19.8 18

10 18	4 1.57	+28 19.7	1.488	2.342	15.8	20.3
10 28	3 55.61	+27 31.4	1.431	2.352	11.7	20.0
11 7	3 47.18	+26 24.7	1.397	2.362	7.0	19.8
11 17	3 37.45	+25 2.6	1.388	2.373	2.6	19.6
11 27	3 27.86	+23 31.6	1.408	2.385	4.3	19.7
12 7	3 19.78	+22 0.6	1.454	2.396	8.9	20.0
12 17	3 14.16	+20 38.0	1.526	2.408	13.1	20.3
12 27	3 11.52	+19 30.3	1.620	2.420	16.6	20.6

298013 2002 PJ_{10} 11 18.5 24°.14 5°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.07	+33 37.1	1.564	2.399	16.1	19.9
10 28	3 56.17	+33 36.4	1.501	2.403	12.5	19.7
11 7	3 47.61	+33 14.8	1.458	2.408	8.7	19.5
11 17	3 37.52	+32 31.3	1.441	2.413	5.6	19.4
11 27	3 27.40	+31 28.8	1.450	2.419	5.8	19.4
12 7	3 18.75	+30 14.7	1.486	2.425	9.1	19.6
12 17	3 12.64	+28 57.7	1.547	2.431	12.8	19.8
12 27	3 9.69	+27 46.4	1.630	2.438	16.2	20.1

301208 2009 AL_{41} 11 18.5 133°.97 0°.3/18.3 18

10 18	4 1.71	+20 0.5	1.888	2.745	12.8	21.3
10 28	3 55.33	+19 38.5	1.824	2.751	9.1	21.1
11 7	3 46.95	+19 9.8	1.784	2.756	5.0	20.9
11 17	3 37.43	+18 36.3	1.773	2.761	0.7	20.6
11 27	3 27.90	+18 1.5	1.791	2.766	3.8	20.8
12 7	3 19.44	+17 29.7	1.837	2.771	8.0	21.1
12 17	3 12.90	+17 4.6	1.910	2.776	11.7	21.3
12 27	3 8.84	+16 49.3	2.005	2.780	14.7	21.6

484173 2006 UM_{227} 11 18.5 11°.20 2°.7/17.5 17

10 18	3 58.15	+14 6.4	1.217	2.106	16.2	20.4
10 28	3 53.48	+13 53.4	1.168	2.110	11.6	20.2
11 7	3 46.17	+13 39.9	1.141	2.116	6.5	19.9
11 17	3 37.33	+13 29.1	1.138	2.124	2.7	19.7
11 27	3 28.49	+13 25.2	1.160	2.133	5.9	19.9
12 7	3 21.09	+13 31.2	1.206	2.144	10.8	20.2
12 17	3 16.20	+13 49.1	1.275	2.155	15.2	20.5
12 27	3 14.44	+14 19.2	1.362	2.169	18.8	20.8

210000 2006 JJ_{21} 11 18.5 36°.88 5°.5/16.1 18

10 18	4 0.07	+ 8 2.5	1.432	2.309	14.9	20.0
10 28	3 54.40	+ 7 12.2	1.387	2.319	11.0	19.8
11 7	3 46.49	+ 6 27.2	1.364	2.330	7.2	19.6
11 17	3 37.37	+ 5 53.0	1.367	2.341	5.5	19.6
11 27	3 28.34	+ 5 34.7	1.397	2.352	7.8	19.7
12 7	3 20.62	+ 5 34.9	1.451	2.364	11.4	20.0
12 17	3 15.13	+ 5 53.8	1.529	2.377	15.0	20.2
12 27	3 12.39	+ 6 29.7	1.625	2.390	18.1	20.5

486648 2013 PL_{53} 11 18.5 210°.65 1°.8/19.9 17

10 18	3 58.46	+27 21.9	2.566	3.401	10.6	22.1
10 28	3 52.72	+27 3.3	2.487	3.398	7.8	21.9
11 7	3 45.43	+26 34.5	2.434	3.395	4.8	21.7
11 17	3 37.24	+25 56.2	2.410	3.393	2.1	21.5
11 27	3 28.99	+25 10.7	2.415	3.390	3.1	21.6
12 7	3 21.52	+24 21.9	2.451	3.387	6.1	21.8
12 17	3 15.50	+23 33.8	2.515	3.384	9.1	22.0
12 27	3 11.44	+22 50.6	2.603	3.380	11.7	22.1

312324 2008 CA_{138} 11 18.5 301°.53 5°.4/15.6 18

10 18	3 58.93	+ 6 4.3	1.848	2.714	12.6	20.4
10 28	3 53.37	+ 5 16.1	1.783	2.707	9.5	20.1
11 7	3 45.91	+ 4 32.9	1.742	2.701	6.6	20.0
11 17	3 37.31	+ 3 59.6	1.727	2.694	5.5	19.9
11 27	3 28.61	+ 3 40.7	1.741	2.688	7.3	20.0
12 7	3 20.83	+ 3 38.7	1.781	2.682	10.5	20.2
12 17	3 14.80	+ 3 54.4	1.845	2.676	13.6	20.4
12 27	3 11.11	+ 4 26.6	1.929	2.670	16.4	20.5

10833 1993 VJ_{4} 11 18.5 55°.84 1°.5/19.1 18

10 18	4 6.59	+23 8.1	1.132	2.004	18.4	17.7
10 28	3 59.56	+23 10.9	1.093	2.026	13.3	17.5
11 7	3 49.47	+23 1.0	1.076	2.047	7.5	17.3
11 17	3 37.76	+22 39.2	1.082	2.070	2.0	17.0
11 27	3 26.34	+22 9.8	1.115	2.092	5.0	17.3
12 7	3 16.93	+21 39.5	1.172	2.115	10.4	17.6
12 17	3 10.65	+21 14.6	1.252	2.138	15.0	18.0
12 27	3 8.02	+20 59.9	1.352	2.161	18.8	18.3

46895 1998 RX_{52} 11 18.5 132°.75 0°.4/18.7 18

10 18	4 2.83	+21 15.5	2.012	2.863	12.4	19.8
10 28	3 56.03	+21 8.5	1.949	2.872	8.9	19.6
11 7	3 47.31	+20 54.5	1.911	2.881	5.0	19.4
11 17	3 37.49	+20 34.6	1.902	2.890	0.8	19.1
11 27	3 27.67	+20 11.3	1.922	2.898	3.5	19.4
12 7	3 18.89	+19 48.1	1.972	2.906	7.5	19.6
12 17	3 11.98	+19 28.8	2.048	2.914	11.0	19.9
12 27	3 7.49	+19 16.5	2.147	2.921	13.9	20.1

5662 Wendycalvin 11 18.5 210°.15 3°.8/20.9 18

10 18	4 0.97	+32 11.4	2.236	3.057	12.4	17.8
10 28	3 54.81	+32 13.2	2.159	3.056	9.6	17.6
11 7	3 46.69	+32 0.8	2.107	3.055	6.5	17.4
11 17	3 37.43	+31 33.3	2.082	3.054	4.1	17.3
11 27	3 28.08	+30 52.5	2.086	3.053	4.4	17.3
12 7	3 19.68	+30 2.6	2.118	3.052	7.1	17.5
12 17	3 13.09	+29 9.0	2.178	3.050	10.2	17.7
12 27	3 8.89	+28 17.4	2.262	3.049	12.9	17.9

351809 2006 KN_{96} 11 18.5 119°.96 7°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.27	− 1 4.4	1.917	2.768	12.9	20.8
10 28	3 54.11	− 2 4.8	1.870	2.775	10.3	20.6
11 7	3 46.21	− 2 53.5	1.847	2.783	8.3	20.5
11 17	3 37.37	− 3 25.2	1.850	2.790	7.8	20.5
11 27	3 28.57	− 3 35.9	1.881	2.797	9.2	20.6
12 7	3 20.77	− 3 24.4	1.937	2.803	11.5	20.8
12 17	3 14.72	− 2 52.0	2.017	2.810	14.0	21.0
12 27	3 10.90	− 2 1.7	2.116	2.816	16.2	21.2

298014 2002 PL_{10} 11 18.5 83°.99 0°.6/18.2 18

10 18	4 2.24	+19 42.3	1.779	2.639	13.3	21.1
10 28	3 55.62	+19 8.6	1.731	2.659	9.5	20.9
11 7	3 47.05	+18 28.2	1.706	2.679	5.1	20.7
11 17	3 37.47	+17 43.9	1.710	2.698	0.8	20.5
11 27	3 28.04	+17 0.1	1.742	2.717	4.0	20.7
12 7	3 19.86	+16 21.5	1.803	2.736	8.2	21.0
12 17	3 13.71	+15 51.8	1.890	2.755	11.8	21.3
12 27	3 10.07	+15 33.6	1.999	2.773	14.8	21.5

309929 2009 FG_{52} 11 18.5 64°.95 3°.5/16.8 18

10 18	4 0.57	+10 59.1	1.818	2.685	12.8	21.0
10 28	3 54.55	+10 30.2	1.756	2.686	9.2	20.8
11 7	3 46.56	+10 2.7	1.719	2.687	5.6	20.6
11 17	3 37.43	+ 9 40.0	1.708	2.689	3.5	20.4
11 27	3 28.24	+ 9 25.8	1.727	2.690	5.7	20.6
12 7	3 20.06	+ 9 22.9	1.772	2.691	9.3	20.8
12 17	3 13.74	+ 9 32.5	1.843	2.692	12.8	21.0
12 27	3 9.86	+ 9 54.9	1.935	2.694	15.8	21.2

123860 Davederrick 11 18.5 173°.34 4°.0/15.8 18

10 18	3 57.86	+ 7 1.4	2.477	3.334	10.2	19.7
10 28	3 52.18	+ 6 21.4	2.414	3.335	7.5	19.6
11 7	3 45.10	+ 5 45.0	2.377	3.336	5.1	19.4
11 17	3 37.23	+ 5 15.3	2.369	3.338	4.1	19.4
11 27	3 29.34	+ 4 55.4	2.391	3.338	5.6	19.5
12 7	3 22.16	+ 4 47.5	2.441	3.339	8.1	19.6
12 17	3 16.32	+ 4 52.3	2.517	3.339	10.7	19.8
12 27	3 12.28	+ 5 9.7	2.615	3.339	12.9	20.0

79366 1997 EC_{10} 11 18.5 186°.31 1°.2/19.1 18

10 18	4 4.68	+23 49.7	1.753	2.603	14.0	20.8
10 28	3 57.72	+23 36.1	1.682	2.603	10.2	20.6
11 7	3 48.40	+23 11.6	1.634	2.603	5.9	20.3
11 17	3 37.68	+22 37.1	1.615	2.602	1.6	20.0
11 27	3 26.85	+21 55.9	1.624	2.600	4.0	20.2
12 7	3 17.21	+21 13.1	1.662	2.598	8.4	20.5
12 17	3 9.77	+20 34.2	1.725	2.596	12.4	20.7
12 27	3 5.17	+20 4.1	1.811	2.593	15.8	20.9

261023 2005 SU_{126} 11 18.5 57°.39 0°.7/18.1 18

10 18	3 59.79	+19 1.0	1.882	2.744	12.6	21.2
10 28	3 53.96	+18 35.6	1.822	2.751	9.0	21.0
11 7	3 46.21	+18 4.5	1.786	2.758	4.9	20.8
11 17	3 37.39	+17 29.9	1.777	2.765	0.8	20.5
11 27	3 28.58	+16 55.6	1.798	2.773	3.9	20.7
12 7	3 20.80	+16 25.5	1.847	2.780	8.0	21.0
12 17	3 14.88	+16 3.2	1.921	2.788	11.6	21.3
12 27	3 11.34	+15 51.2	2.018	2.795	14.6	21.5

25963 Elisalin 11 18.5 145°.10 1°.0/18.9 18

10 18	4 6.01	+22 37.3	1.709	2.561	14.2	18.4
10 28	3 58.64	+22 37.4	1.647	2.569	10.3	18.2
11 7	3 48.88	+22 28.3	1.608	2.577	5.9	18.0
11 17	3 37.75	+22 10.5	1.596	2.584	1.4	17.7
11 27	3 26.59	+21 46.6	1.614	2.590	4.0	17.9
12 7	3 16.69	+21 20.9	1.660	2.596	8.5	18.2
12 17	3 9.08	+20 58.2	1.732	2.602	12.4	18.4
12 27	3 4.37	+20 42.7	1.826	2.607	15.7	18.6

457 Alleghenia 11 18.5 25°.76 1°.7/19.7 18

10 18	3 58.38	+27 21.5	1.761	2.613	13.8	15.2
10 28	3 53.08	+26 32.3	1.701	2.622	10.1	15.0
11 7	3 45.75	+25 28.2	1.664	2.631	6.0	14.8
11 17	3 37.33	+24 11.9	1.655	2.641	2.1	14.5
11 27	3 29.01	+22 49.1	1.674	2.651	3.7	14.7
12 7	3 21.89	+21 26.7	1.721	2.662	7.8	15.0
12 17	3 16.78	+20 11.7	1.794	2.673	11.6	15.2
12 27	3 14.20	+19 9.1	1.890	2.685	14.8	15.5

183966 2004 ER_{1} 11 18.5 107°.39 3°.4/16.8 18

10 18	4 3.26	+13 12.1	1.582	2.450	14.2	19.8
10 28	3 56.53	+12 18.4	1.532	2.464	10.2	19.6
11 7	3 47.63	+11 23.6	1.507	2.477	5.9	19.4
11 17	3 37.59	+10 32.6	1.509	2.491	3.4	19.3
11 27	3 27.67	+ 9 50.7	1.539	2.503	6.0	19.5
12 7	3 19.07	+ 9 22.4	1.596	2.516	10.1	19.8
12 17	3 12.68	+ 9 10.0	1.677	2.528	13.8	20.0
12 27	3 9.00	+ 9 13.8	1.779	2.540	16.9	20.3

88894 2001 SX_{313} 11 18.5 308°.40 1°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.58	+15 18.3	1.791	2.654	13.1	19.4
10 28	3 56.25	+15 33.1	1.715	2.644	9.4	19.1
11 7	3 47.66	+15 47.2	1.662	2.634	5.2	18.8
11 17	3 37.62	+16 1.4	1.637	2.625	1.3	18.5
11 27	3 27.30	+16 17.1	1.641	2.615	4.3	18.7
12 7	3 17.92	+16 36.1	1.673	2.606	8.7	19.0
12 17	3 10.50	+17 0.0	1.731	2.597	12.7	19.2
12 27	3 5.74	+17 30.6	1.811	2.588	16.0	19.4

95615 2002 FY_{38} 11 18.5 144°.11 5°.2/15.6 18

10 18	3 59.70	+ 2 30.3	2.433	3.281	10.6	19.7
10 28	3 53.47	+ 2 2.1	2.377	3.288	8.1	19.5
11 7	3 45.80	+ 1 41.0	2.346	3.294	6.0	19.4
11 17	3 37.35	+ 1 30.2	2.345	3.301	5.2	19.4
11 27	3 28.91	+ 1 32.3	2.372	3.307	6.5	19.5
12 7	3 21.25	+ 1 48.2	2.428	3.312	8.8	19.6
12 17	3 14.99	+ 2 17.6	2.510	3.318	11.2	19.8
12 27	3 10.59	+ 2 59.2	2.613	3.323	13.3	20.0

302652 Hauke 11 18.5 174°.73 6°.0/15.6 18

10 18	4 1.37	+ 2 36.5	2.023	2.876	12.3	20.5
10 28	3 54.92	+ 2 2.6	1.963	2.877	9.4	20.3
11 7	3 46.70	+ 1 36.9	1.928	2.878	6.9	20.1
11 17	3 37.48	+ 1 23.5	1.921	2.879	6.0	20.1
11 27	3 28.22	+ 1 25.7	1.942	2.879	7.5	20.2
12 7	3 19.88	+ 1 44.5	1.991	2.880	10.2	20.3
12 17	3 13.22	+ 2 19.6	2.064	2.880	13.0	20.5
12 27	3 8.79	+ 3 8.9	2.159	2.879	15.4	20.7

469243 2016 JC_{13} 11 18.5 107°.09 3°.1/17.3 17

10 18	4 6.69	+13 40.3	1.396	2.265	15.7	21.5
10 28	3 59.16	+13 4.7	1.350	2.282	11.2	21.2
11 7	3 49.13	+12 28.0	1.328	2.299	6.4	21.0
11 17	3 37.79	+11 54.4	1.332	2.316	3.1	20.9
11 27	3 26.64	+11 28.7	1.363	2.332	6.1	21.1
12 7	3 17.06	+11 14.9	1.422	2.347	10.6	21.4
12 17	3 10.05	+11 15.1	1.504	2.362	14.7	21.7
12 27	3 6.14	+11 30.0	1.606	2.376	18.0	21.9

55272 2001 RG_{155} 11 18.5 247°.47 4°.5/15.7 18

10 18	3 59.48	+ 7 0.2	2.219	3.077	11.1	18.4
10 28	3 53.60	+ 6 15.1	2.141	3.063	8.3	18.2
11 7	3 46.02	+ 5 33.0	2.089	3.048	5.6	18.0
11 17	3 37.40	+ 4 58.0	2.065	3.034	4.6	17.9
11 27	3 28.63	+ 4 34.0	2.071	3.018	6.3	18.0
12 7	3 20.59	+ 4 23.8	2.104	3.003	9.2	18.1
12 17	3 14.05	+ 4 28.5	2.163	2.987	12.2	18.3
12 27	3 9.55	+ 4 48.1	2.244	2.971	14.7	18.4

335409 2005 TP_{115} 11 18.5 157°.50 1°.1/19.1 18

10 18	4 4.83	+23 29.5	1.826	2.674	13.6	22.0
10 28	3 57.69	+23 17.3	1.760	2.681	9.9	21.8
11 7	3 48.33	+22 55.0	1.718	2.686	5.6	21.6
11 17	3 37.71	+22 23.5	1.704	2.691	1.4	21.3
11 27	3 27.05	+21 46.1	1.720	2.696	3.8	21.5
12 7	3 17.57	+21 7.5	1.764	2.700	8.1	21.8
12 17	3 10.23	+20 32.8	1.834	2.703	11.9	22.0
12 27	3 5.60	+20 6.1	1.928	2.706	15.1	22.2

49898 1999 XZ_{160} 11 18.5 129°.00 6°.0/16.1 18

10 18	4 5.26	+ 3 52.1	1.758	2.613	13.7	18.7
10 28	3 57.76	+ 3 18.9	1.710	2.627	10.4	18.5
11 7	3 48.26	+ 2 54.1	1.686	2.640	7.3	18.4
11 17	3 37.69	+ 2 42.1	1.690	2.653	6.0	18.3
11 27	3 27.23	+ 2 46.1	1.722	2.666	7.7	18.5
12 7	3 17.98	+ 3 7.1	1.782	2.677	10.8	18.7
12 17	3 10.77	+ 3 44.2	1.866	2.688	13.8	18.9
12 27	3 6.12	+ 4 35.2	1.971	2.699	16.5	19.1

223114 2002 VX_{29} 11 18.5 325°.51 0°.2/18.6 18

10 18	3 59.68	+21 51.8	1.217	2.097	16.8	19.7
10 28	3 55.02	+21 24.1	1.144	2.081	12.3	19.4
11 7	3 47.31	+20 43.4	1.091	2.066	6.9	19.1
11 17	3 37.61	+19 51.9	1.063	2.051	1.0	18.6
11 27	3 27.53	+18 55.6	1.060	2.038	5.1	18.9
12 7	3 18.82	+18 2.2	1.081	2.025	11.0	19.2
12 17	3 12.83	+17 19.3	1.125	2.013	16.2	19.4
12 27	3 10.39	+16 52.4	1.187	2.002	20.5	19.7

68325 Begues 11 18.5 269°.28 7°.4/13.5 18

10 18	3 57.89	− 3 14.1	2.349	3.189	11.2	19.3
10 28	3 52.37	− 4 8.9	2.279	3.173	9.2	19.1
11 7	3 45.31	− 4 53.4	2.233	3.158	7.7	19.0
11 17	3 37.31	− 5 22.7	2.215	3.142	7.5	19.0
11 27	3 29.19	− 5 33.1	2.224	3.126	8.7	19.0
12 7	3 21.74	− 5 22.9	2.259	3.109	10.8	19.1
12 17	3 15.66	− 4 52.7	2.317	3.093	13.0	19.2
12 27	3 11.47	− 4 4.6	2.396	3.076	15.0	19.4

139050 2001 EA_{22} 11 18.5 226°.37 0°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.75	+22 46.9	1.602	2.460	14.6	19.9
10 28	3 57.26	+22 15.1	1.528	2.454	10.6	19.6
11 7	3 48.26	+21 31.5	1.477	2.448	6.0	19.4
11 17	3 37.72	+20 38.1	1.453	2.441	1.0	19.0
11 27	3 27.03	+19 39.6	1.458	2.434	4.3	19.2
12 7	3 17.56	+18 42.5	1.490	2.427	9.2	19.5
12 17	3 10.41	+17 53.3	1.547	2.419	13.5	19.7
12 27	3 6.24	+17 16.8	1.626	2.411	17.2	20.0

21409 Forbes 11 18.5 176°.64 2°.3/17.3 17

10 18	4 3.62	+15 50.1	1.689	2.553	13.7	19.2
10 28	3 56.87	+15 1.1	1.624	2.555	9.8	18.9
11 7	3 47.90	+14 7.4	1.584	2.556	5.5	18.7
11 17	3 37.67	+13 13.2	1.572	2.557	2.3	18.5
11 27	3 27.40	+12 23.9	1.588	2.558	5.3	18.7
12 7	3 18.32	+11 44.4	1.633	2.557	9.5	18.9
12 17	3 11.35	+11 18.6	1.702	2.557	13.4	19.2
12 27	3 7.10	+11 8.3	1.793	2.555	16.7	19.4

203641 2002 GZ_{81} 11 18.5 145°.77 0°.8/18.2 18

10 18	4 3.36	+17 40.0	1.887	2.745	12.8	20.3
10 28	3 56.55	+17 33.6	1.823	2.750	9.1	20.1
11 7	3 47.69	+17 23.1	1.784	2.756	5.0	19.9
11 17	3 37.65	+17 9.9	1.773	2.761	0.9	19.6
11 27	3 27.55	+16 56.7	1.791	2.765	4.0	19.8
12 7	3 18.51	+16 46.6	1.838	2.770	8.1	20.1
12 17	3 11.41	+16 42.4	1.911	2.774	11.8	20.3
12 27	3 6.84	+16 46.4	2.007	2.778	14.9	20.6

103637 2000 CF_{32} 11 18.5 235°.09 2°.4/17.0 18

10 18	4 0.29	+13 48.4	2.186	3.045	11.2	20.1
10 28	3 54.22	+13 9.6	2.106	3.033	8.1	19.9
11 7	3 46.39	+12 28.6	2.051	3.021	4.7	19.7
11 17	3 37.48	+11 48.6	2.025	3.009	2.4	19.5
11 27	3 28.42	+11 13.2	2.030	2.996	4.7	19.6
12 7	3 20.15	+10 46.1	2.063	2.982	8.2	19.8
12 17	3 13.44	+10 29.9	2.123	2.968	11.5	20.0
12 27	3 8.87	+10 26.2	2.205	2.954	14.3	20.2

326040 2010 XG_{75} 11 18.5 219°.91 2°.6/20.4 17

10 18	4 0.28	+29 26.3	2.402	3.230	11.4	21.7
10 28	3 54.20	+29 16.1	2.320	3.225	8.6	21.5
11 7	3 46.36	+28 53.7	2.264	3.220	5.5	21.3
11 17	3 37.48	+28 19.4	2.236	3.215	2.9	21.1
11 27	3 28.50	+27 35.0	2.237	3.210	3.6	21.1
12 7	3 20.36	+26 44.8	2.269	3.204	6.6	21.3
12 17	3 13.85	+25 53.4	2.328	3.198	9.7	21.5
12 27	3 9.50	+25 5.8	2.411	3.192	12.4	21.7

172306 2002 TV_{250} 11 18.5 46°.82 0°.5/18.8 18

10 18	4 1.67	+22 7.4	1.501	2.367	15.0	19.6
10 28	3 55.59	+21 47.3	1.454	2.385	10.8	19.4
11 7	3 47.19	+21 17.6	1.431	2.403	6.0	19.2
11 17	3 37.58	+20 40.4	1.433	2.422	1.0	18.9
11 27	3 28.12	+20 0.1	1.463	2.441	4.1	19.1
12 7	3 20.08	+19 22.3	1.520	2.460	8.8	19.5
12 17	3 14.37	+18 51.7	1.602	2.480	12.8	19.8
12 27	3 11.51	+18 31.9	1.705	2.500	16.1	20.0

34411 2000 RR_{96} 11 18.5 49°.18 0°.6/18.1 18

10 18	3 56.57	+19 42.9	2.403	3.259	10.4	18.3
10 28	3 51.36	+19 3.2	2.339	3.266	7.4	18.2
11 7	3 44.70	+18 17.9	2.302	3.274	4.0	18.0
11 17	3 37.26	+17 29.5	2.293	3.282	0.7	17.7
11 27	3 29.84	+16 41.5	2.315	3.289	3.2	17.9
12 7	3 23.21	+15 57.6	2.366	3.297	6.6	18.2
12 17	3 18.00	+15 21.0	2.444	3.305	9.6	18.4
12 27	3 14.66	+14 54.2	2.546	3.313	12.2	18.6

3443 Leetsungdao 11 18.5 83°.00 6°.1/15.3 18 R

10 18	4 4.87	+ 7 9.4	1.561	2.425	14.6	16.8
10 28	3 57.37	+ 5 41.0	1.534	2.459	10.8	16.7
11 7	3 47.95	+ 4 19.3	1.533	2.491	7.3	16.5
11 17	3 37.68	+ 3 11.3	1.558	2.524	6.2	16.6
11 27	3 27.81	+ 2 22.9	1.612	2.555	8.2	16.7
12 7	3 19.42	+ 1 56.7	1.692	2.586	11.3	17.0
12 17	3 13.26	+ 1 52.5	1.795	2.616	14.4	17.3
12 27	3 9.71	+ 2 8.1	1.918	2.645	16.9	17.5

224140 2005 QK_{42} 11 18.5 20°.09 1°.8/17.8 18

10 18	4 0.08	+17 6.1	1.047	1.939	17.9	19.5
10 28	3 55.18	+16 41.5	1.003	1.947	12.8	19.2
11 7	3 47.26	+16 11.4	0.979	1.956	7.0	18.9
11 17	3 37.63	+15 40.0	0.978	1.966	1.9	18.7
11 27	3 28.06	+15 12.9	1.001	1.977	5.9	19.0
12 7	3 20.24	+14 55.9	1.048	1.990	11.5	19.3
12 17	3 15.32	+14 52.5	1.116	2.004	16.3	19.6
12 27	3 13.91	+15 4.2	1.202	2.019	20.3	19.9

292003 2006 QD_{118} 11 18.5 63°.08 2°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.86	+15 2.5	1.711	2.579	13.4	20.4
10 28	3 54.80	+14 31.8	1.658	2.590	9.5	20.2
11 7	3 46.72	+13 58.8	1.630	2.602	5.3	20.0
11 17	3 37.55	+13 26.8	1.629	2.614	2.2	19.8
11 27	3 28.43	+12 59.8	1.656	2.626	4.9	20.0
12 7	3 20.48	+12 41.5	1.711	2.639	8.9	20.3
12 17	3 14.52	+12 34.3	1.790	2.651	12.6	20.5
12 27	3 11.09	+12 39.3	1.892	2.663	15.6	20.8

217233 2003 BT_{61} 11 18.5 192°.36 19°.2/ 9.4 17

10 18	4 6.37	−19 26.7	1.204	2.013	21.5	19.7
10 28	3 59.39	−21 36.5	1.175	2.013	20.0	19.6
11 7	3 49.48	−23 8.1	1.164	2.012	19.3	19.5
11 17	3 37.93	−23 49.1	1.170	2.011	19.5	19.5
11 27	3 26.47	−23 33.7	1.194	2.009	20.7	19.6
12 7	3 16.71	−22 24.9	1.235	2.007	22.4	19.7
12 17	3 9.82	−20 31.5	1.291	2.005	24.3	19.9
12 27	3 6.39	−18 5.1	1.359	2.002	26.1	20.1

85258 1993 TE_{16} 11 18.5 359°.80 0°.9/18.8 18

10 18	4 1.26	+21 18.4	1.028	1.916	18.6	18.7
10 28	3 56.42	+21 24.1	0.972	1.913	13.5	18.4
11 7	3 48.17	+21 19.3	0.936	1.911	7.6	18.1
11 17	3 37.79	+21 4.9	0.922	1.910	1.5	17.7
11 27	3 27.19	+20 44.4	0.932	1.911	5.4	18.0
12 7	3 18.31	+20 24.1	0.965	1.912	11.4	18.3
12 17	3 12.58	+20 10.2	1.019	1.915	16.7	18.6
12 27	3 10.77	+20 7.4	1.091	1.919	21.1	18.9

169876 2002 RC_{120} 11 18.5 332°.04 12°.8/10.8 18

10 18	3 59.42	−13 36.2	1.758	2.575	15.4	19.9
10 28	3 53.78	−15 7.3	1.717	2.572	13.8	19.8
11 7	3 46.19	−16 15.4	1.697	2.570	12.9	19.8
11 17	3 37.50	−16 52.7	1.700	2.568	13.0	19.8
11 27	3 28.80	−16 54.8	1.726	2.566	14.1	19.8
12 7	3 21.17	−16 21.7	1.773	2.564	15.8	19.9
12 17	3 15.40	−15 17.4	1.838	2.562	17.7	20.1
12 27	3 12.06	−13 47.8	1.920	2.560	19.4	20.2

310562 2001 RC_{15} 11 18.5 62°.26 0°.6/18.9 17

10 18	4 1.11	+23 45.9	1.721	2.578	13.9	20.5
10 28	3 54.99	+23 6.5	1.669	2.595	10.0	20.3
11 7	3 46.82	+22 16.1	1.641	2.612	5.6	20.1
11 17	3 37.59	+21 17.4	1.641	2.629	1.1	19.8
11 27	3 28.50	+20 15.4	1.669	2.646	3.8	20.1
12 7	3 20.68	+19 16.2	1.725	2.663	8.1	20.4
12 17	3 14.95	+18 25.2	1.806	2.680	11.8	20.6
12 27	3 11.81	+17 46.1	1.911	2.697	14.9	20.9

67276 2000 FJ_{42} 11 18.5 102°.56 0°.3/18.7 18

10 18	4 2.57	+20 39.2	1.933	2.787	12.7	19.5
10 28	3 55.97	+20 37.7	1.872	2.797	9.1	19.3
11 7	3 47.38	+20 29.9	1.836	2.807	5.1	19.1
11 17	3 37.68	+20 16.6	1.828	2.816	0.8	18.8
11 27	3 27.95	+20 0.2	1.849	2.826	3.6	19.0
12 7	3 19.29	+19 44.0	1.899	2.835	7.6	19.3
12 17	3 12.54	+19 31.4	1.976	2.844	11.2	19.5
12 27	3 8.26	+19 25.6	2.075	2.853	14.2	19.8

366171 2012 FS_{81} 11 18.5 128°.57 3°.1/16.8 18

10 18	3 59.31	+ 9 50.6	2.351	3.209	10.6	20.7
10 28	3 53.32	+ 9 31.9	2.289	3.214	7.7	20.5
11 7	3 45.82	+ 9 15.3	2.253	3.219	4.7	20.3
11 17	3 37.47	+ 9 3.4	2.245	3.224	3.1	20.2
11 27	3 29.09	+ 8 58.5	2.268	3.228	4.8	20.3
12 7	3 21.49	+ 9 2.5	2.320	3.233	7.7	20.5
12 17	3 15.34	+ 9 16.1	2.398	3.237	10.6	20.7
12 27	3 11.11	+ 9 39.6	2.499	3.242	13.0	20.9

50462 2000 DU_{60} 11 18.5 151°.43 0°.5/18.2 18

10 18	3 58.28	+18 31.4	2.820	3.669	9.3	19.3
10 28	3 52.42	+18 14.0	2.752	3.675	6.6	19.1
11 7	3 45.27	+17 52.9	2.711	3.682	3.6	18.9
11 17	3 37.39	+17 29.5	2.700	3.688	0.6	18.7
11 27	3 29.49	+17 6.0	2.719	3.693	2.9	18.9
12 7	3 22.27	+16 44.8	2.770	3.699	5.9	19.1
12 17	3 16.30	+16 28.3	2.848	3.704	8.6	19.3
12 27	3 12.01	+16 18.2	2.951	3.708	10.9	19.5

97758 2000 JY_{5} 11 18.5 298°.84 0°.5/18.3 18

10 18	4 1.91	+16 43.4	2.156	3.011	11.5	19.2
10 28	3 55.64	+17 3.1	2.063	2.989	8.3	18.9
11 7	3 47.35	+17 21.5	1.995	2.967	4.6	18.7
11 17	3 37.71	+17 38.8	1.956	2.945	0.8	18.3
11 27	3 27.69	+17 55.8	1.947	2.922	3.7	18.5
12 7	3 18.34	+18 14.2	1.968	2.900	7.6	18.7
12 17	3 10.59	+18 35.4	2.016	2.878	11.3	18.9
12 27	3 5.13	+19 1.6	2.086	2.856	14.4	19.1

331307 2011 EN_{59} 11 18.5 29°.48 4°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.83	+ 5 13.2	2.283	3.140	10.9	20.7
10 28	3 52.31	+ 4 39.7	2.222	3.142	8.2	20.5
11 7	3 45.29	+ 4 11.7	2.186	3.143	5.7	20.3
11 17	3 37.42	+ 3 52.5	2.179	3.144	4.7	20.3
11 27	3 29.51	+ 3 45.0	2.201	3.145	6.2	20.4
12 7	3 22.37	+ 3 51.0	2.250	3.147	8.8	20.5
12 17	3 16.65	+ 4 10.7	2.325	3.148	11.4	20.7
12 27	3 12.85	+ 4 43.3	2.421	3.150	13.7	20.9

158590 2002 NC 11 18.5 110°.27 0°.1/18.5 18

10 18	3 58.73	+20 42.2	2.422	3.273	10.6	20.2
10 28	3 52.90	+20 14.5	2.359	3.283	7.5	20.0
11 7	3 45.58	+19 40.7	2.323	3.293	4.1	19.8
11 17	3 37.45	+19 2.8	2.315	3.303	0.5	19.5
11 27	3 29.35	+18 23.8	2.338	3.313	3.1	19.8
12 7	3 22.07	+17 47.1	2.390	3.323	6.5	20.0
12 17	3 16.27	+17 16.0	2.470	3.332	9.5	20.2
12 27	3 12.39	+16 53.0	2.574	3.342	12.0	20.4

73328 2002 JK_{105} 11 18.5 88°.00 1°.0/17.9 18

10 18	3 59.69	+17 7.5	2.276	3.133	11.0	19.9
10 28	3 53.59	+16 46.8	2.223	3.150	7.7	19.7
11 7	3 45.96	+16 22.9	2.195	3.167	4.2	19.5
11 17	3 37.51	+15 57.8	2.196	3.184	1.1	19.3
11 27	3 29.12	+15 34.2	2.228	3.200	3.5	19.5
12 7	3 21.63	+15 15.0	2.288	3.217	6.9	19.8
12 17	3 15.70	+15 2.6	2.376	3.233	10.0	20.0
12 27	3 11.78	+14 58.5	2.487	3.249	12.5	20.2

487269 2014 PD_{57} 11 18.5 109°.51 2°.5/17.3 18

10 18	4 0.86	+11 30.0	2.231	3.088	11.1	20.8
10 28	3 54.51	+11 25.5	2.168	3.094	8.0	20.6
11 7	3 46.52	+11 22.5	2.132	3.100	4.7	20.4
11 17	3 37.59	+11 22.8	2.124	3.106	2.5	20.3
11 27	3 28.62	+11 28.2	2.146	3.112	4.4	20.4
12 7	3 20.50	+11 40.4	2.198	3.118	7.7	20.6
12 17	3 13.93	+12 0.3	2.276	3.124	10.7	20.8
12 27	3 9.44	+12 28.3	2.377	3.129	13.3	21.0

103725 2000 CF_{98} 11 18.5 16°.21 5°.4/21.8 18

10 18	4 1.32	+35 19.9	1.963	2.779	14.1	19.4
10 28	3 55.41	+35 39.7	1.894	2.782	11.1	19.2
11 7	3 47.23	+35 42.0	1.847	2.785	8.1	19.0
11 17	3 37.69	+35 24.8	1.827	2.789	5.8	18.9
11 27	3 28.05	+34 49.3	1.833	2.793	5.8	18.9
12 7	3 19.55	+34 0.0	1.868	2.797	8.2	19.1
12 17	3 13.16	+33 3.5	1.928	2.802	11.1	19.3
12 27	3 9.50	+32 6.7	2.011	2.807	13.9	19.5

76545 2000 GE_{83} 11 18.5 109°.79 6°.8/15.1 18

10 18	4 1.14	+ 0 13.9	2.013	2.862	12.5	18.8
10 28	3 54.69	− 0 30.4	1.967	2.875	9.7	18.7
11 7	3 46.58	− 1 4.4	1.947	2.888	7.5	18.6
11 17	3 37.59	− 1 23.5	1.953	2.900	6.8	18.6
11 27	3 28.68	− 1 24.6	1.987	2.912	8.2	18.7
12 7	3 20.76	− 1 6.8	2.048	2.923	10.6	18.9
12 17	3 14.53	− 0 31.3	2.133	2.935	13.1	19.0
12 27	3 10.47	+ 0 19.4	2.238	2.946	15.3	19.2

101521 1998 XU_{58} 11 18.5 22°.59 1°.0/18.2 18

10 18	3 58.16	+19 12.1	0.813	1.718	20.2	17.2
10 28	3 54.12	+18 45.7	0.786	1.736	14.4	17.0
11 7	3 46.73	+18 10.5	0.778	1.756	7.8	16.7
11 17	3 37.61	+17 31.4	0.790	1.778	1.3	16.4
11 27	3 28.84	+16 55.7	0.824	1.803	6.0	16.8
12 7	3 22.23	+16 30.5	0.880	1.829	12.0	17.3
12 17	3 18.86	+16 19.9	0.956	1.857	17.1	17.7
12 27	3 19.16	+16 25.3	1.049	1.886	21.1	18.0

485814 2012 DV_{48} 11 18.5 137°.71 6°.6/23.9 18

10 18	4 5.33	+43 45.1	2.701	3.452	12.3	21.3
10 28	3 57.90	+44 12.0	2.631	3.462	10.3	21.2
11 7	3 48.46	+44 20.6	2.583	3.472	8.4	21.0
11 17	3 37.86	+44 8.4	2.561	3.481	7.0	21.0
11 27	3 27.21	+43 35.7	2.567	3.490	6.7	21.0
12 7	3 17.62	+42 45.6	2.601	3.498	7.7	21.0
12 17	3 9.93	+41 43.8	2.662	3.506	9.5	21.2
12 27	3 4.73	+40 36.9	2.748	3.514	11.4	21.3

58649 1997 WL_{38} 11 18.5 46°.71 0°.6/18.8 18

10 18	4 2.22	+22 59.9	1.365	2.233	16.1	18.2
10 28	3 56.27	+22 28.1	1.313	2.244	11.6	18.0
11 7	3 47.73	+21 44.0	1.283	2.255	6.5	17.7
11 17	3 37.76	+20 50.5	1.279	2.267	1.2	17.4
11 27	3 27.89	+19 53.2	1.301	2.279	4.5	17.7
12 7	3 19.54	+18 59.3	1.350	2.291	9.5	18.0
12 17	3 13.75	+18 14.9	1.423	2.303	13.9	18.3
12 27	3 11.07	+17 44.3	1.516	2.316	17.5	18.5

101098 1998 RG_{39} 11 18.5 113°.17 5°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.13	+ 6 34.1	1.712	2.573	13.7	20.2
10 28	3 56.96	+ 5 31.6	1.670	2.592	10.2	20.0
11 7	3 47.85	+ 4 34.9	1.653	2.612	6.9	19.9
11 17	3 37.77	+ 3 49.4	1.664	2.630	5.7	19.9
11 27	3 27.87	+ 3 19.9	1.703	2.649	7.6	20.0
12 7	3 19.23	+ 3 9.0	1.769	2.666	10.7	20.2
12 17	3 12.65	+ 3 16.8	1.859	2.683	13.8	20.5
12 27	3 8.59	+ 3 41.6	1.969	2.699	16.4	20.7

78252 Priscio 11 18.5 53°.68 4°.3/21.5 18

10 18	4 0.63	+34 1.7	2.235	3.050	12.6	19.1
10 28	3 54.61	+34 1.5	2.164	3.054	9.8	18.9
11 7	3 46.66	+33 45.7	2.116	3.059	6.9	18.8
11 17	3 37.62	+33 13.6	2.095	3.063	4.6	18.6
11 27	3 28.54	+32 27.1	2.103	3.068	4.7	18.7
12 7	3 20.47	+31 30.6	2.140	3.072	7.1	18.8
12 17	3 14.23	+30 29.9	2.204	3.077	10.0	19.0
12 27	3 10.37	+29 31.1	2.292	3.082	12.7	19.2

511771 2015 DZ_{216} 11 18.5 183°.91 0°.7/18.9 18

10 18	4 5.65	+21 59.7	1.744	2.596	13.9	22.0
10 28	3 58.49	+21 55.4	1.674	2.597	10.1	21.7
11 7	3 48.94	+21 42.5	1.628	2.597	5.7	21.5
11 17	3 37.95	+21 21.6	1.609	2.597	1.2	21.2
11 27	3 26.82	+20 55.3	1.619	2.596	4.0	21.4
12 7	3 16.87	+20 28.0	1.658	2.594	8.5	21.7
12 17	3 9.11	+20 4.5	1.723	2.592	12.5	21.9
12 27	3 4.22	+19 48.8	1.810	2.589	15.9	22.1

419159 2009 ST_{344} 11 18.5 100°.12 4°.1/20.7 18

10 18	4 4.81	+31 22.0	2.288	3.105	12.3	20.9
10 28	3 57.58	+32 3.4	2.223	3.116	9.5	20.7
11 7	3 48.33	+32 32.4	2.182	3.127	6.5	20.6
11 17	3 37.87	+32 47.2	2.169	3.138	4.4	20.5
11 27	3 27.28	+32 47.5	2.186	3.149	4.7	20.5
12 7	3 17.66	+32 36.2	2.232	3.159	7.2	20.7
12 17	3 9.90	+32 17.6	2.306	3.170	10.0	20.9
12 27	3 4.60	+31 56.7	2.403	3.180	12.5	21.1

480998 2004 DE_{46} 11 18.5 267°.13 3°.4/20.6 17

10 18	4 2.34	+30 25.4	2.013	2.843	13.2	21.6
10 28	3 56.15	+30 21.7	1.923	2.827	10.1	21.3
11 7	3 47.69	+30 3.1	1.856	2.811	6.7	21.1
11 17	3 37.80	+29 28.9	1.817	2.795	3.8	20.9
11 27	3 27.63	+28 40.8	1.807	2.778	4.4	20.9
12 7	3 18.43	+27 43.7	1.825	2.761	7.8	21.1
12 17	3 11.18	+26 43.9	1.870	2.744	11.4	21.3
12 27	3 6.59	+25 47.9	1.938	2.727	14.7	21.4

261407 2005 UM_{476} 11 18.5 236°.18 0°.8/18.0 18

10 18	3 59.43	+18 15.8	2.253	3.109	11.1	21.3
10 28	3 53.62	+17 49.1	2.175	3.102	7.9	21.1
11 7	3 46.11	+17 17.5	2.123	3.094	4.3	20.9
11 17	3 37.57	+16 43.0	2.099	3.087	0.9	20.6
11 27	3 28.92	+16 8.8	2.105	3.079	3.6	20.8
12 7	3 21.05	+15 38.4	2.141	3.071	7.3	21.0
12 17	3 14.72	+15 15.0	2.204	3.063	10.6	21.2
12 27	3 10.49	+15 1.0	2.289	3.054	13.4	21.4

150010 2005 UJ_{217} 11 18.5 65°.24 0°.7/18.3 18

10 18	4 2.71	+16 52.9	1.923	2.782	12.6	19.5
10 28	3 56.06	+17 5.0	1.865	2.793	8.9	19.3
11 7	3 47.46	+17 14.4	1.833	2.804	4.9	19.1
11 17	3 37.75	+17 22.1	1.828	2.816	0.9	18.8
11 27	3 28.01	+17 29.4	1.853	2.828	3.8	19.1
12 7	3 19.32	+17 38.4	1.907	2.840	7.8	19.3
12 17	3 12.50	+17 51.3	1.987	2.851	11.3	19.6
12 27	3 8.13	+18 9.7	2.089	2.863	14.2	19.8

308891 2006 SY_{160} 11 18.5 268°.81 2°.5/17.1 18

10 18	3 59.72	+14 6.0	1.903	2.769	12.3	20.9
10 28	3 54.00	+13 27.4	1.835	2.765	8.8	20.7
11 7	3 46.37	+12 46.6	1.791	2.762	5.1	20.5
11 17	3 37.61	+12 7.1	1.774	2.758	2.5	20.3
11 27	3 28.76	+11 33.2	1.787	2.754	5.0	20.5
12 7	3 20.85	+11 8.5	1.827	2.751	8.8	20.7
12 17	3 14.70	+10 55.9	1.893	2.747	12.3	20.9
12 27	3 10.90	+10 56.5	1.980	2.743	15.3	21.1

33328 Archanaverma 11 18.5 99°.16 2°.3/17.1 18

10 18	3 58.46	+14 10.7	2.236	3.097	10.9	19.1
10 28	3 52.77	+13 28.5	2.178	3.107	7.8	18.9
11 7	3 45.56	+12 44.7	2.145	3.116	4.4	18.7
11 17	3 37.50	+12 2.4	2.141	3.125	2.3	18.6
11 27	3 29.48	+11 25.4	2.167	3.134	4.4	18.7
12 7	3 22.30	+10 56.8	2.222	3.143	7.6	19.0
12 17	3 16.65	+10 38.8	2.303	3.151	10.6	19.2
12 27	3 12.98	+10 32.6	2.407	3.160	13.2	19.4

244938 2003 YY_{33} 11 18.5 8°.50 7°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.32	+ 1 38.5	1.313	2.186	16.3	19.5
10 28	3 55.64	+ 1 17.7	1.263	2.187	12.6	19.3
11 7	3 47.43	+ 1 11.1	1.235	2.190	9.3	19.1
11 17	3 37.77	+ 1 24.0	1.230	2.193	7.9	19.0
11 27	3 28.06	+ 1 59.4	1.251	2.197	9.6	19.1
12 7	3 19.71	+ 2 56.8	1.296	2.203	13.1	19.3
12 17	3 13.76	+ 4 13.1	1.362	2.209	16.6	19.6
12 27	3 10.83	+ 5 43.8	1.448	2.216	19.7	19.8

1042 Amazone 11 18.5 57°.23 0°.8/18.9 18

10 18	4 3.51	+20 9.2	2.231	3.077	11.5	14.8
10 28	3 56.56	+20 45.7	2.164	3.085	8.3	14.6
11 7	3 47.75	+21 18.1	2.124	3.092	4.7	14.4
11 17	3 37.83	+21 45.6	2.112	3.100	1.1	14.1
11 27	3 27.78	+22 8.6	2.132	3.108	3.3	14.3
12 7	3 18.60	+22 28.2	2.181	3.115	6.9	14.6
12 17	3 11.11	+22 46.6	2.258	3.123	10.1	14.8
12 27	3 5.89	+23 6.2	2.360	3.131	12.9	15.0

28057 1998 MM_{37} 11 18.6 76°.61 4°.7/16.0 18

10 18	3 59.10	+ 6 18.1	2.099	2.959	11.6	18.2
10 28	3 53.29	+ 5 43.0	2.045	2.967	8.6	18.0
11 7	3 45.87	+ 5 12.9	2.016	2.975	5.8	17.9
11 17	3 37.57	+ 4 51.6	2.015	2.983	4.7	17.8
11 27	3 29.27	+ 4 42.2	2.042	2.991	6.3	17.9
12 7	3 21.86	+ 4 46.4	2.097	2.999	9.1	18.1
12 17	3 16.04	+ 5 4.6	2.178	3.007	11.9	18.3
12 27	3 12.27	+ 5 35.8	2.280	3.015	14.3	18.5

315978 2009 CQ_{14} 11 18.6 149°.18 3°.6/20.2 16

10 18	4 8.40	+28 54.2	1.560	2.399	15.9	21.6
10 28	4 0.74	+29 1.4	1.496	2.407	12.0	21.4
11 7	3 50.29	+28 52.3	1.455	2.414	7.6	21.2
11 17	3 38.19	+28 25.7	1.440	2.421	3.9	21.0
11 27	3 26.04	+27 44.1	1.453	2.427	5.0	21.1
12 7	3 15.40	+26 53.7	1.494	2.432	9.1	21.3
12 17	3 7.43	+26 2.2	1.561	2.437	13.2	21.6
12 27	3 2.80	+25 16.8	1.649	2.441	16.7	21.8

225643 2001 FN_{96} 11 18.6 235°.59 3°.1/16.9 18

10 18	4 1.80	+11 11.9	2.078	2.936	11.8	20.7
10 28	3 55.44	+10 46.5	1.999	2.925	8.5	20.5
11 7	3 47.19	+10 21.9	1.946	2.914	5.1	20.3
11 17	3 37.78	+10 0.9	1.922	2.902	3.1	20.1
11 27	3 28.17	+ 9 46.8	1.927	2.890	5.2	20.3
12 7	3 19.39	+ 9 42.2	1.960	2.877	8.7	20.5
12 17	3 12.26	+ 9 48.8	2.020	2.864	12.1	20.6
12 27	3 7.38	+10 7.4	2.102	2.850	15.0	20.8

102825 1999 VQ_{183} 11 18.6 60°.60 0°.6/18.2 18

10 18	3 59.56	+19 0.1	2.015	2.874	12.0	19.8
10 28	3 53.77	+18 38.8	1.955	2.883	8.6	19.6
11 7	3 46.20	+18 12.2	1.920	2.892	4.7	19.4
11 17	3 37.63	+17 42.4	1.912	2.901	0.8	19.2
11 27	3 29.06	+17 12.6	1.935	2.910	3.7	19.4
12 7	3 21.47	+16 46.4	1.986	2.919	7.5	19.7
12 17	3 15.61	+16 27.1	2.063	2.928	10.9	19.9
12 27	3 11.99	+16 16.8	2.162	2.938	13.8	20.1

367225 2007 EN_{219} 11 18.6 251°.41 4°.3/15.6 17

10 18	3 57.96	+ 7 29.6	2.352	3.211	10.6	21.6
10 28	3 52.48	+ 6 39.6	2.277	3.200	7.8	21.4
11 7	3 45.47	+ 5 52.1	2.228	3.188	5.3	21.2
11 17	3 37.54	+ 5 10.9	2.208	3.176	4.3	21.1
11 27	3 29.49	+ 4 40.1	2.217	3.164	5.9	21.2
12 7	3 22.14	+ 4 22.3	2.254	3.152	8.7	21.4
12 17	3 16.16	+ 4 18.9	2.317	3.140	11.5	21.5
12 27	3 12.07	+ 4 30.0	2.401	3.127	13.9	21.7

222882 2002 GV_{72} 11 18.6 169°.15 2°.4/16.9 18

10 18	3 58.56	+12 23.3	2.612	3.467	9.7	20.9
10 28	3 52.73	+11 50.4	2.545	3.471	7.0	20.7
11 7	3 45.53	+11 17.3	2.505	3.473	4.1	20.6
11 17	3 37.56	+10 46.4	2.495	3.476	2.4	20.5
11 27	3 29.56	+10 20.6	2.515	3.478	4.2	20.6
12 7	3 22.26	+10 2.5	2.564	3.479	7.0	20.8
12 17	3 16.26	+ 9 53.6	2.641	3.481	9.7	21.0
12 27	3 12.02	+ 9 54.8	2.741	3.481	12.0	21.1

7203 Sigeki 11 18.6 266°.41 1°.7/19.4 18

10 18	4 3.57	+24 38.2	1.723	2.574	14.1	17.2
10 28	3 57.28	+24 32.3	1.637	2.558	10.4	17.0
11 7	3 48.46	+24 14.9	1.574	2.542	6.2	16.7
11 17	3 37.99	+23 46.1	1.539	2.525	2.0	16.4
11 27	3 27.16	+23 8.4	1.531	2.508	4.1	16.5
12 7	3 17.37	+22 26.7	1.552	2.491	8.7	16.7
12 17	3 9.74	+21 47.1	1.598	2.473	13.0	16.9
12 27	3 5.06	+21 15.2	1.666	2.456	16.7	17.2

48052 2001 DZ_{98} 11 18.6 161°.14 5°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.55	+36 28.5	2.225	3.023	13.2	20.0
10 28	3 58.22	+36 38.6	2.152	3.028	10.5	19.8
11 7	3 48.73	+36 31.2	2.102	3.033	7.7	19.7
11 17	3 38.00	+36 4.6	2.079	3.038	5.5	19.5
11 27	3 27.22	+35 20.0	2.085	3.042	5.5	19.6
12 7	3 17.56	+34 22.0	2.120	3.045	7.7	19.7
12 17	3 9.96	+33 17.0	2.183	3.048	10.4	19.9
12 27	3 4.99	+32 12.0	2.269	3.051	13.0	20.1

518381 2017 FX_{160} 11 18.6 17°.86 0°.5/18.3 17

10 18	4 0.22	+17 38.1	2.222	3.078	11.2	21.3
10 28	3 54.21	+17 45.3	2.153	3.079	8.0	21.1
11 7	3 46.47	+17 49.5	2.109	3.080	4.4	20.9
11 17	3 37.70	+17 51.7	2.093	3.082	0.7	20.6
11 27	3 28.82	+17 53.3	2.108	3.083	3.4	20.8
12 7	3 20.75	+17 56.4	2.152	3.085	7.0	21.0
12 17	3 14.27	+18 3.0	2.223	3.087	10.3	21.2
12 27	3 9.91	+18 15.1	2.317	3.089	13.1	21.4

453439 2009 QG_{44} 11 18.6 39°.20 1°.2/19.2 17

10 18	3 59.86	+23 59.0	1.909	2.763	12.8	21.4
10 28	3 54.15	+23 44.7	1.847	2.770	9.3	21.2
11 7	3 46.48	+23 20.6	1.808	2.777	5.4	20.9
11 17	3 37.69	+22 48.2	1.797	2.784	1.5	20.7
11 27	3 28.89	+22 10.4	1.815	2.792	3.5	20.9
12 7	3 21.14	+21 31.7	1.861	2.800	7.5	21.1
12 17	3 15.28	+20 56.8	1.933	2.808	11.1	21.4
12 27	3 11.84	+20 29.4	2.028	2.816	14.1	21.6

159856 2004 JW_{6} 11 18.6 42°.26 12°.2/17.0 17

10 18	4 17.79	− 0 58.3	0.690	1.575	25.4	19.3
10 28	4 6.39	− 2 13.4	0.709	1.636	19.2	19.3
11 7	3 52.49	− 2 54.6	0.746	1.697	14.1	19.3
11 17	3 38.37	− 2 56.9	0.803	1.759	12.2	19.5
11 27	3 26.22	− 2 22.0	0.881	1.820	13.7	19.8
12 7	3 17.38	− 1 17.6	0.980	1.880	16.9	20.2
12 17	3 12.36	+ 0 6.9	1.097	1.940	20.1	20.6
12 27	3 11.08	+ 1 43.6	1.231	1.999	22.6	21.0

294985 2008 EX_{19} 11 18.6 169°.83 1°.6/19.4 17

10 18	4 5.89	+24 40.8	1.806	2.652	13.9	21.8
10 28	3 58.62	+24 34.2	1.737	2.655	10.1	21.6
11 7	3 49.02	+24 16.5	1.692	2.659	6.0	21.3
11 17	3 38.06	+23 48.1	1.675	2.661	1.9	21.1
11 27	3 27.01	+23 11.8	1.687	2.663	3.9	21.2
12 7	3 17.16	+22 32.4	1.728	2.665	8.2	21.5
12 17	3 9.49	+21 55.4	1.795	2.665	12.1	21.7
12 27	3 4.64	+21 25.7	1.885	2.665	15.3	22.0

4281 Pounds 11 18.6 14°.57 0°.4/18.4 18

10 18	4 1.28	+19 52.3	1.318	2.194	16.0	17.0
10 28	3 55.80	+19 31.0	1.260	2.196	11.5	16.7
11 7	3 47.63	+19 1.2	1.225	2.199	6.3	16.4
11 17	3 37.87	+18 25.6	1.214	2.203	0.9	16.1
11 27	3 28.04	+17 49.0	1.230	2.207	4.8	16.4
12 7	3 19.65	+17 17.2	1.271	2.211	10.0	16.7
12 17	3 13.80	+16 55.2	1.335	2.217	14.6	17.0
12 27	3 11.14	+16 46.3	1.420	2.223	18.4	17.2

397619 2007 VH_{307} 11 18.6 51°.24 2°.4/17.6 18

10 18	4 3.01	+12 47.7	1.693	2.559	13.6	20.8
10 28	3 56.52	+12 47.1	1.634	2.565	9.8	20.5
11 7	3 47.85	+12 47.4	1.599	2.571	5.6	20.3
11 17	3 37.91	+12 50.5	1.592	2.577	2.5	20.1
11 27	3 27.92	+12 58.7	1.612	2.583	5.0	20.3
12 7	3 19.05	+13 14.0	1.661	2.589	9.1	20.6
12 17	3 12.24	+13 37.6	1.734	2.595	12.9	20.8
12 27	3 8.09	+14 10.1	1.829	2.602	16.0	21.1

184974 2005 YH_{76} 11 18.6 317°.59 0°.0/18.6 18

10 18	3 55.75	+20 1.3	2.986	3.835	8.8	20.0
10 28	3 50.72	+19 52.9	2.908	3.831	6.3	19.8
11 7	3 44.45	+19 40.4	2.857	3.827	3.5	19.6
11 17	3 37.45	+19 24.8	2.835	3.824	0.5	19.4
11 27	3 30.36	+19 7.9	2.844	3.820	2.6	19.6
12 7	3 23.84	+18 51.8	2.883	3.816	5.5	19.8
12 17	3 18.43	+18 38.5	2.950	3.813	8.1	19.9
12 27	3 14.59	+18 30.2	3.042	3.809	10.4	20.1

513910 2013 YX_{115} 11 18.6 298°.17 2°.3/17.6 18

10 18	4 2.20	+15 11.8	1.456	2.329	14.9	21.3
10 28	3 56.45	+14 48.5	1.382	2.317	10.8	21.0
11 7	3 48.06	+14 21.9	1.331	2.304	6.1	20.7
11 17	3 37.97	+13 55.3	1.305	2.291	2.3	20.4
11 27	3 27.58	+13 33.0	1.307	2.279	5.6	20.6
12 7	3 18.32	+13 19.6	1.335	2.267	10.5	20.9
12 17	3 11.39	+13 18.3	1.386	2.255	15.0	21.1
12 27	3 7.54	+13 31.1	1.457	2.243	18.8	21.3

316955 2001 DH_{87} 11 18.6 175°.09 3°.9/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.79	+33 6.3	2.721	3.526	10.9	20.9
10 28	3 56.00	+33 32.7	2.643	3.528	8.5	20.7
11 7	3 47.47	+33 47.4	2.590	3.529	6.0	20.6
11 17	3 37.87	+33 48.7	2.566	3.530	4.1	20.5
11 27	3 28.13	+33 37.1	2.571	3.531	4.4	20.5
12 7	3 19.16	+33 15.0	2.606	3.531	6.4	20.6
12 17	3 11.73	+32 46.3	2.670	3.531	8.9	20.8
12 27	3 6.41	+32 15.6	2.758	3.531	11.2	20.9

473316 2015 RG_{118} 11 18.6 346°.86 7°.7/14.1 18

10 18	3 56.95	+ 4 38.1	1.446	2.325	14.7	20.0
10 28	3 52.44	+ 3 4.7	1.390	2.318	11.3	19.7
11 7	3 45.70	+ 1 37.5	1.356	2.312	8.5	19.6
11 17	3 37.64	+ 0 25.4	1.348	2.306	7.9	19.5
11 27	3 29.49	− 0 23.9	1.364	2.302	10.0	19.6
12 7	3 22.45	− 0 46.2	1.405	2.298	13.3	19.8
12 17	3 17.49	− 0 41.0	1.467	2.295	16.7	20.0
12 27	3 15.20	− 0 10.9	1.547	2.293	19.6	20.2

82182 2001 HN_{22} 11 18.6 94°.26 0°.6/18.9 18

10 18	4 6.55	+22 32.6	1.580	2.435	15.0	19.7
10 28	3 59.00	+22 10.7	1.534	2.458	10.7	19.5
11 7	3 49.13	+21 38.6	1.511	2.481	6.0	19.2
11 17	3 38.09	+20 58.5	1.516	2.504	1.1	19.0
11 27	3 27.27	+20 14.5	1.549	2.526	4.1	19.2
12 7	3 17.97	+19 32.5	1.611	2.548	8.6	19.6
12 17	3 11.09	+18 57.3	1.698	2.569	12.6	19.8
12 27	3 7.13	+18 33.0	1.807	2.589	15.8	20.1

516011 2015 RH_{254} 11 18.6 70°.21 0°.8/18.1 18

10 18	4 0.25	+19 26.6	1.848	2.710	12.8	21.4
10 28	3 54.45	+18 48.9	1.784	2.713	9.2	21.1
11 7	3 46.67	+18 4.2	1.744	2.717	5.0	20.9
11 17	3 37.77	+17 15.5	1.732	2.720	0.9	20.6
11 27	3 28.86	+16 27.2	1.749	2.724	4.0	20.9
12 7	3 20.99	+15 44.1	1.794	2.727	8.2	21.1
12 17	3 15.01	+15 10.3	1.865	2.731	11.9	21.4
12 27	3 11.46	+14 48.7	1.958	2.735	15.0	21.6

446342 2014 GL_{46} 11 18.6 170°.59 2°.2/17.2 18

10 18	4 1.52	+13 25.1	2.394	3.247	10.6	22.3
10 28	3 54.94	+12 56.1	2.326	3.251	7.6	22.1
11 7	3 46.81	+12 26.2	2.286	3.255	4.4	21.9
11 17	3 37.80	+11 57.7	2.275	3.258	2.2	21.8
11 27	3 28.75	+11 33.7	2.294	3.260	4.2	21.9
12 7	3 20.51	+11 16.7	2.344	3.262	7.4	22.2
12 17	3 13.76	+11 8.8	2.420	3.263	10.4	22.3
12 27	3 8.98	+11 11.0	2.520	3.263	12.9	22.5

239175 2006 KZ_{62} 11 18.6 134°.48 1°.3/19.3 18

10 18	4 3.82	+24 18.8	2.107	2.949	12.3	21.0
10 28	3 56.82	+24 12.5	2.044	2.961	8.9	20.8
11 7	3 47.92	+23 56.9	2.006	2.972	5.2	20.6
11 17	3 37.96	+23 32.7	1.997	2.983	1.6	20.4
11 27	3 28.01	+23 2.3	2.018	2.994	3.4	20.5
12 7	3 19.11	+22 29.7	2.068	3.003	7.1	20.8
12 17	3 12.06	+21 59.0	2.145	3.013	10.5	21.0
12 27	3 7.39	+21 34.2	2.247	3.022	13.3	21.2

77256 2001 FD_{47} 11 18.6 216°.75 3°.6/16.8 18

10 18	4 2.76	+13 13.6	1.574	2.444	14.2	19.6
10 28	3 56.52	+12 18.0	1.508	2.441	10.3	19.4
11 7	3 47.94	+11 20.0	1.466	2.437	6.1	19.1
11 17	3 37.98	+10 24.7	1.451	2.433	3.6	19.0
11 27	3 27.90	+ 9 38.0	1.464	2.428	6.3	19.1
12 7	3 19.00	+ 9 5.0	1.503	2.424	10.5	19.4
12 17	3 12.26	+ 8 48.8	1.566	2.419	14.5	19.6
12 27	3 8.34	+ 8 50.4	1.650	2.414	17.9	19.8

315006 2007 BA_{1} 11 18.6 333°.94 0°.2/18.5 18

10 18	3 59.55	+20 20.3	1.806	2.668	13.0	21.2
10 28	3 54.10	+19 56.5	1.734	2.664	9.4	20.9
11 7	3 46.57	+19 25.1	1.687	2.659	5.2	20.7
11 17	3 37.79	+18 48.4	1.666	2.655	0.7	20.4
11 27	3 28.89	+18 10.0	1.674	2.651	3.9	20.6
12 7	3 20.98	+17 34.6	1.710	2.647	8.2	20.9
12 17	3 14.98	+17 6.3	1.772	2.643	12.1	21.1
12 27	3 11.49	+16 48.5	1.855	2.640	15.4	21.3

365779 2010 XL_{57} 11 18.6 338°.79 0°.1/18.7 18

10 18	3 59.26	+21 23.8	1.964	2.822	12.4	21.1
10 28	3 53.75	+21 0.8	1.892	2.819	8.9	20.8
11 7	3 46.33	+20 30.0	1.845	2.816	5.0	20.6
11 17	3 37.76	+19 53.2	1.826	2.814	0.7	20.3
11 27	3 29.10	+19 13.8	1.835	2.812	3.6	20.5
12 7	3 21.38	+18 36.1	1.873	2.810	7.6	20.8
12 17	3 15.43	+18 4.2	1.937	2.808	11.3	21.0
12 27	3 11.83	+17 41.6	2.024	2.806	14.4	21.2

174204 2002 QM_{63} 11 18.6 30°.93 0°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.90	+21 56.0	1.338	2.209	16.1	20.3
10 28	3 56.16	+21 57.2	1.290	2.223	11.6	20.1
11 7	3 47.79	+21 48.9	1.265	2.237	6.6	19.9
11 17	3 37.96	+21 32.1	1.264	2.252	1.4	19.6
11 27	3 28.20	+21 10.2	1.290	2.268	4.4	19.8
12 7	3 19.96	+20 48.2	1.342	2.285	9.4	20.2
12 17	3 14.27	+20 31.1	1.418	2.302	13.7	20.5
12 27	3 11.72	+20 22.8	1.514	2.320	17.2	20.7

220515 2004 EZ_{21} 11 18.6 260°.10 3°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.38	+12 16.9	1.540	2.411	14.4	20.1
10 28	3 56.37	+11 28.0	1.470	2.402	10.5	19.8
11 7	3 47.94	+10 37.7	1.423	2.393	6.3	19.5
11 17	3 38.01	+ 9 51.0	1.403	2.384	3.9	19.4
11 27	3 27.88	+ 9 13.7	1.410	2.375	6.5	19.5
12 7	3 18.88	+ 8 50.4	1.444	2.365	10.8	19.7
12 17	3 12.06	+ 8 44.1	1.501	2.355	14.9	20.0
12 27	3 8.12	+ 8 55.3	1.578	2.346	18.4	20.2

318283 2004 TM_{35} 11 18.6 331°.12 3°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.53	+28 37.4	2.108	2.941	12.6	20.9
10 28	3 56.18	+29 4.0	2.033	2.940	9.5	20.7
11 7	3 47.72	+29 19.5	1.983	2.939	6.2	20.5
11 17	3 37.98	+29 22.5	1.960	2.937	3.5	20.3
11 27	3 28.03	+29 13.6	1.966	2.936	4.3	20.4
12 7	3 19.00	+28 55.8	2.000	2.935	7.4	20.6
12 17	3 11.84	+28 33.5	2.062	2.934	10.6	20.8
12 27	3 7.17	+28 11.6	2.146	2.933	13.5	21.0

219895 2002 EJ_{109} 11 18.6 10°.34 5°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.10	+ 6 13.4	1.879	2.746	12.4	20.6
10 28	3 52.82	+ 5 15.4	1.822	2.747	9.3	20.4
11 7	3 45.76	+ 4 22.2	1.789	2.748	6.5	20.3
11 17	3 37.69	+ 3 39.0	1.784	2.749	5.5	20.2
11 27	3 29.59	+ 3 10.4	1.805	2.751	7.3	20.3
12 7	3 22.42	+ 2 59.3	1.854	2.753	10.2	20.5
12 17	3 16.94	+ 3 6.3	1.926	2.755	13.2	20.7
12 27	3 13.69	+ 3 30.3	2.019	2.757	15.8	20.9

142279 2002 RH_{121} 11 18.6 341°.59 8°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.27	+37 34.3	1.507	2.329	17.3	18.7
10 28	3 57.74	+38 23.8	1.434	2.320	14.1	18.5
11 7	3 49.02	+38 51.4	1.380	2.312	10.9	18.3
11 17	3 38.19	+38 51.9	1.350	2.304	8.4	18.1
11 27	3 26.94	+38 24.2	1.345	2.298	8.4	18.1
12 7	3 17.09	+37 33.3	1.365	2.292	10.8	18.3
12 17	3 10.07	+36 28.1	1.408	2.287	14.1	18.4
12 27	3 6.74	+35 19.2	1.471	2.283	17.4	18.6

62226 2000 SD_{68} 11 18.6 334°.88 1°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.60	+17 3.8	1.905	2.769	12.4	19.4
10 28	3 54.01	+16 37.8	1.836	2.766	8.9	19.1
11 7	3 46.48	+16 7.5	1.791	2.764	4.9	18.9
11 17	3 37.81	+15 35.5	1.775	2.762	1.4	18.6
11 27	3 29.03	+15 5.4	1.787	2.760	4.2	18.8
12 7	3 21.20	+14 41.1	1.827	2.758	8.2	19.1
12 17	3 15.16	+14 25.6	1.892	2.756	11.8	19.3
12 27	3 11.47	+14 21.0	1.980	2.754	14.9	19.5

520775 2014 SR_{300} 11 18.6 100°.84 4°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.08	+32 43.4	2.519	3.327	11.6	21.1
10 28	3 56.96	+33 17.4	2.456	3.343	9.0	21.0
11 7	3 48.02	+33 38.9	2.418	3.358	6.3	20.8
11 17	3 38.02	+33 46.3	2.408	3.373	4.3	20.7
11 27	3 27.96	+33 40.0	2.428	3.388	4.6	20.8
12 7	3 18.81	+33 22.7	2.478	3.403	6.7	20.9
12 17	3 11.37	+32 58.4	2.555	3.418	9.2	21.1
12 27	3 6.18	+32 32.0	2.657	3.432	11.5	21.3

301507 2009 EX_{28} 11 18.6 307°.87 1°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.89	+23 35.3	1.751	2.605	13.8	21.2
10 28	3 56.67	+23 45.7	1.679	2.601	10.1	21.0
11 7	3 48.10	+23 47.0	1.629	2.597	5.9	20.7
11 17	3 38.05	+23 39.1	1.607	2.593	1.9	20.4
11 27	3 27.79	+23 23.6	1.613	2.590	4.0	20.6
12 7	3 18.61	+23 4.3	1.647	2.586	8.3	20.8
12 17	3 11.53	+22 45.9	1.707	2.583	12.3	21.1
12 27	3 7.25	+22 32.7	1.788	2.579	15.6	21.3

207378 2005 NE_{28} 11 18.6 237°.75 3°.7/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.76	+ 7 25.8	2.715	3.572	9.4	20.6
10 28	3 50.76	+ 6 42.1	2.649	3.571	6.9	20.4
11 7	3 44.51	+ 6 1.1	2.610	3.569	4.7	20.2
11 17	3 37.54	+ 5 26.1	2.599	3.568	3.8	20.2
11 27	3 30.53	+ 5 0.0	2.619	3.566	5.2	20.3
12 7	3 24.14	+ 4 45.0	2.667	3.565	7.5	20.4
12 17	3 18.92	+ 4 42.0	2.741	3.563	9.9	20.6
12 27	3 15.30	+ 4 51.3	2.838	3.562	12.0	20.7

202689 2007 DR_{111} 11 18.6 103°.45 1°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.94	+23 35.6	1.734	2.583	14.1	20.9
10 28	3 58.55	+23 27.4	1.682	2.603	10.2	20.7
11 7	3 48.94	+23 9.0	1.654	2.622	5.9	20.4
11 17	3 38.15	+22 41.4	1.653	2.640	1.6	20.2
11 27	3 27.48	+22 7.9	1.682	2.658	3.8	20.4
12 7	3 18.16	+21 33.2	1.739	2.676	8.1	20.7
12 17	3 11.09	+21 2.3	1.822	2.693	11.9	21.0
12 27	3 6.79	+20 39.3	1.928	2.710	15.0	21.2

320426 2007 VJ_{86} 11 18.6 99°.66 4°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.72	+30 54.5	1.895	2.720	14.1	20.4
10 28	3 59.22	+31 23.7	1.837	2.736	10.8	20.2
11 7	3 49.39	+31 38.2	1.802	2.752	7.3	20.0
11 17	3 38.23	+31 36.1	1.795	2.768	4.5	19.9
11 27	3 27.04	+31 18.5	1.816	2.783	5.0	19.9
12 7	3 17.13	+30 49.5	1.866	2.798	8.0	20.2
12 17	3 9.47	+30 15.0	1.942	2.813	11.3	20.4
12 27	3 4.67	+29 41.1	2.041	2.827	14.1	20.6

448856 2011 UG_{137} 11 18.6 190°.91 0°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.41	+23 18.3	1.999	2.849	12.5	21.4
10 28	3 55.28	+22 56.1	1.927	2.849	9.1	21.2
11 7	3 47.18	+22 24.5	1.879	2.848	5.2	21.0
11 17	3 37.93	+21 44.8	1.860	2.847	1.2	20.7
11 27	3 28.60	+21 0.5	1.870	2.846	3.5	20.9
12 7	3 20.25	+20 16.0	1.908	2.845	7.5	21.1
12 17	3 13.74	+19 36.1	1.974	2.844	11.1	21.3
12 27	3 9.64	+19 4.7	2.062	2.842	14.2	21.5

3972 Richard 11 18.6 54°.07 3°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.74	+13 58.8	1.045	1.932	18.4	16.3
10 28	3 58.36	+13 6.8	1.010	1.951	13.1	16.0
11 7	3 49.02	+12 13.5	0.996	1.970	7.5	15.8
11 17	3 38.17	+11 25.4	1.006	1.990	3.9	15.7
11 27	3 27.64	+10 49.5	1.041	2.010	7.2	15.9
12 7	3 19.05	+10 30.8	1.099	2.031	12.2	16.3
12 17	3 13.47	+10 31.2	1.179	2.052	16.8	16.6
12 27	3 11.37	+10 50.1	1.276	2.073	20.4	16.9

275413 2011 CD_{1} 11 18.6 265°.42 4°.1/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.04	+32 23.7	2.358	3.174	12.0	20.3
10 28	3 55.77	+32 48.3	2.276	3.168	9.3	20.1
11 7	3 47.50	+33 0.2	2.217	3.161	6.5	19.9
11 17	3 37.99	+32 57.7	2.186	3.154	4.4	19.8
11 27	3 28.26	+32 41.2	2.184	3.147	4.7	19.8
12 7	3 19.35	+32 13.7	2.211	3.140	7.1	19.9
12 17	3 12.16	+31 39.6	2.265	3.133	10.0	20.1
12 27	3 7.33	+31 4.3	2.343	3.126	12.6	20.3

331309 2011 EB_{76} 11 18.6 312°.33 6°.7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.21	+ 0 54.4	2.106	2.961	11.7	20.3
10 28	3 52.12	− 0 4.0	2.040	2.952	9.3	20.1
11 7	3 45.40	− 0 54.2	2.000	2.942	7.3	20.0
11 17	3 37.69	− 1 31.0	1.986	2.933	6.8	19.9
11 27	3 29.89	− 1 50.2	2.000	2.924	8.2	20.0
12 7	3 22.84	− 1 49.7	2.040	2.915	10.7	20.1
12 17	3 17.29	− 1 29.5	2.103	2.906	13.2	20.3
12 27	3 13.76	− 0 51.4	2.187	2.898	15.5	20.5

58462 1996 NR 11 18.6 210°.59 3°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.23	+ 6 10.6	3.031	3.879	8.8	20.3
10 28	3 52.43	+ 5 43.3	2.956	3.872	6.5	20.2
11 7	3 45.42	+ 5 19.3	2.907	3.864	4.4	20.0
11 17	3 37.69	+ 5 1.2	2.889	3.855	3.6	20.0
11 27	3 29.89	+ 4 51.2	2.901	3.847	4.8	20.0
12 7	3 22.62	+ 4 50.8	2.943	3.837	7.0	20.2
12 17	3 16.45	+ 5 0.9	3.012	3.827	9.3	20.3
12 27	3 11.78	+ 5 21.2	3.104	3.817	11.3	20.5

90653 1904 $T\text{-}_{3}$ 11 18.6 186°.41 3°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.29	+29 6.9	1.727	2.563	14.8	19.8
10 28	3 59.19	+29 12.6	1.654	2.563	11.2	19.5
11 7	3 49.52	+29 3.2	1.605	2.563	7.2	19.3
11 17	3 38.28	+28 37.6	1.582	2.562	3.8	19.1
11 27	3 26.88	+27 57.8	1.588	2.561	4.7	19.2
12 7	3 16.75	+27 9.2	1.622	2.559	8.6	19.4
12 17	3 8.98	+26 18.8	1.681	2.557	12.5	19.6
12 27	3 4.26	+25 33.3	1.763	2.554	15.8	19.8

302714 2002 TS_{235} 11 18.6 21°.71 5°.2/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.34	+34 40.7	1.317	2.162	18.0	19.5
10 28	3 55.29	+34 9.1	1.263	2.171	14.0	19.3
11 7	3 47.40	+33 11.1	1.230	2.182	9.6	19.1
11 17	3 37.97	+31 47.7	1.220	2.194	5.8	18.9
11 27	3 28.70	+30 5.2	1.236	2.208	5.9	18.9
12 7	3 21.16	+28 14.4	1.277	2.222	9.5	19.2
12 17	3 16.38	+26 27.0	1.343	2.237	13.6	19.5
12 27	3 14.89	+24 52.4	1.431	2.253	17.3	19.8

111368 2001 XR_{131} 11 18.6 93°.23 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.69	+15 13.3	1.599	2.462	14.4	19.4
10 28	3 58.50	+15 11.9	1.547	2.477	10.3	19.2
11 7	3 48.99	+15 8.9	1.519	2.491	5.7	18.9
11 17	3 38.20	+15 5.7	1.517	2.504	1.7	18.7
11 27	3 27.45	+15 5.1	1.545	2.518	4.7	19.0
12 7	3 18.02	+15 9.5	1.600	2.531	9.1	19.2
12 17	3 10.86	+15 21.3	1.680	2.545	13.1	19.5
12 27	3 6.56	+15 41.8	1.782	2.558	16.3	19.8

286158 2001 TW_{253} 11 18.6 92°.11 3°.1/17.2 18

10 18	4 4.82	+12 57.2	1.583	2.449	14.4	20.7
10 28	3 57.74	+12 23.4	1.538	2.469	10.3	20.5
11 7	3 48.49	+11 49.6	1.518	2.488	5.9	20.3
11 17	3 38.12	+11 19.5	1.525	2.508	3.1	20.1
11 27	3 27.93	+10 57.2	1.560	2.527	5.7	20.3
12 7	3 19.10	+10 46.1	1.622	2.546	9.7	20.6
12 17	3 12.50	+10 47.8	1.709	2.564	13.4	20.9
12 27	3 8.64	+11 2.8	1.817	2.582	16.4	21.1

172223 2002 RP_{66} 11 18.6 310°.68 4°.3/21.2 18

10 18	4 1.68	+32 52.4	1.691	2.525	15.2	19.1
10 28	3 56.04	+32 35.0	1.610	2.514	11.8	18.9
11 7	3 47.84	+31 57.3	1.551	2.503	8.0	18.6
11 17	3 38.06	+30 58.6	1.517	2.493	4.8	18.4
11 27	3 28.10	+29 42.1	1.511	2.482	5.2	18.4
12 7	3 19.36	+28 15.0	1.533	2.472	8.7	18.6
12 17	3 12.95	+26 46.3	1.580	2.463	12.6	18.8
12 27	3 9.55	+25 24.5	1.649	2.454	16.2	19.0

40811 1999 TL_{63} 11 18.6 197°.34 1°.2/17.8 18

10 18	3 58.78	+17 7.9	2.519	3.372	10.1	19.7
10 28	3 53.04	+16 35.1	2.444	3.370	7.2	19.5
11 7	3 45.83	+15 58.4	2.397	3.368	4.0	19.3
11 17	3 37.77	+15 20.2	2.378	3.365	1.2	19.1
11 27	3 29.65	+14 43.5	2.390	3.362	3.5	19.3
12 7	3 22.24	+14 11.5	2.432	3.359	6.7	19.5
12 17	3 16.20	+13 46.9	2.502	3.355	9.7	19.7
12 27	3 12.02	+13 31.7	2.595	3.351	12.2	19.8

65775 Reikotosa 11 18.6 65°.87 0°.2/18.5 18

10 18	4 5.57	+21 21.0	1.512	2.373	15.2	19.4
10 28	3 58.22	+20 42.7	1.478	2.406	10.8	19.2
11 7	3 48.69	+19 55.6	1.468	2.439	5.9	19.0
11 17	3 38.15	+19 3.1	1.484	2.473	0.8	18.8
11 27	3 28.00	+18 10.6	1.529	2.505	4.2	19.1
12 7	3 19.45	+17 23.7	1.602	2.538	8.7	19.4
12 17	3 13.31	+16 47.2	1.700	2.570	12.6	19.7
12 27	3 10.01	+16 23.7	1.819	2.602	15.7	20.0

189943 2003 SD_{297} 11 18.6 91°.18 4°.5/21.7 18

10 18	4 1.62	+34 35.9	2.259	3.070	12.6	19.8
10 28	3 55.42	+34 39.2	2.186	3.073	9.9	19.6
11 7	3 47.27	+34 26.7	2.137	3.077	7.0	19.4
11 17	3 37.99	+33 57.6	2.115	3.081	4.8	19.3
11 27	3 28.65	+33 13.3	2.122	3.085	4.9	19.3
12 7	3 20.31	+32 18.2	2.158	3.088	7.2	19.4
12 17	3 13.82	+31 18.2	2.220	3.092	10.0	19.6
12 27	3 9.73	+30 19.2	2.307	3.096	12.6	19.8

6385 Martindavid 11 18.6 197°.02 1°.3/19.4 18 R

10 18	3 59.91	+24 21.7	2.679	3.516	10.1	18.3
10 28	3 53.88	+24 21.3	2.600	3.514	7.4	18.1
11 7	3 46.32	+24 13.5	2.547	3.512	4.3	17.9
11 17	3 37.86	+23 58.9	2.524	3.509	1.5	17.7
11 27	3 29.28	+23 38.8	2.531	3.507	2.8	17.8
12 7	3 21.40	+23 16.1	2.569	3.504	5.9	18.0
12 17	3 14.90	+22 53.7	2.634	3.500	8.8	18.2
12 27	3 10.27	+22 34.8	2.724	3.496	11.3	18.4

311758 2006 TJ_{93} 11 18.6 338°.74 0°.7/19.0 18

10 18	4 0.60	+23 16.2	1.848	2.703	13.1	21.0
10 28	3 54.85	+22 50.1	1.778	2.702	9.5	20.7
11 7	3 47.01	+22 13.7	1.731	2.701	5.4	20.5
11 17	3 37.96	+21 28.9	1.712	2.700	1.2	20.2
11 27	3 28.83	+20 39.6	1.722	2.699	3.7	20.4
12 7	3 20.74	+19 50.8	1.760	2.698	7.9	20.6
12 17	3 14.58	+19 7.7	1.824	2.697	11.7	20.9
12 27	3 10.95	+18 34.4	1.910	2.697	14.9	21.1

178664 2000 QR_{99} 11 18.6 56°.93 2°.6/19.8 18

10 18	4 4.00	+25 49.2	1.789	2.635	13.9	19.5
10 28	3 57.29	+26 13.1	1.735	2.651	10.3	19.3
11 7	3 48.35	+26 26.4	1.704	2.667	6.3	19.1
11 17	3 38.14	+26 28.0	1.700	2.683	2.8	18.9
11 27	3 27.93	+26 19.5	1.725	2.699	4.1	19.0
12 7	3 18.94	+26 4.4	1.778	2.716	7.9	19.3
12 17	3 12.11	+25 47.4	1.857	2.732	11.4	19.5
12 27	3 8.01	+25 33.1	1.958	2.749	14.5	19.8

390744 2003 SS_{139} 11 18.6 73°.03 0°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.00	+22 30.6	1.629	2.488	14.4	21.1
10 28	3 56.60	+22 9.0	1.575	2.502	10.4	20.8
11 7	3 47.96	+21 37.6	1.545	2.516	5.8	20.6
11 17	3 38.09	+20 58.4	1.541	2.529	1.1	20.3
11 27	3 28.29	+20 15.4	1.566	2.543	3.9	20.6
12 7	3 19.81	+19 34.0	1.619	2.557	8.4	20.9
12 17	3 13.56	+18 59.3	1.696	2.571	12.4	21.1
12 27	3 10.08	+18 34.9	1.796	2.585	15.7	21.4

21242 1995 WZ_{41} 11 18.6 16°.27 0°.2/18.8 18

10 18	3 56.75	+33 56.3	0.814	1.696	22.7	15.4
10 28	3 53.28	+30 11.2	0.768	1.705	16.6	15.1
11 7	3 46.36	+25 37.2	0.744	1.718	9.3	14.8
11 17	3 37.84	+20 35.8	0.745	1.733	1.4	14.3
11 27	3 29.91	+15 41.0	0.772	1.750	6.4	14.7
12 7	3 24.29	+11 24.6	0.825	1.770	13.3	15.2
12 17	3 21.89	+ 8 4.7	0.901	1.792	18.9	15.6
12 27	3 22.99	+ 5 44.1	0.995	1.815	23.3	16.0

366544 2002 QL_{109} 11 18.6 96°.14 3°.4/20.9 17

10 18	4 0.90	+31 23.7	2.358	3.179	11.8	21.5
10 28	3 54.78	+31 26.8	2.288	3.186	9.0	21.3
11 7	3 46.88	+31 16.9	2.243	3.192	6.1	21.1
11 17	3 37.94	+30 53.7	2.225	3.198	3.7	21.0
11 27	3 28.96	+30 18.8	2.236	3.205	4.1	21.0
12 7	3 20.90	+29 35.9	2.277	3.211	6.7	21.2
12 17	3 14.53	+28 49.9	2.345	3.217	9.5	21.4
12 27	3 10.39	+28 5.8	2.438	3.223	12.1	21.6

46879 1998 RZ_{4} 11 18.6 243°.41 15°.9/ 7.9 18

10 18	4 2.94	− 8 21.1	1.176	2.031	19.0	18.3
10 28	3 57.15	−11 33.0	1.137	2.025	16.9	18.1
11 7	3 48.52	−14 21.7	1.120	2.019	15.9	18.0
11 17	3 38.19	−16 30.4	1.124	2.012	16.6	18.1
11 27	3 27.76	−17 47.6	1.149	2.005	18.6	18.2
12 7	3 18.82	−18 10.7	1.193	1.998	21.2	18.3
12 17	3 12.53	−17 44.7	1.251	1.991	23.7	18.5
12 27	3 9.58	−16 38.8	1.321	1.983	26.0	18.7

398424 2011 UC_{7} 11 18.6 93°.70 0°.5/18.9 16

10 18	4 3.80	+21 10.8	1.897	2.750	13.0	21.5
10 28	3 56.95	+21 11.4	1.842	2.765	9.3	21.4
11 7	3 48.09	+21 5.0	1.811	2.781	5.2	21.1
11 17	3 38.12	+20 52.6	1.808	2.796	1.0	20.9
11 27	3 28.18	+20 36.4	1.834	2.811	3.6	21.1
12 7	3 19.37	+20 19.9	1.890	2.826	7.6	21.4
12 17	3 12.55	+20 6.6	1.971	2.840	11.2	21.6
12 27	3 8.24	+19 59.7	2.076	2.855	14.2	21.9

351445 2005 JL_{78} 11 18.6 213°.76 2°.2/17.1 18

10 18	4 0.58	+14 39.4	2.348	3.203	10.7	22.3
10 28	3 54.44	+13 54.5	2.269	3.195	7.7	22.1
11 7	3 46.67	+13 6.6	2.217	3.187	4.4	21.8
11 17	3 37.93	+12 18.9	2.195	3.179	2.2	21.7
11 27	3 29.09	+11 35.1	2.203	3.169	4.3	21.8
12 7	3 21.00	+10 58.9	2.240	3.159	7.7	22.0
12 17	3 14.39	+10 33.2	2.305	3.149	10.8	22.2
12 27	3 9.78	+10 19.5	2.393	3.138	13.4	22.4

97814 2000 OY_{46} 11 18.6 43°.37 5°.1/20.6 18

10 18	4 7.65	+29 29.9	0.975	1.844	21.0	18.0
10 28	4 1.00	+29 58.6	0.942	1.867	15.8	17.8
11 7	3 50.70	+30 4.8	0.928	1.890	10.2	17.6
11 17	3 38.47	+29 46.4	0.935	1.915	5.6	17.4
11 27	3 26.61	+29 7.3	0.967	1.941	6.6	17.6
12 7	3 17.14	+28 17.1	1.021	1.967	11.2	17.9
12 17	3 11.30	+27 26.2	1.098	1.994	15.8	18.3
12 27	3 9.58	+26 43.3	1.193	2.021	19.7	18.6

6738 Tanabe 11 18.6 323°.49 0°.3/18.5 18

10 18	4 1.12	+19 57.2	1.229	2.109	16.7	17.6
10 28	3 56.21	+19 42.6	1.156	2.093	12.1	17.2
11 7	3 48.22	+19 18.8	1.104	2.078	6.8	16.9
11 17	3 38.19	+18 47.8	1.076	2.064	1.0	16.5
11 27	3 27.73	+18 14.1	1.073	2.051	5.2	16.7
12 7	3 18.60	+17 43.9	1.095	2.038	10.9	17.0
12 17	3 12.16	+17 23.1	1.139	2.026	16.1	17.3
12 27	3 9.28	+17 16.0	1.202	2.015	20.5	17.5

289518 2005 ES_{178} 11 18.6 206°.83 0°.2/18.5 16

10 18	4 5.15	+20 46.1	1.711	2.567	14.0	21.9
10 28	3 58.27	+20 17.5	1.637	2.562	10.1	21.7
11 7	3 49.00	+19 39.8	1.586	2.557	5.6	21.4
11 17	3 38.28	+18 55.1	1.563	2.552	0.8	21.0
11 27	3 27.39	+18 7.7	1.570	2.545	4.2	21.3
12 7	3 17.65	+17 23.0	1.604	2.538	8.9	21.5
12 17	3 10.09	+16 46.3	1.664	2.531	13.1	21.8
12 27	3 5.38	+16 21.4	1.746	2.522	16.5	22.0

326079 2011 AQ_{77} 11 18.6 66°.01 1°.6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.94	+14 15.1	2.151	3.010	11.4	20.0
10 28	3 54.78	+14 14.8	2.086	3.013	8.2	19.8
11 7	3 46.88	+14 14.0	2.047	3.017	4.6	19.6
11 17	3 37.97	+14 14.2	2.035	3.022	1.7	19.4
11 27	3 28.98	+14 17.1	2.054	3.026	4.0	19.5
12 7	3 20.85	+14 24.8	2.102	3.030	7.5	19.8
12 17	3 14.33	+14 38.6	2.177	3.034	10.8	20.0
12 27	3 9.96	+14 59.6	2.274	3.038	13.5	20.2

426588 2013 SD_{29} 11 18.6 111°.03 1°.4/19.3 18

10 18	4 6.14	+25 13.7	1.459	2.314	16.0	20.6
10 28	3 59.10	+24 44.2	1.403	2.326	11.7	20.4
11 7	3 49.43	+24 0.1	1.369	2.338	6.8	20.1
11 17	3 38.32	+23 3.5	1.362	2.349	1.9	19.9
11 27	3 27.32	+21 59.6	1.383	2.360	4.3	20.1
12 7	3 17.87	+20 56.0	1.431	2.371	9.2	20.4
12 17	3 11.03	+19 59.8	1.504	2.381	13.5	20.7
12 27	3 7.36	+19 16.3	1.598	2.391	17.1	20.9

69175 4550 *P–L* 11 18.6 353°.14 3°.2/19.6 18

10 18	4 2.29	+24 51.7	1.022	1.903	19.2	18.9
10 28	3 57.53	+25 22.2	0.962	1.897	14.3	18.6
11 7	3 49.13	+25 38.9	0.922	1.893	8.7	18.3
11 17	3 38.34	+25 39.7	0.904	1.889	3.6	18.0
11 27	3 27.16	+25 25.9	0.909	1.887	5.8	18.1
12 7	3 17.72	+25 3.7	0.937	1.886	11.5	18.4
12 17	3 11.59	+24 40.8	0.986	1.886	16.8	18.7
12 27	3 9.62	+24 24.6	1.053	1.887	21.3	19.0

358259 2006 TN_{40} 11 18.6 355°.02 1°.1/19.1 18

10 18	4 1.97	+22 37.6	1.773	2.629	13.6	20.9
10 28	3 55.97	+22 43.0	1.704	2.628	9.9	20.7
11 7	3 47.72	+22 40.2	1.658	2.627	5.7	20.5
11 17	3 38.11	+22 29.3	1.639	2.627	1.5	20.2
11 27	3 28.34	+22 12.6	1.649	2.626	3.8	20.3
12 7	3 19.63	+21 53.7	1.687	2.626	8.1	20.6
12 17	3 12.96	+21 36.9	1.750	2.626	12.0	20.8
12 27	3 8.97	+21 26.1	1.835	2.626	15.3	21.1

267844 2003 UX_{224} 11 18.6 251°.30 5°.5/21.3 17

10 18	4 6.20	+35 59.2	2.518	3.310	12.0	20.4
10 28	3 58.90	+36 57.1	2.430	3.301	9.7	20.3
11 7	3 49.37	+37 42.1	2.367	3.291	7.4	20.1
11 17	3 38.36	+38 10.6	2.332	3.282	5.7	20.0
11 27	3 26.93	+38 21.3	2.326	3.272	5.9	20.0
12 7	3 16.24	+38 15.8	2.350	3.262	7.7	20.1
12 17	3 7.31	+37 58.2	2.400	3.252	10.1	20.2
12 27	3 0.88	+37 34.1	2.474	3.242	12.5	20.4

217222 2002 VQ_{86} 11 18.6 358°.59 4°.1/19.9 18

10 18	4 6.46	+27 17.4	1.660	2.503	15.0	19.8
10 28	3 59.58	+28 18.4	1.590	2.502	11.3	19.6
11 7	3 49.92	+29 9.0	1.543	2.501	7.4	19.4
11 17	3 38.45	+29 45.5	1.523	2.501	4.3	19.2
11 27	3 26.61	+30 6.5	1.531	2.501	5.3	19.3
12 7	3 15.94	+30 14.2	1.566	2.501	9.0	19.5
12 17	3 7.66	+30 13.5	1.627	2.502	12.8	19.7
12 27	3 2.60	+30 10.3	1.709	2.503	16.1	19.9

286772 2002 JN_{33} 11 18.6 101°.98 0°.0/18.6 18

10 18	4 1.66	+19 23.7	2.502	3.348	10.4	20.8
10 28	3 55.03	+19 24.3	2.447	3.368	7.4	20.6
11 7	3 46.91	+19 20.7	2.418	3.388	4.1	20.4
11 17	3 38.00	+19 13.7	2.419	3.407	0.6	20.2
11 27	3 29.12	+19 5.0	2.450	3.426	2.9	20.4
12 7	3 21.08	+18 56.9	2.512	3.444	6.2	20.7
12 17	3 14.54	+18 51.7	2.602	3.462	9.1	20.9
12 27	3 9.93	+18 51.4	2.716	3.480	11.6	21.1

416097 2002 PM_{12} 11 18.6 124°.03 3°.4/21.4 18

10 18	4 1.15	+33 14.3	2.655	3.464	11.0	21.5
10 28	3 54.75	+33 2.9	2.587	3.475	8.5	21.4
11 7	3 46.79	+32 38.2	2.543	3.487	5.8	21.2
11 17	3 37.98	+32 0.1	2.528	3.498	3.7	21.1
11 27	3 29.20	+31 10.8	2.543	3.509	3.9	21.1
12 7	3 21.32	+30 14.1	2.588	3.520	6.1	21.3
12 17	3 15.00	+29 14.8	2.662	3.530	8.7	21.5
12 27	3 10.72	+28 17.9	2.761	3.540	11.0	21.6

440030 2002 PB_{43} 11 18.6 32°.95 3°.4/20.5 17

10 18	4 1.80	+29 33.7	1.232	2.093	17.9	20.2
10 28	3 56.24	+29 10.1	1.192	2.115	13.3	20.0
11 7	3 47.89	+28 26.1	1.174	2.137	8.3	19.8
11 17	3 38.12	+27 23.9	1.179	2.161	3.9	19.6
11 27	3 28.65	+26 9.6	1.209	2.186	5.0	19.7
12 7	3 20.98	+24 52.7	1.265	2.211	9.5	20.1
12 17	3 16.11	+23 42.0	1.345	2.238	13.7	20.4
12 27	3 14.50	+22 44.1	1.446	2.265	17.3	20.7

490617 2009 YM_1 11 18.6 338°.22 1°.7/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.99	+14 45.0	1.994	2.859	11.9	20.9
10 28	3 53.59	+14 35.9	1.922	2.852	8.5	20.7
11 7	3 46.33	+14 25.5	1.874	2.846	4.8	20.4
11 17	3 37.94	+14 15.7	1.854	2.840	1.8	20.2
11 27	3 29.38	+14 9.3	1.863	2.835	4.2	20.4
12 7	3 21.66	+14 8.5	1.900	2.830	8.0	20.6
12 17	3 15.61	+14 15.4	1.962	2.825	11.5	20.8
12 27	3 11.81	+14 31.4	2.047	2.821	14.5	21.0

99331 2001 VF_{41} 11 18.6 164°.86 1°.6/19.4 18

10 18	4 7.03	+24 40.3	1.507	2.360	15.7	19.5
10 28	3 59.87	+24 29.6	1.441	2.363	11.5	19.3
11 7	3 49.98	+24 5.9	1.399	2.367	6.7	19.0
11 17	3 38.46	+23 29.9	1.383	2.369	2.1	18.7
11 27	3 26.85	+22 45.1	1.395	2.372	4.4	18.9
12 7	3 16.67	+21 57.7	1.434	2.373	9.2	19.2
12 17	3 9.06	+21 14.6	1.498	2.374	13.6	19.4
12 27	3 4.69	+20 41.3	1.584	2.375	17.3	19.7

259764 2004 BY_4 11 18.6 155°.41 5°.5/15.6 18

10 18	4 1.43	+ 2 33.3	2.288	3.135	11.2	20.7
10 28	3 54.94	+ 1 58.7	2.231	3.142	8.6	20.5
11 7	3 46.91	+ 1 31.4	2.200	3.148	6.3	20.4
11 17	3 38.01	+ 1 15.2	2.198	3.153	5.5	20.4
11 27	3 29.12	+ 1 12.8	2.224	3.159	6.9	20.4
12 7	3 21.06	+ 1 25.5	2.279	3.163	9.3	20.6
12 17	3 14.51	+ 1 53.0	2.359	3.167	11.8	20.8
12 27	3 9.93	+ 2 33.8	2.461	3.171	14.0	21.0

119816 2002 AC_{170} 11 18.6 94°.15 0°.3/18.4 18

10 18	4 0.98	+19 11.5	2.042	2.899	12.0	20.1
10 28	3 54.91	+18 59.5	1.978	2.904	8.6	19.9
11 7	3 47.00	+18 42.4	1.939	2.910	4.7	19.7
11 17	3 38.04	+18 21.7	1.927	2.916	0.7	19.4
11 27	3 29.03	+18 0.0	1.946	2.921	3.5	19.6
12 7	3 20.97	+17 40.7	1.993	2.927	7.4	19.9
12 17	3 14.64	+17 26.8	2.066	2.932	10.9	20.1
12 27	3 10.59	+17 20.8	2.162	2.937	13.8	20.3

515795 2015 LA_{36} 11 18.6 120°.72 0°.6/18.2 18

10 18	4 2.42	+21 33.7	1.882	2.736	13.0	20.8
10 28	3 55.93	+20 29.4	1.821	2.747	9.3	20.6
11 7	3 47.53	+19 15.4	1.786	2.758	5.1	20.4
11 17	3 38.11	+17 55.7	1.780	2.768	0.8	20.1
11 27	3 28.80	+16 36.2	1.804	2.778	3.9	20.4
12 7	3 20.64	+15 23.0	1.856	2.788	8.1	20.6
12 17	3 14.42	+14 21.5	1.936	2.797	11.7	20.9
12 27	3 10.65	+13 35.0	2.038	2.806	14.7	21.1

415598 2014 QF_{325} 11 18.6 70°.46 1°.3/19.4 18

10 18	4 1.59	+24 7.2	2.137	2.982	12.0	20.7
10 28	3 55.23	+24 6.4	2.083	3.002	8.7	20.6
11 7	3 47.12	+23 57.1	2.055	3.021	5.1	20.4
11 17	3 38.06	+23 40.0	2.055	3.041	1.6	20.2
11 27	3 29.06	+23 17.2	2.085	3.061	3.3	20.3
12 7	3 21.08	+22 52.3	2.144	3.081	6.8	20.6
12 17	3 14.86	+22 28.9	2.229	3.100	10.0	20.8
12 27	3 10.88	+22 10.4	2.339	3.120	12.7	21.1

171044 2005 EU_{93} 11 18.6 232°.49 4°.7/16.7 18

10 18	4 3.44	+ 6 10.2	1.886	2.743	12.8	19.9
10 28	3 56.78	+ 5 58.5	1.818	2.739	9.6	19.7
11 7	3 48.11	+ 5 53.1	1.775	2.736	6.4	19.5
11 17	3 38.23	+ 5 57.1	1.760	2.732	4.7	19.4
11 27	3 28.20	+ 6 13.1	1.773	2.728	6.5	19.5
12 7	3 19.11	+ 6 42.2	1.815	2.724	9.8	19.7
12 17	3 11.85	+ 7 24.0	1.881	2.719	13.1	19.9
12 27	3 7.03	+ 8 17.4	1.970	2.715	15.9	20.1

492141 2013 ND_{20} 11 18.6 246°.19 2°.8/16.5 17

10 18	3 57.64	+12 26.0	2.416	3.276	10.3	21.7
10 28	3 52.33	+11 33.0	2.341	3.268	7.4	21.6
11 7	3 45.53	+10 38.7	2.293	3.261	4.5	21.4
11 17	3 37.86	+ 9 46.6	2.273	3.253	2.8	21.2
11 27	3 30.10	+ 9 0.9	2.284	3.245	4.7	21.4
12 7	3 23.04	+ 8 24.8	2.323	3.236	7.7	21.5
12 17	3 17.33	+ 8 0.7	2.390	3.228	10.6	21.7
12 27	3 13.47	+ 7 49.8	2.478	3.220	13.1	21.9

326126 2011 YW_{63} 11 18.6 171°.52 1°.4/17.7 18

10 18	3 59.58	+15 56.5	2.505	3.359	10.2	21.3
10 28	3 53.64	+15 31.4	2.435	3.361	7.2	21.1
11 7	3 46.22	+15 3.8	2.392	3.363	4.0	20.9
11 17	3 37.96	+14 35.6	2.378	3.365	1.4	20.7
11 27	3 29.65	+14 9.6	2.395	3.366	3.6	20.9
12 7	3 22.07	+13 48.6	2.442	3.367	6.8	21.1
12 17	3 15.88	+13 34.7	2.516	3.368	9.7	21.3
12 27	3 11.56	+13 29.6	2.614	3.368	12.2	21.5

152415 2005 UT_{357} 11 18.6 68°.79 4°.0/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.19	+ 9 12.8	1.919	2.784	12.3	20.1
10 28	3 54.28	+ 8 35.8	1.869	2.796	9.0	19.9
11 7	3 46.62	+ 8 1.9	1.843	2.809	5.7	19.7
11 17	3 38.02	+ 7 34.7	1.845	2.821	4.0	19.7
11 27	3 29.46	+ 7 17.9	1.876	2.834	5.9	19.8
12 7	3 21.91	+ 7 13.7	1.934	2.846	9.1	20.0
12 17	3 16.09	+ 7 23.1	2.018	2.859	12.2	20.2
12 27	3 12.50	+ 7 45.6	2.122	2.872	14.8	20.5

397660 2008 AM 11 18.6 82°.80 8°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.45	− 5 47.3	1.837	2.667	14.3	20.6
10 28	3 58.75	− 5 55.1	1.789	2.677	11.7	20.4
11 7	3 49.08	− 5 45.3	1.764	2.688	9.5	20.3
11 17	3 38.37	− 5 14.1	1.766	2.698	8.7	20.3
11 27	3 27.74	− 4 20.1	1.796	2.709	9.7	20.4
12 7	3 18.28	− 3 5.2	1.852	2.719	12.0	20.5
12 17	3 10.80	− 1 33.4	1.933	2.729	14.5	20.7
12 27	3 5.83	+ 0 10.7	2.035	2.740	16.7	20.9

156320 2001 XA_{78} 11 18.6 333°.82 0°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.04	+19 58.8	1.423	2.295	15.3	19.7
10 28	3 55.65	+19 13.3	1.356	2.290	11.0	19.4
11 7	3 47.70	+18 17.9	1.312	2.286	6.1	19.2
11 17	3 38.20	+17 16.2	1.293	2.281	1.1	18.8
11 27	3 28.55	+16 14.6	1.302	2.277	4.9	19.1
12 7	3 20.19	+15 20.0	1.336	2.274	10.0	19.4
12 17	3 14.20	+14 38.3	1.395	2.271	14.5	19.6
12 27	3 11.24	+14 13.0	1.473	2.268	18.2	19.9

108132 2001 GO_{9} 11 18.6 118°.89 3°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.21	+11 1.7	1.663	2.526	14.0	19.9
10 28	3 58.05	+10 27.0	1.613	2.541	10.1	19.7
11 7	3 48.76	+ 9 53.8	1.587	2.555	6.1	19.5
11 17	3 38.33	+ 9 26.1	1.589	2.569	3.7	19.4
11 27	3 27.98	+ 9 7.8	1.619	2.582	6.0	19.6
12 7	3 18.90	+ 9 1.9	1.677	2.595	9.8	19.8
12 17	3 11.96	+ 9 9.7	1.760	2.607	13.4	20.1
12 27	3 7.70	+ 9 31.1	1.863	2.619	16.4	20.3

117809 2005 GR_{178} 11 18.6 294°.60 5°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.02	+ 9 4.0	1.712	2.583	13.2	19.1
10 28	3 53.86	+ 7 38.8	1.638	2.567	9.8	18.9
11 7	3 46.61	+ 6 13.3	1.588	2.551	6.6	18.6
11 17	3 38.05	+ 4 54.4	1.565	2.535	5.5	18.5
11 27	3 29.30	+ 3 49.3	1.570	2.519	7.8	18.6
12 7	3 21.47	+ 3 3.6	1.601	2.504	11.3	18.8
12 17	3 15.49	+ 2 40.1	1.656	2.488	14.9	19.0
12 27	3 12.01	+ 2 38.9	1.730	2.473	17.9	19.2

129372 6291 $P–L$ 11 18.6 89°.56 0°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.71	+22 13.8	1.599	2.453	14.9	20.8
10 28	3 59.18	+21 53.9	1.554	2.479	10.6	20.6
11 7	3 49.37	+21 24.4	1.533	2.503	5.9	20.4
11 17	3 38.42	+20 47.3	1.540	2.528	1.1	20.1
11 27	3 27.70	+20 6.7	1.575	2.552	4.0	20.4
12 7	3 18.47	+19 27.9	1.638	2.575	8.5	20.7
12 17	3 11.62	+18 55.9	1.727	2.598	12.4	21.0
12 27	3 7.65	+18 34.1	1.838	2.620	15.6	21.3

189954 2003 UA_{59} 11 18.6 89°.58 3°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.48	+32 40.5	2.367	3.183	12.0	19.7
10 28	3 55.09	+32 16.3	2.305	3.199	9.1	19.6
11 7	3 47.03	+31 37.5	2.268	3.216	6.1	19.4
11 17	3 38.09	+30 44.6	2.259	3.233	3.6	19.3
11 27	3 29.27	+29 40.7	2.279	3.249	3.9	19.3
12 7	3 21.48	+28 30.8	2.330	3.265	6.5	19.5
12 17	3 15.42	+27 20.5	2.409	3.281	9.3	19.7
12 27	3 11.55	+26 15.0	2.512	3.297	11.8	19.9

395793 2012 WL_{17} 11 18.6 345°.66 2°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.06	+17 26.5	1.302	2.184	15.8	20.6
10 28	3 54.42	+16 44.3	1.237	2.176	11.3	20.4
11 7	3 47.10	+15 55.0	1.194	2.169	6.3	20.1
11 17	3 38.14	+15 3.0	1.176	2.163	2.0	19.8
11 27	3 28.98	+14 14.6	1.184	2.158	5.6	20.0
12 7	3 21.12	+13 36.4	1.216	2.154	10.7	20.3
12 17	3 15.68	+13 13.0	1.272	2.151	15.4	20.5
12 27	3 13.39	+13 6.9	1.346	2.148	19.3	20.8

207162 2005 CH_{47} 11 18.6 323°.12 3°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.59	+13 45.3	1.529	2.403	14.3	20.9
10 28	3 55.21	+13 12.1	1.460	2.394	10.3	20.7
11 7	3 47.44	+12 36.9	1.413	2.386	6.0	20.4
11 17	3 38.19	+12 3.9	1.393	2.377	3.0	20.2
11 27	3 28.72	+11 37.7	1.400	2.369	5.8	20.4
12 7	3 20.35	+11 22.5	1.433	2.362	10.2	20.6
12 17	3 14.12	+11 21.2	1.490	2.355	14.4	20.8
12 27	3 10.72	+11 34.8	1.566	2.348	17.9	21.1

449051 2012 DP_{67} 11 18.6 273°.83 6°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.76	+ 1 28.2	2.177	3.032	11.5	20.9
10 28	3 52.51	+ 0 21.2	2.115	3.025	9.0	20.7
11 7	3 45.68	− 0 38.4	2.077	3.019	7.0	20.6
11 17	3 37.93	− 1 25.4	2.067	3.013	6.6	20.6
11 27	3 30.09	− 1 55.3	2.085	3.007	8.0	20.7
12 7	3 23.02	− 2 5.9	2.129	3.001	10.4	20.8
12 17	3 17.40	− 1 56.7	2.197	2.995	12.9	20.9
12 27	3 13.75	− 1 29.5	2.285	2.989	15.1	21.1

414323 2008 RD_{146} 11 18.6 88°.37 2°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.66	+12 20.3	2.436	3.294	10.3	21.5
10 28	3 52.83	+11 14.2	2.390	3.316	7.3	21.3
11 7	3 45.70	+10 8.0	2.371	3.338	4.4	21.2
11 17	3 37.91	+ 9 5.6	2.382	3.360	2.9	21.1
11 27	3 30.24	+ 8 11.2	2.423	3.381	4.7	21.3
12 7	3 23.42	+ 7 27.9	2.494	3.403	7.5	21.5
12 17	3 17.99	+ 6 57.8	2.591	3.424	10.1	21.7
12 27	3 14.36	+ 6 41.3	2.711	3.444	12.3	21.9

53937 2000 GS_{45} 11 18.6 247°.23 2°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.22	+14 50.1	1.583	2.452	14.2	19.3
10 28	3 56.26	+13 57.0	1.515	2.447	10.2	19.1
11 7	3 47.97	+12 59.6	1.470	2.442	5.9	18.8
11 17	3 38.27	+12 2.8	1.452	2.436	2.9	18.6
11 27	3 28.43	+11 12.5	1.463	2.431	5.8	18.8
12 7	3 19.74	+10 34.1	1.500	2.425	10.2	19.1
12 17	3 13.19	+10 11.3	1.561	2.419	14.2	19.3
12 27	3 9.42	+10 5.6	1.643	2.413	17.6	19.5

386047 2007 EO_{197} 11 18.6 187°.32 0°.9/19.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.49	+22 58.9	1.945	2.792	12.9	22.1
10 28	3 57.62	+22 46.6	1.871	2.792	9.4	21.9
11 7	3 48.63	+22 25.1	1.823	2.791	5.4	21.7
11 17	3 38.36	+21 55.3	1.802	2.790	1.3	21.4
11 27	3 27.97	+21 20.1	1.811	2.788	3.6	21.6
12 7	3 18.62	+20 43.8	1.849	2.785	7.8	21.8
12 17	3 11.22	+20 11.1	1.914	2.782	11.5	22.0
12 27	3 6.40	+19 46.2	2.002	2.779	14.7	22.2

490944 2011 CF_{91} 11 18.6 325°.93 5°.5/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.33	+ 5 27.0	2.014	2.878	11.8	21.4
10 28	3 52.34	+ 4 28.7	1.948	2.871	9.0	21.2
11 7	3 45.64	+ 3 35.1	1.907	2.863	6.4	21.1
11 17	3 37.93	+ 2 51.2	1.894	2.856	5.6	21.0
11 27	3 30.12	+ 2 21.7	1.908	2.850	7.2	21.1
12 7	3 23.12	+ 2 9.4	1.949	2.843	10.1	21.3
12 17	3 17.67	+ 2 15.2	2.014	2.837	12.9	21.4
12 27	3 14.32	+ 2 38.0	2.099	2.831	15.5	21.6

70920 1999 VG_{196} 11 18.6 6°.86 9°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.74	− 0 59.8	1.366	2.232	16.2	18.1
10 28	3 56.01	− 1 33.6	1.316	2.232	12.9	17.9
11 7	3 47.84	− 1 51.2	1.288	2.233	10.1	17.7
11 17	3 38.25	− 1 46.4	1.283	2.235	9.1	17.7
11 27	3 28.61	− 1 15.6	1.304	2.238	10.6	17.8
12 7	3 20.27	− 0 19.3	1.348	2.242	13.7	18.0
12 17	3 14.25	+ 0 58.9	1.414	2.246	16.9	18.2
12 27	3 11.15	+ 2 33.9	1.498	2.252	19.8	18.4

25463 1999 XJ_{21} 11 18.6 298°.96 3°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.42	+13 37.2	1.632	2.506	13.6	18.2
10 28	3 54.29	+12 19.7	1.554	2.488	9.9	18.0
11 7	3 46.92	+10 57.1	1.500	2.470	6.0	17.7
11 17	3 38.13	+ 9 35.5	1.473	2.453	3.9	17.5
11 27	3 29.10	+ 8 22.4	1.473	2.436	6.6	17.7
12 7	3 21.06	+ 7 24.3	1.500	2.419	10.7	17.9
12 17	3 14.99	+ 6 45.9	1.551	2.402	14.7	18.1
12 27	3 11.57	+ 6 28.6	1.622	2.385	18.1	18.3

273573 2007 CY_{8} 11 18.6 177°.54 2°.0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.46	+26 25.4	1.963	2.801	13.2	21.5
10 28	3 58.32	+26 13.7	1.890	2.803	9.8	21.3
11 7	3 49.01	+25 49.9	1.842	2.805	5.9	21.0
11 17	3 38.43	+25 14.3	1.821	2.806	2.3	20.8
11 27	3 27.75	+24 29.7	1.831	2.806	3.7	20.9
12 7	3 18.18	+23 41.0	1.869	2.806	7.6	21.1
12 17	3 10.64	+22 53.8	1.935	2.805	11.3	21.4
12 27	3 5.74	+22 13.4	2.023	2.803	14.5	21.6

232937 2005 BM_{13} 11 18.6 303°.93 1°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.54	+26 9.9	2.180	3.023	11.9	20.4
10 28	3 54.03	+26 2.4	2.098	3.014	8.8	20.2
11 7	3 46.64	+25 44.6	2.040	3.004	5.3	20.0
11 17	3 38.10	+25 16.8	2.011	2.995	2.2	19.7
11 27	3 29.38	+24 41.3	2.010	2.986	3.4	19.8
12 7	3 21.49	+24 1.8	2.038	2.977	7.0	20.0
12 17	3 15.26	+23 22.9	2.093	2.968	10.4	20.2
12 27	3 11.30	+22 49.0	2.172	2.959	13.3	20.4

21578 1998 SN_{27} 11 18.6 202°.70 8°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.07	+49 13.0	2.177	2.904	15.6	17.9
10 28	4 1.96	+49 12.8	2.094	2.902	13.5	17.7
11 7	3 51.10	+48 45.1	2.030	2.899	11.3	17.5
11 17	3 38.72	+47 46.0	1.990	2.896	9.5	17.4
11 27	3 26.43	+46 16.0	1.977	2.892	8.8	17.4
12 7	3 15.75	+44 21.0	1.992	2.888	9.8	17.4
12 17	3 7.77	+42 11.0	2.033	2.884	11.7	17.6
12 27	3 3.08	+39 57.2	2.100	2.880	14.0	17.7

494410 2016 UJ_{64} 11 18.6 172°.84 1°.2/18.2 18

10 18	4 5.46	+16 40.7	1.777	2.634	13.5	21.6
10 28	3 58.40	+16 34.9	1.709	2.636	9.7	21.4
11 7	3 49.10	+16 25.7	1.667	2.638	5.4	21.2
11 17	3 38.46	+16 14.8	1.652	2.640	1.3	20.9
11 27	3 27.70	+16 4.6	1.667	2.641	4.3	21.1
12 7	3 18.04	+15 58.4	1.710	2.641	8.7	21.4
12 17	3 10.44	+15 59.0	1.779	2.641	12.5	21.6
12 27	3 5.55	+16 8.4	1.870	2.641	15.8	21.8

91137 1998 KD_{29} 11 18.6 320°.64 2°.9/17.9 18

10 18	4 5.24	+11 5.5	1.486	2.354	15.0	17.8
10 28	3 58.74	+11 25.8	1.413	2.344	11.0	17.5
11 7	3 49.53	+11 50.7	1.363	2.333	6.4	17.2
11 17	3 38.55	+12 21.5	1.339	2.323	2.9	17.0
11 27	3 27.19	+12 59.2	1.343	2.314	5.7	17.1
12 7	3 16.93	+13 44.6	1.374	2.305	10.4	17.4
12 17	3 8.99	+14 37.6	1.429	2.296	14.7	17.6
12 27	3 4.18	+15 38.3	1.505	2.288	18.4	17.8

472537 2015 DC_{17} 11 18.7 93°.58 3°.6/17.2 18

10 18	4 6.33	+11 37.1	1.483	2.350	15.1	21.1
10 28	3 59.01	+11 9.5	1.439	2.369	10.9	20.9
11 7	3 49.36	+10 43.5	1.419	2.388	6.4	20.7
11 17	3 38.48	+10 22.8	1.425	2.407	3.6	20.6
11 27	3 27.77	+10 11.3	1.459	2.425	6.1	20.8
12 7	3 18.52	+10 11.7	1.520	2.443	10.3	21.1
12 17	3 11.65	+10 25.3	1.605	2.460	14.1	21.4
12 27	3 7.69	+10 51.8	1.711	2.477	17.2	21.6

404740 2014 JL_{26} 11 18.7 268°.12 9°.6/15.8 18

10 18	4 8.11	− 7 28.8	1.837	2.658	14.7	21.0
10 28	4 0.28	− 7 40.3	1.764	2.644	12.3	20.8
11 7	3 50.17	− 7 32.6	1.713	2.629	10.3	20.6
11 17	3 38.64	− 7 0.5	1.689	2.613	9.6	20.6
11 27	3 26.86	− 6 1.4	1.692	2.598	10.7	20.6
12 7	3 16.06	− 4 36.7	1.722	2.582	13.1	20.7
12 17	3 7.25	− 2 50.5	1.777	2.566	15.8	20.9
12 27	3 1.10	− 0 48.5	1.853	2.550	18.4	21.0

324123 2005 YF_{31} 11 18.7 111°.91 3°.6/21.2 18

10 18	4 1.61	+32 22.0	2.264	3.083	12.3	20.4
10 28	3 55.41	+32 15.6	2.193	3.088	9.5	20.2
11 7	3 47.35	+31 54.7	2.146	3.094	6.4	20.0
11 17	3 38.22	+31 19.0	2.127	3.099	4.0	19.9
11 27	3 29.06	+30 30.7	2.136	3.105	4.2	19.9
12 7	3 20.89	+29 34.2	2.175	3.110	6.9	20.1
12 17	3 14.51	+28 35.0	2.242	3.115	9.9	20.3
12 27	3 10.44	+27 38.9	2.333	3.120	12.5	20.5

39228 2000 YX_{28} 11 18.7 44°.40 9°.2/16.8 18

10 18	4 6.60	− 1 34.0	1.222	2.085	17.9	17.5
10 28	3 59.21	− 1 52.1	1.200	2.114	14.0	17.3
11 7	3 49.40	− 1 50.7	1.198	2.144	10.6	17.2
11 17	3 38.48	− 1 25.6	1.221	2.175	9.2	17.2
11 27	3 28.00	− 0 35.8	1.268	2.206	10.6	17.4
12 7	3 19.30	+ 0 35.8	1.340	2.237	13.5	17.7
12 17	3 13.25	+ 2 4.0	1.434	2.269	16.6	18.0
12 27	3 10.28	+ 3 43.5	1.547	2.301	19.3	18.2

125407 2001 VV_{105} 11 18.7 65°.73 1°.6/19.3 18 R

10 18	4 5.85	+22 53.6	1.498	2.357	15.5	19.5
10 28	3 59.07	+23 12.8	1.439	2.364	11.3	19.3
11 7	3 49.61	+23 22.6	1.402	2.371	6.6	19.0
11 17	3 38.56	+23 22.6	1.392	2.378	2.0	18.7
11 27	3 27.39	+23 14.4	1.409	2.386	4.3	18.9
12 7	3 17.61	+23 2.0	1.453	2.393	9.0	19.2
12 17	3 10.32	+22 50.4	1.522	2.401	13.3	19.5
12 27	3 6.21	+22 44.1	1.612	2.409	16.8	19.7

220774 2004 TB_{135} 11 18.7 343°.06 2°.3/17.5 18

10 18	3 58.33	+15 0.3	1.726	2.598	13.1	19.9
10 28	3 53.38	+14 27.2	1.656	2.590	9.4	19.7
11 7	3 46.36	+13 51.3	1.611	2.584	5.3	19.4
11 17	3 38.09	+13 16.0	1.592	2.578	2.3	19.2
11 27	3 29.67	+12 45.6	1.601	2.572	5.0	19.4
12 7	3 22.22	+12 24.1	1.637	2.567	9.1	19.6
12 17	3 16.63	+12 14.4	1.698	2.563	12.9	19.9
12 27	3 13.53	+12 18.0	1.780	2.559	16.1	20.1

313544 2003 AB_{78} 11 18.7 291°.14 0°.7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.82	+16 33.3	1.888	2.745	12.8	20.1
10 28	3 57.37	+16 52.4	1.804	2.731	9.2	19.9
11 7	3 48.65	+17 10.1	1.744	2.716	5.2	19.6
11 17	3 38.44	+17 26.6	1.713	2.701	0.9	19.3
11 27	3 27.87	+17 43.0	1.711	2.687	4.0	19.5
12 7	3 18.13	+18 0.9	1.738	2.672	8.3	19.7
12 17	3 10.26	+18 22.3	1.791	2.658	12.3	19.9
12 27	3 4.99	+18 49.2	1.867	2.643	15.6	20.1

118910 2000 UR_{111} 11 18.7 11°.81 0°.5/18.4 18

10 18	4 0.64	+18 44.1	1.838	2.700	12.9	19.9
10 28	3 54.92	+18 33.7	1.772	2.701	9.2	19.7
11 7	3 47.17	+18 18.2	1.730	2.703	5.1	19.5
11 17	3 38.21	+17 59.2	1.716	2.704	0.8	19.2
11 27	3 29.16	+17 39.7	1.730	2.706	3.9	19.4
12 7	3 21.10	+17 23.2	1.772	2.708	8.1	19.7
12 17	3 14.92	+17 12.8	1.840	2.710	11.8	19.9
12 27	3 11.21	+17 11.0	1.930	2.713	14.9	20.1

13754 1998 SB_{63} 11 18.7 340°.49 8°.7/21.3 18

10 18	4 12.27	+38 10.2	1.742	2.538	16.4	16.4
10 28	4 4.35	+39 55.0	1.669	2.536	13.6	16.2
11 7	3 52.96	+41 22.3	1.619	2.534	10.8	16.0
11 17	3 39.11	+42 24.0	1.594	2.532	9.0	15.9
11 27	3 24.50	+42 55.6	1.596	2.530	9.1	15.9
12 7	3 11.10	+42 58.8	1.625	2.528	11.1	16.1
12 17	3 0.53	+42 40.3	1.678	2.527	13.9	16.2
12 27	2 53.84	+42 10.3	1.752	2.526	16.6	16.4

219111 1998 SP_{73} 11 18.7 64°.21 4°.8/20.9 18

10 18	4 7.32	+32 5.1	2.044	2.860	13.6	19.4
10 28	3 59.68	+32 58.9	1.991	2.883	10.5	19.3
11 7	3 49.78	+33 38.5	1.963	2.905	7.4	19.1
11 17	3 38.59	+34 1.1	1.963	2.928	5.1	19.0
11 27	3 27.35	+34 6.6	1.991	2.951	5.4	19.1
12 7	3 17.30	+33 58.0	2.048	2.974	7.8	19.3
12 17	3 9.40	+33 40.3	2.132	2.997	10.7	19.5
12 27	3 4.25	+33 19.7	2.239	3.019	13.2	19.7

80835 2000 DK_{7} 11 18.7 129°.26 5°.7/16.3 18

10 18	4 4.61	+ 5 33.5	1.689	2.549	13.9	18.8
10 28	3 57.66	+ 4 58.4	1.637	2.558	10.4	18.6
11 7	3 48.63	+ 4 30.2	1.608	2.567	7.1	18.4
11 17	3 38.42	+ 4 13.4	1.607	2.575	5.7	18.3
11 27	3 28.24	+ 4 11.8	1.634	2.583	7.5	18.5
12 7	3 19.23	+ 4 26.8	1.687	2.591	10.8	18.7
12 17	3 12.28	+ 4 58.1	1.765	2.598	14.1	18.9
12 27	3 7.95	+ 5 43.9	1.864	2.605	16.9	19.1

83639 2001 SH_{328} 11 18.7 154°.51 2°.4/20.1 18

10 18	4 2.97	+27 27.6	2.062	2.899	12.7	20.3
10 28	3 56.50	+27 25.5	1.991	2.902	9.5	20.1
11 7	3 48.01	+27 11.7	1.945	2.905	5.9	19.9
11 17	3 38.34	+26 46.1	1.926	2.908	2.7	19.7
11 27	3 28.58	+26 10.9	1.937	2.911	3.8	19.8
12 7	3 19.83	+25 30.4	1.976	2.914	7.2	20.0
12 17	3 12.96	+24 49.6	2.043	2.916	10.7	20.2
12 27	3 8.57	+24 13.3	2.133	2.918	13.6	20.5

153598 2001 SV_{279} 11 18.7 18°.09 1°.5/19.2 18

10 18	4 2.25	+22 25.8	1.122	2.002	17.9	18.4
10 28	3 57.03	+22 37.9	1.072	2.008	13.1	18.1
11 7	3 48.67	+22 39.1	1.043	2.015	7.5	17.9
11 17	3 38.44	+22 29.4	1.036	2.024	2.0	17.5
11 27	3 28.15	+22 12.1	1.054	2.033	4.9	17.8
12 7	3 19.55	+21 52.9	1.097	2.044	10.4	18.1
12 17	3 13.90	+21 37.5	1.162	2.055	15.3	18.4
12 27	3 11.87	+21 30.8	1.245	2.068	19.3	18.7

237877 2002 JZ_{134} 11 18.7 86°.36 0°.4/18.9 18

10 18	4 3.74	+23 5.4	1.753	2.606	13.8	20.4
10 28	3 56.99	+22 27.4	1.703	2.627	9.9	20.2
11 7	3 48.19	+21 39.2	1.677	2.647	5.5	20.0
11 17	3 38.35	+20 43.6	1.679	2.667	1.0	19.7
11 27	3 28.68	+19 45.2	1.711	2.687	3.7	20.0
12 7	3 20.32	+18 49.9	1.770	2.707	8.0	20.3
12 17	3 14.07	+18 2.7	1.856	2.727	11.7	20.5
12 27	3 10.43	+17 27.2	1.965	2.746	14.8	20.8

25840 2000 ER_{57} 11 18.7 48°.10 3°.3/16.5 18

10 18	3 57.76	+11 38.5	2.150	3.015	11.2	18.2
10 28	3 52.51	+10 47.0	2.091	3.020	8.1	18.0
11 7	3 45.69	+ 9 55.5	2.058	3.026	4.9	17.8
11 17	3 38.01	+ 9 8.1	2.054	3.032	3.3	17.7
11 27	3 30.32	+ 8 28.8	2.078	3.038	5.2	17.8
12 7	3 23.47	+ 8 0.9	2.131	3.045	8.3	18.0
12 17	3 18.14	+ 7 46.2	2.209	3.051	11.2	18.2
12 27	3 14.79	+ 7 45.4	2.309	3.058	13.8	18.4

162836 2001 CY_{22} 11 18.7 185°.77 2°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.85	+12 50.2	2.138	2.995	11.5	20.3
10 28	3 55.49	+12 13.1	2.069	2.995	8.3	20.1
11 7	3 47.39	+11 35.0	2.026	2.995	4.9	19.9
11 17	3 38.26	+10 59.1	2.012	2.994	2.7	19.8
11 27	3 29.07	+10 29.1	2.028	2.992	4.8	19.9
12 7	3 20.74	+10 8.3	2.072	2.990	8.2	20.1
12 17	3 14.05	+ 9 58.6	2.143	2.988	11.5	20.3
12 27	3 9.51	+10 1.2	2.237	2.985	14.2	20.5

85536 1997 WN_{31} 11 18.7 6°.34 2°.0/17.9 18

10 18	3 58.44	+17 19.4	1.061	1.955	17.6	18.5
10 28	3 54.30	+16 45.6	1.011	1.955	12.6	18.2
11 7	3 47.17	+16 5.4	0.980	1.956	7.0	17.9
11 17	3 38.25	+15 23.3	0.972	1.959	2.1	17.6
11 27	3 29.24	+14 46.0	0.988	1.964	6.0	17.9
12 7	3 21.83	+14 19.9	1.027	1.970	11.5	18.2
12 17	3 17.21	+14 9.1	1.088	1.978	16.5	18.5
12 27	3 16.04	+14 15.5	1.166	1.987	20.5	18.8

124438 2001 QV_{248} 11 18.7 1°.11 2°.0/19.3 18

10 18	4 4.61	+22 42.6	1.300	2.168	16.7	18.8
10 28	3 58.63	+23 13.8	1.237	2.167	12.3	18.6
11 7	3 49.59	+23 35.9	1.196	2.166	7.2	18.3
11 17	3 38.61	+23 47.6	1.179	2.166	2.4	18.0
11 27	3 27.35	+23 49.7	1.189	2.166	4.8	18.2
12 7	3 17.52	+23 46.0	1.224	2.168	10.0	18.5
12 17	3 10.45	+23 41.8	1.283	2.170	14.7	18.7
12 27	3 6.94	+23 42.1	1.361	2.172	18.6	19.0

260384 2004 VP_{60} 11 18.7 43°.75 0°.2/18.8 18

10 18	3 59.49	+22 46.8	1.862	2.719	12.9	19.9
10 28	3 53.96	+22 4.9	1.805	2.732	9.3	19.7
11 7	3 46.56	+21 13.4	1.774	2.744	5.2	19.5
11 17	3 38.14	+20 15.2	1.769	2.758	0.8	19.2
11 27	3 29.80	+19 15.0	1.794	2.771	3.6	19.4
12 7	3 22.55	+18 18.2	1.847	2.785	7.6	19.7
12 17	3 17.17	+17 29.5	1.926	2.799	11.2	20.0
12 27	3 14.16	+16 52.5	2.028	2.813	14.2	20.2

225475 2000 GQ_{48} 11 18.7 230°.37 0°.6/18.9 18

10 18	4 4.70	+22 3.0	1.769	2.622	13.7	21.3
10 28	3 58.07	+21 52.7	1.691	2.614	10.0	21.1
11 7	3 49.05	+21 33.4	1.636	2.605	5.7	20.8
11 17	3 38.53	+21 6.1	1.608	2.596	1.1	20.5
11 27	3 27.76	+20 33.5	1.609	2.586	3.9	20.7
12 7	3 18.04	+20 0.3	1.639	2.576	8.5	20.9
12 17	3 10.41	+19 31.4	1.695	2.566	12.6	21.1
12 27	3 5.60	+19 11.2	1.772	2.555	16.1	21.4

9731 1982 JD_{1} 11 18.7 158°.14 1°.6/17.7 18

10 18	4 3.75	+17 37.1	1.893	2.749	12.8	18.4
10 28	3 56.97	+16 44.8	1.829	2.756	9.1	18.2
11 7	3 48.23	+15 46.5	1.791	2.763	5.0	18.0
11 17	3 38.39	+14 46.1	1.781	2.768	1.7	17.8
11 27	3 28.57	+13 48.5	1.802	2.773	4.5	18.0
12 7	3 19.85	+12 59.0	1.851	2.777	8.5	18.2
12 17	3 13.04	+12 21.2	1.927	2.781	12.1	18.5
12 27	3 8.70	+11 57.7	2.024	2.784	15.1	18.7

415213 2012 HX_{43} 11 18.7 122°.43 1°.5/19.5 17

10 18	4 1.78	+23 59.5	2.437	3.276	10.9	20.6
10 28	3 55.40	+24 15.3	2.367	3.282	8.0	20.4
11 7	3 47.33	+24 24.2	2.323	3.287	4.7	20.2
11 17	3 38.27	+24 25.7	2.307	3.293	1.7	20.0
11 27	3 29.10	+24 21.1	2.322	3.298	3.1	20.1
12 7	3 20.72	+24 12.7	2.367	3.303	6.3	20.4
12 17	3 13.88	+24 3.4	2.440	3.308	9.4	20.6
12 27	3 9.12	+23 56.3	2.537	3.312	12.0	20.7

176110 2001 DO_{7} 11 18.7 186°.94 0°.8/18.3 18

10 18	4 5.93	+18 10.7	1.816	2.671	13.4	20.7
10 28	3 58.76	+17 58.2	1.745	2.671	9.6	20.5
11 7	3 49.34	+17 40.5	1.699	2.670	5.3	20.2
11 17	3 38.57	+17 19.3	1.681	2.669	1.0	19.9
11 27	3 27.65	+16 57.5	1.692	2.667	4.1	20.1
12 7	3 17.82	+16 38.8	1.732	2.664	8.5	20.4
12 17	3 10.04	+16 26.9	1.798	2.661	12.4	20.6
12 27	3 4.95	+16 24.4	1.887	2.657	15.7	20.9

441655 2008 WD_{80} 11 18.7 307°.66 3°.8/17.2 18

10 18	4 1.93	+11 11.6	1.513	2.386	14.5	21.0
10 28	3 56.33	+10 49.6	1.437	2.369	10.6	20.7
11 7	3 48.20	+10 29.0	1.383	2.353	6.5	20.5
11 17	3 38.42	+10 13.6	1.356	2.338	3.8	20.3
11 27	3 28.29	+10 7.6	1.355	2.322	6.4	20.4
12 7	3 19.18	+10 14.2	1.381	2.307	10.8	20.6
12 17	3 12.24	+10 35.0	1.430	2.292	15.1	20.8
12 27	3 8.24	+11 10.2	1.499	2.278	18.7	21.0

290030 2005 QP_{28} 11 18.7 0°.70 8°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.68	+36 35.5	1.158	2.001	20.1	19.9
10 28	3 58.68	+37 30.3	1.098	1.998	16.3	19.7
11 7	3 49.92	+37 59.2	1.056	1.996	12.3	19.5
11 17	3 38.69	+37 55.8	1.035	1.996	9.3	19.3
11 27	3 27.10	+37 19.7	1.038	1.997	9.2	19.3
12 7	3 17.36	+36 18.0	1.063	1.999	12.1	19.5
12 17	3 11.08	+35 2.5	1.110	2.002	16.0	19.7
12 27	3 9.07	+33 46.2	1.176	2.007	19.7	20.0

304998 2007 TS_{261} 11 18.7 95°.74 1°.1/19.2 18

10 18	4 4.93	+22 54.6	1.868	2.717	13.3	21.2
10 28	3 57.86	+22 54.9	1.815	2.735	9.6	21.0
11 7	3 48.73	+22 46.6	1.785	2.753	5.5	20.8
11 17	3 38.47	+22 30.4	1.784	2.771	1.5	20.6
11 27	3 28.28	+22 8.7	1.812	2.788	3.6	20.8
12 7	3 19.28	+21 45.3	1.869	2.806	7.6	21.0
12 17	3 12.33	+21 24.4	1.952	2.823	11.2	21.3
12 27	3 7.97	+21 9.6	2.058	2.839	14.2	21.5

172666 2003 YB_{113} 11 18.7 291°.39 1°.3/18.1 18

10 18	4 3.23	+15 39.6	1.782	2.644	13.2	19.8
10 28	3 56.91	+15 42.6	1.710	2.639	9.5	19.6
11 7	3 48.37	+15 43.7	1.662	2.634	5.3	19.3
11 17	3 38.44	+15 44.5	1.642	2.629	1.4	19.1
11 27	3 28.31	+15 46.9	1.651	2.625	4.3	19.3
12 7	3 19.16	+15 53.5	1.687	2.620	8.7	19.5
12 17	3 11.97	+16 6.3	1.750	2.615	12.6	19.7
12 27	3 7.42	+16 27.1	1.834	2.611	15.8	20.0

227071 2005 JF_{42} 11 18.7 82°.53 0°.6/18.4 18

10 18	4 7.90	+18 49.2	1.432	2.295	15.8	20.7
10 28	4 0.23	+18 37.0	1.391	2.320	11.2	20.5
11 7	3 50.07	+18 18.5	1.373	2.346	6.1	20.3
11 17	3 38.66	+17 55.9	1.382	2.370	1.0	20.0
11 27	3 27.49	+17 32.8	1.419	2.395	4.5	20.4
12 7	3 17.95	+17 13.8	1.483	2.419	9.3	20.7
12 17	3 10.98	+17 2.7	1.572	2.442	13.4	21.0
12 27	3 7.11	+17 1.9	1.681	2.465	16.8	21.3

514983 2009 EL_{23} 11 18.7 196°.47 4°.7/21.0 18

10 18	4 6.48	+32 43.6	2.155	2.968	13.1	21.3
10 28	3 59.23	+33 22.8	2.077	2.966	10.3	21.1
11 7	3 49.67	+33 48.5	2.023	2.964	7.3	20.9
11 17	3 38.64	+33 57.8	1.996	2.962	5.0	20.8
11 27	3 27.33	+33 50.5	1.998	2.959	5.3	20.8
12 7	3 16.98	+33 29.4	2.030	2.956	7.8	20.9
12 17	3 8.64	+32 59.7	2.088	2.953	10.8	21.1
12 27	3 2.99	+32 27.5	2.169	2.949	13.6	21.3

271330 2003 WS_{41} 11 18.7 284°.63 3°.3/21.2 18

10 18	4 0.14	+32 21.6	2.368	3.187	11.9	20.0
10 28	3 54.44	+31 56.8	2.275	3.171	9.1	19.8
11 7	3 46.89	+31 16.7	2.206	3.155	6.2	19.6
11 17	3 38.23	+30 21.3	2.164	3.139	3.6	19.4
11 27	3 29.41	+29 13.1	2.153	3.123	3.9	19.4
12 7	3 21.44	+27 57.0	2.171	3.107	6.8	19.6
12 17	3 15.12	+26 39.0	2.217	3.091	9.9	19.7
12 27	3 11.02	+25 25.3	2.288	3.075	12.8	19.9

439081 2011 ON_{35} 11 18.7 131°.56 3°.3/17.1 18

10 18	4 3.77	+10 52.6	1.947	2.805	12.5	21.6
10 28	3 56.90	+10 26.4	1.891	2.817	9.0	21.4
11 7	3 48.17	+10 1.8	1.861	2.828	5.4	21.2
11 17	3 38.42	+ 9 41.7	1.859	2.839	3.3	21.1
11 27	3 28.69	+ 9 29.4	1.886	2.849	5.3	21.3
12 7	3 20.00	+ 9 27.3	1.942	2.859	8.8	21.5
12 17	3 13.13	+ 9 36.5	2.024	2.868	12.0	21.7
12 27	3 8.61	+ 9 57.3	2.128	2.877	14.8	22.0

298041 2002 PD_{191} 11 18.7 69°.80 8°.0/23.4 18

10 18	4 8.41	+40 44.9	1.728	2.520	16.7	20.7
10 28	4 1.01	+41 24.5	1.673	2.537	13.7	20.5
11 7	3 50.73	+41 40.0	1.639	2.554	10.7	20.4
11 17	3 38.80	+41 27.5	1.630	2.571	8.5	20.3
11 27	3 26.88	+40 47.7	1.646	2.588	8.2	20.3
12 7	3 16.60	+39 46.6	1.689	2.605	9.9	20.5
12 17	3 9.10	+38 33.1	1.756	2.622	12.5	20.7
12 27	3 5.01	+37 17.1	1.846	2.639	15.1	20.9

45738 2000 HY_{19} 11 18.7 310°.70 4°.1/15.7 18

10 18	3 56.88	+10 6.6	2.152	3.017	11.1	18.0
10 28	3 52.01	+ 8 56.3	2.079	3.007	8.1	17.7
11 7	3 45.51	+ 7 45.9	2.032	2.997	5.3	17.6
11 17	3 38.05	+ 6 40.1	2.013	2.986	4.1	17.5
11 27	3 30.48	+ 5 44.3	2.024	2.976	6.0	17.6
12 7	3 23.66	+ 5 2.4	2.062	2.967	9.0	17.7
12 17	3 18.31	+ 4 36.9	2.125	2.957	12.0	17.9
12 27	3 14.95	+ 4 28.3	2.210	2.948	14.6	18.1

224920 2007 DQ_{30} 11 18.7 358°.28 1°.7/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.50	+17 23.0	1.069	1.961	17.7	19.7
10 28	3 55.17	+16 59.2	1.013	1.957	12.7	19.4
11 7	3 47.75	+16 29.1	0.978	1.954	7.1	19.1
11 17	3 38.40	+15 56.5	0.965	1.952	1.8	18.8
11 27	3 28.85	+15 27.3	0.976	1.952	5.9	19.1
12 7	3 20.87	+15 7.4	1.010	1.953	11.6	19.4
12 17	3 15.73	+15 1.2	1.065	1.956	16.7	19.7
12 27	3 14.17	+15 10.8	1.139	1.960	20.9	20.0

159128 2004 VS_{76} 11 18.7 193°.02 1°.6/17.7 18

10 18	3 59.38	+15 37.5	2.212	3.071	11.1	20.3
10 28	3 53.74	+15 11.6	2.143	3.071	7.9	20.1
11 7	3 46.45	+14 43.2	2.099	3.071	4.4	19.8
11 17	3 38.19	+14 14.7	2.084	3.070	1.7	19.6
11 27	3 29.85	+13 49.0	2.099	3.070	4.0	19.8
12 7	3 22.32	+13 29.2	2.143	3.070	7.4	20.0
12 17	3 16.32	+13 17.8	2.213	3.069	10.7	20.2
12 27	3 12.38	+13 16.3	2.306	3.069	13.4	20.4

291308 2006 BS_{153} 11 18.7 25°.57 1°.3/19.4 18

10 18	4 0.57	+23 56.3	1.974	2.825	12.6	20.8
10 28	3 54.84	+23 53.4	1.907	2.828	9.2	20.6
11 7	3 47.14	+23 41.5	1.864	2.832	5.4	20.4
11 17	3 38.29	+23 21.3	1.849	2.836	1.7	20.1
11 27	3 29.36	+22 55.1	1.863	2.840	3.5	20.3
12 7	3 21.40	+22 26.7	1.905	2.844	7.3	20.5
12 17	3 15.26	+22 0.3	1.973	2.848	10.9	20.7
12 27	3 11.53	+21 39.8	2.064	2.853	13.9	20.9

218180 2002 TM_{29} 11 18.7 29°.95 3°.0/17.7 18

10 18	4 2.09	+14 51.5	0.974	1.868	18.7	19.2
10 28	3 56.82	+14 24.6	0.940	1.884	13.4	18.9
11 7	3 48.47	+13 55.9	0.926	1.901	7.5	18.7
11 17	3 38.48	+13 30.3	0.934	1.920	3.0	18.5
11 27	3 28.72	+13 13.1	0.966	1.940	6.6	18.8
12 7	3 20.87	+13 8.9	1.021	1.961	11.9	19.1
12 17	3 16.04	+13 19.7	1.097	1.983	16.7	19.5
12 27	3 14.75	+13 45.4	1.191	2.006	20.5	19.8

291012 2005 YA_{4} 11 18.7 40°.51 5°.6/21.1 18

10 18	4 6.38	+31 56.5	1.427	2.267	17.1	20.1
10 28	3 59.85	+32 33.7	1.368	2.273	13.3	19.8
11 7	3 50.24	+32 52.4	1.329	2.280	9.2	19.6
11 17	3 38.77	+32 49.0	1.315	2.287	6.0	19.5
11 27	3 27.13	+32 24.5	1.327	2.295	6.4	19.5
12 7	3 17.06	+31 44.4	1.365	2.302	9.9	19.7
12 17	3 9.84	+30 57.2	1.428	2.310	13.7	20.0
12 27	3 6.18	+30 11.4	1.511	2.319	17.2	20.2

422151 2014 QJ_{441} 11 18.7 24°.16 13°.1/24.6 17

10 18	4 17.22	+51 20.7	1.870	2.588	18.1	20.1
10 28	4 8.75	+53 38.9	1.815	2.598	16.2	19.9
11 7	3 55.86	+55 30.5	1.781	2.609	14.5	19.9
11 17	3 39.67	+56 45.5	1.768	2.620	13.4	19.8
11 27	3 22.42	+57 18.1	1.779	2.632	13.1	19.8
12 7	3 6.74	+57 10.9	1.812	2.645	13.8	19.9
12 17	2 54.79	+56 32.6	1.867	2.659	15.1	20.0
12 27	2 47.76	+55 35.8	1.940	2.673	16.6	20.2

243733 2000 LZ_{1} 11 18.7 143°.42 0°.2/18.8 18

10 18	4 3.35	+20 21.1	2.486	3.328	10.6	21.1
10 28	3 56.40	+20 21.6	2.420	3.339	7.6	20.9
11 7	3 47.86	+20 17.1	2.382	3.350	4.2	20.7
11 17	3 38.41	+20 8.2	2.373	3.361	0.7	20.4
11 27	3 28.94	+19 56.5	2.395	3.371	2.9	20.6
12 7	3 20.30	+19 44.7	2.448	3.380	6.3	20.9
12 17	3 13.18	+19 35.3	2.529	3.389	9.4	21.1
12 27	3 8.08	+19 30.6	2.634	3.397	11.9	21.3

285998 2001 SQ_{77} 11 18.7 59°.63 7°.9/22.9 18

10 18	4 7.71	+40 4.1	1.801	2.594	16.1	20.4
10 28	4 0.56	+40 56.8	1.741	2.605	13.2	20.3
11 7	3 50.56	+41 27.6	1.702	2.616	10.4	20.1
11 17	3 38.83	+41 32.1	1.688	2.628	8.3	20.0
11 27	3 26.95	+41 9.9	1.700	2.640	8.1	20.0
12 7	3 16.51	+40 25.6	1.738	2.652	9.8	20.2
12 17	3 8.73	+39 27.3	1.801	2.664	12.4	20.3
12 27	3 4.30	+38 24.1	1.887	2.676	15.0	20.5

518728 2009 FL_{70} 11 18.7 275°.29 1°.6/17.9 18

10 18	4 2.17	+15 27.5	1.853	2.715	12.8	21.2
10 28	3 56.11	+15 17.1	1.779	2.708	9.2	20.9
11 7	3 47.93	+15 4.6	1.729	2.701	5.2	20.7
11 17	3 38.45	+14 51.9	1.706	2.693	1.7	20.4
11 27	3 28.75	+14 41.7	1.713	2.686	4.4	20.6
12 7	3 19.99	+14 36.9	1.747	2.678	8.6	20.8
12 17	3 13.08	+14 40.1	1.808	2.671	12.4	21.1
12 27	3 8.68	+14 53.0	1.890	2.663	15.6	21.3

212374 2006 HG_{18} 11 18.7 154°.81 2°.1/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.77	+14 49.6	1.663	2.521	14.2	20.9
10 28	4 0.12	+14 33.9	1.602	2.529	10.2	20.7
11 7	3 50.12	+14 16.2	1.566	2.537	5.7	20.5
11 17	3 38.76	+13 58.8	1.558	2.544	2.1	20.2
11 27	3 27.37	+13 45.0	1.579	2.550	5.0	20.4
12 7	3 17.23	+13 38.0	1.628	2.555	9.3	20.7
12 17	3 9.34	+13 40.5	1.702	2.560	13.3	21.0
12 27	3 4.31	+13 53.8	1.798	2.563	16.5	21.2

103717 2000 CS_{91} 11 18.7 149°.98 4°.5/21.2 18

10 18	4 8.42	+32 43.0	1.969	2.784	14.1	19.7
10 28	4 0.61	+33 0.7	1.901	2.793	10.9	19.5
11 7	3 50.41	+33 2.2	1.858	2.802	7.5	19.3
11 17	3 38.81	+32 45.7	1.841	2.810	4.9	19.2
11 27	3 27.14	+32 12.3	1.853	2.818	5.2	19.2
12 7	3 16.72	+31 26.7	1.894	2.825	8.0	19.4
12 17	3 8.55	+30 35.5	1.962	2.831	11.3	19.6
12 27	3 3.26	+29 45.6	2.054	2.837	14.2	19.8

341096 2007 JF_{10} 11 18.7 192°.57 0°.4/18.5 18 R

10 18	4 4.36	+19 19.2	1.917	2.770	12.8	21.6
10 28	3 57.60	+19 3.8	1.844	2.769	9.2	21.4
11 7	3 48.72	+18 42.3	1.796	2.767	5.1	21.1
11 17	3 38.58	+18 16.3	1.777	2.765	0.8	20.8
11 27	3 28.30	+17 48.9	1.787	2.762	3.8	21.0
12 7	3 19.03	+17 23.8	1.826	2.759	8.1	21.3
12 17	3 11.67	+17 4.8	1.891	2.755	11.8	21.5
12 27	3 6.85	+16 54.9	1.979	2.751	15.0	21.7

265988 2006 DF_{82} 11 18.7 354°.00 6°.0/21.7 17

10 18	4 3.04	+35 7.8	1.872	2.689	14.6	19.4
10 28	3 57.10	+35 49.1	1.798	2.686	11.7	19.2
11 7	3 48.65	+36 13.6	1.747	2.683	8.6	19.0
11 17	3 38.59	+36 18.0	1.722	2.682	6.3	18.9
11 27	3 28.25	+36 2.2	1.723	2.680	6.4	18.9
12 7	3 19.01	+35 29.7	1.752	2.679	8.8	19.1
12 17	3 11.99	+34 46.9	1.805	2.679	11.8	19.2
12 27	3 7.93	+34 1.2	1.881	2.679	14.7	19.4

68495 2001 UF_{21} 11 18.7 246°.68 1°.3/19.5 18 R

10 18	4 1.38	+25 20.6	2.066	2.910	12.4	19.2
10 28	3 55.44	+24 53.1	1.985	2.902	9.1	19.0
11 7	3 47.52	+24 14.2	1.928	2.894	5.4	18.8
11 17	3 38.41	+23 25.1	1.899	2.886	1.7	18.5
11 27	3 29.16	+22 29.2	1.900	2.877	3.4	18.6
12 7	3 20.83	+21 31.5	1.930	2.868	7.3	18.8
12 17	3 14.28	+20 37.5	1.987	2.859	11.0	19.1
12 27	3 10.12	+19 51.8	2.067	2.850	14.1	19.3

516366 2017 DP_{29} 11 18.7 77°.28 5°.5/15.4 18

10 18	3 59.01	+ 4 21.2	2.094	2.952	11.7	21.0
10 28	3 53.42	+ 3 27.7	2.043	2.961	8.9	20.8
11 7	3 46.26	+ 2 40.6	2.019	2.971	6.4	20.7
11 17	3 38.23	+ 2 4.3	2.021	2.981	5.6	20.6
11 27	3 30.24	+ 1 42.7	2.052	2.990	7.1	20.8
12 7	3 23.12	+ 1 37.8	2.110	3.000	9.6	20.9
12 17	3 17.56	+ 1 49.6	2.192	3.010	12.3	21.1
12 27	3 14.02	+ 2 16.8	2.296	3.019	14.5	21.3

316656 1993 TQ_{10} 11 18.7 220°.74 3°.3/20.7 18

10 18	4 2.79	+30 43.0	2.679	3.493	10.8	20.8
10 28	3 56.24	+31 2.7	2.592	3.485	8.3	20.7
11 7	3 47.92	+31 11.8	2.530	3.477	5.6	20.5
11 17	3 38.50	+31 9.1	2.497	3.469	3.5	20.3
11 27	3 28.86	+30 55.1	2.494	3.460	3.9	20.3
12 7	3 19.93	+30 32.4	2.521	3.451	6.3	20.5
12 17	3 12.48	+30 4.5	2.576	3.441	9.0	20.6
12 27	3 7.11	+29 35.8	2.656	3.431	11.5	20.8

225467 2000 ET_{173} 11 18.7 295°.69 4°.0/16.9 18

10 18	4 1.61	+ 6 53.6	2.163	3.018	11.5	19.2
10 28	3 55.52	+ 6 49.2	2.078	2.999	8.6	19.0
11 7	3 47.59	+ 6 50.0	2.019	2.981	5.6	18.7
11 17	3 38.46	+ 6 58.7	1.988	2.962	4.0	18.6
11 27	3 29.07	+ 7 17.3	1.986	2.943	5.7	18.7
12 7	3 20.36	+ 7 46.9	2.013	2.925	8.8	18.8
12 17	3 13.17	+ 8 27.8	2.067	2.906	12.0	19.0
12 27	3 8.13	+ 9 19.3	2.143	2.888	14.8	19.2

317293 2002 GJ_{60} 11 18.7 243°.23 6°.4/13.6 18

10 18	3 58.12	+ 0 3.3	2.506	3.351	10.5	20.8
10 28	3 52.73	− 1 10.0	2.436	3.338	8.4	20.6
11 7	3 45.90	− 2 16.6	2.391	3.325	6.8	20.5
11 17	3 38.22	− 3 11.4	2.375	3.311	6.5	20.5
11 27	3 30.42	− 3 50.0	2.387	3.297	7.8	20.5
12 7	3 23.24	− 4 10.0	2.426	3.282	9.9	20.6
12 17	3 17.34	− 4 10.8	2.489	3.268	12.1	20.8
12 27	3 13.19	− 3 53.6	2.573	3.252	14.1	20.9

453465 2009 SN_{114} 11 18.7 51°.44 6°.3/14.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.83	+ 6 1.7	1.751	2.618	13.2	20.7
10 28	3 54.03	+ 4 18.7	1.724	2.647	9.9	20.5
11 7	3 46.55	+ 2 42.7	1.722	2.677	7.1	20.4
11 17	3 38.29	+ 1 21.1	1.748	2.706	6.4	20.5
11 27	3 30.28	+ 0 19.6	1.801	2.736	8.1	20.6
12 7	3 23.43	− 0 18.9	1.880	2.766	10.9	20.9
12 17	3 18.41	− 0 34.3	1.983	2.796	13.5	21.1
12 27	3 15.61	− 0 28.7	2.106	2.826	15.8	21.3

408352 2013 GD_{85} 11 18.7 97°.24 4°.3/16.4 18

10 18	4 0.97	+ 5 56.0	2.332	3.184	10.9	20.8
10 28	3 54.65	+ 5 30.2	2.285	3.202	8.1	20.7
11 7	3 46.88	+ 5 9.5	2.264	3.221	5.5	20.6
11 17	3 38.36	+ 4 57.0	2.271	3.239	4.3	20.5
11 27	3 29.91	+ 4 54.9	2.308	3.257	5.7	20.6
12 7	3 22.32	+ 5 4.5	2.374	3.274	8.2	20.8
12 17	3 16.20	+ 5 25.8	2.466	3.291	10.8	21.0
12 27	3 11.98	+ 5 58.2	2.580	3.308	13.0	21.2

442189 2011 ER_{54} 11 18.7 220°.29 0°.2/18.6 18

10 18	4 5.23	+19 42.5	1.834	2.688	13.3	21.8
10 28	3 58.41	+19 30.1	1.755	2.680	9.6	21.6
11 7	3 49.30	+19 11.2	1.701	2.672	5.4	21.3
11 17	3 38.75	+18 46.9	1.674	2.663	0.8	21.0
11 27	3 27.96	+18 20.2	1.677	2.653	4.0	21.2
12 7	3 18.17	+17 55.1	1.709	2.643	8.4	21.5
12 17	3 10.38	+17 35.8	1.767	2.633	12.4	21.7
12 27	3 5.30	+17 25.6	1.847	2.622	15.8	21.9

29298 Cruls 11 18.7 358°.35 20°.8/22.9 18

10 18	4 19.46	+49 12.1	0.937	1.733	27.2	17.3
10 28	4 13.52	+52 47.2	0.890	1.730	24.7	17.1
11 7	4 0.25	+55 47.8	0.858	1.728	22.5	16.9
11 17	3 40.60	+57 50.4	0.842	1.727	21.1	16.8
11 27	3 18.45	+58 39.2	0.843	1.727	21.0	16.8
12 7	2 59.23	+58 16.7	0.861	1.728	22.1	16.9
12 17	2 47.08	+57 1.8	0.893	1.730	24.0	17.1
12 27	2 43.51	+55 19.4	0.939	1.733	26.3	17.2

108536 2001 LN_{6} 11 18.7 12°.56 7°.0/14.6 18

10 18	3 58.51	− 2 10.2	2.255	3.099	11.5	19.0
10 28	3 53.05	− 2 53.1	2.200	3.100	9.3	18.9
11 7	3 46.08	− 3 25.1	2.170	3.100	7.5	18.8
11 17	3 38.26	− 3 42.1	2.166	3.101	7.1	18.8
11 27	3 30.41	− 3 40.9	2.190	3.103	8.2	18.8
12 7	3 23.33	− 3 20.6	2.240	3.104	10.3	19.0
12 17	3 17.67	− 2 42.4	2.314	3.105	12.5	19.1
12 27	3 13.92	− 1 48.6	2.408	3.107	14.5	19.3

372863 2010 VB_{197} 11 18.7 13°.55 6°.5/21.1 18

10 18	4 5.01	+31 50.3	1.089	1.949	19.9	21.0
10 28	3 59.58	+32 31.4	1.034	1.951	15.5	20.8
11 7	3 50.43	+32 50.2	0.998	1.954	10.8	20.5
11 17	3 38.94	+32 42.3	0.984	1.958	7.0	20.3
11 27	3 27.21	+32 8.7	0.993	1.963	7.4	20.4
12 7	3 17.39	+31 17.1	1.025	1.969	11.4	20.6
12 17	3 11.02	+30 18.4	1.080	1.976	16.0	20.9
12 27	3 8.84	+29 23.6	1.153	1.983	20.0	21.2

514994 2009 HP_{63} 11 18.7 119°.07 0°.8/18.2 18

10 18	4 1.87	+18 13.3	2.230	3.082	11.3	22.2
10 28	3 55.45	+17 47.5	2.172	3.097	8.0	22.0
11 7	3 47.39	+17 17.2	2.140	3.111	4.4	21.8
11 17	3 38.46	+16 44.6	2.137	3.125	1.0	21.6
11 27	3 29.56	+16 12.8	2.165	3.138	3.5	21.8
12 7	3 21.59	+15 45.1	2.221	3.151	7.0	22.0
12 17	3 15.24	+15 24.3	2.305	3.164	10.2	22.3
12 27	3 10.99	+15 12.5	2.413	3.176	12.9	22.5

32649 4056 *P–L* 11 18.7 22°.17 1°.1/19.2 18

10 18	4 1.10	+22 51.3	1.022	1.908	18.8	18.5
10 28	3 56.34	+22 42.8	0.979	1.918	13.6	18.3
11 7	3 48.38	+22 21.1	0.956	1.930	7.8	18.0
11 17	3 38.61	+21 48.1	0.956	1.944	1.8	17.7
11 27	3 28.92	+21 9.3	0.979	1.958	5.0	17.9
12 7	3 21.08	+20 32.0	1.026	1.975	10.7	18.3
12 17	3 16.29	+20 3.0	1.095	1.992	15.7	18.7
12 27	3 15.12	+19 46.8	1.182	2.010	19.8	19.0

102682 1999 VQ_{69} 11 18.7 92°.29 1°.2/19.2 18

10 18	4 8.90	+22 25.8	1.471	2.326	15.9	19.8
10 28	4 1.17	+22 36.4	1.422	2.346	11.5	19.6
11 7	3 50.79	+22 37.4	1.397	2.366	6.6	19.4
11 17	3 38.96	+22 28.8	1.398	2.385	1.7	19.1
11 27	3 27.24	+22 13.1	1.427	2.404	4.3	19.4
12 7	3 17.09	+21 54.9	1.483	2.422	9.0	19.7
12 17	3 9.58	+21 39.1	1.565	2.440	13.2	20.0
12 27	3 5.27	+21 30.2	1.667	2.458	16.6	20.3

402299 2005 SN_{245} 11 18.7 5°.33 3°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.41	+27 56.2	1.873	2.713	13.7	21.1
10 28	3 57.18	+28 22.8	1.802	2.713	10.3	20.9
11 7	3 48.64	+28 37.7	1.755	2.713	6.6	20.7
11 17	3 38.67	+28 39.6	1.734	2.714	3.6	20.5
11 27	3 28.49	+28 29.0	1.742	2.714	4.4	20.6
12 7	3 19.35	+28 9.6	1.778	2.715	7.9	20.8
12 17	3 12.26	+27 46.2	1.840	2.716	11.5	21.0
12 27	3 7.92	+27 24.1	1.924	2.718	14.6	21.2

176084 2000 YT_{10} 11 18.7 342°.38 1°.2/18.2 18

10 18	3 57.40	+20 25.0	0.972	1.869	18.6	19.2
10 28	3 54.08	+19 34.3	0.909	1.855	13.5	18.8
11 7	3 47.39	+18 28.9	0.865	1.842	7.5	18.5
11 17	3 38.51	+17 14.0	0.843	1.831	1.5	18.0
11 27	3 29.29	+15 58.9	0.844	1.822	6.1	18.3
12 7	3 21.63	+14 54.2	0.867	1.814	12.4	18.6
12 17	3 17.00	+14 8.3	0.911	1.808	18.1	18.9
12 27	3 16.22	+13 45.4	0.970	1.804	22.8	19.2

515546 2014 GA_{57} 11 18.7 177°.45 4°.4/20.5 18

10 18	4 8.03	+30 1.5	1.935	2.759	13.9	21.6
10 28	4 0.57	+30 50.4	1.861	2.760	10.7	21.4
11 7	3 50.58	+31 27.1	1.811	2.761	7.3	21.2
11 17	3 38.97	+31 48.2	1.789	2.761	4.6	21.1
11 27	3 27.05	+31 53.3	1.795	2.761	5.2	21.1
12 7	3 16.19	+31 44.8	1.831	2.761	8.3	21.3
12 17	3 7.51	+31 28.0	1.893	2.761	11.6	21.5
12 27	3 1.76	+31 8.9	1.977	2.760	14.6	21.7

71523 2000 CO_{76} 11 18.7 355°.63 6°.1/15.1 18

10 18	3 58.00	+ 3 15.7	2.025	2.885	11.9	18.9
10 28	3 52.86	+ 2 22.2	1.966	2.883	9.2	18.7
11 7	3 46.05	+ 1 35.8	1.932	2.882	6.8	18.5
11 17	3 38.28	+ 1 1.3	1.925	2.881	6.1	18.5
11 27	3 30.45	+ 0 42.8	1.946	2.881	7.6	18.6
12 7	3 23.46	+ 0 42.4	1.993	2.881	10.2	18.8
12 17	3 18.02	+ 1 0.1	2.064	2.881	12.9	18.9
12 27	3 14.64	+ 1 34.4	2.155	2.881	15.3	19.1

119410 2001 TU_{72} 11 18.7 277°.81 2°.1/17.6 18

10 18	4 2.30	+16 28.2	1.600	2.468	14.1	19.5
10 28	3 56.57	+15 45.7	1.520	2.453	10.2	19.2
11 7	3 48.39	+14 57.3	1.465	2.438	5.8	18.9
11 17	3 38.65	+14 6.7	1.436	2.422	2.2	18.7
11 27	3 28.62	+13 19.2	1.435	2.407	5.3	18.8
12 7	3 19.62	+12 40.6	1.461	2.391	9.9	19.1
12 17	3 12.74	+12 15.1	1.511	2.376	14.2	19.3
12 27	3 8.70	+12 5.5	1.582	2.360	17.9	19.5

408766 1998 QO_{58} 11 18.7 86°.92 3°.4/20.7 18

10 18	4 2.75	+30 11.8	2.214	3.040	12.3	21.1
10 28	3 56.34	+30 26.0	2.149	3.049	9.4	20.9
11 7	3 48.01	+30 27.9	2.107	3.059	6.2	20.7
11 17	3 38.57	+30 16.6	2.094	3.069	3.7	20.6
11 27	3 29.07	+29 53.4	2.109	3.079	4.1	20.6
12 7	3 20.54	+29 21.9	2.154	3.088	6.9	20.8
12 17	3 13.81	+28 46.7	2.225	3.098	10.0	21.0
12 27	3 9.45	+28 12.9	2.321	3.107	12.6	21.2

19545 1999 JY_{33} 11 18.7 89°.13 1°.7/19.6 18

10 18	4 6.95	+25 53.1	1.372	2.228	16.8	17.1
10 28	3 59.90	+25 23.6	1.321	2.245	12.3	16.9
11 7	3 50.11	+24 38.5	1.293	2.261	7.2	16.7
11 17	3 38.87	+23 39.8	1.291	2.277	2.2	16.4
11 27	3 27.81	+22 33.3	1.316	2.293	4.4	16.6
12 7	3 18.44	+21 26.9	1.367	2.309	9.4	16.9
12 17	3 11.80	+20 28.2	1.444	2.324	13.8	17.2
12 27	3 8.44	+19 42.9	1.541	2.339	17.4	17.5

475105 2005 UP_{234} 11 18.7 308°.16 1°.7/18.1 18

10 18	4 4.03	+15 50.6	1.477	2.347	15.0	21.5
10 28	3 57.91	+15 43.9	1.409	2.341	10.8	21.3
11 7	3 49.16	+15 34.6	1.363	2.336	6.1	21.0
11 17	3 38.77	+15 24.6	1.343	2.331	1.8	20.7
11 27	3 28.12	+15 17.1	1.351	2.325	5.0	20.9
12 7	3 18.66	+15 15.6	1.385	2.320	9.9	21.2
12 17	3 11.53	+15 22.9	1.443	2.315	14.3	21.4
12 27	3 7.47	+15 41.1	1.522	2.311	18.0	21.7

195757 2002 PO_{106} 11 18.7 52°.89 6°.4/14.3 18

10 18	3 57.56	+ 2 37.7	2.083	2.942	11.7	19.7
10 28	3 52.39	+ 1 17.7	2.040	2.954	9.1	19.5
11 7	3 45.71	+ 0 5.4	2.021	2.966	7.0	19.4
11 17	3 38.23	− 0 53.7	2.031	2.979	6.5	19.4
11 27	3 30.80	− 1 34.9	2.068	2.992	8.0	19.5
12 7	3 24.25	− 1 55.9	2.131	3.005	10.3	19.7
12 17	3 19.21	− 1 56.7	2.218	3.018	12.7	19.9
12 27	3 16.13	− 1 39.0	2.325	3.032	14.8	20.1

23660 1997 ED_5 11 18.7 341°.45 3°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.13	+15 7.3	1.253	2.140	15.9	18.5
10 28	3 53.97	+14 18.3	1.186	2.127	11.5	18.2
11 7	3 47.09	+13 24.3	1.141	2.116	6.6	17.9
11 17	3 38.47	+12 30.7	1.120	2.105	3.2	17.7
11 27	3 29.59	+11 44.7	1.124	2.096	6.4	17.9
12 7	3 21.95	+11 12.6	1.153	2.088	11.5	18.1
12 17	3 16.74	+10 58.5	1.203	2.081	16.2	18.4
12 27	3 14.71	+11 3.8	1.272	2.075	20.1	18.6

298077 2002 QR_{131} 11 18.7 18°.00 2°.6/19.9 18

10 18	4 3.56	+26 28.1	1.675	2.524	14.6	20.9
10 28	3 57.42	+26 39.0	1.607	2.525	10.9	20.7
11 7	3 48.82	+26 37.8	1.563	2.526	6.7	20.5
11 17	3 38.72	+26 23.6	1.545	2.528	3.0	20.3
11 27	3 28.45	+25 58.6	1.554	2.530	4.3	20.4
12 7	3 19.37	+25 27.2	1.591	2.532	8.4	20.6
12 17	3 12.54	+24 55.1	1.654	2.534	12.3	20.8
12 27	3 8.63	+24 27.9	1.738	2.537	15.7	21.1

171159 2005 GM_{112} 11 18.7 17°.95 0°.1/18.7 18

10 18	4 0.03	+22 31.4	1.459	2.329	15.2	19.2
10 28	3 54.91	+21 38.3	1.400	2.333	10.9	19.0
11 7	3 47.38	+20 32.9	1.364	2.337	6.1	18.7
11 17	3 38.49	+19 19.3	1.354	2.342	0.9	18.3
11 27	3 29.62	+18 3.9	1.371	2.348	4.4	18.6
12 7	3 22.05	+16 54.6	1.415	2.355	9.2	18.9
12 17	3 16.78	+15 57.5	1.482	2.362	13.6	19.2
12 27	3 14.36	+15 16.8	1.571	2.370	17.1	19.5

383548 2007 EM_4 11 18.7 328°.48 2°.7/17.6 18

10 18	4 1.14	+15 37.3	1.253	2.136	16.3	21.4
10 28	3 56.18	+15 0.8	1.185	2.124	11.8	21.1
11 7	3 48.35	+14 19.4	1.139	2.114	6.7	20.8
11 17	3 38.68	+13 37.7	1.118	2.104	2.7	20.5
11 27	3 28.70	+13 1.6	1.121	2.094	6.1	20.7
12 7	3 20.03	+12 37.0	1.150	2.086	11.4	21.0
12 17	3 13.90	+12 28.0	1.200	2.078	16.2	21.3
12 27	3 11.10	+12 36.4	1.269	2.071	20.2	21.5

82742 2001 QR_2 11 18.7 119°.50 10°.1/11.9 16

10 18	4 3.73	− 6 46.8	1.938	2.766	13.7	19.7
10 28	3 56.76	− 8 44.5	1.911	2.788	11.6	19.6
11 7	3 48.09	−10 25.1	1.909	2.808	10.3	19.6
11 17	3 38.59	−11 41.0	1.933	2.828	10.3	19.6
11 27	3 29.27	−12 27.2	1.983	2.847	11.5	19.8
12 7	3 21.05	−12 43.0	2.058	2.866	13.3	19.9
12 17	3 14.64	−12 30.7	2.154	2.883	15.2	20.1
12 27	3 10.49	−11 54.8	2.267	2.900	16.9	20.3

244903 2003 WL_{95} 11 18.7 15°.82 2°.3/18.1 18

10 18	4 2.64	+13 37.5	1.233	2.115	16.5	19.4
10 28	3 57.08	+13 50.8	1.182	2.120	11.9	19.1
11 7	3 48.73	+14 5.3	1.154	2.127	6.7	18.9
11 17	3 38.72	+14 22.5	1.149	2.136	2.3	18.6
11 27	3 28.63	+14 44.3	1.170	2.145	5.5	18.8
12 7	3 20.00	+15 12.5	1.216	2.155	10.6	19.2
12 17	3 13.99	+15 48.2	1.285	2.167	15.1	19.5
12 27	3 11.27	+16 32.0	1.374	2.180	18.8	19.7

323702 2005 GS_{133} 11 18.7 162°.85 0°.4/18.6 18

10 18	4 6.79	+18 51.6	1.596	2.455	14.7	20.7
10 28	3 59.68	+18 47.5	1.531	2.459	10.6	20.4
11 7	3 50.05	+18 37.7	1.490	2.462	5.9	20.2
11 17	3 38.92	+18 23.2	1.476	2.464	0.9	19.8
11 27	3 27.65	+18 7.0	1.491	2.467	4.3	20.1
12 7	3 17.63	+17 53.0	1.533	2.469	9.1	20.4
12 17	3 9.95	+17 44.9	1.600	2.470	13.3	20.7
12 27	3 5.25	+17 46.0	1.689	2.471	16.8	20.9

69457 1996 TP_{36} 11 18.7 95°.80 3°.4/20.3 18

10 18	4 8.78	+28 43.3	1.446	2.290	16.7	19.1
10 28	4 1.24	+28 45.0	1.395	2.308	12.5	18.9
11 7	3 50.90	+28 29.6	1.366	2.326	7.9	18.7
11 17	3 39.03	+27 56.7	1.362	2.343	3.9	18.5
11 27	3 27.27	+27 9.8	1.385	2.360	4.9	18.6
12 7	3 17.21	+26 15.7	1.436	2.376	9.1	18.9
12 17	3 9.93	+25 22.4	1.512	2.393	13.3	19.2
12 27	3 6.00	+24 36.9	1.609	2.408	16.8	19.4

275836 2001 RY_{138} 11 18.7 1°.16 2°.2/17.9 18

10 18	4 0.76	+15 38.3	1.117	2.005	17.3	19.8
10 28	3 56.04	+15 24.3	1.061	2.003	12.5	19.5
11 7	3 48.29	+15 7.4	1.026	2.001	7.0	19.2
11 17	3 38.67	+14 50.8	1.014	2.001	2.3	18.9
11 27	3 28.87	+14 39.2	1.027	2.003	5.9	19.1
12 7	3 20.57	+14 36.9	1.064	2.005	11.4	19.4
12 17	3 15.05	+14 46.9	1.122	2.009	16.3	19.7
12 27	3 13.03	+15 10.7	1.198	2.013	20.4	20.0

84673 2002 VW_{86} 11 18.7 23°.00 2°.8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.94	+27 0.6	1.680	2.528	14.6	19.2
10 28	3 56.96	+27 8.5	1.614	2.531	10.9	18.9
11 7	3 48.56	+27 3.6	1.571	2.534	6.8	18.7
11 17	3 38.70	+26 45.4	1.554	2.537	3.1	18.5
11 27	3 28.72	+26 16.1	1.566	2.541	4.3	18.6
12 7	3 19.93	+25 40.5	1.604	2.545	8.3	18.8
12 17	3 13.37	+25 4.3	1.668	2.549	12.2	19.1
12 27	3 9.68	+24 33.2	1.754	2.554	15.5	19.3

396500 2014 FA_{54} 11 18.7 229°.65 5°.4/15.3 18

10 18	4 0.76	+ 7 57.3	1.825	2.690	12.8	21.0
10 28	3 55.02	+ 6 37.9	1.760	2.685	9.6	20.8
11 7	3 47.34	+ 5 20.4	1.719	2.680	6.6	20.6
11 17	3 38.52	+ 4 11.1	1.707	2.674	5.5	20.5
11 27	3 29.60	+ 3 16.1	1.722	2.669	7.5	20.7
12 7	3 21.63	+ 2 40.0	1.765	2.663	10.7	20.8
12 17	3 15.46	+ 2 24.4	1.831	2.657	13.9	21.0
12 27	3 11.65	+ 2 29.1	1.918	2.651	16.7	21.2

89161 2001 UL_{48} 11 18.7 78°.73 3°.7/17.2 18

10 18	4 5.11	+11 41.7	1.493	2.362	14.9	19.5
10 28	3 58.22	+11 7.8	1.451	2.382	10.7	19.3
11 7	3 49.08	+10 35.4	1.433	2.402	6.4	19.1
11 17	3 38.76	+10 8.6	1.440	2.422	3.7	19.0
11 27	3 28.61	+ 9 51.5	1.476	2.441	6.1	19.2
12 7	3 19.87	+ 9 47.0	1.538	2.461	10.2	19.4
12 17	3 13.43	+ 9 56.5	1.624	2.480	13.9	19.7
12 27	3 9.82	+10 19.6	1.731	2.499	17.0	20.0

144444 2004 EN_{38} 11 18.7 244°.80 3°.4/16.9 18

10 18	4 0.88	+11 8.7	1.973	2.835	12.1	19.9
10 28	3 55.05	+10 34.4	1.903	2.830	8.8	19.7
11 7	3 47.34	+10 0.7	1.858	2.826	5.4	19.4
11 17	3 38.52	+ 9 31.3	1.841	2.821	3.4	19.3
11 27	3 29.58	+ 9 9.7	1.853	2.816	5.4	19.4
12 7	3 21.51	+ 8 59.0	1.893	2.811	8.9	19.6
12 17	3 15.13	+ 9 1.0	1.959	2.806	12.3	19.8
12 27	3 11.01	+ 9 16.1	2.046	2.801	15.1	20.0

338960 2004 FH_{18} 11 18.7 126°.40 2°.7/17.4 18

10 18	4 5.54	+12 59.3	1.852	2.709	13.0	21.3
10 28	3 58.27	+12 30.8	1.799	2.725	9.3	21.1
11 7	3 49.05	+12 1.8	1.772	2.741	5.4	20.9
11 17	3 38.76	+11 35.6	1.773	2.756	2.7	20.7
11 27	3 28.55	+11 15.5	1.803	2.770	5.1	20.9
12 7	3 19.49	+11 4.7	1.862	2.783	8.8	21.2
12 17	3 12.40	+11 4.8	1.947	2.796	12.2	21.4
12 27	3 7.79	+11 16.6	2.053	2.808	15.1	21.6

494611 2017 BJ_{125} 11 18.7 354°.10 10°.6/21.9 17

10 18	4 2.66	+37 21.1	1.167	2.008	20.1	20.5
10 28	3 58.33	+39 3.5	1.104	1.999	16.7	20.2
11 7	3 50.07	+40 23.5	1.059	1.991	13.3	20.0
11 17	3 39.00	+41 11.9	1.035	1.985	10.9	19.8
11 27	3 27.18	+41 23.8	1.033	1.981	10.9	19.8
12 7	3 17.00	+41 2.7	1.053	1.979	13.4	20.0
12 17	3 10.32	+40 18.4	1.093	1.979	16.8	20.2
12 27	3 8.21	+39 23.5	1.152	1.981	20.2	20.4

300718 2007 VH_{120} 11 18.7 306°.55 1°.0/18.2 18

10 18	4 1.13	+18 29.2	1.607	2.475	14.1	21.2
10 28	3 55.78	+18 4.5	1.527	2.460	10.2	20.9
11 7	3 48.00	+17 33.2	1.471	2.444	5.7	20.6
11 17	3 38.64	+16 57.5	1.441	2.429	1.2	20.3
11 27	3 28.97	+16 21.8	1.438	2.414	4.6	20.5
12 7	3 20.31	+15 51.0	1.462	2.399	9.4	20.7
12 17	3 13.74	+15 29.6	1.511	2.385	13.7	21.0
12 27	3 10.00	+15 20.7	1.581	2.371	17.4	21.2

356839 2011 VB_{14} 11 18.7 145°.05 0°.6/18.3 18

10 18	4 1.60	+19 31.9	2.013	2.868	12.2	21.4
10 28	3 55.51	+18 58.8	1.947	2.873	8.7	21.2
11 7	3 47.56	+18 19.3	1.906	2.877	4.8	21.0
11 17	3 38.55	+17 35.7	1.893	2.881	0.9	20.7
11 27	3 29.51	+16 52.0	1.910	2.885	3.7	21.0
12 7	3 21.43	+16 12.5	1.955	2.888	7.6	21.2
12 17	3 15.12	+15 40.8	2.028	2.891	11.2	21.4
12 27	3 11.11	+15 19.9	2.122	2.894	14.1	21.6

214639 2006 SU_{23} 11 18.7 57°.80 1°.0/19.2 18

10 18	4 3.44	+22 11.5	1.826	2.679	13.4	20.3
10 28	3 57.11	+22 19.9	1.759	2.682	9.7	20.1
11 7	3 48.58	+22 20.6	1.715	2.684	5.6	19.9
11 17	3 38.72	+22 14.0	1.699	2.687	1.4	19.6
11 27	3 28.72	+22 1.8	1.712	2.689	3.7	19.8
12 7	3 19.77	+21 47.4	1.754	2.692	7.9	20.0
12 17	3 12.83	+21 34.9	1.821	2.695	11.7	20.3
12 27	3 8.53	+21 27.8	1.910	2.698	14.9	20.5

326550 2002 PC_{73} 11 18.7 169°.72 3°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.78	+35 23.4	2.995	3.788	10.3	21.3
10 28	3 55.28	+35 9.7	2.915	3.792	8.1	21.2
11 7	3 47.31	+34 42.5	2.861	3.795	5.8	21.0
11 17	3 38.51	+34 1.7	2.835	3.798	3.9	20.9
11 27	3 29.72	+33 8.8	2.839	3.800	3.9	20.9
12 7	3 21.71	+32 7.5	2.875	3.802	5.8	21.1
12 17	3 15.14	+31 2.3	2.939	3.804	8.1	21.2
12 27	3 10.46	+29 58.0	3.029	3.805	10.2	21.4

393759 2005 FN_{7} 11 18.7 247°.88 6°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.03	+ 2 0.6	1.944	2.799	12.6	20.8
10 28	3 55.17	+ 1 2.9	1.877	2.789	9.9	20.6
11 7	3 47.43	+ 0 13.1	1.834	2.780	7.5	20.5
11 17	3 38.55	− 0 23.5	1.818	2.770	6.8	20.4
11 27	3 29.53	− 0 42.1	1.829	2.759	8.4	20.5
12 7	3 21.36	− 0 40.5	1.867	2.749	11.1	20.6
12 17	3 14.86	− 0 18.5	1.929	2.738	14.0	20.8
12 27	3 10.63	+ 0 21.9	2.011	2.727	16.5	21.0

432793 2011 FJ_{142} 11 18.7 78°.36 3°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.67	+27 54.0	1.662	2.495	15.4	20.4
10 28	4 3.00	+28 38.7	1.619	2.526	11.5	20.3
11 7	3 51.79	+29 9.6	1.600	2.556	7.4	20.1
11 17	3 39.19	+29 24.2	1.608	2.586	4.1	20.0
11 27	3 26.75	+29 23.4	1.645	2.616	4.9	20.1
12 7	3 15.89	+29 11.2	1.711	2.645	8.4	20.4
12 17	3 7.63	+28 53.4	1.802	2.673	12.0	20.6
12 27	3 2.53	+28 36.3	1.916	2.701	15.0	20.9

145273 2005 JH_{139} 11 18.7 133°.37 3°.2/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.84	+28 50.0	2.157	2.983	12.6	20.2
10 28	3 58.63	+29 13.9	2.090	2.993	9.5	20.0
11 7	3 49.35	+29 26.3	2.048	3.002	6.2	19.8
11 17	3 38.86	+29 25.8	2.034	3.011	3.5	19.7
11 27	3 28.25	+29 13.4	2.050	3.020	4.1	19.7
12 7	3 18.67	+28 52.2	2.095	3.028	7.2	19.9
12 17	3 10.99	+28 26.8	2.167	3.036	10.3	20.2
12 27	3 5.82	+28 2.2	2.263	3.044	13.1	20.4

378117 2006 UH_{280} 11 18.7 318°.24 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.30	+19 6.3	1.198	2.081	16.8	21.4
10 28	3 55.85	+18 17.2	1.122	2.061	12.2	21.1
11 7	3 48.33	+17 16.5	1.067	2.042	6.8	20.7
11 17	3 38.75	+16 8.4	1.035	2.023	1.7	20.3
11 27	3 28.71	+15 0.5	1.029	2.005	5.8	20.5
12 7	3 19.95	+14 1.7	1.047	1.988	11.7	20.8
12 17	3 13.85	+13 19.3	1.087	1.971	17.0	21.1
12 27	3 11.30	+12 57.6	1.145	1.956	21.4	21.3

289119 2004 TF_{359} 11 18.7 9°.84 0°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.95	+21 13.9	2.458	3.311	10.4	20.4
10 28	3 52.02	+21 4.3	2.389	3.313	7.5	20.2
11 7	3 45.59	+20 49.0	2.346	3.316	4.2	20.0
11 17	3 38.30	+20 29.4	2.331	3.319	0.7	19.8
11 27	3 30.94	+20 7.4	2.345	3.322	2.8	20.0
12 7	3 24.30	+19 45.9	2.389	3.326	6.2	20.2
12 17	3 19.02	+19 27.8	2.460	3.331	9.2	20.4
12 27	3 15.60	+19 15.3	2.555	3.336	11.8	20.6

399842 2005 UT_{82} 11 18.7 91°.98 0°.5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.77	+21 35.0	2.041	2.893	12.2	21.9
10 28	3 55.67	+21 26.9	1.977	2.900	8.8	21.7
11 7	3 47.68	+21 11.8	1.936	2.906	5.0	21.5
11 17	3 38.62	+20 50.7	1.924	2.912	0.9	21.2
11 27	3 29.49	+20 26.2	1.942	2.919	3.3	21.4
12 7	3 21.32	+20 1.9	1.988	2.925	7.2	21.7
12 17	3 14.92	+19 41.3	2.061	2.931	10.7	21.9
12 27	3 10.84	+19 27.5	2.157	2.937	13.6	22.1

485933 2012 HK_{7} 11 18.7 117°.38 3°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.07	+ 5 42.0	2.364	3.211	10.9	20.7
10 28	3 56.32	+ 5 49.0	2.297	3.213	8.1	20.5
11 7	3 47.96	+ 6 2.0	2.256	3.215	5.4	20.3
11 17	3 38.66	+ 6 22.8	2.245	3.217	3.9	20.3
11 27	3 29.27	+ 6 52.6	2.264	3.219	5.3	20.3
12 7	3 20.65	+ 7 31.8	2.313	3.221	8.1	20.5
12 17	3 13.50	+ 8 19.8	2.390	3.223	10.8	20.7
12 27	3 8.34	+ 9 15.8	2.489	3.225	13.2	20.9

78000 2002 JS_{48} 11 18.7 120°.36 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.16	+22 38.0	2.087	2.930	12.3	20.6
10 28	3 57.96	+22 31.1	2.029	2.947	8.9	20.4
11 7	3 48.89	+22 16.3	1.997	2.964	5.1	20.2
11 17	3 38.80	+21 54.5	1.993	2.981	1.2	19.9
11 27	3 28.76	+21 28.1	2.020	2.997	3.3	20.1
12 7	3 19.78	+21 0.8	2.077	3.012	7.1	20.4
12 17	3 12.67	+20 36.4	2.160	3.027	10.5	20.6
12 27	3 7.93	+20 18.4	2.268	3.041	13.3	20.9

119462 2001 TE_{203} 11 18.7 66°.34 3°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.76	+11 40.5	1.398	2.268	15.6	19.2
10 28	3 58.91	+11 27.2	1.352	2.284	11.3	18.9
11 7	3 49.59	+11 16.0	1.329	2.299	6.6	18.7
11 17	3 38.91	+11 10.0	1.332	2.315	3.5	18.6
11 27	3 28.32	+11 12.3	1.363	2.331	6.0	18.8
12 7	3 19.19	+11 25.1	1.419	2.347	10.4	19.1
12 17	3 12.52	+11 49.5	1.500	2.363	14.4	19.4
12 27	3 8.86	+12 25.3	1.600	2.379	17.7	19.6

175823 1999 TA_{45} 11 18.7 92°.17 3°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.07	+28 10.2	1.483	2.325	16.5	20.2
10 28	4 2.14	+28 28.7	1.434	2.346	12.3	20.0
11 7	3 51.43	+28 31.6	1.408	2.367	7.8	19.8
11 17	3 39.19	+28 17.5	1.408	2.388	3.9	19.6
11 27	3 27.07	+27 48.8	1.435	2.409	5.0	19.7
12 7	3 16.64	+27 11.4	1.490	2.428	9.0	20.0
12 17	3 8.97	+26 32.4	1.570	2.448	13.0	20.3
12 27	3 4.65	+25 58.4	1.671	2.467	16.4	20.6

453552 2009 WH_{255} 11 18.7 296°.59 7°.6/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.83	− 5 1.8	2.254	3.080	12.2	20.9
10 28	3 57.09	− 5 12.0	2.171	3.057	10.0	20.8
11 7	3 48.52	− 5 8.2	2.112	3.034	8.2	20.6
11 17	3 38.79	− 4 46.4	2.081	3.012	7.6	20.5
11 27	3 28.79	− 4 4.3	2.078	2.989	8.7	20.6
12 7	3 19.49	− 3 2.0	2.102	2.966	10.9	20.7
12 17	3 11.68	− 1 41.6	2.153	2.943	13.4	20.8
12 27	3 5.99	− 0 6.5	2.225	2.921	15.7	20.9

381743 2009 SE_{61} 11 18.7 16°.94 1°.1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.20	+24 6.5	1.029	1.914	18.8	19.8
10 28	3 55.79	+23 37.7	0.981	1.920	13.7	19.6
11 7	3 48.18	+22 52.5	0.953	1.927	7.8	19.3
11 17	3 38.72	+21 54.2	0.948	1.936	1.8	18.9
11 27	3 29.29	+20 50.0	0.966	1.946	5.0	19.2
12 7	3 21.65	+19 49.0	1.008	1.957	10.8	19.6
12 17	3 17.02	+18 59.6	1.072	1.969	15.9	19.9
12 27	3 16.01	+18 26.6	1.154	1.983	20.1	20.2

29398 1996 RM_{5} 11 18.7 98°.03 6°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.52	+ 2 21.5	2.014	2.869	12.2	19.0
10 28	3 54.55	+ 1 10.5	1.972	2.884	9.5	18.9
11 7	3 46.96	+ 0 7.9	1.955	2.900	7.2	18.8
11 17	3 38.53	− 0 41.0	1.965	2.915	6.6	18.8
11 27	3 30.18	− 1 11.9	2.003	2.930	8.0	18.9
12 7	3 22.81	− 1 22.8	2.068	2.944	10.5	19.1
12 17	3 17.07	− 1 14.0	2.156	2.959	13.0	19.3
12 27	3 13.42	− 0 47.5	2.265	2.973	15.1	19.5

241835 2001 SX_{293} 11 18.7 89°.99 0°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.86	+18 39.1	1.908	2.766	12.6	20.8
10 28	3 55.79	+18 18.7	1.846	2.773	9.0	20.6
11 7	3 47.79	+17 53.0	1.808	2.780	5.0	20.3
11 17	3 38.67	+17 24.2	1.799	2.787	0.9	20.0
11 27	3 29.52	+16 55.5	1.818	2.793	3.8	20.3
12 7	3 21.38	+16 30.6	1.866	2.800	7.9	20.5
12 17	3 15.08	+16 13.0	1.940	2.807	11.5	20.8
12 27	3 11.18	+16 4.9	2.036	2.813	14.5	21.0

357484 2004 HO_{37} 11 18.7 232°.23 5°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.19	+ 4 18.9	2.366	3.215	10.9	21.5
10 28	3 55.06	+ 3 41.4	2.290	3.203	8.3	21.3
11 7	3 47.33	+ 3 9.1	2.239	3.191	5.9	21.1
11 17	3 38.61	+ 2 45.8	2.217	3.178	5.0	21.1
11 27	3 29.74	+ 2 34.8	2.224	3.165	6.5	21.1
12 7	3 21.55	+ 2 38.0	2.260	3.151	9.1	21.3
12 17	3 14.75	+ 2 56.0	2.322	3.136	11.7	21.4
12 27	3 9.90	+ 3 27.9	2.405	3.121	14.1	21.6

382492 2001 OQ_{16} 11 18.7 44°.08 6°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 14.69	+ 4 9.2	1.018	1.888	20.2	19.4
10 28	4 5.23	+ 4 48.2	1.002	1.929	14.8	19.3
11 7	3 52.90	+ 5 40.6	1.007	1.971	9.4	19.1
11 17	3 39.38	+ 6 46.3	1.037	2.014	6.1	19.1
11 27	3 26.65	+ 8 3.4	1.093	2.057	8.1	19.3
12 7	3 16.31	+ 9 28.5	1.174	2.100	12.3	19.7
12 17	3 9.30	+10 58.1	1.278	2.143	16.3	20.1
12 27	3 5.95	+12 29.8	1.402	2.185	19.5	20.4

520782 2014 SG_{357} 11 18.7 89°.07 2°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.71	+12 4.3	2.345	3.201	10.7	21.3
10 28	3 54.66	+11 58.8	2.283	3.208	7.7	21.1
11 7	3 47.06	+11 54.3	2.246	3.214	4.5	20.9
11 17	3 38.57	+11 52.5	2.238	3.221	2.3	20.7
11 27	3 30.02	+11 55.2	2.261	3.228	4.1	20.9
12 7	3 22.26	+12 4.2	2.312	3.235	7.2	21.1
12 17	3 15.95	+12 20.4	2.391	3.242	10.2	21.3
12 27	3 11.60	+12 44.4	2.493	3.248	12.7	21.5

39966 1998 FB_{141} 11 18.7 152°.95 0°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.46	+19 15.4	2.240	3.087	11.4	20.8
10 28	3 56.67	+18 43.7	2.175	3.097	8.2	20.6
11 7	3 48.17	+18 6.2	2.136	3.106	4.5	20.4
11 17	3 38.73	+17 25.2	2.126	3.114	0.8	20.1
11 27	3 29.30	+16 44.1	2.147	3.122	3.4	20.4
12 7	3 20.79	+16 6.6	2.199	3.129	7.1	20.6
12 17	3 13.95	+15 36.2	2.277	3.135	10.4	20.8
12 27	3 9.26	+15 15.4	2.379	3.140	13.1	21.0

181786 1998 BY_{38} 11 18.7 356°.60 1°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.49	+24 7.6	1.151	2.025	18.0	19.9
10 28	3 58.17	+24 2.1	1.090	2.022	13.3	19.6
11 7	3 49.59	+23 42.3	1.050	2.021	7.8	19.3
11 17	3 38.98	+23 8.7	1.033	2.020	2.3	19.0
11 27	3 28.14	+22 25.8	1.040	2.019	5.0	19.1
12 7	3 18.92	+21 40.8	1.073	2.019	10.7	19.5
12 17	3 12.68	+21 1.6	1.127	2.020	15.8	19.7
12 27	3 10.17	+20 34.4	1.201	2.022	20.0	20.0

54264 2000 JN_{33} 11 18.7 265°.91 1°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.94	+23 31.1	1.648	2.502	14.5	19.4
10 28	3 58.64	+23 28.4	1.564	2.487	10.7	19.1
11 7	3 49.70	+23 15.2	1.503	2.471	6.3	18.8
11 17	3 39.00	+22 51.6	1.469	2.456	1.8	18.5
11 27	3 27.91	+22 20.0	1.462	2.440	4.1	18.6
12 7	3 17.86	+21 45.3	1.484	2.423	8.9	18.9
12 17	3 10.06	+21 13.1	1.530	2.407	13.4	19.1
12 27	3 5.29	+20 48.8	1.598	2.391	17.1	19.3

56063 1998 XM_{93} 11 18.7 211°.27 4°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.46	+ 8 20.4	1.926	2.784	12.6	18.4
10 28	3 56.96	+ 7 35.5	1.856	2.778	9.3	18.2
11 7	3 48.48	+ 6 53.1	1.810	2.772	6.1	18.0
11 17	3 38.81	+ 6 17.7	1.792	2.765	4.6	17.9
11 27	3 28.99	+ 5 53.6	1.804	2.757	6.5	18.0
12 7	3 20.08	+ 5 43.9	1.843	2.749	9.8	18.2
12 17	3 12.95	+ 5 49.8	1.907	2.741	13.1	18.4
12 27	3 8.21	+ 6 11.1	1.993	2.731	16.0	18.5

403450 2009 SP_{289} 11 18.7 22°.79 3°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.73	+13 9.0	1.558	2.435	14.0	19.7
10 28	3 53.76	+12 29.9	1.511	2.446	10.0	19.5
11 7	3 46.71	+11 50.6	1.486	2.458	5.8	19.3
11 17	3 38.53	+11 15.2	1.488	2.471	3.2	19.1
11 27	3 30.38	+10 48.3	1.517	2.485	5.6	19.3
12 7	3 23.41	+10 33.5	1.572	2.500	9.6	19.6
12 17	3 18.44	+10 32.7	1.651	2.515	13.3	19.9
12 27	3 16.01	+10 46.0	1.750	2.531	16.3	20.1

13537 1991 SG 11 18.7 59°.08 4°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.35	+ 7 9.5	2.185	3.045	11.2	17.7
10 28	3 53.02	+ 6 20.5	2.129	3.052	8.3	17.5
11 7	3 46.16	+ 5 35.2	2.099	3.058	5.6	17.4
11 17	3 38.45	+ 4 57.9	2.097	3.065	4.5	17.3
11 27	3 30.73	+ 4 32.1	2.124	3.072	6.1	17.4
12 7	3 23.83	+ 4 20.2	2.178	3.079	8.8	17.6
12 17	3 18.40	+ 4 23.1	2.257	3.086	11.5	17.8
12 27	3 14.91	+ 4 40.3	2.358	3.093	13.9	18.0

258866 2002 PL_{166} 11 18.7 3°.62 5°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.87	+ 8 16.4	1.186	2.068	17.0	19.7
10 28	3 57.35	+ 7 42.0	1.132	2.068	12.6	19.5
11 7	3 48.99	+ 7 13.5	1.100	2.067	8.1	19.3
11 17	3 38.89	+ 6 56.7	1.091	2.068	5.8	19.1
11 27	3 28.67	+ 6 56.7	1.107	2.069	8.3	19.3
12 7	3 19.91	+ 7 16.0	1.147	2.071	12.7	19.5
12 17	3 13.78	+ 7 54.3	1.209	2.074	17.0	19.8
12 27	3 10.98	+ 8 49.4	1.288	2.077	20.7	20.1

144030 2004 BP_{20} 11 18.7 356°.33 6°.0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.67	+32 7.6	1.260	2.108	18.5	19.7
10 28	3 59.85	+32 39.9	1.196	2.106	14.4	19.4
11 7	3 50.61	+32 51.5	1.152	2.105	10.0	19.2
11 17	3 39.16	+32 38.5	1.130	2.104	6.5	19.0
11 27	3 27.40	+32 1.9	1.134	2.103	6.9	19.0
12 7	3 17.29	+31 8.5	1.162	2.103	10.7	19.2
12 17	3 10.29	+30 8.2	1.214	2.104	15.1	19.5
12 27	3 7.20	+29 11.2	1.285	2.105	19.0	19.7

223113 2002 VL_{23} 11 18.8 5°.23 1°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.48	+21 55.4	1.230	2.101	17.3	19.6
10 28	3 59.50	+22 28.0	1.169	2.101	12.7	19.3
11 7	3 50.33	+22 52.3	1.130	2.101	7.4	19.0
11 17	3 39.12	+23 6.7	1.115	2.102	2.2	18.7
11 27	3 27.62	+23 12.2	1.126	2.104	4.9	18.9
12 7	3 17.63	+23 12.5	1.161	2.106	10.3	19.2
12 17	3 10.52	+23 12.6	1.220	2.109	15.1	19.5
12 27	3 7.10	+23 17.6	1.299	2.113	19.2	19.8

223993 2005 EC_{70} 11 18.8 311°.29 14°.1/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 20.61	+37 28.2	1.049	1.876	22.9	20.0
10 28	4 13.06	+40 43.7	0.982	1.865	19.4	19.7
11 7	3 59.49	+43 44.4	0.935	1.854	16.1	19.5
11 17	3 40.72	+46 9.2	0.909	1.844	14.2	19.3
11 27	3 19.53	+47 40.8	0.906	1.835	14.9	19.3
12 7	2 59.90	+48 16.6	0.926	1.826	17.7	19.5
12 17	2 45.32	+48 8.9	0.964	1.817	21.4	19.7
12 27	2 37.67	+47 37.7	1.018	1.809	24.8	19.9

278548 2008 FX_{27} 11 18.8 166°.26 4°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.36	+ 9 53.0	1.663	2.527	13.9	20.8
10 28	3 57.76	+ 9 9.6	1.602	2.530	10.2	20.6
11 7	3 48.97	+ 8 28.4	1.566	2.532	6.4	20.4
11 17	3 38.90	+ 7 53.7	1.557	2.534	4.4	20.3
11 27	3 28.77	+ 7 30.3	1.576	2.536	6.6	20.4
12 7	3 19.77	+ 7 21.4	1.623	2.538	10.3	20.6
12 17	3 12.84	+ 7 28.4	1.693	2.538	14.0	20.9
12 27	3 8.58	+ 7 51.1	1.785	2.539	17.0	21.1

24352 Kapilrama 11 18.8 162°.79 3°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.93	+14 25.9	1.624	2.490	14.1	18.5
10 28	3 57.51	+13 29.8	1.563	2.493	10.1	18.3
11 7	3 48.84	+12 30.5	1.525	2.496	5.9	18.1
11 17	3 38.88	+11 32.6	1.515	2.499	3.1	17.9
11 27	3 28.88	+10 42.0	1.534	2.501	5.7	18.1
12 7	3 20.07	+10 3.8	1.579	2.503	9.9	18.3
12 17	3 13.39	+ 9 41.3	1.650	2.504	13.8	18.6
12 27	3 9.44	+ 9 35.8	1.740	2.505	17.0	18.8

483053 2015 KT_{37} 11 18.8 45°.32 4°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.93	+11 30.6	1.335	2.214	15.7	20.4
10 28	3 56.21	+10 30.6	1.294	2.229	11.3	20.2
11 7	3 48.11	+ 9 32.0	1.275	2.245	6.9	20.0
11 17	3 38.76	+ 8 40.9	1.282	2.261	4.6	19.9
11 27	3 29.55	+ 8 3.6	1.315	2.278	7.1	20.1
12 7	3 21.78	+ 7 44.0	1.373	2.295	11.2	20.4
12 17	3 16.38	+ 7 43.5	1.454	2.313	15.1	20.7
12 27	3 13.86	+ 8 1.2	1.554	2.331	18.2	20.9

101311 1998 SA_{138} 11 18.8 49°.48 3°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.15	+14 25.3	1.215	2.096	16.7	19.2
10 28	3 57.24	+13 23.9	1.175	2.113	11.9	19.0
11 7	3 48.73	+12 20.2	1.158	2.130	6.9	18.8
11 17	3 38.85	+11 20.6	1.165	2.148	3.6	18.6
11 27	3 29.17	+10 32.3	1.198	2.167	6.6	18.9
12 7	3 21.12	+10 0.7	1.256	2.185	11.3	19.2
12 17	3 15.67	+ 9 48.2	1.336	2.204	15.5	19.5
12 27	3 13.35	+ 9 54.7	1.435	2.223	19.0	19.8

45591 2000 CQ_{103} 11 18.8 176°.56 6°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.55	− 1 31.0	2.449	3.292	10.7	18.3
10 28	3 52.35	− 2 46.0	2.395	3.293	8.7	18.2
11 7	3 45.77	− 3 52.1	2.366	3.293	7.2	18.1
11 17	3 38.42	− 4 44.3	2.365	3.294	7.0	18.1
11 27	3 31.04	− 5 18.6	2.391	3.294	8.2	18.2
12 7	3 24.35	− 5 33.2	2.444	3.294	10.1	18.3
12 17	3 18.96	− 5 28.0	2.521	3.294	12.1	18.4
12 27	3 15.31	− 5 4.8	2.618	3.294	14.0	18.6

227671 2006 BT_{250} 11 18.8 67°.44 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.36	+21 1.8	2.157	3.010	11.6	20.7
10 28	3 54.61	+20 47.7	2.091	3.015	8.4	20.5
11 7	3 47.12	+20 27.1	2.051	3.021	4.7	20.3
11 17	3 38.63	+20 1.5	2.038	3.026	0.8	20.0
11 27	3 30.08	+19 33.6	2.055	3.032	3.2	20.2
12 7	3 22.41	+19 6.7	2.101	3.037	6.9	20.4
12 17	3 16.38	+18 44.3	2.174	3.043	10.3	20.7
12 27	3 12.50	+18 29.2	2.270	3.049	13.1	20.9

513777 2013 AQ_{3} 11 18.8 307°.57 11°.2/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.81	−11 7.7	1.811	2.629	15.0	20.7
10 28	3 57.22	−11 51.2	1.760	2.626	13.0	20.6
11 7	3 48.61	−12 13.5	1.730	2.623	11.6	20.5
11 17	3 38.86	−12 8.5	1.725	2.621	11.3	20.5
11 27	3 29.07	−11 33.0	1.744	2.618	12.3	20.5
12 7	3 20.33	−10 28.2	1.787	2.616	14.1	20.7
12 17	3 13.49	− 8 58.0	1.852	2.614	16.3	20.8
12 27	3 9.13	− 7 8.5	1.936	2.612	18.3	21.0

481534 2007 LX_{16} 11 18.8 51°.15 0°.2/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.69	+21 44.3	1.285	2.153	16.9	20.6
10 28	3 58.81	+21 2.0	1.255	2.186	12.0	20.4
11 7	3 49.46	+20 9.6	1.247	2.220	6.6	20.2
11 17	3 38.96	+19 11.3	1.265	2.253	1.0	19.9
11 27	3 28.89	+18 13.4	1.310	2.287	4.5	20.3
12 7	3 20.62	+17 22.7	1.381	2.321	9.5	20.7
12 17	3 15.01	+16 44.3	1.476	2.355	13.7	21.0
12 27	3 12.47	+16 20.8	1.592	2.388	17.0	21.3

516453 2005 EB_{253} 11 18.8 237.°92 5.°3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.18	+ 4 18.3	2.378	3.226	10.8	21.8
10 28	3 55.10	+ 3 20.4	2.297	3.210	8.3	21.6
11 7	3 47.40	+ 2 26.5	2.242	3.192	6.1	21.4
11 17	3 38.70	+ 1 41.3	2.217	3.174	5.3	21.4
11 27	3 29.80	+ 1 9.1	2.220	3.155	6.9	21.4
12 7	3 21.57	+ 0 52.6	2.252	3.135	9.4	21.6
12 17	3 14.72	+ 0 52.9	2.310	3.115	12.1	21.7
12 27	3 9.80	+ 1 9.5	2.389	3.094	14.5	21.9

90556 2004 FO_{138} 11 18.8 260.°77 1.°3/19.0 18

10 18	4 12.88	+19 34.6	1.722	2.566	14.5	19.8
10 28	4 4.58	+20 34.8	1.628	2.547	10.7	19.6
11 7	3 53.22	+21 33.7	1.559	2.527	6.2	19.3
11 17	3 39.64	+22 28.1	1.519	2.506	1.7	18.9
11 27	3 25.26	+23 15.9	1.509	2.485	4.3	19.1
12 7	3 11.70	+23 56.8	1.529	2.463	9.3	19.3
12 17	3 0.41	+24 33.1	1.577	2.441	13.8	19.5
12 27	2 52.41	+25 8.6	1.646	2.419	17.5	19.7

303091 2004 BQ_{23} 11 18.8 270.°25 4.°2/21.4 18

10 18	4 3.58	+33 1.4	1.940	2.762	14.0	20.4
10 28	3 57.45	+32 53.7	1.852	2.749	10.9	20.2
11 7	3 48.94	+32 28.2	1.787	2.735	7.5	20.0
11 17	3 38.94	+31 43.9	1.749	2.722	4.7	19.8
11 27	3 28.70	+30 42.8	1.739	2.708	4.9	19.8
12 7	3 19.50	+29 30.4	1.757	2.694	8.0	19.9
12 17	3 12.38	+28 14.1	1.802	2.680	11.6	20.1
12 27	3 8.05	+27 1.6	1.871	2.666	14.9	20.3

203226 2001 FQ_{99} 11 18.8 172.°32 5.°0/16.1 18

10 18	4 2.03	+ 6 10.3	2.004	2.861	12.2	20.2
10 28	3 55.81	+ 5 28.6	1.943	2.863	9.1	20.0
11 7	3 47.80	+ 4 51.8	1.907	2.865	6.3	19.9
11 17	3 38.76	+ 4 24.1	1.899	2.866	5.0	19.8
11 27	3 29.66	+ 4 9.3	1.919	2.867	6.7	19.9
12 7	3 21.47	+ 4 9.6	1.967	2.867	9.6	20.1
12 17	3 14.95	+ 4 25.3	2.040	2.868	12.6	20.3
12 27	3 10.65	+ 4 55.7	2.134	2.868	15.2	20.5

431692 2008 DU_{60} 11 18.8 167.°87 1.°2/19.3 18

10 18	4 7.05	+23 17.1	1.739	2.586	14.2	22.2
10 28	3 59.83	+23 13.6	1.671	2.590	10.4	21.9
11 7	3 50.21	+23 0.2	1.626	2.594	6.0	21.7
11 17	3 39.14	+22 37.5	1.609	2.597	1.6	21.4
11 27	3 27.95	+22 7.9	1.622	2.599	3.9	21.6
12 7	3 17.96	+21 36.1	1.663	2.600	8.3	21.9
12 17	3 10.20	+21 7.3	1.730	2.601	12.4	22.1
12 27	3 5.31	+20 45.9	1.819	2.602	15.7	22.3

475952 2007 FU_{35} 11 18.8 263.°05 13.°6/24.9 18

10 18	4 19.21	+54 25.2	1.940	2.633	18.2	21.5
10 28	4 10.65	+56 0.6	1.848	2.611	16.6	21.3
11 7	3 57.33	+57 9.8	1.774	2.589	15.1	21.1
11 17	3 40.34	+57 41.9	1.720	2.567	14.0	21.0
11 27	3 22.04	+57 29.8	1.689	2.544	13.7	21.0
12 7	3 5.30	+56 34.6	1.681	2.520	14.4	20.9
12 17	2 52.49	+55 5.5	1.694	2.496	15.9	21.0
12 27	2 44.90	+53 16.4	1.727	2.472	17.9	21.1

339878 2005 TL_{121} 11 18.8 83.°23 4.°1/20.5 18

10 18	4 8.40	+29 11.0	1.500	2.341	16.4	20.8
10 28	4 1.12	+29 37.0	1.446	2.356	12.4	20.6
11 7	3 51.01	+29 47.0	1.413	2.370	8.1	20.4
11 17	3 39.26	+29 39.1	1.407	2.385	4.5	20.2
11 27	3 27.50	+29 14.9	1.427	2.399	5.3	20.3
12 7	3 17.29	+28 39.9	1.475	2.413	9.1	20.6
12 17	3 9.79	+28 1.3	1.548	2.428	13.0	20.8
12 27	3 5.63	+27 26.1	1.642	2.441	16.4	21.1

447858 2007 VN_{9} 11 18.8 355.°53 3.°0/20.2 17

10 18	3 59.56	+27 49.0	1.305	2.171	16.9	20.9
10 28	3 55.15	+27 37.3	1.240	2.165	12.7	20.6
11 7	3 47.87	+27 7.9	1.195	2.161	7.9	20.3
11 17	3 38.80	+26 21.0	1.174	2.158	3.5	20.1
11 27	3 29.55	+25 21.1	1.179	2.157	4.8	20.1
12 7	3 21.70	+24 15.9	1.209	2.156	9.6	20.4
12 17	3 16.45	+23 14.0	1.262	2.157	14.3	20.7
12 27	3 14.53	+22 22.7	1.335	2.159	18.2	20.9

480302 2015 HQ_{168} 11 18.8 61.°21 2.°1/17.9 18

10 18	4 4.16	+16 10.8	1.398	2.270	15.5	20.7
10 28	3 57.85	+15 40.2	1.351	2.285	11.1	20.4
11 7	3 49.08	+15 5.9	1.327	2.300	6.2	20.2
11 17	3 38.97	+14 31.4	1.328	2.314	2.1	20.0
11 27	3 28.95	+14 1.7	1.356	2.330	5.2	20.2
12 7	3 20.38	+13 41.1	1.411	2.345	9.9	20.5
12 17	3 14.23	+13 32.8	1.490	2.360	14.1	20.8
12 27	3 11.06	+13 38.0	1.589	2.376	17.5	21.1

212209 2005 GJ_{162} 11 18.8 233.°33 3.°4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.36	+ 9 33.3	2.202	3.055	11.4	20.9
10 28	3 56.81	+ 9 17.4	2.122	3.043	8.4	20.7
11 7	3 48.42	+ 9 3.8	2.067	3.031	5.2	20.5
11 17	3 38.89	+ 8 55.2	2.041	3.019	3.4	20.4
11 27	3 29.14	+ 8 54.2	2.045	3.006	5.2	20.5
12 7	3 20.14	+ 9 2.6	2.078	2.992	8.4	20.7
12 17	3 12.68	+ 9 21.6	2.138	2.978	11.7	20.8
12 27	3 7.39	+ 9 51.4	2.220	2.963	14.4	21.0

403158 2008 FL_{113} 11 18.8 87.°32 0.°8/18.3 18

10 18	4 1.48	+17 48.4	2.022	2.880	12.1	21.6
10 28	3 55.50	+17 34.6	1.957	2.884	8.6	21.3
11 7	3 47.67	+17 16.7	1.918	2.889	4.8	21.1
11 17	3 38.76	+16 56.5	1.906	2.894	1.0	20.9
11 27	3 29.79	+16 36.8	1.923	2.898	3.7	21.1
12 7	3 21.74	+16 20.7	1.969	2.903	7.6	21.3
12 17	3 15.41	+16 11.0	2.042	2.907	11.0	21.6
12 27	3 11.36	+16 9.8	2.137	2.912	14.0	21.8

132461 2002 HG_{12} 11 18.8 104.°48 1.°5/17.9 18

10 18	4 5.10	+15 47.2	1.977	2.831	12.5	20.2
10 28	3 57.91	+15 29.6	1.928	2.853	8.9	20.0
11 7	3 48.90	+15 9.5	1.904	2.875	4.9	19.8
11 17	3 38.94	+14 49.2	1.910	2.896	1.6	19.6
11 27	3 29.08	+14 31.5	1.945	2.917	4.1	19.8
12 7	3 20.34	+14 19.2	2.009	2.937	7.8	20.1
12 17	3 13.46	+14 14.7	2.100	2.957	11.2	20.4
12 27	3 8.94	+14 19.4	2.214	2.976	13.9	20.6

401034 2011 SK_{182} 11 18.8 7.°05 1.°5/19.5 18

10 18	4 2.09	+24 1.8	1.585	2.444	14.7	20.9
10 28	3 56.48	+23 55.7	1.520	2.445	10.8	20.6
11 7	3 48.42	+23 38.5	1.477	2.445	6.3	20.4
11 17	3 38.89	+23 11.0	1.460	2.447	1.9	20.1
11 27	3 29.22	+22 36.3	1.470	2.448	4.0	20.2
12 7	3 20.75	+21 59.7	1.508	2.450	8.6	20.5
12 17	3 14.52	+21 26.6	1.571	2.453	12.8	20.8
12 27	3 11.18	+21 1.7	1.655	2.456	16.3	21.0

312925 2011 WX_{39} 11 18.8 105.°04 5.°7/16.6 18

10 18	4 4.20	+ 3 16.5	1.874	2.726	13.1	20.4
10 28	3 57.43	+ 3 1.5	1.817	2.732	10.0	20.2
11 7	3 48.73	+ 2 55.5	1.785	2.738	7.0	20.1
11 17	3 38.93	+ 3 1.8	1.781	2.744	5.7	20.0
11 27	3 29.09	+ 3 22.8	1.804	2.750	7.2	20.1
12 7	3 20.27	+ 3 59.1	1.856	2.756	10.2	20.3
12 17	3 13.28	+ 4 49.3	1.932	2.761	13.2	20.5
12 27	3 8.69	+ 5 51.6	2.030	2.767	15.8	20.7

341010 2007 FT_{31} 11 18.8 179.°31 0.°1/18.7 18

10 18	4 4.56	+20 34.3	1.943	2.794	12.8	21.6
10 28	3 57.81	+20 12.6	1.872	2.795	9.2	21.4
11 7	3 49.01	+19 43.6	1.826	2.796	5.1	21.2
11 17	3 38.98	+19 8.9	1.808	2.796	0.8	20.8
11 27	3 28.86	+18 31.9	1.820	2.796	3.7	21.1
12 7	3 19.76	+17 56.9	1.861	2.796	7.9	21.3
12 17	3 12.56	+17 28.0	1.929	2.794	11.6	21.6
12 27	3 7.86	+17 8.5	2.019	2.793	14.7	21.8

167275 2003 UU_{148} 11 18.8 76.°22 1.°4/18.0 18

10 18	4 2.94	+17 37.4	1.671	2.535	13.8	19.9
10 28	3 56.71	+17 2.8	1.619	2.549	9.9	19.7
11 7	3 48.37	+16 23.2	1.591	2.563	5.4	19.5
11 17	3 38.88	+15 41.7	1.589	2.577	1.5	19.3
11 27	3 29.45	+15 2.9	1.617	2.591	4.5	19.5
12 7	3 21.24	+14 31.3	1.672	2.604	8.7	19.8
12 17	3 15.11	+14 10.2	1.752	2.618	12.5	20.1
12 27	3 11.59	+14 1.8	1.854	2.632	15.6	20.3

515840 2015 NR_{26} 11 18.8 141.°72 5.°3/22.3 18

10 18	4 6.31	+36 33.1	1.920	2.725	14.7	20.9
10 28	3 59.28	+36 22.8	1.850	2.732	11.7	20.7
11 7	3 49.87	+35 51.7	1.802	2.738	8.4	20.5
11 17	3 39.11	+34 58.6	1.780	2.743	5.8	20.4
11 27	3 28.37	+33 46.2	1.786	2.748	5.6	20.4
12 7	3 18.96	+32 21.1	1.821	2.753	8.2	20.6
12 17	3 11.84	+30 51.6	1.883	2.758	11.3	20.8
12 27	3 7.61	+29 26.1	1.969	2.762	14.3	21.0

167927 2005 EG_{143} 11 18.8 250.°81 0.°3/18.6 18

10 18	4 3.18	+19 27.7	1.963	2.817	12.5	20.6
10 28	3 56.96	+19 17.9	1.880	2.805	9.1	20.3
11 7	3 48.62	+19 2.4	1.823	2.794	5.1	20.1
11 17	3 38.95	+18 42.3	1.793	2.782	0.8	19.7
11 27	3 29.02	+18 20.2	1.793	2.770	3.7	19.9
12 7	3 19.95	+17 59.7	1.822	2.757	7.9	20.2
12 17	3 12.69	+17 44.3	1.877	2.744	11.8	20.4
12 27	3 7.91	+17 37.2	1.955	2.731	15.0	20.6

329647 2003 SJ_{192} 11 18.8 38°.86 4°.7/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.34	+31 23.7	1.820	2.650	14.4	20.2
10 28	3 57.91	+32 2.0	1.766	2.667	11.1	20.1
11 7	3 49.14	+32 25.4	1.736	2.684	7.6	19.9
11 17	3 39.02	+32 31.9	1.731	2.702	5.0	19.8
11 27	3 28.85	+32 22.0	1.755	2.720	5.3	19.8
12 7	3 19.91	+31 59.7	1.805	2.739	8.1	20.0
12 17	3 13.19	+31 30.6	1.882	2.758	11.3	20.3
12 27	3 9.28	+31 0.9	1.981	2.778	14.1	20.5

517908 2015 TJ_{118} 11 18.8 4°.71 9°.3/13.7 18

10 18	3 58.05	− 2 51.9	1.681	2.538	14.1	20.1
10 28	3 53.22	− 4 6.9	1.633	2.538	11.6	19.9
11 7	3 46.46	− 5 7.8	1.608	2.538	9.7	19.8
11 17	3 38.61	− 5 47.5	1.608	2.540	9.4	19.8
11 27	3 30.72	− 6 1.0	1.633	2.542	10.8	19.9
12 7	3 23.83	− 5 47.2	1.681	2.544	13.2	20.0
12 17	3 18.76	− 5 7.7	1.751	2.548	15.7	20.2
12 27	3 16.03	− 4 6.7	1.839	2.552	18.0	20.4

28480 Seojinyoung 11 18.8 176°.59 1°.0/19.3 18 R

10 18	4 5.89	+23 28.7	1.942	2.785	13.1	19.4
10 28	3 58.81	+23 13.9	1.870	2.788	9.5	19.2
11 7	3 49.59	+22 49.4	1.823	2.790	5.5	19.0
11 17	3 39.09	+22 16.1	1.804	2.791	1.4	18.7
11 27	3 28.50	+21 37.0	1.815	2.791	3.6	18.9
12 7	3 18.97	+20 56.6	1.855	2.791	7.7	19.1
12 17	3 11.43	+20 19.9	1.922	2.790	11.5	19.4
12 27	3 6.49	+19 51.1	2.012	2.789	14.6	19.6

146759 2001 XP_{167} 11 18.8 122°.37 1°.4/17.9 18

10 18	4 1.14	+16 25.7	2.063	2.922	11.8	19.8
10 28	3 55.22	+16 2.2	1.998	2.925	8.5	19.6
11 7	3 47.52	+15 35.5	1.958	2.929	4.7	19.4
11 17	3 38.78	+15 7.9	1.946	2.932	1.5	19.2
11 27	3 29.97	+14 42.5	1.963	2.936	4.0	19.4
12 7	3 22.06	+14 22.6	2.009	2.939	7.7	19.6
12 17	3 15.82	+14 10.8	2.082	2.942	11.1	19.8
12 27	3 11.79	+14 9.0	2.177	2.945	13.9	20.0

154251 2002 LB_5 11 18.8 192°.94 2°.0/20.3 18

10 18	4 0.89	+28 18.6	2.556	3.383	10.8	20.2
10 28	3 54.88	+27 53.4	2.476	3.382	8.1	20.0
11 7	3 47.27	+27 16.9	2.421	3.380	5.0	19.8
11 17	3 38.74	+26 29.9	2.396	3.378	2.3	19.6
11 27	3 30.14	+25 35.0	2.401	3.376	3.1	19.7
12 7	3 22.35	+24 36.5	2.436	3.373	6.1	19.8
12 17	3 16.05	+23 38.8	2.500	3.370	9.1	20.0
12 27	3 11.75	+22 46.5	2.589	3.367	11.7	20.2

54904 2001 OZ_{78} 11 18.8 342°.48 3°.6/17.0 18

10 18	4 1.39	+10 40.4	1.818	2.683	12.9	18.9
10 28	3 55.59	+10 11.8	1.753	2.682	9.4	18.7
11 7	3 47.80	+ 9 44.9	1.713	2.681	5.7	18.5
11 17	3 38.83	+ 9 23.2	1.700	2.680	3.6	18.3
11 27	3 29.74	+ 9 10.2	1.715	2.679	5.7	18.5
12 7	3 21.62	+ 9 8.7	1.758	2.678	9.3	18.7
12 17	3 15.31	+ 9 20.1	1.826	2.677	12.8	18.9
12 27	3 11.42	+ 9 44.3	1.915	2.677	15.8	19.1

271494 2004 FS_{92} 11 18.8 244°.74 2°.4/17.6 18

10 18	4 3.48	+16 5.3	1.593	2.460	14.3	21.1
10 28	3 57.42	+15 18.4	1.521	2.453	10.3	20.8
11 7	3 48.96	+14 26.1	1.473	2.445	5.8	20.5
11 17	3 39.01	+13 32.5	1.451	2.437	2.4	20.3
11 27	3 28.87	+12 43.1	1.458	2.429	5.3	20.5
12 7	3 19.85	+12 3.6	1.491	2.420	9.9	20.7
12 17	3 12.97	+11 38.1	1.550	2.412	14.1	21.0
12 27	3 8.93	+11 28.8	1.628	2.403	17.6	21.2

362498 2010 TP_{33} 11 18.8 196°.84 3°.6/16.4 18

10 18	3 59.70	+11 10.2	2.148	3.009	11.3	21.5
10 28	3 54.11	+10 11.7	2.081	3.008	8.2	21.3
11 7	3 46.87	+ 9 13.0	2.041	3.006	5.1	21.1
11 17	3 38.68	+ 8 18.3	2.028	3.005	3.6	21.0
11 27	3 30.43	+ 7 32.2	2.046	3.003	5.5	21.1
12 7	3 23.00	+ 6 58.4	2.091	3.002	8.6	21.3
12 17	3 17.10	+ 6 39.0	2.162	3.000	11.6	21.5
12 27	3 13.26	+ 6 34.6	2.255	2.998	14.3	21.7

491736 2012 VN_{17} 11 18.8 3°.09 1°.7/17.7 16

10 18	3 56.00	+15 27.0	2.207	3.072	10.9	20.7
10 28	3 51.50	+15 2.0	2.141	3.072	7.8	20.5
11 7	3 45.43	+14 35.0	2.101	3.073	4.4	20.3
11 17	3 38.46	+14 8.3	2.088	3.074	1.7	20.2
11 27	3 31.42	+13 44.9	2.105	3.077	3.9	20.3
12 7	3 25.13	+13 27.7	2.150	3.080	7.2	20.5
12 17	3 20.27	+13 18.9	2.220	3.083	10.4	20.7
12 27	3 17.33	+13 19.8	2.314	3.088	13.0	20.9

443651 2015 DS_{211} 11 18.8 168°.77 2°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.63	+13 29.4	1.673	2.535	13.9	20.8
10 28	3 58.78	+13 13.0	1.609	2.537	10.1	20.6
11 7	3 49.63	+12 56.0	1.569	2.539	5.8	20.4
11 17	3 39.12	+12 41.0	1.556	2.541	2.6	20.2
11 27	3 28.48	+12 31.4	1.572	2.542	5.2	20.3
12 7	3 18.98	+12 30.0	1.616	2.543	9.4	20.6
12 17	3 11.60	+12 38.9	1.685	2.544	13.3	20.8
12 27	3 6.97	+12 59.2	1.775	2.544	16.6	21.1

15010 1998 QL_{92} 11 18.8 7°.09 1°.9/18.1 18

10 18	3 58.54	+17 41.6	0.976	1.874	18.4	16.3
10 28	3 54.74	+17 8.9	0.928	1.874	13.2	16.0
11 7	3 47.75	+16 29.0	0.899	1.876	7.4	15.7
11 17	3 38.85	+15 46.6	0.892	1.880	2.0	15.4
11 27	3 29.86	+15 8.9	0.908	1.885	6.1	15.6
12 7	3 22.55	+14 42.5	0.947	1.892	11.9	16.0
12 17	3 18.17	+14 31.9	1.006	1.901	17.0	16.3
12 27	3 17.41	+14 38.9	1.083	1.912	21.2	16.6

475343 2006 BX_{69} 11 18.8 339°.00 2°.8/19.8 18

10 18	4 3.44	+25 11.0	1.323	2.188	16.7	20.6
10 28	3 58.07	+25 33.3	1.253	2.180	12.5	20.3
11 7	3 49.63	+25 43.5	1.205	2.172	7.7	20.0
11 17	3 39.17	+25 40.0	1.180	2.165	3.2	19.8
11 27	3 28.32	+25 24.3	1.181	2.158	4.9	19.9
12 7	3 18.79	+25 1.1	1.208	2.153	9.9	20.1
12 17	3 11.96	+24 37.0	1.258	2.148	14.7	20.4
12 27	3 8.66	+24 18.3	1.328	2.144	18.7	20.6

3688 Navajo 11 18.8 314°.23 0°.9/19.2 17

10 18	4 2.46	+22 35.0	2.046	2.894	12.3	19.7
10 28	3 56.82	+22 30.7	1.923	2.844	9.2	19.4
11 7	3 48.82	+22 18.1	1.826	2.794	5.4	19.1
11 17	3 39.07	+21 57.1	1.755	2.743	1.3	18.7
11 27	3 28.60	+21 29.5	1.714	2.691	3.7	18.8
12 7	3 18.61	+20 58.6	1.702	2.640	8.2	18.9
12 17	3 10.24	+20 29.1	1.717	2.588	12.5	19.1
12 27	3 4.40	+20 5.9	1.754	2.536	16.2	19.2

7646 1989 KE 11 18.8 161°.91 6°.8/14.7 18

10 18	4 1.58	+ 0 57.2	2.093	2.941	12.1	18.6
10 28	3 55.42	− 0 6.7	2.039	2.946	9.5	18.4
11 7	3 47.59	− 1 2.0	2.010	2.950	7.4	18.3
11 17	3 38.82	− 1 43.4	2.008	2.954	6.8	18.3
11 27	3 30.05	− 2 6.7	2.035	2.957	8.2	18.4
12 7	3 22.15	− 2 10.1	2.088	2.960	10.6	18.5
12 17	3 15.86	− 1 53.9	2.166	2.962	13.1	18.7
12 27	3 11.66	− 1 20.0	2.264	2.964	15.3	18.9

302531 2002 LL_{58} 11 18.8 35°.75 1°.2/19.2 18

10 18	4 9.58	+21 22.6	1.055	1.929	19.2	18.3
10 28	4 1.84	+21 44.0	1.040	1.973	13.7	18.1
11 7	3 51.21	+21 54.6	1.045	2.017	7.6	18.0
11 17	3 39.33	+21 54.7	1.075	2.063	1.8	17.7
11 27	3 28.13	+21 47.7	1.130	2.108	4.8	18.1
12 7	3 19.19	+21 39.0	1.210	2.155	9.9	18.5
12 17	3 13.44	+21 33.6	1.314	2.201	14.3	18.9
12 27	3 11.20	+21 35.2	1.437	2.248	17.8	19.3

378569 2008 CP_{214} 11 18.8 204°.28 1°.3/19.4 18

10 18	4 6.86	+23 46.9	1.762	2.608	14.1	21.5
10 28	3 59.82	+23 40.3	1.685	2.604	10.3	21.3
11 7	3 50.32	+23 23.3	1.633	2.600	6.0	21.0
11 17	3 39.29	+22 56.2	1.608	2.595	1.7	20.7
11 27	3 28.03	+22 21.5	1.612	2.589	3.9	20.9
12 7	3 17.90	+21 44.2	1.645	2.583	8.4	21.1
12 17	3 9.94	+21 9.6	1.704	2.576	12.5	21.4
12 27	3 4.87	+20 42.8	1.785	2.568	16.0	21.6

99783 2002 JE_{127} 11 18.8 220°.32 3°.2/17.1 18

10 18	4 2.52	+12 12.2	1.876	2.738	12.7	19.7
10 28	3 56.41	+11 34.1	1.805	2.733	9.2	19.5
11 7	3 48.30	+10 55.4	1.760	2.728	5.5	19.3
11 17	3 38.97	+10 19.8	1.742	2.723	3.2	19.1
11 27	3 29.50	+ 9 51.7	1.753	2.718	5.5	19.2
12 7	3 20.97	+ 9 34.4	1.792	2.712	9.2	19.4
12 17	3 14.24	+ 9 30.2	1.856	2.706	12.7	19.7
12 27	3 9.93	+ 9 39.8	1.942	2.700	15.7	19.9

116053 2003 WD_{107} 11 18.8 336°.09 1°.4/19.8 18

10 18	4 2.75	+28 35.8	1.699	2.543	14.6	18.8
10 28	3 56.78	+27 16.5	1.624	2.541	10.8	18.6
11 7	3 48.53	+25 37.3	1.574	2.539	6.4	18.3
11 17	3 39.00	+23 42.0	1.550	2.537	2.0	18.0
11 27	3 29.49	+21 38.1	1.557	2.535	3.8	18.1
12 7	3 21.25	+19 35.6	1.593	2.533	8.4	18.4
12 17	3 15.21	+17 44.0	1.656	2.532	12.6	18.7
12 27	3 11.92	+16 10.1	1.742	2.530	16.1	18.9

391510 2007 RV_{61} 11 18.8 252°.66 1°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.95	+23 12.1	1.863	2.712	13.3	21.5
10 28	3 57.69	+23 4.8	1.780	2.701	9.8	21.2
11 7	3 49.13	+22 48.1	1.721	2.689	5.7	21.0
11 17	3 39.12	+22 22.5	1.690	2.677	1.5	20.7
11 27	3 28.81	+21 50.6	1.688	2.665	3.7	20.8
12 7	3 19.46	+21 16.6	1.714	2.652	8.1	21.1
12 17	3 12.07	+20 45.4	1.766	2.639	12.1	21.3
12 27	3 7.35	+20 21.6	1.841	2.626	15.5	21.5

353025 2009 BV_{186} 11 18.8 279°.03 7°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.67	− 0 18.4	1.871	2.721	13.2	21.2
10 28	3 55.91	− 1 20.2	1.793	2.699	10.6	21.0
11 7	3 48.10	− 2 12.6	1.739	2.677	8.5	20.8
11 17	3 38.96	− 2 49.3	1.711	2.654	8.0	20.7
11 27	3 29.52	− 3 5.0	1.710	2.631	9.6	20.8
12 7	3 20.87	− 2 56.9	1.735	2.608	12.3	20.9
12 17	3 13.92	− 2 25.3	1.783	2.585	15.3	21.1
12 27	3 9.37	− 1 32.6	1.850	2.562	17.9	21.2

108193 2001 HS_{17} 11 18.8 84°.01 1°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.62	+18 34.9	1.827	2.685	13.1	20.4
10 28	3 57.01	+18 0.9	1.780	2.707	9.3	20.2
11 7	3 48.50	+17 21.5	1.757	2.729	5.1	20.0
11 17	3 38.99	+16 39.5	1.762	2.750	1.1	19.8
11 27	3 29.62	+15 59.2	1.797	2.771	4.0	20.1
12 7	3 21.44	+15 24.7	1.860	2.792	8.0	20.3
12 17	3 15.22	+14 59.4	1.949	2.813	11.5	20.6
12 27	3 11.44	+14 45.6	2.060	2.833	14.5	20.8

487471 2014 SC_{154} 11 18.8 50°.65 4°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.93	+10 27.2	1.924	2.791	12.2	20.5
10 28	3 53.54	+ 9 0.9	1.883	2.811	8.8	20.3
11 7	3 46.53	+ 7 36.2	1.867	2.832	5.7	20.2
11 17	3 38.70	+ 6 18.9	1.880	2.852	4.4	20.1
11 27	3 31.00	+ 5 14.7	1.921	2.873	6.3	20.3
12 7	3 24.31	+ 4 27.6	1.990	2.894	9.3	20.5
12 17	3 19.29	+ 3 59.2	2.083	2.915	12.2	20.8
12 27	3 16.37	+ 3 49.2	2.198	2.937	14.7	21.0

263273 2008 BW_{29} 11 18.8 261°.98 3°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.13	+12 25.8	1.440	2.311	15.2	20.9
10 28	3 58.11	+11 39.6	1.370	2.303	11.1	20.6
11 7	3 49.47	+10 52.1	1.324	2.294	6.7	20.3
11 17	3 39.19	+10 8.2	1.304	2.286	3.9	20.1
11 27	3 28.66	+ 9 33.9	1.311	2.277	6.7	20.3
12 7	3 19.32	+ 9 14.1	1.343	2.268	11.2	20.5
12 17	3 12.30	+ 9 11.4	1.399	2.258	15.5	20.7
12 27	3 8.33	+ 9 26.6	1.474	2.249	19.1	21.0

318270 2004 SW_{46} 11 18.8 123°.40 2°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.46	+12 57.8	2.211	3.071	11.1	20.5
10 28	3 53.90	+12 5.0	2.149	3.076	8.0	20.4
11 7	3 46.76	+11 11.0	2.113	3.081	4.7	20.2
11 17	3 38.75	+10 19.7	2.105	3.086	2.8	20.1
11 27	3 30.71	+ 9 35.1	2.128	3.091	4.8	20.2
12 7	3 23.51	+ 9 0.7	2.178	3.095	8.0	20.4
12 17	3 17.80	+ 8 38.9	2.256	3.100	11.0	20.6
12 27	3 14.08	+ 8 30.5	2.355	3.104	13.5	20.8

190343 1998 TZ_{24} 11 18.8 214°.77 2°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.74	+12 52.4	2.356	3.215	10.5	20.8
10 28	3 53.36	+12 0.8	2.286	3.213	7.6	20.6
11 7	3 46.47	+11 7.7	2.242	3.210	4.5	20.4
11 17	3 38.71	+10 16.8	2.227	3.207	2.7	20.3
11 27	3 30.87	+ 9 32.0	2.242	3.205	4.6	20.4
12 7	3 23.77	+ 8 56.8	2.286	3.202	7.7	20.6
12 17	3 18.06	+ 8 33.5	2.356	3.198	10.6	20.8
12 27	3 14.23	+ 8 23.3	2.449	3.195	13.1	20.9

151440 2002 GY_{14} 11 18.8 179°.77 0°.3/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.05	+19 25.3	2.180	3.033	11.5	20.0
10 28	3 55.18	+19 11.9	2.109	3.033	8.2	19.8
11 7	3 47.55	+18 53.3	2.063	3.033	4.6	19.6
11 17	3 38.88	+18 31.0	2.045	3.033	0.7	19.3
11 27	3 30.10	+18 7.5	2.057	3.033	3.3	19.5
12 7	3 22.15	+17 46.0	2.099	3.033	7.1	19.7
12 17	3 15.81	+17 29.6	2.167	3.033	10.5	20.0
12 27	3 11.62	+17 20.9	2.258	3.033	13.3	20.2

276634 2003 UL_{166} 11 18.8 324°.93 4°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.70	+13 20.4	1.729	2.603	13.0	19.3
10 28	3 53.23	+11 7.7	1.641	2.574	9.5	19.1
11 7	3 46.66	+ 8 45.2	1.579	2.546	6.1	18.8
11 17	3 38.76	+ 6 21.7	1.545	2.519	5.0	18.7
11 27	3 30.59	+ 4 8.1	1.541	2.492	7.7	18.8
12 7	3 23.26	+ 2 14.2	1.564	2.466	11.6	18.9
12 17	3 17.71	+ 0 46.4	1.611	2.440	15.4	19.1
12 27	3 14.63	− 0 12.8	1.678	2.416	18.6	19.3

167142 2003 SV_{199} 11 18.8 14°.87 5°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.09	+31 12.9	1.440	2.282	16.9	19.4
10 28	3 59.91	+32 8.9	1.378	2.284	13.2	19.2
11 7	3 50.64	+32 48.6	1.337	2.288	9.2	18.9
11 17	3 39.39	+33 7.6	1.321	2.292	6.1	18.8
11 27	3 27.83	+33 5.2	1.331	2.297	6.6	18.8
12 7	3 17.71	+32 45.6	1.366	2.303	9.9	19.0
12 17	3 10.36	+32 16.1	1.426	2.309	13.8	19.3
12 27	3 6.57	+31 44.8	1.506	2.316	17.2	19.5

516424 2003 JP_{18} 11 18.8 297°.49 1°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.93	+22 43.2	1.494	2.356	15.3	21.5
10 28	3 58.18	+22 42.2	1.415	2.342	11.3	21.2
11 7	3 49.63	+22 31.0	1.358	2.328	6.6	20.9
11 17	3 39.24	+22 10.0	1.326	2.314	1.7	20.5
11 27	3 28.44	+21 41.8	1.322	2.300	4.3	20.7
12 7	3 18.76	+21 11.4	1.344	2.286	9.4	21.0
12 17	3 11.46	+20 44.6	1.391	2.273	14.1	21.2
12 27	3 7.37	+20 26.5	1.458	2.260	18.0	21.4

299634 2006 KC_{8} 11 18.8 42°.55 0°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.19	+23 29.2	1.283	2.152	16.8	19.4
10 28	3 57.11	+22 7.7	1.249	2.181	12.0	19.2
11 7	3 48.62	+20 33.3	1.238	2.211	6.5	19.0
11 17	3 39.02	+18 52.5	1.253	2.242	1.0	18.7
11 27	3 29.83	+17 14.6	1.295	2.273	4.6	19.0
12 7	3 22.36	+15 48.6	1.364	2.304	9.6	19.4
12 17	3 17.45	+14 40.6	1.457	2.336	13.8	19.8
12 27	3 15.49	+13 53.3	1.571	2.368	17.2	20.1

70589 1999 TO_{173} 11 18.8 97°.42 1°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.36	+25 7.4	1.818	2.663	13.8	20.0
10 28	3 58.43	+24 54.5	1.764	2.681	10.1	19.8
11 7	3 49.37	+24 30.5	1.733	2.699	5.9	19.6
11 17	3 39.16	+23 56.3	1.730	2.716	2.0	19.4
11 27	3 29.03	+23 15.1	1.756	2.733	3.6	19.6
12 7	3 20.15	+22 32.1	1.811	2.750	7.7	19.8
12 17	3 13.39	+21 52.4	1.893	2.766	11.3	20.1
12 27	3 9.27	+21 20.4	1.997	2.783	14.4	20.3

300587 2007 TJ_{393} 11 18.8 296°.30 4°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.01	+11 40.5	1.677	2.548	13.4	20.4
10 28	3 54.92	+10 16.3	1.597	2.528	9.9	20.2
11 7	3 47.63	+ 8 48.5	1.542	2.509	6.3	19.9
11 17	3 38.93	+ 7 23.8	1.513	2.489	4.7	19.8
11 27	3 29.97	+ 6 9.7	1.513	2.470	7.1	19.9
12 7	3 21.93	+ 5 12.9	1.539	2.451	11.0	20.1
12 17	3 15.78	+ 4 37.2	1.589	2.432	14.9	20.3
12 27	3 12.21	+ 4 23.8	1.659	2.413	18.1	20.5

511777 2015 EZ 11 18.8 152°.38 12°.7/14.2 18 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 23.81	+ 4 30.2	0.803	1.676	23.9	22.1
10 28	4 12.83	+ 1 26.6	0.771	1.695	18.4	21.8
11 7	3 57.69	− 1 25.5	0.759	1.711	13.9	21.7
11 17	3 40.44	− 3 44.9	0.770	1.725	12.9	21.7
11 27	3 23.80	− 5 14.6	0.805	1.735	15.9	21.9
12 7	3 10.16	− 5 49.9	0.860	1.744	20.5	22.2
12 17	3 0.87	− 5 36.9	0.932	1.749	24.8	22.5
12 27	2 56.36	− 4 46.2	1.017	1.752	28.4	22.8

14685 1999 XM_{172} 11 18.8 300°.20 4°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.38	+35 0.8	2.173	2.983	13.1	17.9
10 28	3 56.47	+35 10.3	2.090	2.975	10.4	17.7
11 7	3 48.42	+35 3.5	2.031	2.968	7.5	17.5
11 17	3 39.05	+34 38.8	1.998	2.961	5.2	17.4
11 27	3 29.48	+33 57.4	1.993	2.955	5.2	17.4
12 7	3 20.86	+33 3.3	2.017	2.948	7.6	17.5
12 17	3 14.13	+32 2.5	2.067	2.941	10.5	17.7
12 27	3 9.93	+31 1.7	2.141	2.935	13.3	17.9

119478 2001 US_{32} 11 18.8 253°.96 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.95	+16 30.8	1.741	2.602	13.5	20.0
10 28	3 57.75	+16 1.8	1.660	2.588	9.8	19.7
11 7	3 49.22	+15 27.9	1.603	2.574	5.5	19.4
11 17	3 39.20	+14 52.1	1.573	2.560	1.8	19.1
11 27	3 28.88	+14 18.4	1.572	2.545	4.7	19.3
12 7	3 19.51	+13 51.3	1.599	2.530	9.2	19.6
12 17	3 12.14	+13 34.5	1.652	2.515	13.3	19.8
12 27	3 7.48	+13 30.6	1.725	2.499	16.8	20.0

352222 2007 TQ_{35} 11 18.8 116°.65 1°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 13.77	+22 14.4	2.134	2.961	12.7	19.5
10 28	4 4.38	+23 16.0	2.071	2.980	9.3	19.3
11 7	3 52.73	+24 11.7	2.036	2.998	5.5	19.1
11 17	3 39.74	+24 58.7	2.031	3.015	2.1	18.9
11 27	3 26.60	+25 35.7	2.059	3.032	3.7	19.0
12 7	3 14.54	+26 4.0	2.118	3.049	7.3	19.3
12 17	3 4.53	+26 26.3	2.207	3.065	10.6	19.5
12 27	2 57.22	+26 46.4	2.319	3.080	13.4	19.7

314292 2005 SR_{79} 11 18.8 4°.22 1°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.69	+17 10.2	1.831	2.695	12.8	21.4
10 28	3 55.17	+16 43.4	1.764	2.695	9.2	21.2
11 7	3 47.65	+16 12.2	1.723	2.695	5.1	21.0
11 17	3 38.95	+15 39.4	1.708	2.695	1.5	20.7
11 27	3 30.14	+15 8.5	1.722	2.696	4.2	20.9
12 7	3 22.31	+14 43.6	1.763	2.697	8.3	21.2
12 17	3 16.32	+14 27.9	1.831	2.698	12.0	21.4
12 27	3 12.74	+14 23.4	1.920	2.699	15.1	21.6

49223 1998 SA_{136} 11 18.8 91°.51 1°.3/19.3 18

10 18	4 9.56	+22 38.9	1.558	2.408	15.4	18.2
10 28	4 1.65	+22 50.3	1.511	2.432	11.1	18.0
11 7	3 51.25	+22 52.2	1.487	2.455	6.4	17.8
11 17	3 39.49	+22 44.6	1.491	2.477	1.8	17.6
11 27	3 27.86	+22 29.8	1.523	2.500	4.0	17.8
12 7	3 17.75	+22 12.2	1.583	2.521	8.6	18.1
12 17	3 10.16	+21 56.6	1.668	2.543	12.6	18.4
12 27	3 5.65	+21 47.2	1.776	2.563	15.9	18.7

292116 2006 RQ_{59} 11 18.8 89°.56 1°.6/17.9 18

10 18	4 1.68	+16 55.2	1.874	2.735	12.7	20.9
10 28	3 55.77	+16 20.4	1.813	2.742	9.1	20.7
11 7	3 47.93	+15 41.4	1.777	2.749	5.1	20.5
11 17	3 38.99	+15 1.1	1.769	2.755	1.6	20.2
11 27	3 30.03	+14 23.6	1.789	2.762	4.3	20.5
12 7	3 22.09	+13 53.0	1.838	2.769	8.2	20.7
12 17	3 15.98	+13 32.5	1.913	2.775	11.8	20.9
12 27	3 12.25	+13 23.9	2.010	2.782	14.8	21.2

420677 2012 KT_{14} 11 18.8 162°.09 3°.1/16.6 18

10 18	3 58.49	+10 57.6	2.499	3.356	10.1	21.7
10 28	3 53.10	+10 9.1	2.434	3.358	7.3	21.5
11 7	3 46.32	+ 9 21.0	2.395	3.361	4.5	21.3
11 17	3 38.74	+ 8 36.7	2.386	3.362	3.1	21.2
11 27	3 31.13	+ 7 59.5	2.406	3.364	4.7	21.3
12 7	3 24.22	+ 7 32.5	2.456	3.366	7.5	21.5
12 17	3 18.61	+ 7 17.2	2.532	3.367	10.2	21.7
12 27	3 14.77	+ 7 14.4	2.630	3.368	12.5	21.9

478958 2012 XX_{66} 11 18.8 109°.74 2°.2/17.4 17

10 18	4 3.38	+16 31.6	1.921	2.779	12.6	20.7
10 28	3 56.77	+15 23.8	1.870	2.797	9.0	20.5
11 7	3 48.37	+14 11.5	1.844	2.815	5.0	20.3
11 17	3 39.05	+12 59.4	1.847	2.832	2.2	20.1
11 27	3 29.86	+11 53.0	1.880	2.849	4.7	20.3
12 7	3 21.78	+10 57.3	1.943	2.865	8.4	20.6
12 17	3 15.56	+10 15.8	2.031	2.881	11.8	20.9
12 27	3 11.66	+ 9 50.0	2.141	2.896	14.5	21.1

156678 2002 JO_{128} 11 18.8 152°.12 2°.6/17.0 18

10 18	3 59.57	+11 43.2	2.574	3.428	9.9	20.8
10 28	3 53.83	+11 8.2	2.510	3.434	7.1	20.6
11 7	3 46.70	+10 33.5	2.473	3.439	4.3	20.4
11 17	3 38.80	+10 1.7	2.465	3.445	2.6	20.3
11 27	3 30.88	+ 9 35.8	2.488	3.450	4.3	20.5
12 7	3 23.65	+ 9 18.1	2.540	3.454	7.1	20.6
12 17	3 17.74	+ 9 10.2	2.619	3.459	9.8	20.8
12 27	3 13.57	+ 9 12.9	2.721	3.463	12.1	21.0

323262 2003 SB_{323} 11 18.8 67°.38 2°.5/20.4 14 C

10 18	4 2.19	+27 55.7	2.111	2.946	12.5	20.8
10 28	3 56.06	+27 54.7	2.051	2.960	9.3	20.6
11 7	3 48.06	+27 42.1	2.016	2.975	5.8	20.5
11 17	3 39.02	+27 18.0	2.008	2.989	2.8	20.3
11 27	3 29.97	+26 44.9	2.029	3.003	3.6	20.4
12 7	3 21.95	+26 6.6	2.079	3.018	6.9	20.6
12 17	3 15.73	+25 27.9	2.157	3.032	10.1	20.8
12 27	3 11.84	+24 53.4	2.258	3.047	12.8	21.0

287082 2002 RS_{56} 11 18.8 62°.76 3°.6/16.9 18

10 18	4 3.46	+13 6.0	1.583	2.452	14.3	19.8
10 28	3 56.97	+12 4.3	1.549	2.480	10.2	19.6
11 7	3 48.50	+11 2.6	1.539	2.509	6.0	19.4
11 17	3 39.07	+10 6.1	1.556	2.537	3.6	19.3
11 27	3 29.91	+ 9 20.3	1.601	2.566	5.9	19.5
12 7	3 22.10	+ 8 49.2	1.674	2.594	9.7	19.8
12 17	3 16.41	+ 8 34.5	1.770	2.623	13.1	20.1
12 27	3 13.28	+ 8 36.1	1.888	2.651	15.9	20.4

273338 2006 TB_{80} 11 18.8 66°.46 3°.1/20.2 18

10 18	4 7.82	+27 45.0	1.284	2.139	17.8	20.2
10 28	4 0.87	+27 41.0	1.238	2.158	13.2	20.0
11 7	3 50.97	+27 19.7	1.214	2.178	8.1	19.8
11 17	3 39.47	+26 41.3	1.214	2.197	3.6	19.6
11 27	3 28.15	+25 50.0	1.241	2.217	4.9	19.7
12 7	3 18.66	+24 53.9	1.293	2.237	9.6	20.0
12 17	3 12.09	+24 0.9	1.370	2.257	14.0	20.3
12 27	3 8.99	+23 17.8	1.468	2.276	17.6	20.6

226701 2004 NP_3 11 18.8 156°.36 1°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.26	+23 43.0	1.913	2.756	13.3	21.5
10 28	3 59.15	+23 36.4	1.845	2.763	9.7	21.3
11 7	3 49.86	+23 20.2	1.803	2.769	5.6	21.0
11 17	3 39.32	+22 55.0	1.788	2.775	1.6	20.8
11 27	3 28.70	+22 23.4	1.803	2.780	3.6	20.9
12 7	3 19.18	+21 49.7	1.847	2.784	7.7	21.2
12 17	3 11.69	+21 18.6	1.918	2.788	11.4	21.4
12 27	3 6.82	+20 54.4	2.012	2.791	14.5	21.7

262562 2006 VN_{28} 11 18.8 268°.50 2°.0/20.3 18

10 18	4 1.88	+28 30.2	2.018	2.855	12.9	20.4
10 28	3 56.04	+27 49.7	1.935	2.846	9.7	20.1
11 7	3 48.16	+26 54.1	1.876	2.838	6.0	19.9
11 17	3 39.06	+25 44.7	1.845	2.829	2.5	19.7
11 27	3 29.85	+24 25.6	1.844	2.820	3.6	19.7
12 7	3 21.62	+23 3.0	1.872	2.812	7.4	19.9
12 17	3 15.26	+21 43.9	1.927	2.803	11.1	20.2
12 27	3 11.36	+20 34.1	2.006	2.794	14.3	20.4

103823 2000 DC_{24} 11 18.8 327°.54 0°.8/19.3 17

10 18	4 0.41	+22 58.6	2.171	3.020	11.7	19.8
10 28	3 54.83	+22 48.7	2.097	3.017	8.5	19.6
11 7	3 47.43	+22 30.8	2.047	3.015	4.9	19.4
11 17	3 38.95	+22 6.0	2.025	3.013	1.2	19.1
11 27	3 30.34	+21 36.8	2.033	3.011	3.2	19.3
12 7	3 22.56	+21 6.5	2.070	3.009	6.9	19.5
12 17	3 16.41	+20 39.1	2.134	3.007	10.3	19.7
12 27	3 12.45	+20 17.9	2.221	3.005	13.2	19.9

422071 2014 QV_{380} 11 18.8 295°.88 3°.2/16.6 18

10 18	3 58.66	+12 18.1	2.185	3.047	11.1	20.4
10 28	3 53.43	+11 20.9	2.117	3.045	8.0	20.2
11 7	3 46.60	+10 22.7	2.075	3.043	4.9	20.0
11 17	3 38.83	+ 9 27.5	2.062	3.041	3.2	19.9
11 27	3 30.99	+ 8 39.7	2.077	3.038	5.1	20.0
12 7	3 23.94	+ 8 3.1	2.122	3.036	8.3	20.2
12 17	3 18.37	+ 7 40.0	2.192	3.034	11.3	20.4
12 27	3 14.79	+ 7 31.3	2.284	3.032	13.9	20.6

456546 2007 BX_{24} 11 18.8 328°.16 8°.8/14.8 18

10 18	4 0.37	− 2 12.1	1.700	2.554	14.2	21.0
10 28	3 55.06	− 3 1.3	1.636	2.542	11.5	20.8
11 7	3 47.68	− 3 37.0	1.596	2.531	9.4	20.7
11 17	3 39.01	− 3 53.1	1.580	2.520	8.8	20.6
11 27	3 30.16	− 3 45.0	1.590	2.510	10.2	20.7
12 7	3 22.25	− 3 11.6	1.624	2.500	12.8	20.8
12 17	3 16.18	− 2 14.7	1.681	2.491	15.7	21.0
12 27	3 12.59	− 0 58.1	1.757	2.483	18.3	21.1

520860 2014 VZ_6 11 18.8 99°.09 0°.2/18.7 18

10 18	3 59.36	+21 31.1	2.353	3.203	10.9	21.1
10 28	3 53.84	+20 47.7	2.285	3.208	7.8	20.9
11 7	3 46.78	+19 56.9	2.244	3.214	4.3	20.7
11 17	3 38.86	+19 1.2	2.231	3.219	0.7	20.4
11 27	3 30.93	+18 4.3	2.248	3.224	3.1	20.6
12 7	3 23.82	+17 10.6	2.296	3.230	6.6	20.8
12 17	3 18.19	+16 23.7	2.370	3.235	9.7	21.1
12 27	3 14.52	+15 46.8	2.469	3.240	12.4	21.3

511812 2015 FH_{137} 11 18.8 127°.84 1°.6/18.0 18

10 18	4 5.91	+16 33.6	1.833	2.688	13.2	21.9
10 28	3 58.76	+16 5.5	1.777	2.703	9.4	21.7
11 7	3 49.58	+15 33.6	1.747	2.717	5.3	21.5
11 17	3 39.30	+15 0.7	1.744	2.731	1.6	21.3
11 27	3 29.06	+14 30.3	1.772	2.744	4.3	21.5
12 7	3 19.99	+14 6.5	1.828	2.757	8.4	21.8
12 17	3 12.92	+13 52.0	1.910	2.769	12.0	22.0
12 27	3 8.39	+13 48.7	2.014	2.780	15.0	22.3

9723 Binyang 11 18.8 75°.10 4°.1/20.6 18 A

10 18	4 8.83	+29 32.8	1.218	2.071	18.7	17.3
10 28	4 1.90	+29 35.6	1.168	2.084	14.1	17.0
11 7	3 51.70	+29 18.2	1.138	2.098	9.0	16.8
11 17	3 39.64	+28 39.6	1.131	2.112	4.6	16.6
11 27	3 27.66	+27 43.9	1.151	2.126	5.6	16.7
12 7	3 17.59	+26 39.7	1.196	2.140	10.1	17.0
12 17	3 10.69	+25 36.9	1.265	2.154	14.7	17.3
12 27	3 7.55	+24 43.6	1.354	2.168	18.6	17.6

218504 2004 TW_{98} 11 18.8 12°.82 0°.1/18.8 18

10 18	4 1.00	+19 44.5	1.852	2.712	12.9	20.4
10 28	3 55.44	+19 38.2	1.786	2.714	9.3	20.1
11 7	3 47.85	+19 26.2	1.745	2.716	5.2	19.9
11 17	3 39.05	+19 9.9	1.730	2.719	0.8	19.6
11 27	3 30.13	+18 51.7	1.745	2.722	3.6	19.8
12 7	3 22.19	+18 35.3	1.787	2.725	7.8	20.1
12 17	3 16.10	+18 23.8	1.855	2.729	11.5	20.3
12 27	3 12.46	+18 20.1	1.945	2.733	14.7	20.5

219018 4219 T-3 11 18.8 71°.10 2°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.80	+15 59.2	1.337	2.207	16.2	20.3
10 28	3 59.82	+15 33.6	1.296	2.228	11.6	20.1
11 7	3 50.29	+15 4.8	1.277	2.250	6.4	19.9
11 17	3 39.42	+14 36.0	1.284	2.271	2.1	19.7
11 27	3 28.75	+14 11.9	1.319	2.292	5.3	19.9
12 7	3 19.68	+13 56.7	1.380	2.314	10.1	20.3
12 17	3 13.20	+13 53.2	1.464	2.335	14.3	20.6
12 27	3 9.83	+14 2.6	1.569	2.356	17.7	20.9

47715 2000 DG_{25} 11 18.8 96°.34 3°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.89	+11 50.2	1.838	2.701	12.8	19.0
10 28	3 55.91	+11 5.8	1.781	2.710	9.2	18.8
11 7	3 48.03	+10 21.6	1.750	2.718	5.6	18.6
11 17	3 39.09	+ 9 41.8	1.746	2.726	3.4	18.5
11 27	3 30.14	+ 9 10.6	1.771	2.734	5.6	18.7
12 7	3 22.22	+ 8 51.4	1.823	2.742	9.1	18.9
12 17	3 16.13	+ 8 46.0	1.901	2.750	12.5	19.1
12 27	3 12.39	+ 8 54.9	1.999	2.757	15.3	19.4

105241 2000 PT_{24} 11 18.8 57°.52 2°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.79	+16 57.3	1.754	2.620	13.2	19.2
10 28	3 55.10	+15 38.6	1.705	2.636	9.4	19.0
11 7	3 47.54	+14 14.6	1.680	2.652	5.3	18.8
11 17	3 39.00	+12 51.0	1.683	2.668	2.4	18.6
11 27	3 30.59	+11 34.4	1.716	2.685	5.0	18.8
12 7	3 23.32	+10 30.3	1.776	2.701	8.9	19.1
12 17	3 17.95	+ 9 42.7	1.862	2.718	12.4	19.4
12 27	3 14.95	+ 9 13.1	1.969	2.735	15.3	19.6

434012 2001 FE_{120} 11 18.8 140°.39 1°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.97	+23 32.9	1.837	2.679	13.8	22.1
10 28	4 0.40	+23 30.0	1.775	2.692	10.0	21.9
11 7	3 50.59	+23 17.5	1.737	2.703	5.8	21.7
11 17	3 39.49	+22 55.7	1.728	2.714	1.7	21.5
11 27	3 28.37	+22 27.3	1.748	2.725	3.7	21.6
12 7	3 18.47	+21 56.6	1.797	2.734	7.9	21.9
12 17	3 10.72	+21 28.4	1.873	2.743	11.7	22.2
12 27	3 5.71	+21 6.9	1.972	2.751	14.8	22.4

308324 2005 NG_{4} 11 18.8 209°.98 3°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.44	+30 12.7	2.185	3.010	12.5	20.7
10 28	3 57.11	+30 4.7	2.105	3.006	9.5	20.5
11 7	3 48.77	+29 43.0	2.049	3.002	6.2	20.3
11 17	3 39.22	+29 7.5	2.020	2.998	3.4	20.1
11 27	3 29.53	+28 20.1	2.021	2.994	3.9	20.2
12 7	3 20.78	+27 25.4	2.052	2.989	7.1	20.4
12 17	3 13.84	+26 29.0	2.110	2.984	10.3	20.6
12 27	3 9.31	+25 36.6	2.192	2.978	13.3	20.7

399661 2004 RL_{198} 11 18.8 24°.00 2°.1/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.95	+27 8.7	1.460	2.321	15.7	20.1
10 28	3 55.01	+26 38.1	1.411	2.335	11.6	19.9
11 7	3 47.67	+25 51.9	1.383	2.350	6.9	19.7
11 17	3 39.03	+24 52.3	1.381	2.366	2.6	19.5
11 27	3 30.49	+23 44.9	1.406	2.384	4.1	19.6
12 7	3 23.35	+22 36.9	1.457	2.402	8.5	19.9
12 17	3 18.53	+21 35.5	1.533	2.421	12.6	20.2
12 27	3 16.54	+20 45.9	1.630	2.441	16.0	20.5

97983 2000 QH_{172} 11 18.8 298°.45 0°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.93	+20 31.3	1.281	2.154	16.6	18.6
10 28	3 58.31	+19 42.1	1.214	2.148	12.0	18.3
11 7	3 49.77	+18 40.8	1.168	2.142	6.7	18.0
11 17	3 39.40	+17 31.5	1.148	2.136	1.2	17.6
11 27	3 28.81	+16 21.4	1.153	2.130	5.2	17.9
12 7	3 19.64	+15 18.7	1.185	2.124	10.7	18.2
12 17	3 13.12	+14 30.5	1.239	2.119	15.7	18.5
12 27	3 9.97	+14 1.0	1.313	2.113	19.8	18.7

39345 2002 AU_{63} 11 18.8 98°.26 8°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.70	− 1 35.5	1.767	2.615	14.0	18.9
10 28	3 57.09	− 2 39.0	1.730	2.632	11.2	18.8
11 7	3 48.62	− 3 29.1	1.716	2.650	9.0	18.7
11 17	3 39.19	− 4 0.0	1.729	2.667	8.4	18.7
11 27	3 29.89	− 4 7.7	1.768	2.683	9.7	18.8
12 7	3 21.73	− 3 51.7	1.832	2.700	12.1	19.0
12 17	3 15.49	− 3 14.0	1.920	2.716	14.6	19.2
12 27	3 11.63	− 2 18.2	2.027	2.731	16.8	19.4

174288 2002 SL_{38} 11 18.8 120°.41 0°.4/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.75	+21 21.4	1.907	2.758	12.9	20.6
10 28	3 57.36	+21 13.6	1.842	2.765	9.4	20.4
11 7	3 48.91	+20 58.5	1.801	2.771	5.3	20.1
11 17	3 39.26	+20 37.3	1.789	2.777	1.0	19.8
11 27	3 29.53	+20 12.5	1.805	2.783	3.5	20.0
12 7	3 20.84	+19 47.9	1.851	2.788	7.6	20.3
12 17	3 14.06	+19 27.4	1.922	2.794	11.3	20.5
12 27	3 9.78	+19 14.4	2.017	2.799	14.4	20.8

219138 1998 WW_{14} 11 18.8 41°.57 2°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.40	+11 31.9	1.761	2.617	13.6	18.6
10 28	3 59.91	+12 12.9	1.712	2.637	9.8	18.4
11 7	3 50.29	+12 57.0	1.688	2.657	5.6	18.2
11 17	3 39.47	+13 43.8	1.692	2.678	2.1	18.0
11 27	3 28.68	+14 33.1	1.726	2.699	4.4	18.2
12 7	3 19.06	+15 24.7	1.789	2.720	8.4	18.5
12 17	3 11.53	+16 18.5	1.879	2.742	12.0	18.8
12 27	3 6.64	+17 15.1	1.992	2.764	14.9	19.0

446452 2014 JW_{63} 11 18.8 206°.57 0°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.70	+19 20.2	2.113	2.963	11.9	22.3
10 28	3 57.23	+19 7.3	2.036	2.959	8.6	22.1
11 7	3 48.84	+18 49.0	1.985	2.955	4.8	21.9
11 17	3 39.26	+18 26.5	1.961	2.949	0.8	21.5
11 27	3 29.52	+18 2.5	1.968	2.944	3.5	21.8
12 7	3 20.64	+17 40.4	2.004	2.938	7.4	22.0
12 17	3 13.45	+17 23.3	2.067	2.931	11.0	22.2
12 27	3 8.58	+17 14.2	2.154	2.925	14.0	22.4

366194 2012 HD_{57} 11 18.8 166°.74 4°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.16	+ 6 9.3	2.513	3.368	10.1	20.9
10 28	3 52.88	+ 5 2.2	2.452	3.370	7.6	20.7
11 7	3 46.25	+ 3 58.4	2.418	3.372	5.4	20.6
11 17	3 38.85	+ 3 2.3	2.412	3.373	4.7	20.6
11 27	3 31.42	+ 2 17.8	2.436	3.374	6.1	20.6
12 7	3 24.68	+ 1 47.7	2.488	3.376	8.5	20.8
12 17	3 19.21	+ 1 33.3	2.565	3.376	10.9	21.0
12 27	3 15.46	+ 1 34.2	2.665	3.377	13.0	21.1

27678 1981 EX_{3} 11 18.8 313°.44 0°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.69	+21 37.3	1.744	2.605	13.5	18.6
10 28	3 55.41	+20 53.1	1.668	2.596	9.8	18.3
11 7	3 47.95	+19 58.5	1.616	2.587	5.5	18.1
11 17	3 39.15	+18 56.5	1.591	2.579	0.8	17.7
11 27	3 30.18	+17 52.1	1.594	2.571	4.0	17.9
12 7	3 22.23	+16 51.5	1.625	2.563	8.5	18.2
12 17	3 16.23	+16 0.2	1.682	2.555	12.5	18.4
12 27	3 12.83	+15 22.4	1.760	2.548	16.0	18.6

227023 2004 XG_{180} 11 18.8 334°.76 4°.4/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.22	+33 40.5	1.988	2.810	13.7	19.9
10 28	3 55.78	+33 33.3	1.908	2.803	10.7	19.7
11 7	3 48.15	+33 8.7	1.851	2.797	7.5	19.5
11 17	3 39.19	+32 25.9	1.820	2.791	4.8	19.3
11 27	3 30.07	+31 27.3	1.817	2.785	4.9	19.3
12 7	3 21.98	+30 18.0	1.843	2.780	7.7	19.5
12 17	3 15.86	+29 4.9	1.895	2.775	11.0	19.7
12 27	3 12.34	+27 55.2	1.970	2.771	14.0	19.9

272212 2005 QP_{35} 11 18.8 40°.63 2°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.11	+15 47.1	1.146	2.029	17.4	20.1
10 28	3 58.25	+15 17.6	1.107	2.045	12.4	19.9
11 7	3 49.58	+14 44.8	1.089	2.063	7.0	19.7
11 17	3 39.39	+14 13.0	1.095	2.081	2.5	19.5
11 27	3 29.37	+13 47.6	1.126	2.100	5.8	19.7
12 7	3 21.05	+13 33.3	1.182	2.120	10.9	20.1
12 17	3 15.50	+13 32.7	1.260	2.140	15.4	20.4
12 27	3 13.25	+13 46.8	1.357	2.161	19.1	20.7

440766 2006 GK_{5} 11 18.8 235°.78 2°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.10	+13 13.5	1.816	2.678	13.0	21.8
10 28	3 57.00	+12 40.7	1.743	2.672	9.4	21.6
11 7	3 48.80	+12 6.6	1.696	2.665	5.5	21.3
11 17	3 39.29	+11 34.6	1.675	2.658	2.9	21.1
11 27	3 29.61	+11 8.8	1.684	2.651	5.2	21.3
12 7	3 20.87	+10 52.7	1.720	2.644	9.2	21.5
12 17	3 14.01	+10 48.9	1.782	2.637	12.9	21.7
12 27	3 9.65	+10 58.3	1.865	2.629	16.1	21.9

189218 2004 DC_{37} 11 18.8 156°.10 4°.8/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.28	+ 9 1.0	1.694	2.557	13.8	20.4
10 28	3 57.79	+ 8 6.7	1.636	2.562	10.1	20.2
11 7	3 49.18	+ 7 14.8	1.603	2.566	6.6	20.0
11 17	3 39.36	+ 6 30.8	1.596	2.570	4.8	19.9
11 27	3 29.49	+ 5 59.5	1.618	2.574	6.9	20.0
12 7	3 20.75	+ 5 44.5	1.667	2.577	10.4	20.2
12 17	3 14.01	+ 5 46.9	1.740	2.580	13.9	20.5
12 27	3 9.86	+ 6 6.3	1.834	2.582	16.9	20.7

288589 2004 JH_{16} 11 18.8 170°.68 1°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.20	+16 42.4	1.950	2.803	12.6	21.9
10 28	3 58.32	+16 11.8	1.882	2.807	9.1	21.7
11 7	3 49.44	+15 37.0	1.840	2.811	5.1	21.5
11 17	3 39.40	+15 0.7	1.827	2.813	1.6	21.3
11 27	3 29.29	+14 26.5	1.843	2.816	4.2	21.5
12 7	3 20.18	+13 58.4	1.889	2.817	8.2	21.7
12 17	3 12.94	+13 39.5	1.961	2.818	11.8	21.9
12 27	3 8.14	+13 32.0	2.055	2.818	14.8	22.1

229647 2006 FF_{53} 11 18.8 199°.12 0°.4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.43	+19 20.8	2.655	3.503	9.8	21.6
10 28	3 53.85	+18 57.0	2.578	3.501	7.1	21.4
11 7	3 46.84	+18 28.3	2.528	3.498	3.9	21.2
11 17	3 38.99	+17 56.6	2.508	3.496	0.7	20.9
11 27	3 31.05	+17 24.3	2.518	3.493	2.9	21.1
12 7	3 23.77	+16 54.3	2.558	3.490	6.1	21.3
12 17	3 17.79	+16 29.4	2.626	3.487	9.0	21.5
12 27	3 13.57	+16 11.9	2.718	3.483	11.5	21.7

359521 2010 RV_{65} 11 18.9 76°.38 4°.0/21.2 17

10 18	4 4.59	+31 42.1	1.900	2.726	14.1	21.2
10 28	3 58.09	+31 46.3	1.839	2.739	10.8	21.0
11 7	3 49.36	+31 34.7	1.802	2.752	7.3	20.8
11 17	3 39.39	+31 6.6	1.791	2.765	4.4	20.7
11 27	3 29.41	+30 24.2	1.808	2.778	4.7	20.7
12 7	3 20.64	+29 32.6	1.854	2.791	7.7	20.9
12 17	3 13.99	+28 38.2	1.926	2.804	11.0	21.1
12 27	3 10.04	+27 47.2	2.022	2.817	13.9	21.4

291679 2006 HF_{89} 11 18.9 138°.93 1°.7/17.9 17

10 18	4 1.62	+13 22.9	2.550	3.400	10.1	20.4
10 28	3 55.41	+13 24.9	2.482	3.405	7.3	20.3
11 7	3 47.71	+13 27.0	2.440	3.409	4.2	20.1
11 17	3 39.13	+13 30.5	2.428	3.413	1.7	19.9
11 27	3 30.47	+13 36.8	2.447	3.417	3.6	20.1
12 7	3 22.51	+13 47.4	2.496	3.421	6.6	20.3
12 17	3 15.91	+14 3.5	2.573	3.425	9.5	20.5
12 27	3 11.15	+14 25.8	2.673	3.429	11.9	20.6

213475 2002 EN_{120} 11 18.9 93°.33 3°.0/17.6 15

10 18	4 6.33	+14 52.9	1.360	2.231	16.0	20.7
10 28	3 59.57	+14 6.4	1.313	2.245	11.5	20.5
11 7	3 50.25	+13 16.9	1.288	2.259	6.5	20.2
11 17	3 39.53	+12 29.4	1.289	2.273	3.0	20.0
11 27	3 28.92	+11 49.6	1.317	2.287	5.9	20.3
12 7	3 19.82	+11 22.4	1.371	2.300	10.6	20.6
12 17	3 13.25	+11 10.9	1.449	2.314	14.7	20.9
12 27	3 9.75	+11 15.8	1.547	2.327	18.2	21.1

22643 1998 OB_3 11 18.9 352°.64 1°.4/18.0 18

10 18	3 59.79	+17 17.2	1.925	2.788	12.3	18.9
10 28	3 54.52	+16 42.1	1.857	2.786	8.8	18.7
11 7	3 47.37	+16 2.4	1.813	2.785	4.9	18.4
11 17	3 39.10	+15 20.9	1.797	2.784	1.5	18.2
11 27	3 30.72	+14 41.6	1.809	2.783	4.1	18.4
12 7	3 23.26	+14 8.8	1.850	2.782	8.1	18.6
12 17	3 17.51	+13 45.7	1.916	2.782	11.6	18.8
12 27	3 14.06	+13 34.4	2.005	2.782	14.7	19.1

11849 Fauvel 11 18.9 34°.09 0°.6/18.5 18

10 18	4 1.37	+21 42.9	1.311	2.185	16.2	16.8
10 28	3 56.11	+20 42.4	1.265	2.200	11.6	16.5
11 7	3 48.34	+19 30.5	1.241	2.215	6.4	16.3
11 17	3 39.24	+18 12.2	1.243	2.231	1.0	16.0
11 27	3 30.27	+16 55.1	1.271	2.248	4.7	16.3
12 7	3 22.82	+15 47.3	1.324	2.265	9.7	16.6
12 17	3 17.83	+14 54.6	1.402	2.283	14.1	16.9
12 27	3 15.81	+14 20.1	1.500	2.302	17.6	17.2

129803 1999 KF_9 11 18.9 137°.03 2°.9/17.7 18

10 18	4 7.24	+13 33.9	1.536	2.399	14.9	20.6
10 28	4 0.12	+13 7.7	1.480	2.408	10.7	20.3
11 7	3 50.56	+12 40.6	1.447	2.417	6.2	20.1
11 17	3 39.60	+12 15.8	1.440	2.425	2.9	19.9
11 27	3 28.62	+11 57.5	1.462	2.432	5.6	20.1
12 7	3 18.94	+11 49.1	1.512	2.439	9.9	20.4
12 17	3 11.59	+11 52.9	1.586	2.445	14.0	20.6
12 27	3 7.17	+12 9.7	1.680	2.451	17.3	20.9

316799 1999 US_{15} 11 18.9 344°.62 2°.2/19.2 18

10 18	4 5.41	+19 59.8	1.195	2.071	17.4	18.9
10 28	4 0.01	+21 16.2	1.123	2.057	12.9	18.6
11 7	3 51.13	+22 31.5	1.073	2.044	7.6	18.3
11 17	3 39.78	+23 41.5	1.046	2.032	2.6	17.9
11 27	3 27.67	+24 42.7	1.045	2.023	5.2	18.1
12 7	3 16.79	+25 34.7	1.069	2.014	10.8	18.3
12 17	3 8.81	+26 19.7	1.116	2.008	16.0	18.6
12 27	3 4.80	+27 2.1	1.181	2.003	20.3	18.9

393739 2005 CD_{26} 11 18.9 307°.66 4°.1/17.0 18

10 18	4 2.19	+10 44.7	1.608	2.477	14.0	20.4
10 28	3 56.58	+10 9.8	1.538	2.469	10.3	20.2
11 7	3 48.68	+ 9 36.2	1.493	2.460	6.4	19.9
11 17	3 39.34	+ 9 8.1	1.473	2.452	4.1	19.8
11 27	3 29.78	+ 8 50.2	1.481	2.445	6.4	19.9
12 7	3 21.25	+ 8 45.7	1.515	2.437	10.4	20.1
12 17	3 14.74	+ 8 56.5	1.573	2.430	14.2	20.3
12 27	3 10.93	+ 9 22.6	1.652	2.423	17.6	20.5

114594 2003 CF_4 11 18.9 300°.34 7°.7/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.33	+41 33.4	1.858	2.645	15.8	19.3
10 28	3 59.25	+41 48.3	1.770	2.631	13.2	19.1
11 7	3 50.34	+41 39.3	1.703	2.617	10.4	18.9
11 17	3 39.62	+41 2.6	1.660	2.603	8.2	18.8
11 27	3 28.58	+39 58.2	1.644	2.589	7.8	18.7
12 7	3 18.80	+38 31.5	1.654	2.575	9.7	18.8
12 17	3 11.50	+36 51.6	1.689	2.562	12.5	18.9
12 27	3 7.45	+35 9.1	1.748	2.549	15.5	19.1

29018 6062 P–L 11 18.9 346°.31 1°.9/19.6 18

10 18	4 2.17	+24 13.2	1.216	2.089	17.3	17.9
10 28	3 57.36	+24 13.8	1.150	2.082	12.8	17.7
11 7	3 49.43	+24 1.0	1.105	2.075	7.6	17.3
11 17	3 39.48	+23 35.0	1.083	2.069	2.5	17.0
11 27	3 29.21	+22 59.2	1.086	2.065	4.8	17.2
12 7	3 20.36	+22 20.2	1.114	2.061	10.3	17.5
12 17	3 14.29	+21 45.2	1.164	2.058	15.3	17.7
12 27	3 11.80	+21 20.3	1.234	2.057	19.5	18.0

67162 2000 AR_{217} 11 18.9 73°.75 4°.2/17.4 18

10 18	4 6.18	+10 43.1	1.374	2.245	15.9	19.1
10 28	3 59.44	+10 15.7	1.328	2.259	11.5	18.9
11 7	3 50.20	+ 9 51.2	1.305	2.274	7.0	18.7
11 17	3 39.58	+ 9 33.6	1.308	2.288	4.2	18.6
11 27	3 29.04	+ 9 27.0	1.337	2.303	6.6	18.7
12 7	3 19.96	+ 9 34.0	1.393	2.318	10.8	19.0
12 17	3 13.34	+ 9 55.2	1.472	2.333	14.8	19.3
12 27	3 9.74	+10 30.0	1.571	2.347	18.1	19.6

483156 2015 PX_4 11 18.9 80°.18 6°.8/15.1 18

10 18	4 1.37	+ 4 14.1	1.700	2.563	13.7	21.0
10 28	3 55.71	+ 2 59.7	1.646	2.566	10.5	20.8
11 7	3 48.05	+ 1 52.2	1.616	2.568	7.7	20.6
11 17	3 39.25	+ 0 58.2	1.613	2.571	6.9	20.6
11 27	3 30.41	+ 0 23.3	1.637	2.574	8.6	20.7
12 7	3 22.62	+ 0 10.6	1.686	2.576	11.6	20.9
12 17	3 16.71	+ 0 20.0	1.758	2.579	14.7	21.1
12 27	3 13.24	+ 0 49.7	1.850	2.582	17.3	21.3

180896 2005 JP_{160} 11 18.9 126°.03 3°.4/17.2 18

10 18	4 5.42	+13 15.7	1.569	2.435	14.5	20.5
10 28	3 58.73	+12 26.6	1.515	2.445	10.5	20.3
11 7	3 49.77	+11 36.1	1.485	2.454	6.2	20.1
11 17	3 39.52	+10 49.0	1.481	2.463	3.4	19.9
11 27	3 29.30	+10 10.4	1.505	2.472	5.9	20.1
12 7	3 20.35	+ 9 44.8	1.557	2.480	10.1	20.4
12 17	3 13.60	+ 9 34.6	1.633	2.488	13.9	20.6
12 27	3 9.64	+ 9 40.4	1.730	2.496	17.1	20.9

483398 1996 JU_8 11 18.9 206°.75 2°.0/17.5 18

10 18	4 0.25	+12 36.8	2.878	3.726	9.2	22.6
10 28	3 54.36	+12 19.1	2.799	3.721	6.6	22.4
11 7	3 47.14	+12 1.3	2.747	3.715	3.9	22.2
11 17	3 39.12	+11 45.2	2.726	3.708	2.0	22.1
11 27	3 30.98	+11 32.9	2.735	3.701	3.6	22.2
12 7	3 23.42	+11 26.3	2.775	3.694	6.4	22.3
12 17	3 17.02	+11 26.7	2.842	3.686	9.0	22.5
12 27	3 12.24	+11 35.2	2.934	3.677	11.3	22.7

452830 2006 RR_{58} 11 18.9 85°.66 4°.1/16.5 18

10 18	4 2.28	+10 17.4	1.880	2.742	12.6	21.7
10 28	3 56.07	+ 9 18.2	1.836	2.762	9.2	21.5
11 7	3 48.12	+ 8 20.9	1.817	2.782	5.8	21.4
11 17	3 39.26	+ 7 30.3	1.826	2.801	4.1	21.3
11 27	3 30.52	+ 6 51.0	1.864	2.821	6.0	21.5
12 7	3 22.85	+ 6 26.0	1.929	2.840	9.2	21.7
12 17	3 16.97	+ 6 16.9	2.020	2.859	12.3	21.9
12 27	3 13.35	+ 6 23.2	2.132	2.877	14.9	22.2

8505 1990 YK 11 18.9 297°.94 1°.8/18.1 18

10 18	4 3.62	+17 35.0	1.306	2.182	16.2	17.3
10 28	3 58.29	+17 1.6	1.228	2.163	11.8	17.0
11 7	3 49.97	+16 20.7	1.172	2.145	6.7	16.7
11 17	3 39.62	+15 35.4	1.140	2.127	1.9	16.4
11 27	3 28.79	+14 51.7	1.134	2.109	5.6	16.5
12 7	3 19.14	+14 16.1	1.154	2.092	11.1	16.8
12 17	3 12.02	+13 53.9	1.196	2.074	16.2	17.0
12 27	3 8.33	+13 48.7	1.257	2.057	20.5	17.3

160036 1998 XH_7 11 18.9 311°.41 1°.6/18.3 18 R

10 18	4 3.47	+16 47.6	1.362	2.236	15.8	20.0
10 28	3 58.04	+16 33.4	1.287	2.222	11.4	19.7
11 7	3 49.76	+16 14.6	1.235	2.208	6.5	19.4
11 17	3 39.58	+15 53.7	1.207	2.195	1.7	19.0
11 27	3 28.99	+15 34.6	1.206	2.182	5.2	19.2
12 7	3 19.56	+15 22.0	1.230	2.169	10.5	19.5
12 17	3 12.56	+15 19.8	1.278	2.157	15.3	19.7
12 27	3 8.85	+15 30.6	1.345	2.145	19.4	20.0

480766 2016 NF_{55} 11 18.9 92°.50 2°.9/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.63	+13 25.3	1.548	2.410	14.9	21.6
10 28	4 0.18	+12 55.4	1.506	2.434	10.6	21.4
11 7	3 50.49	+12 25.1	1.488	2.458	6.1	21.2
11 17	3 39.64	+11 57.8	1.497	2.481	2.9	21.1
11 27	3 28.99	+11 37.7	1.535	2.504	5.5	21.3
12 7	3 19.78	+11 27.9	1.600	2.526	9.6	21.6
12 17	3 12.87	+11 30.3	1.690	2.547	13.4	21.8
12 27	3 8.78	+11 45.3	1.801	2.568	16.4	22.1

26540 2000 DF_{13} 11 18.9 67°.10 4°.9/16.4 18

10 18	4 2.45	+ 8 56.0	1.674	2.540	13.7	17.9
10 28	3 56.35	+ 7 57.0	1.634	2.561	10.0	17.8
11 7	3 48.32	+ 7 1.7	1.618	2.581	6.5	17.6
11 17	3 39.31	+ 6 15.5	1.628	2.602	4.9	17.5
11 27	3 30.43	+ 5 43.0	1.667	2.622	6.8	17.7
12 7	3 22.75	+ 5 27.3	1.733	2.643	10.1	18.0
12 17	3 17.03	+ 5 29.0	1.822	2.663	13.3	18.2
12 27	3 13.75	+ 5 47.1	1.932	2.683	16.0	18.4

311679 2006 SD_{70} 11 18.9 29°.87 0°.8/18.5 18

10 18	4 2.00	+18 42.4	1.695	2.559	13.7	21.2
10 28	3 56.32	+18 21.9	1.633	2.563	9.8	20.9
11 7	3 48.47	+17 55.6	1.595	2.567	5.5	20.7
11 17	3 39.36	+17 25.8	1.583	2.572	1.1	20.4
11 27	3 30.16	+16 56.2	1.600	2.576	4.1	20.6
12 7	3 22.05	+16 31.1	1.645	2.582	8.5	20.9
12 17	3 15.96	+16 14.0	1.714	2.587	12.4	21.2
12 27	3 12.48	+16 7.5	1.805	2.593	15.6	21.4

222018 1998 SU_{41} 11 18.9 349°.40 4°.6/20.5 18

10 18	4 5.65	+28 30.4	1.263	2.120	17.8	20.2
10 28	4 0.00	+29 9.0	1.197	2.116	13.6	19.9
11 7	3 51.01	+29 31.9	1.152	2.112	9.0	19.6
11 17	3 39.81	+29 35.9	1.130	2.109	5.1	19.4
11 27	3 28.19	+29 21.0	1.133	2.107	6.0	19.5
12 7	3 18.07	+28 52.5	1.162	2.105	10.4	19.7
12 17	3 10.91	+28 18.4	1.213	2.104	15.0	20.0
12 27	3 7.57	+27 46.9	1.283	2.104	19.0	20.2

58871 1998 HX_{114} 11 18.9 155°.10 6°.1/15.3 18 R

10 18	4 2.57	+ 3 19.8	2.070	2.921	12.1	19.7
10 28	3 56.26	+ 2 18.5	2.016	2.928	9.3	19.6
11 7	3 48.27	+ 1 24.1	1.987	2.934	6.9	19.4
11 17	3 39.32	+ 0 41.4	1.985	2.940	6.1	19.4
11 27	3 30.38	+ 0 14.9	2.013	2.945	7.6	19.5
12 7	3 22.33	+ 0 6.7	2.067	2.950	10.2	19.7
12 17	3 15.91	+ 0 16.9	2.146	2.954	12.8	19.9
12 27	3 11.62	+ 0 43.9	2.246	2.958	15.1	20.0

75498 1999 XA_{184} 11 18.9 295°.24 6°.6/22.5 18

10 18	4 5.45	+37 18.6	1.743	2.553	15.8	19.0
10 28	3 59.39	+37 38.1	1.659	2.541	12.8	18.8
11 7	3 50.48	+37 36.4	1.597	2.529	9.6	18.6
11 17	3 39.72	+37 10.1	1.559	2.517	7.1	18.4
11 27	3 28.60	+36 19.3	1.548	2.505	7.0	18.4
12 7	3 18.69	+35 9.6	1.563	2.493	9.4	18.5
12 17	3 11.25	+33 49.4	1.604	2.482	12.8	18.7
12 27	3 7.07	+32 28.6	1.667	2.471	16.0	18.8

129470 1993 KC 11 18.9 123°.97 1°.9/17.6 18

10 18	4 9.68	+19 23.5	1.873	2.718	13.4	20.3
10 28	4 1.26	+17 44.6	1.821	2.743	9.5	20.1
11 7	3 50.94	+15 57.2	1.797	2.767	5.3	19.9
11 17	3 39.73	+14 7.5	1.803	2.789	1.9	19.7
11 27	3 28.82	+12 23.1	1.842	2.811	4.7	20.0
12 7	3 19.28	+10 51.4	1.911	2.831	8.7	20.3
12 17	3 11.86	+ 9 37.3	2.007	2.850	12.2	20.5
12 27	3 7.00	+ 8 43.0	2.127	2.868	15.0	20.8

119246 2001 QH_{295} 11 18.9 67°.38 0°.7/18.6 18

10 18	4 6.43	+19 25.3	1.388	2.254	16.0	19.7
10 28	3 59.60	+19 0.0	1.346	2.277	11.4	19.5
11 7	3 50.27	+18 27.5	1.327	2.299	6.3	19.3
11 17	3 39.64	+17 50.7	1.334	2.322	1.1	19.0
11 27	3 29.21	+17 14.4	1.368	2.345	4.5	19.3
12 7	3 20.35	+16 43.7	1.429	2.367	9.4	19.7
12 17	3 14.02	+16 22.9	1.514	2.390	13.6	20.0
12 27	3 10.74	+16 14.5	1.620	2.412	17.0	20.3

173760 2001 RG_{113} 11 18.9 61°.19 0°.8/18.5 18

10 18	4 2.54	+18 32.9	1.793	2.654	13.2	20.4
10 28	3 56.59	+18 14.2	1.733	2.661	9.5	20.1
11 7	3 48.58	+17 50.2	1.697	2.669	5.3	19.9
11 17	3 39.40	+17 23.1	1.688	2.676	1.0	19.6
11 27	3 30.16	+16 56.3	1.708	2.684	3.9	19.9
12 7	3 21.99	+16 33.5	1.756	2.692	8.1	20.1
12 17	3 15.75	+16 18.1	1.830	2.700	11.9	20.4
12 27	3 12.02	+16 12.6	1.926	2.708	15.0	20.6

517314 2014 HF_{203} 11 18.9 231°.38 4°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.32	+ 9 53.1	1.943	2.805	12.3	21.7
10 28	3 55.60	+ 8 40.2	1.873	2.798	9.1	21.5
11 7	3 48.02	+ 7 27.3	1.828	2.791	5.9	21.3
11 17	3 39.31	+ 6 19.8	1.812	2.784	4.5	21.2
11 27	3 30.49	+ 5 23.6	1.824	2.777	6.5	21.3
12 7	3 22.54	+ 4 43.1	1.864	2.769	9.8	21.5
12 17	3 16.28	+ 4 20.7	1.929	2.761	13.1	21.7
12 27	3 12.28	+ 4 16.7	2.015	2.753	15.9	21.9

115138 2003 SE_{58} 11 18.9 16°.38 2°.6/20.7 18

10 18	4 0.40	+29 42.1	1.813	2.654	14.0	18.8
10 28	3 55.17	+29 3.7	1.746	2.658	10.5	18.6
11 7	3 47.81	+28 8.9	1.702	2.663	6.6	18.4
11 17	3 39.27	+26 59.1	1.685	2.668	3.1	18.2
11 27	3 30.73	+25 39.1	1.697	2.673	3.8	18.2
12 7	3 23.33	+24 15.8	1.737	2.679	7.6	18.5
12 17	3 17.93	+22 56.3	1.803	2.686	11.3	18.7
12 27	3 15.08	+21 46.9	1.892	2.693	14.5	19.0

78060 2002 KS_3 11 18.9 116°.65 4°.0/15.7 18

10 18	4 4.34	+11 59.2	2.184	3.036	11.5	18.9
10 28	3 57.30	+10 8.4	2.135	3.057	8.3	18.8
11 7	3 48.73	+ 8 16.7	2.115	3.077	5.3	18.6
11 17	3 39.41	+ 6 30.3	2.125	3.097	4.0	18.6
11 27	3 30.26	+ 4 56.0	2.167	3.116	5.9	18.7
12 7	3 22.13	+ 3 38.7	2.239	3.135	8.9	18.9
12 17	3 15.65	+ 2 41.1	2.338	3.153	11.7	19.2
12 27	3 11.26	+ 2 3.5	2.459	3.170	14.0	19.4

1495 Helsinki 11 18.9 124°.75 4°.7/21.3 18 R

10 18	4 8.58	+32 41.2	2.063	2.874	13.6	16.1
10 28	4 1.00	+33 16.9	1.998	2.887	10.6	15.9
11 7	3 51.11	+33 38.0	1.957	2.898	7.4	15.7
11 17	3 39.82	+33 41.9	1.943	2.910	5.0	15.6
11 27	3 28.40	+33 29.0	1.959	2.921	5.2	15.6
12 7	3 18.11	+33 2.8	2.003	2.931	7.8	15.8
12 17	3 9.95	+32 28.8	2.074	2.942	10.8	16.0
12 27	3 4.54	+31 53.5	2.168	2.951	13.5	16.2

50210 2000 AL_{228} 11 18.9 149°.27 0°.7/19.3 18

10 18	4 3.52	+22 37.1	1.961	2.809	12.8	19.5
10 28	3 57.25	+22 22.0	1.892	2.813	9.3	19.2
11 7	3 48.95	+21 58.4	1.848	2.816	5.3	19.0
11 17	3 39.47	+21 27.4	1.832	2.820	1.2	18.7
11 27	3 29.90	+20 52.0	1.845	2.823	3.4	18.9
12 7	3 21.33	+20 16.4	1.887	2.825	7.5	19.2
12 17	3 14.62	+19 45.0	1.956	2.828	11.1	19.4
12 27	3 10.36	+19 21.5	2.048	2.830	14.2	19.6

154895 2004 RO_{223} 11 18.9 47°.51 1°.6/18.0 18

10 18	4 0.64	+16 15.7	1.987	2.848	12.1	19.9
10 28	3 55.07	+15 48.7	1.926	2.854	8.6	19.7
11 7	3 47.69	+15 18.5	1.889	2.860	4.8	19.5
11 17	3 39.28	+14 47.8	1.880	2.866	1.6	19.3
11 27	3 30.81	+14 20.0	1.900	2.873	4.1	19.5
12 7	3 23.27	+13 58.4	1.948	2.879	7.8	19.7
12 17	3 17.42	+13 45.7	2.023	2.886	11.2	19.9
12 27	3 13.79	+13 43.6	2.119	2.892	14.1	20.1

302618 2002 QT_{135} 11 18.9 48°.00 3°.9/17.1 18

10 18	4 2.57	+10 34.5	1.659	2.527	13.8	20.7
10 28	3 56.68	+10 2.9	1.603	2.532	10.0	20.5
11 7	3 48.67	+ 9 33.4	1.571	2.538	6.2	20.3
11 17	3 39.44	+ 9 9.9	1.565	2.544	3.9	20.2
11 27	3 30.16	+ 8 56.2	1.587	2.551	6.0	20.3
12 7	3 21.98	+ 8 55.3	1.636	2.557	9.8	20.5
12 17	3 15.79	+ 9 8.1	1.710	2.564	13.4	20.8
12 27	3 12.17	+ 9 34.5	1.804	2.571	16.4	21.0

129397 1508 $T\text{-}_2$ 11 18.9 124°.73 4°.6/21.1 18

10 18	4 9.97	+31 35.2	1.707	2.531	15.5	20.3
10 28	4 2.28	+31 59.0	1.646	2.544	11.9	20.1
11 7	3 51.91	+32 6.2	1.607	2.556	8.1	19.9
11 17	3 39.97	+31 54.2	1.595	2.568	5.0	19.8
11 27	3 27.94	+31 24.5	1.611	2.579	5.4	19.8
12 7	3 17.33	+30 42.2	1.655	2.589	8.6	20.0
12 17	3 9.24	+29 54.5	1.725	2.599	12.2	20.3
12 27	3 4.32	+29 8.8	1.817	2.609	15.4	20.5

410849 2009 RA_{30} 11 18.9 355°.83 5°.5/21.6 17

10 18	4 3.55	+33 45.9	1.822	2.645	14.7	20.4
10 28	3 57.79	+34 22.8	1.750	2.643	11.6	20.2
11 7	3 49.50	+34 43.5	1.699	2.641	8.4	20.0
11 17	3 39.60	+34 45.2	1.674	2.639	5.9	19.9
11 27	3 29.41	+34 27.7	1.677	2.638	6.0	19.9
12 7	3 20.31	+33 55.0	1.706	2.638	8.6	20.1
12 17	3 13.42	+33 13.2	1.760	2.638	11.8	20.3
12 27	3 9.47	+32 29.7	1.837	2.639	14.9	20.5

113352 2002 RX_{235} 11 18.9 353°.62 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.00	+21 39.1	1.551	2.414	14.8	19.9
10 28	3 57.39	+21 42.5	1.483	2.411	10.8	19.6
11 7	3 49.26	+21 37.7	1.439	2.409	6.2	19.4
11 17	3 39.56	+21 25.3	1.420	2.407	1.4	19.1
11 27	3 29.63	+21 7.8	1.428	2.406	4.0	19.2
12 7	3 20.85	+20 49.4	1.463	2.406	8.8	19.5
12 17	3 14.32	+20 34.5	1.523	2.405	13.1	19.8
12 27	3 10.74	+20 27.2	1.604	2.406	16.7	20.0

316981 2001 GW_{11} 11 18.9 146°.75 1°.9/17.8 18

10 18	4 1.87	+12 20.9	2.828	3.674	9.4	20.6
10 28	3 55.48	+12 19.4	2.762	3.682	6.7	20.4
11 7	3 47.77	+12 18.4	2.723	3.690	3.9	20.3
11 17	3 39.30	+12 19.3	2.714	3.698	1.9	20.1
11 27	3 30.77	+12 23.6	2.737	3.705	3.5	20.3
12 7	3 22.89	+12 32.5	2.791	3.712	6.2	20.5
12 17	3 16.25	+12 47.0	2.873	3.718	8.8	20.6
12 27	3 11.28	+13 7.8	2.979	3.724	11.1	20.8

480942 2003 SO_{122} 11 18.9 74°.36 6°.8/23.2 18

10 18	4 10.53	+38 54.5	1.685	2.483	16.8	20.5
10 28	4 2.60	+39 7.7	1.638	2.511	13.4	20.3
11 7	3 51.97	+38 56.8	1.614	2.539	10.0	20.2
11 17	3 39.96	+38 19.7	1.614	2.567	7.4	20.1
11 27	3 28.21	+37 18.9	1.641	2.595	7.0	20.2
12 7	3 18.21	+36 1.9	1.695	2.622	9.1	20.4
12 17	3 10.98	+34 38.2	1.776	2.649	12.0	20.6
12 27	3 7.02	+33 16.9	1.879	2.675	14.8	20.8

451823 2013 HL_{117} 11 18.9 50°.71 1°.0/18.3 15

10 18	4 1.42	+18 8.5	1.851	2.712	12.8	21.7
10 28	3 55.73	+17 42.3	1.792	2.720	9.2	21.5
11 7	3 48.10	+17 11.2	1.757	2.729	5.1	21.2
11 17	3 39.36	+16 37.6	1.750	2.738	1.2	21.0
11 27	3 30.60	+16 5.3	1.772	2.747	3.9	21.2
12 7	3 22.87	+15 38.1	1.822	2.756	8.0	21.5
12 17	3 16.97	+15 19.3	1.897	2.766	11.6	21.7
12 27	3 13.46	+15 11.1	1.995	2.776	14.6	21.9

322932 2002 EB_{124} 11 18.9 304°.28 3°.8/16.5 18

10 18	3 59.48	+10 59.8	2.004	2.868	11.9	20.5
10 28	3 54.26	+10 1.8	1.935	2.863	8.7	20.3
11 7	3 47.27	+ 9 3.6	1.892	2.858	5.4	20.1
11 17	3 39.24	+ 8 9.8	1.876	2.853	3.8	20.0
11 27	3 31.09	+ 7 25.2	1.889	2.848	5.8	20.1
12 7	3 23.78	+ 6 53.8	1.930	2.843	9.1	20.3
12 17	3 18.06	+ 6 37.6	1.996	2.838	12.3	20.5
12 27	3 14.50	+ 6 37.4	2.083	2.834	15.0	20.7

114210 2002 VX_{107} 11 18.9 84°.95 1°.7/19.9 18

10 18	4 4.08	+25 50.8	1.866	2.710	13.5	19.5
10 28	3 57.64	+25 32.7	1.809	2.725	9.9	19.3
11 7	3 49.15	+25 2.8	1.776	2.741	5.9	19.1
11 17	3 39.53	+24 22.4	1.770	2.756	2.1	18.9
11 27	3 29.96	+23 35.0	1.794	2.771	3.5	19.0
12 7	3 21.57	+22 45.7	1.846	2.786	7.5	19.3
12 17	3 15.19	+21 59.9	1.925	2.801	11.1	19.5
12 27	3 11.36	+21 22.0	2.027	2.816	14.1	19.8

81354 2000 GR_{52} 11 18.9 32°.34 1°.8/19.7 18

10 18	4 4.30	+24 1.9	1.675	2.527	14.4	19.1
10 28	3 58.17	+24 16.7	1.611	2.532	10.6	18.9
11 7	3 49.63	+24 21.9	1.571	2.537	6.3	18.7
11 17	3 39.63	+24 17.2	1.556	2.542	2.2	18.4
11 27	3 29.48	+24 4.2	1.571	2.548	3.9	18.6
12 7	3 20.49	+23 46.8	1.612	2.553	8.2	18.8
12 17	3 13.69	+23 29.6	1.679	2.560	12.2	19.1
12 27	3 9.73	+23 17.1	1.768	2.566	15.5	19.3

516394 2000 BT_{9} 11 18.9 233°.26 5°.7/15.7 18

10 18	4 1.91	+ 4 21.5	2.050	2.904	12.1	21.8
10 28	3 55.98	+ 3 32.8	1.980	2.896	9.2	21.6
11 7	3 48.24	+ 2 49.8	1.936	2.888	6.7	21.4
11 17	3 39.41	+ 2 17.3	1.918	2.879	5.7	21.4
11 27	3 30.43	+ 1 59.4	1.930	2.870	7.3	21.4
12 7	3 22.25	+ 1 58.4	1.968	2.861	10.1	21.6
12 17	3 15.66	+ 2 14.7	2.032	2.852	13.0	21.8
12 27	3 11.25	+ 2 47.4	2.116	2.842	15.6	21.9

225872 2001 XG_{260} 11 18.9 323°.85 1°.7/18.2 18

10 18	4 2.36	+16 49.6	1.326	2.203	15.9	20.3
10 28	3 57.30	+16 30.3	1.254	2.190	11.5	20.0
11 7	3 49.40	+16 6.1	1.203	2.177	6.5	19.7
11 17	3 39.63	+15 39.7	1.177	2.164	1.8	19.4
11 27	3 29.46	+15 15.7	1.177	2.152	5.3	19.6
12 7	3 20.48	+14 59.0	1.202	2.141	10.6	19.8
12 17	3 13.94	+14 53.8	1.250	2.131	15.4	20.1
12 27	3 10.69	+15 2.5	1.317	2.121	19.5	20.3

299184 2005 GY_{105} 11 18.9 44°.46 0°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.65	+21 5.9	1.729	2.585	13.9	20.6
10 28	3 58.33	+21 16.2	1.664	2.588	10.1	20.4
11 7	3 49.70	+21 19.8	1.622	2.591	5.8	20.2
11 17	3 39.66	+21 16.9	1.607	2.595	1.2	19.9
11 27	3 29.45	+21 9.3	1.620	2.598	3.7	20.1
12 7	3 20.33	+21 0.3	1.662	2.602	8.2	20.3
12 17	3 13.30	+20 53.5	1.729	2.605	12.1	20.6
12 27	3 9.02	+20 52.5	1.819	2.609	15.4	20.8

199007 2005 WH_{70} 11 18.9 195°.04 0°.1/18.9 18

10 18	4 5.26	+21 10.3	1.872	2.722	13.2	21.4
10 28	3 58.63	+20 50.7	1.798	2.721	9.6	21.2
11 7	3 49.82	+20 23.0	1.749	2.719	5.4	20.9
11 17	3 39.68	+19 48.8	1.728	2.716	0.9	20.6
11 27	3 29.39	+19 11.3	1.736	2.713	3.7	20.8
12 7	3 20.11	+18 35.0	1.773	2.709	8.0	21.1
12 17	3 12.81	+18 4.5	1.836	2.705	11.9	21.3
12 27	3 8.10	+17 43.4	1.922	2.701	15.2	21.5

162417 2000 EA_{30} 11 18.9 181°.12 7°.5/12.3 18

10 18	3 58.33	− 9 38.5	3.043	3.849	9.8	20.6
10 28	3 52.90	−10 39.1	2.993	3.850	8.5	20.5
11 7	3 46.33	−11 27.7	2.968	3.850	7.6	20.4
11 17	3 39.11	−12 0.5	2.969	3.850	7.6	20.4
11 27	3 31.86	−12 14.6	2.998	3.850	8.4	20.5
12 7	3 25.17	−12 9.4	3.052	3.849	9.7	20.6
12 17	3 19.56	−11 45.7	3.129	3.848	11.1	20.7
12 27	3 15.42	−11 5.6	3.226	3.846	12.4	20.8

81879 2000 LB_{11} 11 18.9 1°.10 3°.1/16.7 18

10 18	4 0.09	+16 17.1	1.692	2.561	13.4	17.8
10 28	3 54.92	+14 41.1	1.628	2.561	9.6	17.5
11 7	3 47.71	+12 58.2	1.589	2.560	5.6	17.3
11 17	3 39.34	+11 15.0	1.578	2.560	3.1	17.1
11 27	3 30.94	+ 9 39.6	1.595	2.561	5.8	17.3
12 7	3 23.61	+ 8 19.3	1.640	2.561	9.8	17.6
12 17	3 18.19	+ 7 18.8	1.710	2.562	13.5	17.8
12 27	3 15.24	+ 6 39.9	1.801	2.564	16.6	18.0

118357 1999 EM_{11} 11 18.9 329°.21 4°.7/20.6 18

10 18	4 4.04	+29 1.7	1.288	2.145	17.6	19.3
10 28	3 58.95	+29 31.9	1.213	2.132	13.5	19.0
11 7	3 50.54	+29 46.0	1.159	2.119	9.0	18.8
11 17	3 39.86	+29 40.5	1.128	2.107	5.1	18.5
11 27	3 28.63	+29 16.1	1.122	2.096	5.9	18.5
12 7	3 18.74	+28 38.0	1.141	2.086	10.4	18.7
12 17	3 11.71	+27 54.5	1.183	2.076	15.1	19.0
12 27	3 8.46	+27 14.4	1.244	2.068	19.3	19.2

330854 2009 PJ_{19} 11 18.9 142°.98 3°.8/17.0 16

10 18	4 6.04	+11 10.6	1.755	2.613	13.6	21.9
10 28	3 59.03	+10 24.3	1.699	2.624	9.8	21.7
11 7	3 49.94	+ 9 38.7	1.668	2.634	6.0	21.5
11 17	3 39.71	+ 8 58.1	1.665	2.644	3.8	21.4
11 27	3 29.48	+ 8 27.3	1.691	2.653	6.0	21.5
12 7	3 20.41	+ 8 9.5	1.745	2.661	9.7	21.8
12 17	3 13.35	+ 8 6.5	1.824	2.668	13.2	22.0
12 27	3 8.86	+ 8 18.5	1.924	2.675	16.1	22.2

153584 2001 SS_{245} 11 18.9 286°.37 3°.0/17.4 18

10 18	4 2.71	+15 1.4	1.536	2.406	14.5	20.1
10 28	3 57.09	+14 6.9	1.467	2.400	10.5	19.8
11 7	3 49.08	+13 7.9	1.422	2.394	6.1	19.5
11 17	3 39.59	+12 9.2	1.403	2.388	3.0	19.3
11 27	3 29.92	+11 17.0	1.412	2.381	5.8	19.5
12 7	3 21.37	+10 37.0	1.447	2.375	10.2	19.7
12 17	3 14.98	+10 13.0	1.507	2.369	14.4	20.0
12 27	3 11.41	+10 6.8	1.586	2.363	17.9	20.2

205078 1999 SM_{2} 11 18.9 7°.23 0°.7/18.6 16

10 18	3 58.85	+19 38.3	1.095	1.985	17.5	20.0
10 28	3 54.95	+19 14.0	1.044	1.986	12.6	19.7
11 7	3 48.08	+18 40.6	1.013	1.988	7.1	19.4
11 17	3 39.43	+18 1.8	1.004	1.993	1.2	19.1
11 27	3 30.67	+17 23.2	1.020	1.999	5.1	19.4
12 7	3 23.43	+16 51.6	1.060	2.006	10.7	19.7
12 17	3 18.91	+16 32.1	1.121	2.016	15.7	20.0
12 27	3 17.78	+16 27.6	1.201	2.026	19.7	20.3

384835 2012 RG_{40} 11 18.9 54°.95 1°.7/18.2 18

10 18	4 5.70	+17 2.9	1.303	2.176	16.4	20.2
10 28	3 59.21	+16 38.6	1.263	2.197	11.7	20.0
11 7	3 50.15	+16 9.8	1.246	2.219	6.5	19.8
11 17	3 39.73	+15 39.8	1.253	2.240	1.8	19.6
11 27	3 29.50	+15 13.4	1.287	2.263	5.1	19.8
12 7	3 20.87	+14 54.9	1.348	2.285	9.9	20.2
12 17	3 14.81	+14 47.8	1.432	2.307	14.2	20.5
12 27	3 11.86	+14 53.4	1.536	2.330	17.6	20.8

294755 2008 CM_{17} 11 18.9 308.°97 2.°7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.76	+14 29.4	1.764	2.631	13.1	20.6
10 28	3 55.50	+13 48.4	1.690	2.621	9.5	20.4
11 7	3 48.13	+13 4.3	1.639	2.610	5.5	20.1
11 17	3 39.45	+12 21.1	1.616	2.600	2.7	19.9
11 27	3 30.56	+11 43.3	1.621	2.591	5.2	20.0
12 7	3 22.59	+11 15.4	1.654	2.581	9.2	20.3
12 17	3 16.47	+11 0.5	1.711	2.572	13.0	20.5
12 27	3 12.83	+11 0.1	1.789	2.563	16.3	20.7

18340 1989 OM 11 18.9 71.°74 4.°9/21.3 18

10 18	4 10.36	+32 32.3	2.009	2.820	14.0	18.3
10 28	4 2.20	+33 23.1	1.962	2.850	10.8	18.1
11 7	3 51.75	+33 58.8	1.939	2.879	7.6	18.0
11 17	3 40.01	+34 16.4	1.944	2.909	5.2	17.9
11 27	3 28.30	+34 16.3	1.978	2.938	5.4	18.0
12 7	3 17.88	+34 1.9	2.041	2.967	7.8	18.2
12 17	3 9.70	+33 38.7	2.130	2.996	10.6	18.4
12 27	3 4.34	+33 12.9	2.243	3.024	13.2	18.6

469733 2005 NE_{24} 11 18.9 60.°30 10.°5/15.9 16

10 18	4 7.74	− 2 55.7	1.256	2.113	17.9	20.9
10 28	4 0.32	− 3 58.5	1.238	2.145	14.3	20.7
11 7	3 50.58	− 4 40.3	1.242	2.177	11.5	20.7
11 17	3 39.79	− 4 54.5	1.270	2.210	10.5	20.7
11 27	3 29.46	− 4 38.2	1.321	2.242	11.8	20.9
12 7	3 20.87	− 3 53.4	1.396	2.274	14.4	21.1
12 17	3 14.86	− 2 45.2	1.493	2.306	17.2	21.4
12 27	3 11.82	− 1 19.9	1.607	2.338	19.5	21.7

411010 2009 UD_{80} 11 18.9 263.°96 0.°1/18.9 17

10 18	4 0.08	+22 9.8	2.284	3.132	11.2	21.0
10 28	3 54.63	+21 31.9	2.203	3.125	8.1	20.8
11 7	3 47.49	+20 45.5	2.149	3.118	4.6	20.5
11 17	3 39.34	+19 52.9	2.122	3.111	0.8	20.2
11 27	3 31.07	+18 57.6	2.126	3.103	3.1	20.4
12 7	3 23.58	+18 4.0	2.160	3.096	6.8	20.6
12 17	3 17.61	+17 16.4	2.221	3.088	10.2	20.8
12 27	3 13.69	+16 38.3	2.305	3.081	13.0	21.0

480153 2015 FS_{284} 11 18.9 111.°80 4.°8/16.8 18

10 18	4 5.19	+ 8 49.7	1.634	2.497	14.2	21.6
10 28	3 58.51	+ 8 4.8	1.584	2.509	10.4	21.4
11 7	3 49.69	+ 7 23.5	1.557	2.521	6.7	21.2
11 17	3 39.69	+ 6 50.7	1.558	2.533	4.8	21.1
11 27	3 29.73	+ 6 30.6	1.587	2.544	6.8	21.2
12 7	3 20.99	+ 6 26.1	1.642	2.555	10.4	21.5
12 17	3 14.33	+ 6 38.0	1.722	2.566	13.8	21.7
12 27	3 10.31	+ 7 5.2	1.823	2.576	16.8	22.0

55687 2049 T_{-2} 11 18.9 151.°98 0.°9/19.4 18

10 18	4 7.38	+23 6.9	1.896	2.739	13.4	19.9
10 28	4 0.06	+22 53.8	1.831	2.748	9.7	19.6
11 7	3 50.58	+22 31.4	1.790	2.757	5.6	19.4
11 17	3 39.85	+22 0.5	1.777	2.765	1.4	19.1
11 27	3 29.07	+21 24.1	1.795	2.772	3.5	19.3
12 7	3 19.44	+20 46.8	1.841	2.778	7.7	19.6
12 17	3 11.85	+20 13.4	1.915	2.784	11.5	19.8
12 27	3 6.90	+19 47.9	2.011	2.789	14.6	20.1

119172 2001 QJ_{49} 11 18.9 34.°48 1.°7/18.3 18

10 18	4 3.65	+17 26.5	1.115	1.999	17.7	19.5
10 28	3 58.13	+17 0.3	1.075	2.014	12.7	19.2
11 7	3 49.71	+16 28.7	1.055	2.030	7.0	19.0
11 17	3 39.70	+15 55.5	1.060	2.047	1.9	18.7
11 27	3 29.82	+15 26.2	1.089	2.065	5.5	19.0
12 7	3 21.65	+15 6.1	1.142	2.084	10.8	19.4
12 17	3 16.29	+14 58.8	1.218	2.103	15.4	19.7
12 27	3 14.29	+15 6.0	1.313	2.124	19.2	20.0

257869 2000 SD_{32} 11 18.9 20.°37 2.°7/17.9 18

10 18	4 1.46	+16 51.1	0.940	1.836	19.1	19.2
10 28	3 57.00	+16 3.6	0.897	1.842	13.7	18.9
11 7	3 49.26	+15 9.7	0.874	1.850	7.7	18.6
11 17	3 39.64	+14 15.7	0.873	1.860	2.8	18.3
11 27	3 30.06	+13 29.7	0.895	1.871	6.6	18.6
12 7	3 22.30	+12 58.8	0.940	1.883	12.3	19.0
12 17	3 17.61	+12 47.0	1.005	1.896	17.4	19.3
12 27	3 16.59	+12 55.1	1.087	1.910	21.5	19.6

127574 2003 AG_{34} 11 18.9 30.°12 1.°6/18.6 18

10 18	4 6.40	+14 51.2	0.984	1.872	19.2	18.6
10 28	4 0.37	+15 18.5	0.949	1.889	13.7	18.4
11 7	3 51.07	+15 45.4	0.933	1.908	7.7	18.1
11 17	3 39.93	+16 12.4	0.940	1.927	1.9	17.8
11 27	3 28.91	+16 40.8	0.971	1.948	5.6	18.1
12 7	3 19.85	+17 12.4	1.026	1.970	11.3	18.5
12 17	3 13.97	+17 48.8	1.102	1.993	16.2	18.9
12 27	3 11.86	+18 31.4	1.197	2.017	20.1	19.2

129490 1994 TP_{10} 11 18.9 115.°39 3.°6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.31	+11 21.3	2.113	2.968	11.7	20.7
10 28	3 56.71	+10 15.0	2.065	2.988	8.5	20.5
11 7	3 48.52	+ 9 9.3	2.043	3.008	5.2	20.4
11 17	3 39.50	+ 8 8.5	2.051	3.027	3.6	20.3
11 27	3 30.60	+ 7 17.4	2.088	3.046	5.4	20.5
12 7	3 22.68	+ 6 39.4	2.155	3.063	8.5	20.7
12 17	3 16.42	+ 6 16.4	2.248	3.081	11.4	20.9
12 27	3 12.27	+ 6 8.7	2.362	3.097	13.9	21.1

48953 1998 QG_{20} 11 18.9 27.°45 1.°4/19.6 18

10 18	4 1.99	+24 55.9	0.973	1.858	19.6	17.9
10 28	3 57.31	+24 23.6	0.935	1.872	14.3	17.6
11 7	3 49.37	+23 33.8	0.916	1.889	8.3	17.4
11 17	3 39.65	+22 30.2	0.919	1.907	2.2	17.1
11 27	3 30.13	+21 20.8	0.946	1.926	5.0	17.3
12 7	3 22.58	+20 15.4	0.997	1.947	10.8	17.7
12 17	3 18.14	+19 22.3	1.069	1.968	15.8	18.1
12 27	3 17.33	+18 46.5	1.159	1.991	19.9	18.4

195725 2002 PM_{71} 11 18.9 135.°73 0.°5/18.5 18

10 18	4 0.07	+19 31.0	2.885	3.729	9.3	21.5
10 28	3 54.20	+18 56.4	2.822	3.742	6.6	21.3
11 7	3 47.08	+18 17.2	2.785	3.754	3.7	21.1
11 17	3 39.28	+17 35.4	2.778	3.766	0.7	20.9
11 27	3 31.50	+16 53.6	2.803	3.778	2.7	21.1
12 7	3 24.40	+16 14.7	2.859	3.789	5.7	21.3
12 17	3 18.53	+15 41.5	2.943	3.800	8.3	21.5
12 27	3 14.30	+15 16.1	3.052	3.810	10.5	21.7

460504 2014 SX_{323} 11 18.9 355.°53 0.°4/19.1 17

10 18	4 3.45	+18 42.2	1.715	2.576	13.7	20.4
10 28	3 57.61	+19 20.8	1.644	2.571	10.0	20.2
11 7	3 49.42	+19 56.9	1.597	2.568	5.7	19.9
11 17	3 39.70	+20 29.4	1.577	2.565	1.1	19.6
11 27	3 29.67	+20 58.5	1.586	2.563	3.8	19.8
12 7	3 20.60	+21 25.3	1.622	2.562	8.2	20.1
12 17	3 13.56	+21 51.9	1.684	2.562	12.3	20.3
12 27	3 9.26	+22 20.8	1.768	2.563	15.6	20.5

351839 2006 QV_{110} 11 18.9 92.°54 4.°6/22.2 18

10 18	4 7.15	+35 18.5	2.016	2.822	14.1	20.6
10 28	3 59.82	+35 8.9	1.961	2.845	11.0	20.4
11 7	3 50.37	+34 40.8	1.929	2.867	7.7	20.3
11 17	3 39.82	+33 53.8	1.923	2.890	5.1	20.2
11 27	3 29.43	+32 50.6	1.947	2.911	5.0	20.2
12 7	3 20.36	+31 37.5	2.000	2.933	7.5	20.4
12 17	3 13.48	+30 21.5	2.080	2.954	10.5	20.6
12 27	3 9.26	+29 9.7	2.184	2.974	13.2	20.8

394486 2007 TD_{84} 11 18.9 17.°96 4.°2/20.6 18

10 18	4 5.65	+28 28.0	1.482	2.329	16.2	20.5
10 28	3 59.59	+29 7.2	1.419	2.333	12.3	20.2
11 7	3 50.65	+29 32.3	1.379	2.337	8.1	20.0
11 17	3 39.92	+29 40.8	1.363	2.341	4.6	19.8
11 27	3 28.93	+29 32.9	1.374	2.347	5.4	19.9
12 7	3 19.28	+29 13.1	1.412	2.352	9.2	20.1
12 17	3 12.21	+28 47.5	1.474	2.359	13.2	20.4
12 27	3 8.46	+28 23.1	1.557	2.366	16.7	20.6

234677 2002 GH_{52} 11 18.9 185.°61 2.°2/19.9 18

10 18	4 6.26	+25 19.9	1.857	2.699	13.7	20.5
10 28	3 59.51	+25 33.8	1.784	2.699	10.2	20.3
11 7	3 50.42	+25 37.7	1.735	2.698	6.2	20.0
11 17	3 39.88	+25 30.7	1.714	2.698	2.5	19.8
11 27	3 29.11	+25 14.2	1.721	2.697	3.9	19.9
12 7	3 19.39	+24 51.9	1.757	2.696	7.9	20.1
12 17	3 11.75	+24 28.5	1.820	2.695	11.7	20.4
12 27	3 6.85	+24 9.0	1.905	2.694	14.9	20.6

234017 1998 ON_{3} 11 18.9 151.°25 1.°2/18.2 18

10 18	4 3.70	+17 30.3	2.134	2.985	11.8	21.5
10 28	3 57.18	+16 58.2	2.069	2.993	8.4	21.3
11 7	3 48.90	+16 21.7	2.031	3.001	4.7	21.1
11 17	3 39.61	+15 43.3	2.021	3.008	1.3	20.9
11 27	3 30.30	+15 6.3	2.041	3.014	3.8	21.1
12 7	3 21.91	+14 34.6	2.091	3.020	7.5	21.3
12 17	3 15.20	+14 11.2	2.168	3.025	10.8	21.6
12 27	3 10.70	+13 58.2	2.267	3.030	13.6	21.8

74365 1998 WQ_{28} 11 18.9 258.°09 0.°8/18.6 18

10 18	4 4.99	+15 18.6	2.342	3.189	11.0	19.1
10 28	3 58.18	+15 44.4	2.262	3.183	8.0	18.8
11 7	3 49.54	+16 9.9	2.208	3.177	4.5	18.6
11 17	3 39.75	+16 35.3	2.183	3.170	1.0	18.4
11 27	3 29.70	+17 1.1	2.189	3.164	3.3	18.5
12 7	3 20.35	+17 28.2	2.226	3.158	6.9	18.8
12 17	3 12.50	+17 57.6	2.292	3.151	10.2	18.9
12 27	3 6.78	+18 30.7	2.381	3.145	13.0	19.1

47200 1999 TB_{205} 11 18.9 260°.44 0°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.44	+22 18.4	1.537	2.395	15.1	19.3
10 28	3 59.32	+21 57.9	1.458	2.384	11.1	19.0
11 7	3 50.50	+21 26.4	1.403	2.373	6.4	18.7
11 17	3 39.93	+20 45.3	1.374	2.362	1.2	18.3
11 27	3 29.02	+19 58.6	1.372	2.350	4.2	18.5
12 7	3 19.27	+19 12.3	1.398	2.338	9.3	18.8
12 17	3 11.85	+18 32.5	1.448	2.326	13.9	19.0
12 27	3 7.55	+18 4.4	1.520	2.314	17.8	19.3

363630 2004 RO_{139} 11 18.9 54°.06 2°.3/18.1 17

10 18	4 8.71	+16 42.3	0.980	1.865	19.6	20.7
10 28	4 1.75	+16 7.6	0.953	1.892	13.9	20.5
11 7	3 51.67	+15 28.4	0.945	1.920	7.7	20.2
11 17	3 40.05	+14 49.6	0.961	1.948	2.4	20.0
11 27	3 28.89	+14 17.5	1.001	1.976	6.1	20.4
12 7	3 19.90	+13 57.5	1.065	2.005	11.6	20.8
12 17	3 14.12	+13 52.9	1.151	2.034	16.3	21.1
12 27	3 12.00	+14 4.1	1.255	2.062	20.1	21.5

2330 Ontake 11 18.9 140°.68 3°.7/16.5 18

10 18	3 59.36	+ 8 31.9	2.406	3.262	10.4	16.6
10 28	3 53.93	+ 7 54.2	2.343	3.264	7.7	16.5
11 7	3 47.05	+ 7 19.1	2.305	3.266	5.0	16.3
11 17	3 39.34	+ 6 49.8	2.296	3.269	3.7	16.2
11 27	3 31.56	+ 6 29.3	2.316	3.271	5.2	16.3
12 7	3 24.49	+ 6 19.9	2.365	3.272	7.9	16.5
12 17	3 18.77	+ 6 22.7	2.440	3.274	10.6	16.7
12 27	3 14.87	+ 6 37.6	2.538	3.276	12.9	16.9

430854 2005 MP_{26} 11 18.9 83°.79 4°.5/17.1 18

10 18	4 6.07	+10 21.1	1.445	2.313	15.4	20.7
10 28	3 59.32	+ 9 39.2	1.401	2.330	11.2	20.5
11 7	3 50.22	+ 9 0.1	1.380	2.347	6.9	20.3
11 17	3 39.85	+ 8 28.6	1.385	2.364	4.5	20.2
11 27	3 29.60	+ 8 9.3	1.418	2.380	6.8	20.3
12 7	3 20.76	+ 8 5.3	1.476	2.397	10.7	20.6
12 17	3 14.25	+ 8 17.4	1.559	2.413	14.5	20.9
12 27	3 10.63	+ 8 44.7	1.661	2.429	17.6	21.2

50630 2000 EK_{70} 11 18.9 166°.35 0°.5/18.6 18

10 18	3 59.86	+18 48.6	2.709	3.556	9.7	19.8
10 28	3 54.22	+18 28.1	2.637	3.559	6.9	19.6
11 7	3 47.19	+18 3.4	2.591	3.561	3.9	19.4
11 17	3 39.37	+17 36.2	2.575	3.563	0.7	19.1
11 27	3 31.47	+17 8.7	2.590	3.565	2.8	19.3
12 7	3 24.23	+16 43.7	2.635	3.567	6.0	19.5
12 17	3 18.27	+16 23.6	2.708	3.568	8.8	19.7
12 27	3 14.03	+16 10.5	2.805	3.569	11.2	19.9

139110 2001 FJ_{51} 11 18.9 225°.66 1°.2/19.5 18

10 18	4 7.43	+23 27.0	1.793	2.639	13.9	20.7
10 28	4 0.49	+23 24.6	1.711	2.629	10.3	20.4
11 7	3 51.07	+23 12.4	1.652	2.619	6.0	20.2
11 17	3 40.03	+22 50.5	1.621	2.608	1.7	19.8
11 27	3 28.66	+22 21.1	1.619	2.597	3.8	20.0
12 7	3 18.31	+21 48.6	1.646	2.584	8.3	20.2
12 17	3 10.07	+21 18.2	1.699	2.572	12.5	20.4
12 27	3 4.70	+20 54.8	1.774	2.558	16.0	20.7

322936 2002 EW_{160} 11 18.9 227°.56 2°.1/19.7 17

10 18	4 8.53	+24 25.3	1.492	2.344	15.9	21.0
10 28	4 1.69	+24 41.1	1.419	2.339	11.8	20.7
11 7	3 51.89	+24 45.9	1.368	2.334	7.1	20.4
11 17	3 40.18	+24 38.5	1.343	2.329	2.6	20.2
11 27	3 28.09	+24 20.5	1.346	2.323	4.5	20.3
12 7	3 17.28	+23 56.3	1.376	2.317	9.4	20.5
12 17	3 9.02	+23 32.0	1.431	2.311	13.9	20.8
12 27	3 4.14	+23 13.4	1.506	2.304	17.7	21.0

153017 2000 KR_{38} 11 18.9 75°.95 0°.0/18.9 18

10 18	4 6.88	+21 6.0	1.485	2.345	15.5	20.6
10 28	3 59.93	+20 44.5	1.440	2.367	11.1	20.4
11 7	3 50.56	+20 14.4	1.418	2.389	6.2	20.1
11 17	3 39.92	+19 37.7	1.422	2.410	1.0	19.8
11 27	3 29.43	+18 59.0	1.455	2.432	4.1	20.1
12 7	3 20.44	+18 23.6	1.514	2.454	8.8	20.4
12 17	3 13.89	+17 56.1	1.599	2.475	13.0	20.7
12 27	3 10.30	+17 39.8	1.705	2.496	16.3	21.0

412944 2014 QE_{227} 11 18.9 353°.13 0°.5/19.2 18

10 18	4 1.41	+21 50.9	1.967	2.820	12.5	21.1
10 28	3 55.86	+21 42.4	1.895	2.819	9.1	20.8
11 7	3 48.32	+21 26.5	1.848	2.818	5.2	20.6
11 17	3 39.58	+21 4.2	1.829	2.817	1.1	20.3
11 27	3 30.69	+20 38.2	1.838	2.816	3.4	20.5
12 7	3 22.71	+20 12.0	1.876	2.815	7.4	20.8
12 17	3 16.50	+19 49.6	1.940	2.815	11.1	21.0
12 27	3 12.66	+19 34.3	2.027	2.815	14.1	21.2

324319 2006 GG_{20} 11 18.9 115°.27 3°.9/17.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.66	+13 27.1	1.328	2.202	16.1	21.8
10 28	3 59.39	+12 31.4	1.273	2.206	11.7	21.6
11 7	3 50.44	+11 33.5	1.240	2.210	6.9	21.3
11 17	3 39.93	+10 39.1	1.232	2.214	3.9	21.1
11 27	3 29.36	+ 9 55.0	1.251	2.219	6.7	21.3
12 7	3 20.21	+ 9 26.4	1.296	2.223	11.3	21.6
12 17	3 13.58	+ 9 16.3	1.364	2.226	15.6	21.9
12 27	3 10.09	+ 9 25.0	1.451	2.230	19.2	22.1

520586 2014 OO_{36} 11 18.9 202°.95 3°.2/17.1 18

10 18	4 2.15	+10 10.5	2.366	3.218	10.7	22.4
10 28	3 56.02	+ 9 42.2	2.293	3.214	7.8	22.2
11 7	3 48.28	+ 9 15.3	2.246	3.210	4.9	22.0
11 17	3 39.57	+ 8 52.6	2.228	3.205	3.2	21.9
11 27	3 30.74	+ 8 37.0	2.240	3.200	4.9	22.0
12 7	3 22.63	+ 8 30.7	2.281	3.194	7.8	22.2
12 17	3 15.95	+ 8 35.2	2.349	3.188	10.8	22.4
12 27	3 11.21	+ 8 50.8	2.440	3.181	13.3	22.5

103049 1999 XF_{129} 11 18.9 5°.51 4°.2/20.1 18

10 18	4 0.62	+25 31.7	1.012	1.895	19.2	18.7
10 28	3 56.76	+26 26.8	0.961	1.895	14.4	18.4
11 7	3 49.41	+27 8.5	0.929	1.897	9.1	18.1
11 17	3 39.81	+27 33.5	0.918	1.901	4.6	17.9
11 27	3 29.89	+27 41.5	0.930	1.907	6.0	18.0
12 7	3 21.65	+27 37.1	0.966	1.916	11.0	18.3
12 17	3 16.58	+27 27.2	1.022	1.926	15.9	18.6
12 27	3 15.47	+27 18.8	1.096	1.939	20.0	18.9

378097 2006 UJ_{156} 11 18.9 122°.15 2°.1/17.9 16

10 18	4 7.04	+15 51.4	1.587	2.448	14.6	22.1
10 28	3 59.99	+15 17.5	1.533	2.461	10.5	21.8
11 7	3 50.62	+14 39.9	1.503	2.474	5.9	21.6
11 17	3 39.96	+14 2.1	1.500	2.486	2.2	21.4
11 27	3 29.34	+13 28.7	1.526	2.498	5.0	21.6
12 7	3 20.02	+13 4.1	1.579	2.509	9.4	21.9
12 17	3 12.97	+12 51.2	1.657	2.519	13.3	22.2
12 27	3 8.74	+12 51.8	1.757	2.529	16.6	22.4

98649 2000 WO_{138} 11 18.9 282°.59 0°.8/19.3 18

10 18	4 4.43	+22 4.5	1.663	2.519	14.3	19.7
10 28	3 58.45	+22 1.0	1.586	2.511	10.5	19.5
11 7	3 49.97	+21 48.7	1.532	2.502	6.0	19.2
11 17	3 39.90	+21 28.3	1.505	2.493	1.4	18.9
11 27	3 29.52	+21 2.4	1.506	2.484	3.9	19.0
12 7	3 20.18	+20 35.3	1.535	2.475	8.6	19.3
12 17	3 12.99	+20 12.0	1.588	2.466	12.9	19.5
12 27	3 8.69	+19 56.8	1.664	2.458	16.5	19.7

86859 2000 HU_{11} 11 18.9 127°.24 1°.2/18.3 18

10 18	4 4.82	+19 1.5	1.675	2.535	14.1	19.5
10 28	3 58.38	+18 15.4	1.615	2.543	10.1	19.3
11 7	3 49.73	+17 21.9	1.579	2.551	5.6	19.1
11 17	3 39.83	+16 24.7	1.571	2.559	1.4	18.8
11 27	3 29.93	+15 29.0	1.591	2.566	4.4	19.0
12 7	3 21.23	+14 40.3	1.639	2.573	8.8	19.3
12 17	3 14.65	+14 3.1	1.713	2.579	12.8	19.6
12 27	3 10.75	+13 40.3	1.808	2.586	16.0	19.8

50327 2000 CS_{55} 11 18.9 125°.79 1°.4/19.7 18

10 18	4 4.06	+24 32.9	1.892	2.738	13.3	19.2
10 28	3 57.82	+24 24.4	1.824	2.742	9.8	19.0
11 7	3 49.44	+24 5.7	1.780	2.746	5.8	18.8
11 17	3 39.80	+23 37.4	1.763	2.750	1.9	18.6
11 27	3 30.05	+23 2.3	1.776	2.753	3.5	18.7
12 7	3 21.35	+22 24.8	1.817	2.757	7.6	18.9
12 17	3 14.60	+21 49.7	1.884	2.760	11.3	19.2
12 27	3 10.42	+21 21.5	1.974	2.763	14.4	19.4

506466 2002 LG_{47} 11 18.9 156°.57 5°.1/14.5 18

10 18	3 58.96	− 1 8.6	3.309	4.138	8.6	23.1
10 28	3 53.28	− 1 58.2	3.256	4.148	6.8	23.0
11 7	3 46.58	− 2 40.8	3.230	4.157	5.5	22.9
11 17	3 39.31	− 3 13.4	3.234	4.165	5.2	22.9
11 27	3 32.04	− 3 33.6	3.267	4.173	6.1	22.9
12 7	3 25.32	− 3 40.2	3.328	4.180	7.6	23.1
12 17	3 19.59	− 3 33.1	3.416	4.186	9.3	23.2
12 27	3 15.22	− 3 13.2	3.526	4.192	10.8	23.3

156606 2002 GV_{85} 11 18.9 105°.42 4°.0/16.3 18

10 18	3 59.94	+ 8 59.8	2.224	3.082	11.1	19.9
10 28	3 54.42	+ 8 7.2	2.167	3.090	8.1	19.7
11 7	3 47.36	+ 7 16.8	2.136	3.097	5.3	19.5
11 17	3 39.45	+ 6 32.5	2.133	3.105	4.0	19.5
11 27	3 31.52	+ 5 58.3	2.159	3.112	5.6	19.6
12 7	3 24.39	+ 5 37.0	2.213	3.119	8.4	19.8
12 17	3 18.74	+ 5 29.8	2.294	3.127	11.2	20.0
12 27	3 15.02	+ 5 36.8	2.396	3.134	13.6	20.2

296656 2009 SD_{139} 11 18.9 344.°46 0.°4/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.00	+20 56.3	2.054	2.906	12.1	20.4
10 28	3 56.23	+20 55.2	1.981	2.904	8.8	20.2
11 7	3 48.53	+20 47.9	1.934	2.903	5.0	20.0
11 17	3 39.66	+20 35.3	1.914	2.902	1.0	19.7
11 27	3 30.62	+20 19.5	1.923	2.901	3.3	19.9
12 7	3 22.44	+20 3.5	1.961	2.900	7.2	20.1
12 17	3 15.97	+19 50.6	2.026	2.899	10.8	20.3
12 27	3 11.79	+19 43.8	2.114	2.898	13.8	20.5

225109 2008 DC_{76} 11 18.9 163.°04 2.°9/20.3 18

10 18	4 8.92	+27 25.4	1.753	2.588	14.6	21.4
10 28	4 1.54	+27 35.2	1.684	2.593	11.0	21.2
11 7	3 51.63	+27 32.0	1.638	2.598	6.9	21.0
11 17	3 40.17	+27 14.8	1.620	2.602	3.3	20.7
11 27	3 28.56	+26 45.2	1.630	2.605	4.3	20.8
12 7	3 18.17	+26 8.1	1.669	2.607	8.2	21.1
12 17	3 10.09	+25 29.5	1.734	2.609	12.1	21.3
12 27	3 5.00	+24 55.5	1.822	2.611	15.5	21.5

300349 2007 RR_{50} 11 18.9 7.°80 2.°1/17.7 18

10 18	4 1.20	+17 47.8	1.522	2.393	14.5	20.2
10 28	3 56.00	+16 43.3	1.460	2.394	10.4	20.0
11 7	3 48.50	+15 31.4	1.422	2.395	5.9	19.7
11 17	3 39.65	+14 17.1	1.409	2.396	2.2	19.5
11 27	3 30.73	+13 7.3	1.425	2.397	5.2	19.7
12 7	3 23.00	+12 8.8	1.467	2.399	9.7	20.0
12 17	3 17.40	+11 26.1	1.533	2.402	13.8	20.2
12 27	3 14.55	+11 1.9	1.620	2.405	17.3	20.5

225052 2007 GV_{45} 11 18.9 5.°20 2.°0/17.7 18

10 18	3 59.90	+15 23.7	2.062	2.924	11.7	20.3
10 28	3 54.60	+14 46.1	1.995	2.924	8.4	20.1
11 7	3 47.56	+14 5.7	1.953	2.924	4.8	19.9
11 17	3 39.49	+13 25.4	1.939	2.924	2.0	19.7
11 27	3 31.34	+12 49.2	1.954	2.925	4.3	19.9
12 7	3 24.03	+12 20.6	1.998	2.925	7.9	20.1
12 17	3 18.31	+12 2.4	2.067	2.926	11.2	20.3
12 27	3 14.72	+11 56.1	2.159	2.927	14.0	20.5

346827 2009 DL_3 11 18.9 328.°74 9.°5/22.9 17

10 18	4 4.11	+39 37.0	1.376	2.195	18.8	19.8
10 28	3 59.42	+40 31.3	1.294	2.175	15.7	19.5
11 7	3 51.09	+41 1.3	1.230	2.155	12.5	19.3
11 17	3 40.16	+40 59.6	1.188	2.136	10.0	19.1
11 27	3 28.48	+40 23.6	1.169	2.119	9.8	19.0
12 7	3 18.17	+39 17.9	1.174	2.102	12.1	19.1
12 17	3 10.96	+37 52.9	1.201	2.086	15.6	19.2
12 27	3 7.90	+36 21.7	1.248	2.072	19.2	19.4

6368 Richardmenendez 11 18.9 338.°14 6.°8/21.6 18

10 18	4 4.08	+33 1.3	1.109	1.965	19.9	16.3
10 28	3 59.50	+33 33.0	1.041	1.954	15.7	16.0
11 7	3 51.12	+33 41.0	0.991	1.945	11.2	15.7
11 17	3 40.15	+33 20.6	0.963	1.936	7.4	15.5
11 27	3 28.65	+32 32.4	0.958	1.928	7.6	15.5
12 7	3 18.82	+31 24.0	0.976	1.921	11.6	15.7
12 17	3 12.34	+30 7.6	1.016	1.916	16.4	15.9
12 27	3 10.15	+28 55.4	1.074	1.911	20.7	16.2

446043 2013 CP_{106} 11 18.9 238.°89 1.°7/19.8 18

10 18	4 3.88	+24 59.6	1.910	2.755	13.2	21.8
10 28	3 57.77	+24 55.9	1.835	2.752	9.8	21.6
11 7	3 49.48	+24 41.8	1.784	2.749	5.9	21.3
11 17	3 39.84	+24 17.6	1.760	2.746	2.1	21.1
11 27	3 30.01	+23 45.7	1.766	2.743	3.6	21.2
12 7	3 21.17	+23 10.1	1.799	2.739	7.6	21.4
12 17	3 14.25	+22 36.0	1.859	2.736	11.4	21.6
12 27	3 9.91	+22 7.8	1.942	2.732	14.6	21.8

523365 2017 CE_{34} 11 18.9 36.°33 7.°6/15.6 18

10 18	4 2.17	− 4 6.6	2.144	2.978	12.4	20.3
10 28	3 56.06	− 4 31.8	2.090	2.982	10.1	20.1
11 7	3 48.31	− 4 43.6	2.061	2.985	8.2	20.0
11 17	3 39.64	− 4 38.2	2.057	2.989	7.6	20.0
11 27	3 30.93	− 4 13.0	2.082	2.993	8.7	20.1
12 7	3 23.06	− 3 28.4	2.132	2.997	10.7	20.2
12 17	3 16.75	− 2 26.2	2.208	3.002	13.0	20.4
12 27	3 12.49	− 1 9.8	2.304	3.006	15.0	20.5

229330 2005 OS 11 18.9 150.°06 3.°1/20.3 18

10 18	4 9.08	+27 23.1	1.697	2.534	15.0	20.8
10 28	4 1.74	+27 41.1	1.630	2.541	11.2	20.6
11 7	3 51.78	+27 46.1	1.587	2.546	7.1	20.4
11 17	3 40.23	+27 36.7	1.570	2.552	3.5	20.1
11 27	3 28.50	+27 14.5	1.582	2.557	4.5	20.2
12 7	3 18.05	+26 43.7	1.623	2.561	8.4	20.5
12 17	3 9.97	+26 10.6	1.689	2.565	12.3	20.7
12 27	3 4.97	+25 41.2	1.777	2.568	15.7	21.0

290447 2005 TC_{133} 11 18.9 232.°99 4.°4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.42	+34 12.1	2.253	3.062	12.7	20.4
10 28	3 57.31	+34 19.2	2.174	3.061	10.0	20.3
11 7	3 49.16	+34 10.9	2.120	3.059	7.1	20.1
11 17	3 39.79	+33 46.1	2.092	3.058	4.8	19.9
11 27	3 30.26	+33 6.0	2.092	3.056	4.8	19.9
12 7	3 21.67	+32 14.6	2.122	3.054	7.2	20.1
12 17	3 14.89	+31 17.6	2.179	3.052	10.1	20.3
12 27	3 10.53	+30 21.1	2.260	3.051	12.8	20.4

25746 Nickscoville 11 18.9 283.°50 6.°4/14.0 18

10 18	3 58.56	+ 2 14.3	2.255	3.108	11.2	18.2
10 28	3 53.57	+ 0 54.7	2.181	3.092	8.8	18.0
11 7	3 46.99	− 0 19.5	2.134	3.076	6.9	17.9
11 17	3 39.44	− 1 22.6	2.114	3.059	6.5	17.8
11 27	3 31.71	− 2 9.6	2.122	3.043	8.0	17.9
12 7	3 24.65	− 2 37.0	2.156	3.027	10.3	18.0
12 17	3 18.95	− 2 44.0	2.215	3.011	12.9	18.2
12 27	3 15.15	− 2 31.3	2.294	2.994	15.1	18.3

173318 1999 VR_{56} 11 18.9 80.°69 1.°2/18.3 18

10 18	4 3.65	+18 25.9	1.680	2.542	13.9	19.9
10 28	3 57.53	+17 49.5	1.624	2.553	9.9	19.7
11 7	3 49.27	+17 7.0	1.592	2.564	5.5	19.5
11 17	3 39.80	+16 21.7	1.587	2.575	1.4	19.2
11 27	3 30.35	+15 38.2	1.611	2.586	4.3	19.5
12 7	3 22.08	+15 1.2	1.662	2.597	8.6	19.8
12 17	3 15.87	+14 34.7	1.739	2.608	12.5	20.0
12 27	3 12.28	+14 21.0	1.837	2.618	15.7	20.3

436459 2011 CL_{97} 11 18.9 305.°67 3.°6/17.2 18

10 18	4 3.20	+14 6.3	1.389	2.264	15.5	21.7
10 28	3 57.70	+13 6.9	1.323	2.258	11.2	21.5
11 7	3 49.59	+12 3.5	1.281	2.252	6.6	21.2
11 17	3 39.88	+11 2.0	1.264	2.247	3.6	21.0
11 27	3 29.97	+10 9.3	1.273	2.241	6.5	21.2
12 7	3 21.29	+ 9 31.5	1.309	2.236	11.1	21.4
12 17	3 14.95	+ 9 12.4	1.367	2.231	15.5	21.7
12 27	3 11.64	+ 9 12.9	1.444	2.227	19.1	21.9

291837 2006 MH_2 11 18.9 105.°59 4.°6/16.9 17

10 18	4 6.52	+11 0.4	1.386	2.256	15.8	20.7
10 28	3 59.83	+10 6.7	1.337	2.267	11.5	20.5
11 7	3 50.63	+ 9 14.3	1.311	2.279	7.1	20.3
11 17	3 40.03	+ 8 29.0	1.311	2.290	4.6	20.2
11 27	3 29.49	+ 7 56.5	1.338	2.301	7.1	20.4
12 7	3 20.37	+ 7 41.0	1.391	2.311	11.2	20.6
12 17	3 13.69	+ 7 43.9	1.467	2.321	15.2	20.9
12 27	3 10.02	+ 8 4.5	1.562	2.331	18.5	21.2

41584 2000 SL_{35} 11 18.9 313.°93 1.°5/18.1 18

10 18	4 1.51	+16 28.8	1.950	2.810	12.3	19.8
10 28	3 55.90	+16 3.8	1.879	2.807	8.9	19.6
11 7	3 48.37	+15 35.2	1.834	2.805	5.0	19.4
11 17	3 39.67	+15 5.5	1.816	2.802	1.6	19.1
11 27	3 30.83	+14 38.2	1.826	2.800	4.1	19.3
12 7	3 22.88	+14 16.7	1.866	2.797	8.0	19.6
12 17	3 16.65	+14 4.0	1.931	2.795	11.6	19.8
12 27	3 12.74	+14 2.0	2.018	2.793	14.7	20.0

35239 Ottoseydl 11 18.9 42.°05 0.°3/18.8 18

10 18	4 1.77	+20 2.0	1.855	2.713	13.0	19.8
10 28	3 56.12	+19 39.4	1.792	2.718	9.3	19.6
11 7	3 48.48	+19 10.2	1.753	2.724	5.2	19.3
11 17	3 39.68	+18 36.3	1.742	2.730	0.9	19.0
11 27	3 30.82	+18 1.5	1.759	2.736	3.6	19.3
12 7	3 22.97	+17 29.8	1.805	2.742	7.8	19.5
12 17	3 16.97	+17 5.0	1.876	2.749	11.5	19.8
12 27	3 13.39	+16 50.1	1.970	2.755	14.6	20.0

135552 2002 EW_{50} 11 18.9 94.°26 2.°4/19.9 18

10 18	4 9.94	+25 44.2	1.417	2.267	16.7	20.1
10 28	4 2.46	+25 48.2	1.366	2.285	12.3	19.9
11 7	3 52.17	+25 38.5	1.338	2.303	7.4	19.7
11 17	3 40.30	+25 14.8	1.335	2.320	2.9	19.5
11 27	3 28.50	+24 40.3	1.360	2.337	4.5	19.6
12 7	3 18.34	+24 1.1	1.412	2.354	9.1	19.9
12 17	3 10.92	+23 23.9	1.489	2.370	13.4	20.2
12 27	3 6.84	+22 54.5	1.587	2.386	16.9	20.5

447176 2005 QQ_{56} 11 18.9 193.°72 19.°4/27.8 17

10 18	4 26.00	+55 25.9	1.146	1.883	26.4	20.5
10 28	4 18.18	+57 40.8	1.090	1.883	24.1	20.3
11 7	4 3.07	+59 16.0	1.047	1.882	21.9	20.1
11 17	3 42.30	+59 52.8	1.019	1.881	20.2	20.0
11 27	3 20.15	+59 19.7	1.009	1.880	19.4	20.0
12 7	3 1.61	+57 42.4	1.018	1.878	20.0	20.0
12 17	2 49.92	+55 20.0	1.044	1.876	21.6	20.1
12 27	2 45.92	+52 36.9	1.086	1.874	23.8	20.3

415646 2014 QT_{393} 11 18.9 359°.33 5°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.90	+ 4 35.3	2.009	2.868	12.1	20.7
10 28	3 54.60	+ 3 54.1	1.949	2.867	9.2	20.5
11 7	3 47.58	+ 3 19.3	1.913	2.867	6.6	20.4
11 17	3 39.55	+ 2 55.2	1.904	2.866	5.5	20.3
11 27	3 31.43	+ 2 45.3	1.923	2.867	7.0	20.4
12 7	3 24.14	+ 2 51.6	1.969	2.867	9.8	20.6
12 17	3 18.43	+ 3 14.1	2.039	2.867	12.6	20.8
12 27	3 14.82	+ 3 51.6	2.130	2.868	15.1	21.0

263579 2008 FR_{88} 11 18.9 108°.67 1°.4/18.2 17

10 18	4 1.93	+16 45.8	2.048	2.905	12.0	21.4
10 28	3 56.08	+16 21.0	1.983	2.909	8.6	21.2
11 7	3 48.42	+15 52.7	1.943	2.914	4.8	21.0
11 17	3 39.71	+15 23.3	1.931	2.918	1.5	20.7
11 27	3 30.93	+14 55.8	1.949	2.922	3.9	20.9
12 7	3 23.04	+14 33.8	1.995	2.926	7.6	21.2
12 17	3 16.82	+14 19.9	2.067	2.930	11.0	21.4
12 27	3 12.81	+14 16.0	2.163	2.934	13.9	21.6

316570 2011 QE_{67} 11 18.9 34°.76 5°.4/21.8 15

10 18	4 5.08	+33 15.1	1.431	2.268	17.2	20.7
10 28	3 59.22	+33 26.1	1.375	2.279	13.4	20.5
11 7	3 50.48	+33 15.9	1.341	2.290	9.3	20.3
11 17	3 40.07	+32 43.0	1.331	2.302	5.9	20.1
11 27	3 29.63	+31 50.1	1.346	2.315	6.0	20.1
12 7	3 20.76	+30 44.5	1.388	2.328	9.3	20.4
12 17	3 14.60	+29 35.2	1.454	2.342	13.2	20.6
12 27	3 11.78	+28 31.0	1.541	2.356	16.6	20.9

199987 2007 JL_{21} 11 18.9 132°.57 2°.5/20.7 18

10 18	4 3.29	+29 2.1	2.800	3.617	10.3	21.3
10 28	3 56.76	+29 12.5	2.732	3.629	7.8	21.1
11 7	3 48.71	+29 13.4	2.689	3.641	5.0	21.0
11 17	3 39.77	+29 4.4	2.675	3.652	2.8	20.8
11 27	3 30.78	+28 46.5	2.693	3.664	3.2	20.9
12 7	3 22.53	+28 22.3	2.740	3.674	5.7	21.1
12 17	3 15.69	+27 55.2	2.817	3.684	8.3	21.3
12 27	3 10.76	+27 29.0	2.918	3.694	10.6	21.4

173069 2006 SQ_{199} 11 18.9 143°.63 0°.4/19.2 18

10 18	4 8.00	+21 49.9	1.652	2.504	14.6	21.2
10 28	4 0.82	+21 34.6	1.590	2.512	10.6	21.0
11 7	3 51.22	+21 10.2	1.552	2.521	6.0	20.7
11 17	3 40.20	+20 37.9	1.541	2.529	1.2	20.4
11 27	3 29.13	+20 1.3	1.559	2.536	3.9	20.6
12 7	3 19.33	+19 25.6	1.605	2.543	8.5	20.9
12 17	3 11.83	+18 55.5	1.676	2.549	12.6	21.2
12 27	3 7.23	+18 35.2	1.770	2.554	16.0	21.4

447193 2005 SL_{185} 11 18.9 74°.50 0°.8/19.4 18

10 18	4 2.96	+22 36.5	1.952	2.802	12.8	21.6
10 28	3 56.96	+22 27.3	1.888	2.809	9.3	21.4
11 7	3 48.97	+22 9.9	1.848	2.816	5.3	21.2
11 17	3 39.83	+21 45.4	1.836	2.823	1.3	21.0
11 27	3 30.61	+21 16.5	1.852	2.830	3.3	21.1
12 7	3 22.38	+20 47.0	1.898	2.837	7.3	21.4
12 17	3 16.00	+20 21.1	1.970	2.844	10.9	21.6
12 27	3 12.02	+20 2.2	2.065	2.851	14.0	21.8

381388 2008 GR_{32} 11 18.9 125°.68 0°.9/18.6 18

10 18	4 8.30	+17 33.3	1.812	2.663	13.6	21.5
10 28	4 0.75	+17 24.5	1.756	2.679	9.7	21.3
11 7	3 51.06	+17 11.6	1.725	2.695	5.4	21.1
11 17	3 40.17	+16 56.0	1.722	2.710	1.2	20.8
11 27	3 29.31	+16 40.5	1.749	2.724	4.0	21.1
12 7	3 19.63	+16 28.4	1.805	2.738	8.2	21.3
12 17	3 12.04	+16 22.7	1.888	2.751	11.9	21.6
12 27	3 7.09	+16 25.6	1.993	2.764	15.0	21.8

439663 2014 HK_{82} 11 18.9 358°.47 5°.3/16.1 18

10 18	4 0.33	+10 33.9	1.438	2.316	14.8	20.3
10 28	3 55.48	+ 9 13.6	1.380	2.314	10.9	20.1
11 7	3 48.29	+ 7 53.3	1.346	2.313	7.1	19.9
11 17	3 39.73	+ 6 40.4	1.337	2.312	5.3	19.8
11 27	3 31.08	+ 5 42.5	1.354	2.312	7.7	19.9
12 7	3 23.59	+ 5 5.1	1.397	2.312	11.6	20.2
12 17	3 18.23	+ 4 50.4	1.462	2.314	15.4	20.4
12 27	3 15.62	+ 4 57.9	1.546	2.315	18.6	20.6

300611 2007 TB_{452} 11 18.9 51°.92 1°.6/19.7 18

10 18	4 4.51	+24 25.7	1.582	2.437	15.0	20.5
10 28	3 58.40	+24 20.7	1.527	2.449	11.0	20.2
11 7	3 49.88	+24 4.4	1.494	2.461	6.5	20.0
11 17	3 39.99	+23 37.6	1.488	2.474	2.1	19.8
11 27	3 30.08	+23 3.5	1.509	2.487	3.9	19.9
12 7	3 21.47	+22 27.2	1.558	2.500	8.3	20.2
12 17	3 15.14	+21 54.3	1.631	2.513	12.4	20.5
12 27	3 11.69	+21 29.2	1.727	2.527	15.7	20.8

396774 2003 YH_{24} 11 18.9 316°.24 5°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.26	+ 5 52.5	1.663	2.523	14.1	20.0
10 28	3 58.89	+ 5 47.7	1.594	2.516	10.6	19.8
11 7	3 50.21	+ 5 50.8	1.549	2.509	7.1	19.6
11 17	3 40.07	+ 6 5.0	1.530	2.503	5.1	19.4
11 27	3 29.67	+ 6 32.8	1.539	2.497	6.9	19.5
12 7	3 20.28	+ 7 14.7	1.575	2.491	10.5	19.7
12 17	3 12.89	+ 8 10.1	1.636	2.485	14.2	19.9
12 27	3 8.21	+ 9 17.0	1.718	2.480	17.3	20.2

52237 1979 OW_{2} 11 18.9 133°.72 4°.0/21.8 18

10 18	4 6.43	+34 3.8	2.315	3.118	12.6	19.3
10 28	3 59.28	+33 58.1	2.247	3.132	9.8	19.2
11 7	3 50.19	+33 36.7	2.204	3.145	6.8	19.0
11 17	3 40.05	+32 59.1	2.189	3.157	4.4	18.9
11 27	3 29.92	+32 7.4	2.204	3.169	4.5	18.9
12 7	3 20.86	+31 6.2	2.248	3.180	6.8	19.1
12 17	3 13.68	+30 1.4	2.321	3.191	9.7	19.3
12 27	3 8.89	+28 59.0	2.418	3.201	12.3	19.5

405448 2004 TM_{99} 11 18.9 96°.97 2°.2/17.5 18

10 18	4 1.07	+14 29.9	2.233	3.089	11.1	21.5
10 28	3 55.25	+13 47.9	2.178	3.103	8.0	21.3
11 7	3 47.88	+13 4.0	2.148	3.118	4.6	21.1
11 17	3 39.66	+12 21.6	2.148	3.132	2.2	21.0
11 27	3 31.48	+11 44.2	2.178	3.146	4.2	21.2
12 7	3 24.16	+11 15.0	2.236	3.159	7.4	21.4
12 17	3 18.36	+10 56.2	2.321	3.173	10.4	21.6
12 27	3 14.54	+10 49.0	2.430	3.186	13.0	21.8

307805 2003 WQ_{145} 11 18.9 65°.78 3°.4/20.2 18

10 18	4 8.80	+26 32.1	1.652	2.493	15.1	20.0
10 28	4 1.62	+27 18.5	1.593	2.505	11.3	19.8
11 7	3 51.79	+27 53.7	1.557	2.516	7.2	19.6
11 17	3 40.35	+28 15.2	1.548	2.528	3.7	19.4
11 27	3 28.72	+28 23.0	1.567	2.540	4.7	19.5
12 7	3 18.38	+28 20.0	1.614	2.552	8.5	19.8
12 17	3 10.44	+28 11.4	1.686	2.564	12.3	20.0
12 27	3 5.60	+28 2.7	1.781	2.576	15.5	20.3

225465 2000 EU_{144} 11 18.9 233°.32 0°.2/19.1 18

10 18	4 5.65	+21 45.6	1.792	2.643	13.7	21.3
10 28	3 59.21	+21 21.8	1.711	2.633	10.0	21.0
11 7	3 50.42	+20 48.7	1.654	2.623	5.7	20.7
11 17	3 40.13	+20 7.7	1.624	2.612	1.0	20.4
11 27	3 29.57	+19 22.4	1.623	2.600	3.8	20.6
12 7	3 20.00	+18 37.9	1.651	2.589	8.4	20.8
12 17	3 12.46	+17 59.5	1.705	2.576	12.5	21.1
12 27	3 7.66	+17 31.6	1.781	2.563	16.0	21.3

107082 2001 AK_{24} 11 18.9 239°.16 1°.1/18.6 18

10 18	4 7.75	+17 1.7	1.583	2.442	14.7	20.2
10 28	4 0.97	+16 59.8	1.506	2.433	10.7	19.9
11 7	3 51.53	+16 54.1	1.453	2.423	6.1	19.6
11 17	3 40.33	+16 45.9	1.426	2.414	1.4	19.3
11 27	3 28.76	+16 38.0	1.427	2.403	4.5	19.5
12 7	3 18.26	+16 33.5	1.457	2.392	9.5	19.7
12 17	3 10.03	+16 36.0	1.511	2.381	13.9	20.0
12 27	3 4.85	+16 48.0	1.587	2.370	17.6	20.2

148502 2001 MM_{18} 11 18.9 61°.49 3°.7/17.5 18

10 18	4 6.49	+12 43.4	1.301	2.174	16.4	19.5
10 28	3 59.80	+12 5.0	1.264	2.197	11.8	19.3
11 7	3 50.61	+11 27.4	1.250	2.220	6.9	19.1
11 17	3 40.13	+10 55.1	1.261	2.244	3.7	19.0
11 27	3 29.88	+10 33.0	1.299	2.268	6.3	19.2
12 7	3 21.22	+10 24.7	1.363	2.291	10.7	19.5
12 17	3 15.10	+10 31.4	1.450	2.315	14.7	19.9
12 27	3 12.03	+10 53.0	1.556	2.339	18.0	20.1

402050 2003 SZ_{311} 11 18.9 39°.89 9°.8/25.4 17

10 18	4 9.03	+46 24.8	1.879	2.636	16.8	20.8
10 28	4 2.11	+47 22.6	1.825	2.652	14.4	20.6
11 7	3 52.18	+47 54.9	1.791	2.669	12.0	20.5
11 17	3 40.43	+47 56.7	1.779	2.686	10.3	20.5
11 27	3 28.56	+47 27.3	1.792	2.704	9.8	20.5
12 7	3 18.25	+46 31.4	1.829	2.722	10.7	20.6
12 17	3 10.74	+45 17.6	1.891	2.741	12.5	20.7
12 27	3 6.71	+43 55.9	1.976	2.760	14.6	20.9

231669 1993 FC_{50} 11 18.9 235°.15 7°.1/14.0 18

10 18	4 1.41	+ 3 6.8	1.908	2.764	12.7	20.2
10 28	3 55.82	+ 1 29.6	1.844	2.757	10.0	20.0
11 7	3 48.36	− 0 2.0	1.806	2.750	7.7	19.8
11 17	3 39.78	− 1 20.9	1.794	2.743	7.2	19.8
11 27	3 31.08	− 2 20.4	1.811	2.735	8.9	19.9
12 7	3 23.25	− 2 56.6	1.854	2.727	11.6	20.0
12 17	3 17.09	− 3 8.4	1.920	2.719	14.4	20.2
12 27	3 13.18	− 2 57.4	2.005	2.710	16.9	20.4

442503 2011 WK_{16} 11 18.9 45°.56 4°.4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.31	+ 7 48.4	1.431	2.296	15.7	20.4
10 28	4 0.21	+ 7 55.1	1.395	2.322	11.4	20.3
11 7	3 50.79	+ 8 8.6	1.383	2.348	7.1	20.1
11 17	3 40.18	+ 8 31.2	1.396	2.375	4.5	20.0
11 27	3 29.76	+ 9 4.0	1.437	2.402	6.4	20.2
12 7	3 20.81	+ 9 47.2	1.505	2.430	10.2	20.5
12 17	3 14.23	+10 39.7	1.597	2.457	13.9	20.8
12 27	3 10.54	+11 40.1	1.711	2.486	16.9	21.0

342213 2008 SD_{244} 11 18.9 149°.63 3°.5/20.7 18

10 18	4 7.59	+29 17.5	1.809	2.640	14.4	21.2
10 28	4 0.62	+29 28.9	1.740	2.645	11.0	21.0
11 7	3 51.19	+29 26.2	1.695	2.650	7.1	20.8
11 17	3 40.28	+29 8.1	1.676	2.654	3.9	20.6
11 27	3 29.21	+28 36.2	1.686	2.659	4.5	20.7
12 7	3 19.34	+27 55.2	1.724	2.662	8.1	20.9
12 17	3 11.69	+27 11.4	1.789	2.666	11.7	21.1
12 27	3 6.94	+26 31.1	1.876	2.669	14.9	21.3

267246 2001 OE_{68} 11 18.9 71°.74 7°.7/23.3 18

10 18	4 14.40	+39 3.3	1.477	2.279	18.5	20.3
10 28	4 5.78	+39 31.8	1.438	2.312	14.9	20.1
11 7	3 54.05	+39 33.6	1.419	2.344	11.2	20.0
11 17	3 40.72	+39 5.3	1.424	2.377	8.3	19.9
11 27	3 27.73	+38 9.6	1.456	2.409	7.9	20.0
12 7	3 16.84	+36 54.7	1.514	2.440	10.0	20.2
12 17	3 9.16	+35 31.7	1.598	2.472	13.1	20.4
12 27	3 5.17	+34 11.1	1.703	2.502	16.0	20.7

3049 Kuzbass 11 18.9 145°.91 0°.6/18.6 18

10 18	4 0.99	+18 19.3	2.623	3.469	10.0	17.4
10 28	3 55.13	+18 1.9	2.555	3.476	7.1	17.3
11 7	3 47.83	+17 40.8	2.513	3.483	4.0	17.1
11 17	3 39.72	+17 17.5	2.501	3.489	0.8	16.8
11 27	3 31.55	+16 54.1	2.520	3.495	2.9	17.0
12 7	3 24.08	+16 33.4	2.568	3.500	6.1	17.2
12 17	3 17.94	+16 17.7	2.645	3.506	9.0	17.4
12 27	3 13.59	+16 8.9	2.746	3.510	11.4	17.6

79773 1998 UW_{12} 11 18.9 71°.45 0°.9/18.6 18

10 18	4 7.76	+19 15.8	1.373	2.238	16.2	19.2
10 28	4 0.68	+18 43.9	1.333	2.263	11.6	19.0
11 7	3 51.11	+18 4.9	1.317	2.289	6.4	18.8
11 17	3 40.25	+17 22.1	1.326	2.314	1.3	18.5
11 27	3 29.64	+16 40.6	1.363	2.339	4.6	18.8
12 7	3 20.66	+16 5.9	1.426	2.364	9.4	19.2
12 17	3 14.23	+15 42.3	1.514	2.389	13.6	19.5
12 27	3 10.87	+15 32.1	1.623	2.413	17.0	19.8

177026 2003 BP_{82} 11 18.9 8°.21 6°.2/16.8 18

10 18	4 3.21	+ 3 51.5	1.600	2.463	14.4	19.4
10 28	3 57.38	+ 3 32.5	1.543	2.464	11.0	19.2
11 7	3 49.34	+ 3 23.2	1.509	2.465	7.8	19.0
11 17	3 39.99	+ 3 27.7	1.500	2.467	6.2	18.9
11 27	3 30.53	+ 3 49.0	1.519	2.469	7.9	19.0
12 7	3 22.14	+ 4 27.7	1.563	2.472	11.1	19.2
12 17	3 15.76	+ 5 22.4	1.632	2.476	14.5	19.4
12 27	3 12.02	+ 6 30.5	1.721	2.480	17.4	19.7

371368 2006 QD_{1} 11 18.9 59°.30 7°.8/23.2 18

10 18	4 11.00	+38 19.1	1.222	2.046	20.4	20.1
10 28	4 3.84	+38 32.0	1.179	2.068	16.3	19.9
11 7	3 53.17	+38 14.9	1.154	2.090	12.0	19.7
11 17	3 40.61	+37 24.9	1.152	2.113	8.6	19.6
11 27	3 28.34	+36 5.8	1.175	2.136	8.1	19.7
12 7	3 18.30	+34 28.5	1.222	2.159	10.8	19.9
12 17	3 11.72	+32 46.3	1.294	2.182	14.5	20.2
12 27	3 9.09	+31 11.1	1.386	2.205	17.9	20.5

253446 2003 RU_{10} 11 18.9 65°.54 3°.1/17.0 18

10 18	4 9.20	+20 51.6	1.179	2.048	18.0	19.0
10 28	4 1.63	+18 14.5	1.146	2.079	12.7	18.8
11 7	3 51.50	+15 25.8	1.137	2.110	7.0	18.6
11 17	3 40.30	+12 38.5	1.156	2.141	3.1	18.5
11 27	3 29.71	+10 7.3	1.203	2.171	6.7	18.8
12 7	3 21.12	+ 8 4.0	1.277	2.202	11.7	19.2
12 17	3 15.38	+ 6 33.6	1.375	2.232	15.9	19.5
12 27	3 12.81	+ 5 36.1	1.493	2.262	19.2	19.8

517042 2013 AU_{23} 11 18.9 196°.59 4°.5/16.4 18

10 18	4 3.03	+ 5 21.7	2.433	3.278	10.7	22.3
10 28	3 56.67	+ 4 51.2	2.362	3.275	8.1	22.1
11 7	3 48.74	+ 4 25.6	2.318	3.272	5.6	22.0
11 17	3 39.90	+ 4 7.9	2.303	3.268	4.5	21.9
11 27	3 30.93	+ 4 1.1	2.317	3.263	5.9	22.0
12 7	3 22.67	+ 4 6.7	2.361	3.258	8.4	22.1
12 17	3 15.79	+ 4 25.3	2.431	3.252	11.1	22.3
12 27	3 10.82	+ 4 56.2	2.524	3.246	13.4	22.4

21561 Masterman 11 18.9 17°.05 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.13	+16 30.8	1.384	2.252	15.9	16.3
10 28	4 0.68	+17 18.1	1.326	2.257	11.5	16.1
11 7	3 51.41	+18 4.8	1.290	2.262	6.5	15.8
11 17	3 40.37	+18 49.5	1.281	2.269	1.1	15.5
11 27	3 29.08	+19 31.7	1.299	2.277	4.4	15.7
12 7	3 19.12	+20 12.0	1.343	2.285	9.5	16.1
12 17	3 11.68	+20 52.2	1.412	2.294	13.9	16.3
12 27	3 7.53	+21 34.4	1.502	2.304	17.6	16.6

300624 2007 UR_{33} 11 18.9 26°.04 9°.8/21.9 18

10 18	4 12.61	+37 28.0	1.385	2.200	18.9	19.3
10 28	4 5.48	+39 24.7	1.331	2.210	15.6	19.1
11 7	3 54.52	+41 0.1	1.298	2.220	12.3	18.9
11 17	3 40.93	+42 4.9	1.289	2.232	10.1	18.8
11 27	3 26.78	+42 34.6	1.305	2.244	10.1	18.9
12 7	3 14.30	+42 32.5	1.344	2.258	12.2	19.0
12 17	3 5.19	+42 7.5	1.407	2.272	15.1	19.3
12 27	3 0.41	+41 31.2	1.489	2.286	18.0	19.5

492947 2014 SY_{32} 11 18.9 3°.01 4°.5/16.1 18

10 18	3 59.27	+ 9 9.6	1.953	2.818	12.1	21.1
10 28	3 54.25	+ 8 6.6	1.892	2.818	8.9	20.9
11 7	3 47.48	+ 7 5.2	1.855	2.818	5.9	20.8
11 17	3 39.69	+ 6 10.6	1.846	2.818	4.5	20.7
11 27	3 31.82	+ 5 27.8	1.866	2.819	6.3	20.8
12 7	3 24.82	+ 5 0.2	1.912	2.820	9.4	21.0
12 17	3 19.42	+ 4 49.5	1.983	2.821	12.5	21.2
12 27	3 16.16	+ 4 55.7	2.075	2.822	15.2	21.4

293293 2007 DL_{15} 11 18.9 172°.13 0°.2/18.9 18

10 18	4 1.52	+19 32.3	2.975	3.815	9.1	22.2
10 28	3 55.40	+19 19.4	2.901	3.818	6.6	22.0
11 7	3 47.97	+19 2.3	2.853	3.822	3.7	21.8
11 17	3 39.77	+18 42.3	2.836	3.824	0.6	21.6
11 27	3 31.49	+18 21.0	2.850	3.826	2.5	21.8
12 7	3 23.83	+18 0.8	2.896	3.828	5.5	22.0
12 17	3 17.37	+17 44.0	2.970	3.829	8.2	22.1
12 27	3 12.54	+17 32.6	3.069	3.829	10.4	22.3

480445 2015 KF_{143} 11 18.9 166°.65 0°.7/19.4 18

10 18	4 6.45	+22 54.5	1.940	2.784	13.1	22.3
10 28	3 59.53	+22 36.4	1.870	2.789	9.5	22.1
11 7	3 50.49	+22 9.0	1.825	2.793	5.5	21.9
11 17	3 40.20	+21 33.6	1.809	2.796	1.3	21.6
11 27	3 29.82	+20 53.2	1.822	2.799	3.4	21.8
12 7	3 20.50	+20 12.6	1.864	2.801	7.6	22.0
12 17	3 13.12	+19 36.3	1.933	2.803	11.3	22.3
12 27	3 8.30	+19 8.4	2.025	2.804	14.5	22.5

324193 2006 AJ_{67} 11 18.9 9°.79 3°.4/17.4 17

10 18	3 58.86	+13 15.5	1.390	2.271	15.0	19.9
10 28	3 54.50	+12 36.7	1.338	2.275	10.8	19.7
11 7	3 47.81	+11 57.3	1.308	2.280	6.4	19.5
11 17	3 39.75	+11 21.9	1.303	2.286	3.4	19.3
11 27	3 31.63	+10 55.8	1.324	2.294	6.0	19.5
12 7	3 24.71	+10 42.8	1.370	2.303	10.3	19.8
12 17	3 19.94	+10 45.0	1.440	2.313	14.3	20.0
12 27	3 17.92	+11 2.7	1.529	2.324	17.7	20.3

323297 2003 UX_{7} 11 18.9 90°.28 2°.2/20.2 18

10 18	4 4.59	+26 15.1	2.323	3.154	11.7	20.6
10 28	3 57.94	+26 35.1	2.262	3.170	8.7	20.5
11 7	3 49.51	+26 46.2	2.225	3.185	5.4	20.3
11 17	3 40.04	+26 47.7	2.218	3.199	2.5	20.1
11 27	3 30.50	+26 40.8	2.240	3.214	3.3	20.2
12 7	3 21.85	+26 28.0	2.292	3.229	6.4	20.4
12 17	3 14.87	+26 12.8	2.372	3.243	9.5	20.7
12 27	3 10.09	+25 59.1	2.476	3.257	12.1	20.9

141543 2002 GX_{22} 11 18.9 219°.68 1°.2/19.6 17

10 18	4 7.01	+24 31.1	1.574	2.425	15.2	20.6
10 28	4 0.47	+24 6.5	1.498	2.419	11.2	20.4
11 7	3 51.25	+23 28.5	1.446	2.414	6.6	20.1
11 17	3 40.36	+22 38.4	1.420	2.407	1.8	19.8
11 27	3 29.23	+21 40.3	1.423	2.401	4.1	19.9
12 7	3 19.32	+20 40.9	1.453	2.394	9.0	20.2
12 17	3 11.79	+19 47.1	1.509	2.387	13.5	20.5
12 27	3 7.36	+19 4.7	1.586	2.379	17.2	20.7

44681 1999 RZ_{195} 11 18.9 46°.17 0°.3/19.2 18

10 18	4 4.99	+23 28.1	1.160	2.033	18.0	18.2
10 28	3 59.24	+22 40.8	1.114	2.047	13.0	18.0
11 7	3 50.54	+21 38.8	1.089	2.061	7.4	17.7
11 17	3 40.21	+20 26.2	1.087	2.076	1.4	17.4
11 27	3 30.02	+19 10.9	1.112	2.091	4.7	17.6
12 7	3 21.59	+18 1.9	1.162	2.107	10.2	18.0
12 17	3 16.01	+17 6.5	1.235	2.123	15.0	18.3
12 27	3 13.83	+16 29.2	1.327	2.139	18.9	18.6

205377 2001 BR_9 11 18.9 357°.74 14°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.64	−10 24.0	1.189	2.041	19.1	19.3
10 28	3 56.06	−11 36.8	1.147	2.036	16.7	19.1
11 7	3 48.80	−12 21.1	1.124	2.032	15.1	19.0
11 17	3 39.95	−12 27.2	1.120	2.030	14.8	19.0
11 27	3 31.00	−11 50.0	1.137	2.029	16.0	19.1
12 7	3 23.41	−10 31.2	1.174	2.030	18.2	19.2
12 17	3 18.27	− 8 37.7	1.230	2.032	20.7	19.4
12 27	3 16.23	− 6 19.1	1.301	2.036	23.1	19.6

282716 2006 BV_{257} 11 18.9 75°.91 1°.4/18.4 18

10 18	4 6.55	+16 56.4	1.590	2.451	14.6	20.3
10 28	3 59.65	+16 39.8	1.545	2.473	10.4	20.1
11 7	3 50.53	+16 19.4	1.523	2.495	5.8	19.9
11 17	3 40.21	+15 57.6	1.529	2.516	1.5	19.6
11 27	3 30.01	+15 37.9	1.563	2.538	4.4	19.9
12 7	3 21.15	+15 23.9	1.625	2.559	8.8	20.2
12 17	3 14.53	+15 18.4	1.712	2.580	12.6	20.5
12 27	3 10.67	+15 23.3	1.820	2.601	15.8	20.7

454700 2014 SP_{91} 11 18.9 106°.76 0°.2/18.8 18

10 18	4 1.80	+20 13.0	2.427	3.273	10.7	21.9
10 28	3 55.75	+19 47.7	2.368	3.289	7.7	21.7
11 7	3 48.19	+19 16.9	2.336	3.305	4.3	21.5
11 17	3 39.82	+18 42.5	2.332	3.320	0.7	21.3
11 27	3 31.47	+18 7.3	2.359	3.336	2.9	21.5
12 7	3 23.95	+17 34.5	2.417	3.351	6.3	21.7
12 17	3 17.90	+17 7.2	2.501	3.365	9.3	21.9
12 27	3 13.78	+16 47.6	2.610	3.380	11.8	22.1

369713 2012 DB_{50} 11 19.0 160°.28 3°.5/16.4 18

10 18	3 59.43	+ 8 9.8	2.822	3.672	9.3	22.1
10 28	3 53.90	+ 7 26.7	2.759	3.677	6.8	21.9
11 7	3 47.12	+ 6 45.8	2.723	3.682	4.5	21.8
11 17	3 39.65	+ 6 10.2	2.717	3.687	3.5	21.7
11 27	3 32.15	+ 5 42.6	2.741	3.691	4.8	21.8
12 7	3 25.26	+ 5 25.3	2.794	3.695	7.1	22.0
12 17	3 19.52	+ 5 19.3	2.874	3.698	9.5	22.2
12 27	3 15.37	+ 5 24.7	2.977	3.701	11.5	22.3

321536 2009 SP_{270} 11 19.0 154°.15 2°.9/20.7 18

10 18	4 5.10	+28 59.6	2.559	3.377	11.1	21.0
10 28	3 58.31	+29 21.5	2.485	3.383	8.4	20.8
11 7	3 49.75	+29 33.5	2.437	3.389	5.5	20.6
11 17	3 40.12	+29 34.5	2.418	3.394	3.1	20.5
11 27	3 30.33	+29 25.2	2.429	3.399	3.6	20.5
12 7	3 21.33	+29 8.1	2.470	3.403	6.2	20.7
12 17	3 13.89	+28 46.7	2.539	3.407	9.0	20.9
12 27	3 8.57	+28 25.2	2.633	3.411	11.5	21.1

195916 2002 RJ_{78} 11 19.0 15°.00 7°.2/13.8 18

10 18	3 58.38	− 0 40.1	2.233	3.081	11.5	19.8
10 28	3 53.41	− 1 58.7	2.179	3.082	9.2	19.7
11 7	3 46.95	− 3 8.3	2.151	3.082	7.5	19.6
11 17	3 39.64	− 4 3.5	2.150	3.083	7.2	19.5
11 27	3 32.27	− 4 39.6	2.176	3.085	8.5	19.6
12 7	3 25.64	− 4 54.7	2.228	3.086	10.6	19.8
12 17	3 20.41	− 4 48.7	2.303	3.087	12.8	19.9
12 27	3 17.03	− 4 23.6	2.398	3.089	14.8	20.1

224829 2006 WD_{80} 11 19.0 313°.73 0°.9/19.4 18

10 18	4 5.14	+22 33.1	1.349	2.215	16.4	20.6
10 28	3 59.49	+22 27.0	1.278	2.207	12.1	20.3
11 7	3 50.88	+22 9.9	1.229	2.199	7.0	20.0
11 17	3 40.34	+21 42.5	1.205	2.192	1.7	19.6
11 27	3 29.45	+21 8.3	1.206	2.185	4.4	19.8
12 7	3 19.84	+20 33.1	1.234	2.178	9.8	20.1
12 17	3 12.83	+20 3.2	1.286	2.172	14.7	20.4
12 27	3 9.21	+19 43.8	1.357	2.166	18.8	20.6

413277 2003 UP_{58} 11 19.0 78°.39 3°.8/21.4 18

10 18	4 5.49	+31 55.3	2.267	3.081	12.5	20.9
10 28	3 58.64	+32 13.0	2.213	3.104	9.6	20.7
11 7	3 49.91	+32 17.3	2.182	3.127	6.6	20.6
11 17	3 40.13	+32 7.2	2.179	3.150	4.2	20.5
11 27	3 30.37	+31 44.0	2.206	3.172	4.3	20.5
12 7	3 21.65	+31 11.5	2.262	3.194	6.8	20.7
12 17	3 14.76	+30 34.2	2.345	3.216	9.5	20.9
12 27	3 10.23	+29 57.5	2.452	3.238	12.0	21.1

500285 2012 PG_{18} 11 19.0 97°.06 21°.1/10.9 17

10 18	4 8.72	−20 57.0	1.073	1.882	23.6	20.5
10 28	4 1.89	−23 16.3	1.057	1.891	22.0	20.5
11 7	3 51.99	−24 50.2	1.057	1.900	21.2	20.5
11 17	3 40.48	−25 27.0	1.074	1.910	21.3	20.5
11 27	3 29.21	−25 2.2	1.107	1.919	22.2	20.6
12 7	3 19.87	−23 41.1	1.155	1.927	23.7	20.8
12 17	3 13.57	−21 34.5	1.218	1.936	25.3	20.9
12 27	3 10.83	−18 55.5	1.292	1.944	26.8	21.1

270666 2002 PQ_{189} 11 19.0 68°.13 6°.8/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.78	+41 41.7	2.277	3.049	13.7	20.9
10 28	3 59.19	+42 6.7	2.210	3.059	11.4	20.8
11 7	3 50.37	+42 12.1	2.164	3.069	9.0	20.6
11 17	3 40.24	+41 55.4	2.144	3.078	7.2	20.5
11 27	3 30.02	+41 17.0	2.151	3.088	6.9	20.5
12 7	3 20.93	+40 21.0	2.186	3.098	8.2	20.6
12 17	3 13.90	+39 13.7	2.247	3.108	10.3	20.8
12 27	3 9.53	+38 2.6	2.332	3.118	12.6	21.0

449250 2013 CH_{202} 11 19.0 168°.35 3°.4/16.9 18

10 18	4 2.13	+ 9 44.3	2.406	3.257	10.6	22.0
10 28	3 56.03	+ 9 7.7	2.340	3.261	7.8	21.9
11 7	3 48.40	+ 8 32.7	2.301	3.264	4.9	21.7
11 17	3 39.91	+ 8 2.4	2.291	3.267	3.4	21.6
11 27	3 31.35	+ 7 39.9	2.312	3.269	5.0	21.7
12 7	3 23.53	+ 7 27.5	2.361	3.271	7.8	21.9
12 17	3 17.12	+ 7 26.6	2.438	3.273	10.6	22.1
12 27	3 12.61	+ 7 37.4	2.537	3.274	13.0	22.3

186715 2004 BW_{91} 11 19.0 269°.86 0°.3/18.9 18

10 18	4 5.11	+21 10.3	1.523	2.384	15.1	20.7
10 28	3 59.24	+20 35.3	1.441	2.369	11.0	20.5
11 7	3 50.67	+19 49.3	1.383	2.354	6.3	20.1
11 17	3 40.33	+18 54.7	1.351	2.339	1.1	19.8
11 27	3 29.62	+17 56.5	1.346	2.324	4.4	20.0
12 7	3 20.01	+17 1.3	1.369	2.308	9.6	20.2
12 17	3 12.70	+16 15.7	1.416	2.292	14.3	20.5
12 27	3 8.48	+15 44.4	1.484	2.277	18.2	20.7

351027 2003 SS_{55} 11 19.0 25°.52 6°.6/15.6 18

10 18	3 59.44	+10 22.4	1.132	2.023	17.0	19.4
10 28	3 55.05	+ 8 33.2	1.098	2.038	12.4	19.2
11 7	3 48.12	+ 6 47.0	1.086	2.053	8.2	19.0
11 17	3 39.85	+ 5 14.1	1.097	2.071	6.6	19.0
11 27	3 31.74	+ 4 4.2	1.133	2.089	9.1	19.2
12 7	3 25.15	+ 3 22.7	1.192	2.109	13.1	19.5
12 17	3 21.01	+ 3 10.0	1.272	2.129	16.9	19.8
12 27	3 19.82	+ 3 23.5	1.370	2.151	20.1	20.0

386081 2007 KH_1 11 19.0 276°.37 2°.2/18.0 18

10 18	4 4.46	+15 30.4	1.611	2.476	14.2	21.2
10 28	3 58.59	+15 4.6	1.532	2.462	10.3	20.9
11 7	3 50.24	+14 35.2	1.476	2.447	5.9	20.7
11 17	3 40.26	+14 5.1	1.447	2.433	2.2	20.4
11 27	3 29.92	+13 38.6	1.446	2.419	5.1	20.5
12 7	3 20.56	+13 19.9	1.472	2.404	9.7	20.8
12 17	3 13.30	+13 12.5	1.522	2.390	14.0	21.0
12 27	3 8.89	+13 18.5	1.593	2.375	17.6	21.2

336605 2009 UM_5 11 19.0 324°.89 1°.7/18.1 18

10 18	4 0.59	+20 32.5	1.231	2.110	16.7	19.4
10 28	3 56.34	+19 17.1	1.156	2.094	12.1	19.1
11 7	3 49.16	+17 46.3	1.104	2.078	6.8	18.7
11 17	3 40.08	+16 5.8	1.076	2.063	1.8	18.4
11 27	3 30.66	+14 25.4	1.073	2.049	5.7	18.6
12 7	3 22.52	+12 55.9	1.096	2.036	11.4	18.8
12 17	3 16.93	+11 45.8	1.141	2.023	16.5	19.1
12 27	3 14.68	+11 0.2	1.205	2.012	20.8	19.3

115198 2003 SQ_{110} 11 19.0 95°.24 2°.7/20.3 18

10 18	4 6.34	+26 41.0	1.760	2.601	14.3	19.9
10 28	3 59.75	+26 54.5	1.694	2.607	10.7	19.7
11 7	3 50.76	+26 56.2	1.653	2.614	6.7	19.5
11 17	3 40.33	+26 45.3	1.638	2.620	3.1	19.3
11 27	3 29.74	+26 23.4	1.651	2.626	4.1	19.4
12 7	3 20.32	+25 54.7	1.693	2.633	8.0	19.6
12 17	3 13.09	+25 24.7	1.760	2.639	11.8	19.9
12 27	3 8.69	+24 58.6	1.850	2.645	15.0	20.1

275554 1999 NU_{38} 11 19.0 66°.50 2°.1/18.2 18

10 18	4 8.99	+15 2.4	1.520	2.380	15.2	20.0
10 28	4 1.26	+14 44.6	1.489	2.416	10.8	19.9
11 7	3 51.35	+14 25.1	1.482	2.452	6.0	19.7
11 17	3 40.40	+14 6.6	1.502	2.488	2.2	19.5
11 27	3 29.77	+13 52.5	1.550	2.523	4.8	19.8
12 7	3 20.69	+13 46.0	1.626	2.558	9.0	20.1
12 17	3 13.98	+13 48.9	1.728	2.592	12.8	20.4
12 27	3 10.09	+14 2.3	1.851	2.626	15.8	20.7

255430 2005 XC_{77} 11 19.0 338°.80 0°.7/19.4 18

10 18	4 2.08	+22 29.3	1.890	2.743	13.0	20.8
10 28	3 56.56	+22 20.1	1.816	2.739	9.5	20.6
11 7	3 48.94	+22 2.6	1.767	2.736	5.5	20.4
11 17	3 40.04	+21 37.7	1.745	2.733	1.3	20.1
11 27	3 30.95	+21 8.2	1.752	2.730	3.4	20.2
12 7	3 22.80	+20 38.1	1.787	2.728	7.6	20.5
12 17	3 16.49	+20 11.7	1.848	2.725	11.4	20.7
12 27	3 12.65	+19 52.6	1.932	2.723	14.6	20.9