296615 2009 SL_{21} 11 12.9 194.°34 2.°6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.75	+28 10.3	2.356	3.145	12.9	20.8
10 18	3 33.82	+28 2.6	2.269	3.144	10.2	20.6
10 28	3 26.89	+27 42.0	2.206	3.144	7.1	20.4
11 7	3 18.59	+27 8.6	2.169	3.143	4.0	20.2
11 17	3 9.79	+26 23.8	2.161	3.141	2.7	20.1
11 27	3 1.45	+25 31.6	2.182	3.140	5.2	20.3
12 7	2 54.44	+24 37.0	2.233	3.139	8.4	20.5
12 17	2 49.38	+23 45.1	2.309	3.137	11.3	20.7

22376 1993 TX_{38} 11 12.9 91.°06 2.°8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.80	+10 35.4	2.228	3.057	12.3	19.0
10 18	3 32.93	+10 8.6	2.157	3.062	9.3	18.8
10 28	3 26.22	+ 9 40.5	2.110	3.066	6.1	18.6
11 7	3 18.32	+ 9 14.2	2.091	3.071	3.2	18.5
11 17	3 9.99	+ 8 53.0	2.100	3.076	3.6	18.5
11 27	3 2.13	+ 8 39.9	2.139	3.081	6.6	18.7
12 7	2 55.52	+ 8 37.0	2.205	3.086	9.7	18.9
12 17	2 50.71	+ 8 45.5	2.296	3.091	12.5	19.1

71222 1999 YQ_{9} 11 12.9 333.°44 5.°8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.92	+33 35.0	1.957	2.736	15.5	18.7
10 18	3 35.46	+34 14.0	1.868	2.727	12.9	18.5
10 28	3 28.34	+34 37.0	1.801	2.719	9.8	18.3
11 7	3 19.27	+34 40.8	1.757	2.711	7.1	18.1
11 17	3 9.30	+34 24.2	1.739	2.703	5.8	18.0
11 27	2 59.79	+33 49.8	1.749	2.696	7.3	18.1
12 7	2 51.95	+33 3.3	1.785	2.690	10.2	18.3
12 17	2 46.64	+32 11.9	1.845	2.683	13.3	18.4

159740 2003 EG_{48} 11 12.9 234.°62 1.°0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.46	+19 19.1	1.900	2.722	14.3	20.9
10 18	3 35.47	+18 22.2	1.809	2.711	11.0	20.6
10 28	3 28.11	+17 13.2	1.742	2.700	7.0	20.4
11 7	3 19.12	+15 55.6	1.702	2.688	2.7	20.1
11 17	3 9.46	+14 34.5	1.692	2.676	2.4	20.0
11 27	3 0.29	+13 16.9	1.710	2.664	6.8	20.3
12 7	2 52.67	+12 9.4	1.757	2.651	11.0	20.5
12 17	2 47.30	+11 16.9	1.827	2.637	14.6	20.7

299683 2006 QW_{81} 11 12.9 94.°62 2.°5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.92	+25 16.9	1.920	2.725	14.9	20.6
10 18	3 36.60	+25 31.2	1.844	2.730	11.6	20.4
10 28	3 28.83	+25 33.8	1.790	2.736	7.9	20.2
11 7	3 19.38	+25 24.1	1.763	2.741	4.2	20.0
11 17	3 9.29	+25 3.0	1.763	2.746	2.8	19.9
11 27	2 59.79	+24 34.1	1.793	2.751	6.0	20.1
12 7	2 51.93	+24 2.6	1.849	2.757	9.7	20.4
12 17	2 46.47	+23 33.7	1.930	2.762	13.1	20.6

51546 2001 FU_{159} 11 12.9 123.°96 3.°1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.08	+13 16.5	1.632	2.468	15.7	19.8
10 18	3 36.70	+12 20.3	1.569	2.478	11.9	19.6
10 28	3 28.84	+11 18.6	1.529	2.488	7.6	19.3
11 7	3 19.35	+10 16.5	1.515	2.498	3.7	19.1
11 17	3 9.36	+ 9 20.0	1.529	2.507	4.3	19.2
11 27	3 0.14	+ 8 35.0	1.571	2.516	8.2	19.5
12 7	2 52.73	+ 8 5.7	1.639	2.525	12.2	19.7
12 17	2 47.79	+ 7 54.0	1.729	2.533	15.6	20.0

50544 2000 EO_{17} 11 12.9 344.°01 2.°8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.27	+21 43.4	1.166	2.014	19.9	18.2
10 18	3 37.67	+22 31.0	1.093	2.004	15.6	18.0
10 28	3 30.37	+23 9.1	1.038	1.996	10.5	17.7
11 7	3 20.20	+23 35.1	1.006	1.989	5.1	17.3
11 17	3 8.69	+23 48.0	0.997	1.983	3.4	17.2
11 27	2 57.82	+23 50.4	1.013	1.977	8.5	17.5
12 7	2 49.40	+23 48.2	1.052	1.973	13.9	17.8
12 17	2 44.60	+23 47.7	1.111	1.971	18.7	18.1

183808 2004 BC_{52} 11 12.9 312.°02 5.°7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.97	+ 8 18.5	1.295	2.153	17.6	20.2
10 18	3 35.25	+ 7 25.5	1.219	2.138	13.7	19.9
10 28	3 28.45	+ 6 30.7	1.164	2.123	9.4	19.6
11 7	3 19.37	+ 5 41.0	1.131	2.109	6.0	19.4
11 17	3 9.28	+ 5 4.1	1.123	2.095	6.9	19.4
11 27	2 59.75	+ 4 46.6	1.140	2.081	11.1	19.6
12 7	2 52.22	+ 4 52.0	1.180	2.068	15.7	19.8
12 17	2 47.63	+ 5 20.5	1.239	2.056	19.8	20.0

472521 2015 CO_{46} 11 12.9 131.°06 4.°5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.50	+29 52.2	1.591	2.389	17.7	21.1
10 18	3 39.91	+30 8.3	1.518	2.396	14.2	20.9
10 28	3 31.21	+30 6.3	1.466	2.402	10.2	20.7
11 7	3 20.34	+29 44.1	1.438	2.408	6.2	20.5
11 17	3 8.69	+29 2.4	1.436	2.414	4.5	20.4
11 27	2 57.86	+28 6.6	1.462	2.419	7.3	20.6
12 7	2 49.20	+27 4.8	1.515	2.425	11.3	20.8
12 17	2 43.57	+26 5.5	1.590	2.430	15.0	21.1

391228 2006 JZ_{56} 11 12.9 195.°31 0.°5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.45	+19 12.6	2.253	3.057	13.0	21.8
10 18	3 38.19	+19 26.5	2.164	3.055	10.0	21.5
10 28	3 29.74	+19 34.5	2.100	3.052	6.5	21.3
11 7	3 19.75	+19 36.6	2.064	3.048	2.6	21.1
11 17	3 9.10	+19 33.8	2.058	3.044	1.6	21.0
11 27	2 58.85	+19 28.4	2.083	3.039	5.5	21.3
12 7	2 49.98	+19 23.5	2.137	3.034	9.1	21.5
12 17	2 43.17	+19 22.1	2.216	3.028	12.3	21.7

130741 2000 SZ_{253} 11 13.0 66.°93 0.°4/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.32	+19 1.4	1.241	2.081	19.4	19.7
10 18	3 40.71	+19 10.7	1.188	2.097	14.8	19.5
10 28	3 31.74	+19 10.3	1.155	2.114	9.5	19.3
11 7	3 20.53	+19 0.9	1.146	2.131	3.7	19.0
11 17	3 8.66	+18 45.2	1.162	2.149	2.3	18.9
11 27	2 57.90	+18 28.3	1.205	2.166	7.9	19.3
12 7	2 49.65	+18 15.7	1.272	2.183	12.9	19.7
12 17	2 44.70	+18 11.8	1.361	2.201	17.0	20.0

408789 2000 DL_{77} 11 13.0 326.°38 12.°8/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.19	+52 36.7	2.158	2.806	17.8	20.7
10 18	3 45.50	+54 29.1	2.071	2.796	16.3	20.6
10 28	3 35.69	+56 0.2	2.002	2.786	14.9	20.5
11 7	3 22.41	+57 1.2	1.953	2.776	13.6	20.4
11 17	3 7.16	+57 25.4	1.926	2.767	12.9	20.3
11 27	2 52.19	+57 11.2	1.920	2.759	13.0	20.3
12 7	2 39.69	+56 23.7	1.937	2.750	13.8	20.3
12 17	2 31.16	+55 12.5	1.975	2.742	15.2	20.4

199410 2006 CY_{34} 11 13.0 82.°40 3.°8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.85	+10 49.5	1.653	2.491	15.4	20.3
10 18	3 36.34	+ 9 58.2	1.603	2.512	11.7	20.1
10 28	3 28.49	+ 9 4.8	1.575	2.533	7.6	20.0
11 7	3 19.20	+ 8 14.7	1.574	2.554	4.2	19.8
11 17	3 9.56	+ 7 33.0	1.601	2.575	4.7	19.9
11 27	3 0.76	+ 7 4.4	1.655	2.595	8.3	20.1
12 7	2 53.74	+ 6 51.6	1.735	2.616	11.9	20.4
12 17	2 49.10	+ 6 55.2	1.837	2.636	15.0	20.7

455667 2005 CG_{32} 11 13.0 334.°98 8.°9/ 7.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.00	− 4 4.3	1.863	2.696	14.1	21.0
10 18	3 31.23	− 5 16.4	1.795	2.684	11.7	20.8
10 28	3 25.37	− 6 19.5	1.749	2.673	9.7	20.7
11 7	3 18.08	− 7 6.2	1.728	2.662	8.9	20.6
11 17	3 10.23	− 7 30.5	1.732	2.652	9.7	20.6
11 27	3 2.84	− 7 29.0	1.761	2.643	11.8	20.8
12 7	2 56.79	− 7 1.4	1.813	2.634	14.3	20.9
12 17	2 52.76	− 6 10.3	1.885	2.626	16.7	21.1

112177 2002 JA_{96} 11 13.0 85.°01 1.°2/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.52	+23 12.3	1.424	2.250	18.1	20.5
10 18	3 38.97	+22 50.2	1.368	2.268	13.9	20.3
10 28	3 30.44	+22 13.3	1.332	2.286	9.0	20.0
11 7	3 19.99	+21 23.2	1.320	2.304	3.8	19.8
11 17	3 9.04	+20 24.5	1.335	2.322	2.2	19.7
11 27	2 59.10	+19 24.5	1.378	2.339	7.1	20.1
12 7	2 51.42	+18 30.5	1.447	2.356	11.8	20.4
12 17	2 46.67	+17 48.5	1.538	2.373	15.7	20.7

461263 2015 XY_{50} 11 13.0 126.°45 5.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.50	+ 1 46.9	2.289	3.113	12.2	21.1
10 18	3 33.36	+ 1 8.8	2.224	3.118	9.6	20.9
10 28	3 26.47	+ 0 35.7	2.184	3.124	7.1	20.8
11 7	3 18.43	+ 0 11.7	2.170	3.129	5.5	20.7
11 17	3 10.03	+ 0 0.4	2.185	3.134	6.1	20.8
11 27	3 2.09	+ 0 4.0	2.228	3.139	8.2	20.9
12 7	2 55.36	+ 0 23.2	2.297	3.143	10.8	21.1
12 17	2 50.38	+ 0 57.1	2.390	3.148	13.1	21.2

112229 2002 KZ_{13} 11 13.0 108.°82 3.°6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.63	+11 4.2	1.606	2.440	16.0	20.0
10 18	3 38.56	+10 23.4	1.551	2.458	12.1	19.8
10 28	3 29.97	+ 9 40.3	1.519	2.476	7.9	19.6
11 7	3 19.78	+ 8 59.6	1.512	2.494	4.1	19.5
11 17	3 9.17	+ 8 26.3	1.534	2.510	4.6	19.5
11 27	2 59.42	+ 8 4.8	1.584	2.527	8.3	19.8
12 7	2 51.58	+ 7 58.0	1.659	2.542	12.2	20.1
12 17	2 46.28	+ 8 6.6	1.757	2.557	15.5	20.3

397951 2008 YD_{63} 11 13.0 126.°62 4.°3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.51	+32 37.4	2.010	2.786	15.3	21.3
10 18	3 37.01	+32 31.2	1.933	2.795	12.3	21.1
10 28	3 29.05	+32 6.9	1.877	2.803	9.0	20.9
11 7	3 19.47	+31 23.5	1.847	2.811	5.8	20.7
11 17	3 9.36	+30 22.7	1.845	2.819	4.3	20.7
11 27	2 59.96	+29 9.7	1.872	2.827	6.2	20.8
12 7	2 52.30	+27 51.7	1.927	2.834	9.5	21.0
12 17	2 47.08	+26 36.2	2.007	2.841	12.6	21.2

282922 2007 PL_3 11 13.0 78°.13 5°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.71	+ 5 6.4	1.667	2.506	15.3	20.3
10 18	3 35.51	+ 4 12.0	1.614	2.520	11.8	20.2
10 28	3 28.01	+ 3 20.9	1.585	2.535	8.3	20.0
11 7	3 19.04	+ 2 39.0	1.581	2.550	6.0	19.9
11 17	3 9.67	+ 2 11.5	1.604	2.564	6.7	20.0
11 27	3 1.06	+ 2 2.3	1.654	2.579	9.6	20.2
12 7	2 54.15	+ 2 12.2	1.729	2.593	12.8	20.4
12 17	2 49.55	+ 2 40.2	1.825	2.608	15.7	20.6

114994 2003 QP_{70} 11 13.0 350°.92 1°.1/13.5 18

10 8	3 40.77	+20 34.5	1.508	2.341	16.9	19.3
10 18	3 36.34	+20 46.4	1.433	2.338	13.0	19.1
10 28	3 29.00	+20 48.7	1.378	2.335	8.5	18.8
11 7	3 19.57	+20 41.7	1.348	2.333	3.6	18.5
11 17	3 9.27	+20 27.0	1.345	2.332	2.1	18.4
11 27	2 59.58	+20 8.7	1.369	2.330	7.1	18.7
12 7	2 51.83	+19 52.1	1.418	2.330	11.8	19.0
12 17	2 46.89	+19 41.8	1.489	2.330	15.8	19.3

492340 2014 FL_{43} 11 13.0 157°.41 1°.7/13.9 18

10 8	3 43.85	+22 44.3	2.233	3.032	13.3	21.6
10 18	3 37.73	+23 3.1	2.153	3.037	10.3	21.4
10 28	3 29.43	+23 13.5	2.096	3.043	6.8	21.2
11 7	3 19.63	+23 15.1	2.067	3.047	3.2	21.0
11 17	3 9.25	+23 8.4	2.067	3.052	2.1	20.9
11 27	2 59.34	+22 56.1	2.098	3.056	5.4	21.2
12 7	2 50.86	+22 41.8	2.157	3.059	8.9	21.4
12 17	2 44.49	+22 29.2	2.243	3.062	11.9	21.6

489176 2006 GG_{27} 11 13.0 247°.27 0°.2/12.9 18

10 8	3 37.91	+18 16.4	2.697	3.507	10.9	22.1
10 18	3 32.95	+18 6.4	2.599	3.494	8.3	21.9
10 28	3 26.28	+17 50.9	2.525	3.479	5.3	21.7
11 7	3 18.42	+17 30.9	2.479	3.465	2.0	21.4
11 17	3 10.04	+17 8.3	2.464	3.450	1.4	21.3
11 27	3 1.93	+16 45.9	2.479	3.435	4.8	21.6
12 7	2 54.83	+16 26.5	2.524	3.419	8.0	21.7
12 17	2 49.32	+16 12.8	2.594	3.403	10.8	21.9

57705 2001 UA_{115} 11 13.0 160°.07 1°.3/12.2 18

10 8	3 41.16	+17 35.7	1.801	2.627	14.8	19.9
10 18	3 35.97	+16 52.0	1.727	2.631	11.3	19.7
10 28	3 28.40	+15 59.4	1.676	2.635	7.1	19.4
11 7	3 19.25	+15 1.1	1.652	2.638	2.8	19.2
11 17	3 9.54	+14 1.9	1.656	2.640	2.6	19.2
11 27	3 0.47	+13 7.9	1.689	2.643	6.9	19.5
12 7	2 53.05	+12 24.2	1.750	2.645	11.0	19.7
12 17	2 47.96	+11 54.4	1.833	2.646	14.5	19.9

205947 2002 JP_{80} 11 13.0 124°.65 0°.5/13.3 18

10 8	3 42.61	+20 29.0	1.994	2.807	14.1	21.3
10 18	3 36.85	+20 19.5	1.924	2.819	10.8	21.2
10 28	3 28.86	+20 1.1	1.878	2.831	6.9	20.9
11 7	3 19.40	+19 35.2	1.858	2.843	2.8	20.7
11 17	3 9.46	+19 4.3	1.867	2.854	1.7	20.6
11 27	3 0.15	+18 32.2	1.907	2.864	5.8	20.9
12 7	2 52.41	+18 3.6	1.973	2.875	9.6	21.2
12 17	2 46.90	+17 42.0	2.065	2.884	12.8	21.4

48908 1998 MG_{40} 11 13.0 109°.96 2°.7/11.5 18

10 8	3 43.10	+13 49.7	1.602	2.437	16.0	19.5
10 18	3 37.51	+13 4.9	1.543	2.451	12.1	19.3
10 28	3 29.38	+12 14.8	1.506	2.465	7.7	19.1
11 7	3 19.60	+11 23.9	1.495	2.479	3.5	18.9
11 17	3 9.36	+10 37.2	1.511	2.492	3.8	18.9
11 27	2 59.93	+10 0.5	1.556	2.504	7.9	19.2
12 7	2 52.37	+ 9 37.7	1.627	2.517	12.0	19.5
12 17	2 47.35	+ 9 30.6	1.720	2.529	15.5	19.7

76334 2000 EJ_{150} 11 13.0 0°.72 0°.8/13.5 18

10 8	3 38.04	+22 3.0	1.571	2.403	16.3	18.6
10 18	3 34.07	+21 42.1	1.497	2.402	12.6	18.3
10 28	3 27.43	+21 8.2	1.444	2.402	8.2	18.1
11 7	3 18.94	+20 23.1	1.416	2.401	3.4	17.8
11 17	3 9.75	+19 30.6	1.415	2.402	2.0	17.7
11 27	3 1.22	+18 36.8	1.441	2.403	6.8	18.0
12 7	2 54.50	+17 48.6	1.493	2.404	11.3	18.3
12 17	2 50.37	+17 11.1	1.567	2.406	15.2	18.5

236415 2006 DP_{91} 11 13.0 88°.33 1°.8/11.9 18

10 8	3 41.96	+15 5.5	1.775	2.604	14.9	21.5
10 18	3 36.39	+14 32.4	1.718	2.624	11.2	21.3
10 28	3 28.54	+13 53.9	1.685	2.644	7.1	21.1
11 7	3 19.25	+13 13.4	1.678	2.663	2.9	20.9
11 17	3 9.59	+12 35.0	1.700	2.682	2.9	20.9
11 27	3 0.70	+12 3.4	1.750	2.701	6.9	21.2
12 7	2 53.51	+11 42.3	1.827	2.720	10.7	21.5
12 17	2 48.63	+11 33.6	1.928	2.738	14.0	21.7

129991 1999 VL_{14} 11 13.0 22°.31 6°.7/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	4 1.33	− 1 16.7	0.918	1.758	24.6	18.6
10 18	3 53.52	+ 0 6.3	0.857	1.761	19.7	18.3
10 28	3 40.76	+ 1 57.0	0.813	1.764	13.8	18.0
11 7	3 24.26	+ 4 17.4	0.792	1.769	8.2	17.7
11 17	3 6.21	+ 7 1.3	0.797	1.773	7.3	17.7
11 27	2 49.42	+ 9 57.5	0.828	1.779	12.4	18.0
12 7	2 36.22	+12 53.9	0.883	1.785	18.1	18.3
12 17	2 27.85	+15 43.1	0.959	1.792	23.1	18.7

19235 van Schurman 11 13.0 29°.02 4°.0/11.8 18

10 8	3 43.61	+ 8 23.0	1.286	2.136	18.2	16.6
10 18	3 38.51	+ 8 27.6	1.230	2.145	14.0	16.4
10 28	3 30.33	+ 8 35.4	1.194	2.154	9.2	16.2
11 7	3 20.06	+ 8 49.5	1.182	2.164	4.8	15.9
11 17	3 9.07	+ 9 12.6	1.195	2.174	5.0	16.0
11 27	2 58.99	+ 9 46.7	1.235	2.185	9.3	16.3
12 7	2 51.11	+10 32.0	1.299	2.197	13.7	16.6
12 17	2 46.26	+11 28.0	1.384	2.210	17.6	16.8

381839 2009 WT_{80} 11 13.0 91°.06 2°.9/14.8 18

10 8	3 43.82	+27 19.3	1.614	2.422	17.1	20.3
10 18	3 38.34	+27 13.0	1.550	2.437	13.4	20.1
10 28	3 30.04	+26 50.0	1.507	2.451	9.2	19.9
11 7	3 19.90	+26 10.2	1.488	2.465	4.9	19.6
11 17	3 9.20	+25 16.4	1.496	2.479	3.1	19.6
11 27	2 59.37	+24 14.6	1.533	2.493	6.6	19.8
12 7	2 51.61	+23 12.8	1.596	2.507	10.8	20.1
12 17	2 46.61	+22 17.9	1.683	2.520	14.4	20.4

176605 2002 EQ_{58} 11 13.0 147°.43 0°.3/12.9 17

10 8	3 44.00	+19 48.8	1.568	2.394	16.7	20.9
10 18	3 38.50	+19 20.1	1.498	2.401	12.7	20.6
10 28	3 30.19	+18 40.0	1.449	2.407	8.1	20.4
11 7	3 19.99	+17 51.1	1.426	2.412	3.1	20.1
11 17	3 9.14	+16 57.7	1.431	2.417	2.2	20.0
11 27	2 59.06	+16 6.1	1.464	2.422	7.2	20.4
12 7	2 50.96	+15 22.6	1.523	2.426	11.8	20.7
12 17	2 45.60	+14 51.9	1.605	2.429	15.6	20.9

344439 2002 GY_{116} 11 13.0 173°.66 1°.9/11.9 18

10 8	3 41.83	+13 33.8	2.018	2.842	13.6	21.4
10 18	3 36.27	+13 14.0	1.941	2.844	10.3	21.2
10 28	3 28.53	+12 50.5	1.888	2.845	6.6	20.9
11 7	3 19.32	+12 25.9	1.862	2.847	2.9	20.7
11 17	3 9.57	+12 3.4	1.866	2.848	2.9	20.7
11 27	3 0.32	+11 46.5	1.899	2.848	6.6	21.0
12 7	2 52.53	+11 38.3	1.959	2.848	10.3	21.2
12 17	2 46.86	+11 40.6	2.044	2.848	13.5	21.4

118654 2000 JE_{38} 11 13.0 242°.21 0°.1/13.0 18

10 8	3 42.02	+19 45.2	1.763	2.586	15.2	21.0
10 18	3 36.95	+19 26.6	1.675	2.576	11.8	20.8
10 28	3 29.26	+18 58.0	1.609	2.566	7.6	20.5
11 7	3 19.69	+18 20.7	1.569	2.555	2.9	20.2
11 17	3 9.30	+17 38.1	1.558	2.544	2.0	20.1
11 27	2 59.40	+16 55.2	1.574	2.532	6.8	20.4
12 7	2 51.16	+16 17.7	1.618	2.521	11.2	20.6
12 17	2 45.42	+15 50.3	1.685	2.508	15.1	20.9

513956 2014 EM_{43} 11 13.0 200°.51 2°.3/14.5 18

10 8	3 42.89	+25 47.6	2.198	2.991	13.6	22.7
10 18	3 37.17	+25 50.5	2.108	2.988	10.7	22.5
10 28	3 29.18	+25 41.9	2.041	2.983	7.3	22.3
11 7	3 19.60	+25 21.4	2.001	2.979	3.8	22.0
11 17	3 9.37	+24 50.0	1.991	2.974	2.5	21.9
11 27	2 59.59	+24 11.3	2.010	2.968	5.6	22.1
12 7	2 51.27	+23 30.2	2.058	2.962	9.1	22.3
12 17	2 45.10	+22 51.8	2.131	2.955	12.3	22.5

243451 2009 HL_{60} 11 13.0 146°.77 2°.1/11.8 18

10 8	3 40.00	+13 2.2	2.090	2.916	13.1	20.7
10 18	3 34.79	+12 40.1	2.017	2.920	9.9	20.5
10 28	3 27.54	+12 14.9	1.967	2.924	6.3	20.3
11 7	3 18.94	+11 49.3	1.944	2.928	2.9	20.1
11 17	3 9.85	+11 26.4	1.950	2.931	3.0	20.1
11 27	3 1.26	+11 9.7	1.986	2.934	6.5	20.3
12 7	2 54.05	+11 1.9	2.049	2.937	10.0	20.5
12 17	2 48.82	+11 4.7	2.136	2.940	13.0	20.8

379876 2012 HX_{44} 11 13.0 110°.38 1°.3/12.3 16

10 8	3 43.55	+17 49.1	1.601	2.431	16.2	21.8
10 18	3 37.90	+17 4.7	1.541	2.446	12.3	21.6
10 28	3 29.65	+16 10.9	1.503	2.461	7.8	21.4
11 7	3 19.75	+15 11.4	1.490	2.476	3.0	21.1
11 17	3 9.38	+14 11.6	1.506	2.490	2.7	21.2
11 27	2 59.86	+13 18.0	1.550	2.504	7.3	21.5
12 7	2 52.27	+12 36.0	1.621	2.518	11.6	21.8
12 17	2 47.27	+12 9.0	1.714	2.531	15.2	22.0

86801 2000 GJ_{113} 11 13.0 79.°87 0.°5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.19	+19 2.9	1.546	2.374	16.8	19.4
10 18	3 38.37	+18 34.6	1.494	2.399	12.7	19.2
10 28	3 29.92	+17 56.6	1.465	2.423	8.0	19.0
11 7	3 19.82	+17 11.8	1.461	2.447	3.0	18.8
11 17	3 9.35	+16 24.6	1.484	2.470	2.2	18.8
11 27	2 59.85	+15 41.0	1.536	2.494	7.0	19.1
12 7	2 52.38	+15 6.2	1.614	2.517	11.3	19.4
12 17	2 47.57	+14 43.8	1.715	2.539	14.8	19.7

237896 2002 NR_{48} 11 13.0 139.°54 0.°7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.80	+18 11.3	2.119	2.936	13.2	21.2
10 18	3 35.34	+17 40.2	2.046	2.945	10.0	21.0
10 28	3 27.86	+17 1.7	1.998	2.955	6.4	20.8
11 7	3 19.05	+16 18.0	1.978	2.963	2.4	20.6
11 17	3 9.81	+15 32.6	1.986	2.972	2.0	20.6
11 27	3 1.14	+14 50.0	2.025	2.979	5.9	20.9
12 7	2 53.90	+14 14.4	2.092	2.987	9.5	21.1
12 17	2 48.68	+13 48.8	2.184	2.994	12.5	21.3

485966 2012 HQ_{70} 11 13.0 245.°54 2.°1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.63	+13 9.5	2.641	3.462	10.8	22.0
10 18	3 31.96	+12 27.0	2.546	3.448	8.2	21.8
10 28	3 25.65	+11 40.3	2.477	3.433	5.3	21.6
11 7	3 18.22	+10 52.4	2.435	3.418	2.6	21.4
11 17	3 10.32	+10 6.7	2.424	3.402	2.9	21.4
11 27	3 2.71	+ 9 26.9	2.444	3.386	5.8	21.6
12 7	2 56.10	+ 8 56.2	2.491	3.370	8.8	21.7
12 17	2 51.03	+ 8 36.7	2.564	3.354	11.5	21.9

491768 2012 VV_{113} 11 13.0 357.°41 0.°4/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 16.18	+ 2 33.0	39.951	40.770	0.8	23.6
10 18	3 15.51	+ 2 28.6	39.877	40.770	0.6	23.6
10 28	3 14.76	+ 2 24.6	39.830	40.769	0.5	23.5
11 7	3 13.97	+ 2 21.0	39.812	40.769	0.4	23.5
11 17	3 13.16	+ 2 18.1	39.823	40.769	0.4	23.5
11 27	3 12.36	+ 2 15.9	39.864	40.769	0.6	23.6
12 7	3 11.61	+ 2 14.5	39.933	40.769	0.7	23.6
12 17	3 10.93	+ 2 14.1	40.028	40.769	0.9	23.6

301665 2010 EZ_{133} 11 13.0 116.°34 4.°7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.44	+32 3.4	2.122	2.890	14.8	21.1
10 18	3 39.92	+32 34.7	2.052	2.907	12.0	20.9
10 28	3 30.92	+32 50.7	2.004	2.924	8.9	20.7
11 7	3 20.26	+32 49.1	1.982	2.940	6.0	20.6
11 17	3 9.02	+32 30.0	1.988	2.956	4.7	20.6
11 27	2 58.46	+31 56.2	2.024	2.971	6.4	20.7
12 7	2 49.65	+31 13.6	2.087	2.986	9.2	20.9
12 17	2 43.30	+30 28.6	2.176	3.000	12.1	21.1

85407 1996 TY_{45} 11 13.0 59.°65 0.°4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.94	+18 45.2	1.894	2.720	14.2	20.2
10 18	3 34.21	+18 22.6	1.823	2.727	10.8	20.0
10 28	3 27.27	+17 51.8	1.776	2.734	6.9	19.7
11 7	3 18.86	+17 15.1	1.755	2.741	2.6	19.5
11 17	3 9.95	+16 35.8	1.763	2.749	1.9	19.5
11 27	3 1.63	+15 58.4	1.799	2.756	6.1	19.8
12 7	2 54.85	+15 27.6	1.862	2.764	10.0	20.0
12 17	2 50.23	+15 6.6	1.949	2.771	13.4	20.2

189910 2003 SO_{110} 11 13.0 43.°37 0.°7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.78	+18 33.2	1.970	2.798	13.7	19.4
10 18	3 32.42	+17 55.7	1.906	2.811	10.3	19.2
10 28	3 26.04	+17 10.1	1.865	2.823	6.5	19.0
11 7	3 18.36	+16 19.2	1.850	2.836	2.4	18.8
11 17	3 10.29	+15 27.4	1.865	2.850	2.0	18.8
11 27	3 2.82	+14 39.3	1.908	2.864	6.0	19.1
12 7	2 56.79	+13 59.5	1.978	2.878	9.6	19.3
12 17	2 52.78	+13 31.1	2.072	2.892	12.8	19.5

507196 2010 TN_{17} 11 13.0 57.°41 5.°7/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.18	+29 15.3	1.170	1.990	21.6	21.1
10 18	3 42.68	+30 3.3	1.120	2.009	17.2	20.9
10 28	3 33.28	+30 30.8	1.089	2.030	12.4	20.7
11 7	3 21.25	+30 33.6	1.080	2.050	7.7	20.5
11 17	3 8.43	+30 11.7	1.094	2.071	5.8	20.4
11 27	2 56.91	+29 30.9	1.134	2.092	8.8	20.7
12 7	2 48.33	+28 41.6	1.198	2.114	13.1	21.0
12 17	2 43.52	+27 53.7	1.283	2.135	17.1	21.3

128966 2004 TQ_{147} 11 13.0 259.°05 1.°2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.34	+23 12.5	2.307	3.113	12.6	20.8
10 18	3 33.60	+23 2.3	2.214	3.104	9.8	20.6
10 28	3 26.87	+22 42.2	2.146	3.095	6.5	20.4
11 7	3 18.73	+22 12.9	2.104	3.086	2.9	20.2
11 17	3 10.02	+21 36.4	2.091	3.077	1.7	20.1
11 27	3 1.68	+20 56.1	2.108	3.067	5.2	20.3
12 7	2 54.60	+20 16.7	2.153	3.058	8.7	20.5
12 17	2 49.42	+19 42.2	2.224	3.048	11.9	20.7

288964 2004 TT_{27} 11 13.0 22.°33 0.°9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.82	+21 21.6	1.942	2.762	14.2	20.9
10 18	3 34.20	+21 20.9	1.867	2.765	10.9	20.6
10 28	3 27.32	+21 11.0	1.814	2.768	7.1	20.4
11 7	3 18.91	+20 52.9	1.787	2.772	3.0	20.2
11 17	3 9.93	+20 28.5	1.789	2.775	1.7	20.1
11 27	3 1.47	+20 1.6	1.819	2.780	5.8	20.4
12 7	2 54.52	+19 36.5	1.877	2.784	9.6	20.6
12 17	2 49.75	+19 17.3	1.959	2.789	13.0	20.8

214839 2006 VW_{141} 11 13.0 138.°79 0.°1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.65	+20 23.5	2.365	3.174	12.3	21.3
10 18	3 34.29	+19 50.2	2.290	3.184	9.3	21.1
10 28	3 27.12	+19 8.4	2.241	3.194	6.0	20.9
11 7	3 18.77	+18 20.2	2.219	3.204	2.3	20.7
11 17	3 10.05	+17 28.7	2.227	3.213	1.5	20.7
11 27	3 1.85	+16 38.1	2.266	3.222	5.2	20.9
12 7	2 54.94	+15 52.9	2.334	3.230	8.5	21.2
12 17	2 49.86	+15 16.2	2.427	3.238	11.4	21.4

322447 2011 UF_{7} 11 13.0 85.°23 0.°3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.55	+19 5.4	1.879	2.704	14.4	21.0
10 18	3 34.74	+18 42.6	1.805	2.708	11.0	20.8
10 28	3 27.66	+18 11.0	1.753	2.711	7.0	20.6
11 7	3 19.04	+17 32.8	1.728	2.714	2.6	20.3
11 17	3 9.86	+16 51.4	1.731	2.717	1.9	20.3
11 27	3 1.26	+16 11.6	1.763	2.720	6.2	20.6
12 7	2 54.21	+15 38.1	1.822	2.724	10.2	20.8
12 17	2 49.38	+15 14.5	1.905	2.727	13.6	21.1

306931 2001 UQ_{87} 11 13.0 288.°32 0.°7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.62	+21 59.6	1.948	2.766	14.2	20.7
10 18	3 34.12	+21 40.1	1.861	2.759	10.9	20.4
10 28	3 27.33	+21 9.6	1.797	2.751	7.1	20.2
11 7	3 18.95	+20 29.4	1.760	2.744	3.0	19.9
11 17	3 9.90	+19 42.3	1.750	2.737	1.7	19.8
11 27	3 1.33	+18 53.4	1.770	2.730	6.0	20.1
12 7	2 54.24	+18 7.9	1.816	2.722	10.0	20.3
12 17	2 49.34	+17 30.7	1.887	2.715	13.5	20.5

149966 2005 TY_{106} 11 13.0 5.°28 0.°4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.96	+17 48.5	1.968	2.794	13.8	20.3
10 18	3 34.24	+17 37.4	1.891	2.794	10.5	20.1
10 28	3 27.33	+17 19.5	1.836	2.794	6.7	19.9
11 7	3 18.92	+16 56.7	1.808	2.794	2.5	19.6
11 17	3 9.94	+16 31.6	1.809	2.795	1.9	19.5
11 27	3 1.45	+16 7.8	1.838	2.795	6.1	19.8
12 7	2 54.41	+15 49.4	1.895	2.796	9.9	20.1
12 17	2 49.49	+15 39.3	1.975	2.797	13.2	20.3

428639 2008 FN_{128} 11 13.0 227.°57 2.°5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.95	+14 19.3	1.693	2.526	15.3	21.9
10 18	3 36.87	+13 38.1	1.611	2.519	11.7	21.7
10 28	3 29.19	+12 50.2	1.552	2.511	7.5	21.4
11 7	3 19.69	+11 59.5	1.519	2.503	3.4	21.1
11 17	3 9.44	+11 11.1	1.514	2.495	3.6	21.1
11 27	2 59.72	+10 30.6	1.537	2.486	7.9	21.4
12 7	2 51.70	+10 2.9	1.586	2.477	12.2	21.6
12 17	2 46.15	+ 9 50.9	1.658	2.467	15.9	21.8

227805 2007 BF_{1} 11 13.0 230.°08 1.°3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.73	+16 9.0	1.828	2.653	14.7	21.4
10 18	3 37.36	+15 48.0	1.741	2.644	11.3	21.1
10 28	3 29.48	+15 20.3	1.676	2.634	7.2	20.9
11 7	3 19.80	+14 48.2	1.638	2.624	2.8	20.6
11 17	3 9.35	+14 15.1	1.629	2.613	2.6	20.5
11 27	2 59.36	+13 45.6	1.648	2.602	7.0	20.8
12 7	2 50.95	+13 24.0	1.694	2.590	11.2	21.0
12 17	2 44.93	+13 13.7	1.764	2.578	14.9	21.2

169655 2002 JP_{51} 11 13.0 169.°12 0.°5/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.57	+20 33.1	2.330	3.134	12.6	21.7
10 18	3 36.64	+20 25.5	2.249	3.139	9.7	21.5
10 28	3 28.70	+20 10.0	2.191	3.143	6.2	21.3
11 7	3 19.42	+19 47.7	2.162	3.146	2.5	21.0
11 17	3 9.64	+19 20.3	2.163	3.149	1.5	21.0
11 27	3 0.33	+18 51.3	2.194	3.151	5.2	21.2
12 7	2 52.36	+18 24.5	2.254	3.152	8.7	21.5
12 17	2 46.34	+18 3.2	2.340	3.153	11.7	21.7

147908 2006 SV_{145} 11 13.0 18.°86 2.°5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.44	+24 44.5	1.832	2.642	15.3	20.6
10 18	3 36.45	+25 1.8	1.754	2.643	12.0	20.4
10 28	3 28.91	+25 7.6	1.698	2.645	8.1	20.1
11 7	3 19.58	+25 1.2	1.667	2.646	4.2	19.9
11 17	3 9.52	+24 43.4	1.664	2.647	2.8	19.8
11 27	3 0.02	+24 17.8	1.689	2.649	6.2	20.0
12 7	2 52.21	+23 49.5	1.742	2.651	10.1	20.3
12 17	2 46.85	+23 23.8	1.818	2.653	13.6	20.5

134791 2000 EQ_7 11 13.0 60°.58 1°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.03	+22 38.5	1.671	2.491	16.1	19.8
10 18	3 36.75	+22 33.6	1.614	2.512	12.3	19.6
10 28	3 28.95	+22 17.0	1.579	2.532	8.1	19.4
11 7	3 19.52	+21 49.8	1.570	2.553	3.5	19.2
11 17	3 9.64	+21 14.8	1.588	2.574	2.0	19.1
11 27	3 0.59	+20 37.0	1.634	2.595	6.3	19.4
12 7	2 53.41	+20 1.9	1.707	2.616	10.3	19.7
12 17	2 48.76	+19 34.1	1.804	2.637	13.8	20.0

404650 2014 HX_{38} 11 13.0 163°.26 2°.9/11.3 18

10 8	3 39.95	+11 37.3	1.914	2.746	13.9	21.8
10 18	3 34.94	+11 2.9	1.841	2.747	10.5	21.6
10 28	3 27.75	+10 25.7	1.791	2.749	6.8	21.4
11 7	3 19.08	+ 9 49.4	1.768	2.750	3.5	21.2
11 17	3 9.88	+ 9 18.1	1.774	2.751	3.9	21.2
11 27	3 1.21	+ 8 56.0	1.808	2.752	7.4	21.4
12 7	2 54.02	+ 8 45.9	1.868	2.753	11.0	21.6
12 17	2 48.95	+ 8 49.4	1.952	2.753	14.2	21.9

224715 2006 BT_{161} 11 13.0 290°.97 4°.4/ 9.3 18

10 8	3 35.32	+ 8 19.1	2.182	3.017	12.3	20.2
10 18	3 31.22	+ 7 1.3	2.103	3.010	9.4	20.0
10 28	3 25.29	+ 5 41.3	2.049	3.002	6.5	19.8
11 7	3 18.13	+ 4 24.4	2.023	2.994	4.5	19.7
11 17	3 10.50	+ 3 16.4	2.025	2.987	5.4	19.7
11 27	3 3.28	+ 2 22.5	2.056	2.979	8.1	19.9
12 7	2 57.24	+ 1 46.1	2.113	2.972	11.1	20.1
12 17	2 52.96	+ 1 28.4	2.193	2.964	13.8	20.3

41878 2000 WH_{104} 11 13.0 59°.62 5°.9/ 9.1 18

10 8	3 37.49	+ 1 59.3	2.124	2.954	12.8	18.9
10 18	3 32.81	+ 1 8.8	2.059	2.956	10.1	18.8
10 28	3 26.26	+ 0 22.8	2.017	2.958	7.5	18.6
11 7	3 18.49	− 0 13.6	2.001	2.960	5.9	18.5
11 17	3 10.29	− 0 36.1	2.013	2.961	6.6	18.6
11 27	3 2.56	− 0 41.5	2.053	2.963	8.9	18.7
12 7	2 56.10	− 0 29.2	2.119	2.965	11.5	18.9
12 17	2 51.47	+ 0 0.2	2.206	2.967	14.0	19.1

393726 2004 XS_{58} 11 13.0 1°.35 2°.5/14.1 18

10 8	3 38.93	+22 58.9	1.257	2.101	18.9	20.1
10 18	3 35.51	+23 23.1	1.190	2.099	14.8	19.8
10 28	3 28.78	+23 34.4	1.141	2.098	10.0	19.5
11 7	3 19.64	+23 31.8	1.115	2.098	4.8	19.3
11 17	3 9.51	+23 16.7	1.114	2.099	3.0	19.2
11 27	3 0.12	+22 53.6	1.137	2.102	7.8	19.4
12 7	2 53.00	+22 29.4	1.185	2.105	12.7	19.7
12 17	2 49.07	+22 10.4	1.253	2.110	17.1	20.0

924 Toni 11 13.0 27°.20 5°.5/ 9.8 18

10 8	3 36.68	+ 6 20.5	1.685	2.531	14.8	13.3
10 18	3 32.58	+ 5 21.5	1.628	2.539	11.4	13.2
10 28	3 26.27	+ 4 24.1	1.594	2.547	7.9	13.0
11 7	3 18.51	+ 3 34.5	1.585	2.556	5.6	12.9
11 17	3 10.30	+ 2 58.2	1.603	2.566	6.4	12.9
11 27	3 2.74	+ 2 39.5	1.648	2.576	9.3	13.1
12 7	2 56.74	+ 2 40.2	1.717	2.587	12.6	13.4
12 17	2 52.92	+ 2 59.6	1.807	2.598	15.5	13.6

397272 2006 RS_{69} 11 13.0 121°.72 1°.6/11.9 18

10 8	3 39.41	+15 44.2	2.015	2.841	13.5	22.0
10 18	3 34.41	+15 6.7	1.944	2.848	10.2	21.8
10 28	3 27.34	+14 23.0	1.897	2.855	6.5	21.6
11 7	3 18.92	+13 36.4	1.877	2.862	2.6	21.3
11 17	3 10.05	+12 50.9	1.886	2.869	2.7	21.4
11 27	3 1.74	+12 11.1	1.924	2.875	6.4	21.6
12 7	2 54.86	+11 40.8	1.990	2.882	10.0	21.8
12 17	2 50.03	+11 22.7	2.080	2.888	13.2	22.1

455382 2002 VB_{15} 11 13.0 25°.80 7°.6/18.7 17

10 8	3 42.12	+42 7.0	0.904	1.712	27.3	19.8
10 18	3 39.28	+40 55.1	0.841	1.716	22.9	19.5
10 28	3 31.58	+38 48.1	0.793	1.721	17.5	19.2
11 7	3 20.68	+35 42.2	0.763	1.726	11.7	18.9
11 17	3 9.02	+31 46.7	0.756	1.733	7.7	18.7
11 27	2 59.22	+27 27.0	0.774	1.740	9.9	18.9
12 7	2 53.02	+23 15.3	0.816	1.747	15.4	19.2
12 17	2 51.10	+19 37.1	0.879	1.756	20.7	19.6

204067 2003 UB_{300} 11 13.0 64°.89 5°.6/ 9.9 18

10 8	3 39.75	+ 6 3.4	1.648	2.490	15.3	20.0
10 18	3 34.93	+ 5 7.4	1.592	2.500	11.8	19.8
10 28	3 27.77	+ 4 13.5	1.558	2.511	8.2	19.6
11 7	3 19.09	+ 3 27.7	1.550	2.521	5.7	19.5
11 17	3 9.95	+ 2 55.6	1.569	2.531	6.5	19.6
11 27	3 1.53	+ 2 41.3	1.614	2.542	9.5	19.8
12 7	2 54.78	+ 2 46.3	1.684	2.553	12.9	20.0
12 17	2 50.34	+ 3 9.9	1.776	2.563	15.9	20.3

100333 1995 SN_5 11 13.0 113°.96 8°.9/17.9 18

	h m	° ′			°	m
10 8	3 59.76	+40 26.8	1.952	2.666	17.6	20.1
10 18	3 50.89	+41 58.6	1.889	2.692	15.0	20.0
10 28	3 38.40	+43 9.6	1.847	2.717	12.3	19.8
11 7	3 23.30	+43 52.5	1.829	2.741	10.0	19.7
11 17	3 7.17	+44 3.2	1.838	2.764	8.9	19.7
11 27	2 51.95	+43 43.4	1.876	2.786	9.6	19.8
12 7	2 39.28	+43 0.7	1.940	2.807	11.5	20.0
12 17	2 30.14	+42 5.5	2.028	2.827	13.8	20.2

12635 Hennylamers 11 13.0 90°.84 3°.7/10.2 18

10 8	3 37.00	+ 9 30.1	2.170	3.002	12.4	18.5
10 18	3 32.37	+ 8 30.9	2.106	3.012	9.5	18.3
10 28	3 25.94	+ 7 30.3	2.066	3.021	6.3	18.2
11 7	3 18.36	+ 6 32.9	2.055	3.031	3.9	18.0
11 17	3 10.43	+ 5 43.3	2.072	3.040	4.5	18.1
11 27	3 3.01	+ 5 5.7	2.118	3.050	7.3	18.3
12 7	2 56.86	+ 4 42.7	2.190	3.059	10.3	18.5
12 17	2 52.50	+ 4 35.2	2.286	3.068	12.9	18.7

328988 2010 WB_{48} 11 13.0 134°.53 1°.1/12.5 17

10 8	3 45.53	+15 47.2	1.542	2.372	16.7	20.9
10 18	3 39.73	+15 42.5	1.473	2.379	12.7	20.7
10 28	3 31.06	+15 32.1	1.427	2.385	8.1	20.4
11 7	3 20.42	+15 17.8	1.405	2.391	3.1	20.1
11 17	3 9.07	+15 2.5	1.412	2.397	2.6	20.1
11 27	2 58.46	+14 50.5	1.446	2.402	7.5	20.4
12 7	2 49.84	+14 45.5	1.506	2.407	12.0	20.7
12 17	2 44.02	+14 50.6	1.589	2.412	15.9	21.0

483088 2015 MF_{52} 11 13.0 97°.32 5°.4/10.1 17

10 8	3 41.95	+ 4 19.6	1.896	2.725	14.1	21.6
10 18	3 36.21	+ 3 36.3	1.843	2.743	10.9	21.4
10 28	3 28.40	+ 2 57.0	1.815	2.762	7.7	21.3
11 7	3 19.29	+ 2 26.5	1.813	2.780	5.5	21.2
11 17	3 9.84	+ 2 8.9	1.839	2.797	6.1	21.2
11 27	3 1.09	+ 2 7.1	1.893	2.815	8.7	21.4
12 7	2 53.90	+ 2 21.7	1.972	2.832	11.7	21.6
12 17	2 48.82	+ 2 51.9	2.075	2.848	14.4	21.9

391894 2008 UE_{78} 11 13.0 42°.62 1°.4/13.9 18

10 8	3 40.12	+23 59.1	1.536	2.362	17.0	20.5
10 18	3 35.68	+23 35.3	1.468	2.369	13.1	20.3
10 28	3 28.48	+22 56.5	1.422	2.376	8.7	20.0
11 7	3 19.42	+22 4.0	1.399	2.383	3.8	19.8
11 17	3 9.74	+21 2.1	1.404	2.390	2.1	19.7
11 27	3 0.83	+19 57.5	1.435	2.398	6.8	20.0
12 7	2 53.88	+18 57.9	1.493	2.405	11.3	20.3
12 17	2 49.61	+18 9.3	1.574	2.413	15.1	20.5

141555 2002 GW_{67} 11 13.0 81°.93 0°.8/12.7 17

10 8	3 47.43	+17 51.8	1.423	2.253	17.9	20.7
10 18	3 40.96	+17 31.9	1.377	2.282	13.5	20.5
10 28	3 31.62	+17 3.4	1.352	2.310	8.5	20.3
11 7	3 20.53	+16 28.8	1.352	2.338	3.2	20.0
11 17	3 9.09	+15 52.6	1.380	2.365	2.4	20.0
11 27	2 58.77	+15 20.3	1.435	2.392	7.4	20.4
12 7	2 50.73	+14 56.7	1.517	2.419	11.9	20.7
12 17	2 45.59	+14 45.2	1.621	2.444	15.5	21.0

518359 2017 DG_{61} 11 13.0 41°.28 3°.8/10.9 18

10 8	3 38.80	+ 7 7.2	2.078	2.910	13.0	20.1
10 18	3 33.85	+ 6 47.8	2.012	2.916	9.9	19.9
10 28	3 26.95	+ 6 30.2	1.969	2.922	6.7	19.7
11 7	3 18.78	+ 6 17.8	1.953	2.928	4.1	19.6
11 17	3 10.16	+ 6 13.6	1.965	2.935	4.5	19.6
11 27	3 2.04	+ 6 20.1	2.006	2.942	7.4	19.8
12 7	2 55.26	+ 6 38.4	2.073	2.949	10.5	20.0
12 17	2 50.40	+ 7 8.5	2.165	2.956	13.3	20.2

298091 2002 RY_{41} 11 13.0 25°.15 8°.7/17.5 18

10 8	3 45.09	+36 56.7	1.538	2.313	19.2	19.9
10 18	3 40.23	+38 13.8	1.471	2.320	16.2	19.7
10 28	3 31.85	+39 9.9	1.424	2.328	13.0	19.6
11 7	3 20.85	+39 38.8	1.398	2.336	10.1	19.4
11 17	3 8.76	+39 37.1	1.396	2.345	8.7	19.4
11 27	2 57.46	+39 7.4	1.419	2.355	9.8	19.5
12 7	2 48.58	+38 17.7	1.467	2.365	12.5	19.6
12 17	2 43.12	+37 18.4	1.536	2.376	15.5	19.9

333016 2011 QY_{14} 11 13.0 167°.62 2°.5/14.6 18

10 8	3 42.95	+26 4.9	2.030	2.827	14.4	21.3
10 18	3 37.36	+26 10.2	1.949	2.830	11.4	21.1
10 28	3 29.38	+26 3.2	1.890	2.833	7.8	20.9
11 7	3 19.76	+25 43.3	1.857	2.835	4.1	20.7
11 17	3 9.51	+25 11.9	1.854	2.836	2.7	20.6
11 27	2 59.80	+24 32.7	1.879	2.838	5.8	20.8
12 7	2 51.68	+23 51.1	1.933	2.839	9.5	21.0
12 17	2 45.87	+23 12.5	2.011	2.840	12.8	21.2

220694 2004 RS_{309} 11 13.0 160°.62 3°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.15	+28 49.5	2.220	3.010	13.6	20.3
10 18	3 34.33	+28 43.5	2.136	3.010	10.8	20.1
10 28	3 27.37	+28 23.7	2.074	3.011	7.6	19.9
11 7	3 18.97	+27 49.8	2.039	3.011	4.4	19.7
11 17	3 10.03	+27 3.4	2.031	3.011	3.0	19.6
11 27	3 1.59	+26 8.6	2.054	3.012	5.4	19.8
12 7	2 54.57	+25 11.0	2.104	3.012	8.7	20.0
12 17	2 49.61	+24 16.1	2.180	3.012	11.8	20.2

397317 2006 SO_{384} 11 13.0 126°.35 2°.8/11.4 18

10 8	3 41.26	+10 15.1	2.133	2.957	12.9	21.7
10 18	3 35.65	+ 9 56.4	2.065	2.967	9.8	21.5
10 28	3 28.07	+ 9 37.0	2.021	2.976	6.4	21.3
11 7	3 19.21	+ 9 19.9	2.004	2.985	3.3	21.1
11 17	3 9.90	+ 9 7.8	2.017	2.993	3.6	21.1
11 27	3 1.13	+ 9 3.5	2.059	3.002	6.7	21.4
12 7	2 53.73	+ 9 9.0	2.129	3.010	10.0	21.6
12 17	2 48.29	+ 9 25.2	2.223	3.017	12.9	21.8

7743 1986 JA 11 13.0 131°.36 6°.4/ 9.1 18 R

10 8	3 41.96	+ 3 51.8	1.813	2.644	14.6	17.7
10 18	3 36.35	+ 2 35.4	1.758	2.657	11.4	17.5
10 28	3 28.56	+ 1 22.3	1.726	2.670	8.3	17.4
11 7	3 19.38	+ 0 19.1	1.720	2.681	6.4	17.3
11 17	3 9.81	− 0 28.2	1.742	2.693	7.2	17.4
11 27	3 0.93	− 0 55.1	1.792	2.703	9.9	17.6
12 7	2 53.66	− 1 0.3	1.867	2.713	12.9	17.8
12 17	2 48.58	− 0 44.9	1.963	2.723	15.6	18.0

331978 2005 CZ_{80} 11 13.1 232°.41 6°.6/ 6.9 18

10 8	3 35.01	− 2 31.3	2.633	3.451	10.9	21.2
10 18	3 30.66	− 3 47.3	2.563	3.445	8.9	21.0
10 28	3 24.81	− 4 57.8	2.517	3.439	7.3	20.9
11 7	3 17.96	− 5 57.5	2.499	3.432	6.6	20.9
11 17	3 10.73	− 6 42.0	2.510	3.425	7.3	20.9
11 27	3 3.83	− 7 8.1	2.547	3.418	9.0	21.0
12 7	2 57.91	− 7 14.5	2.609	3.411	11.0	21.1
12 17	2 53.45	− 7 2.2	2.693	3.404	12.9	21.3

449349 2013 GE_{21} 11 13.1 116°.28 9°.0/ 4.9 18

10 8	3 37.99	−15 26.0	2.836	3.606	11.4	21.6
10 18	3 32.64	−16 40.4	2.804	3.626	10.1	21.5
10 28	3 25.90	−17 40.7	2.795	3.645	9.2	21.5
11 7	3 18.32	−18 22.1	2.811	3.664	9.0	21.5
11 17	3 10.54	−18 41.5	2.853	3.683	9.5	21.5
11 27	3 3.24	−18 37.8	2.919	3.701	10.5	21.6
12 7	2 56.99	−18 12.1	3.007	3.718	11.7	21.8
12 17	2 52.22	−17 27.1	3.115	3.735	12.9	21.9

293360 2007 EV_{1} 11 13.1 55°.51 0°.7/12.6 18

10 8	3 38.29	+17 59.3	1.968	2.794	13.8	20.8
10 18	3 33.62	+17 33.9	1.901	2.805	10.4	20.6
10 28	3 26.88	+17 1.2	1.858	2.816	6.6	20.4
11 7	3 18.78	+16 23.7	1.842	2.828	2.5	20.2
11 17	3 10.24	+15 44.8	1.853	2.839	2.0	20.1
11 27	3 2.29	+15 8.8	1.894	2.851	6.0	20.4
12 7	2 55.80	+14 39.9	1.962	2.862	9.7	20.7
12 17	2 51.37	+14 21.0	2.054	2.874	12.9	20.9

70218 1999 RY_{42} 11 13.1 48°.66 8°.5/ 8.2 18

10 8	3 38.59	+ 1 54.7	1.415	2.266	16.8	18.8
10 18	3 34.23	+ 0 13.4	1.375	2.283	13.3	18.7
10 28	3 27.36	− 1 20.8	1.358	2.301	10.1	18.5
11 7	3 18.95	− 2 38.4	1.364	2.319	8.5	18.5
11 17	3 10.17	− 3 31.8	1.395	2.338	9.5	18.6
11 27	3 2.28	− 3 56.3	1.451	2.356	12.2	18.8
12 7	2 56.26	− 3 51.9	1.530	2.376	15.2	19.0
12 17	2 52.70	− 3 21.9	1.627	2.395	17.9	19.3

439786 2015 GQ_{42} 11 13.1 58°.01 4°.3/11.3 18

10 8	3 45.67	+ 8 55.6	1.394	2.235	17.6	20.5
10 18	3 39.43	+ 8 25.7	1.359	2.269	13.3	20.3
10 28	3 30.55	+ 7 57.2	1.346	2.304	8.7	20.2
11 7	3 20.12	+ 7 34.7	1.358	2.338	4.9	20.0
11 17	3 9.48	+ 7 22.4	1.397	2.372	5.2	20.1
11 27	2 59.97	+ 7 23.4	1.463	2.406	8.9	20.4
12 7	2 52.64	+ 7 39.0	1.554	2.440	12.7	20.7
12 17	2 48.03	+ 8 8.4	1.666	2.473	16.0	21.0

20528 Kyleyawn 11 13.1 5°.02 0°.3/12.9 18

10 8	3 37.82	+18 49.1	1.864	2.693	14.3	18.5
10 18	3 33.52	+18 28.6	1.788	2.693	10.9	18.3
10 28	3 26.96	+17 59.8	1.735	2.693	7.0	18.1
11 7	3 18.86	+17 24.7	1.708	2.694	2.6	17.8
11 17	3 10.19	+16 46.6	1.709	2.695	1.9	17.7
11 27	3 2.05	+16 10.2	1.738	2.696	6.2	18.0
12 7	2 55.41	+15 40.1	1.794	2.698	10.2	18.3
12 17	2 50.96	+15 19.7	1.874	2.700	13.6	18.5

187223 2005 SX_{139} 11 13.1 152°.53 1°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.64	+15 44.9	2.092	2.918	13.1	21.3
10 18	3 33.85	+15 18.0	2.015	2.919	9.9	21.1
10 28	3 27.04	+14 45.5	1.962	2.920	6.3	20.9
11 7	3 18.87	+14 10.0	1.936	2.921	2.5	20.6
11 17	3 10.19	+13 34.9	1.938	2.922	2.4	20.6
11 27	3 2.00	+13 4.3	1.970	2.923	6.2	20.9
12 7	2 55.15	+12 41.5	2.030	2.924	9.7	21.1
12 17	2 50.26	+12 29.3	2.113	2.924	12.9	21.3

410129 2007 GM_{16} 11 13.1 205°.67 0°.6/13.6 17

10 8	3 38.36	+21 36.2	2.680	3.482	11.2	22.6
10 18	3 33.32	+21 23.0	2.589	3.478	8.6	22.5
10 28	3 26.58	+21 2.1	2.523	3.474	5.6	22.3
11 7	3 18.68	+20 34.2	2.485	3.469	2.3	22.0
11 17	3 10.32	+20 1.5	2.477	3.464	1.3	22.0
11 27	3 2.31	+19 26.9	2.500	3.458	4.6	22.2
12 7	2 55.37	+18 53.8	2.552	3.452	7.7	22.4
12 17	2 50.07	+18 25.7	2.630	3.446	10.5	22.6

383539 2007 DJ_{67} 11 13.1 36°.05 3°.6/11.3 18

10 8	3 40.66	+11 52.9	1.410	2.258	17.0	20.8
10 18	3 36.15	+11 13.1	1.347	2.263	13.0	20.6
10 28	3 28.84	+10 29.7	1.306	2.267	8.4	20.3
11 7	3 19.62	+ 9 47.6	1.290	2.272	4.3	20.1
11 17	3 9.75	+ 9 12.5	1.299	2.278	4.7	20.2
11 27	3 0.65	+ 8 49.9	1.335	2.283	8.9	20.4
12 7	2 53.51	+ 8 43.3	1.395	2.289	13.3	20.7
12 17	2 49.10	+ 8 53.9	1.476	2.296	17.0	21.0

82273 2001 KG_{21} 11 13.1 74°.92 3°.0/15.0 18

10 8	3 46.37	+28 42.4	1.502	2.307	18.3	18.4
10 18	3 40.22	+28 18.1	1.453	2.337	14.3	18.3
10 28	3 31.19	+27 34.2	1.423	2.366	9.8	18.1
11 7	3 20.41	+26 31.8	1.419	2.396	5.2	17.9
11 17	3 9.33	+25 15.3	1.441	2.425	3.2	17.8
11 27	2 59.43	+23 53.0	1.492	2.453	6.7	18.1
12 7	2 51.83	+22 33.8	1.570	2.481	10.9	18.4
12 17	2 47.14	+21 25.2	1.671	2.509	14.5	18.7

490543 2009 VD_{55} 11 13.1 99°.47 2°.4/14.3 18

10 8	3 45.63	+23 31.9	2.302	3.093	13.1	21.1
10 18	3 39.18	+24 20.1	2.223	3.101	10.3	20.9
10 28	3 30.49	+25 1.1	2.167	3.109	7.0	20.8
11 7	3 20.24	+25 33.0	2.140	3.117	3.7	20.6
11 17	3 9.34	+25 54.9	2.143	3.124	2.7	20.5
11 27	2 58.86	+26 8.1	2.176	3.132	5.4	20.7
12 7	2 49.78	+26 15.4	2.239	3.139	8.7	20.9
12 17	2 42.83	+26 20.2	2.328	3.146	11.6	21.1

432842 2011 HO_{41} 11 13.1 79°.14 6°.1/ 9.1 16

10 8	3 41.03	+ 6 40.6	1.653	2.493	15.3	20.5
10 18	3 35.69	+ 5 2.7	1.611	2.518	11.8	20.4
10 28	3 28.12	+ 3 26.5	1.593	2.543	8.3	20.2
11 7	3 19.23	+ 1 59.7	1.601	2.568	6.1	20.1
11 17	3 10.09	+ 0 49.6	1.636	2.592	7.1	20.3
11 27	3 1.79	+ 0 1.5	1.699	2.616	9.9	20.5
12 7	2 55.24	− 0 22.6	1.787	2.640	13.0	20.7
12 17	2 50.96	− 0 23.9	1.895	2.663	15.7	21.0

517244 2014 DC_{27} 11 13.1 266°.00 1°.1/13.6 18

10 8	3 41.78	+22 3.6	1.721	2.542	15.7	22.3
10 18	3 36.99	+21 56.1	1.631	2.529	12.2	22.0
10 28	3 29.47	+21 37.1	1.563	2.516	8.1	21.7
11 7	3 19.94	+21 7.0	1.519	2.503	3.5	21.4
11 17	3 9.52	+20 28.1	1.504	2.490	2.0	21.3
11 27	2 59.56	+19 45.4	1.516	2.477	6.7	21.6
12 7	2 51.30	+19 4.9	1.555	2.463	11.2	21.8
12 17	2 45.62	+18 32.2	1.618	2.450	15.2	22.0

393765 2005 GG_{98} 11 13.1 180°.75 1°.9/14.5 18

10 8	3 40.75	+26 36.5	2.239	3.033	13.4	21.2
10 18	3 35.45	+26 8.9	2.153	3.034	10.5	21.0
10 28	3 28.07	+25 27.8	2.091	3.034	7.1	20.8
11 7	3 19.29	+24 33.8	2.055	3.034	3.5	20.6
11 17	3 10.02	+23 29.9	2.049	3.034	2.1	20.5
11 27	3 1.28	+22 20.8	2.074	3.033	5.3	20.7
12 7	2 53.95	+21 12.6	2.127	3.032	8.8	20.9
12 17	2 48.67	+20 10.8	2.206	3.030	11.9	21.1

516799 2010 HY_{106} 11 13.1 169°.20 0°.7/12.8 18

10 8	3 45.19	+15 11.6	1.940	2.758	14.3	21.3
10 18	3 39.07	+15 29.8	1.861	2.760	10.9	21.1
10 28	3 30.53	+15 45.0	1.806	2.761	7.0	20.9
11 7	3 20.30	+15 57.8	1.777	2.763	2.7	20.6
11 17	3 9.37	+16 9.2	1.778	2.764	2.0	20.6
11 27	2 58.93	+16 21.2	1.809	2.764	6.3	20.9
12 7	2 50.06	+16 36.2	1.867	2.765	10.3	21.1
12 17	2 43.51	+16 56.2	1.951	2.765	13.7	21.3

251625 Timconrow 11 13.1 89°.59 8°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.02	− 6 59.3	2.032	2.840	14.1	20.4
10 18	3 36.04	− 8 6.4	1.997	2.867	11.7	20.3
10 28	3 28.20	− 9 0.5	1.986	2.893	9.7	20.2
11 7	3 19.26	− 9 35.7	2.000	2.919	8.8	20.2
11 17	3 10.12	− 9 48.0	2.041	2.944	9.4	20.3
11 27	3 1.71	− 9 35.9	2.108	2.969	11.0	20.5
12 7	2 54.79	− 9 1.2	2.199	2.994	13.0	20.7
12 17	2 49.85	− 8 7.2	2.310	3.018	14.9	20.8

197456 2003 YW_{121} 11 13.1 292°.37 0°.4/13.4 17

10 8	3 36.63	+21 7.0	2.330	3.145	12.3	20.6
10 18	3 32.32	+20 45.0	2.238	3.134	9.4	20.4
10 28	3 26.10	+20 14.1	2.169	3.123	6.1	20.1
11 7	3 18.57	+19 35.7	2.127	3.112	2.5	19.9
11 17	3 10.49	+18 52.3	2.115	3.101	1.5	19.8
11 27	3 2.76	+18 7.9	2.132	3.091	5.2	20.0
12 7	2 56.22	+17 26.8	2.177	3.080	8.7	20.2
12 17	2 51.49	+16 52.9	2.248	3.069	11.8	20.4

417423 2006 KJ_{43} 11 13.1 238°.98 0°.7/12.5 18

10 8	3 37.25	+16 49.1	2.649	3.464	11.0	22.0
10 18	3 32.50	+16 30.7	2.558	3.456	8.3	21.8
10 28	3 26.09	+16 7.3	2.491	3.447	5.3	21.6
11 7	3 18.54	+15 40.5	2.452	3.437	2.0	21.4
11 17	3 10.52	+15 12.6	2.443	3.428	1.7	21.3
11 27	3 2.81	+14 46.6	2.465	3.419	5.0	21.5
12 7	2 56.12	+14 25.5	2.515	3.409	8.1	21.7
12 17	2 51.00	+14 11.5	2.591	3.399	10.9	21.9

519565 2012 SU_{69} 11 13.1 189°.50 6°.0/10.1 18

10 8	3 42.15	+ 1 34.2	1.929	2.754	14.0	20.7
10 18	3 36.59	+ 1 7.2	1.859	2.754	11.1	20.5
10 28	3 28.84	+ 0 46.4	1.812	2.753	8.1	20.4
11 7	3 19.62	+ 0 36.6	1.791	2.753	6.2	20.2
11 17	3 9.85	+ 0 41.3	1.799	2.753	6.7	20.3
11 27	3 0.61	+ 1 2.9	1.834	2.752	9.2	20.4
12 7	2 52.84	+ 1 41.3	1.895	2.751	12.2	20.6
12 17	2 47.20	+ 2 34.9	1.979	2.750	15.0	20.8

487091 2014 OU_{126} 11 13.1 76°.36 0°.6/13.5 17

10 8	3 39.53	+20 49.3	2.066	2.882	13.6	22.3
10 18	3 34.64	+20 41.7	1.989	2.885	10.4	22.1
10 28	3 27.62	+20 25.6	1.935	2.889	6.7	21.8
11 7	3 19.16	+20 1.9	1.908	2.892	2.8	21.6
11 17	3 10.15	+19 33.0	1.909	2.896	1.6	21.5
11 27	3 1.65	+19 2.6	1.940	2.899	5.6	21.8
12 7	2 54.58	+18 34.8	1.998	2.903	9.3	22.0
12 17	2 49.57	+18 13.5	2.081	2.906	12.5	22.3

155428 1997 MU_2 11 13.1 81°.13 7°.1/ 9.0 18

10 8	3 40.04	− 3 54.7	2.236	3.050	12.8	19.6
10 18	3 34.58	− 4 29.9	2.182	3.061	10.4	19.5
10 28	3 27.34	− 4 55.6	2.151	3.073	8.3	19.4
11 7	3 19.00	− 5 7.2	2.146	3.085	7.1	19.3
11 17	3 10.32	− 5 1.6	2.169	3.097	7.6	19.4
11 27	3 2.19	− 4 37.3	2.220	3.108	9.4	19.5
12 7	2 55.34	− 3 55.2	2.296	3.120	11.6	19.7
12 17	2 50.30	− 2 57.5	2.394	3.131	13.7	19.9

6768 Mathiasbraun 11 13.1 38°.86 1°.7/13.9 18

10 8	3 41.69	+23 19.8	1.164	2.008	20.1	16.7
10 18	3 37.49	+23 12.3	1.115	2.025	15.5	16.5
10 28	3 29.90	+22 48.5	1.084	2.042	10.2	16.3
11 7	3 20.09	+22 9.8	1.076	2.060	4.5	16.0
11 17	3 9.67	+21 20.7	1.093	2.079	2.5	16.0
11 27	3 0.39	+20 28.7	1.135	2.099	7.8	16.3
12 7	2 53.61	+19 42.2	1.201	2.119	12.8	16.7
12 17	2 50.08	+19 7.4	1.287	2.140	17.0	17.0

127529 2002 VL_{125} 11 13.1 291°.20 5°.3/15.8 18

10 8	3 43.31	+30 51.2	1.523	2.325	18.2	20.2
10 18	3 38.75	+31 15.4	1.440	2.317	14.8	19.9
10 28	3 30.90	+31 20.9	1.376	2.310	10.9	19.7
11 7	3 20.61	+31 4.4	1.335	2.302	7.0	19.5
11 17	3 9.23	+30 25.6	1.319	2.295	5.3	19.3
11 27	2 58.48	+29 29.1	1.331	2.288	7.9	19.5
12 7	2 49.87	+28 23.4	1.367	2.281	12.0	19.7
12 17	2 44.42	+27 18.2	1.426	2.274	16.0	19.9

43641 2002 EG_{40} 11 13.1 257°.41 1°.9/14.4 18

10 8	3 39.97	+24 52.6	2.421	3.217	12.4	20.0
10 18	3 34.93	+24 53.2	2.318	3.200	9.8	19.8
10 28	3 27.86	+24 43.8	2.240	3.184	6.6	19.6
11 7	3 19.31	+24 24.2	2.188	3.167	3.4	19.3
11 17	3 10.10	+23 55.5	2.166	3.150	2.1	19.2
11 27	3 1.17	+23 20.7	2.173	3.132	5.1	19.4
12 7	2 53.45	+22 44.0	2.210	3.114	8.5	19.6
12 17	2 47.61	+22 9.9	2.272	3.096	11.6	19.7

170552 2003 WR_{135} 11 13.1 248°.51 3°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.44	+ 9 28.7	2.133	2.955	13.0	20.3
10 18	3 36.86	+ 9 15.7	2.040	2.940	10.0	20.0
10 28	3 29.12	+ 9 2.7	1.971	2.925	6.6	19.8
11 7	3 19.81	+ 8 52.3	1.930	2.910	3.6	19.6
11 17	3 9.78	+ 8 47.3	1.918	2.894	3.8	19.6
11 27	3 0.09	+ 8 50.5	1.935	2.878	7.1	19.8
12 7	2 51.67	+ 9 4.0	1.981	2.861	10.7	19.9
12 17	2 45.28	+ 9 28.5	2.050	2.844	13.8	20.1

350325 2012 UY_{74} 11 13.1 353°.81 0°.6/12.6 16

10 8	3 33.50	+17 45.1	2.232	3.061	12.2	20.8
10 18	3 29.97	+17 22.7	2.150	3.055	9.3	20.6
10 28	3 24.62	+16 53.8	2.092	3.051	5.9	20.4
11 7	3 18.03	+16 20.6	2.061	3.047	2.3	20.1
11 17	3 10.96	+15 45.9	2.058	3.043	1.8	20.1
11 27	3 4.27	+15 13.7	2.084	3.041	5.5	20.4
12 7	2 58.74	+14 47.3	2.137	3.039	8.9	20.6
12 17	2 54.96	+14 29.7	2.215	3.038	11.9	20.8

295972 2008 YJ_{32} 11 13.1 163°.55 1°.3/12.3 18

10 8	3 41.51	+15 33.2	2.104	2.924	13.2	21.5
10 18	3 36.03	+15 11.9	2.027	2.928	10.0	21.3
10 28	3 28.47	+14 45.5	1.975	2.932	6.4	21.1
11 7	3 19.51	+14 16.2	1.950	2.935	2.6	20.9
11 17	3 10.04	+13 47.0	1.954	2.938	2.4	20.9
11 27	3 1.08	+13 21.8	1.988	2.940	6.1	21.1
12 7	2 53.51	+13 3.9	2.050	2.942	9.8	21.3
12 17	2 47.98	+12 55.7	2.136	2.944	12.9	21.6

518697 2008 YD_{140} 11 13.1 242°.83 8°.3/ 8.3 18

10 8	3 40.56	− 3 3.4	1.873	2.697	14.4	21.5
10 18	3 35.49	− 4 2.3	1.805	2.692	11.8	21.4
10 28	3 28.21	− 4 52.2	1.761	2.687	9.5	21.2
11 7	3 19.43	− 5 26.6	1.741	2.681	8.3	21.1
11 17	3 10.09	− 5 40.0	1.748	2.676	9.0	21.2
11 27	3 1.26	− 5 29.5	1.780	2.671	11.2	21.3
12 7	2 53.90	− 4 55.3	1.837	2.665	13.9	21.4
12 17	2 48.67	− 3 59.9	1.915	2.659	16.4	21.6

65319 2002 JJ_{127} 11 13.1 69°.48 3°.3/11.1 18

10 8	3 38.92	+ 9 27.2	2.112	2.941	12.8	19.1
10 18	3 33.87	+ 8 56.6	2.054	2.959	9.7	19.0
10 28	3 26.96	+ 8 25.8	2.021	2.976	6.4	18.8
11 7	3 18.88	+ 7 58.4	2.015	2.994	3.6	18.6
11 17	3 10.47	+ 7 37.6	2.038	3.011	4.0	18.7
11 27	3 2.63	+ 7 26.4	2.089	3.029	6.9	18.9
12 7	2 56.13	+ 7 26.8	2.168	3.046	10.0	19.1
12 17	2 51.51	+ 7 39.1	2.270	3.063	12.7	19.4

516344 2017 BL_{87} 11 13.1 163°.32 5°.3/ 7.9 18

10 8	3 35.61	− 0 33.6	2.999	3.813	9.8	21.7
10 18	3 30.92	− 1 35.5	2.934	3.818	7.9	21.6
10 28	3 24.92	− 2 33.0	2.895	3.822	6.1	21.5
11 7	3 18.08	− 3 22.0	2.884	3.827	5.3	21.5
11 17	3 10.97	− 3 59.0	2.903	3.830	5.9	21.5
11 27	3 4.18	− 4 21.4	2.950	3.834	7.5	21.6
12 7	2 58.28	− 4 28.3	3.023	3.836	9.4	21.7
12 17	2 53.69	− 4 20.0	3.120	3.839	11.1	21.9

264049 2009 RX_{49} 11 13.1 347°.75 2°.6/11.2 18

10 8	3 35.25	+14 29.4	1.856	2.697	13.9	19.4
10 18	3 31.57	+13 30.0	1.780	2.692	10.5	19.2
10 28	3 25.76	+12 23.6	1.727	2.688	6.7	18.9
11 7	3 18.50	+11 14.9	1.700	2.684	3.2	18.7
11 17	3 10.70	+10 9.5	1.701	2.681	3.7	18.7
11 27	3 3.39	+ 9 13.5	1.730	2.678	7.4	19.0
12 7	2 57.50	+ 8 31.4	1.786	2.676	11.1	19.2
12 17	2 53.66	+ 8 6.0	1.864	2.674	14.4	19.4

114746 2003 HN_{21} 11 13.1 149°.57 1°.7/11.9 18

10 8	3 41.09	+17 23.2	1.886	2.710	14.3	20.3
10 18	3 35.86	+16 22.0	1.813	2.717	10.9	20.0
10 28	3 28.40	+15 11.4	1.765	2.723	6.9	19.8
11 7	3 19.48	+13 55.8	1.743	2.728	2.8	19.6
11 17	3 10.09	+12 40.6	1.751	2.734	2.8	19.6
11 27	3 1.34	+11 32.3	1.788	2.738	6.9	19.9
12 7	2 54.16	+10 36.4	1.853	2.743	10.7	20.1
12 17	2 49.19	+ 9 56.3	1.941	2.747	14.1	20.3

244975 2004 BN_{55} 11 13.1 243°.59 6°.8/ 8.6 18

10 8	3 39.15	+ 0 18.3	2.064	2.890	13.2	21.0
10 18	3 34.28	− 0 41.1	1.988	2.881	10.6	20.9
10 28	3 27.39	− 1 35.3	1.937	2.872	8.2	20.7
11 7	3 19.12	− 2 18.6	1.912	2.863	6.8	20.6
11 17	3 10.30	− 2 45.9	1.914	2.854	7.5	20.6
11 27	3 1.90	− 2 53.4	1.944	2.844	9.8	20.8
12 7	2 54.80	− 2 40.2	1.998	2.834	12.6	20.9
12 17	2 49.62	− 2 7.5	2.074	2.824	15.1	21.1

280954 2006 BK_{200} 11 13.1 321°.58 5°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.11	+ 7 13.0	1.383	2.236	17.0	20.2
10 18	3 35.25	+ 6 22.6	1.309	2.225	13.2	19.9
10 28	3 28.49	+ 5 32.3	1.257	2.214	9.2	19.6
11 7	3 19.66	+ 4 48.8	1.228	2.203	6.1	19.4
11 17	3 9.94	+ 4 18.8	1.225	2.194	6.9	19.5
11 27	3 0.79	+ 4 8.1	1.246	2.184	10.7	19.6
12 7	2 53.52	+ 4 19.2	1.291	2.175	14.9	19.9
12 17	2 49.00	+ 4 51.8	1.356	2.167	18.7	20.1

452700 2005 YO_{72} 11 13.1 295°.28 0°.6/12.7 17

10 8	3 38.65	+17 7.8	2.079	2.904	13.2	22.0
10 18	3 34.07	+16 57.0	1.990	2.893	10.1	21.8
10 28	3 27.37	+16 40.2	1.925	2.882	6.5	21.5
11 7	3 19.15	+16 19.0	1.886	2.871	2.5	21.2
11 17	3 10.28	+15 56.0	1.875	2.861	1.9	21.2
11 27	3 1.78	+15 34.7	1.894	2.851	6.0	21.4
12 7	2 54.59	+15 18.6	1.940	2.840	9.8	21.6
12 17	2 49.42	+15 10.8	2.011	2.830	13.1	21.8

48457 Joseffried 11 13.1 148°.06 4°.1/15.4 18

10 8	3 45.52	+29 3.8	1.680	2.477	17.0	19.2
10 18	3 39.92	+29 20.4	1.604	2.482	13.6	19.0
10 28	3 31.37	+29 20.6	1.549	2.486	9.7	18.8
11 7	3 20.73	+29 2.3	1.519	2.490	5.8	18.5
11 17	3 9.30	+28 26.4	1.515	2.494	4.2	18.5
11 27	2 58.58	+27 37.2	1.540	2.497	7.0	18.6
12 7	2 49.88	+26 42.4	1.591	2.500	10.9	18.9
12 17	2 44.05	+25 49.6	1.666	2.503	14.5	19.1

193694 2001 FK_{25} 11 13.1 177°.62 8°.2/20.6 17

10 8	3 49.79	+49 16.3	3.074	3.716	13.0	21.1
10 18	3 42.72	+50 20.5	2.985	3.717	11.6	20.9
10 28	3 33.02	+51 7.3	2.917	3.719	10.2	20.8
11 7	3 21.38	+51 32.5	2.871	3.719	9.0	20.7
11 17	3 8.83	+51 33.2	2.850	3.720	8.3	20.7
11 27	2 56.66	+51 9.9	2.856	3.720	8.4	20.7
12 7	2 46.05	+50 26.5	2.889	3.719	9.3	20.8
12 17	2 37.88	+49 29.1	2.946	3.718	10.6	20.9

431218 2006 SK_{242} 11 13.1 274°.43 1°.2/13.6 18

10 8	3 44.21	+20 54.2	1.461	2.290	17.5	21.6
10 18	3 39.30	+21 6.3	1.380	2.283	13.6	21.4
10 28	3 31.20	+21 8.4	1.320	2.276	9.0	21.1
11 7	3 20.75	+21 0.0	1.284	2.269	3.9	20.8
11 17	3 9.24	+20 42.6	1.275	2.261	2.2	20.7
11 27	2 58.31	+20 20.6	1.292	2.254	7.4	21.0
12 7	2 49.42	+19 59.6	1.335	2.247	12.4	21.2
12 17	2 43.57	+19 45.4	1.400	2.239	16.7	21.5

333347 2001 TT_{72} 11 13.1 28°.65 0°.2/13.1 18

10 8	3 41.25	+18 17.4	1.117	1.973	20.0	20.0
10 18	3 37.25	+18 23.4	1.068	1.986	15.2	19.8
10 28	3 29.84	+18 19.8	1.038	2.001	9.7	19.5
11 7	3 20.14	+18 8.4	1.030	2.016	3.7	19.2
11 17	3 9.74	+17 52.3	1.046	2.033	2.4	19.2
11 27	3 0.41	+17 37.1	1.088	2.051	8.2	19.6
12 7	2 53.58	+17 28.2	1.152	2.070	13.3	20.0
12 17	2 50.02	+17 29.3	1.237	2.089	17.6	20.3

222239 2000 HN_{20} 11 13.1 328°.56 9°.7/12.7 18

10 8	3 54.28	+24 56.4	1.124	1.948	22.0	19.1
10 18	3 49.64	+28 2.5	1.028	1.919	18.3	18.7
10 28	3 39.82	+31 18.6	0.953	1.891	14.1	18.4
11 7	3 24.89	+34 31.0	0.901	1.864	10.4	18.1
11 17	3 6.13	+37 20.7	0.875	1.838	10.1	18.0
11 27	2 46.34	+39 32.2	0.875	1.814	13.8	18.1
12 7	2 28.94	+41 2.7	0.897	1.792	18.7	18.3
12 17	2 16.67	+42 1.4	0.939	1.772	23.4	18.5

403518 2010 AR_{101} 11 13.1 53°.19 3°.0/11.4 18

10 8	3 39.92	+11 28.6	1.840	2.675	14.2	21.3
10 18	3 34.77	+10 53.5	1.795	2.702	10.7	21.1
10 28	3 27.56	+10 16.8	1.772	2.730	6.9	20.9
11 7	3 19.12	+ 9 42.3	1.777	2.758	3.5	20.8
11 17	3 10.40	+ 9 14.0	1.809	2.786	3.8	20.9
11 27	3 2.43	+ 8 55.4	1.870	2.815	7.1	21.1
12 7	2 56.04	+ 8 48.8	1.957	2.843	10.5	21.4
12 17	2 51.74	+ 8 55.0	2.068	2.871	13.4	21.6

457003 2008 CU_{76} 11 13.1 34°.80 19°.7/24.2 17

10 8	3 55.20	+51 51.6	1.046	1.780	28.8	20.5
10 18	3 51.71	+54 27.4	0.996	1.785	26.4	20.3
10 28	3 41.43	+56 26.3	0.957	1.791	23.8	20.2
11 7	3 25.28	+57 30.9	0.933	1.797	21.6	20.1
11 17	3 6.29	+57 28.0	0.923	1.804	20.1	20.0
11 27	2 49.00	+56 17.4	0.931	1.811	19.8	20.0
12 7	2 37.09	+54 15.0	0.956	1.819	20.7	20.1
12 17	2 32.06	+51 43.7	0.998	1.828	22.6	20.3

73848 1996 SC_1 11 13.1 150°.89 1°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.68	+17 48.3	1.722	2.545	15.6	19.8
10 18	3 38.84	+17 17.9	1.652	2.553	11.9	19.5
10 28	3 30.43	+16 38.9	1.604	2.561	7.5	19.3
11 7	3 20.31	+15 53.9	1.582	2.568	2.9	19.0
11 17	3 9.61	+15 7.1	1.589	2.574	2.4	19.0
11 27	2 59.62	+14 23.8	1.625	2.580	7.0	19.3
12 7	2 51.43	+13 49.4	1.688	2.585	11.2	19.6
12 17	2 45.76	+13 27.3	1.774	2.589	14.8	19.8

441926 2010 JL_{13} 11 13.1 23°.03 5°.6/ 9.7 18

10 8	3 34.52	+10 39.6	1.230	2.097	17.7	19.6
10 18	3 31.57	+ 9 0.9	1.189	2.114	13.4	19.4
10 28	3 25.91	+ 7 19.4	1.170	2.132	9.0	19.2
11 7	3 18.56	+ 5 44.8	1.174	2.152	5.8	19.1
11 17	3 10.80	+ 4 26.6	1.203	2.173	6.9	19.2
11 27	3 3.97	+ 3 32.1	1.257	2.195	10.6	19.5
12 7	2 59.12	+ 3 4.4	1.333	2.218	14.5	19.8
12 17	2 56.84	+ 3 2.7	1.429	2.243	17.8	20.1

75648 2000 AW_{59} 11 13.1 345°.14 9°.7/19.3 18

10 8	3 42.40	+41 47.7	1.603	2.357	19.4	19.1
10 18	3 38.40	+42 37.8	1.523	2.352	16.8	18.9
10 28	3 30.85	+43 2.6	1.460	2.347	13.9	18.7
11 7	3 20.67	+42 56.0	1.418	2.342	11.3	18.5
11 17	3 9.35	+42 15.0	1.399	2.338	9.8	18.4
11 27	2 58.77	+41 2.7	1.404	2.335	10.4	18.4
12 7	2 50.58	+39 28.7	1.434	2.333	12.7	18.6
12 17	2 45.80	+37 44.9	1.486	2.331	15.6	18.8

173138 1995 QZ_4 11 13.1 141°.43 2°.8/14.8 17

10 8	3 46.19	+27 24.3	1.837	2.631	15.9	21.1
10 18	3 40.00	+27 17.1	1.764	2.643	12.5	20.9
10 28	3 31.18	+26 54.4	1.713	2.654	8.6	20.7
11 7	3 20.61	+26 16.1	1.688	2.665	4.6	20.5
11 17	3 9.47	+25 24.3	1.692	2.674	2.9	20.4
11 27	2 59.08	+24 24.4	1.725	2.684	6.2	20.6
12 7	2 50.57	+23 23.4	1.785	2.692	10.1	20.9
12 17	2 44.67	+22 28.0	1.871	2.699	13.6	21.1

225040 2007 GO_5 11 13.1 151°.07 0°.5/13.5 18

10 8	3 38.59	+21 21.9	2.774	3.575	10.9	21.7
10 18	3 33.41	+21 6.5	2.694	3.583	8.3	21.5
10 28	3 26.63	+20 43.9	2.639	3.590	5.4	21.3
11 7	3 18.81	+20 15.0	2.612	3.596	2.2	21.1
11 17	3 10.63	+19 41.9	2.616	3.603	1.3	21.0
11 27	3 2.84	+19 7.5	2.651	3.608	4.4	21.3
12 7	2 56.12	+18 35.1	2.715	3.614	7.4	21.5
12 17	2 50.97	+18 7.8	2.805	3.619	10.0	21.7

230722 2003 UD_{202} 11 13.1 353°.33 4°.4/10.3 18

10 8	3 33.14	+10 25.6	1.569	2.425	15.2	18.8
10 18	3 30.34	+ 9 23.0	1.498	2.417	11.6	18.6
10 28	3 25.16	+ 8 16.8	1.450	2.411	7.8	18.4
11 7	3 18.35	+ 7 13.0	1.426	2.405	4.7	18.2
11 17	3 10.91	+ 6 18.4	1.429	2.401	5.5	18.2
11 27	3 4.00	+ 5 39.2	1.457	2.398	9.1	18.4
12 7	2 58.65	+ 5 19.3	1.510	2.397	12.9	18.7
12 17	2 55.57	+ 5 19.7	1.583	2.396	16.4	18.9

178144 2006 TZ_{75} 11 13.1 23°.47 0°.6/12.8 18

10 8	3 40.51	+17 3.8	1.732	2.563	15.1	20.1
10 18	3 35.77	+17 0.4	1.660	2.566	11.5	19.9
10 28	3 28.56	+16 50.8	1.611	2.570	7.4	19.6
11 7	3 19.66	+16 36.6	1.587	2.573	2.8	19.3
11 17	3 10.11	+16 20.4	1.591	2.577	2.1	19.3
11 27	3 1.14	+16 5.9	1.623	2.581	6.6	19.6
12 7	2 53.83	+15 57.0	1.681	2.586	10.8	19.9
12 17	2 48.90	+15 56.4	1.763	2.590	14.3	20.1

388225 2006 JA_{18} 11 13.1 116°.92 0°.9/12.7 18

10 8	3 46.59	+14 19.3	1.930	2.746	14.4	20.6
10 18	3 40.07	+14 39.6	1.859	2.757	11.0	20.4
10 28	3 31.16	+14 57.6	1.812	2.767	7.0	20.2
11 7	3 20.63	+15 13.9	1.792	2.777	2.7	20.0
11 17	3 9.50	+15 29.3	1.802	2.787	2.1	20.0
11 27	2 58.97	+15 45.7	1.842	2.797	6.3	20.2
12 7	2 50.07	+16 5.1	1.910	2.806	10.2	20.5
12 17	2 43.50	+16 29.5	2.003	2.815	13.4	20.7

446522 2014 LQ_{11} 11 13.1 197°.23 0°.1/13.1 18

10 8	3 40.62	+20 7.0	2.315	3.124	12.5	22.2
10 18	3 35.30	+19 40.0	2.228	3.122	9.6	22.0
10 28	3 28.02	+19 4.5	2.165	3.118	6.2	21.8
11 7	3 19.40	+18 22.0	2.129	3.114	2.4	21.6
11 17	3 10.27	+17 35.5	2.124	3.110	1.5	21.5
11 27	3 1.56	+16 49.1	2.149	3.105	5.4	21.8
12 7	2 54.13	+16 7.3	2.202	3.100	8.9	22.0
12 17	2 48.59	+15 33.6	2.281	3.094	12.0	22.2

223391 2003 SB_{92} 11 13.1 94°.15 1°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.03	+16 0.7	2.320	3.141	12.1	20.8
10 18	3 33.16	+15 26.1	2.253	3.154	9.1	20.7
10 28	3 26.53	+14 46.3	2.210	3.168	5.8	20.5
11 7	3 18.79	+14 4.0	2.196	3.181	2.3	20.3
11 17	3 10.70	+13 22.5	2.210	3.194	2.2	20.3
11 27	3 3.12	+12 45.5	2.255	3.207	5.6	20.5
12 7	2 56.76	+12 16.6	2.328	3.219	8.8	20.8
12 17	2 52.17	+11 57.7	2.426	3.232	11.6	21.0

44088 1998 FW_{101} 11 13.1 157°.27 4°.0/15.4 18

10 8	3 46.84	+29 5.1	1.752	2.543	16.6	19.8
10 18	3 40.83	+29 19.8	1.675	2.549	13.3	19.6
10 28	3 31.92	+29 18.5	1.619	2.554	9.5	19.4
11 7	3 20.99	+28 59.1	1.588	2.559	5.6	19.2
11 17	3 9.29	+28 22.5	1.585	2.564	4.0	19.1
11 27	2 58.30	+27 33.0	1.611	2.567	6.8	19.3
12 7	2 49.29	+26 38.0	1.663	2.571	10.6	19.5
12 17	2 43.09	+25 44.9	1.740	2.573	14.2	19.8

441918 2010 GN_{127} 11 13.1 95°.58 3°.4/10.9 18

10 8	3 41.62	+10 19.3	2.000	2.827	13.5	22.0
10 18	3 35.95	+ 9 33.4	1.947	2.850	10.2	21.9
10 28	3 28.31	+ 8 46.3	1.918	2.873	6.7	21.7
11 7	3 19.46	+ 8 2.1	1.916	2.895	3.8	21.6
11 17	3 10.31	+ 7 25.0	1.944	2.917	4.2	21.6
11 27	3 1.85	+ 6 59.0	2.000	2.938	7.2	21.9
12 7	2 54.87	+ 6 46.2	2.084	2.959	10.4	22.1
12 17	2 49.93	+ 6 47.5	2.191	2.980	13.2	22.3

363901 2005 SW_{169} 11 13.1 355°.49 2°.4/11.4 17

10 8	3 36.12	+15 39.6	1.728	2.570	14.7	21.1
10 18	3 32.39	+14 35.9	1.655	2.567	11.1	20.8
10 28	3 26.37	+13 23.8	1.604	2.565	7.1	20.6
11 7	3 18.81	+12 8.0	1.579	2.564	3.2	20.4
11 17	3 10.69	+10 54.8	1.582	2.563	3.6	20.4
11 27	3 3.13	+ 9 50.9	1.613	2.563	7.6	20.6
12 7	2 57.11	+ 9 1.9	1.670	2.563	11.5	20.9
12 17	2 53.29	+ 8 30.6	1.749	2.563	15.0	21.1

90997 1998 BC 11 13.1 179°.80 4°.9/15.9 18 R

10 8	3 44.40	+31 20.5	1.792	2.578	16.5	19.0
10 18	3 39.08	+31 44.9	1.711	2.578	13.4	18.8
10 28	3 30.88	+31 52.4	1.650	2.579	9.9	18.6
11 7	3 20.62	+31 40.4	1.615	2.579	6.4	18.4
11 17	3 9.53	+31 8.9	1.606	2.579	5.0	18.3
11 27	2 59.05	+30 21.6	1.625	2.578	7.1	18.4
12 7	2 50.48	+29 25.5	1.670	2.578	10.6	18.6
12 17	2 44.66	+28 28.6	1.740	2.577	14.0	18.9

115255 2003 SU_{160} 11 13.1 43°.14 4°.1/10.2 18

10 8	3 38.18	+12 1.0	1.694	2.536	14.9	19.4
10 18	3 33.89	+10 36.2	1.626	2.538	11.3	19.2
10 28	3 27.29	+ 9 5.6	1.582	2.541	7.5	19.0
11 7	3 19.16	+ 7 35.6	1.564	2.543	4.4	18.8
11 17	3 10.50	+ 6 13.9	1.574	2.545	5.2	18.8
11 27	3 2.47	+ 5 7.6	1.611	2.548	8.8	19.1
12 7	2 56.04	+ 4 21.3	1.674	2.550	12.5	19.3
12 17	2 51.86	+ 3 56.7	1.759	2.553	15.8	19.5

416769 2005 EC_{237} 11 13.1 278°.68 4°.2/15.9 17

10 8	3 41.06	+31 9.4	2.479	3.250	12.9	21.8
10 18	3 35.94	+31 41.3	2.378	3.236	10.5	21.6
10 28	3 28.64	+32 1.4	2.300	3.221	7.8	21.4
11 7	3 19.74	+32 7.7	2.247	3.207	5.3	21.2
11 17	3 10.08	+31 59.5	2.224	3.193	4.2	21.1
11 27	3 0.68	+31 38.4	2.229	3.178	5.8	21.2
12 7	2 52.53	+31 8.4	2.263	3.164	8.6	21.4
12 17	2 46.37	+30 34.5	2.322	3.149	11.3	21.5

19816 Wayneseyfert 11 13.1 213°.50 3°.5/11.3 18

10 8	3 43.59	+11 45.8	1.615	2.450	15.9	19.0
10 18	3 38.29	+11 4.6	1.537	2.445	12.2	18.8
10 28	3 30.29	+10 19.2	1.482	2.440	8.0	18.6
11 7	3 20.39	+ 9 34.2	1.452	2.434	4.1	18.3
11 17	3 9.71	+ 8 54.8	1.451	2.428	4.5	18.3
11 27	2 59.62	+ 8 26.6	1.476	2.421	8.6	18.6
12 7	2 51.29	+ 8 13.4	1.528	2.414	12.8	18.8
12 17	2 45.56	+ 8 16.9	1.601	2.407	16.6	19.0

203339 2001 UT_{60} 11 13.1 94°.01 1°.6/11.7 18 R

10 8	3 35.63	+15 18.3	2.557	3.379	11.1	20.5
10 18	3 31.24	+14 28.7	2.483	3.385	8.4	20.3
10 28	3 25.29	+13 34.0	2.434	3.392	5.3	20.1
11 7	3 18.33	+12 37.4	2.414	3.398	2.3	19.9
11 17	3 11.04	+11 42.4	2.424	3.405	2.5	20.0
11 27	3 4.16	+10 53.2	2.464	3.411	5.5	20.2
12 7	2 58.35	+10 13.0	2.532	3.417	8.4	20.4
12 17	2 54.10	+ 9 44.1	2.625	3.423	11.0	20.6

260741 2005 LV_{45} 11 13.1 109°.35 2°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.32	+16 38.3	2.059	2.883	13.3	21.1
10 18	3 34.30	+15 25.1	1.992	2.895	10.0	21.0
10 28	3 27.33	+14 3.8	1.949	2.907	6.3	20.8
11 7	3 19.12	+12 39.1	1.935	2.919	2.7	20.5
11 17	3 10.57	+11 16.8	1.951	2.931	3.0	20.6
11 27	3 2.63	+10 2.8	1.996	2.943	6.6	20.8
12 7	2 56.10	+ 9 2.2	2.069	2.954	10.1	21.1
12 17	2 51.55	+ 8 17.9	2.167	2.965	13.0	21.3

35921 1999 JU_{101} 11 13.1 244°.13 3°.5/11.7 18

10 8	3 44.44	+10 58.4	1.415	2.257	17.3	19.4
10 18	3 39.29	+10 37.8	1.342	2.253	13.3	19.2
10 28	3 31.10	+10 15.3	1.291	2.250	8.7	18.9
11 7	3 20.75	+ 9 55.0	1.264	2.246	4.4	18.7
11 17	3 9.49	+ 9 41.2	1.263	2.243	4.6	18.7
11 27	2 58.90	+ 9 38.4	1.289	2.239	9.1	18.9
12 7	2 50.33	+ 9 49.5	1.340	2.235	13.7	19.2
12 17	2 44.66	+10 15.5	1.412	2.231	17.7	19.4

118522 2000 EA_{16} 11 13.1 128°.85 0°.4/13.3 18

10 8	3 44.53	+20 38.3	1.842	2.656	15.1	21.1
10 18	3 38.60	+20 21.6	1.774	2.669	11.5	20.9
10 28	3 30.24	+19 55.0	1.728	2.682	7.4	20.7
11 7	3 20.29	+19 20.0	1.709	2.694	2.9	20.4
11 17	3 9.83	+18 39.8	1.719	2.706	1.7	20.4
11 27	3 0.07	+17 59.1	1.759	2.717	6.2	20.7
12 7	2 52.05	+17 23.1	1.826	2.728	10.2	20.9
12 17	2 46.43	+16 55.8	1.917	2.738	13.6	21.2

139053 2001 EP_{26} 11 13.1 279°.88 0°.4/13.3 18

10 8	3 42.15	+20 37.5	1.462	2.295	17.3	20.0
10 18	3 37.71	+20 23.3	1.379	2.285	13.4	19.8
10 28	3 30.20	+19 56.8	1.317	2.275	8.8	19.5
11 7	3 20.44	+19 19.5	1.279	2.265	3.5	19.1
11 17	3 9.67	+18 34.6	1.268	2.254	2.1	19.0
11 27	2 59.47	+17 48.3	1.283	2.244	7.5	19.3
12 7	2 51.25	+17 7.6	1.324	2.234	12.6	19.6
12 17	2 45.95	+16 38.3	1.386	2.224	16.9	19.8

91784 1999 TV_{216} 11 13.1 61°.60 1°.0/13.8 18

10 8	3 39.95	+22 14.5	1.975	2.790	14.2	19.6
10 18	3 34.98	+22 3.2	1.912	2.807	10.9	19.4
10 28	3 27.86	+21 41.9	1.872	2.824	7.1	19.2
11 7	3 19.36	+21 11.8	1.857	2.841	3.0	19.0
11 17	3 10.43	+20 35.6	1.872	2.858	1.7	19.0
11 27	3 2.14	+19 57.5	1.915	2.875	5.5	19.3
12 7	2 55.40	+19 22.2	1.986	2.893	9.2	19.5
12 17	2 50.78	+18 53.7	2.082	2.910	12.4	19.8

439055 2011 HP_{7} 11 13.1 171°.85 1°.0/12.6 18

10 8	3 43.55	+16 42.0	1.927	2.747	14.3	22.6
10 18	3 37.83	+16 23.1	1.850	2.750	10.9	22.4
10 28	3 29.79	+15 57.8	1.796	2.753	6.9	22.2
11 7	3 20.15	+15 28.1	1.769	2.755	2.7	21.9
11 17	3 9.91	+14 57.1	1.771	2.756	2.2	21.9
11 27	3 0.23	+14 29.0	1.803	2.757	6.4	22.2
12 7	2 52.11	+14 7.9	1.862	2.757	10.4	22.4
12 17	2 46.26	+13 56.7	1.945	2.757	13.8	22.6

150721 2001 QN_{21} 11 13.1 50°.15 4°.4/10.7 18

10 8	3 40.12	+11 58.5	1.317	2.170	17.7	19.3
10 18	3 35.78	+10 45.5	1.267	2.185	13.4	19.1
10 28	3 28.63	+ 9 27.9	1.238	2.199	8.7	18.9
11 7	3 19.69	+ 8 13.1	1.234	2.215	4.9	18.7
11 17	3 10.26	+ 7 9.0	1.255	2.230	5.6	18.8
11 27	3 1.78	+ 6 22.7	1.303	2.246	9.7	19.1
12 7	2 55.35	+ 5 58.0	1.374	2.263	13.8	19.4
12 17	2 51.65	+ 5 55.4	1.465	2.279	17.4	19.6

291242 2006 BW_{42} 11 13.1 134°.05 4°.5/10.0 18

10 8	3 38.15	+ 4 33.2	2.402	3.227	11.6	20.5
10 18	3 33.20	+ 3 56.7	2.334	3.231	9.0	20.3
10 28	3 26.58	+ 3 23.0	2.290	3.236	6.4	20.1
11 7	3 18.86	+ 2 55.8	2.274	3.240	4.6	20.0
11 17	3 10.76	+ 2 38.4	2.286	3.245	5.1	20.1
11 27	3 3.08	+ 2 33.5	2.328	3.249	7.4	20.2
12 7	2 56.53	+ 2 42.1	2.396	3.253	10.0	20.4
12 17	2 51.65	+ 3 4.2	2.488	3.257	12.4	20.6

8106 Carpino 11 13.1 179°.29 4°.3/16.2 18

10 8	3 45.70	+32 30.6	2.166	2.931	14.6	18.5
10 18	3 39.56	+32 35.7	2.079	2.933	11.9	18.3
10 28	3 30.94	+32 24.3	2.013	2.935	8.8	18.2
11 7	3 20.62	+31 54.6	1.974	2.935	5.7	18.0
11 17	3 9.65	+31 7.4	1.963	2.935	4.3	17.9
11 27	2 59.26	+30 6.6	1.982	2.934	6.2	18.0
12 7	2 50.53	+28 58.7	2.030	2.933	9.3	18.2
12 17	2 44.19	+27 50.8	2.103	2.930	12.3	18.4

346495 2008 UL_{75} 11 13.1 358°.70 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.23	+16 50.7	1.616	2.448	16.0	21.3
10 18	3 37.32	+16 47.4	1.541	2.448	12.2	21.0
10 28	3 29.71	+16 37.7	1.489	2.448	7.8	20.8
11 7	3 20.20	+16 23.3	1.462	2.448	3.0	20.5
11 17	3 9.93	+16 6.7	1.462	2.448	2.2	20.4
11 27	3 0.25	+15 52.1	1.489	2.448	7.1	20.7
12 7	2 52.36	+15 43.6	1.543	2.448	11.5	21.0
12 17	2 47.07	+15 44.2	1.620	2.448	15.3	21.2

82748 2001 QD_{6} 11 13.1 96°.49 2°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.36	+14 6.7	1.637	2.468	15.9	20.2
10 18	3 38.51	+13 29.1	1.582	2.489	12.0	20.0
10 28	3 30.18	+12 46.4	1.550	2.509	7.6	19.8
11 7	3 20.28	+12 2.8	1.545	2.529	3.4	19.6
11 17	3 9.97	+11 22.9	1.567	2.548	3.5	19.6
11 27	3 0.52	+10 51.6	1.618	2.567	7.5	19.9
12 7	2 52.93	+10 32.7	1.694	2.586	11.5	20.2
12 17	2 47.83	+10 27.9	1.794	2.604	14.9	20.5

247242 2001 QH_{287} 11 13.1 7°.39 9°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 32.15	+ 5 33.0	0.983	1.868	19.7	19.3
10 18	3 30.53	+ 3 32.7	0.938	1.868	15.5	19.1
10 28	3 25.68	+ 1 33.8	0.913	1.871	11.5	18.9
11 7	3 18.68	− 0 9.6	0.908	1.875	9.4	18.8
11 17	3 10.96	− 1 24.8	0.925	1.882	10.8	18.9
11 27	3 4.17	− 2 3.5	0.963	1.890	14.4	19.1
12 7	2 59.62	− 2 4.1	1.021	1.900	18.4	19.4
12 17	2 58.03	− 1 30.8	1.095	1.911	21.9	19.7

125493 2001 WQ_{28} 11 13.1 355°.27 2°.7/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.02	+14 16.7	1.149	2.015	18.9	19.1
10 18	3 34.19	+13 51.6	1.084	2.009	14.5	18.8
10 28	3 28.11	+13 19.9	1.039	2.004	9.3	18.5
11 7	3 19.68	+12 46.2	1.015	2.001	4.0	18.2
11 17	3 10.30	+12 16.0	1.016	2.000	4.0	18.2
11 27	3 1.67	+11 55.9	1.041	1.999	9.3	18.5
12 7	2 55.24	+11 50.5	1.088	2.000	14.5	18.8
12 17	2 51.93	+12 2.2	1.154	2.002	18.9	19.1

414529 2009 SX_{96} 11 13.1 116°.95 2°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.49	+27 43.4	2.330	3.120	13.0	20.6
10 18	3 34.49	+27 25.0	2.251	3.128	10.2	20.4
10 28	3 27.52	+26 53.4	2.196	3.135	7.1	20.2
11 7	3 19.27	+26 9.4	2.167	3.143	3.8	20.0
11 17	3 10.59	+25 15.0	2.168	3.150	2.4	19.9
11 27	3 2.44	+24 14.8	2.198	3.158	5.0	20.1
12 7	2 55.64	+23 13.9	2.258	3.165	8.3	20.3
12 17	2 50.78	+22 17.6	2.343	3.171	11.2	20.5

232585 2003 TQ_{14} 11 13.1 62°.65 0°.8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.59	+18 28.6	2.133	2.940	13.5	20.0
10 18	3 39.20	+19 10.1	2.064	2.955	10.4	19.8
10 28	3 30.59	+19 47.0	2.019	2.970	6.7	19.6
11 7	3 20.49	+20 18.5	2.002	2.986	2.8	19.4
11 17	3 9.83	+20 44.4	2.015	3.001	1.7	19.3
11 27	2 59.71	+21 5.8	2.059	3.017	5.4	19.6
12 7	2 51.08	+21 25.0	2.132	3.033	9.0	19.9
12 17	2 44.61	+21 44.6	2.230	3.049	12.0	20.1

157249 2004 RV_{128} 11 13.1 152°.72 2°.9/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.43	+12 50.2	1.835	2.666	14.4	20.9
10 18	3 36.23	+12 0.5	1.765	2.671	11.0	20.7
10 28	3 28.77	+11 6.0	1.718	2.676	7.1	20.4
11 7	3 19.79	+10 11.3	1.698	2.680	3.5	20.2
11 17	3 10.28	+ 9 21.3	1.706	2.684	3.9	20.3
11 27	3 1.38	+ 8 41.2	1.743	2.688	7.6	20.5
12 7	2 54.05	+ 8 14.9	1.807	2.691	11.3	20.7
12 17	2 48.95	+ 8 4.3	1.893	2.694	14.6	21.0

459716 2013 PB_{45} 11 13.1 283°.08 6°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.41	+39 46.4	2.389	3.122	14.3	21.1
10 18	3 36.50	+40 8.5	2.286	3.105	12.2	20.9
10 28	3 29.15	+40 12.4	2.203	3.089	9.9	20.7
11 7	3 20.02	+39 54.9	2.144	3.073	7.7	20.5
11 17	3 10.09	+39 15.0	2.111	3.056	6.6	20.4
11 27	3 0.56	+38 14.8	2.107	3.040	7.3	20.5
12 7	2 52.52	+37 0.2	2.130	3.023	9.4	20.6
12 17	2 46.79	+35 38.5	2.178	3.007	11.9	20.7

344028 2012 JV_{18} 11 13.1 190°.97 0°.1/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.79	+19 15.2	2.530	3.341	11.5	21.8
10 18	3 33.03	+18 54.8	2.445	3.341	8.8	21.7
10 28	3 26.55	+18 27.5	2.385	3.340	5.6	21.5
11 7	3 18.91	+17 54.9	2.353	3.339	2.2	21.2
11 17	3 10.83	+17 19.6	2.351	3.338	1.4	21.2
11 27	3 3.13	+16 44.7	2.380	3.336	4.9	21.4
12 7	2 56.53	+16 13.8	2.436	3.335	8.1	21.6
12 17	2 51.61	+15 49.9	2.519	3.333	10.9	21.8

210329 2007 TZ_{278} 11 13.1 3°.08 3°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.66	+25 25.5	1.584	2.402	16.9	20.9
10 18	3 37.17	+25 46.5	1.509	2.401	13.3	20.7
10 28	3 29.77	+25 54.2	1.454	2.401	9.2	20.4
11 7	3 20.29	+25 47.4	1.423	2.402	4.9	20.2
11 17	3 9.95	+25 26.9	1.419	2.402	3.3	20.1
11 27	3 0.23	+24 56.6	1.442	2.404	6.9	20.3
12 7	2 52.44	+24 22.9	1.491	2.405	11.1	20.6
12 17	2 47.42	+23 52.1	1.563	2.407	15.0	20.8

378153 2006 VK_{140} 11 13.1 312°.11 2°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.62	+14 14.6	1.324	2.173	17.9	21.0
10 18	3 37.60	+14 6.6	1.243	2.158	13.8	20.7
10 28	3 30.33	+13 53.7	1.182	2.144	8.9	20.4
11 7	3 20.62	+13 38.7	1.144	2.130	3.7	20.1
11 17	3 9.74	+13 25.2	1.132	2.117	3.4	20.0
11 27	2 59.36	+13 18.0	1.146	2.103	8.8	20.3
12 7	2 51.01	+13 21.5	1.183	2.091	14.0	20.6
12 17	2 45.74	+13 38.4	1.241	2.079	18.5	20.8

86513 2000 DU_{61} 11 13.1 201°.58 2°.8/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.33	+12 58.8	1.826	2.655	14.5	20.4
10 18	3 37.05	+12 16.6	1.747	2.652	11.1	20.2
10 28	3 29.39	+11 29.5	1.692	2.649	7.2	20.0
11 7	3 20.09	+10 41.5	1.663	2.645	3.5	19.8
11 17	3 10.14	+ 9 57.2	1.662	2.641	3.8	19.8
11 27	3 0.71	+ 9 21.8	1.690	2.636	7.6	20.0
12 7	2 52.86	+ 8 59.3	1.745	2.631	11.5	20.2
12 17	2 47.29	+ 8 51.8	1.823	2.625	15.0	20.4

522098 2015 YQ_{26} 11 13.1 335°.69 8°.0/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.87	+38 0.3	1.895	2.653	16.7	21.0
10 18	3 37.53	+39 3.0	1.805	2.642	14.2	20.8
10 28	3 30.19	+39 47.8	1.736	2.631	11.5	20.6
11 7	3 20.55	+40 9.8	1.689	2.621	9.1	20.4
11 17	3 9.78	+40 5.7	1.667	2.611	8.0	20.4
11 27	2 59.40	+39 36.9	1.671	2.603	8.9	20.4
12 7	2 50.86	+38 49.2	1.700	2.594	11.3	20.5
12 17	2 45.18	+37 50.9	1.752	2.587	14.1	20.7

72207 2000 YM_{139} 11 13.1 275°.42 1°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.98	+23 10.1	1.874	2.687	14.8	19.7
10 18	3 36.36	+22 55.6	1.774	2.668	11.6	19.5
10 28	3 29.17	+22 28.6	1.696	2.647	7.7	19.2
11 7	3 20.08	+21 49.7	1.644	2.627	3.5	18.9
11 17	3 10.10	+21 1.1	1.620	2.607	1.9	18.8
11 27	3 0.47	+20 7.8	1.625	2.586	6.3	19.0
12 7	2 52.36	+19 16.0	1.657	2.565	10.7	19.2
12 17	2 46.64	+18 31.6	1.713	2.544	14.5	19.4

353088 2009 DF_{118} 11 13.1 120°.48 2°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.69	+13 16.6	1.943	2.774	13.7	21.3
10 18	3 34.81	+12 31.8	1.874	2.780	10.4	21.1
10 28	3 27.82	+11 42.6	1.827	2.785	6.7	20.9
11 7	3 19.43	+10 52.8	1.808	2.791	3.2	20.7
11 17	3 10.57	+10 7.0	1.817	2.796	3.5	20.8
11 27	3 2.27	+ 9 29.8	1.855	2.802	7.0	21.0
12 7	2 55.41	+ 9 4.8	1.920	2.807	10.6	21.2
12 17	2 50.63	+ 8 53.9	2.009	2.812	13.8	21.4

220820 2004 TH_{303} 11 13.1 356°.83 0°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.01	+17 12.0	2.056	2.882	13.3	20.4
10 18	3 33.57	+16 51.7	1.977	2.881	10.1	20.2
10 28	3 27.07	+16 24.9	1.922	2.880	6.4	20.0
11 7	3 19.17	+15 53.9	1.894	2.880	2.5	19.8
11 17	3 10.73	+15 21.6	1.894	2.880	2.0	19.7
11 27	3 2.74	+14 52.1	1.923	2.879	5.9	20.0
12 7	2 56.10	+14 29.0	1.980	2.880	9.6	20.2
12 17	2 51.44	+14 15.3	2.060	2.880	12.8	20.4

286558 2002 CM_{184} 11 13.2 330°.81 5°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.12	+32 54.9	1.934	2.715	15.7	20.7
10 18	3 36.52	+33 22.5	1.848	2.709	12.9	20.5
10 28	3 29.28	+33 33.6	1.783	2.704	9.7	20.3
11 7	3 20.11	+33 25.5	1.742	2.700	6.7	20.1
11 17	3 10.12	+32 57.8	1.727	2.695	5.3	20.0
11 27	3 0.62	+32 13.6	1.740	2.691	7.0	20.1
12 7	2 52.82	+31 19.2	1.780	2.687	10.1	20.2
12 17	2 47.54	+30 22.0	1.844	2.684	13.2	20.4

207046 2004 XM_{31} 11 13.2 235°.45 7°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.60	− 1 24.9	1.893	2.715	14.4	20.4
10 18	3 37.12	− 2 5.0	1.821	2.710	11.7	20.2
10 28	3 29.38	− 2 37.0	1.772	2.704	9.0	20.0
11 7	3 20.08	− 2 55.0	1.748	2.698	7.4	19.9
11 17	3 10.18	− 2 54.6	1.751	2.692	8.0	19.9
11 27	3 0.78	− 2 33.2	1.781	2.685	10.4	20.1
12 7	2 52.85	− 1 51.1	1.837	2.679	13.2	20.2
12 17	2 47.09	− 0 50.5	1.914	2.672	16.0	20.4

358692 2008 AN_{17} 11 13.2 39°.57 4°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.01	+ 9 23.4	1.762	2.601	14.5	20.8
10 18	3 34.48	+ 8 40.0	1.697	2.606	11.1	20.6
10 28	3 27.70	+ 7 55.6	1.655	2.611	7.4	20.4
11 7	3 19.42	+ 7 15.0	1.638	2.616	4.4	20.2
11 17	3 10.62	+ 6 42.9	1.650	2.622	4.9	20.3
11 27	3 2.42	+ 6 23.6	1.688	2.628	8.2	20.5
12 7	2 55.75	+ 6 19.7	1.753	2.634	11.8	20.7
12 17	2 51.29	+ 6 31.6	1.839	2.640	14.9	21.0

275198 2009 WY_{134} 11 13.2 322°.33 2°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.21	+26 14.3	2.050	2.853	14.1	20.9
10 18	3 34.80	+26 30.0	1.959	2.843	11.2	20.7
10 28	3 28.05	+26 34.2	1.890	2.833	7.8	20.5
11 7	3 19.62	+26 26.2	1.848	2.823	4.3	20.3
11 17	3 10.44	+26 6.4	1.833	2.814	2.9	20.2
11 27	3 1.64	+25 37.9	1.846	2.806	5.8	20.3
12 7	2 54.27	+25 5.5	1.887	2.797	9.4	20.5
12 17	2 49.08	+24 34.3	1.952	2.789	12.7	20.7

52690 1998 FO_{2} 11 13.2 288°.01 20°.6/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 5.06	+47 1.2	1.158	1.890	26.6	18.9
10 18	4 0.62	+50 53.9	1.084	1.875	24.5	18.7
10 28	3 48.91	+54 31.2	1.026	1.861	22.5	18.5
11 7	3 29.35	+57 30.3	0.986	1.846	21.0	18.3
11 17	3 3.56	+59 26.2	0.965	1.831	20.6	18.3
11 27	2 36.43	+60 5.6	0.962	1.817	21.5	18.3
12 7	2 13.99	+59 37.0	0.977	1.802	23.4	18.3
12 17	2 0.15	+58 23.9	1.006	1.789	25.7	18.5

84656 2002 VS_{74} 11 13.2 159°.94 3°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.89	+11 44.5	1.790	2.618	14.8	19.8
10 18	3 38.19	+11 11.8	1.719	2.623	11.3	19.6
10 28	3 30.09	+10 36.3	1.672	2.628	7.3	19.3
11 7	3 20.35	+10 1.5	1.651	2.632	3.7	19.1
11 17	3 10.04	+ 9 31.8	1.658	2.636	3.9	19.2
11 27	3 0.35	+ 9 11.3	1.694	2.639	7.7	19.4
12 7	2 52.30	+ 9 3.3	1.757	2.642	11.5	19.6
12 17	2 46.61	+ 9 9.0	1.843	2.644	14.9	19.9

455459 2003 SP_{404} 11 13.2 329°.26 1°.4/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.62	+13 42.5	1.854	2.687	14.2	21.5
10 18	3 35.19	+13 52.4	1.765	2.672	10.9	21.2
10 28	3 28.36	+14 0.3	1.698	2.657	7.0	21.0
11 7	3 19.77	+14 7.8	1.657	2.642	2.9	20.7
11 17	3 10.35	+14 16.5	1.644	2.628	2.5	20.6
11 27	3 1.27	+14 28.7	1.659	2.615	6.7	20.9
12 7	2 53.60	+14 46.8	1.701	2.603	10.8	21.1
12 17	2 48.18	+15 12.5	1.767	2.591	14.4	21.3

264902 2002 TP_{88} 11 13.2 65°.60 1°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.19	+24 15.1	1.318	2.144	19.2	20.3
10 18	3 40.47	+23 54.1	1.272	2.172	14.8	20.1
10 28	3 31.65	+23 16.8	1.247	2.200	9.7	19.9
11 7	3 20.91	+22 25.0	1.245	2.228	4.3	19.7
11 17	3 9.79	+21 23.6	1.269	2.256	2.3	19.6
11 27	2 59.89	+20 20.5	1.321	2.284	7.2	20.0
12 7	2 52.42	+19 23.7	1.398	2.311	11.8	20.4
12 17	2 48.02	+18 39.2	1.498	2.338	15.7	20.7

170889 2004 RY_{329} 11 13.2 278°.69 4°.1/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 0.49	+ 4 27.3	1.082	1.914	22.1	19.7
10 18	3 52.85	+ 5 39.1	1.009	1.911	17.5	19.4
10 28	3 40.63	+ 7 7.8	0.954	1.909	11.8	19.1
11 7	3 24.78	+ 8 53.8	0.924	1.906	5.9	18.8
11 17	3 7.19	+10 53.3	0.921	1.903	5.0	18.7
11 27	2 50.38	+12 59.9	0.946	1.900	10.8	19.0
12 7	2 36.59	+15 7.7	0.996	1.897	16.7	19.4
12 17	2 27.21	+17 13.1	1.068	1.894	21.6	19.7

54040 2000 GZ_{112} 11 13.2 277°.10 1°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.36	+16 24.6	1.557	2.392	16.3	19.5
10 18	3 37.71	+16 9.5	1.472	2.380	12.6	19.3
10 28	3 30.17	+15 47.1	1.409	2.368	8.1	19.0
11 7	3 20.52	+15 19.7	1.370	2.356	3.2	18.7
11 17	3 9.90	+14 50.7	1.358	2.343	2.7	18.6
11 27	2 59.76	+14 25.3	1.374	2.331	7.7	18.9
12 7	2 51.41	+14 8.2	1.415	2.319	12.4	19.1
12 17	2 45.79	+14 3.2	1.479	2.306	16.6	19.4

16834 1997 WU_{22} 11 13.2 169°.55 6°.4/16.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 8.13	+36 28.1	1.328	2.082	22.7	18.9
10 18	3 58.22	+36 12.1	1.249	2.095	18.7	18.6
10 28	3 43.59	+35 23.5	1.188	2.105	13.9	18.4
11 7	3 25.68	+33 55.7	1.151	2.112	9.0	18.1
11 17	3 6.82	+31 49.7	1.142	2.116	6.4	18.0
11 27	2 49.65	+29 17.9	1.163	2.117	9.3	18.2
12 7	2 36.18	+26 39.9	1.213	2.115	14.2	18.5
12 17	2 27.31	+24 13.9	1.286	2.110	18.8	18.7

379145 2009 HP_{55} 11 13.2 109°.52 0°.5/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.80	+19 44.0	1.508	2.336	17.1	21.6
10 18	3 39.23	+19 5.7	1.446	2.350	13.1	21.4
10 28	3 30.86	+18 15.8	1.406	2.364	8.3	21.2
11 7	3 20.66	+17 17.4	1.392	2.378	3.2	20.9
11 17	3 9.92	+16 15.7	1.405	2.391	2.3	20.9
11 27	3 0.07	+15 17.8	1.446	2.404	7.3	21.2
12 7	2 52.27	+14 30.1	1.513	2.416	11.8	21.5
12 17	2 47.24	+13 56.9	1.603	2.428	15.6	21.8

488171 2015 XO_{57} 11 13.2 298°.08 4°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.95	+ 5 41.2	2.123	2.952	12.8	21.3
10 18	3 34.16	+ 5 11.2	2.046	2.948	9.9	21.1
10 28	3 27.40	+ 4 43.6	1.994	2.944	6.9	21.0
11 7	3 19.32	+ 4 22.1	1.969	2.940	4.7	20.8
11 17	3 10.71	+ 4 10.3	1.971	2.936	5.2	20.8
11 27	3 2.52	+ 4 11.3	2.003	2.932	7.8	21.0
12 7	2 55.59	+ 4 26.2	2.060	2.929	10.9	21.2
12 17	2 50.54	+ 4 55.0	2.141	2.925	13.7	21.4

488404 2016 WJ_{54} 11 13.2 350°.66 1°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.04	+15 58.6	1.369	2.217	17.4	20.4
10 18	3 36.16	+15 58.5	1.297	2.212	13.4	20.2
10 28	3 29.26	+15 52.5	1.245	2.207	8.6	19.9
11 7	3 20.17	+15 42.6	1.217	2.204	3.4	19.6
11 17	3 10.16	+15 31.7	1.215	2.201	2.6	19.5
11 27	3 0.78	+15 24.0	1.238	2.199	7.9	19.8
12 7	2 53.37	+15 23.9	1.286	2.198	12.8	20.1
12 17	2 48.86	+15 34.3	1.356	2.197	17.0	20.4

223208 2003 BQ_{48} 11 13.2 273°.54 0°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.63	+19 48.6	1.643	2.471	16.0	20.9
10 18	3 37.09	+19 28.0	1.552	2.456	12.3	20.6
10 28	3 29.76	+18 56.4	1.484	2.441	8.0	20.4
11 7	3 20.37	+18 15.4	1.440	2.425	3.1	20.0
11 17	3 10.03	+17 28.5	1.423	2.410	2.0	19.9
11 27	3 0.14	+16 41.4	1.435	2.394	7.1	20.2
12 7	2 51.97	+16 0.4	1.472	2.378	11.9	20.4
12 17	2 46.42	+15 30.7	1.532	2.362	16.0	20.7

307244 2002 JU_{122} 11 13.2 164°.26 4°.9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.92	+ 3 53.8	2.378	3.203	11.7	20.4
10 18	3 33.11	+ 3 7.7	2.308	3.205	9.2	20.3
10 28	3 26.60	+ 2 24.4	2.263	3.207	6.6	20.1
11 7	3 18.98	+ 1 48.2	2.245	3.209	4.9	20.0
11 17	3 10.96	+ 1 22.7	2.256	3.210	5.5	20.0
11 27	3 3.34	+ 1 11.1	2.295	3.211	7.7	20.2
12 7	2 56.86	+ 1 14.5	2.361	3.212	10.3	20.4
12 17	2 52.04	+ 1 32.8	2.451	3.213	12.7	20.5

184890 2005 UZ_{236} 11 13.2 29°.27 2°.7/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.03	+11 24.5	1.693	2.532	15.1	20.0
10 18	3 35.36	+11 12.6	1.631	2.541	11.4	19.8
10 28	3 28.31	+10 59.5	1.591	2.550	7.4	19.6
11 7	3 19.69	+10 48.2	1.576	2.560	3.6	19.4
11 17	3 10.52	+10 41.7	1.589	2.570	3.6	19.4
11 27	3 1.99	+10 43.3	1.630	2.580	7.4	19.7
12 7	2 55.10	+10 55.0	1.696	2.592	11.3	19.9
12 17	2 50.52	+11 17.7	1.786	2.603	14.6	20.2

454057 2012 HS_{82} 11 13.2 188°.28 7°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.85	−13 23.7	3.073	3.845	10.6	21.4
10 18	3 33.43	−14 11.2	3.013	3.844	9.3	21.3
10 28	3 26.64	−14 47.0	2.976	3.842	8.3	21.3
11 7	3 18.96	−15 7.2	2.966	3.841	7.9	21.2
11 17	3 10.99	−15 8.7	2.982	3.838	8.4	21.3
11 27	3 3.36	−14 50.2	3.024	3.836	9.5	21.3
12 7	2 56.66	−14 12.4	3.091	3.833	10.8	21.4
12 17	2 51.34	−13 17.6	3.179	3.829	12.2	21.6

392286 2010 CJ_{17} 11 13.2 181°.84 5°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.38	+ 2 43.7	2.191	3.012	12.7	21.4
10 18	3 35.87	+ 1 59.3	2.119	3.013	10.0	21.3
10 28	3 28.43	+ 1 18.9	2.072	3.013	7.3	21.1
11 7	3 19.71	+ 0 47.0	2.052	3.013	5.6	21.0
11 17	3 10.52	+ 0 27.7	2.061	3.012	6.2	21.0
11 27	3 1.79	+ 0 24.1	2.098	3.011	8.5	21.2
12 7	2 54.34	+ 0 36.9	2.161	3.009	11.3	21.4
12 17	2 48.77	+ 1 5.8	2.248	3.007	13.8	21.5

206504 2003 UN_{116} 11 13.2 293°.39 1°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.83	+14 4.7	1.720	2.555	15.1	20.4
10 18	3 36.28	+13 49.6	1.632	2.540	11.6	20.1
10 28	3 29.14	+13 30.0	1.566	2.526	7.5	19.8
11 7	3 20.12	+13 8.6	1.526	2.511	3.2	19.5
11 17	3 10.23	+12 48.6	1.513	2.497	3.1	19.5
11 27	3 0.73	+12 34.2	1.529	2.482	7.4	19.7
12 7	2 52.80	+12 29.2	1.570	2.468	11.8	20.0
12 17	2 47.30	+12 35.9	1.634	2.454	15.6	20.2

59595 1999 JK_{60} 11 13.2 137°29 2°7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.13	+25 48.1	1.641	2.445	17.0	18.2
10 18	3 41.13	+25 53.6	1.570	2.455	13.3	18.0
10 28	3 32.19	+25 44.5	1.520	2.465	9.1	17.8
11 7	3 21.25	+25 20.1	1.496	2.474	4.7	17.5
11 17	3 9.60	+24 42.1	1.499	2.482	2.9	17.5
11 27	2 58.73	+23 55.6	1.530	2.490	6.7	17.7
12 7	2 49.92	+23 7.7	1.589	2.498	10.9	18.0
12 17	2 43.95	+22 25.0	1.671	2.504	14.7	18.2

234398 2001 QG_{283} 11 13.2 60°52 0°5/13.5 17

10 8	3 45.09	+25 5.4	1.323	2.149	19.2	19.8
10 18	3 39.42	+23 46.7	1.281	2.181	14.6	19.7
10 28	3 30.83	+22 9.1	1.259	2.214	9.4	19.4
11 7	3 20.57	+20 18.1	1.262	2.247	3.7	19.2
11 17	3 10.14	+18 22.8	1.293	2.280	2.0	19.2
11 27	3 1.01	+16 34.2	1.352	2.313	7.3	19.6
12 7	2 54.26	+15 1.5	1.437	2.345	11.9	20.0
12 17	2 50.41	+13 50.2	1.545	2.377	15.7	20.3

47580 2000 AQ_{175} 11 13.2 11°22 0°5/12.9 18

10 8	3 29.52	+23 10.1	0.815	1.700	22.7	17.3
10 18	3 29.30	+21 56.2	0.770	1.704	17.4	17.0
10 28	3 25.27	+20 16.5	0.742	1.711	11.1	16.7
11 7	3 18.67	+18 19.2	0.733	1.720	4.2	16.4
11 17	3 11.26	+16 17.6	0.745	1.732	2.9	16.4
11 27	3 5.02	+14 27.8	0.779	1.746	9.6	16.8
12 7	3 1.42	+13 2.1	0.834	1.763	15.5	17.2
12 17	3 1.18	+12 6.5	0.907	1.782	20.4	17.6

159301 2006 BD_{62} 11 13.2 121°67 2°7/11.5 18

10 8	3 39.44	+10 9.6	2.319	3.143	12.0	19.8
10 18	3 34.36	+ 9 54.0	2.244	3.146	9.2	19.7
10 28	3 27.47	+ 9 37.9	2.194	3.149	6.0	19.5
11 7	3 19.36	+ 9 23.9	2.171	3.152	3.1	19.3
11 17	3 10.80	+ 9 14.6	2.178	3.155	3.4	19.3
11 27	3 2.65	+ 9 12.5	2.214	3.158	6.3	19.5
12 7	2 55.70	+ 9 19.3	2.278	3.160	9.4	19.7
12 17	2 50.51	+ 9 36.0	2.367	3.163	12.1	19.9

404946 1993 TO_{26} 11 13.2 4°28 6°8/ 8.1 18

10 8	3 32.32	+ 7 55.4	1.447	2.310	15.8	19.7
10 18	3 29.83	+ 5 55.2	1.390	2.310	12.2	19.5
10 28	3 24.92	+ 3 52.1	1.355	2.311	8.7	19.3
11 7	3 18.43	+ 1 56.3	1.345	2.314	6.8	19.2
11 17	3 11.39	+ 0 18.1	1.361	2.317	8.1	19.3
11 27	3 4.99	− 0 54.1	1.402	2.323	11.3	19.5
12 7	3 0.23	− 1 36.6	1.466	2.329	14.7	19.7
12 17	2 57.76	− 1 49.7	1.549	2.337	17.8	19.9

177697 2005 GF_{23} 11 13.2 105°28 3°2/11.5 17

10 8	3 43.96	+13 4.7	1.531	2.368	16.5	20.4
10 18	3 38.47	+12 15.9	1.473	2.382	12.5	20.2
10 28	3 30.34	+11 22.3	1.437	2.396	8.0	20.0
11 7	3 20.49	+10 28.7	1.427	2.410	3.9	19.7
11 17	3 10.14	+ 9 41.0	1.444	2.423	4.2	19.8
11 27	3 0.63	+ 9 4.7	1.489	2.436	8.3	20.1
12 7	2 53.05	+ 8 43.9	1.559	2.449	12.4	20.4
12 17	2 48.08	+ 8 40.0	1.652	2.461	16.0	20.6

55034 2001 QA_{49} 11 13.2 344°42 2°4/12.1 18

10 8	3 36.68	+15 23.6	1.152	2.017	18.9	18.5
10 18	3 34.08	+14 52.8	1.082	2.006	14.5	18.2
10 28	3 28.17	+14 13.1	1.031	1.997	9.3	17.9
11 7	3 19.85	+13 29.0	1.002	1.988	3.9	17.6
11 17	3 10.47	+12 46.6	0.997	1.981	3.9	17.5
11 27	3 1.77	+12 13.5	1.016	1.975	9.3	17.8
12 7	2 55.25	+11 55.6	1.057	1.971	14.7	18.1
12 17	2 51.88	+11 56.2	1.118	1.967	19.3	18.4

479442 2013 YM_{109} 11 13.2 260°09 4°8/10.7 18

10 8	3 41.37	+ 8 23.9	1.624	2.464	15.6	21.3
10 18	3 36.62	+ 7 37.4	1.549	2.457	12.0	21.0
10 28	3 29.30	+ 6 50.0	1.496	2.451	8.2	20.8
11 7	3 20.17	+ 6 7.1	1.468	2.445	5.1	20.6
11 17	3 10.30	+ 5 34.3	1.468	2.438	5.7	20.6
11 27	3 0.97	+ 5 16.6	1.494	2.432	9.3	20.8
12 7	2 53.32	+ 5 16.8	1.546	2.425	13.2	21.0
12 17	2 48.13	+ 5 35.3	1.619	2.419	16.7	21.3

4378 Voigt 11 13.2 180°98 3°5/10.7 18 R

10 8	3 41.21	+ 7 19.5	2.514	3.330	11.4	17.0
10 18	3 35.54	+ 6 48.2	2.436	3.332	8.8	16.8
10 28	3 28.15	+ 6 17.6	2.383	3.332	6.0	16.7
11 7	3 19.62	+ 5 50.9	2.359	3.332	3.8	16.5
11 17	3 10.66	+ 5 31.0	2.364	3.332	4.2	16.6
11 27	3 2.09	+ 5 21.0	2.400	3.330	6.7	16.7
12 7	2 54.64	+ 5 22.2	2.464	3.329	9.5	16.9
12 17	2 48.87	+ 5 35.4	2.553	3.326	12.0	17.1

306764 2001 AV_{22} 11 13.2 0°45 0°2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.06	+17 50.6	1.193	2.049	19.0	19.0
10 18	3 35.82	+18 7.2	1.127	2.046	14.6	18.7
10 28	3 29.25	+18 16.1	1.081	2.044	9.5	18.4
11 7	3 20.25	+18 18.4	1.057	2.043	3.7	18.1
11 17	3 10.25	+18 16.0	1.057	2.044	2.3	18.0
11 27	3 0.98	+18 13.0	1.082	2.047	8.1	18.4
12 7	2 53.95	+18 14.2	1.131	2.050	13.3	18.7
12 17	2 50.12	+18 23.7	1.200	2.055	17.8	19.0

41165 1999 VW_{170} 11 13.2 68°87 2°7/15.3 18

10 8	3 39.49	+28 27.7	2.143	2.936	13.9	18.3
10 18	3 34.71	+28 14.5	2.068	2.945	11.0	18.1
10 28	3 27.81	+27 47.1	2.015	2.954	7.7	17.9
11 7	3 19.52	+27 5.7	1.988	2.963	4.3	17.7
11 17	3 10.75	+26 12.5	1.990	2.972	2.8	17.7
11 27	3 2.56	+25 12.3	2.021	2.981	5.4	17.8
12 7	2 55.84	+24 10.8	2.081	2.990	8.7	18.1
12 17	2 51.20	+23 13.5	2.165	2.999	11.8	18.3

121552 1999 VU_{36} 11 13.2 44°46 2°2/12.0 18

10 8	3 40.64	+11 38.4	1.994	2.823	13.5	19.0
10 18	3 35.54	+11 34.0	1.926	2.830	10.3	18.8
10 28	3 28.34	+11 28.4	1.880	2.838	6.6	18.6
11 7	3 19.74	+11 24.0	1.862	2.845	3.1	18.4
11 17	3 10.62	+11 23.0	1.872	2.853	3.1	18.4
11 27	3 2.03	+11 28.1	1.911	2.861	6.5	18.7
12 7	2 54.86	+11 41.0	1.978	2.869	10.1	18.9
12 17	2 49.73	+12 2.8	2.068	2.878	13.2	19.1

63318 2001 FR_{36} 11 13.2 122°99 0°5/12.9 18

10 8	3 41.97	+18 29.2	2.090	2.905	13.5	20.2
10 18	3 36.44	+18 3.4	2.021	2.919	10.2	20.0
10 28	3 28.84	+17 30.3	1.976	2.932	6.5	19.8
11 7	3 19.92	+16 51.8	1.959	2.944	2.5	19.6
11 17	3 10.57	+16 11.2	1.971	2.956	1.8	19.5
11 27	3 1.80	+15 32.7	2.012	2.968	5.7	19.8
12 7	2 54.50	+15 0.5	2.082	2.980	9.4	20.1
12 17	2 49.24	+14 37.7	2.177	2.990	12.5	20.3

262250 2006 SR_{306} 11 13.2 12°56 2°7/11.6 18

10 8	3 38.33	+13 26.1	1.652	2.494	15.2	20.5
10 18	3 34.22	+12 48.2	1.584	2.496	11.6	20.3
10 28	3 27.70	+12 5.4	1.538	2.498	7.4	20.1
11 7	3 19.54	+11 21.9	1.517	2.501	3.5	19.8
11 17	3 10.78	+10 42.6	1.523	2.504	3.7	19.9
11 27	3 2.62	+10 12.5	1.557	2.508	7.7	20.1
12 7	2 56.09	+ 9 55.4	1.616	2.512	11.7	20.4
12 17	2 51.89	+ 9 53.3	1.698	2.516	15.2	20.6

328432 2008 TP_{9} 11 13.2 98°83 0°6/13.6 18

10 8	3 39.30	+20 50.9	2.509	3.315	11.8	21.3
10 18	3 34.16	+20 44.3	2.437	3.328	9.0	21.2
10 28	3 27.30	+20 30.6	2.390	3.341	5.8	21.0
11 7	3 19.31	+20 10.7	2.370	3.354	2.4	20.8
11 17	3 10.93	+19 46.4	2.381	3.367	1.3	20.7
11 27	3 3.01	+19 20.8	2.422	3.380	4.7	21.0
12 7	2 56.28	+18 57.1	2.491	3.393	7.8	21.2
12 17	2 51.27	+18 38.2	2.586	3.405	10.6	21.4

123986 2001 FC_{56} 11 13.2 114°87 2°6/15.2 18

10 8	3 40.74	+27 40.0	2.551	3.333	12.2	19.9
10 18	3 35.37	+27 48.7	2.474	3.345	9.7	19.7
10 28	3 28.13	+27 46.6	2.421	3.356	6.8	19.6
11 7	3 19.65	+27 33.2	2.395	3.367	3.9	19.4
11 17	3 10.72	+27 9.6	2.398	3.377	2.7	19.3
11 27	3 2.25	+26 38.5	2.431	3.388	4.8	19.5
12 7	2 55.04	+26 3.9	2.493	3.398	7.7	19.7
12 17	2 49.65	+25 30.0	2.582	3.408	10.4	19.9

223823 2004 TP_{111} 11 13.2 320°35 2°2/11.6 17

10 8	3 35.96	+15 35.7	1.900	2.736	13.8	20.3
10 18	3 32.28	+14 39.4	1.813	2.723	10.5	20.0
10 28	3 26.43	+13 34.8	1.750	2.710	6.7	19.8
11 7	3 19.06	+12 26.2	1.713	2.697	3.0	19.5
11 17	3 11.06	+11 18.7	1.704	2.685	3.3	19.5
11 27	3 3.48	+10 18.6	1.724	2.673	7.1	19.7
12 7	2 57.26	+ 9 31.1	1.769	2.662	11.0	20.0
12 17	2 53.10	+ 8 59.4	1.838	2.651	14.4	20.2

453463 2009 SC_{111} 11 13.2 96°32 0°8/13.8 18

10 8	3 39.96	+22 37.1	2.338	3.142	12.6	22.0
10 18	3 34.73	+22 14.5	2.271	3.160	9.6	21.8
10 28	3 27.67	+21 42.5	2.228	3.178	6.3	21.6
11 7	3 19.45	+21 2.5	2.212	3.195	2.7	21.4
11 17	3 10.88	+20 17.3	2.226	3.213	1.4	21.4
11 27	3 2.87	+19 30.8	2.271	3.230	4.9	21.6
12 7	2 56.18	+18 47.5	2.344	3.247	8.2	21.9
12 17	2 51.33	+18 10.8	2.443	3.263	11.0	22.1

46736 1997 UD_{21} 11 13.2 52°.28 2°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.78	+25 15.8	2.117	2.920	13.7	19.2
10 18	3 34.93	+25 20.4	2.047	2.933	10.7	19.1
10 28	3 27.97	+25 13.8	2.000	2.945	7.3	18.9
11 7	3 19.61	+24 56.3	1.979	2.958	3.7	18.7
11 17	3 10.77	+24 29.3	1.987	2.971	2.3	18.6
11 27	3 2.47	+23 56.5	2.024	2.984	5.3	18.8
12 7	2 55.62	+23 22.4	2.088	2.997	8.7	19.1
12 17	2 50.84	+22 51.5	2.178	3.010	11.8	19.3

23126 2000 AK_{95} 11 13.2 35°.46 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.14	+20 6.2	4.317	5.118	7.3	19.0
10 18	3 27.44	+19 55.4	4.230	5.120	5.5	18.8
10 28	3 22.79	+19 40.5	4.170	5.121	3.6	18.7
11 7	3 17.53	+19 22.4	4.138	5.122	1.4	18.5
11 17	3 12.04	+19 2.2	4.137	5.123	0.8	18.5
11 27	3 6.73	+18 41.5	4.167	5.125	2.9	18.7
12 7	3 2.02	+18 22.2	4.227	5.126	5.0	18.8
12 17	2 58.21	+18 5.7	4.315	5.127	6.8	18.9

247407 2002 CT_{51} 11 13.2 235°.63 2°.3/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.71	+15 1.1	1.570	2.404	16.3	20.8
10 18	3 38.67	+14 24.8	1.487	2.395	12.5	20.5
10 28	3 30.77	+13 41.0	1.426	2.386	8.1	20.2
11 7	3 20.83	+12 53.3	1.391	2.376	3.5	19.9
11 17	3 9.99	+12 6.7	1.383	2.365	3.5	19.9
11 27	2 59.68	+11 27.2	1.402	2.355	8.2	20.2
12 7	2 51.20	+11 0.3	1.447	2.343	12.8	20.4
12 17	2 45.40	+10 49.0	1.515	2.332	16.8	20.6

186966 2004 RA_{144} 11 13.2 64°.37 4°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.42	+ 8 4.1	1.983	2.818	13.4	19.7
10 18	3 33.70	+ 7 8.3	1.930	2.836	10.2	19.5
10 28	3 27.06	+ 6 12.9	1.900	2.854	6.9	19.4
11 7	3 19.22	+ 5 22.7	1.898	2.872	4.5	19.3
11 17	3 11.05	+ 4 42.5	1.923	2.890	5.1	19.3
11 27	3 3.49	+ 4 16.0	1.977	2.908	7.8	19.6
12 7	2 57.32	+ 4 5.3	2.057	2.926	10.8	19.8
12 17	2 53.08	+ 4 10.4	2.159	2.944	13.5	20.0

480470 2015 LO_{9} 11 13.2 127°.24 1°.7/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.33	+14 53.7	1.701	2.530	15.4	21.6
10 18	3 37.97	+14 33.2	1.631	2.537	11.7	21.4
10 28	3 30.08	+14 7.4	1.585	2.543	7.5	21.2
11 7	3 20.48	+13 39.1	1.564	2.549	3.1	20.9
11 17	3 10.26	+13 12.0	1.571	2.554	2.9	20.9
11 27	3 0.69	+12 50.4	1.606	2.560	7.2	21.2
12 7	2 52.85	+12 38.1	1.668	2.565	11.3	21.5
12 17	2 47.47	+12 37.5	1.753	2.570	14.9	21.7

85275 1994 LY 11 13.2 22°.15 34°.7/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 17.89	−65 23.4	0.279	1.101	61.7	15.7
10 18	3 22.67	−59 36.1	0.324	1.136	56.8	16.0
10 28	3 20.59	−53 57.6	0.370	1.179	51.7	16.2
11 7	3 16.56	−48 6.2	0.417	1.229	46.8	16.4
11 17	3 12.95	−41 53.9	0.468	1.283	42.4	16.6
11 27	3 11.26	−35 24.9	0.526	1.340	38.8	16.9
12 7	3 12.12	−28 53.0	0.594	1.400	36.2	17.2
12 17	3 15.61	−22 32.6	0.675	1.461	34.7	17.5

73570 4736 P–L 11 13.2 15°.98 3°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.59	+27 42.9	2.137	2.929	14.0	19.8
10 18	3 36.52	+28 12.2	2.055	2.930	11.2	19.6
10 28	3 29.15	+28 29.9	1.996	2.931	7.9	19.4
11 7	3 20.14	+28 34.7	1.962	2.933	4.8	19.2
11 17	3 10.45	+28 26.5	1.956	2.934	3.5	19.1
11 27	3 1.19	+28 7.7	1.980	2.936	5.8	19.3
12 7	2 53.40	+27 42.7	2.031	2.938	9.0	19.5
12 17	2 47.79	+27 16.5	2.107	2.940	12.1	19.7

347049 2010 EZ_{126} 11 13.2 246°.24 2°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.15	+11 37.1	1.851	2.680	14.4	21.1
10 18	3 37.03	+11 14.2	1.767	2.671	11.0	20.9
10 28	3 29.52	+10 48.7	1.706	2.662	7.2	20.6
11 7	3 20.30	+10 23.9	1.671	2.653	3.6	20.4
11 17	3 10.35	+10 3.4	1.664	2.644	3.8	20.4
11 27	3 0.82	+ 9 51.2	1.687	2.634	7.5	20.6
12 7	2 52.80	+ 9 50.2	1.735	2.624	11.4	20.8
12 17	2 47.04	+10 2.0	1.807	2.614	14.9	21.0

334159 2001 SB_{18} 11 13.2 27°.25 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.13	+15 16.6	1.154	2.013	19.2	19.8
10 18	3 36.38	+14 51.5	1.103	2.024	14.6	19.6
10 28	3 29.40	+14 19.2	1.071	2.035	9.3	19.3
11 7	3 20.26	+13 44.2	1.061	2.047	3.8	19.0
11 17	3 10.44	+13 11.8	1.076	2.061	3.5	19.1
11 27	3 1.60	+12 48.2	1.116	2.075	8.8	19.4
12 7	2 55.07	+12 38.0	1.179	2.090	13.7	19.7
12 17	2 51.63	+12 43.5	1.263	2.106	17.9	20.1

21399 Bateman 11 13.2 313°.65 3°.7/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.44	+13 18.7	1.345	2.196	17.5	18.5
10 18	3 36.43	+12 19.9	1.274	2.190	13.4	18.2
10 28	3 29.44	+11 13.5	1.223	2.185	8.7	17.9
11 7	3 20.32	+10 5.5	1.197	2.180	4.4	17.7
11 17	3 10.35	+ 9 3.4	1.197	2.175	5.0	17.7
11 27	3 1.07	+ 8 14.9	1.222	2.171	9.5	17.9
12 7	2 53.78	+ 7 45.7	1.271	2.166	14.2	18.2
12 17	2 49.35	+ 7 38.0	1.341	2.162	18.3	18.5

401327 2013 AG_{52} 11 13.2 335°.01 5°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.78	+ 4 35.5	1.439	2.281	17.1	19.9
10 18	3 38.91	+ 4 40.2	1.362	2.270	13.4	19.6
10 28	3 31.05	+ 4 52.2	1.307	2.260	9.3	19.4
11 7	3 20.99	+ 5 15.5	1.275	2.250	5.9	19.2
11 17	3 9.93	+ 5 53.0	1.269	2.241	6.1	19.1
11 27	2 59.39	+ 6 46.1	1.290	2.233	9.8	19.3
12 7	2 50.73	+ 7 53.8	1.336	2.226	14.1	19.6
12 17	2 44.90	+ 9 14.1	1.403	2.220	17.9	19.8

512506 2016 RR_{14} 11 13.2 53°.38 2°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.50	+25 1.8	1.391	2.218	18.4	21.1
10 18	3 38.01	+24 43.8	1.325	2.224	14.3	20.9
10 28	3 30.41	+24 8.6	1.278	2.230	9.6	20.6
11 7	3 20.67	+23 17.1	1.255	2.237	4.5	20.3
11 17	3 10.19	+22 13.4	1.258	2.244	2.5	20.2
11 27	3 0.57	+21 5.0	1.288	2.251	7.2	20.5
12 7	2 53.14	+20 0.5	1.343	2.258	12.0	20.8
12 17	2 48.70	+19 7.2	1.420	2.265	16.1	21.1

485341 2011 CO_{4} 11 13.2 218°.42 4°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.54	+34 10.2	2.669	3.421	12.5	21.6
10 18	3 36.21	+34 34.5	2.574	3.416	10.3	21.5
10 28	3 28.83	+34 45.4	2.502	3.411	7.9	21.3
11 7	3 20.01	+34 41.2	2.457	3.406	5.6	21.2
11 17	3 10.56	+34 21.3	2.439	3.401	4.6	21.1
11 27	3 1.46	+33 47.9	2.451	3.395	5.7	21.2
12 7	2 53.61	+33 5.2	2.492	3.389	8.0	21.3
12 17	2 47.67	+32 18.2	2.559	3.383	10.5	21.5

267853 2003 UL_{283} 11 13.2 343°.10 4°.1/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.57	+27 3.3	1.727	2.538	16.0	19.7
10 18	3 35.67	+27 48.3	1.639	2.525	12.9	19.4
10 28	3 28.99	+28 21.9	1.573	2.514	9.2	19.2
11 7	3 20.22	+28 41.3	1.531	2.503	5.6	19.0
11 17	3 10.42	+28 45.5	1.515	2.493	4.2	18.9
11 27	3 1.00	+28 36.4	1.526	2.485	6.9	19.0
12 7	2 53.26	+28 18.8	1.563	2.477	10.8	19.2
12 17	2 48.15	+27 58.7	1.624	2.470	14.4	19.4

220990 2005 NQ_{34} 11 13.2 146°.94 1°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.68	+22 35.7	1.657	2.473	16.4	21.1
10 18	3 39.24	+22 29.3	1.583	2.478	12.7	20.9
10 28	3 31.04	+22 10.8	1.531	2.483	8.4	20.7
11 7	3 20.91	+21 40.8	1.504	2.488	3.7	20.4
11 17	3 10.07	+21 1.8	1.505	2.492	2.0	20.3
11 27	2 59.91	+20 19.1	1.534	2.495	6.6	20.6
12 7	2 51.65	+19 38.8	1.590	2.499	11.0	20.9
12 17	2 46.06	+19 6.2	1.670	2.502	14.8	21.1

439169 2011 UQ_{404} 11 13.2 84°.81 4°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.65	+34 31.3	1.997	2.759	15.8	21.2
10 18	3 40.21	+34 30.7	1.939	2.789	12.8	21.0
10 28	3 31.31	+34 10.9	1.903	2.818	9.5	20.9
11 7	3 20.90	+33 30.8	1.891	2.848	6.4	20.7
11 17	3 10.15	+32 32.4	1.908	2.876	4.9	20.7
11 27	3 0.32	+31 20.8	1.953	2.904	6.3	20.9
12 7	2 52.40	+30 3.6	2.027	2.932	9.2	21.1
12 17	2 47.00	+28 48.4	2.127	2.958	12.0	21.3

211800 2004 CW_{120} 11 13.2 43°.44 3°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.04	+10 39.6	1.802	2.640	14.3	20.2
10 18	3 34.55	+ 9 50.7	1.734	2.643	10.9	20.0
10 28	3 27.83	+ 8 59.2	1.689	2.646	7.2	19.8
11 7	3 19.63	+ 8 9.9	1.670	2.649	4.1	19.6
11 17	3 10.89	+ 7 27.8	1.678	2.653	4.6	19.6
11 27	3 2.72	+ 6 57.8	1.715	2.656	8.0	19.9
12 7	2 56.06	+ 6 42.9	1.777	2.660	11.6	20.1
12 17	2 51.55	+ 6 44.3	1.862	2.663	14.7	20.3

109882 2001 SM_{2} 11 13.2 330°.29 1°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.94	+15 54.0	1.808	2.642	14.5	19.5
10 18	3 34.64	+15 28.3	1.729	2.637	11.1	19.3
10 28	3 28.00	+14 56.1	1.673	2.632	7.1	19.0
11 7	3 19.74	+14 20.3	1.642	2.628	2.9	18.8
11 17	3 10.81	+13 44.7	1.640	2.624	2.6	18.7
11 27	3 2.37	+13 13.9	1.665	2.620	6.8	19.0
12 7	2 55.44	+12 52.1	1.717	2.617	10.9	19.2
12 17	2 50.74	+12 42.2	1.792	2.613	14.4	19.5

299107 2005 EY_{129} 11 13.2 126°.00 7°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.23	+39 44.2	2.111	2.843	15.9	21.2
10 18	3 41.09	+40 17.9	2.035	2.855	13.5	21.0
10 28	3 32.18	+40 31.4	1.979	2.866	10.8	20.8
11 7	3 21.35	+40 21.2	1.948	2.876	8.4	20.7
11 17	3 9.84	+39 46.1	1.942	2.886	7.1	20.7
11 27	2 59.04	+38 49.4	1.965	2.896	7.8	20.7
12 7	2 50.16	+37 38.1	2.014	2.905	10.0	20.9
12 17	2 43.97	+36 20.7	2.089	2.914	12.5	21.1

454704 2014 SZ_{103} 11 13.2 109°.42 0°.2/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.37	+18 30.0	2.380	3.193	12.1	21.8
10 18	3 34.33	+18 15.4	2.307	3.203	9.2	21.7
10 28	3 27.48	+17 54.7	2.258	3.212	5.9	21.5
11 7	3 19.46	+17 29.2	2.236	3.222	2.3	21.2
11 17	3 11.02	+17 1.5	2.245	3.231	1.5	21.2
11 27	3 3.04	+16 34.7	2.283	3.240	5.1	21.5
12 7	2 56.28	+16 12.0	2.350	3.249	8.4	21.7
12 17	2 51.29	+15 56.3	2.442	3.258	11.2	21.9

313923 2004 RK_{17} 11 13.2 121°.94 3°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.57	+ 9 33.7	2.166	2.997	12.5	20.6
10 18	3 33.08	+ 8 37.2	2.095	3.000	9.5	20.4
10 28	3 26.74	+ 7 38.9	2.047	3.002	6.4	20.2
11 7	3 19.18	+ 6 43.3	2.028	3.004	3.9	20.1
11 17	3 11.19	+ 5 55.1	2.037	3.006	4.5	20.1
11 27	3 3.65	+ 5 18.5	2.075	3.008	7.3	20.3
12 7	2 57.35	+ 4 56.4	2.139	3.010	10.4	20.5
12 17	2 52.85	+ 4 49.8	2.227	3.012	13.1	20.7

311778 2006 UO_{42} 11 13.2 314°.52 0°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.47	+17 2.4	1.869	2.695	14.4	20.8
10 18	3 35.79	+16 55.7	1.787	2.690	11.0	20.6
10 28	3 28.75	+16 43.0	1.728	2.685	7.1	20.4
11 7	3 20.04	+16 25.8	1.695	2.681	2.7	20.1
11 17	3 10.64	+16 6.7	1.690	2.676	2.0	20.0
11 27	3 1.69	+15 49.2	1.714	2.672	6.4	20.3
12 7	2 54.24	+15 37.2	1.764	2.667	10.4	20.5
12 17	2 49.02	+15 33.7	1.839	2.663	13.9	20.7

152731 1998 VU_{43} 11 13.2 358°.06 3°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.45	+12 50.1	1.143	2.008	19.0	19.2
10 18	3 35.36	+12 27.9	1.080	2.004	14.6	18.9
10 28	3 28.98	+12 1.4	1.036	2.001	9.5	18.6
11 7	3 20.23	+11 35.1	1.015	2.000	4.4	18.3
11 17	3 10.53	+11 14.6	1.017	1.999	4.4	18.3
11 27	3 1.60	+11 5.4	1.043	2.000	9.5	18.6
12 7	2 54.90	+11 11.5	1.092	2.003	14.6	18.9
12 17	2 51.34	+11 34.1	1.160	2.006	19.0	19.2

318384 2004 XX_{7} 11 13.2 14°.28 7°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.92	+ 0 33.4	1.516	2.352	16.7	19.5
10 18	3 38.63	+ 0 11.8	1.453	2.353	13.3	19.2
10 28	3 30.63	− 0 0.4	1.412	2.355	9.9	19.0
11 7	3 20.78	+ 0 2.4	1.394	2.357	7.5	18.9
11 17	3 10.25	+ 0 24.2	1.403	2.359	7.9	19.0
11 27	3 0.41	+ 1 6.6	1.438	2.362	10.8	19.1
12 7	2 52.42	+ 2 8.4	1.497	2.366	14.2	19.4
12 17	2 47.05	+ 3 26.3	1.578	2.369	17.4	19.6

190963 2001 WD_{48} 11 13.2 353°.50 7°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.14	+ 2 42.0	1.255	2.107	18.4	19.1
10 18	3 37.86	+ 2 21.7	1.191	2.103	14.6	18.8
10 28	3 30.44	+ 2 9.9	1.147	2.099	10.5	18.6
11 7	3 20.78	+ 2 12.9	1.126	2.096	7.5	18.4
11 17	3 10.23	+ 2 35.5	1.129	2.094	8.0	18.4
11 27	3 0.38	+ 3 19.9	1.156	2.093	11.4	18.6
12 7	2 52.65	+ 4 25.0	1.207	2.093	15.6	18.9
12 17	2 47.91	+ 5 47.3	1.277	2.094	19.3	19.1

408505 2013 JZ_{25} 11 13.2 120°.28 3°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.56	+ 8 22.6	2.345	3.172	11.8	21.3
10 18	3 32.88	+ 7 22.2	2.278	3.180	9.0	21.1
10 28	3 26.53	+ 6 21.1	2.237	3.189	6.1	20.9
11 7	3 19.09	+ 5 23.8	2.224	3.197	4.0	20.8
11 17	3 11.30	+ 4 34.6	2.239	3.204	4.6	20.9
11 27	3 3.97	+ 3 57.4	2.284	3.212	7.1	21.1
12 7	2 57.79	+ 3 34.7	2.356	3.219	9.9	21.2
12 17	2 53.28	+ 3 27.1	2.452	3.227	12.4	21.4

48204 2001 KG_{8} 11 13.2 145°.12 2°.3/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.59	+14 44.7	1.524	2.362	16.5	19.1
10 18	3 37.74	+14 10.0	1.454	2.364	12.6	18.8
10 28	3 30.13	+13 28.6	1.405	2.365	8.1	18.6
11 7	3 20.61	+12 44.6	1.381	2.366	3.5	18.3
11 17	3 10.37	+12 2.7	1.384	2.367	3.5	18.3
11 27	3 0.80	+11 28.9	1.415	2.368	8.0	18.6
12 7	2 53.10	+11 7.8	1.471	2.369	12.5	18.9
12 17	2 48.06	+11 1.9	1.549	2.370	16.3	19.1

520592 2014 OC_{239} 11 13.2 47°.79 6°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.89	+ 0 26.1	1.969	2.798	13.6	21.1
10 18	3 34.19	− 0 25.8	1.909	2.803	10.9	20.9
10 28	3 27.50	− 1 11.2	1.871	2.808	8.3	20.8
11 7	3 19.50	− 1 44.8	1.860	2.814	6.8	20.7
11 17	3 11.06	− 2 2.0	1.876	2.819	7.4	20.8
11 27	3 3.15	− 1 59.8	1.918	2.824	9.6	20.9
12 7	2 56.60	− 1 38.1	1.986	2.830	12.3	21.1
12 17	2 52.01	− 0 58.3	2.075	2.836	14.8	21.3

405909 2006 HW_{103} 11 13.2 317°.87 8°.3/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.76	− 5 18.7	2.085	2.904	13.4	20.2
10 18	3 33.39	− 6 12.1	2.011	2.891	11.2	20.0
10 28	3 27.06	− 6 55.8	1.961	2.878	9.2	19.9
11 7	3 19.37	− 7 23.6	1.935	2.865	8.3	19.8
11 17	3 11.12	− 7 30.9	1.935	2.852	9.0	19.8
11 27	3 3.25	− 7 14.9	1.962	2.840	10.9	19.9
12 7	2 56.62	− 6 35.7	2.012	2.829	13.2	20.0
12 17	2 51.85	− 5 35.9	2.083	2.817	15.5	20.2

84644 2002 VW_{58} 11 13.2 343°.69 1°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.57	+15 30.8	1.705	2.542	15.0	19.5
10 18	3 34.47	+14 55.0	1.629	2.539	11.5	19.3
10 28	3 27.95	+14 12.2	1.575	2.536	7.3	19.0
11 7	3 19.76	+13 26.0	1.547	2.533	3.1	18.8
11 17	3 10.90	+12 41.1	1.547	2.530	3.0	18.8
11 27	3 2.58	+12 2.7	1.574	2.528	7.3	19.0
12 7	2 55.84	+11 35.6	1.627	2.526	11.4	19.3
12 17	2 51.42	+11 22.4	1.703	2.525	15.0	19.5

229661 2006 JV_{46} 11 13.2 233°.35 0°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.92	+22 37.0	2.778	3.577	10.9	20.6
10 18	3 33.10	+21 39.6	2.679	3.567	8.4	20.4
10 28	3 26.67	+20 31.5	2.606	3.557	5.4	20.2
11 7	3 19.18	+19 14.9	2.562	3.547	2.2	19.9
11 17	3 11.28	+17 53.4	2.549	3.536	1.3	19.9
11 27	3 3.73	+16 31.8	2.569	3.525	4.6	20.1
12 7	2 57.22	+15 15.0	2.618	3.514	7.8	20.3
12 17	2 52.26	+14 7.2	2.694	3.502	10.5	20.4

141516 2002 ER_{98} 11 13.2 160°.31 0°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.15	+19 22.7	1.754	2.572	15.5	20.7
10 18	3 39.36	+18 49.4	1.680	2.579	11.9	20.5
10 28	3 31.00	+18 5.7	1.629	2.584	7.6	20.3
11 7	3 20.92	+17 14.3	1.604	2.589	2.9	20.0
11 17	3 10.23	+16 19.2	1.608	2.594	2.0	19.9
11 27	3 0.22	+15 26.4	1.641	2.598	6.7	20.3
12 7	2 51.99	+14 41.5	1.701	2.601	11.0	20.5
12 17	2 46.25	+14 8.9	1.785	2.603	14.6	20.8

269515 2009 UA_{115} 11 13.2 219°.05 2°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.55	+15 26.7	1.616	2.452	15.8	21.3
10 18	3 36.85	+14 31.7	1.540	2.449	12.1	21.0
10 28	3 29.53	+13 28.0	1.486	2.446	7.7	20.8
11 7	3 20.39	+12 20.3	1.458	2.442	3.4	20.5
11 17	3 10.55	+11 14.6	1.457	2.439	3.6	20.5
11 27	3 1.32	+10 17.8	1.485	2.435	8.0	20.8
12 7	2 53.83	+ 9 35.5	1.538	2.431	12.3	21.0
12 17	2 48.85	+ 9 11.1	1.613	2.427	16.1	21.2

315874 2008 JX_{12} 11 13.2 184°.04 3°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.62	+ 7 49.9	2.686	3.504	10.7	21.9
10 18	3 33.56	+ 7 10.6	2.607	3.505	8.2	21.8
10 28	3 26.93	+ 6 31.3	2.555	3.504	5.6	21.6
11 7	3 19.28	+ 5 55.2	2.530	3.504	3.6	21.5
11 17	3 11.24	+ 5 25.6	2.536	3.502	4.0	21.5
11 27	3 3.54	+ 5 5.4	2.571	3.501	6.3	21.7
12 7	2 56.86	+ 4 56.5	2.635	3.499	9.0	21.8
12 17	2 51.68	+ 4 59.6	2.724	3.496	11.3	22.0

487228 2014 PZ_{4} 11 13.2 51°.42 0°.7/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.16	+17 4.8	1.886	2.712	14.2	21.0
10 18	3 35.32	+16 52.2	1.823	2.727	10.8	20.8
10 28	3 28.29	+16 33.5	1.784	2.742	6.9	20.6
11 7	3 19.84	+16 10.8	1.771	2.757	2.6	20.3
11 17	3 10.93	+15 46.9	1.786	2.772	2.0	20.3
11 27	3 2.63	+15 25.6	1.830	2.787	6.1	20.6
12 7	2 55.87	+15 10.5	1.901	2.803	9.8	20.9
12 17	2 51.26	+15 4.1	1.996	2.819	13.1	21.1

373073 2011 FE_{72} 11 13.2 296°.15 5°.5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.20	+ 2 45.1	2.340	3.169	11.8	21.1
10 18	3 31.96	+ 1 46.3	2.267	3.164	9.3	20.9
10 28	3 26.03	+ 0 50.4	2.218	3.159	6.9	20.7
11 7	3 18.95	+ 0 2.4	2.196	3.154	5.5	20.7
11 17	3 11.44	− 0 33.4	2.203	3.150	6.2	20.7
11 27	3 4.30	− 0 53.3	2.237	3.145	8.3	20.8
12 7	2 58.25	− 0 56.0	2.297	3.141	10.9	21.0
12 17	2 53.83	− 0 41.6	2.380	3.136	13.2	21.1

318749 2005 SK_{32} 11 13.2 75°.55 1°.5/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.27	+16 4.0	1.467	2.301	17.2	21.0
10 18	3 39.57	+15 39.4	1.416	2.324	13.0	20.7
10 28	3 31.13	+15 8.0	1.387	2.346	8.2	20.5
11 7	3 20.94	+14 33.1	1.383	2.369	3.3	20.3
11 17	3 10.31	+13 59.1	1.406	2.391	2.8	20.3
11 27	3 0.64	+13 31.1	1.457	2.413	7.5	20.7
12 7	2 53.04	+13 13.4	1.534	2.435	11.8	21.0
12 17	2 48.17	+13 8.5	1.633	2.456	15.5	21.3

300552 2007 TP_{272} 11 13.2 348°.05 2°.4/11.9 18

10 8	3 39.63	+13 48.6	1.619	2.460	15.6	20.7
10 18	3 35.39	+13 18.7	1.546	2.457	11.9	20.4
10 28	3 28.61	+12 43.7	1.495	2.455	7.6	20.2
11 7	3 20.05	+12 7.4	1.468	2.453	3.4	19.9
11 17	3 10.79	+11 34.1	1.469	2.451	3.5	19.9
11 27	3 2.09	+11 8.8	1.497	2.450	7.7	20.2
12 7	2 55.06	+10 55.6	1.550	2.449	11.9	20.4
12 17	2 50.48	+10 56.5	1.626	2.448	15.6	20.7

397559 2007 TT_{422} 11 13.2 124°.02 1°.0/12.7 18

10 8	3 44.77	+15 0.9	2.100	2.915	13.4	21.4
10 18	3 38.62	+15 4.4	2.030	2.927	10.2	21.2
10 28	3 30.35	+15 4.4	1.984	2.939	6.5	21.0
11 7	3 20.65	+15 2.2	1.966	2.951	2.6	20.8
11 17	3 10.45	+14 59.5	1.978	2.963	2.0	20.8
11 27	3 0.81	+14 58.7	2.019	2.974	5.9	21.1
12 7	2 52.63	+15 2.4	2.090	2.984	9.5	21.3
12 17	2 46.55	+15 12.6	2.185	2.994	12.5	21.5

128166 Carora 11 13.2 80°.40 4°.4/16.0 18

10 8	3 43.53	+31 3.6	2.317	3.088	13.6	19.5
10 18	3 37.92	+31 44.2	2.239	3.096	11.1	19.3
10 28	3 30.04	+32 12.2	2.183	3.104	8.2	19.1
11 7	3 20.58	+32 25.5	2.153	3.112	5.5	19.0
11 17	3 10.47	+32 23.4	2.151	3.120	4.4	18.9
11 27	3 0.81	+32 7.8	2.179	3.127	6.0	19.0
12 7	2 52.59	+31 42.9	2.235	3.135	8.7	19.2
12 17	2 46.52	+31 14.0	2.316	3.143	11.3	19.4

178369 1997 CZ_{23} 11 13.2 242°.87 1°.0/12.7 18

10 8	3 43.10	+17 27.3	1.502	2.337	16.9	21.1
10 18	3 38.31	+17 6.6	1.427	2.335	12.9	20.9
10 28	3 30.62	+16 37.2	1.373	2.333	8.3	20.6
11 7	3 20.87	+16 1.6	1.345	2.331	3.2	20.3
11 17	3 10.30	+15 23.7	1.343	2.328	2.5	20.2
11 27	3 0.36	+14 49.2	1.368	2.326	7.6	20.6
12 7	2 52.35	+14 23.5	1.419	2.324	12.3	20.8
12 17	2 47.10	+14 10.5	1.492	2.322	16.3	21.1

222057 1998 WS_{25} 11 13.2 24°.23 0°.4/13.4 18

10 8	3 40.54	+18 44.8	1.824	2.650	14.7	19.3
10 18	3 35.83	+18 58.4	1.755	2.657	11.3	19.1
10 28	3 28.76	+19 5.5	1.709	2.665	7.3	18.9
11 7	3 20.08	+19 6.7	1.688	2.673	2.9	18.7
11 17	3 10.79	+19 3.6	1.695	2.682	1.7	18.6
11 27	3 2.06	+18 58.8	1.731	2.692	6.0	18.9
12 7	2 54.91	+18 56.0	1.794	2.702	9.9	19.2
12 17	2 50.04	+18 58.1	1.880	2.712	13.4	19.4

174441 2002 XV_{40} 11 13.2 16°.40 1°.4/13.2 18

10 8	4 2.88	+ 6 31.6	1.376	2.185	19.4	18.3
10 18	3 53.88	+ 8 33.6	1.300	2.191	15.1	18.0
10 28	3 40.95	+10 50.4	1.247	2.198	9.9	17.7
11 7	3 25.03	+13 17.4	1.223	2.207	4.1	17.4
11 17	3 7.75	+15 46.3	1.231	2.216	2.7	17.4
11 27	2 51.21	+18 9.0	1.271	2.227	8.4	17.7
12 7	2 37.27	+20 20.6	1.341	2.238	13.5	18.1
12 17	2 27.10	+22 20.3	1.437	2.251	17.7	18.4

178307 1994 PS_{29} 11 13.2 79°.95 4°.5/10.8 16

10 8	3 45.16	+10 3.8	1.500	2.338	16.7	20.2
10 18	3 39.20	+ 8 59.1	1.459	2.367	12.7	20.0
10 28	3 30.73	+ 7 53.3	1.440	2.395	8.4	19.9
11 7	3 20.75	+ 6 52.8	1.446	2.424	4.9	19.7
11 17	3 10.48	+ 6 3.7	1.480	2.451	5.5	19.8
11 27	3 1.22	+ 5 31.2	1.541	2.479	9.0	20.1
12 7	2 53.95	+ 5 17.6	1.627	2.506	12.7	20.4
12 17	2 49.26	+ 5 22.7	1.736	2.532	15.9	20.7

484260 2007 GT_{62} 11 13.2 200°.90 0°.8/13.8 17

10 8	3 39.55	+21 37.9	2.489	3.293	11.9	22.5
10 18	3 34.57	+21 31.9	2.402	3.291	9.2	22.3
10 28	3 27.74	+21 18.1	2.338	3.288	6.0	22.1
11 7	3 19.65	+20 57.1	2.303	3.286	2.6	21.9
11 17	3 11.05	+20 30.8	2.297	3.283	1.4	21.8
11 27	3 2.82	+20 2.0	2.321	3.281	4.8	22.0
12 7	2 55.74	+19 34.4	2.375	3.278	8.1	22.2
12 17	2 50.42	+19 11.4	2.454	3.274	11.0	22.4

396922 2005 EG_{157} 11 13.2 282°.18 6°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.28	+ 5 35.4	1.782	2.622	14.4	21.2
10 18	3 34.14	+ 4 12.2	1.705	2.611	11.3	20.9
10 28	3 27.71	+ 2 48.2	1.650	2.599	8.2	20.7
11 7	3 19.70	+ 1 30.7	1.622	2.587	6.3	20.6
11 17	3 11.02	+ 0 26.9	1.621	2.576	7.2	20.6
11 27	3 2.79	− 0 17.0	1.646	2.564	10.1	20.8
12 7	2 55.99	− 0 37.8	1.696	2.552	13.5	21.0
12 17	2 51.36	− 0 35.4	1.768	2.540	16.5	21.1

379874 2012 HB_{39} 11 13.2 254°.31 3°.4/11.5 17

10 8	3 42.54	+12 55.6	1.417	2.261	17.2	20.9
10 18	3 37.95	+12 9.4	1.345	2.258	13.2	20.7
10 28	3 30.42	+11 17.3	1.294	2.254	8.6	20.4
11 7	3 20.80	+10 24.4	1.267	2.251	4.2	20.2
11 17	3 10.36	+ 9 36.8	1.267	2.247	4.6	20.2
11 27	3 0.57	+ 9 1.1	1.294	2.243	9.1	20.4
12 7	2 52.75	+ 8 42.0	1.345	2.239	13.7	20.7
12 17	2 47.73	+ 8 41.7	1.417	2.235	17.6	20.9

368849 2006 EQ_{63} 11 13.2 268°.00 1°.5/11.9 17

10 8	3 36.97	+16 0.7	2.359	3.181	11.9	21.3
10 18	3 32.65	+15 15.1	2.269	3.172	9.0	21.1
10 28	3 26.54	+14 23.0	2.205	3.162	5.8	20.9
11 7	3 19.19	+13 27.3	2.168	3.153	2.4	20.6
11 17	3 11.35	+12 31.9	2.161	3.143	2.5	20.6
11 27	3 3.85	+11 41.4	2.183	3.133	5.8	20.8
12 7	2 57.49	+10 59.6	2.233	3.123	9.2	21.0
12 17	2 52.83	+10 29.6	2.309	3.114	12.1	21.2

395097 2009 KG_{37} 11 13.2 77°.00 16°.1/10.1 17

10 8	3 52.37	−12 41.5	1.016	1.842	23.7	20.3
10 18	3 46.10	−13 41.2	0.971	1.845	20.6	20.1
10 28	3 35.87	−14 11.7	0.942	1.848	17.8	19.9
11 7	3 22.94	−14 0.2	0.932	1.851	16.2	19.9
11 17	3 9.15	−12 59.6	0.943	1.855	16.6	19.9
11 27	2 56.64	−11 11.1	0.974	1.858	18.7	20.0
12 7	2 47.06	− 8 44.7	1.025	1.861	21.7	20.3
12 17	2 41.29	− 5 53.0	1.093	1.865	24.7	20.5

274183 2008 GT_{92} 11 13.2 193°.20 3°.0/11.7 18

10 8	3 45.39	+10 50.6	1.924	2.746	14.2	21.7
10 18	3 39.38	+10 28.9	1.844	2.744	10.9	21.5
10 28	3 31.00	+10 5.6	1.787	2.742	7.1	21.3
11 7	3 20.97	+ 9 43.7	1.758	2.739	3.7	21.1
11 17	3 10.28	+ 9 26.6	1.757	2.735	3.8	21.1
11 27	3 0.07	+ 9 17.8	1.786	2.731	7.4	21.3
12 7	2 51.39	+ 9 20.0	1.842	2.725	11.2	21.5
12 17	2 44.97	+ 9 34.4	1.922	2.719	14.5	21.7

460373 2014 SL_{21} 11 13.2 338°.93 0°.4/13.0 16

10 8	3 37.57	+18 7.6	1.820	2.653	14.5	21.3
10 18	3 33.72	+17 58.2	1.737	2.643	11.1	21.1
10 28	3 27.53	+17 41.4	1.675	2.633	7.1	20.8
11 7	3 19.66	+17 19.0	1.639	2.625	2.8	20.6
11 17	3 11.06	+16 53.7	1.630	2.617	1.9	20.5
11 27	3 2.89	+16 29.5	1.650	2.609	6.3	20.8
12 7	2 56.17	+16 10.7	1.695	2.603	10.5	21.0
12 17	2 51.68	+16 0.6	1.764	2.597	14.1	21.2

130133 1999 XP_{134} 11 13.2 264°.90 9°.5/12.0 17

10 8	3 57.22	− 3 24.4	1.142	1.968	21.6	19.1
10 18	3 50.16	− 3 14.2	1.066	1.957	17.7	18.8
10 28	3 38.89	− 2 43.6	1.009	1.946	13.5	18.5
11 7	3 24.33	− 1 45.0	0.974	1.935	10.1	18.3
11 17	3 8.19	− 0 14.6	0.965	1.924	10.1	18.3
11 27	2 52.72	+ 1 45.4	0.981	1.912	13.7	18.5
12 7	2 39.95	+ 4 7.5	1.022	1.901	18.4	18.7
12 17	2 31.17	+ 6 42.8	1.084	1.889	22.8	18.9

182276 2001 KA_{10} 11 13.2 121°.52 2°.1/12.2 18

10 8	3 45.35	+14 0.9	1.682	2.509	15.7	20.4
10 18	3 39.49	+13 40.4	1.618	2.522	11.9	20.2
10 28	3 31.08	+13 15.6	1.576	2.534	7.6	20.0
11 7	3 20.98	+12 49.3	1.561	2.545	3.3	19.7
11 17	3 10.32	+12 25.2	1.573	2.556	3.1	19.7
11 27	3 0.38	+12 7.4	1.615	2.567	7.3	20.0
12 7	2 52.25	+11 59.5	1.682	2.577	11.4	20.3
12 17	2 46.63	+12 3.3	1.773	2.586	14.9	20.5

370939 2005 RG_{5} 11 13.2 26°.96 3°.0/14.3 18

10 8	3 42.48	+22 49.4	0.954	1.813	22.4	19.2
10 18	3 38.89	+23 28.3	0.914	1.830	17.4	18.9
10 28	3 31.37	+23 51.7	0.890	1.849	11.6	18.7
11 7	3 21.20	+23 58.1	0.888	1.870	5.7	18.5
11 17	3 10.25	+23 49.0	0.907	1.893	3.5	18.4
11 27	3 0.63	+23 30.3	0.950	1.917	8.5	18.8
12 7	2 53.91	+23 10.0	1.016	1.942	13.7	19.2
12 17	2 50.91	+22 55.1	1.100	1.968	18.2	19.5

269752 1999 BW_{31} 11 13.2 305°.70 1°.6/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.48	+24 6.7	2.237	3.043	13.0	21.1
10 18	3 34.07	+24 4.2	2.146	3.033	10.2	20.9
10 28	3 27.59	+23 51.3	2.077	3.024	6.9	20.7
11 7	3 19.66	+23 28.6	2.035	3.016	3.3	20.5
11 17	3 11.09	+22 57.5	2.022	3.007	1.9	20.4
11 27	3 2.89	+22 21.5	2.038	2.998	5.2	20.6
12 7	2 55.95	+21 44.9	2.082	2.990	8.8	20.8
12 17	2 50.96	+21 12.3	2.151	2.982	11.9	21.0

223190 2003 AP_{53} 11 13.2 281°.57 2°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.89	+14 15.0	1.568	2.405	16.2	20.8
10 18	3 38.21	+14 1.4	1.482	2.390	12.5	20.5
10 28	3 30.65	+13 43.0	1.417	2.376	8.1	20.2
11 7	3 20.97	+13 22.2	1.377	2.362	3.4	19.9
11 17	3 10.28	+13 2.7	1.364	2.348	3.2	19.8
11 27	3 0.02	+12 49.0	1.378	2.333	7.9	20.1
12 7	2 51.51	+12 45.0	1.418	2.319	12.6	20.3
12 17	2 45.68	+12 53.6	1.480	2.305	16.7	20.6

168222 2006 KU 11 13.2 209°.05 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.63	+15 7.2	1.467	2.303	17.1	20.2
10 18	3 39.53	+14 40.2	1.392	2.301	13.1	20.0
10 28	3 31.44	+14 6.3	1.339	2.298	8.4	19.7
11 7	3 21.23	+13 28.8	1.310	2.296	3.5	19.4
11 17	3 10.16	+12 52.3	1.309	2.292	3.3	19.4
11 27	2 59.74	+12 22.6	1.334	2.289	8.2	19.7
12 7	2 51.30	+12 4.6	1.385	2.285	12.9	20.0
12 17	2 45.70	+12 1.1	1.458	2.281	17.0	20.2

92689 2000 QK_{74} 11 13.2 82°.13 0°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.26	+19 42.5	1.620	2.444	16.3	20.1
10 18	3 38.68	+19 17.3	1.564	2.465	12.4	19.9
10 28	3 30.54	+18 42.0	1.530	2.486	7.9	19.7
11 7	3 20.75	+17 59.3	1.522	2.507	3.1	19.4
11 17	3 10.53	+17 13.2	1.541	2.528	1.9	19.4
11 27	3 1.16	+16 29.3	1.589	2.548	6.6	19.7
12 7	2 53.72	+15 53.0	1.664	2.568	10.8	20.0
12 17	2 48.82	+15 28.0	1.762	2.588	14.4	20.3

262183 2006 SN_{138} 11 13.2 4°.21 1°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.65	+18 59.5	1.237	2.079	19.3	20.0
10 18	3 40.18	+19 30.1	1.169	2.079	14.9	19.8
10 28	3 32.20	+19 53.0	1.120	2.079	9.8	19.5
11 7	3 21.62	+20 7.7	1.094	2.079	4.1	19.2
11 17	3 9.94	+20 14.5	1.094	2.081	2.3	19.0
11 27	2 59.00	+20 16.7	1.119	2.083	8.0	19.4
12 7	2 50.40	+20 19.4	1.168	2.085	13.3	19.7
12 17	2 45.18	+20 27.2	1.238	2.088	17.7	20.0

57350 2001 QU_{285} 11 13.2 319°.20 1°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.70	+20 45.0	1.754	2.574	15.4	18.9
10 18	3 37.90	+21 12.6	1.667	2.564	12.0	18.7
10 28	3 30.38	+21 33.1	1.602	2.555	8.0	18.4
11 7	3 20.86	+21 45.5	1.563	2.546	3.6	18.1
11 17	3 10.39	+21 50.3	1.551	2.537	2.1	18.0
11 27	3 0.31	+21 49.6	1.567	2.528	6.4	18.3
12 7	2 51.86	+21 47.3	1.610	2.520	10.7	18.5
12 17	2 45.95	+21 47.6	1.677	2.512	14.5	18.7

311794 2006 UJ_{85} 11 13.2 359°.05 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.54	+19 40.1	1.726	2.553	15.3	21.1
10 18	3 36.08	+19 42.5	1.650	2.552	11.8	20.8
10 28	3 29.08	+19 36.6	1.595	2.551	7.7	20.6
11 7	3 20.29	+19 23.4	1.566	2.551	3.1	20.3
11 17	3 10.78	+19 4.8	1.564	2.551	1.7	20.2
11 27	3 1.79	+18 44.8	1.590	2.551	6.4	20.5
12 7	2 54.45	+18 27.8	1.643	2.552	10.6	20.8
12 17	2 49.53	+18 17.7	1.719	2.553	14.3	21.0

446232 2013 GR_{106} 11 13.2 275°.40 2°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.89	+25 6.2	1.984	2.788	14.5	21.6
10 18	3 37.05	+25 17.8	1.890	2.776	11.5	21.4
10 28	3 29.72	+25 18.1	1.819	2.763	7.9	21.2
11 7	3 20.57	+25 6.4	1.772	2.751	4.1	20.9
11 17	3 10.58	+24 43.5	1.754	2.738	2.6	20.8
11 27	3 0.96	+24 12.6	1.765	2.725	5.9	21.0
12 7	2 52.82	+23 38.7	1.804	2.713	9.8	21.2
12 17	2 46.99	+23 7.1	1.866	2.700	13.4	21.4

2424 Tautenburg 11 13.2 301°.35 2°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.16	+22 36.8	1.438	2.263	18.0	16.7
10 18	3 40.55	+23 17.5	1.350	2.248	14.2	16.4
10 28	3 32.53	+23 49.3	1.282	2.233	9.7	16.1
11 7	3 21.84	+24 9.6	1.237	2.218	4.9	15.8
11 17	3 9.77	+24 17.3	1.219	2.203	3.2	15.7
11 27	2 58.07	+24 14.6	1.227	2.189	7.7	15.9
12 7	2 48.40	+24 6.6	1.261	2.175	12.7	16.1
12 17	2 41.93	+23 59.7	1.316	2.162	17.2	16.4

423965 2006 UU_{182} 11 13.2 346°.01 6°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.73	+ 6 42.3	1.263	2.118	18.2	20.4
10 18	3 37.59	+ 6 4.9	1.198	2.113	14.2	20.1
10 28	3 30.33	+ 5 29.8	1.153	2.110	9.8	19.9
11 7	3 20.84	+ 5 3.4	1.130	2.107	6.4	19.7
11 17	3 10.46	+ 4 51.8	1.133	2.104	6.9	19.7
11 27	3 0.78	+ 4 59.6	1.160	2.102	10.8	19.9
12 7	2 53.18	+ 5 28.3	1.210	2.100	15.2	20.2
12 17	2 48.57	+ 6 16.3	1.280	2.099	19.1	20.4

131266 2001 FM_{44} 11 13.2 230°.28 1°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.82	+16 20.6	2.175	2.993	12.9	21.0
10 18	3 35.78	+15 43.0	2.083	2.983	9.9	20.8
10 28	3 28.66	+14 58.5	2.015	2.972	6.3	20.6
11 7	3 20.09	+14 9.7	1.975	2.960	2.6	20.3
11 17	3 10.90	+13 20.3	1.964	2.948	2.4	20.3
11 27	3 2.09	+12 34.9	1.984	2.935	6.2	20.5
12 7	2 54.55	+11 57.9	2.031	2.922	9.9	20.7
12 17	2 48.97	+11 32.4	2.103	2.909	13.1	20.9

224711 2006 BN_{134} 11 13.2 122°.17 5°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.31	+ 3 19.5	2.333	3.157	11.9	20.4
10 18	3 33.52	+ 2 35.2	2.266	3.162	9.3	20.2
10 28	3 27.01	+ 1 54.4	2.224	3.166	6.8	20.0
11 7	3 19.38	+ 1 21.3	2.209	3.171	5.1	20.0
11 17	3 11.36	+ 0 59.6	2.222	3.175	5.7	20.0
11 27	3 3.76	+ 0 52.1	2.264	3.179	7.9	20.1
12 7	2 57.32	+ 1 0.0	2.332	3.184	10.4	20.3
12 17	2 52.56	+ 1 22.7	2.424	3.188	12.8	20.5

280748 2005 NO_{94} 11 13.2 95°.13 1°.6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.86	+25 51.1	2.784	3.575	11.1	20.5
10 18	3 32.34	+25 33.8	2.702	3.581	8.7	20.3
10 28	3 26.22	+25 6.5	2.644	3.587	5.9	20.1
11 7	3 19.07	+24 30.0	2.614	3.592	3.0	20.0
11 17	3 11.55	+23 46.4	2.613	3.598	1.8	19.9
11 27	3 4.41	+22 58.8	2.643	3.603	4.3	20.1
12 7	2 58.33	+22 11.1	2.703	3.608	7.1	20.3
12 17	2 53.81	+21 27.1	2.788	3.614	9.7	20.5

97030 1999 UA_{2} 11 13.2 50°.19 0°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.26	+20 23.2	1.345	2.180	18.4	18.8
10 18	3 38.92	+19 53.2	1.306	2.213	13.9	18.6
10 28	3 30.72	+19 11.6	1.287	2.245	8.8	18.4
11 7	3 20.81	+18 21.6	1.292	2.278	3.4	18.2
11 17	3 10.60	+17 28.6	1.324	2.311	2.1	18.2
11 27	3 1.54	+16 39.3	1.383	2.344	7.2	18.6
12 7	2 54.73	+15 59.8	1.468	2.377	11.6	18.9
12 17	2 50.74	+15 33.7	1.575	2.411	15.3	19.2

493940 2016 AT_{6} 11 13.2 334°.98 0°.1/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.91	+19 22.1	1.883	2.711	14.2	21.2
10 18	3 33.95	+19 13.9	1.798	2.701	11.0	21.0
10 28	3 27.67	+18 57.6	1.735	2.692	7.1	20.8
11 7	3 19.76	+18 34.5	1.698	2.683	2.8	20.5
11 17	3 11.13	+18 7.2	1.688	2.675	1.7	20.4
11 27	3 2.91	+17 39.6	1.707	2.667	6.1	20.7
12 7	2 56.12	+17 16.1	1.752	2.660	10.1	20.9
12 17	2 51.51	+17 0.4	1.821	2.654	13.7	21.1

459971 2014 ON_{6} 11 13.2 52°.83 0°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 23.02	+15 29.9	11.801	12.607	2.8	22.8
10 18	3 20.94	+15 21.2	11.741	12.635	2.1	22.7
10 28	3 18.56	+15 11.8	11.709	12.663	1.3	22.6
11 7	3 16.02	+15 2.1	11.706	12.691	0.5	22.6
11 17	3 13.41	+14 52.5	11.735	12.719	0.4	22.6
11 27	3 10.87	+14 43.4	11.795	12.747	1.2	22.7
12 7	3 8.51	+14 35.5	11.885	12.774	2.0	22.7
12 17	3 6.45	+14 29.0	12.003	12.802	2.7	22.8

35417 1998 AT_{4} 11 13.2 108°.19 4°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.45	+ 9 41.5	1.527	2.361	16.7	18.2
10 18	3 40.44	+ 9 8.5	1.471	2.377	12.7	18.0
10 28	3 31.73	+ 8 34.9	1.437	2.392	8.4	17.8
11 7	3 21.27	+ 8 5.3	1.428	2.408	4.6	17.6
11 17	3 10.29	+ 7 44.4	1.447	2.422	4.9	17.6
11 27	3 0.17	+ 7 36.1	1.493	2.437	8.7	17.9
12 7	2 52.01	+ 7 42.7	1.565	2.450	12.7	18.2
12 17	2 46.53	+ 8 4.3	1.660	2.464	16.1	18.4

143226 2002 YA_{16} 11 13.3 291°.57 0°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.80	+21 18.7	1.502	2.333	17.1	20.2
10 18	3 37.71	+21 7.9	1.409	2.313	13.3	19.9
10 28	3 30.54	+20 44.5	1.337	2.294	8.8	19.6
11 7	3 21.02	+20 9.3	1.289	2.274	3.7	19.3
11 17	3 10.35	+19 25.1	1.268	2.255	2.0	19.1
11 27	3 0.07	+18 37.5	1.273	2.235	7.4	19.4
12 7	2 51.64	+17 53.9	1.304	2.216	12.6	19.6
12 17	2 46.10	+17 20.4	1.356	2.197	17.0	19.9

201110 2002 GP_{181} 11 13.3 89°.28 0°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.76	+18 48.2	1.750	2.572	15.4	20.8
10 18	3 38.28	+18 41.0	1.686	2.586	11.8	20.6
10 28	3 30.33	+18 25.8	1.644	2.600	7.5	20.4
11 7	3 20.74	+18 4.3	1.628	2.614	2.9	20.1
11 17	3 10.61	+17 39.0	1.641	2.627	1.8	20.1
11 27	3 1.18	+17 14.2	1.682	2.641	6.3	20.4
12 7	2 53.49	+16 54.2	1.750	2.654	10.4	20.7
12 17	2 48.23	+16 42.5	1.841	2.667	13.9	20.9

370870 2005 ET_{72} 11 13.3 303°.24 11°.4/ 2.9 17

10 8	3 36.96	−15 3.3	2.193	2.981	13.8	20.4
10 18	3 32.85	−16 36.0	2.124	2.959	12.4	20.2
10 28	3 26.80	−17 54.1	2.078	2.938	11.6	20.1
11 7	3 19.38	−18 50.1	2.054	2.916	11.5	20.1
11 17	3 11.38	−19 17.9	2.054	2.894	12.3	20.1
11 27	3 3.71	−19 14.4	2.077	2.873	13.7	20.2
12 7	2 57.22	−18 40.1	2.120	2.851	15.4	20.3
12 17	2 52.54	−17 38.3	2.180	2.830	17.1	20.4

489194 2006 HK_{75} 11 13.3 246°.30 4°.4/ 9.6 18

10 8	3 36.95	+ 4 41.9	2.683	3.504	10.6	22.2
10 18	3 32.41	+ 3 53.2	2.596	3.492	8.3	22.1
10 28	3 26.31	+ 3 5.9	2.535	3.479	6.0	21.9
11 7	3 19.15	+ 2 23.7	2.502	3.466	4.4	21.8
11 17	3 11.54	+ 1 50.4	2.498	3.453	5.0	21.8
11 27	3 4.20	+ 1 29.1	2.523	3.439	7.1	21.9
12 7	2 57.81	+ 1 21.7	2.575	3.425	9.6	22.1
12 17	2 52.87	+ 1 28.7	2.651	3.411	11.9	22.2

102181 1999 RT_{240} 11 13.3 35°.20 0°.9/13.5 18

10 8	3 48.45	+16 44.2	1.306	2.141	18.8	18.4
10 18	3 42.65	+17 44.7	1.251	2.157	14.5	18.2
10 28	3 33.52	+18 41.3	1.217	2.174	9.4	17.9
11 7	3 22.08	+19 32.0	1.207	2.192	3.8	17.7
11 17	3 9.82	+20 15.4	1.224	2.210	2.2	17.6
11 27	2 58.50	+20 52.2	1.268	2.230	7.5	18.0
12 7	2 49.56	+21 25.3	1.337	2.249	12.3	18.3
12 17	2 43.87	+21 58.1	1.428	2.270	16.3	18.6

172846 2005 EH_{14} 11 13.3 208°.90 0°.4/13.1 18

10 8	3 41.88	+18 17.9	1.983	2.802	14.0	20.6
10 18	3 36.77	+18 5.1	1.901	2.799	10.7	20.4
10 28	3 29.39	+17 45.1	1.841	2.797	6.9	20.2
11 7	3 20.41	+17 19.3	1.808	2.794	2.7	19.9
11 17	3 10.78	+16 50.5	1.804	2.790	1.8	19.8
11 27	3 1.62	+16 22.5	1.829	2.787	6.0	20.1
12 7	2 53.91	+15 59.4	1.882	2.783	10.0	20.3
12 17	2 48.37	+15 44.8	1.959	2.779	13.4	20.6

487299 2014 QX_{58} 11 13.3 23°.11 1°.2/14.1 18

10 8	3 39.50	+23 32.7	2.063	2.873	13.8	21.5
10 18	3 34.90	+23 16.0	1.982	2.874	10.7	21.3
10 28	3 28.14	+22 47.9	1.924	2.874	7.1	21.0
11 7	3 19.90	+22 9.7	1.892	2.875	3.2	20.8
11 17	3 11.10	+21 23.7	1.889	2.875	1.7	20.7
11 27	3 2.79	+20 34.6	1.915	2.876	5.5	20.9
12 7	2 55.90	+19 47.5	1.969	2.877	9.2	21.2
12 17	2 51.09	+19 7.1	2.047	2.877	12.5	21.4

442195 2011 FP_{13} 11 13.3 145°.02 1°.5/14.0 16

10 8	3 45.82	+22 26.4	1.827	2.635	15.4	22.5
10 18	3 39.96	+22 35.0	1.752	2.642	11.9	22.3
10 28	3 31.50	+22 33.4	1.700	2.649	7.9	22.0
11 7	3 21.25	+22 21.6	1.673	2.655	3.6	21.8
11 17	3 10.30	+22 0.9	1.675	2.661	2.0	21.7
11 27	2 59.97	+21 35.1	1.706	2.666	6.1	22.0
12 7	2 51.38	+21 9.1	1.765	2.671	10.2	22.2
12 17	2 45.30	+20 47.9	1.848	2.676	13.7	22.5

423369 2005 JU_{46} 11 13.3 121°.15 0°.7/12.9 16

10 8	3 46.65	+17 44.3	1.724	2.543	15.7	22.4
10 18	3 40.45	+17 28.2	1.661	2.560	12.0	22.2
10 28	3 31.70	+17 4.5	1.620	2.576	7.6	21.9
11 7	3 21.27	+16 35.3	1.606	2.591	2.9	21.7
11 17	3 10.32	+16 3.8	1.620	2.606	2.1	21.7
11 27	3 0.15	+15 34.5	1.663	2.620	6.6	22.0
12 7	2 51.81	+15 12.0	1.734	2.633	10.8	22.3
12 17	2 46.01	+14 59.4	1.828	2.646	14.3	22.5

436973 2012 TN_{179} 11 13.3 124°.19 2°.5/14.9 18

10 8	3 45.58	+26 52.1	1.921	2.715	15.3	22.1
10 18	3 39.59	+26 46.2	1.851	2.730	12.0	21.9
10 28	3 31.14	+26 26.1	1.804	2.745	8.2	21.7
11 7	3 21.06	+25 51.7	1.782	2.759	4.3	21.5
11 17	3 10.46	+25 5.3	1.789	2.772	2.7	21.5
11 27	3 0.58	+24 11.7	1.825	2.785	5.9	21.7
12 7	2 52.45	+23 17.3	1.890	2.797	9.6	21.9
12 17	2 46.75	+22 27.8	1.979	2.809	12.9	22.2

439514 2014 BV_{31} 11 13.3 213°.89 1°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.83	+16 41.4	1.959	2.779	14.1	21.7
10 18	3 37.53	+16 17.7	1.873	2.773	10.8	21.5
10 28	3 29.90	+15 47.2	1.811	2.767	6.9	21.2
11 7	3 20.63	+15 12.1	1.775	2.761	2.7	20.9
11 17	3 10.68	+14 35.7	1.769	2.753	2.3	20.9
11 27	3 1.18	+14 2.4	1.791	2.746	6.5	21.2
12 7	2 53.14	+13 36.6	1.842	2.738	10.4	21.4
12 17	2 47.31	+13 21.3	1.916	2.729	13.9	21.6

294434 2007 VR_{261} 11 13.3 65°.69 1°.3/12.6 18

10 8	3 42.37	+15 52.0	1.677	2.509	15.5	20.6
10 18	3 37.30	+15 37.3	1.614	2.520	11.8	20.4
10 28	3 29.75	+15 16.9	1.574	2.532	7.5	20.1
11 7	3 20.55	+14 53.1	1.558	2.544	3.0	19.9
11 17	3 10.79	+14 29.5	1.571	2.556	2.5	19.9
11 27	3 1.72	+14 10.0	1.612	2.568	6.8	20.2
12 7	2 54.39	+13 58.6	1.679	2.580	11.0	20.5
12 17	2 49.49	+13 57.5	1.769	2.592	14.5	20.7

239090 2006 HJ_{19} 11 13.3 286°.22 2°.9/11.7 18

10 8	3 40.44	+13 2.4	1.682	2.519	15.2	20.3
10 18	3 36.09	+12 25.0	1.597	2.507	11.7	20.0
10 28	3 29.17	+11 42.2	1.535	2.494	7.6	19.8
11 7	3 20.41	+10 58.2	1.498	2.481	3.7	19.5
11 17	3 10.82	+10 17.8	1.488	2.468	3.9	19.5
11 27	3 1.68	+ 9 46.5	1.506	2.455	8.0	19.7
12 7	2 54.12	+ 9 28.4	1.549	2.442	12.3	19.9
12 17	2 48.97	+ 9 26.1	1.615	2.430	16.0	20.1

149365 2002 XZ_{50} 11 13.3 331°.84 2°.3/12.3 18

10 8	3 38.82	+14 39.1	1.192	2.052	18.7	19.5
10 18	3 35.86	+14 22.2	1.115	2.037	14.5	19.2
10 28	3 29.55	+13 58.6	1.058	2.022	9.4	18.9
11 7	3 20.69	+13 31.9	1.023	2.009	4.0	18.5
11 17	3 10.63	+13 7.0	1.012	1.996	3.7	18.5
11 27	3 1.12	+12 50.0	1.025	1.985	9.2	18.8
12 7	2 53.73	+12 46.1	1.061	1.974	14.7	19.0
12 17	2 49.55	+12 58.2	1.116	1.965	19.4	19.3

120652 1996 TF_{16} 11 13.3 283°.12 1°.6/14.2 18

10 8	3 41.26	+24 14.7	1.666	2.484	16.2	20.2
10 18	3 36.89	+23 56.7	1.580	2.475	12.7	19.9
10 28	3 29.76	+23 23.9	1.514	2.466	8.5	19.6
11 7	3 20.66	+22 37.2	1.474	2.457	3.9	19.4
11 17	3 10.69	+21 39.4	1.461	2.447	2.1	19.2
11 27	3 1.26	+20 36.6	1.476	2.438	6.6	19.5
12 7	2 53.58	+19 36.2	1.517	2.429	11.1	19.7
12 17	2 48.52	+18 44.8	1.582	2.420	15.1	20.0

426499 2013 RB_{34} 11 13.3 108°.81 1°.3/13.9 15

10 8	3 46.58	+22 53.5	1.467	2.288	17.9	21.2
10 18	3 40.96	+22 44.0	1.403	2.301	13.9	20.9
10 28	3 32.30	+22 20.8	1.360	2.313	9.1	20.7
11 7	3 21.59	+21 44.8	1.342	2.325	4.0	20.4
11 17	3 10.20	+20 59.2	1.350	2.337	2.1	20.3
11 27	2 59.70	+20 10.1	1.387	2.348	7.0	20.7
12 7	2 51.38	+19 24.8	1.449	2.359	11.7	21.0
12 17	2 46.02	+18 49.1	1.534	2.370	15.6	21.3

514718 2006 UM_{168} 11 13.3 72°.68 0°.3/13.1 18

10 8	3 42.34	+17 36.3	1.865	2.688	14.6	21.3
10 18	3 37.14	+17 35.2	1.796	2.696	11.1	21.1
10 28	3 29.61	+17 27.9	1.749	2.705	7.1	20.9
11 7	3 20.50	+17 15.7	1.729	2.714	2.8	20.6
11 17	3 10.83	+17 0.9	1.737	2.723	1.8	20.6
11 27	3 1.73	+16 46.9	1.774	2.732	6.1	20.9
12 7	2 54.21	+16 37.2	1.838	2.741	10.0	21.2
12 17	2 48.96	+16 34.8	1.926	2.750	13.4	21.4

161984 6515 $P–L$ 11 13.3 36°.34 10°.7/18.4 18

10 8	3 52.55	+37 42.0	1.222	2.004	22.9	18.0
10 18	3 46.74	+39 36.8	1.185	2.034	19.3	17.9
10 28	3 36.57	+41 4.4	1.165	2.066	15.5	17.8
11 7	3 23.36	+41 55.9	1.165	2.098	12.3	17.7
11 17	3 9.17	+42 7.1	1.188	2.131	10.7	17.7
11 27	2 56.42	+41 42.3	1.234	2.165	11.5	17.8
12 7	2 46.96	+40 53.0	1.304	2.199	13.9	18.1
12 17	2 41.70	+39 52.3	1.394	2.234	16.7	18.4

367848 2011 CN_{4} 11 13.3 190°.84 6°.2/ 8.6 18

10 8	3 37.71	− 1 16.5	2.467	3.284	11.6	20.9
10 18	3 33.02	− 2 6.6	2.399	3.284	9.3	20.7
10 28	3 26.71	− 2 50.6	2.355	3.283	7.3	20.6
11 7	3 19.32	− 3 23.9	2.338	3.283	6.2	20.5
11 17	3 11.54	− 3 42.8	2.350	3.282	6.8	20.5
11 27	3 4.14	− 3 44.7	2.389	3.281	8.6	20.7
12 7	2 57.80	− 3 29.1	2.454	3.280	10.8	20.8
12 17	2 53.05	− 2 57.0	2.541	3.279	12.9	21.0

84895 2003 SD_{252} 11 13.3 9°.48 1°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.66	+21 20.9	1.728	2.555	15.3	18.8
10 18	3 34.66	+21 31.8	1.656	2.558	11.8	18.6
10 28	3 28.19	+21 33.4	1.607	2.561	7.8	18.3
11 7	3 19.99	+21 26.2	1.582	2.565	3.4	18.1
11 17	3 11.13	+21 11.9	1.584	2.571	1.9	18.0
11 27	3 2.81	+20 53.9	1.614	2.577	6.1	18.3
12 7	2 56.12	+20 36.8	1.671	2.584	10.2	18.5
12 17	2 51.80	+20 24.8	1.750	2.592	13.8	18.8

432987 2012 PA_{15} 11 13.3 59°.62 1°.2/13.9 16

10 8	3 43.91	+23 2.0	1.400	2.228	18.2	21.3
10 18	3 38.90	+22 46.0	1.346	2.248	14.0	21.1
10 28	3 30.92	+22 15.8	1.313	2.267	9.2	20.9
11 7	3 21.02	+21 32.9	1.304	2.287	4.0	20.6
11 17	3 10.59	+20 41.5	1.321	2.308	2.1	20.6
11 27	3 1.15	+19 48.4	1.365	2.328	7.0	20.9
12 7	2 53.89	+19 0.6	1.435	2.348	11.5	21.2
12 17	2 49.52	+18 23.8	1.527	2.369	15.4	21.5

224148 2005 QA_{52} 11 13.3 34°.85 0°.4/13.1 18

10 8	3 41.16	+19 35.6	1.110	1.965	20.2	19.8
10 18	3 37.33	+19 10.2	1.064	1.982	15.4	19.6
10 28	3 30.14	+18 32.0	1.036	1.999	9.8	19.3
11 7	3 20.76	+17 44.6	1.031	2.017	3.8	19.0
11 17	3 10.76	+16 53.9	1.050	2.037	2.4	19.0
11 27	3 1.89	+16 7.8	1.094	2.057	8.2	19.4
12 7	2 55.47	+15 33.0	1.161	2.078	13.3	19.8
12 17	2 52.24	+15 13.7	1.248	2.099	17.6	20.1

408623 2014 KO_{70} 11 13.3 47°.88 3°.9/10.9 18

10 8	3 39.44	+ 9 57.0	1.795	2.633	14.4	20.6
10 18	3 34.92	+ 9 9.9	1.729	2.637	11.0	20.4
10 28	3 28.17	+ 8 21.2	1.686	2.642	7.3	20.2
11 7	3 19.94	+ 7 35.4	1.668	2.647	4.3	20.0
11 17	3 11.19	+ 6 57.7	1.679	2.652	4.7	20.0
11 27	3 3.01	+ 6 32.4	1.717	2.657	8.0	20.3
12 7	2 56.34	+ 6 22.5	1.781	2.662	11.6	20.5
12 17	2 51.82	+ 6 28.6	1.867	2.668	14.7	20.7

213678 2002 TD_{81} 11 13.3 331°.88 3°.1/11.8 18

10 8	3 39.64	+11 25.5	1.580	2.424	15.7	19.7
10 18	3 35.59	+11 5.2	1.502	2.414	12.1	19.4
10 28	3 28.91	+10 42.7	1.445	2.404	7.9	19.2
11 7	3 20.33	+10 21.6	1.413	2.395	4.0	18.9
11 17	3 10.93	+10 6.1	1.407	2.387	4.1	18.9
11 27	3 2.00	+10 0.3	1.428	2.379	8.2	19.1
12 7	2 54.73	+10 7.2	1.474	2.372	12.5	19.4
12 17	2 49.95	+10 28.1	1.543	2.365	16.3	19.6

155840 2000 YA_{60} 11 13.3 3°.42 1°.4/12.5 18

10 8	3 39.16	+15 20.7	1.913	2.743	13.9	19.6
10 18	3 34.73	+15 4.7	1.837	2.743	10.6	19.4
10 28	3 28.09	+14 43.8	1.784	2.743	6.8	19.2
11 7	3 19.94	+14 20.3	1.758	2.743	2.8	18.9
11 17	3 11.20	+13 57.3	1.759	2.744	2.4	18.9
11 27	3 2.94	+13 38.5	1.790	2.745	6.4	19.1
12 7	2 56.11	+13 27.3	1.846	2.746	10.2	19.4
12 17	2 51.39	+13 26.1	1.927	2.748	13.5	19.6

155884 2001 FC_{39} 11 13.3 108°.90 4°.2/16.9 18

10 8	3 43.64	+33 55.5	2.834	3.579	12.0	20.1
10 18	3 37.55	+34 17.7	2.762	3.601	9.8	19.9
10 28	3 29.61	+34 26.8	2.714	3.621	7.4	19.8
11 7	3 20.47	+34 21.6	2.692	3.642	5.2	19.7
11 17	3 10.92	+34 2.1	2.700	3.661	4.2	19.7
11 27	3 1.86	+33 30.8	2.737	3.681	5.2	19.7
12 7	2 54.06	+32 51.7	2.804	3.700	7.3	19.9
12 17	2 48.10	+32 9.3	2.898	3.718	9.5	20.1

192121 2006 DG_{45} 11 13.3 94°.80 1°.7/14.5 18

10 8	3 40.25	+24 29.7	2.385	3.182	12.6	20.7
10 18	3 35.17	+24 30.0	2.310	3.193	9.8	20.6
10 28	3 28.18	+24 20.5	2.259	3.203	6.6	20.4
11 7	3 19.93	+24 1.7	2.234	3.214	3.3	20.2
11 17	3 11.24	+23 35.0	2.239	3.224	1.9	20.1
11 27	3 3.01	+23 3.5	2.275	3.234	4.8	20.3
12 7	2 56.05	+22 31.3	2.338	3.244	8.0	20.6
12 17	2 50.95	+22 2.3	2.428	3.254	10.9	20.8

60613 2000 EO_{196} 11 13.3 345°.15 6°.5/ 9.1 18

10 8	3 35.23	+ 7 58.2	1.401	2.261	16.5	19.0
10 18	3 32.38	+ 6 23.9	1.333	2.252	12.8	18.7
10 28	3 26.88	+ 4 46.3	1.287	2.244	9.0	18.5
11 7	3 19.54	+ 3 14.3	1.265	2.237	6.6	18.4
11 17	3 11.47	+ 1 57.5	1.268	2.231	7.7	18.4
11 27	3 3.98	+ 1 3.8	1.296	2.226	11.2	18.6
12 7	2 58.22	+ 0 37.5	1.347	2.221	15.1	18.8
12 17	2 54.96	+ 0 38.6	1.417	2.218	18.6	19.0

289392 2005 CP_{36} 11 13.3 310°.16 1°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.39	+15 17.0	1.592	2.431	15.9	21.1
10 18	3 36.26	+14 57.7	1.508	2.418	12.2	20.8
10 28	3 29.41	+14 32.2	1.446	2.406	7.9	20.6
11 7	3 20.57	+14 3.2	1.408	2.393	3.3	20.3
11 17	3 10.83	+13 34.5	1.397	2.381	2.9	20.2
11 27	3 1.54	+13 11.2	1.413	2.370	7.6	20.5
12 7	2 53.93	+12 57.6	1.455	2.358	12.2	20.7
12 17	2 48.87	+12 56.7	1.519	2.348	16.2	20.9

398363 2011 SX_{69} 11 13.3 183°.89 4°.6/10.9 18

10 8	3 42.44	+ 5 46.6	1.917	2.744	14.0	20.8
10 18	3 37.12	+ 5 22.5	1.844	2.745	10.9	20.6
10 28	3 29.58	+ 5 1.3	1.795	2.745	7.5	20.4
11 7	3 20.53	+ 4 46.9	1.772	2.744	4.9	20.3
11 17	3 10.90	+ 4 42.8	1.777	2.744	5.3	20.3
11 27	3 1.77	+ 4 51.9	1.811	2.744	8.3	20.5
12 7	2 54.08	+ 5 15.3	1.871	2.743	11.6	20.7
12 17	2 48.53	+ 5 52.4	1.954	2.743	14.6	20.9

104377 2000 FF_{32} 11 13.3 294°.27 2°.9/11.2 18

10 8	3 37.24	+11 22.6	2.231	3.061	12.2	19.7
10 18	3 33.03	+10 44.0	2.143	3.048	9.4	19.5
10 28	3 26.93	+10 2.4	2.078	3.034	6.2	19.3
11 7	3 19.50	+ 9 21.4	2.040	3.021	3.3	19.1
11 17	3 11.51	+ 8 44.7	2.032	3.008	3.6	19.1
11 27	3 3.84	+ 8 16.4	2.052	2.995	6.7	19.2
12 7	2 57.31	+ 7 59.4	2.099	2.982	10.0	19.4
12 17	2 52.55	+ 7 55.4	2.170	2.969	13.0	19.6

134639 1999 UH_{38} 11 13.3 55°.69 5°.3/15.6 18

10 8	3 47.92	+28 36.0	1.284	2.099	20.3	19.0
10 18	3 42.66	+29 23.6	1.227	2.114	16.3	18.7
10 28	3 33.75	+29 53.1	1.190	2.129	11.7	18.5
11 7	3 22.29	+30 0.9	1.174	2.145	7.2	18.3
11 17	3 9.92	+29 46.3	1.184	2.161	5.3	18.3
11 27	2 58.60	+29 14.1	1.219	2.177	8.2	18.5
12 7	2 49.89	+28 32.9	1.279	2.194	12.5	18.8
12 17	2 44.71	+27 51.8	1.360	2.211	16.4	19.1

214677 2006 SU_{189} 11 13.3 70°.89 2°.5/11.7 18

10 8	3 39.76	+13 40.7	1.858	2.691	14.2	20.5
10 18	3 35.16	+12 59.2	1.788	2.695	10.8	20.3
10 28	3 28.35	+12 12.7	1.740	2.698	6.9	20.1
11 7	3 20.06	+11 25.3	1.719	2.702	3.3	19.9
11 17	3 11.23	+10 41.3	1.726	2.706	3.4	19.9
11 27	3 2.95	+10 5.7	1.761	2.710	7.1	20.1
12 7	2 56.16	+ 9 42.2	1.823	2.714	10.9	20.4
12 17	2 51.51	+ 9 32.7	1.908	2.718	14.1	20.6

189932 2003 SX_{203} 11 13.3 19°.79 1°.1/12.6 17

10 8	3 37.64	+16 56.6	1.854	2.687	14.2	20.4
10 18	3 33.59	+16 30.0	1.785	2.692	10.8	20.2
10 28	3 27.36	+15 56.5	1.739	2.698	6.9	20.0
11 7	3 19.67	+15 19.0	1.718	2.704	2.7	19.7
11 17	3 11.46	+14 41.2	1.726	2.711	2.2	19.7
11 27	3 3.79	+14 7.5	1.762	2.718	6.3	20.0
12 7	2 57.59	+13 42.1	1.824	2.726	10.2	20.2
12 17	2 53.49	+13 27.8	1.910	2.735	13.5	20.5

269432 2009 SN_{150} 11 13.3 125°.52 3°.9/15.3 18

10 8	3 47.25	+28 6.9	1.654	2.451	17.2	20.6
10 18	3 41.48	+28 28.2	1.582	2.460	13.7	20.4
10 28	3 32.71	+28 34.0	1.531	2.469	9.7	20.2
11 7	3 21.85	+28 22.3	1.505	2.477	5.7	20.0
11 17	3 10.19	+27 53.7	1.505	2.485	4.0	19.9
11 27	2 59.28	+27 12.5	1.534	2.493	6.9	20.1
12 7	2 50.41	+26 25.9	1.590	2.500	10.9	20.4
12 17	2 44.44	+25 41.0	1.669	2.507	14.5	20.6

86694 2000 FC_{49} 11 13.3 112°.04 2°.7/14.9 18 R

10 8	3 46.22	+26 28.8	1.768	2.567	16.2	18.8
10 18	3 40.32	+26 30.7	1.701	2.583	12.7	18.6
10 28	3 31.75	+26 18.2	1.655	2.598	8.7	18.4
11 7	3 21.41	+25 50.9	1.635	2.613	4.6	18.2
11 17	3 10.49	+25 10.8	1.643	2.627	2.9	18.1
11 27	3 0.33	+24 22.8	1.680	2.640	6.2	18.3
12 7	2 52.07	+23 33.4	1.745	2.654	10.1	18.6
12 17	2 46.43	+22 48.9	1.833	2.666	13.6	18.8

141396 2002 AC_{129} 11 13.3 124°.20 14°.2/ 5.0 18

10 8	3 46.77	−19 10.0	1.778	2.546	17.3	20.3
10 18	3 40.29	−20 59.2	1.752	2.565	15.6	20.2
10 28	3 31.46	−22 23.7	1.747	2.583	14.5	20.2
11 7	3 21.21	−23 15.0	1.764	2.600	14.3	20.2
11 17	3 10.65	−23 28.0	1.802	2.617	14.8	20.3
11 27	3 0.97	−23 2.3	1.862	2.632	16.0	20.4
12 7	2 53.13	−22 2.2	1.941	2.647	17.4	20.6
12 17	2 47.68	−20 34.4	2.036	2.661	18.8	20.7

152229 2005 SU_{12} 11 13.3 220°.79 0°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.00	+20 56.4	1.730	2.548	15.7	21.1
10 18	3 38.84	+20 47.0	1.646	2.543	12.2	20.8
10 28	3 30.98	+20 27.0	1.584	2.538	8.0	20.6
11 7	3 21.20	+19 57.4	1.548	2.533	3.3	20.3
11 17	3 10.59	+19 20.9	1.540	2.527	1.8	20.2
11 27	3 0.50	+18 42.1	1.560	2.521	6.5	20.5
12 7	2 52.13	+18 6.8	1.608	2.514	11.0	20.7
12 17	2 46.31	+17 39.9	1.678	2.508	14.8	20.9

220011 2002 PJ_{123} 11 13.3 178°.54 0°.1/13.4 18

10 8	3 37.83	+20 47.6	2.426	3.237	12.0	20.4
10 18	3 33.31	+20 17.9	2.343	3.237	9.2	20.2
10 28	3 27.02	+19 39.7	2.284	3.237	5.9	20.0
11 7	3 19.53	+18 54.7	2.253	3.237	2.4	19.8
11 17	3 11.60	+18 5.9	2.251	3.237	1.3	19.7
11 27	3 4.07	+17 17.2	2.279	3.237	5.0	20.0
12 7	2 57.69	+16 32.8	2.336	3.237	8.3	20.2
12 17	2 53.04	+15 56.3	2.418	3.237	11.2	20.4

101985 1999 RE_{61} 11 13.3 62°.07 2°.3/14.5 18

10 8	3 44.23	+25 27.6	1.314	2.141	19.2	19.4
10 18	3 39.54	+25 14.7	1.255	2.153	15.0	19.2
10 28	3 31.58	+24 43.9	1.214	2.166	10.1	19.0
11 7	3 21.42	+23 56.0	1.197	2.178	4.9	18.7
11 17	3 10.55	+22 54.9	1.205	2.191	2.7	18.6
11 27	3 0.66	+21 48.3	1.240	2.204	7.3	18.9
12 7	2 53.13	+20 45.3	1.300	2.217	12.2	19.2
12 17	2 48.73	+19 53.3	1.382	2.230	16.3	19.5

488135 2015 VL_{124} 11 13.3 0°.31 13°.3/ 9.4 18

10 8	3 37.80	−11 1.5	1.252	2.090	19.4	18.9
10 18	3 34.51	−11 42.7	1.202	2.085	16.8	18.7
10 28	3 28.32	−12 0.3	1.170	2.082	14.5	18.6
11 7	3 20.14	−11 45.2	1.158	2.081	13.4	18.5
11 17	3 11.27	−10 52.3	1.168	2.082	13.8	18.5
11 27	3 3.18	− 9 21.7	1.199	2.086	15.7	18.6
12 7	2 57.08	− 7 19.4	1.250	2.092	18.2	18.8
12 17	2 53.74	− 4 54.0	1.321	2.100	20.8	19.0

101109 1998 RZ_{45} 11 13.3 97°.49 1°.5/12.3 18

10 8	3 40.96	+16 32.5	1.836	2.664	14.5	20.1
10 18	3 36.09	+15 54.0	1.768	2.672	11.0	19.9
10 28	3 28.96	+15 8.2	1.722	2.680	7.0	19.6
11 7	3 20.33	+14 18.5	1.703	2.688	2.9	19.4
11 17	3 11.18	+13 29.3	1.712	2.696	2.6	19.4
11 27	3 2.64	+12 45.8	1.750	2.704	6.7	19.7
12 7	2 55.67	+12 12.3	1.815	2.712	10.5	19.9
12 17	2 50.90	+11 51.8	1.904	2.720	13.9	20.2

485722 2012 BS_{14} 11 13.3 306°.56 6°.2/17.7 17

10 8	3 40.98	+36 41.1	1.908	2.674	16.3	21.1
10 18	3 36.80	+36 49.7	1.811	2.658	13.7	20.9
10 28	3 29.82	+36 37.3	1.733	2.643	10.7	20.7
11 7	3 20.80	+36 0.8	1.679	2.628	7.8	20.5
11 17	3 10.86	+34 59.9	1.650	2.613	6.2	20.4
11 27	3 1.42	+33 38.6	1.649	2.599	7.5	20.4
12 7	2 53.73	+32 5.0	1.675	2.584	10.5	20.5
12 17	2 48.69	+30 28.8	1.726	2.570	13.8	20.7

145566 Andreasphilipp 11 13.3 100°.15 5°.1/17.1 18

10 8	3 45.19	+34 34.2	2.042	2.805	15.5	19.8
10 18	3 39.41	+34 43.1	1.972	2.822	12.7	19.7
10 28	3 31.12	+34 33.6	1.924	2.838	9.5	19.5
11 7	3 21.18	+34 4.1	1.900	2.855	6.6	19.4
11 17	3 10.73	+33 15.5	1.904	2.871	5.1	19.3
11 27	3 1.02	+32 12.1	1.937	2.887	6.5	19.4
12 7	2 53.10	+31 1.1	1.997	2.902	9.3	19.6
12 17	2 47.64	+29 49.8	2.083	2.917	12.2	19.8

361792 2008 BM_{38} 11 13.3 309°.81 3°.2/15.3 18

10 8	3 41.68	+27 55.6	1.954	2.751	14.9	20.7
10 18	3 36.91	+28 4.9	1.870	2.749	11.9	20.5
10 28	3 29.68	+28 0.4	1.808	2.746	8.4	20.3
11 7	3 20.69	+27 41.2	1.771	2.744	4.9	20.0
11 17	3 10.98	+27 8.2	1.761	2.742	3.3	19.9
11 27	3 1.75	+26 25.2	1.781	2.740	6.0	20.1
12 7	2 54.11	+25 38.0	1.827	2.738	9.6	20.3
12 17	2 48.82	+24 52.7	1.898	2.736	13.0	20.5

82899 2001 QS_{90} 11 13.3 353°.31 2°.4/15.5 18

10 8	3 42.49	+35 7.4	1.499	2.288	19.1	17.3
10 18	3 37.99	+32 58.2	1.409	2.283	15.3	17.1
10 28	3 30.44	+30 10.2	1.340	2.278	10.7	16.8
11 7	3 20.94	+26 46.6	1.298	2.275	5.6	16.5
11 17	3 10.92	+22 58.7	1.287	2.272	2.6	16.3
11 27	3 1.93	+19 5.4	1.308	2.271	7.1	16.6
12 7	2 55.18	+15 26.8	1.359	2.270	12.2	16.9
12 17	2 51.32	+12 17.8	1.436	2.271	16.6	17.2

39807 1997 WY_{19} 11 13.3 186°.94 3°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.42	+10 55.4	1.680	2.508	15.7	19.4
10 18	3 40.56	+10 35.7	1.605	2.508	12.0	19.2
10 28	3 32.03	+10 14.4	1.552	2.508	7.9	18.9
11 7	3 21.62	+ 9 54.9	1.525	2.506	4.0	18.7
11 17	3 10.45	+ 9 40.7	1.526	2.505	4.1	18.7
11 27	2 59.87	+ 9 35.8	1.556	2.503	8.0	18.9
12 7	2 51.03	+ 9 42.7	1.612	2.500	12.2	19.2
12 17	2 44.75	+10 2.6	1.690	2.497	15.8	19.4

414752 2010 GN_{1} 11 13.3 292°.33 4°.2/16.7 17

10 8	3 39.50	+33 14.9	2.429	3.196	13.2	20.9
10 18	3 34.89	+33 16.9	2.336	3.190	10.8	20.7
10 28	3 28.21	+33 3.8	2.266	3.184	8.1	20.6
11 7	3 20.08	+32 34.4	2.220	3.178	5.5	20.4
11 17	3 11.36	+31 49.5	2.203	3.173	4.2	20.3
11 27	3 3.06	+30 52.2	2.215	3.167	5.6	20.4
12 7	2 56.07	+29 48.1	2.255	3.162	8.3	20.5
12 17	2 51.06	+28 42.9	2.322	3.156	11.1	20.7

302110 2001 KK_{74} 11 13.3 172°.01 1°.7/14.7 18

10 8	3 41.72	+26 31.5	2.143	2.938	13.9	20.8
10 18	3 36.56	+25 58.6	2.059	2.940	10.9	20.6
10 28	3 29.23	+25 11.4	1.998	2.942	7.3	20.4
11 7	3 20.46	+24 11.0	1.964	2.944	3.6	20.2
11 17	3 11.17	+23 0.5	1.960	2.945	2.0	20.0
11 27	3 2.43	+21 45.4	1.985	2.945	5.4	20.3
12 7	2 55.15	+20 32.0	2.039	2.946	9.0	20.5
12 17	2 49.97	+19 26.2	2.119	2.946	12.3	20.7

67099 2000 AK_{76} 11 13.3 81°.13 5°.6/ 9.6 18

10 8	3 38.59	+ 2 11.5	2.232	3.057	12.4	18.7
10 18	3 33.90	+ 1 26.7	2.164	3.059	9.8	18.5
10 28	3 27.40	+ 0 46.4	2.120	3.061	7.2	18.4
11 7	3 19.72	+ 0 15.0	2.103	3.062	5.6	18.3
11 17	3 11.60	− 0 3.6	2.115	3.064	6.2	18.3
11 27	3 3.91	− 0 6.4	2.154	3.066	8.4	18.5
12 7	2 57.41	+ 0 7.2	2.219	3.068	11.0	18.7
12 17	2 52.66	+ 0 36.7	2.307	3.070	13.4	18.8

188609 2005 QX_{2} 11 13.3 160°.27 0°.7/12.9 18

10 8	3 43.11	+19 24.2	1.660	2.485	15.9	20.4
10 18	3 38.08	+18 44.3	1.586	2.488	12.2	20.2
10 28	3 30.42	+17 53.2	1.534	2.491	7.8	20.0
11 7	3 20.98	+16 53.9	1.508	2.493	3.0	19.7
11 17	3 10.87	+15 51.3	1.509	2.495	2.2	19.6
11 27	3 1.43	+14 51.8	1.540	2.497	7.0	19.9
12 7	2 53.77	+14 1.9	1.596	2.499	11.4	20.2
12 17	2 48.64	+13 25.8	1.676	2.500	15.1	20.4

195578 2002 JB_{100} 11 13.3 67°.51 5°.9/ 8.8 18

10 8	3 38.16	+ 3 4.4	2.128	2.958	12.8	19.7
10 18	3 33.45	+ 1 42.9	2.084	2.981	10.0	19.6
10 28	3 27.01	+ 0 25.5	2.064	3.004	7.4	19.5
11 7	3 19.52	− 0 41.8	2.072	3.028	6.0	19.5
11 17	3 11.77	− 1 34.0	2.107	3.051	6.7	19.5
11 27	3 4.60	− 2 7.4	2.171	3.074	8.8	19.7
12 7	2 58.72	− 2 21.0	2.259	3.097	11.2	19.9
12 17	2 54.61	− 2 15.6	2.370	3.120	13.4	20.1

225071 2007 HE_{70} 11 13.3 172°.91 0°.7/13.8 18

10 8	3 42.13	+20 15.6	2.848	3.643	10.8	21.3
10 18	3 36.36	+20 28.8	2.761	3.646	8.3	21.1
10 28	3 28.92	+20 36.6	2.700	3.648	5.4	20.9
11 7	3 20.33	+20 39.1	2.667	3.649	2.3	20.7
11 17	3 11.26	+20 37.1	2.664	3.651	1.3	20.6
11 27	3 2.50	+20 32.4	2.694	3.652	4.3	20.8
12 7	2 54.77	+20 27.4	2.753	3.652	7.3	21.0
12 17	2 48.62	+20 24.5	2.839	3.653	9.9	21.2

378148 2006 VF_{107} 11 13.3 23°.25 2°.0/13.9 18

10 8	3 43.69	+19 13.9	0.916	1.781	22.6	19.6
10 18	3 40.10	+20 9.2	0.872	1.794	17.4	19.4
10 28	3 32.42	+20 55.2	0.846	1.808	11.5	19.1
11 7	3 21.89	+21 29.5	0.840	1.825	5.1	18.9
11 17	3 10.40	+21 51.8	0.857	1.843	2.9	18.8
11 27	3 0.18	+22 5.3	0.896	1.863	8.7	19.2
12 7	2 52.93	+22 15.8	0.958	1.885	14.3	19.6
12 17	2 49.56	+22 28.8	1.039	1.907	18.9	19.9

383574 2007 ER_{191} 11 13.3 253°.37 0°.3/13.5 18

10 8	3 42.99	+20 20.9	1.669	2.492	15.9	21.7
10 18	3 38.20	+20 8.7	1.585	2.486	12.3	21.4
10 28	3 30.66	+19 46.1	1.523	2.479	8.1	21.2
11 7	3 21.14	+19 14.3	1.487	2.472	3.3	20.8
11 17	3 10.77	+18 36.2	1.477	2.464	1.8	20.7
11 27	3 0.91	+17 56.8	1.496	2.457	6.7	21.0
12 7	2 52.79	+17 22.0	1.542	2.449	11.3	21.3
12 17	2 47.25	+16 56.5	1.610	2.442	15.2	21.5

2142 Landau 11 13.3 231°.19 0°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.36	+18 37.4	2.632	3.442	11.2	17.5
10 18	3 33.65	+18 19.1	2.541	3.435	8.5	17.3
10 28	3 27.25	+17 54.6	2.474	3.428	5.5	17.1
11 7	3 19.69	+17 25.4	2.435	3.421	2.1	16.9
11 17	3 11.64	+16 53.7	2.427	3.413	1.4	16.8
11 27	3 3.90	+16 22.6	2.448	3.405	4.8	17.0
12 7	2 57.19	+15 55.4	2.499	3.397	8.0	17.2
12 17	2 52.08	+15 34.7	2.575	3.389	10.8	17.4

132160 2002 ES_2 11 13.3 169°.63 2°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.95	+13 6.4	2.094	2.916	13.2	21.3
10 18	3 36.61	+12 23.4	2.018	2.920	10.0	21.1
10 28	3 29.23	+11 36.2	1.967	2.923	6.5	20.9
11 7	3 20.47	+10 48.2	1.943	2.925	3.2	20.7
11 17	3 11.21	+10 3.7	1.948	2.927	3.4	20.7
11 27	3 2.44	+ 9 27.1	1.983	2.929	6.7	20.9
12 7	2 55.05	+ 9 1.7	2.046	2.930	10.2	21.1
12 17	2 49.64	+ 8 49.7	2.133	2.930	13.2	21.4

54880 2001 OT_{54} 11 13.3 35°.64 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.32	+18 45.4	1.139	1.990	20.0	18.5
10 18	3 39.03	+18 48.8	1.091	2.006	15.3	18.2
10 28	3 31.33	+18 42.2	1.062	2.023	9.8	18.0
11 7	3 21.37	+18 27.2	1.055	2.041	3.9	17.7
11 17	3 10.72	+18 7.1	1.073	2.060	2.2	17.7
11 27	3 1.16	+17 47.6	1.116	2.080	8.0	18.1
12 7	2 54.09	+17 34.3	1.183	2.101	13.1	18.4
12 17	2 50.26	+17 31.2	1.270	2.122	17.3	18.8

151497 2002 JD_{78} 11 13.3 69°.20 1°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.17	+23 56.8	2.109	2.912	13.8	19.5
10 18	3 36.84	+24 6.2	2.044	2.929	10.7	19.4
10 28	3 29.38	+24 5.7	2.001	2.947	7.2	19.2
11 7	3 20.52	+23 55.2	1.985	2.964	3.5	19.0
11 17	3 11.19	+23 36.2	1.997	2.982	2.1	18.9
11 27	3 2.44	+23 11.8	2.040	3.000	5.3	19.2
12 7	2 55.17	+22 46.4	2.110	3.017	8.7	19.4
12 17	2 50.00	+22 24.0	2.205	3.035	11.7	19.6

63288 2001 DW_{79} 11 13.3 113°.70 0°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.69	+22 11.2	2.331	3.139	12.5	19.7
10 18	3 34.02	+21 36.5	2.253	3.144	9.6	19.5
10 28	3 27.50	+20 51.9	2.198	3.150	6.2	19.3
11 7	3 19.77	+19 59.2	2.171	3.155	2.6	19.1
11 17	3 11.62	+19 1.7	2.174	3.161	1.3	19.0
11 27	3 3.94	+18 3.8	2.207	3.166	5.0	19.2
12 7	2 57.51	+17 10.4	2.268	3.171	8.4	19.5
12 17	2 52.88	+16 25.4	2.355	3.176	11.4	19.7

145127 2005 GL_{147} 11 13.3 159°.21 1°.3/13.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.19	+22 37.8	1.704	2.515	16.2	20.8
10 18	3 40.48	+22 32.4	1.628	2.520	12.6	20.6
10 28	3 32.02	+22 15.1	1.574	2.525	8.3	20.4
11 7	3 21.64	+21 46.4	1.546	2.529	3.7	20.1
11 17	3 10.53	+21 8.6	1.546	2.533	2.0	20.0
11 27	3 0.08	+20 26.8	1.575	2.536	6.5	20.3
12 7	2 51.49	+19 46.9	1.631	2.538	10.8	20.6
12 17	2 45.55	+19 14.4	1.710	2.540	14.6	20.8

303525 2005 EQ_{227} 11 13.3 224°.11 1°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.60	+15 51.7	1.968	2.789	14.0	21.0
10 18	3 37.41	+15 43.0	1.884	2.785	10.7	20.8
10 28	3 29.92	+15 29.2	1.824	2.780	6.9	20.5
11 7	3 20.81	+15 12.2	1.790	2.776	2.7	20.3
11 17	3 11.01	+14 54.4	1.786	2.771	2.2	20.2
11 27	3 1.64	+14 39.3	1.810	2.766	6.3	20.5
12 7	2 53.72	+14 30.2	1.862	2.761	10.2	20.7
12 17	2 47.97	+14 29.8	1.938	2.755	13.6	20.9

163936 2003 TT_{11} 11 13.3 67°.69 1°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.51	+21 36.7	1.614	2.433	16.6	20.4
10 18	3 39.78	+21 37.7	1.561	2.457	12.7	20.2
10 28	3 31.40	+21 28.1	1.529	2.482	8.3	20.0
11 7	3 21.33	+21 8.6	1.523	2.506	3.6	19.7
11 17	3 10.79	+20 41.7	1.544	2.531	1.9	19.7
11 27	3 1.13	+20 12.2	1.594	2.555	6.3	20.0
12 7	2 53.44	+19 45.2	1.670	2.580	10.5	20.3
12 17	2 48.38	+19 25.1	1.770	2.604	14.0	20.6

275448 2011 CX_{72} 11 13.3 342°.97 9°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.15	+ 3 57.3	1.205	2.069	18.3	19.8
10 18	3 34.22	+ 2 1.7	1.145	2.062	14.6	19.6
10 28	3 28.29	+ 0 7.0	1.106	2.056	11.1	19.4
11 7	3 20.25	− 1 34.7	1.089	2.050	9.2	19.3
11 17	3 11.38	− 2 51.7	1.096	2.046	10.6	19.3
11 27	3 3.22	− 3 35.5	1.126	2.042	13.9	19.5
12 7	2 57.06	− 3 43.4	1.177	2.039	17.7	19.7
12 17	2 53.74	− 3 18.1	1.245	2.036	21.2	20.0

232891 2004 XH_{25} 11 13.3 233°.56 3°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.48	+30 24.5	1.988	2.772	15.2	20.5
10 18	3 38.38	+30 29.3	1.896	2.765	12.3	20.3
10 28	3 30.69	+30 18.2	1.826	2.757	8.9	20.1
11 7	3 21.16	+29 49.6	1.781	2.749	5.5	19.9
11 17	3 10.83	+29 4.4	1.764	2.741	3.9	19.8
11 27	3 0.98	+28 6.4	1.776	2.733	6.2	19.9
12 7	2 52.75	+27 2.4	1.815	2.724	9.8	20.1
12 17	2 46.95	+25 59.6	1.879	2.715	13.2	20.3

268180 2004 XK_{92} 11 13.3 343°.07 1°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.09	+13 47.7	1.913	2.741	14.0	20.0
10 18	3 36.34	+13 57.0	1.832	2.736	10.7	19.8
10 28	3 29.28	+14 4.3	1.773	2.731	6.9	19.5
11 7	3 20.58	+14 10.8	1.741	2.726	2.9	19.3
11 17	3 11.17	+14 18.3	1.737	2.722	2.3	19.2
11 27	3 2.16	+14 29.0	1.762	2.718	6.4	19.5
12 7	2 54.58	+14 45.1	1.814	2.715	10.3	19.7
12 17	2 49.16	+15 8.3	1.890	2.712	13.7	19.9

456046 2005 YT_{216} 11 13.3 241°.87 0°.6/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.07	+20 58.2	2.423	3.229	12.1	22.0
10 18	3 35.17	+20 52.4	2.330	3.221	9.4	21.8
10 28	3 28.35	+20 39.0	2.261	3.212	6.1	21.6
11 7	3 20.18	+20 18.7	2.219	3.203	2.6	21.3
11 17	3 11.42	+19 53.3	2.207	3.194	1.4	21.2
11 27	3 2.98	+19 25.7	2.225	3.185	5.0	21.5
12 7	2 55.70	+18 59.6	2.272	3.175	8.4	21.7
12 17	2 50.21	+18 38.4	2.344	3.165	11.4	21.9

444803 2007 TH_{356} 11 13.3 124°.25 8°.1/19.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.92	+43 23.6	2.418	3.105	15.2	22.2
10 18	3 47.83	+44 34.7	2.348	3.126	13.2	22.1
10 28	3 36.76	+45 26.7	2.298	3.147	11.0	22.0
11 7	3 23.55	+45 54.2	2.272	3.166	9.1	21.9
11 17	3 9.47	+45 54.5	2.274	3.185	8.2	21.9
11 27	2 56.04	+45 28.8	2.303	3.203	8.6	21.9
12 7	2 44.60	+44 43.1	2.360	3.220	10.0	22.1
12 17	2 36.02	+43 45.2	2.442	3.236	11.9	22.2

68207 2001 CE_3 11 13.3 98°.46 5°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.28	+ 3 18.3	2.250	3.077	12.3	19.3
10 18	3 33.64	+ 2 26.7	2.186	3.082	9.6	19.2
10 28	3 27.24	+ 1 38.5	2.145	3.087	7.0	19.0
11 7	3 19.69	+ 0 58.4	2.132	3.093	5.4	18.9
11 17	3 11.74	+ 0 30.5	2.146	3.098	6.0	19.0
11 27	3 4.24	+ 0 17.8	2.189	3.103	8.2	19.1
12 7	2 57.91	+ 0 21.6	2.258	3.109	10.8	19.3
12 17	2 53.31	+ 0 41.5	2.350	3.114	13.2	19.5

284548 2007 RL_{279} 11 13.3 52°.70 8°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.94	− 2 13.9	1.549	2.381	16.5	20.3
10 18	3 37.75	− 3 3.2	1.502	2.395	13.4	20.2
10 28	3 30.08	− 3 41.2	1.476	2.408	10.4	20.0
11 7	3 20.82	− 4 1.1	1.474	2.422	8.7	20.0
11 17	3 11.11	− 3 58.1	1.497	2.437	9.3	20.0
11 27	3 2.19	− 3 30.4	1.546	2.451	11.6	20.2
12 7	2 55.08	− 2 39.7	1.618	2.466	14.5	20.4
12 17	2 50.41	− 1 29.7	1.711	2.481	17.1	20.6

453541 2009 WZ_{133} 11 13.3 1°.17 1°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.89	+12 55.3	2.043	2.868	13.3	20.5
10 18	3 35.97	+12 57.9	1.965	2.868	10.2	20.3
10 28	3 28.93	+12 58.8	1.911	2.868	6.6	20.1
11 7	3 20.42	+12 59.7	1.883	2.868	2.8	19.9
11 17	3 11.30	+13 2.5	1.885	2.868	2.5	19.8
11 27	3 2.61	+13 9.5	1.915	2.869	6.2	20.1
12 7	2 55.26	+13 22.9	1.973	2.870	9.8	20.3
12 17	2 49.93	+13 43.9	2.055	2.871	13.0	20.5

517079 2013 CZ_{97} 11 13.3 281°.07 5°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.50	+ 6 56.9	1.855	2.690	14.1	21.6
10 18	3 35.07	+ 6 2.0	1.778	2.684	10.9	21.4
10 28	3 28.42	+ 5 7.2	1.725	2.677	7.6	21.2
11 7	3 20.23	+ 4 17.7	1.698	2.670	5.2	21.0
11 17	3 11.42	+ 3 39.1	1.699	2.663	5.9	21.0
11 27	3 3.05	+ 3 15.9	1.726	2.656	8.8	21.2
12 7	2 56.10	+ 3 10.7	1.780	2.649	12.2	21.4
12 17	2 51.26	+ 3 23.8	1.855	2.643	15.3	21.6

170669 2003 YH_{158} 11 13.3 16°.18 8°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.14	+37 0.0	1.360	2.151	20.6	19.2
10 18	3 38.58	+37 53.4	1.296	2.156	17.3	19.0
10 28	3 31.38	+38 22.2	1.250	2.162	13.7	18.8
11 7	3 21.54	+38 20.8	1.224	2.170	10.4	18.7
11 17	3 10.66	+37 47.6	1.221	2.179	8.6	18.6
11 27	3 0.66	+36 47.0	1.242	2.188	9.7	18.7
12 7	2 53.18	+35 29.5	1.287	2.199	12.7	18.9
12 17	2 49.18	+34 6.7	1.354	2.210	16.1	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
514214 2015 OU_4			11 13.3 148°.29		8°.1/ 8.0 18	
	h m	° ′			°	m
10 8	3 40.74	− 1 36.2	1.873	2.699	14.4	21.5
10 18	3 35.82	− 2 57.3	1.815	2.703	11.7	21.4
10 28	3 28.78	− 4 11.0	1.779	2.707	9.3	21.2
11 7	3 20.33	− 5 10.1	1.770	2.711	8.1	21.2
11 17	3 11.40	− 5 48.5	1.787	2.714	8.9	21.2
11 27	3 3.03	− 6 2.5	1.830	2.717	11.1	21.4
12 7	2 56.12	− 5 51.7	1.896	2.720	13.7	21.5
12 17	2 51.28	− 5 18.2	1.984	2.723	16.1	21.7
214762 2006 TU_{108}			11 13.3 141°.59		3°.8/11.0 18	
10 8	3 41.66	+ 7 39.7	2.175	2.997	12.7	21.0
10 18	3 36.28	+ 7 10.9	2.105	3.004	9.8	20.8
10 28	3 28.98	+ 6 43.0	2.060	3.011	6.6	20.7
11 7	3 20.39	+ 6 19.6	2.042	3.017	4.1	20.5
11 17	3 11.35	+ 6 3.9	2.053	3.022	4.4	20.6
11 27	3 2.80	+ 5 58.8	2.093	3.028	7.2	20.7
12 7	2 55.53	+ 6 5.9	2.160	3.033	10.2	20.9
12 17	2 50.15	+ 6 25.4	2.252	3.038	13.0	21.1
440373 2005 AE_{74}			11 13.3 324°.83		5°.0/16.1 16	
10 8	3 41.75	+30 53.8	1.581	2.382	17.7	21.2
10 18	3 37.74	+31 13.9	1.496	2.373	14.4	21.0
10 28	3 30.64	+31 15.6	1.431	2.365	10.6	20.7
11 7	3 21.24	+30 56.2	1.389	2.357	6.8	20.5
11 17	3 10.81	+30 15.8	1.373	2.349	5.1	20.4
11 27	3 0.93	+29 18.7	1.383	2.342	7.5	20.5
12 7	2 53.03	+28 13.2	1.419	2.335	11.4	20.7
12 17	2 48.07	+27 8.2	1.478	2.329	15.3	20.9
171307 2006 HJ_{35}			11 13.3 124°.05		0°.1/13.3 18	
10 8	3 43.58	+19 9.2	2.032	2.844	13.9	21.5
10 18	3 37.94	+18 56.4	1.962	2.857	10.6	21.3
10 28	3 30.12	+18 35.9	1.915	2.869	6.8	21.1
11 7	3 20.86	+18 9.3	1.896	2.880	2.7	20.9
11 17	3 11.10	+17 39.2	1.905	2.892	1.6	20.8
11 27	3 1.93	+17 9.4	1.944	2.903	5.7	21.1
12 7	2 54.26	+16 44.0	2.012	2.913	9.4	21.4
12 17	2 48.73	+16 26.3	2.104	2.923	12.6	21.6
217742 2000 CU_{22}			11 13.3 335°.80		6°.5/10.0 18	
10 8	3 34.84	+ 9 41.6	1.078	1.953	19.1	19.3
10 18	3 33.00	+ 8 24.9	1.007	1.935	14.9	19.0
10 28	3 27.85	+ 7 1.8	0.955	1.919	10.3	18.7
11 7	3 20.21	+ 5 41.9	0.925	1.903	6.7	18.4
11 17	3 11.43	+ 4 36.0	0.917	1.889	7.8	18.4
11 27	3 3.23	+ 3 53.9	0.932	1.877	12.3	18.7
12 7	2 57.16	+ 3 41.3	0.967	1.866	17.3	18.9
12 17	2 54.25	+ 3 58.6	1.020	1.856	21.7	19.1
190479 2000 DA_{97}			11 13.3 52°.95		9°.6/21.6 18	
10 8	3 47.10	+48 28.4	2.308	2.983	16.1	19.8
10 18	3 41.52	+49 25.5	2.230	2.989	14.4	19.6
10 28	3 32.89	+50 0.7	2.170	2.995	12.5	19.5
11 7	3 22.08	+50 8.9	2.131	3.001	10.8	19.4
11 17	3 10.37	+49 47.1	2.117	3.007	9.8	19.4
11 27	2 59.30	+48 57.1	2.127	3.013	9.8	19.4
12 7	2 50.25	+47 44.9	2.162	3.020	10.9	19.5
12 17	2 44.09	+46 18.9	2.222	3.026	12.5	19.6
511976 2015 KN_{58}			11 13.3 18°.39		3°.1/11.6 18	
10 8	3 40.35	+14 47.2	1.389	2.237	17.3	20.8
10 18	3 36.35	+13 44.7	1.324	2.239	13.2	20.5
10 28	3 29.51	+12 33.6	1.279	2.240	8.5	20.3
11 7	3 20.71	+11 19.6	1.259	2.243	4.0	20.0
11 17	3 11.21	+10 10.2	1.264	2.245	4.3	20.1
11 27	3 2.44	+ 9 13.3	1.297	2.248	8.8	20.3
12 7	2 55.61	+ 8 34.4	1.353	2.251	13.4	20.6
12 17	2 51.50	+ 8 16.3	1.431	2.254	17.3	20.9
7470 Jabberwock			11 13.3 193°.21		0°.7/13.0 18	
10 8	3 46.57	+16 23.6	1.616	2.441	16.3	18.1
10 18	3 40.94	+16 26.3	1.538	2.440	12.5	17.8
10 28	3 32.45	+16 23.5	1.482	2.439	8.1	17.6
11 7	3 21.91	+16 16.2	1.452	2.438	3.2	17.3
11 17	3 10.50	+16 6.8	1.450	2.436	2.2	17.2
11 27	2 59.66	+15 58.7	1.476	2.434	7.1	17.5
12 7	2 50.66	+15 55.9	1.528	2.432	11.7	17.8
12 17	2 44.39	+16 1.6	1.604	2.429	15.6	18.0
387327 2012 VB_{81}			11 13.3 153°.76		4°.2/10.7 18	
10 8	3 40.95	+ 9 48.9	1.773	2.609	14.6	21.1
10 18	3 36.20	+ 8 50.6	1.704	2.611	11.2	20.9
10 28	3 29.14	+ 7 49.9	1.658	2.613	7.5	20.7
11 7	3 20.52	+ 6 52.1	1.637	2.615	4.6	20.6
11 17	3 11.34	+ 6 3.0	1.645	2.616	5.1	20.6
11 27	3 2.72	+ 5 27.7	1.681	2.618	8.4	20.8
12 7	2 55.65	+ 5 9.5	1.742	2.619	12.0	21.0
12 17	2 50.80	+ 5 9.4	1.825	2.620	15.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
299581 2006 FU_{42}			11 13.3 141°.79		3°.8/10.4 18	
	h m	° ′			°	m
10 8	3 41.34	+ 9 19.5	2.297	3.117	12.2	22.5
10 18	3 35.87	+ 8 12.3	2.232	3.130	9.3	22.3
10 28	3 28.62	+ 7 3.5	2.192	3.142	6.3	22.2
11 7	3 20.25	+ 5 57.7	2.180	3.154	4.0	22.1
11 17	3 11.52	+ 4 59.8	2.198	3.165	4.5	22.1
11 27	3 3.31	+ 4 14.1	2.247	3.175	7.2	22.3
12 7	2 56.35	+ 3 43.3	2.323	3.185	10.1	22.5
12 17	2 51.18	+ 3 28.4	2.422	3.193	12.6	22.7
139153 2001 FW_{101}			11 13.3 170°.46		1°.0/13.9 17	
10 8	3 45.10	+23 15.1	1.837	2.644	15.4	20.0
10 18	3 39.47	+22 49.4	1.758	2.648	11.9	19.8
10 28	3 31.30	+22 10.6	1.701	2.651	7.9	19.5
11 7	3 21.39	+21 20.1	1.671	2.654	3.4	19.3
11 17	3 10.85	+20 21.2	1.669	2.656	1.7	19.2
11 27	3 0.92	+19 19.7	1.697	2.657	6.1	19.4
12 7	2 52.71	+18 22.1	1.752	2.657	10.3	19.7
12 17	2 46.96	+17 33.9	1.832	2.657	13.9	19.9
329427 2002 NT_{72}			11 13.3 107°.97		4°.7/11.0 17	
10 8	3 44.79	+ 8 54.0	1.530	2.367	16.5	21.1
10 18	3 39.30	+ 8 5.3	1.473	2.380	12.6	20.9
10 28	3 31.18	+ 7 16.1	1.437	2.392	8.5	20.7
11 7	3 21.32	+ 6 32.1	1.427	2.404	5.1	20.5
11 17	3 10.92	+ 5 58.7	1.444	2.416	5.6	20.6
11 27	3 1.31	+ 5 40.7	1.488	2.427	9.2	20.8
12 7	2 53.60	+ 5 40.5	1.557	2.438	13.0	21.1
12 17	2 48.47	+ 5 57.9	1.648	2.449	16.4	21.3
443777 2015 MS_{67}			11 13.3 149°.28		5°.6/10.4 18	
10 8	3 43.26	+ 3 51.6	1.881	2.708	14.3	21.4
10 18	3 37.78	+ 3 12.1	1.815	2.713	11.2	21.3
10 28	3 30.07	+ 2 36.7	1.772	2.717	8.0	21.1
11 7	3 20.88	+ 2 10.1	1.755	2.721	5.8	21.0
11 17	3 11.16	+ 1 56.8	1.767	2.725	6.3	21.0
11 27	3 2.00	+ 1 59.7	1.806	2.729	9.0	21.2
12 7	2 54.34	+ 2 19.7	1.870	2.732	12.1	21.4
12 17	2 48.84	+ 2 55.9	1.958	2.735	15.0	21.6
75968 2000 CF_{104}			11 13.3 215°.34		0°.8/12.7 18	
10 8	3 38.49	+16 29.8	2.733	3.544	10.8	19.9
10 18	3 33.69	+16 10.0	2.643	3.539	8.2	19.7
10 28	3 27.28	+15 45.5	2.579	3.533	5.2	19.5
11 7	3 19.76	+15 18.0	2.542	3.527	2.1	19.3
11 17	3 11.80	+14 49.7	2.536	3.521	1.7	19.3
11 27	3 4.13	+14 23.5	2.561	3.514	4.8	19.5
12 7	2 57.45	+14 2.3	2.614	3.507	7.9	19.7
12 17	2 52.28	+13 48.3	2.693	3.500	10.5	19.8
308074 2004 TL_{238}			11 13.3 104°.47		1°.8/12.6 17	
10 8	3 49.08	+14 54.5	1.407	2.238	18.0	20.4
10 18	3 42.82	+14 39.7	1.351	2.257	13.7	20.2
10 28	3 33.54	+14 19.3	1.317	2.275	8.7	20.0
11 7	3 22.27	+13 56.3	1.307	2.292	3.6	19.7
11 17	3 10.41	+13 34.4	1.324	2.309	3.0	19.7
11 27	2 59.51	+13 18.2	1.370	2.325	7.9	20.1
12 7	2 50.84	+13 11.9	1.441	2.341	12.5	20.4
12 17	2 45.14	+13 17.6	1.534	2.356	16.3	20.7
414359 2008 TW_{106}			11 13.3 145°.33		2°.6/15.3 17	
10 8	3 42.79	+27 41.7	2.951	3.721	11.0	22.1
10 18	3 36.92	+28 4.6	2.868	3.731	8.7	21.9
10 28	3 29.33	+28 18.4	2.810	3.739	6.2	21.8
11 7	3 20.57	+28 22.4	2.779	3.748	3.7	21.6
11 17	3 11.35	+28 16.6	2.779	3.756	2.7	21.6
11 27	3 2.46	+28 2.8	2.810	3.763	4.4	21.7
12 7	2 54.66	+27 44.1	2.870	3.771	7.0	21.9
12 17	2 48.49	+27 23.9	2.958	3.777	9.3	22.1
500080 2011 WV_{134}			11 13.3 306°.06		3°.0/11.3 17	C
10 8	3 46.67	+12 10.6	2.263	3.072	12.8	22.1
10 18	3 40.87	+11 23.8	2.115	3.008	10.0	21.8
10 28	3 32.54	+10 30.0	1.992	2.943	6.8	21.4
11 7	3 22.10	+ 9 31.9	1.896	2.877	3.6	21.1
11 17	3 10.31	+ 8 33.7	1.832	2.808	4.0	21.0
11 27	2 58.25	+ 7 41.0	1.799	2.738	7.9	21.1
12 7	2 47.08	+ 6 59.2	1.795	2.666	12.1	21.2
12 17	2 37.83	+ 6 32.6	1.816	2.592	16.0	21.3
209718 2005 EQ_{124}			11 13.3 293°.39		3°.9/10.8 18	
10 8	3 38.97	+11 39.2	1.714	2.554	14.8	20.4
10 18	3 34.98	+10 36.6	1.629	2.539	11.4	20.2
10 28	3 28.56	+ 9 28.3	1.566	2.524	7.6	19.9
11 7	3 20.38	+ 8 19.5	1.530	2.509	4.3	19.7
11 17	3 11.43	+ 7 16.8	1.520	2.495	4.9	19.7
11 27	3 2.90	+ 6 26.7	1.538	2.480	8.7	19.9
12 7	2 55.87	+ 5 54.1	1.581	2.465	12.7	20.1
12 17	2 51.13	+ 5 41.1	1.647	2.451	16.2	20.3

336131 2008 PH_{11} 11 13.3 56°.24 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.40	+19 46.6	1.342	2.177	18.5	20.6
10 18	3 40.08	+19 35.0	1.295	2.201	14.1	20.4
10 28	3 31.76	+19 12.8	1.269	2.227	9.0	20.2
11 7	3 21.55	+18 42.0	1.267	2.252	3.6	19.9
11 17	3 10.87	+18 6.5	1.291	2.278	2.0	19.9
11 27	3 1.24	+17 32.3	1.342	2.303	7.2	20.3
12 7	2 53.88	+17 5.0	1.418	2.329	11.8	20.6
12 17	2 49.44	+16 48.7	1.516	2.355	15.7	20.9

141860 2002 PW_{20} 11 13.3 128°.21 0°.3/13.2 17

10 8	3 45.66	+19 40.4	1.665	2.485	16.1	21.6
10 18	3 39.97	+19 14.5	1.598	2.497	12.4	21.3
10 28	3 31.63	+18 38.3	1.553	2.508	7.9	21.1
11 7	3 21.53	+17 54.1	1.534	2.519	3.1	20.8
11 17	3 10.84	+17 5.8	1.543	2.529	1.9	20.8
11 27	3 0.90	+16 19.2	1.581	2.539	6.7	21.1
12 7	2 52.83	+15 39.8	1.645	2.549	11.0	21.4
12 17	2 47.34	+15 12.0	1.733	2.557	14.7	21.7

276805 2004 PT_{18} 11 13.3 78°.90 1°.1/12.7 16

10 8	3 44.13	+17 32.1	1.571	2.401	16.5	21.3
10 18	3 38.77	+17 0.7	1.515	2.420	12.5	21.1
10 28	3 30.81	+16 21.0	1.482	2.440	7.9	20.9
11 7	3 21.18	+15 36.2	1.473	2.459	3.1	20.6
11 17	3 11.07	+14 50.9	1.492	2.478	2.4	20.6
11 27	3 1.81	+14 10.7	1.540	2.497	7.0	20.9
12 7	2 54.47	+13 40.5	1.613	2.515	11.3	21.2
12 17	2 49.69	+13 23.3	1.710	2.534	14.8	21.5

394931 2008 WV_{101} 11 13.3 8°.38 4°.0/11.5 18

10 8	3 35.56	+12 51.3	1.085	1.958	19.2	19.3
10 18	3 33.29	+12 2.7	1.032	1.959	14.7	19.1
10 28	3 27.82	+11 8.2	0.997	1.963	9.6	18.8
11 7	3 20.13	+10 14.8	0.984	1.968	4.8	18.5
11 17	3 11.66	+ 9 29.9	0.994	1.975	5.2	18.6
11 27	3 4.03	+ 9 1.0	1.028	1.984	9.9	18.9
12 7	2 58.61	+ 8 52.3	1.084	1.994	14.8	19.2
12 17	2 56.18	+ 9 4.5	1.159	2.005	19.0	19.5

10209 Izanaki 11 13.3 16°.65 0°.4/13.5 18

10 8	3 40.69	+18 49.1	1.096	1.954	20.2	16.7
10 18	3 37.37	+19 1.9	1.041	1.960	15.5	16.4
10 28	3 30.54	+19 4.9	1.005	1.967	10.1	16.1
11 7	3 21.23	+18 59.1	0.990	1.976	4.1	15.8
11 17	3 11.02	+18 47.3	0.999	1.986	2.2	15.7
11 27	3 1.74	+18 34.5	1.032	1.998	8.1	16.1
12 7	2 54.92	+18 26.5	1.088	2.010	13.5	16.5
12 17	2 51.43	+18 27.6	1.165	2.024	17.9	16.8

404770 2014 JL_{43} 11 13.3 230°.19 3°.7/11.2 18

10 8	3 43.60	+ 7 28.8	2.284	3.100	12.4	21.5
10 18	3 37.90	+ 7 5.5	2.192	3.087	9.6	21.3
10 28	3 30.16	+ 6 43.0	2.124	3.073	6.6	21.1
11 7	3 20.97	+ 6 24.5	2.084	3.059	4.0	20.9
11 17	3 11.14	+ 6 13.0	2.074	3.045	4.4	20.9
11 27	3 1.60	+ 6 11.6	2.094	3.029	7.2	21.0
12 7	2 53.26	+ 6 21.9	2.142	3.013	10.4	21.2
12 17	2 46.79	+ 6 44.7	2.215	2.996	13.3	21.4

397985 2009 BC_{88} 11 13.3 227°.30 2°.0/12.2 18

10 8	3 41.41	+14 9.2	1.866	2.695	14.3	21.5
10 18	3 36.58	+13 42.5	1.788	2.693	10.9	21.3
10 28	3 29.45	+13 11.0	1.733	2.691	7.0	21.1
11 7	3 20.70	+12 37.8	1.704	2.688	3.1	20.8
11 17	3 11.32	+12 6.5	1.704	2.686	3.0	20.8
11 27	3 2.42	+11 41.4	1.732	2.684	6.9	21.1
12 7	2 55.00	+11 26.3	1.787	2.681	10.8	21.3
12 17	2 49.79	+11 23.3	1.865	2.679	14.2	21.5

33892 Meligingrich 11 13.3 75°.34 0°.8/12.9 18

10 8	3 43.49	+15 53.3	1.888	2.710	14.4	19.4
10 18	3 38.00	+15 53.8	1.824	2.725	11.0	19.2
10 28	3 30.24	+15 49.7	1.783	2.739	7.0	19.0
11 7	3 20.97	+15 42.5	1.768	2.754	2.8	18.7
11 17	3 11.19	+15 34.3	1.782	2.768	2.0	18.7
11 27	3 2.02	+15 28.2	1.825	2.782	6.1	19.0
12 7	2 54.43	+15 27.1	1.896	2.797	9.9	19.3
12 17	2 49.07	+15 33.3	1.991	2.811	13.2	19.5

516262 2016 UN_{148} 11 13.3 159°.21 3°.6/11.8 18

10 8	3 45.62	+ 8 18.1	1.821	2.646	14.8	20.6
10 18	3 39.76	+ 8 12.3	1.748	2.648	11.4	20.4
10 28	3 31.48	+ 8 8.2	1.697	2.650	7.6	20.2
11 7	3 21.50	+ 8 8.7	1.673	2.652	4.2	20.0
11 17	3 10.87	+ 8 16.4	1.678	2.654	4.3	20.0
11 27	3 0.77	+ 8 33.8	1.711	2.655	7.7	20.2
12 7	2 52.26	+ 9 1.9	1.772	2.657	11.5	20.5
12 17	2 46.09	+ 9 40.9	1.856	2.658	14.8	20.7

453911 2011 UC_{383} 11 13.3 304°.64 0°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.17	+20 41.7	1.826	2.645	15.0	21.3
10 18	3 37.41	+20 48.5	1.742	2.639	11.6	21.0
10 28	3 30.13	+20 46.9	1.680	2.633	7.6	20.8
11 7	3 21.02	+20 37.1	1.644	2.628	3.3	20.5
11 17	3 11.12	+20 20.6	1.635	2.622	1.7	20.4
11 27	3 1.65	+20 0.8	1.655	2.617	6.1	20.7
12 7	2 53.76	+19 42.3	1.702	2.611	10.3	20.9
12 17	2 48.24	+19 29.3	1.773	2.606	14.0	21.1

435532 2008 KK_{35} 11 13.3 190°.07 1°.8/12.3 17

10 8	3 43.86	+15 41.0	1.787	2.612	15.0	22.4
10 18	3 38.54	+15 5.6	1.709	2.612	11.5	22.2
10 28	3 30.75	+14 23.2	1.653	2.610	7.4	21.9
11 7	3 21.23	+13 37.0	1.624	2.609	3.1	21.6
11 17	3 11.04	+12 51.3	1.623	2.607	2.9	21.6
11 27	3 1.39	+12 11.3	1.651	2.604	7.1	21.9
12 7	2 53.37	+11 41.8	1.706	2.601	11.2	22.1
12 17	2 47.72	+11 25.8	1.785	2.597	14.8	22.4

414969 2011 CP_{50} 11 13.3 308°.91 2°.8/15.3 17

10 8	3 38.84	+27 48.7	2.043	2.842	14.3	20.8
10 18	3 34.80	+27 40.9	1.945	2.826	11.4	20.6
10 28	3 28.42	+27 18.7	1.870	2.810	8.0	20.4
11 7	3 20.35	+26 41.7	1.819	2.794	4.5	20.1
11 17	3 11.52	+25 51.6	1.797	2.779	2.9	20.0
11 27	3 3.05	+24 52.5	1.803	2.764	5.7	20.1
12 7	2 56.00	+23 50.6	1.836	2.749	9.5	20.3
12 17	2 51.12	+22 52.3	1.894	2.734	12.9	20.5

133262 2003 RK_{26} 11 13.3 54°.34 8°.3/10.1 18

10 8	3 44.46	− 2 15.0	1.582	2.411	16.5	19.4
10 18	3 38.94	− 2 49.8	1.530	2.421	13.3	19.2
10 28	3 30.91	− 3 13.1	1.500	2.433	10.3	19.1
11 7	3 21.25	− 3 18.9	1.493	2.444	8.4	19.0
11 17	3 11.09	− 3 3.1	1.513	2.456	8.9	19.0
11 27	3 1.69	− 2 24.1	1.558	2.467	11.2	19.2
12 7	2 54.09	− 1 24.0	1.628	2.479	14.2	19.4
12 17	2 48.96	− 0 6.4	1.719	2.492	16.9	19.7

50765 2000 FM 11 13.3 201°.36 3°.6/11.2 18

10 8	3 41.52	+ 8 38.9	2.078	2.903	13.2	18.8
10 18	3 36.39	+ 8 9.7	2.000	2.902	10.1	18.6
10 28	3 29.20	+ 7 40.4	1.947	2.900	6.8	18.4
11 7	3 20.60	+ 7 14.7	1.920	2.897	4.0	18.2
11 17	3 11.44	+ 6 56.1	1.923	2.895	4.4	18.2
11 27	3 2.70	+ 6 47.8	1.954	2.892	7.3	18.4
12 7	2 55.29	+ 6 52.0	2.012	2.889	10.7	18.6
12 17	2 49.85	+ 7 9.3	2.094	2.886	13.6	18.8

187955 2001 OV_{33} 11 13.3 103°.44 1°.9/12.4 18

10 8	3 47.11	+14 13.4	1.723	2.546	15.6	20.8
10 18	3 40.79	+13 54.9	1.667	2.568	11.8	20.6
10 28	3 32.02	+13 32.1	1.633	2.589	7.5	20.4
11 7	3 21.67	+13 7.9	1.626	2.610	3.2	20.2
11 17	3 10.88	+12 45.5	1.647	2.631	2.9	20.2
11 27	3 0.89	+12 29.0	1.698	2.650	7.0	20.5
12 7	2 52.72	+12 21.4	1.775	2.669	10.9	20.8
12 17	2 47.02	+12 24.8	1.877	2.688	14.2	21.0

166317 2002 JY_{51} 11 13.3 106°.06 0°.4/13.6 18

10 8	3 45.80	+20 35.1	2.173	2.974	13.5	21.3
10 18	3 39.40	+20 25.5	2.113	3.001	10.3	21.2
10 28	3 30.95	+20 7.8	2.076	3.026	6.6	21.0
11 7	3 21.22	+19 43.0	2.067	3.051	2.7	20.8
11 17	3 11.14	+19 13.7	2.089	3.075	1.4	20.7
11 27	3 1.73	+18 43.2	2.141	3.099	5.2	21.0
12 7	2 53.83	+18 15.7	2.221	3.122	8.7	21.3
12 17	2 48.01	+17 54.5	2.328	3.144	11.7	21.5

243251 2007 VY_{315} 11 13.3 74°.53 7°.6/ 9.7 18

10 8	3 43.46	− 1 21.1	1.756	2.580	15.2	19.5
10 18	3 37.88	− 2 7.0	1.708	2.598	12.2	19.4
10 28	3 30.09	− 2 43.4	1.684	2.616	9.4	19.2
11 7	3 20.90	− 3 4.6	1.684	2.634	7.7	19.2
11 17	3 11.33	− 3 6.3	1.711	2.651	8.2	19.3
11 27	3 2.50	− 2 46.5	1.764	2.669	10.4	19.4
12 7	2 55.31	− 2 6.4	1.843	2.686	13.1	19.6
12 17	2 50.34	− 1 8.8	1.942	2.704	15.6	19.9

313358 2002 GP_{153} 11 13.4 119°.45 5°.3/ 9.1 18

10 8	3 38.09	+ 2 39.8	2.461	3.282	11.5	20.6
10 18	3 33.35	+ 1 35.6	2.401	3.293	9.0	20.5
10 28	3 27.02	+ 0 34.9	2.366	3.304	6.7	20.4
11 7	3 19.68	− 0 17.7	2.359	3.315	5.4	20.3
11 17	3 12.02	− 0 58.0	2.380	3.325	6.0	20.4
11 27	3 4.79	− 1 22.8	2.430	3.335	7.9	20.5
12 7	2 58.66	− 1 30.8	2.507	3.345	10.3	20.7
12 17	2 54.10	− 1 22.5	2.606	3.354	12.4	20.8

244833 2003 UW_{49} 11 13.4 72°.82 4°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.60	+33 54.3	1.740	2.520	17.1	20.1
10 18	3 38.60	+33 36.9	1.669	2.532	13.9	19.9
10 28	3 30.83	+32 57.6	1.619	2.544	10.3	19.7
11 7	3 21.26	+31 55.5	1.593	2.557	6.6	19.6
11 17	3 11.14	+30 33.4	1.594	2.569	4.7	19.5
11 27	3 1.87	+28 58.1	1.624	2.581	6.7	19.6
12 7	2 54.58	+27 19.1	1.680	2.594	10.2	19.8
12 17	2 49.97	+25 45.5	1.762	2.606	13.6	20.1

219219 1999 VB_{119} 11 13.4 50°.89 2°.9/15.0 18

10 8	3 42.72	+26 7.5	2.018	2.816	14.5	20.5
10 18	3 37.60	+26 32.2	1.944	2.824	11.4	20.3
10 28	3 30.13	+26 45.7	1.891	2.832	8.0	20.1
11 7	3 21.01	+26 47.0	1.865	2.840	4.5	19.9
11 17	3 11.25	+26 36.4	1.867	2.848	3.0	19.8
11 27	3 2.00	+26 16.7	1.897	2.856	5.7	20.0
12 7	2 54.30	+25 52.6	1.955	2.865	9.2	20.3
12 17	2 48.85	+25 28.8	2.038	2.873	12.4	20.5

190489 2000 EW_{61} 11 13.4 238°.55 4°.9/ 8.9 17

10 8	3 36.54	+ 4 43.0	2.531	3.357	11.1	20.5
10 18	3 32.27	+ 3 31.7	2.453	3.350	8.7	20.4
10 28	3 26.41	+ 2 21.3	2.401	3.344	6.3	20.2
11 7	3 19.48	+ 1 16.4	2.376	3.337	4.9	20.1
11 17	3 12.14	+ 0 21.8	2.381	3.331	5.6	20.1
11 27	3 5.11	− 0 18.5	2.414	3.324	7.7	20.3
12 7	2 59.09	− 0 42.4	2.473	3.317	10.2	20.4
12 17	2 54.58	− 0 49.3	2.556	3.309	12.5	20.6

278491 2007 VQ_{148} 11 13.4 17°.71 1°.5/12.9 18

10 8	3 43.19	+15 2.0	1.030	1.892	20.8	20.1
10 18	3 39.48	+15 8.4	0.974	1.896	16.0	19.8
10 28	3 32.03	+15 9.6	0.937	1.901	10.3	19.5
11 7	3 21.91	+15 7.7	0.921	1.907	4.1	19.2
11 17	3 10.78	+15 5.9	0.928	1.914	3.1	19.2
11 27	3 0.61	+15 8.8	0.960	1.922	9.1	19.5
12 7	2 53.05	+15 20.5	1.013	1.932	14.6	19.9
12 17	2 49.04	+15 43.5	1.086	1.942	19.3	20.2

505636 2014 LA_{29} 11 13.4 355°.60 20°.6/28.2 17

10 8	3 37.71	−12 54.4	0.931	1.786	23.1	20.0
10 18	3 35.29	−17 3.1	0.904	1.784	21.3	19.9
10 28	3 29.27	−20 42.5	0.896	1.782	20.6	19.8
11 7	3 20.79	−23 29.9	0.907	1.780	21.2	19.9
11 17	3 11.45	−25 10.7	0.933	1.780	22.9	20.0
11 27	3 3.12	−25 41.0	0.975	1.780	25.0	20.2
12 7	2 57.28	−25 7.6	1.028	1.781	27.2	20.3
12 17	2 54.75	−23 42.5	1.091	1.783	29.1	20.5

441207 2007 UM_{106} 11 13.4 5°.18 1°.5/14.0 18

10 8	3 43.30	+21 2.0	1.607	2.431	16.4	21.3
10 18	3 38.58	+21 24.6	1.532	2.431	12.8	21.1
10 28	3 31.04	+21 38.4	1.478	2.431	8.5	20.9
11 7	3 21.46	+21 43.0	1.449	2.432	3.8	20.6
11 17	3 11.01	+21 39.3	1.447	2.433	2.1	20.5
11 27	3 1.12	+21 30.4	1.473	2.435	6.6	20.8
12 7	2 53.06	+21 20.8	1.524	2.437	11.0	21.0
12 17	2 47.67	+21 15.1	1.599	2.439	14.9	21.3

143190 2002 XQ_{80} 11 13.4 3°.28 1°.7/14.0 18

10 8	3 39.32	+20 58.5	1.295	2.140	18.4	18.8
10 18	3 36.09	+21 25.0	1.228	2.139	14.3	18.5
10 28	3 29.70	+21 41.4	1.181	2.139	9.5	18.2
11 7	3 21.00	+21 47.5	1.156	2.140	4.3	18.0
11 17	3 11.32	+21 44.2	1.156	2.143	2.4	17.8
11 27	3 2.32	+21 35.3	1.182	2.147	7.4	18.2
12 7	2 55.42	+21 26.2	1.232	2.153	12.3	18.5
12 17	2 51.54	+21 21.9	1.303	2.160	16.5	18.7

257822 2000 GC_{132} 11 13.4 142°.88 3°.7/10.4 18

10 8	3 39.83	+ 9 44.6	2.299	3.122	12.1	21.1
10 18	3 34.82	+ 8 37.3	2.231	3.131	9.3	20.9
10 28	3 28.05	+ 7 28.0	2.188	3.140	6.2	20.8
11 7	3 20.14	+ 6 21.3	2.173	3.148	3.9	20.6
11 17	3 11.86	+ 5 22.0	2.188	3.156	4.4	20.7
11 27	3 4.05	+ 4 34.5	2.233	3.163	7.1	20.9
12 7	2 57.45	+ 4 1.8	2.305	3.170	10.0	21.1
12 17	2 52.60	+ 3 44.9	2.400	3.176	12.6	21.3

450667 2006 UE_{266} 11 13.4 343°.04 0°.7/13.8 17

10 8	3 37.05	+24 19.7	1.571	2.400	16.5	21.1
10 18	3 33.84	+23 25.5	1.489	2.391	12.8	20.8
10 28	3 27.97	+22 13.0	1.428	2.384	8.5	20.5
11 7	3 20.24	+20 45.1	1.393	2.377	3.6	20.2
11 17	3 11.77	+19 7.7	1.384	2.371	1.8	20.1
11 27	3 3.90	+17 29.5	1.403	2.366	6.8	20.4
12 7	2 57.76	+15 59.8	1.448	2.361	11.4	20.7
12 17	2 54.15	+14 45.7	1.516	2.358	15.5	20.9

384397 2009 WB_{27} 11 13.4 242°.28 0°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.56	+20 31.8	1.783	2.599	15.4	21.7
10 18	3 39.39	+20 28.0	1.692	2.588	12.0	21.4
10 28	3 31.52	+20 14.7	1.624	2.577	7.9	21.2
11 7	3 21.68	+19 52.5	1.582	2.566	3.3	20.9
11 17	3 10.93	+19 23.4	1.568	2.554	1.7	20.7
11 27	3 0.59	+18 51.7	1.582	2.542	6.5	21.0
12 7	2 51.88	+18 22.6	1.623	2.530	10.9	21.3
12 17	2 45.69	+18 0.9	1.689	2.517	14.8	21.5

197108 2003 UP_{202} 11 13.4 49°.21 2°.4/11.6 18

10 8	3 38.34	+14 21.4	1.934	2.766	13.7	19.6
10 18	3 33.94	+13 24.3	1.879	2.786	10.3	19.5
10 28	3 27.56	+12 22.4	1.847	2.806	6.6	19.3
11 7	3 19.95	+11 19.9	1.843	2.826	3.1	19.1
11 17	3 12.00	+10 21.9	1.867	2.847	3.3	19.2
11 27	3 4.68	+ 9 33.4	1.920	2.868	6.7	19.4
12 7	2 58.78	+ 8 58.0	1.999	2.889	10.1	19.7
12 17	2 54.85	+ 8 37.5	2.103	2.910	13.1	19.9

212813 2007 TH_{392} 11 13.4 332°.05 1°.9/12.3 18

10 8	3 40.47	+15 25.4	1.711	2.545	15.1	20.9
10 18	3 36.11	+14 51.2	1.635	2.543	11.6	20.7
10 28	3 29.28	+14 10.2	1.581	2.540	7.4	20.5
11 7	3 20.74	+13 25.9	1.553	2.538	3.2	20.2
11 17	3 11.52	+12 42.8	1.553	2.536	3.0	20.2
11 27	3 2.83	+12 6.1	1.580	2.534	7.2	20.4
12 7	2 55.75	+11 40.3	1.634	2.533	11.4	20.7
12 17	2 50.99	+11 28.3	1.710	2.531	15.0	20.9

190972 2001 XD_{63} 11 13.4 17°.05 1°.3/14.1 18

10 8	3 39.68	+23 56.1	1.289	2.128	18.9	19.0
10 18	3 36.27	+23 28.8	1.224	2.132	14.7	18.7
10 28	3 29.70	+22 44.0	1.180	2.136	9.7	18.4
11 7	3 20.96	+21 43.7	1.158	2.142	4.3	18.2
11 17	3 11.43	+20 33.1	1.161	2.148	2.1	18.0
11 27	3 2.74	+19 20.6	1.190	2.155	7.4	18.4
12 7	2 56.22	+18 15.2	1.243	2.163	12.4	18.7
12 17	2 52.69	+17 23.8	1.318	2.171	16.7	19.0

207919 2008 VL_{66} 11 13.4 4°.09 5°.9/10.1 18

10 8	3 41.01	+ 5 34.5	1.635	2.475	15.5	19.8
10 18	3 36.47	+ 4 38.1	1.569	2.475	12.1	19.6
10 28	3 29.48	+ 3 43.6	1.525	2.475	8.6	19.4
11 7	3 20.81	+ 2 57.3	1.506	2.475	6.1	19.2
11 17	3 11.51	+ 2 25.0	1.513	2.475	6.8	19.3
11 27	3 2.79	+ 2 11.3	1.547	2.476	9.8	19.5
12 7	2 55.71	+ 2 18.1	1.606	2.476	13.3	19.7
12 17	2 50.97	+ 2 44.5	1.686	2.477	16.5	19.9

220077 2002 RK_{209} 11 13.4 127°.74 3°.4/15.1 18

10 8	3 48.08	+26 46.4	1.666	2.465	17.0	21.2
10 18	3 42.18	+27 7.6	1.594	2.475	13.5	21.0
10 28	3 33.31	+27 14.6	1.544	2.484	9.4	20.7
11 7	3 22.37	+27 5.8	1.518	2.493	5.2	20.5
11 17	3 10.64	+26 41.6	1.520	2.502	3.5	20.4
11 27	2 59.63	+26 6.3	1.551	2.510	6.7	20.7
12 7	2 50.63	+25 26.3	1.608	2.518	10.8	20.9
12 17	2 44.49	+24 48.5	1.689	2.525	14.4	21.2

409275 2004 RA_{102} 11 13.4 42°.07 1°.0/12.8 18

10 8	3 40.69	+16 46.3	1.721	2.552	15.2	20.8
10 18	3 36.05	+16 30.1	1.664	2.570	11.5	20.6
10 28	3 29.08	+16 7.7	1.630	2.589	7.3	20.4
11 7	3 20.61	+15 41.4	1.622	2.607	2.9	20.1
11 17	3 11.68	+15 14.8	1.641	2.627	2.1	20.1
11 27	3 3.43	+14 51.8	1.688	2.646	6.4	20.4
12 7	2 56.85	+14 36.3	1.762	2.667	10.3	20.7
12 17	2 52.54	+14 30.7	1.859	2.687	13.7	21.0

89342 2001 VX_{58} 11 13.4 151°.34 2°.1/14.8 18

10 8	3 44.92	+26 12.1	1.955	2.751	15.0	19.6
10 18	3 39.27	+25 54.8	1.877	2.758	11.7	19.4
10 28	3 31.19	+25 23.4	1.822	2.765	8.0	19.2
11 7	3 21.47	+24 38.3	1.793	2.772	4.0	18.9
11 17	3 11.18	+23 42.1	1.793	2.778	2.3	18.8
11 27	3 1.51	+22 40.0	1.823	2.784	5.7	19.1
12 7	2 53.50	+21 38.6	1.881	2.788	9.6	19.3
12 17	2 47.86	+20 43.6	1.964	2.793	13.0	19.6

518056 2015 XN_{220} 11 13.4 103°.58 1°.6/12.3 18

10 8	3 39.80	+14 28.4	2.215	3.037	12.6	21.6
10 18	3 34.99	+14 5.0	2.141	3.042	9.6	21.4
10 28	3 28.28	+13 37.6	2.091	3.047	6.1	21.2
11 7	3 20.30	+13 8.7	2.068	3.053	2.6	21.0
11 17	3 11.85	+12 41.2	2.075	3.058	2.5	21.0
11 27	3 3.84	+12 18.6	2.111	3.063	5.9	21.2
12 7	2 57.08	+12 3.8	2.174	3.068	9.2	21.4
12 17	2 52.16	+11 58.8	2.263	3.072	12.2	21.6

138504 2000 KW_{62} 11 13.4 224°.62 4°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.68	+ 7 9.0	1.959	2.783	13.9	20.4
10 18	3 38.27	+ 6 24.5	1.874	2.773	10.8	20.2
10 28	3 30.59	+ 5 40.1	1.813	2.763	7.5	19.9
11 7	3 21.28	+ 5 0.3	1.779	2.752	4.9	19.8
11 17	3 11.27	+ 4 29.8	1.773	2.740	5.4	19.8
11 27	3 1.66	+ 4 13.0	1.797	2.728	8.5	19.9
12 7	2 53.45	+ 4 12.3	1.846	2.715	11.9	20.1
12 17	2 47.36	+ 4 28.2	1.919	2.701	15.1	20.3

266545 2008 FO_{123} 11 13.4 143°.30 1°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.36	+22 28.9	1.681	2.492	16.4	20.7
10 18	3 41.55	+22 43.8	1.607	2.498	12.8	20.5
10 28	3 32.89	+22 48.3	1.555	2.504	8.5	20.2
11 7	3 22.23	+22 41.8	1.528	2.510	4.0	20.0
11 17	3 10.77	+22 25.3	1.529	2.515	2.2	19.9
11 27	2 59.94	+22 2.7	1.558	2.519	6.5	20.2
12 7	2 51.01	+21 39.2	1.615	2.524	10.8	20.4
12 17	2 44.80	+21 20.0	1.695	2.528	14.6	20.7

61119 2000 LJ_{36} 11 13.4 219°.14 2°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.47	+15 20.6	1.812	2.639	14.7	19.9
10 18	3 37.54	+14 31.9	1.730	2.634	11.3	19.7
10 28	3 30.18	+13 35.6	1.670	2.628	7.3	19.4
11 7	3 21.13	+12 35.4	1.637	2.621	3.2	19.2
11 17	3 11.39	+11 36.5	1.632	2.614	3.2	19.2
11 27	3 2.13	+10 44.8	1.657	2.607	7.3	19.4
12 7	2 54.42	+10 5.3	1.707	2.599	11.4	19.6
12 17	2 49.01	+ 9 41.3	1.781	2.591	15.0	19.9

13272 Ericadavid 11 13.4 153°.33 0°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.19	+21 12.0	1.842	2.653	15.2	19.2
10 18	3 39.52	+20 44.6	1.767	2.661	11.7	19.0
10 28	3 31.38	+20 6.1	1.715	2.668	7.6	18.7
11 7	3 21.57	+19 18.4	1.690	2.674	3.1	18.5
11 17	3 11.17	+18 25.0	1.693	2.680	1.6	18.4
11 27	3 1.41	+17 31.3	1.726	2.685	6.2	18.7
12 7	2 53.34	+16 43.3	1.787	2.690	10.3	19.0
12 17	2 47.67	+16 5.4	1.872	2.694	13.8	19.2

312412 2008 FK_{106} 11 13.4 147°.22 3°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.52	+10 34.8	2.190	3.017	12.5	21.2
10 18	3 34.77	+ 9 54.0	2.117	3.019	9.6	21.1
10 28	3 28.15	+ 9 11.3	2.068	3.022	6.3	20.9
11 7	3 20.26	+ 8 30.4	2.046	3.025	3.5	20.7
11 17	3 11.90	+ 7 55.0	2.053	3.027	3.9	20.7
11 27	3 3.99	+ 7 29.1	2.089	3.030	6.8	20.9
12 7	2 57.31	+ 7 15.2	2.152	3.032	10.0	21.1
12 17	2 52.45	+ 7 14.5	2.240	3.034	12.8	21.3

512453 2016 QE_{27} 11 13.4 82°.77 2°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.18	+27 9.5	1.517	2.327	17.9	20.9
10 18	3 40.02	+26 56.6	1.454	2.342	14.1	20.7
10 28	3 31.89	+26 26.1	1.411	2.356	9.6	20.4
11 7	3 21.79	+25 38.2	1.392	2.370	5.0	20.2
11 17	3 11.07	+24 36.2	1.400	2.384	2.9	20.1
11 27	3 1.24	+23 27.0	1.435	2.398	6.7	20.4
12 7	2 53.53	+22 19.1	1.497	2.412	11.1	20.7
12 17	2 48.69	+21 19.8	1.583	2.425	14.9	21.0

25074 Honami 11 13.4 137°.38 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.09	+20 47.3	1.804	2.617	15.3	18.9
10 18	3 39.41	+20 11.0	1.733	2.629	11.8	18.7
10 28	3 31.28	+19 23.5	1.686	2.640	7.6	18.5
11 7	3 21.52	+18 27.2	1.665	2.650	3.0	18.2
11 17	3 11.23	+17 26.3	1.673	2.659	1.7	18.2
11 27	3 1.64	+16 26.8	1.710	2.668	6.3	18.5
12 7	2 53.77	+15 34.7	1.775	2.677	10.4	18.7
12 17	2 48.31	+14 54.4	1.864	2.685	13.9	19.0

30092 2000 EB_{135} 11 13.4 156°.26 1°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.86	+15 35.2	1.853	2.674	14.7	19.5
10 18	3 39.21	+15 12.7	1.780	2.680	11.2	19.3
10 28	3 31.17	+14 44.4	1.730	2.686	7.2	19.1
11 7	3 21.50	+14 12.9	1.706	2.691	3.0	18.8
11 17	3 11.23	+13 41.7	1.711	2.695	2.5	18.8
11 27	3 1.53	+13 14.9	1.745	2.699	6.7	19.1
12 7	2 53.44	+12 56.5	1.807	2.703	10.6	19.3
12 17	2 47.66	+12 49.1	1.892	2.705	14.1	19.5

314289 2005 SN_{69} 11 13.4 2°.80 3°.7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.37	+26 26.6	1.753	2.558	16.1	20.4
10 18	3 38.64	+27 9.2	1.674	2.558	12.8	20.2
10 28	3 31.12	+27 40.2	1.617	2.558	9.1	20.0
11 7	3 21.59	+27 57.4	1.585	2.558	5.3	19.8
11 17	3 11.14	+28 0.0	1.579	2.559	3.8	19.7
11 27	3 1.19	+27 50.3	1.602	2.560	6.6	19.9
12 7	2 52.97	+27 33.1	1.651	2.562	10.4	20.1
12 17	2 47.37	+27 14.2	1.723	2.565	13.9	20.3

452296 2015 TS_{239} 11 13.4 28°.37 3°.1/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.74	+18 21.6	1.590	2.428	15.9	20.2
10 18	3 34.72	+16 10.0	1.525	2.436	12.0	20.0
10 28	3 28.29	+13 43.6	1.484	2.445	7.6	19.7
11 7	3 20.33	+11 11.2	1.470	2.454	3.7	19.5
11 17	3 11.94	+ 8 44.0	1.486	2.464	4.4	19.6
11 27	3 4.30	+ 6 33.4	1.531	2.474	8.5	19.9
12 7	2 58.38	+ 4 47.5	1.603	2.485	12.6	20.1
12 17	2 54.79	+ 3 30.0	1.697	2.497	16.0	20.4

441113 2007 TO_{34} 11 13.4 23°.42 0°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.41	+19 51.6	1.346	2.187	18.1	20.5
10 18	3 37.41	+19 58.3	1.287	2.196	13.9	20.3
10 28	3 30.38	+19 55.0	1.247	2.206	9.1	20.0
11 7	3 21.26	+19 42.8	1.232	2.217	3.7	19.7
11 17	3 11.40	+19 24.3	1.241	2.228	1.9	19.6
11 27	3 2.33	+19 4.1	1.277	2.241	7.2	20.0
12 7	2 55.35	+18 47.8	1.337	2.254	11.9	20.3
12 17	2 51.26	+18 39.5	1.420	2.268	16.0	20.6

296877 2010 AR_{19} 11 13.4 276°.74 4°.2/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.71	+ 9 56.4	1.633	2.471	15.5	20.8
10 18	3 37.21	+ 9 12.3	1.554	2.462	12.0	20.5
10 28	3 30.12	+ 8 25.7	1.497	2.453	8.1	20.3
11 7	3 21.17	+ 7 41.5	1.465	2.444	4.7	20.1
11 17	3 11.42	+ 7 5.4	1.460	2.435	5.1	20.1
11 27	3 2.14	+ 6 42.5	1.483	2.425	8.8	20.3
12 7	2 54.50	+ 6 36.2	1.530	2.416	12.9	20.5
12 17	2 49.30	+ 6 47.7	1.600	2.407	16.5	20.7

139227 2001 HC_{7} 11 13.4 97°.27 2°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.67	+14 24.5	2.025	2.846	13.6	20.7
10 18	3 37.14	+13 43.3	1.967	2.868	10.3	20.5
10 28	3 29.61	+12 57.7	1.934	2.890	6.6	20.3
11 7	3 20.81	+12 10.9	1.927	2.911	2.9	20.1
11 17	3 11.68	+11 27.2	1.950	2.931	2.9	20.2
11 27	3 3.19	+10 50.7	2.003	2.952	6.4	20.4
12 7	2 56.17	+10 24.8	2.083	2.971	9.8	20.7
12 17	2 51.18	+10 11.3	2.187	2.991	12.7	20.9

482613 2013 AY_{21} 11 13.4 347°.49 1°.9/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.25	+23 33.9	1.237	2.084	19.0	20.9
10 18	3 34.80	+23 32.1	1.163	2.073	15.0	20.6
10 28	3 29.07	+23 14.4	1.107	2.064	10.1	20.3
11 7	3 20.88	+22 41.0	1.073	2.056	4.7	20.0
11 17	3 11.59	+21 54.9	1.063	2.050	2.5	19.9
11 27	3 2.93	+21 3.0	1.078	2.045	7.7	20.2
12 7	2 56.40	+20 13.7	1.116	2.041	13.0	20.4
12 17	2 53.01	+19 34.5	1.175	2.038	17.6	20.7

490865 2011 AE_{65} 11 13.4 285°.09 0°.4/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.49	+20 33.6	2.216	3.029	12.9	22.5
10 18	3 35.02	+20 22.3	2.123	3.017	10.0	22.3
10 28	3 28.49	+20 2.8	2.053	3.005	6.5	22.0
11 7	3 20.49	+19 36.1	2.009	2.993	2.7	21.8
11 17	3 11.84	+19 4.3	1.995	2.982	1.4	21.7
11 27	3 3.51	+18 31.1	2.010	2.970	5.3	21.9
12 7	2 56.41	+18 0.5	2.053	2.958	9.0	22.1
12 17	2 51.23	+17 36.4	2.120	2.946	12.3	22.3

523429 2017 EJ_{24} 11 13.4 357°.80 0°.8/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.87	+13 59.4	2.331	3.142	12.4	20.9
10 18	3 38.13	+14 23.7	2.247	3.142	9.5	20.7
10 28	3 30.38	+14 46.6	2.188	3.142	6.1	20.5
11 7	3 21.22	+15 8.6	2.157	3.141	2.5	20.2
11 17	3 11.45	+15 30.5	2.156	3.141	1.8	20.2
11 27	3 2.02	+15 53.4	2.186	3.141	5.4	20.4
12 7	2 53.81	+16 18.7	2.245	3.141	8.8	20.6
12 17	2 47.47	+16 47.8	2.329	3.142	11.8	20.8

494474 2016 WL_{13} 11 13.4 80°.26 1°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.07	+24 57.0	1.658	2.468	16.6	20.7
10 18	3 39.54	+24 35.1	1.600	2.490	12.9	20.6
10 28	3 31.40	+23 58.6	1.564	2.512	8.6	20.4
11 7	3 21.58	+23 8.9	1.553	2.534	4.0	20.1
11 17	3 11.32	+22 9.8	1.570	2.556	2.1	20.1
11 27	3 1.93	+21 7.5	1.615	2.577	6.2	20.4
12 7	2 54.48	+20 9.0	1.688	2.599	10.3	20.7
12 17	2 49.62	+19 19.9	1.785	2.619	13.8	20.9

268185 2004 XC_{147} 11 13.4 2°.42 9°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.83	+38 55.0	1.293	2.089	21.2	19.1
10 18	3 34.15	+39 58.3	1.227	2.086	18.2	18.9
10 28	3 28.85	+40 34.8	1.178	2.086	14.8	18.7
11 7	3 20.84	+40 38.6	1.148	2.087	11.7	18.5
11 17	3 11.67	+40 7.1	1.140	2.091	10.0	18.4
11 27	3 3.28	+39 4.3	1.154	2.097	10.7	18.5
12 7	2 57.34	+37 40.6	1.191	2.106	13.3	18.7
12 17	2 54.87	+36 8.5	1.249	2.116	16.5	18.9

171615 2000 BE_9 11 13.4 244°.24 1°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.07	+14 46.4	1.858	2.687	14.3	20.7
10 18	3 36.40	+14 15.6	1.781	2.686	10.9	20.5
10 28	3 29.44	+13 39.2	1.727	2.684	7.0	20.3
11 7	3 20.88	+13 0.5	1.699	2.683	3.1	20.0
11 17	3 11.69	+12 23.3	1.699	2.682	2.9	20.0
11 27	3 3.00	+11 52.2	1.728	2.680	6.8	20.2
12 7	2 55.78	+11 31.3	1.783	2.679	10.8	20.5
12 17	2 50.76	+11 22.8	1.862	2.677	14.2	20.7

5601 1991 VR 11 13.4 26°.96 3°.0/14.5 18

10 8	3 45.25	+23 13.4	1.081	1.925	21.3	16.3
10 18	3 41.23	+23 47.6	1.023	1.931	16.7	16.1
10 28	3 33.32	+24 7.6	0.983	1.938	11.4	15.8
11 7	3 22.59	+24 11.6	0.965	1.946	5.7	15.5
11 17	3 10.75	+24 0.0	0.970	1.955	3.4	15.4
11 27	2 59.90	+23 37.9	0.999	1.964	8.4	15.7
12 7	2 51.77	+23 13.3	1.051	1.974	13.7	16.1
12 17	2 47.36	+22 53.7	1.124	1.985	18.3	16.4

305274 2007 YW_{52} 11 13.4 331°.32 2°.4/12.2 18

10 8	3 38.99	+13 49.3	1.519	2.365	16.1	20.2
10 18	3 35.44	+13 25.7	1.438	2.351	12.4	20.0
10 28	3 29.16	+12 57.0	1.378	2.339	8.1	19.7
11 7	3 20.87	+12 26.6	1.342	2.327	3.6	19.4
11 17	3 11.68	+11 58.8	1.332	2.315	3.5	19.4
11 27	3 2.93	+11 38.9	1.349	2.305	8.0	19.6
12 7	2 55.87	+11 31.0	1.391	2.295	12.6	19.9
12 17	2 51.37	+11 37.5	1.454	2.286	16.6	20.1

452532 2004 TV_{152} 11 13.4 25°.72 2°.2/11.9 16

10 8	3 37.62	+15 26.0	1.667	2.508	15.2	21.3
10 18	3 33.86	+14 35.2	1.606	2.518	11.5	21.1
10 28	3 27.79	+13 37.6	1.568	2.528	7.3	20.9
11 7	3 20.20	+12 37.6	1.555	2.539	3.2	20.7
11 17	3 12.12	+11 40.8	1.569	2.551	3.3	20.7
11 27	3 4.68	+10 53.1	1.611	2.564	7.2	21.0
12 7	2 58.83	+10 18.7	1.678	2.577	11.1	21.3
12 17	2 55.20	+10 0.1	1.769	2.591	14.5	21.5

506080 2015 VH_{121} 11 13.4 37°.58 3°.3/11.2 18

10 8	3 38.36	+13 52.6	1.590	2.434	15.6	20.0
10 18	3 34.36	+12 38.2	1.540	2.453	11.8	19.8
10 28	3 28.04	+11 18.1	1.513	2.473	7.6	19.6
11 7	3 20.27	+ 9 58.6	1.511	2.494	3.9	19.4
11 17	3 12.12	+ 8 46.6	1.537	2.515	4.3	19.5
11 27	3 4.73	+ 7 48.5	1.590	2.536	8.0	19.8
12 7	2 59.02	+ 7 8.4	1.669	2.559	11.7	20.1
12 17	2 55.56	+ 6 47.9	1.769	2.581	15.0	20.3

210625 2000 EC_{94} 11 13.4 213°.05 2°.4/11.9 18

10 8	3 42.57	+11 26.0	2.306	3.123	12.3	21.1
10 18	3 37.15	+11 7.4	2.219	3.117	9.4	20.9
10 28	3 29.76	+10 47.0	2.156	3.110	6.2	20.7
11 7	3 21.00	+10 27.4	2.122	3.103	3.1	20.5
11 17	3 11.66	+10 11.2	2.117	3.095	3.1	20.5
11 27	3 2.66	+10 1.5	2.142	3.087	6.3	20.7
12 7	2 54.85	+10 0.5	2.195	3.079	9.6	20.9
12 17	2 48.88	+10 9.6	2.273	3.070	12.5	21.1

98302 2000 SX_{237} 11 13.4 69°.82 3°.1/12.3 18

10 8	3 51.57	+11 38.5	1.236	2.074	19.6	18.0
10 18	3 44.79	+11 28.4	1.198	2.106	14.8	17.8
10 28	3 34.84	+11 16.9	1.180	2.138	9.5	17.6
11 7	3 22.95	+11 7.3	1.186	2.169	4.4	17.4
11 17	3 10.69	+11 3.2	1.218	2.200	4.1	17.5
11 27	2 59.72	+11 8.0	1.278	2.231	8.7	17.9
12 7	2 51.28	+11 24.0	1.362	2.261	13.2	18.2
12 17	2 46.01	+11 51.6	1.468	2.291	16.9	18.5

85834 1998 XM_{74} 11 13.4 256°.80 1°.4/12.7 18

10 8	3 43.60	+15 57.6	1.747	2.573	15.2	19.0
10 18	3 38.70	+15 37.4	1.656	2.559	11.7	18.8
10 28	3 31.16	+15 10.6	1.589	2.546	7.6	18.5
11 7	3 21.67	+14 39.4	1.547	2.532	3.1	18.2
11 17	3 11.28	+14 7.3	1.532	2.517	2.6	18.1
11 27	3 1.28	+13 39.0	1.547	2.503	7.1	18.4
12 7	2 52.85	+13 19.1	1.588	2.488	11.6	18.6
12 17	2 46.87	+13 11.0	1.652	2.472	15.4	18.8

75735 2000 AZ_{139} 11 13.4 3°.07 8°.2/10.2 18

10 8	3 34.79	+ 5 54.1	0.901	1.787	21.0	17.6
10 18	3 33.26	+ 4 47.6	0.852	1.784	16.5	17.3
10 28	3 28.16	+ 3 44.4	0.821	1.783	11.8	17.0
11 7	3 20.54	+ 2 55.3	0.809	1.784	8.5	16.9
11 17	3 11.97	+ 2 29.7	0.819	1.788	9.3	16.9
11 27	3 4.31	+ 2 34.2	0.849	1.793	13.3	17.2
12 7	2 59.08	+ 3 9.0	0.898	1.800	17.9	17.5
12 17	2 57.17	+ 4 10.2	0.964	1.810	22.0	17.8

371227 2006 BJ_{59} 11 13.4 211°.11 5°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 37.81	+ 1 1.7	2.811	3.625	10.4	21.9
10 18	3 33.14	+ 0 7.3	2.733	3.619	8.3	21.8
10 28	3 26.99	− 0 43.5	2.680	3.613	6.3	21.6
11 7	3 19.86	− 1 26.7	2.656	3.606	5.2	21.5
11 17	3 12.34	− 1 58.7	2.661	3.599	5.7	21.6
11 27	3 5.11	− 2 16.5	2.694	3.592	7.5	21.7
12 7	2 58.79	− 2 19.0	2.754	3.584	9.7	21.8
12 17	2 53.86	− 2 6.2	2.838	3.576	11.7	21.9

408540 2013 JT_{54} 11 13.4 157°.31 1°.8/12.1 18

10 8	3 39.68	+14 17.9	2.303	3.123	12.2	22.0
10 18	3 34.88	+13 46.1	2.225	3.126	9.3	21.8
10 28	3 28.25	+13 10.0	2.172	3.128	6.0	21.6
11 7	3 20.38	+12 32.5	2.147	3.131	2.7	21.4
11 17	3 12.06	+11 56.7	2.151	3.133	2.6	21.4
11 27	3 4.14	+11 26.4	2.185	3.135	5.8	21.6
12 7	2 57.42	+11 4.6	2.247	3.137	9.1	21.9
12 17	2 52.47	+10 53.4	2.333	3.138	12.0	22.0

55991 1998 SL_{78} 11 13.4 137°.49 4°.9/17.6 18

10 8	3 44.37	+36 24.0	2.798	3.532	12.4	20.1
10 18	3 38.45	+36 47.1	2.717	3.544	10.3	20.0
10 28	3 30.55	+36 56.0	2.659	3.555	8.0	19.8
11 7	3 21.31	+36 48.8	2.626	3.565	5.9	19.7
11 17	3 11.56	+36 25.3	2.622	3.575	4.9	19.7
11 27	3 2.26	+35 47.7	2.647	3.585	5.7	19.7
12 7	2 54.25	+35 0.4	2.701	3.594	7.7	19.9
12 17	2 48.16	+34 8.5	2.782	3.603	9.8	20.0

394495 2007 TN_{170} 11 13.4 348°.60 2°.1/11.7 18

10 8	3 39.24	+19 42.7	1.656	2.488	15.7	20.0
10 18	3 35.23	+17 57.0	1.578	2.486	11.9	19.8
10 28	3 28.76	+15 55.1	1.524	2.483	7.6	19.5
11 7	3 20.65	+13 43.4	1.496	2.482	3.2	19.3
11 17	3 11.95	+11 31.4	1.498	2.480	3.4	19.3
11 27	3 3.89	+ 9 29.6	1.529	2.479	7.8	19.5
12 7	2 57.51	+ 7 46.9	1.586	2.478	12.1	19.8
12 17	2 53.46	+ 6 28.3	1.667	2.478	15.8	20.0

88530 2001 QK_{180} 11 13.4 67°.95 1°.1/13.9 18

10 8	3 47.29	+21 25.4	1.425	2.249	18.1	19.9
10 18	3 41.61	+21 29.7	1.372	2.272	14.0	19.7
10 28	3 32.92	+21 22.6	1.341	2.295	9.1	19.5
11 7	3 22.28	+21 4.7	1.334	2.317	3.9	19.2
11 17	3 11.08	+20 38.6	1.353	2.340	2.0	19.1
11 27	3 0.86	+20 9.4	1.401	2.363	6.9	19.5
12 7	2 52.86	+19 43.1	1.473	2.386	11.4	19.8
12 17	2 47.79	+19 24.4	1.569	2.408	15.2	20.1

120809 1998 HU_7 11 13.4 182°.63 1°.4/14.3 18

10 8	3 45.03	+22 56.4	2.247	3.042	13.3	20.5
10 18	3 39.18	+22 59.1	2.160	3.043	10.3	20.4
10 28	3 31.15	+22 52.6	2.098	3.043	6.9	20.1
11 7	3 21.59	+22 36.9	2.062	3.043	3.2	19.9
11 17	3 11.40	+22 13.4	2.056	3.042	1.8	19.8
11 27	3 1.64	+21 45.2	2.081	3.040	5.2	20.0
12 7	2 53.24	+21 16.4	2.134	3.038	8.8	20.3
12 17	2 46.91	+20 51.3	2.213	3.035	12.0	20.5

226688 2004 JF_{15} 11 13.4 128°.01 0°.5/13.1 18

10 8	3 45.90	+17 56.6	1.816	2.633	15.1	21.1
10 18	3 40.06	+17 42.7	1.748	2.646	11.6	20.9
10 28	3 31.76	+17 21.4	1.703	2.658	7.4	20.7
11 7	3 21.82	+16 54.6	1.684	2.669	2.9	20.5
11 17	3 11.31	+16 25.1	1.694	2.680	1.9	20.4
11 27	3 1.46	+15 57.3	1.733	2.690	6.3	20.7
12 7	2 53.31	+15 35.4	1.799	2.700	10.4	21.0
12 17	2 47.55	+15 22.7	1.890	2.710	13.8	21.2

167856 2005 ED_9 11 13.4 139°.64 1°.5/14.5 18

10 8	3 44.19	+24 14.0	2.268	3.061	13.2	21.4
10 18	3 38.40	+24 6.7	2.192	3.073	10.3	21.2
10 28	3 30.55	+23 49.0	2.140	3.084	6.9	21.0
11 7	3 21.31	+23 21.3	2.115	3.095	3.3	20.8
11 17	3 11.60	+22 45.4	2.120	3.105	1.8	20.7
11 27	3 2.41	+22 5.2	2.155	3.115	5.1	21.0
12 7	2 54.62	+21 25.1	2.219	3.124	8.5	21.2
12 17	2 48.86	+20 49.6	2.309	3.132	11.5	21.4

2279 Barto 11 13.4 216°.50 1°.6/12.4 18

10 8	3 43.31	+15 26.2	1.989	2.809	13.9	17.5
10 18	3 38.06	+14 56.4	1.903	2.802	10.6	17.3
10 28	3 30.52	+14 20.5	1.839	2.795	6.9	17.0
11 7	3 21.37	+13 41.2	1.803	2.787	2.9	16.8
11 17	3 11.54	+13 2.1	1.796	2.779	2.6	16.7
11 27	3 2.11	+12 27.6	1.818	2.770	6.6	17.0
12 7	2 54.11	+12 2.1	1.868	2.761	10.5	17.2
12 17	2 48.25	+11 48.2	1.941	2.751	13.9	17.4

252056 2000 SL_{36} 11 13.4 63°.30 1°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.68	+21 40.1	1.838	2.645	15.3	20.4
10 18	3 40.45	+21 52.9	1.788	2.678	11.8	20.2
10 28	3 31.87	+21 56.3	1.762	2.711	7.7	20.0
11 7	3 21.80	+21 50.6	1.761	2.743	3.4	19.9
11 17	3 11.37	+21 37.5	1.790	2.776	1.8	19.8
11 27	3 1.76	+21 20.3	1.847	2.808	5.7	20.1
12 7	2 53.93	+21 3.5	1.933	2.840	9.4	20.4
12 17	2 48.50	+20 50.8	2.043	2.871	12.6	20.7

367433 2008 SN_{51} 11 13.4 148°.77 0°.3/13.7 18

10 8	3 39.03	+20 54.1	2.736	3.538	11.0	21.8
10 18	3 34.16	+20 33.6	2.655	3.544	8.4	21.6
10 28	3 27.69	+20 5.8	2.599	3.549	5.5	21.5
11 7	3 20.16	+19 32.1	2.571	3.555	2.2	21.3
11 17	3 12.25	+18 54.6	2.573	3.560	1.2	21.2
11 27	3 4.70	+18 16.6	2.606	3.565	4.4	21.4
12 7	2 58.20	+17 41.3	2.669	3.570	7.4	21.6
12 17	2 53.25	+17 11.8	2.757	3.574	10.0	21.8

465886 2010 TB_{162} 11 13.4 38°.43 6°.0/10.7 16

10 8	3 41.24	+10 29.5	0.997	1.867	20.7	20.0
10 18	3 37.62	+ 9 7.7	0.959	1.884	15.8	19.7
10 28	3 30.59	+ 7 43.4	0.939	1.902	10.6	19.5
11 7	3 21.39	+ 6 26.6	0.942	1.921	6.5	19.4
11 17	3 11.64	+ 5 27.0	0.967	1.941	7.2	19.5
11 27	3 3.08	+ 4 52.1	1.016	1.961	11.5	19.8
12 7	2 57.02	+ 4 44.5	1.086	1.982	16.0	20.1
12 17	2 54.14	+ 5 2.4	1.174	2.004	19.8	20.5

261738 2006 AD_{90} 11 13.4 81°.99 2°.7/11.9 18

10 8	3 41.64	+10 36.7	2.099	2.923	13.1	20.6
10 18	3 36.52	+10 24.0	2.026	2.928	10.0	20.4
10 28	3 29.39	+10 10.7	1.978	2.932	6.6	20.2
11 7	3 20.88	+ 9 59.3	1.956	2.937	3.3	20.0
11 17	3 11.85	+ 9 52.5	1.963	2.941	3.4	20.0
11 27	3 3.27	+ 9 53.0	1.999	2.946	6.6	20.2
12 7	2 56.02	+10 2.6	2.063	2.951	9.9	20.5
12 17	2 50.71	+10 22.2	2.151	2.955	12.9	20.7

215819 2004 XW_{34} 11 13.4 252°.26 1°.8/12.7 17

10 8	3 45.61	+15 5.9	1.466	2.301	17.2	20.8
10 18	3 40.67	+14 51.8	1.385	2.292	13.3	20.6
10 28	3 32.65	+14 31.6	1.325	2.283	8.6	20.3
11 7	3 22.35	+14 8.0	1.289	2.274	3.6	20.0
11 17	3 11.01	+13 44.6	1.280	2.265	3.0	19.9
11 27	3 0.18	+13 26.3	1.299	2.256	8.1	20.2
12 7	2 51.28	+13 17.7	1.342	2.246	13.0	20.5
12 17	2 45.27	+13 21.9	1.408	2.236	17.2	20.7

489487 2007 GV_{38} 11 13.4 153°.75 0°.9/14.0 18

10 8	3 41.89	+21 20.5	2.525	3.324	11.9	21.9
10 18	3 36.53	+21 28.0	2.443	3.329	9.2	21.8
10 28	3 29.33	+21 28.7	2.385	3.332	6.1	21.6
11 7	3 20.86	+21 22.7	2.354	3.336	2.7	21.4
11 17	3 11.88	+21 11.3	2.353	3.340	1.4	21.3
11 27	3 3.27	+20 56.7	2.383	3.343	4.7	21.5
12 7	2 55.81	+20 42.0	2.442	3.346	7.9	21.7
12 17	2 50.11	+20 30.3	2.527	3.348	10.7	21.9

517110 2013 FE_{20} 11 13.4 164°.05 1°.2/12.6 18

10 8	3 40.77	+15 43.2	2.499	3.311	11.6	22.5
10 18	3 35.58	+15 18.9	2.420	3.316	8.8	22.3
10 28	3 28.66	+14 49.9	2.365	3.320	5.6	22.1
11 7	3 20.57	+14 18.4	2.339	3.324	2.3	21.9
11 17	3 12.05	+13 46.9	2.343	3.327	2.0	21.9
11 27	3 3.91	+13 18.9	2.377	3.329	5.2	22.1
12 7	2 56.91	+12 57.2	2.440	3.332	8.4	22.3
12 17	2 51.59	+12 44.0	2.528	3.334	11.2	22.5

438475 2007 EJ_{113} 11 13.4 185°.06 0°.8/12.9 18

10 8	3 44.68	+17 24.1	1.933	2.749	14.4	22.1
10 18	3 39.14	+17 4.6	1.852	2.749	11.0	21.9
10 28	3 31.22	+16 38.0	1.794	2.749	7.1	21.7
11 7	3 21.66	+16 6.3	1.763	2.748	2.8	21.4
11 17	3 11.43	+15 32.4	1.761	2.747	2.0	21.4
11 27	3 1.70	+15 0.8	1.788	2.745	6.3	21.6
12 7	2 53.50	+14 35.6	1.844	2.742	10.3	21.9
12 17	2 47.55	+14 20.3	1.923	2.739	13.8	22.1

479329 2013 TP_{84} 11 13.4 299°.96 0°.2/13.4 18

10 8	3 40.99	+21 2.5	1.358	2.197	18.1	21.1
10 18	3 37.54	+20 29.0	1.268	2.178	14.1	20.8
10 28	3 30.86	+19 39.7	1.199	2.158	9.3	20.5
11 7	3 21.71	+18 36.6	1.154	2.139	3.7	20.1
11 17	3 11.35	+17 24.7	1.134	2.121	2.2	20.0
11 27	3 1.45	+16 12.4	1.140	2.102	8.1	20.3
12 7	2 53.53	+15 8.8	1.170	2.084	13.5	20.5
12 17	2 48.65	+14 21.1	1.221	2.066	18.3	20.8

308861 2006 SV_4 11 13.4 45°.45 2°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.58	+14 22.3	1.609	2.450	15.6	20.3
10 18	3 35.38	+13 18.7	1.552	2.463	11.8	20.1
10 28	3 28.79	+12 8.8	1.517	2.477	7.6	19.9
11 7	3 20.65	+10 57.9	1.508	2.491	3.7	19.7
11 17	3 12.05	+ 9 52.5	1.526	2.505	4.0	19.8
11 27	3 4.16	+ 8 58.9	1.571	2.520	7.8	20.0
12 7	2 57.95	+ 8 21.6	1.642	2.535	11.7	20.3
12 17	2 54.07	+ 8 2.4	1.736	2.551	15.1	20.6

33930 2000 LQ_{27} 11 13.4 146°.42 2°.1/12.1 18

10 8	3 44.10	+14 5.8	1.960	2.781	14.0	19.6
10 18	3 38.50	+13 32.3	1.889	2.790	10.7	19.4
10 28	3 30.69	+12 54.0	1.842	2.798	6.9	19.2
11 7	3 21.41	+12 14.2	1.822	2.806	3.1	19.0
11 17	3 11.61	+11 36.8	1.832	2.813	3.0	19.0
11 27	3 2.38	+11 6.1	1.870	2.820	6.7	19.2
12 7	2 54.66	+10 45.5	1.936	2.826	10.4	19.5
12 17	2 49.08	+10 37.3	2.026	2.832	13.6	19.7

317581 2002 WX_{14} 11 13.4 348°.55 4°.7/11.1 18

10 8	3 34.47	+12 46.4	1.022	1.900	19.7	19.7
10 18	3 32.94	+11 44.4	0.958	1.888	15.2	19.4
10 28	3 28.01	+10 33.9	0.912	1.878	10.1	19.1
11 7	3 20.57	+ 9 22.6	0.887	1.870	5.4	18.8
11 17	3 12.04	+ 8 20.3	0.884	1.863	6.1	18.9
11 27	3 4.21	+ 7 36.8	0.904	1.859	11.1	19.1
12 7	2 58.63	+ 7 18.1	0.945	1.855	16.3	19.4
12 17	2 56.25	+ 7 25.7	1.003	1.854	20.9	19.7

78449 2002 RU_{23} 11 13.4 36°.16 3°.1/15.1 18

10 8	3 43.03	+26 5.2	1.559	2.374	17.3	19.4
10 18	3 38.49	+26 21.6	1.493	2.383	13.6	19.1
10 28	3 31.07	+26 23.6	1.448	2.393	9.4	18.9
11 7	3 21.65	+26 10.2	1.426	2.403	5.1	18.7
11 17	3 11.48	+25 42.9	1.431	2.414	3.3	18.6
11 27	3 2.04	+25 6.2	1.463	2.426	6.6	18.9
12 7	2 54.57	+24 26.6	1.521	2.437	10.8	19.1
12 17	2 49.86	+23 50.8	1.603	2.450	14.5	19.4

291736 2006 JR_{49} 11 13.4 60°.42 1°.2/13.9 18

10 8	3 50.29	+19 39.4	1.570	2.386	17.2	19.7
10 18	3 43.60	+20 16.3	1.522	2.416	13.2	19.5
10 28	3 34.09	+20 45.4	1.495	2.446	8.6	19.3
11 7	3 22.76	+21 5.6	1.494	2.477	3.7	19.1
11 17	3 10.93	+21 17.3	1.521	2.507	2.0	19.0
11 27	3 0.05	+21 23.3	1.576	2.537	6.4	19.4
12 7	2 51.29	+21 27.4	1.659	2.567	10.6	19.7
12 17	2 45.35	+21 33.7	1.766	2.597	14.1	20.0

129052 Nimeshdave 11 13.4 97°.61 6°.3/17.6 18

10 8	3 46.04	+36 52.7	2.325	3.066	14.4	19.7
10 18	3 40.31	+37 43.5	2.245	3.073	12.1	19.5
10 28	3 32.07	+38 18.7	2.186	3.080	9.6	19.4
11 7	3 22.05	+38 34.9	2.152	3.086	7.3	19.2
11 17	3 11.25	+38 30.5	2.145	3.093	6.3	19.2
11 27	3 0.89	+38 7.1	2.167	3.100	7.1	19.3
12 7	2 52.10	+37 29.5	2.215	3.106	9.2	19.4
12 17	2 45.65	+36 44.3	2.289	3.112	11.6	19.6

430411 1995 UV_{74} 11 13.4 149°.82 3°.2/11.4 16

10 8	3 44.73	+12 3.4	1.868	2.692	14.5	22.1
10 18	3 39.03	+11 11.7	1.800	2.702	11.0	21.9
10 28	3 31.05	+10 16.2	1.756	2.711	7.2	21.7
11 7	3 21.56	+ 9 21.3	1.738	2.719	3.8	21.5
11 17	3 11.57	+ 8 31.9	1.750	2.726	4.1	21.6
11 27	3 2.19	+ 7 53.2	1.790	2.733	7.6	21.8
12 7	2 54.39	+ 7 28.6	1.858	2.739	11.2	22.0
12 17	2 48.81	+ 7 19.8	1.949	2.744	14.4	22.3

188972 2008 EW_{11} 11 13.4 112°.27 2°.5/15.1 18

10 8	3 45.20	+26 0.8	2.433	3.215	12.8	20.6
10 18	3 39.10	+26 22.1	2.361	3.232	10.0	20.5
10 28	3 30.99	+26 33.6	2.313	3.250	6.9	20.3
11 7	3 21.53	+26 34.4	2.292	3.266	3.8	20.1
11 17	3 11.59	+26 25.1	2.301	3.282	2.6	20.1
11 27	3 2.14	+26 8.0	2.341	3.298	4.9	20.3
12 7	2 54.04	+25 46.9	2.410	3.314	8.0	20.5
12 17	2 47.89	+25 25.8	2.505	3.329	10.7	20.7

276210 2002 QU_{83} 11 13.4 4°.58 5°.1/15.9 18

10 8	3 40.20	+29 26.2	1.122	1.957	21.4	20.4
10 18	3 37.51	+29 45.1	1.057	1.955	17.2	20.1
10 28	3 31.04	+29 41.3	1.010	1.956	12.4	19.8
11 7	3 21.80	+29 12.3	0.983	1.957	7.5	19.6
11 17	3 11.42	+28 19.4	0.979	1.960	5.2	19.4
11 27	3 1.93	+27 10.1	0.998	1.963	8.5	19.6
12 7	2 55.02	+25 55.8	1.041	1.968	13.4	19.9
12 17	2 51.68	+24 47.4	1.104	1.974	17.9	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308122 2004 XT_{88}		11 13.4 355°.34 10°.2/11.0 18				
	h m	° ′			°	m
10 8	3 41.35	− 3 10.7	1.113	1.969	20.1	18.8
10 18	3 37.87	− 3 30.0	1.054	1.961	16.5	18.6
10 28	3 31.02	− 3 32.0	1.013	1.955	12.9	18.3
11 7	3 21.75	− 3 8.4	0.993	1.950	10.5	18.2
11 17	3 11.46	− 2 14.2	0.994	1.948	10.8	18.2
11 27	3 1.92	− 0 49.0	1.019	1.947	13.7	18.4
12 7	2 54.61	+ 1 2.4	1.065	1.948	17.4	18.6
12 17	2 50.49	+ 3 12.4	1.130	1.951	21.1	18.8
367596 2009 SO_{316}		11 13.4 1°.55 5°.1/ 9.7 18				
10 8	3 37.56	+ 6 23.0	2.018	2.853	13.1	20.4
10 18	3 33.49	+ 5 14.4	1.949	2.853	10.2	20.2
10 28	3 27.48	+ 4 6.0	1.903	2.853	7.2	20.0
11 7	3 20.16	+ 3 3.5	1.885	2.853	5.2	19.9
11 17	3 12.36	+ 2 12.4	1.894	2.853	5.9	19.9
11 27	3 5.00	+ 1 37.2	1.931	2.853	8.5	20.1
12 7	2 58.91	+ 1 20.5	1.993	2.854	11.5	20.3
12 17	2 54.69	+ 1 22.6	2.078	2.855	14.2	20.5
303108 2004 BQ_{137}		11 13.4 298°.09 1°.4/12.7 13 C				
10 8	3 41.27	+15 38.3	1.776	2.606	14.8	21.9
10 18	3 36.86	+15 21.9	1.690	2.595	11.4	21.6
10 28	3 29.95	+14 59.8	1.626	2.584	7.4	21.4
11 7	3 21.25	+14 34.1	1.588	2.573	3.0	21.1
11 17	3 11.73	+14 8.3	1.578	2.563	2.5	21.0
11 27	3 2.61	+13 46.4	1.596	2.552	6.9	21.3
12 7	2 55.00	+13 32.6	1.640	2.542	11.1	21.5
12 17	2 49.71	+13 29.8	1.707	2.532	14.8	21.7
441765 2009 CJ_{50}		11 13.4 329°.01 7°.0/16.8 16				
10 8	3 42.31	+33 18.0	1.480	2.277	18.9	21.1
10 18	3 38.79	+34 7.6	1.394	2.263	15.7	20.9
10 28	3 31.83	+34 38.5	1.326	2.250	12.1	20.6
11 7	3 22.18	+34 45.7	1.280	2.237	8.7	20.4
11 17	3 11.18	+34 26.4	1.258	2.225	7.0	20.3
11 27	3 0.62	+33 43.3	1.261	2.214	8.8	20.3
12 7	2 52.20	+32 44.5	1.289	2.203	12.5	20.5
12 17	2 47.05	+31 39.9	1.338	2.194	16.3	20.7
229124 2004 RV_{157}		11 13.4 125°.72 2°.2/14.8 18				
10 8	3 44.59	+26 2.9	1.792	2.594	15.9	20.7
10 18	3 39.31	+25 51.1	1.718	2.603	12.5	20.5
10 28	3 31.43	+25 24.8	1.666	2.610	8.5	20.3
11 7	3 21.78	+24 44.2	1.639	2.618	4.3	20.0
11 17	3 11.50	+23 51.9	1.641	2.625	2.4	19.9
11 27	3 1.88	+22 53.3	1.671	2.632	6.0	20.2
12 7	2 54.04	+21 55.1	1.728	2.639	10.1	20.4
12 17	2 48.71	+21 3.6	1.810	2.646	13.6	20.7
52878 1998 SU_{45}		11 13.4 101°.75 2°.4/12.1 18				
10 8	3 44.43	+14 46.8	1.575	2.408	16.3	19.9
10 18	3 39.18	+14 4.3	1.514	2.421	12.4	19.7
10 28	3 31.32	+13 15.4	1.475	2.433	8.0	19.4
11 7	3 21.72	+12 24.5	1.462	2.446	3.5	19.2
11 17	3 11.57	+11 36.7	1.476	2.458	3.4	19.2
11 27	3 2.18	+10 57.7	1.518	2.470	7.7	19.5
12 7	2 54.64	+10 31.9	1.586	2.481	11.9	19.8
12 17	2 49.66	+10 21.6	1.676	2.493	15.4	20.1
259199 2003 AE_{46}		11 13.4 294°.85 4°.6/16.3 18				
10 8	3 42.47	+31 28.2	1.929	2.712	15.6	20.5
10 18	3 37.92	+31 44.2	1.838	2.704	12.7	20.3
10 28	3 30.72	+31 43.9	1.768	2.695	9.4	20.1
11 7	3 21.58	+31 25.4	1.722	2.686	6.1	19.9
11 17	3 11.58	+30 48.6	1.704	2.677	4.6	19.8
11 27	3 2.01	+29 57.1	1.713	2.669	6.6	19.9
12 7	2 54.08	+28 57.4	1.749	2.660	10.0	20.1
12 17	2 48.63	+27 56.9	1.810	2.652	13.4	20.3
496220 2011 WW_{58}		11 13.4 354°.30 1°.0/12.9 17				
10 8	3 38.48	+18 29.6	1.563	2.402	16.1	21.6
10 18	3 34.93	+17 52.7	1.488	2.398	12.3	21.4
10 28	3 28.77	+17 5.3	1.436	2.395	7.9	21.1
11 7	3 20.78	+16 10.7	1.407	2.393	3.1	20.9
11 17	3 12.06	+15 13.9	1.406	2.392	2.3	20.8
11 27	3 3.91	+14 21.4	1.432	2.391	7.1	21.1
12 7	2 57.46	+13 39.1	1.483	2.391	11.6	21.4
12 17	2 53.49	+13 11.3	1.556	2.392	15.5	21.6
92250 2000 AJ_{186}		11 13.4 40°.36 5°.3/ 9.8 18				
10 8	3 38.22	+ 5 24.6	1.997	2.831	13.3	18.6
10 18	3 33.97	+ 4 22.6	1.933	2.836	10.3	18.5
10 28	3 27.77	+ 3 22.4	1.894	2.841	7.4	18.3
11 7	3 20.28	+ 2 29.4	1.880	2.847	5.4	18.2
11 17	3 12.35	+ 1 48.6	1.895	2.853	6.0	18.2
11 27	3 4.90	+ 1 24.1	1.937	2.858	8.6	18.4
12 7	2 58.76	+ 1 17.7	2.004	2.865	11.5	18.6
12 17	2 54.51	+ 1 29.3	2.094	2.871	14.1	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
172078 2002 BL_{16}		11 13.4 234°.74 3°.3/15.2 18				
	h m	° ′			°	m
10 8	3 46.16	+27 28.3	1.553	2.359	17.7	20.5
10 18	3 41.22	+27 29.6	1.467	2.352	14.2	20.3
10 28	3 33.08	+27 13.7	1.401	2.344	9.9	20.0
11 7	3 22.59	+26 39.3	1.360	2.336	5.5	19.8
11 17	3 11.03	+25 47.6	1.345	2.328	3.4	19.6
11 27	3 0.05	+24 44.2	1.357	2.319	7.1	19.8
12 7	2 51.10	+23 37.7	1.396	2.310	11.7	20.1
12 17	2 45.16	+22 36.8	1.458	2.301	15.9	20.3
510863 2013 CO_{91}		11 13.4 66°.02 6°.1/ 9.9 18				
10 8	3 41.02	+ 4 2.7	1.765	2.600	14.7	20.6
10 18	3 36.24	+ 3 5.2	1.711	2.612	11.5	20.5
10 28	3 29.26	+ 2 11.6	1.680	2.625	8.3	20.3
11 7	3 20.87	+ 1 27.9	1.674	2.638	6.2	20.2
11 17	3 12.04	+ 0 59.1	1.695	2.651	6.8	20.3
11 27	3 3.85	+ 0 48.9	1.743	2.665	9.4	20.5
12 7	2 57.20	+ 0 58.2	1.817	2.678	12.5	20.7
12 17	2 52.70	+ 1 25.9	1.912	2.691	15.2	20.9
242488 2004 VJ_{24}		11 13.4 323°.47 0°.4/13.7 18				
10 8	3 40.76	+21 51.0	1.573	2.402	16.5	20.0
10 18	3 36.78	+21 22.4	1.493	2.396	12.8	19.7
10 28	3 30.03	+20 40.3	1.434	2.390	8.4	19.5
11 7	3 21.31	+19 46.6	1.400	2.385	3.5	19.2
11 17	3 11.77	+18 45.4	1.393	2.380	1.8	19.0
11 27	3 2.79	+17 43.4	1.413	2.375	6.8	19.3
12 7	2 55.59	+16 47.8	1.458	2.370	11.5	19.6
12 17	2 51.01	+16 4.4	1.527	2.366	15.5	19.8
240160 2002 PO_{9}		11 13.4 79°.68 0°.2/13.4 18				
10 8	3 42.16	+20 10.8	1.776	2.597	15.2	20.2
10 18	3 37.30	+19 41.9	1.709	2.608	11.6	20.0
10 28	3 30.05	+19 2.9	1.665	2.620	7.5	19.7
11 7	3 21.22	+18 16.1	1.646	2.631	3.0	19.5
11 17	3 11.86	+17 25.5	1.656	2.642	1.7	19.4
11 27	3 3.15	+16 36.5	1.694	2.654	6.2	19.7
12 7	2 56.09	+15 54.4	1.759	2.665	10.3	20.0
12 17	2 51.36	+15 23.2	1.848	2.676	13.7	20.3
167815 2005 CQ_{5}		11 13.4 328°.77 0°.8/13.8 18				
10 8	3 42.09	+20 22.0	1.564	2.394	16.6	20.0
10 18	3 37.89	+20 27.0	1.483	2.386	12.9	19.7
10 28	3 30.83	+20 22.5	1.423	2.379	8.5	19.4
11 7	3 21.67	+20 9.0	1.388	2.372	3.6	19.1
11 17	3 11.56	+19 48.6	1.379	2.366	1.8	19.0
11 27	3 1.93	+19 25.3	1.397	2.360	6.8	19.3
12 7	2 54.10	+19 4.5	1.441	2.354	11.5	19.6
12 17	2 48.96	+18 50.9	1.507	2.349	15.6	19.8
47892 2000 GT_{5}		11 13.4 252°.85 1°.1/12.6 18				
10 8	3 38.15	+16 29.6	2.534	3.350	11.4	19.3
10 18	3 33.72	+15 57.9	2.443	3.341	8.7	19.2
10 28	3 27.57	+15 20.4	2.376	3.331	5.6	18.9
11 7	3 20.23	+14 39.5	2.337	3.322	2.3	18.7
11 17	3 12.39	+13 58.1	2.328	3.312	1.9	18.7
11 27	3 4.85	+13 19.7	2.349	3.302	5.2	18.9
12 7	2 58.36	+12 47.9	2.398	3.292	8.4	19.1
12 17	2 53.46	+12 25.3	2.473	3.282	11.3	19.2
443091 2013 HT_{1}		11 13.4 226°.82 2°.0/12.3 18				
10 8	3 42.66	+12 26.3	2.209	3.027	12.7	21.1
10 18	3 37.37	+12 19.7	2.123	3.022	9.8	20.9
10 28	3 30.02	+12 11.3	2.062	3.016	6.3	20.7
11 7	3 21.24	+12 3.0	2.028	3.011	2.9	20.4
11 17	3 11.83	+11 57.0	2.023	3.005	2.7	20.4
11 27	3 2.78	+11 56.1	2.049	2.999	6.1	20.6
12 7	2 54.97	+12 2.3	2.102	2.993	9.6	20.8
12 17	2 49.07	+12 17.1	2.180	2.986	12.7	21.0
127163 2002 GH_{144}		11 13.4 195°.48 5°.3/10.8 18				
10 8	3 43.48	+ 4 54.6	1.807	2.636	14.7	19.5
10 18	3 38.27	+ 4 20.9	1.736	2.636	11.5	19.3
10 28	3 30.70	+ 3 50.4	1.687	2.635	8.1	19.1
11 7	3 21.52	+ 3 28.0	1.664	2.634	5.6	19.0
11 17	3 11.71	+ 3 17.9	1.669	2.633	6.0	19.0
11 27	3 2.41	+ 3 23.4	1.702	2.632	8.9	19.2
12 7	2 54.63	+ 3 45.5	1.760	2.631	12.3	19.4
12 17	2 49.08	+ 4 23.5	1.841	2.629	15.4	19.6
318224 2004 RM_{214}		11 13.4 32°.68 7°.2/18.7 17				
10 8	3 43.17	+38 46.9	1.892	2.645	16.9	20.3
10 18	3 38.57	+39 17.0	1.819	2.653	14.3	20.1
10 28	3 31.14	+39 25.8	1.766	2.662	11.4	20.0
11 7	3 21.74	+39 10.0	1.735	2.671	8.7	19.8
11 17	3 11.61	+38 29.1	1.730	2.681	7.2	19.8
11 27	3 2.16	+37 26.7	1.751	2.690	8.0	19.8
12 7	2 54.63	+36 10.5	1.799	2.701	10.3	20.0
12 17	2 49.80	+34 49.4	1.871	2.712	13.0	20.2

45521 2000 BP_{39} 11 13.5 107°.49 0°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.71	+17 27.5	2.430	3.243	11.9	19.6
10 18	3 34.85	+17 6.3	2.357	3.253	9.0	19.4
10 28	3 28.24	+16 39.5	2.308	3.262	5.8	19.2
11 7	3 20.48	+16 9.0	2.287	3.272	2.3	19.0
11 17	3 12.32	+15 37.3	2.296	3.281	1.6	19.0
11 27	3 4.58	+15 7.8	2.334	3.291	5.0	19.3
12 7	2 58.01	+14 43.6	2.402	3.300	8.3	19.5
12 17	2 53.13	+14 27.2	2.495	3.309	11.0	19.7

363316 2002 NX_{80} 11 13.5 110°.72 5°.7/ 8.6 18

10 8	3 38.47	− 0 15.9	2.670	3.484	10.9	21.4
10 18	3 33.59	− 1 20.6	2.618	3.502	8.7	21.3
10 28	3 27.27	− 2 20.0	2.591	3.519	6.8	21.2
11 7	3 20.06	− 3 9.6	2.592	3.536	5.7	21.2
11 17	3 12.57	− 3 45.7	2.622	3.552	6.3	21.2
11 27	3 5.51	− 4 5.6	2.680	3.569	7.9	21.4
12 7	2 59.47	− 4 8.8	2.764	3.584	9.9	21.5
12 17	2 54.89	− 3 55.9	2.871	3.600	11.8	21.7

484598 2008 RP_{138} 11 13.5 165°.95 4°.2/16.5 17

10 8	3 42.92	+31 57.8	2.524	3.287	12.9	21.4
10 18	3 37.61	+32 25.5	2.437	3.288	10.5	21.2
10 28	3 30.21	+32 40.7	2.372	3.289	7.8	21.0
11 7	3 21.34	+32 41.6	2.333	3.290	5.3	20.9
11 17	3 11.83	+32 27.9	2.324	3.291	4.2	20.8
11 27	3 2.69	+32 1.8	2.343	3.292	5.6	20.9
12 7	2 54.83	+31 27.2	2.391	3.293	8.1	21.0
12 17	2 48.92	+30 49.2	2.465	3.293	10.7	21.2

490495 2009 UN_{15} 11 13.5 314°.21 2°.9/14.9 17

10 8	3 43.50	+25 7.4	2.055	2.854	14.3	21.6
10 18	3 38.51	+25 45.8	1.963	2.844	11.3	21.4
10 28	3 31.06	+26 15.3	1.893	2.834	7.9	21.2
11 7	3 21.77	+26 34.1	1.849	2.824	4.5	21.0
11 17	3 11.58	+26 41.6	1.834	2.815	3.1	20.9
11 27	3 1.68	+26 39.3	1.847	2.806	5.9	21.0
12 7	2 53.19	+26 30.8	1.889	2.797	9.5	21.2
12 17	2 46.96	+26 20.7	1.954	2.789	12.8	21.4

317731 2003 RO_{1} 11 13.5 90°.85 2°.3/12.6 18

10 8	3 49.65	+12 48.2	1.399	2.232	18.0	20.3
10 18	3 43.44	+12 45.4	1.344	2.250	13.7	20.1
10 28	3 34.19	+12 39.9	1.310	2.268	8.8	19.9
11 7	3 22.93	+12 34.5	1.301	2.285	3.9	19.6
11 17	3 11.04	+12 31.9	1.319	2.303	3.4	19.6
11 27	3 0.08	+12 35.6	1.365	2.320	8.0	20.0
12 7	2 51.33	+12 48.4	1.436	2.336	12.5	20.3
12 17	2 45.54	+13 11.6	1.529	2.353	16.3	20.6

516474 2005 TF_{31} 11 13.5 103°.21 1°.2/12.6 18

10 8	3 40.59	+16 15.5	2.071	2.892	13.3	22.1
10 18	3 35.84	+15 48.7	1.996	2.897	10.2	21.9
10 28	3 29.04	+15 16.0	1.945	2.902	6.5	21.7
11 7	3 20.85	+14 40.1	1.921	2.906	2.7	21.4
11 17	3 12.15	+14 4.1	1.926	2.911	2.2	21.4
11 27	3 3.92	+13 32.1	1.960	2.915	6.0	21.7
12 7	2 57.05	+13 7.8	2.022	2.919	9.6	21.9
12 17	2 52.14	+12 53.9	2.108	2.924	12.7	22.1

142004 2002 PE_{161} 11 13.5 304°.39 3°.5/11.9 18

10 8	3 42.14	+12 20.3	1.337	2.186	17.7	19.6
10 18	3 38.33	+11 48.9	1.255	2.170	13.7	19.3
10 28	3 31.36	+11 12.6	1.193	2.154	9.1	19.0
11 7	3 22.00	+10 36.1	1.155	2.138	4.5	18.7
11 17	3 11.47	+10 4.7	1.142	2.123	4.6	18.6
11 27	3 1.39	+ 9 44.7	1.155	2.108	9.4	18.9
12 7	2 53.24	+ 9 40.8	1.191	2.093	14.4	19.1
12 17	2 48.06	+ 9 54.9	1.247	2.079	18.8	19.3

386668 2009 UL_{118} 11 13.5 343°.58 1°.4/12.8 18

10 8	3 37.11	+17 44.2	1.108	1.972	19.6	20.8
10 18	3 34.96	+17 16.6	1.037	1.960	15.1	20.5
10 28	3 29.38	+16 36.9	0.984	1.949	9.8	20.2
11 7	3 21.23	+15 48.7	0.953	1.939	3.9	19.8
11 17	3 11.91	+14 58.0	0.945	1.931	3.0	19.7
11 27	3 3.23	+14 13.1	0.961	1.924	9.0	20.0
12 7	2 56.78	+13 41.5	0.999	1.919	14.6	20.3
12 17	2 53.58	+13 28.0	1.056	1.915	19.4	20.6

477540 2010 EQ_{171} 11 13.5 339°.98 6°.7/10.8 18

10 8	3 39.92	+ 5 12.1	1.252	2.110	18.1	19.8
10 18	3 36.61	+ 4 36.1	1.182	2.098	14.3	19.6
10 28	3 30.20	+ 4 4.0	1.131	2.086	10.2	19.3
11 7	3 21.50	+ 3 42.9	1.103	2.076	7.0	19.1
11 17	3 11.77	+ 3 38.9	1.098	2.067	7.5	19.1
11 27	3 2.59	+ 3 56.6	1.118	2.059	11.3	19.3
12 7	2 55.39	+ 4 36.8	1.160	2.052	15.6	19.5
12 17	2 51.11	+ 5 37.6	1.222	2.046	19.6	19.8

154222 2002 JG_{73} 11 13.5 88°.77 4°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.12	+ 3 43.5	2.375	3.193	12.0	19.5
10 18	3 35.76	+ 3 12.2	2.320	3.212	9.3	19.4
10 28	3 28.74	+ 2 44.8	2.289	3.232	6.6	19.2
11 7	3 20.67	+ 2 24.9	2.286	3.251	4.8	19.2
11 17	3 12.30	+ 2 15.2	2.312	3.270	5.1	19.2
11 27	3 4.42	+ 2 18.1	2.367	3.288	7.3	19.4
12 7	2 57.74	+ 2 34.1	2.449	3.307	9.8	19.6
12 17	2 52.74	+ 3 2.6	2.556	3.325	12.1	19.8

386920 2011 KB_{4} 11 13.5 118°.49 7°.3/ 9.0 18

10 8	3 44.44	− 2 7.2	2.088	2.899	13.6	21.5
10 18	3 38.42	− 3 10.0	2.040	2.919	11.0	21.4
10 28	3 30.49	− 4 4.4	2.016	2.939	8.6	21.3
11 7	3 21.37	− 4 44.8	2.018	2.958	7.4	21.2
11 17	3 11.94	− 5 6.8	2.049	2.977	7.9	21.3
11 27	3 3.13	− 5 8.0	2.107	2.995	9.8	21.4
12 7	2 55.75	− 4 48.6	2.190	3.012	12.1	21.6
12 17	2 50.33	− 4 10.9	2.295	3.028	14.3	21.8

94889 2001 YK 11 13.5 49°.98 1°.8/14.1 18

10 8	3 47.96	+21 39.0	1.063	1.908	21.6	18.9
10 18	3 43.06	+21 58.3	1.017	1.927	16.7	18.7
10 28	3 34.35	+22 4.0	0.989	1.947	11.0	18.4
11 7	3 23.07	+21 55.9	0.983	1.967	4.9	18.1
11 17	3 11.03	+21 36.1	1.001	1.988	2.5	18.1
11 27	3 0.24	+21 10.7	1.044	2.009	8.1	18.5
12 7	2 52.26	+20 47.4	1.110	2.031	13.4	18.8
12 17	2 47.92	+20 32.0	1.197	2.053	17.8	19.2

445176 2009 BR_{70} 11 13.5 253°.87 3°.7/11.4 18

10 8	3 42.56	+ 9 9.2	1.969	2.795	13.8	21.7
10 18	3 37.57	+ 8 38.8	1.881	2.783	10.6	21.5
10 28	3 30.32	+ 8 7.4	1.817	2.770	7.2	21.2
11 7	3 21.45	+ 7 39.0	1.779	2.756	4.2	21.0
11 17	3 11.83	+ 7 17.4	1.769	2.743	4.5	21.0
11 27	3 2.57	+ 7 6.4	1.788	2.729	7.7	21.2
12 7	2 54.64	+ 7 8.6	1.834	2.715	11.3	21.4
12 17	2 48.82	+ 7 25.0	1.903	2.701	14.6	21.6

149490 2003 EB_{47} 11 13.5 194°.27 1°.9/15.2 18

10 8	3 41.56	+27 21.6	3.058	3.830	10.6	21.1
10 18	3 36.09	+27 8.8	2.961	3.827	8.4	21.0
10 28	3 29.00	+26 45.8	2.889	3.823	5.8	20.8
11 7	3 20.82	+26 12.9	2.845	3.819	3.2	20.6
11 17	3 12.21	+25 31.5	2.832	3.814	2.0	20.5
11 27	3 3.91	+24 44.2	2.850	3.808	4.1	20.7
12 7	2 56.62	+23 54.9	2.899	3.802	6.8	20.8
12 17	2 50.85	+23 7.6	2.975	3.795	9.3	21.0

212272 2005 JV_{143} 11 13.5 249°.54 2°.1/12.2 18

10 8	3 41.41	+13 59.0	1.944	2.771	13.9	21.6
10 18	3 36.69	+13 31.1	1.862	2.766	10.6	21.3
10 28	3 29.73	+12 58.5	1.804	2.760	6.9	21.1
11 7	3 21.20	+12 24.3	1.771	2.755	3.1	20.9
11 17	3 12.01	+11 52.0	1.767	2.749	3.0	20.8
11 27	3 3.25	+11 26.0	1.792	2.743	6.7	21.1
12 7	2 55.88	+11 9.8	1.844	2.738	10.6	21.3
12 17	2 50.61	+11 5.6	1.919	2.732	13.9	21.5

322101 2010 VC_{142} 11 13.5 167°.63 2°.8/12.1 18

10 8	3 45.52	+13 17.7	1.555	2.388	16.5	21.1
10 18	3 40.25	+12 42.8	1.484	2.390	12.6	20.9
10 28	3 32.20	+12 2.9	1.435	2.392	8.2	20.7
11 7	3 22.21	+11 22.1	1.411	2.394	3.9	20.4
11 17	3 11.48	+10 45.1	1.414	2.395	3.8	20.4
11 27	3 1.39	+10 17.3	1.446	2.397	8.1	20.7
12 7	2 53.16	+10 2.9	1.503	2.397	12.5	20.9
12 17	2 47.58	+10 3.9	1.582	2.397	16.3	21.2

24043 1999 SD_{13} 11 13.5 231°.30 7°.0/ 8.7 18

10 8	3 41.57	+ 0 18.1	2.072	2.893	13.4	18.9
10 18	3 36.61	− 0 49.7	1.995	2.884	10.8	18.7
10 28	3 29.60	− 1 53.0	1.941	2.873	8.3	18.5
11 7	3 21.15	− 2 45.5	1.914	2.863	7.0	18.4
11 17	3 12.10	− 3 21.9	1.914	2.851	7.7	18.4
11 27	3 3.42	− 3 37.8	1.941	2.840	10.0	18.6
12 7	2 56.02	− 3 32.1	1.994	2.828	12.7	18.7
12 17	2 50.54	− 3 5.6	2.068	2.815	15.3	18.9

257379 2009 RP_{55} 11 13.5 296°.24 1°.5/12.5 18

10 8	3 39.13	+15 14.1	2.196	3.019	12.6	20.7
10 18	3 34.72	+14 48.2	2.113	3.014	9.6	20.5
10 28	3 28.36	+14 17.4	2.053	3.010	6.2	20.2
11 7	3 20.64	+13 44.0	2.020	3.005	2.6	20.0
11 17	3 12.37	+13 11.3	2.017	3.000	2.3	20.0
11 27	3 4.47	+12 43.0	2.042	2.996	5.9	20.2
12 7	2 57.78	+12 22.5	2.096	2.991	9.4	20.4
12 17	2 52.93	+12 12.1	2.173	2.987	12.5	20.6

360501 2003 BW_{14} 11 13.5 268°.31 6°.8/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 40.38	+ 0 3.9	2.131	2.953	13.0	21.1
10 18	3 35.73	− 0 53.4	2.047	2.936	10.5	20.9
10 28	3 29.05	− 1 46.0	1.987	2.919	8.2	20.7
11 7	3 20.95	− 2 28.0	1.953	2.903	6.8	20.6
11 17	3 12.20	− 2 54.5	1.946	2.885	7.5	20.6
11 27	3 3.77	− 3 1.6	1.967	2.868	9.7	20.7
12 7	2 56.53	− 2 48.1	2.013	2.850	12.4	20.8
12 17	2 51.14	− 2 14.8	2.080	2.833	15.0	21.0

446712 2015 OH_{38} 11 13.5 101°.35 0°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.43	+18 59.6	1.977	2.791	14.1	21.6
10 18	3 37.99	+18 30.6	1.913	2.809	10.8	21.4
10 28	3 30.39	+17 53.6	1.873	2.827	6.9	21.2
11 7	3 21.41	+17 10.7	1.859	2.844	2.7	21.0
11 17	3 12.01	+16 25.5	1.875	2.861	1.7	21.0
11 27	3 3.24	+15 42.7	1.921	2.878	5.8	21.3
12 7	2 56.00	+15 6.7	1.994	2.894	9.5	21.5
12 17	2 50.90	+14 40.8	2.091	2.910	12.7	21.8

130295 2000 EF_{60} 11 13.5 142°.81 0°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.19	+20 31.3	3.208	4.002	9.7	21.7
10 18	3 34.08	+20 16.0	3.129	4.014	7.4	21.5
10 28	3 27.62	+19 54.7	3.076	4.025	4.8	21.4
11 7	3 20.27	+19 28.6	3.052	4.036	2.0	21.2
11 17	3 12.61	+18 59.4	3.059	4.046	1.0	21.1
11 27	3 5.28	+18 29.5	3.097	4.056	3.8	21.4
12 7	2 58.84	+18 1.6	3.166	4.065	6.4	21.5
12 17	2 53.74	+17 38.1	3.262	4.074	8.7	21.7

518603 2007 XP_{60} 11 13.5 129°.40 2°.5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.00	+26 11.7	1.974	2.773	14.7	21.8
10 18	3 38.04	+26 16.1	1.893	2.775	11.6	21.6
10 28	3 30.66	+26 8.0	1.835	2.777	8.0	21.4
11 7	3 21.61	+25 47.0	1.802	2.778	4.3	21.2
11 17	3 11.87	+25 14.3	1.797	2.780	2.7	21.1
11 27	3 2.63	+24 33.8	1.821	2.782	5.7	21.3
12 7	2 54.94	+23 50.9	1.873	2.784	9.4	21.5
12 17	2 49.55	+23 11.3	1.949	2.785	12.8	21.7

184600 2005 QN_{154} 11 13.5 108°.80 1°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.89	+14 50.3	1.698	2.517	15.9	20.3
10 18	3 42.48	+14 52.7	1.636	2.534	12.1	20.1
10 28	3 33.46	+14 51.0	1.596	2.551	7.8	19.9
11 7	3 22.68	+14 46.9	1.583	2.568	3.2	19.7
11 17	3 11.33	+14 42.4	1.599	2.584	2.3	19.6
11 27	3 0.73	+14 40.7	1.644	2.600	6.8	20.0
12 7	2 51.97	+14 44.8	1.715	2.615	10.9	20.2
12 17	2 45.79	+14 56.9	1.811	2.629	14.4	20.5

218222 2002 VF_{32} 11 13.5 45°.20 0°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.15	+16 16.1	1.202	2.046	19.6	19.3
10 18	3 42.04	+16 33.7	1.152	2.063	15.0	19.1
10 28	3 33.55	+16 45.3	1.121	2.081	9.6	18.9
11 7	3 22.79	+16 52.1	1.114	2.099	3.8	18.6
11 17	3 11.29	+16 55.8	1.131	2.118	2.3	18.6
11 27	3 0.83	+17 0.1	1.175	2.138	7.9	19.0
12 7	2 52.80	+17 9.0	1.243	2.157	12.9	19.3
12 17	2 48.02	+17 25.4	1.333	2.178	17.0	19.6

475422 2006 KP_{95} 11 13.5 273°.40 3°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.06	+11 53.8	1.800	2.633	14.6	21.7
10 18	3 36.69	+11 2.4	1.711	2.617	11.2	21.5
10 28	3 29.91	+10 5.8	1.644	2.601	7.4	21.2
11 7	3 21.36	+ 9 8.6	1.604	2.585	4.0	21.0
11 17	3 12.01	+ 8 16.3	1.592	2.568	4.4	20.9
11 27	3 3.02	+ 7 34.7	1.607	2.551	8.1	21.1
12 7	2 55.47	+ 7 8.3	1.649	2.534	12.1	21.3
12 17	2 50.17	+ 6 59.2	1.713	2.517	15.7	21.5

124904 2001 TV_{53} 11 13.5 33°.82 2°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.15	+13 39.3	1.209	2.064	18.9	19.1
10 18	3 38.13	+13 8.7	1.158	2.076	14.4	18.9
10 28	3 30.99	+12 33.0	1.127	2.089	9.3	18.7
11 7	3 21.76	+11 57.1	1.119	2.103	4.2	18.4
11 17	3 11.86	+11 26.4	1.135	2.118	4.0	18.5
11 27	3 2.90	+11 6.6	1.177	2.133	8.8	18.8
12 7	2 56.15	+11 1.6	1.243	2.150	13.5	19.1
12 17	2 52.36	+11 12.6	1.329	2.167	17.5	19.4

488435 2016 XM_{22} 11 13.5 8°.30 8°.7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 31.93	+ 7 15.7	0.987	1.872	19.6	19.1
10 18	3 30.77	+ 5 11.1	0.943	1.874	15.3	18.9
10 28	3 26.45	+ 3 5.6	0.918	1.878	11.1	18.7
11 7	3 20.00	+ 1 13.0	0.915	1.885	8.8	18.6
11 17	3 12.82	− 0 13.4	0.933	1.894	10.1	18.7
11 27	3 6.52	− 1 4.3	0.973	1.904	13.8	18.9
12 7	3 2.35	− 1 17.7	1.033	1.917	17.8	19.2
12 17	3 1.04	− 0 56.6	1.110	1.932	21.3	19.5

266870 2009 UY_{154} 11 13.5 239°.75 0°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.66	+21 22.2	1.586	2.409	16.6	20.6
10 18	3 39.02	+20 59.7	1.506	2.406	12.9	20.4
10 28	3 31.54	+20 24.7	1.447	2.402	8.5	20.1
11 7	3 22.03	+19 38.7	1.414	2.398	3.5	19.8
11 17	3 11.68	+18 45.5	1.407	2.395	1.8	19.7
11 27	3 1.90	+17 51.1	1.429	2.391	6.9	20.0
12 7	2 53.97	+17 2.5	1.476	2.386	11.5	20.2
12 17	2 48.71	+16 25.1	1.547	2.382	15.6	20.5

465265 2007 TL_{59} 11 13.5 80°.74 3°.1/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.11	+14 14.5	1.261	2.106	18.9	21.2
10 18	3 41.01	+13 27.7	1.208	2.121	14.4	21.0
10 28	3 32.77	+12 34.4	1.176	2.136	9.2	20.7
11 7	3 22.45	+11 39.8	1.167	2.151	4.3	20.5
11 17	3 11.52	+10 50.6	1.185	2.166	4.2	20.5
11 27	3 1.58	+10 13.4	1.228	2.181	8.9	20.8
12 7	2 53.92	+ 9 52.9	1.296	2.196	13.6	21.2
12 17	2 49.28	+ 9 50.9	1.384	2.211	17.6	21.4

485004 2009 VN_{71} 11 13.5 145°.88 2°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.46	+ 9 33.0	2.718	3.529	10.8	21.0
10 18	3 36.00	+ 9 24.8	2.642	3.536	8.2	20.8
10 28	3 28.96	+ 9 16.8	2.592	3.543	5.4	20.7
11 7	3 20.86	+ 9 10.9	2.570	3.549	2.9	20.5
11 17	3 12.36	+ 9 9.2	2.578	3.555	3.0	20.5
11 27	3 4.20	+ 9 13.4	2.618	3.560	5.5	20.7
12 7	2 57.07	+ 9 25.0	2.686	3.565	8.2	20.9
12 17	2 51.47	+ 9 44.5	2.780	3.570	10.7	21.1

22433 1996 GC_{2} 11 13.5 180°.53 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.78	+18 54.2	3.008	3.808	10.2	19.4
10 18	3 34.69	+18 37.3	2.920	3.809	7.8	19.3
10 28	3 28.10	+18 14.8	2.858	3.809	5.0	19.1
11 7	3 20.52	+17 48.0	2.825	3.810	2.0	18.9
11 17	3 12.55	+17 18.8	2.823	3.809	1.1	18.8
11 27	3 4.87	+16 49.8	2.851	3.808	4.2	19.1
12 7	2 58.12	+16 23.8	2.910	3.807	7.0	19.2
12 17	2 52.79	+16 3.3	2.996	3.805	9.5	19.4

268823 2006 VT_{111} 11 13.5 308°.93 1°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.41	+21 4.3	1.421	2.247	18.1	20.3
10 18	3 41.65	+21 34.1	1.341	2.241	14.2	20.0
10 28	3 33.56	+21 55.1	1.282	2.235	9.5	19.7
11 7	3 22.97	+22 6.0	1.246	2.229	4.4	19.4
11 17	3 11.18	+22 6.8	1.237	2.223	2.4	19.3
11 27	2 59.90	+22 0.6	1.254	2.217	7.4	19.6
12 7	2 50.69	+21 52.5	1.297	2.212	12.4	19.8
12 17	2 44.60	+21 48.0	1.362	2.207	16.7	20.1

392004 2008 YJ_{136} 11 13.5 13°.75 11°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.16	−11 30.7	1.720	2.519	16.6	20.4
10 18	3 40.37	−12 16.2	1.663	2.519	14.3	20.2
10 28	3 32.10	−12 43.4	1.627	2.520	12.4	20.1
11 7	3 22.18	−12 45.0	1.614	2.520	11.4	20.0
11 17	3 11.69	−12 16.5	1.625	2.521	11.8	20.1
11 27	3 1.86	−11 16.8	1.661	2.522	13.5	20.2
12 7	2 53.73	− 9 49.4	1.720	2.523	15.7	20.3
12 17	2 48.01	− 8 0.2	1.799	2.525	18.0	20.5

85371 1996 EV_{8} 11 13.5 125°.98 1°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.09	+16 26.2	1.721	2.545	15.5	20.8
10 18	3 39.66	+16 2.5	1.653	2.554	11.9	20.5
10 28	3 31.70	+15 32.1	1.607	2.563	7.6	20.3
11 7	3 22.04	+14 57.5	1.587	2.572	3.1	20.1
11 17	3 11.76	+14 22.5	1.595	2.580	2.4	20.0
11 27	3 2.14	+13 51.9	1.632	2.588	6.8	20.3
12 7	2 54.24	+13 29.8	1.696	2.596	11.0	20.6
12 17	2 48.78	+13 19.4	1.783	2.603	14.5	20.8

243941 2001 PT_{35} 11 13.5 55°.89 9°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.67	− 0 1.5	1.612	2.449	15.8	19.9
10 18	3 35.98	− 2 13.1	1.581	2.476	12.7	19.8
10 28	3 29.09	− 4 15.7	1.574	2.504	10.1	19.7
11 7	3 20.89	− 5 59.3	1.592	2.532	9.0	19.7
11 17	3 12.43	− 7 16.1	1.637	2.560	10.0	19.9
11 27	3 4.79	− 8 1.9	1.707	2.588	12.1	20.1
12 7	2 58.81	− 8 16.8	1.799	2.616	14.6	20.3
12 17	2 55.03	− 8 4.2	1.911	2.644	16.8	20.5

185754 1999 RU_{233} 11 13.5 63°.18 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.90	+19 19.1	2.024	2.836	14.0	19.7
10 18	3 38.52	+19 37.4	1.952	2.845	10.7	19.5
10 28	3 30.89	+19 49.6	1.903	2.855	7.0	19.3
11 7	3 21.71	+19 55.7	1.880	2.864	3.0	19.1
11 17	3 11.93	+19 56.7	1.887	2.874	1.5	19.0
11 27	3 2.65	+19 54.9	1.923	2.884	5.5	19.3
12 7	2 54.83	+19 53.6	1.987	2.893	9.2	19.5
12 17	2 49.16	+19 55.7	2.076	2.903	12.5	19.7

203201 2001 DQ_{32} 11 13.5 324°.90 0°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.89	+18 41.8	1.532	2.366	16.6	20.0
10 18	3 37.85	+18 42.0	1.449	2.355	12.9	19.7
10 28	3 30.93	+18 34.0	1.388	2.346	8.4	19.4
11 7	3 21.87	+18 18.8	1.351	2.337	3.4	19.1
11 17	3 11.82	+17 58.9	1.341	2.328	1.9	19.0
11 27	3 2.23	+17 38.5	1.357	2.319	7.1	19.3
12 7	2 54.42	+17 22.6	1.399	2.312	11.8	19.6
12 17	2 49.31	+17 15.5	1.463	2.304	16.0	19.8

316022 2009 FF_{36} 11 13.5 295°.34 3°.3/11.9 18

10 8	3 43.80	+13 15.2	1.288	2.136	18.3	21.3
10 18	3 39.61	+12 37.5	1.216	2.130	14.1	21.1
10 28	3 32.18	+11 53.5	1.163	2.124	9.3	20.8
11 7	3 22.38	+11 8.3	1.134	2.118	4.5	20.5
11 17	3 11.56	+10 27.8	1.130	2.112	4.5	20.5
11 27	3 1.38	+ 9 58.7	1.152	2.106	9.3	20.7
12 7	2 53.29	+ 9 46.0	1.198	2.100	14.3	21.0
12 17	2 48.25	+ 9 51.9	1.264	2.095	18.7	21.3

455886 2005 UH_{137} 11 13.5 2°.56 0°.7/13.1 17

10 8	3 39.94	+18 3.6	1.902	2.727	14.2	22.0
10 18	3 35.64	+17 39.8	1.825	2.727	10.9	21.8
10 28	3 29.11	+17 8.2	1.770	2.727	7.0	21.5
11 7	3 21.02	+16 31.2	1.742	2.727	2.8	21.3
11 17	3 12.33	+15 52.1	1.741	2.727	1.9	21.2
11 27	3 4.11	+15 15.6	1.770	2.728	6.1	21.5
12 7	2 57.33	+14 45.9	1.825	2.729	10.0	21.7
12 17	2 52.67	+14 26.5	1.904	2.730	13.5	22.0

191171 2002 MF_{5} 11 13.5 100°.18 3°.6/10.9 18

10 8	3 40.33	+ 6 51.9	2.506	3.324	11.4	20.5
10 18	3 35.17	+ 6 20.2	2.446	3.341	8.8	20.4
10 28	3 28.41	+ 5 50.1	2.410	3.358	6.0	20.2
11 7	3 20.65	+ 5 24.6	2.403	3.375	3.9	20.1
11 17	3 12.56	+ 5 6.7	2.425	3.392	4.2	20.2
11 27	3 4.92	+ 4 58.8	2.477	3.408	6.5	20.3
12 7	2 58.39	+ 5 2.2	2.557	3.424	9.1	20.5
12 17	2 53.46	+ 5 17.1	2.661	3.439	11.4	20.7

378061 2006 TZ_{91} 11 13.5 15°.63 0°.8/13.9 18

10 8	3 39.98	+22 0.1	1.082	1.936	20.6	20.4
10 18	3 37.12	+21 41.3	1.024	1.940	16.0	20.2
10 28	3 30.71	+21 6.1	0.984	1.945	10.5	19.9
11 7	3 21.79	+20 16.6	0.966	1.952	4.4	19.6
11 17	3 11.95	+19 18.3	0.972	1.959	2.1	19.4
11 27	3 3.04	+18 19.9	1.001	1.968	8.2	19.8
12 7	2 56.59	+17 30.3	1.054	1.977	13.6	20.2
12 17	2 53.47	+16 55.8	1.126	1.988	18.3	20.5

138916 2001 AS_{14} 11 13.5 314°.28 3°.9/11.6 18

10 8	3 40.72	+13 15.2	1.270	2.124	18.2	20.1
10 18	3 37.33	+12 21.3	1.194	2.112	14.0	19.8
10 28	3 30.77	+11 19.5	1.138	2.100	9.2	19.5
11 7	3 21.85	+10 15.5	1.105	2.088	4.7	19.2
11 17	3 11.87	+ 9 16.9	1.098	2.077	5.0	19.2
11 27	3 2.45	+ 8 31.9	1.115	2.067	9.8	19.5
12 7	2 55.03	+ 8 6.5	1.155	2.056	14.8	19.7
12 17	2 50.61	+ 8 3.3	1.215	2.047	19.2	20.0

213826 2003 QK_{65} 11 13.5 86°.25 3°.7/15.9 17

10 8	3 43.40	+29 34.8	2.284	3.061	13.6	20.3
10 18	3 38.12	+30 0.3	2.205	3.069	11.0	20.1
10 28	3 30.65	+30 13.4	2.150	3.077	7.9	20.0
11 7	3 21.65	+30 12.7	2.120	3.085	5.0	19.8
11 17	3 12.03	+29 58.4	2.118	3.093	3.7	19.7
11 27	3 2.87	+29 32.9	2.146	3.101	5.5	19.9
12 7	2 55.11	+29 0.7	2.203	3.109	8.5	20.1
12 17	2 49.44	+28 26.8	2.284	3.117	11.3	20.3

309523 2007 XB_{21} 11 13.5 14°.99 3°.0/12.6 18

10 8	3 44.55	+ 9 37.2	1.340	2.185	17.9	19.0
10 18	3 39.90	+ 9 58.5	1.278	2.190	13.8	18.7
10 28	3 32.20	+10 22.5	1.238	2.197	9.0	18.5
11 7	3 22.35	+10 51.2	1.221	2.204	4.3	18.2
11 17	3 11.67	+11 26.2	1.230	2.212	3.9	18.2
11 27	3 1.70	+12 8.4	1.265	2.222	8.3	18.5
12 7	2 53.80	+12 58.4	1.326	2.232	12.9	18.8
12 17	2 48.79	+13 56.0	1.408	2.243	16.8	19.1

81213 2000 FJ_{18} 11 13.5 85°.17 3°.7/11.5 18

10 8	3 42.69	+ 8 57.2	1.882	2.710	14.2	19.1
10 18	3 37.53	+ 8 27.1	1.820	2.722	10.9	19.0
10 28	3 30.19	+ 7 57.2	1.781	2.734	7.3	18.8
11 7	3 21.43	+ 7 31.3	1.768	2.745	4.2	18.6
11 17	3 12.18	+ 7 13.1	1.783	2.757	4.5	18.6
11 27	3 3.52	+ 7 6.0	1.827	2.769	7.6	18.9
12 7	2 56.35	+ 7 11.8	1.898	2.780	11.0	19.1
12 17	2 51.29	+ 7 30.9	1.992	2.791	14.0	19.3

492581 2014 OF_{188} 11 13.5 20°.17 4°.1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.47	+30 0.8	1.979	2.768	15.0	21.1
10 18	3 37.00	+30 21.7	1.902	2.772	12.1	20.9
10 28	3 30.08	+30 28.2	1.846	2.777	8.8	20.7
11 7	3 21.46	+30 18.7	1.815	2.781	5.6	20.6
11 17	3 12.14	+29 53.8	1.811	2.787	4.1	20.5
11 27	3 3.33	+29 16.6	1.835	2.792	6.1	20.6
12 7	2 56.09	+28 32.8	1.887	2.798	9.3	20.8
12 17	2 51.16	+27 48.4	1.963	2.804	12.5	21.0

431782 2008 LF_{13} 11 13.5 162°.39 1°.6/12.6 16

10 8	3 45.50	+15 41.6	1.913	2.731	14.4	22.5
10 18	3 39.78	+15 12.6	1.839	2.737	11.0	22.3
10 28	3 31.72	+14 37.6	1.787	2.742	7.1	22.1
11 7	3 22.07	+13 59.3	1.762	2.747	3.0	21.8
11 17	3 11.83	+13 21.2	1.767	2.751	2.5	21.8
11 27	3 2.15	+12 48.0	1.801	2.754	6.6	22.1
12 7	2 54.02	+12 23.6	1.862	2.757	10.5	22.3
12 17	2 48.13	+12 10.8	1.948	2.759	13.8	22.5

330586 2008 CH_{135} 11 13.5 191°.76 4°.1/11.3 17

10 8	3 44.22	+10 50.3	1.594	2.429	16.0	21.1
10 18	3 39.23	+ 9 58.2	1.521	2.428	12.3	20.9
10 28	3 31.58	+ 9 2.5	1.471	2.427	8.2	20.6
11 7	3 22.07	+ 8 8.6	1.447	2.426	4.6	20.4
11 17	3 11.84	+ 7 22.3	1.449	2.424	5.0	20.5
11 27	3 2.19	+ 6 49.5	1.480	2.422	8.8	20.7
12 7	2 54.29	+ 6 33.9	1.535	2.420	12.9	20.9
12 17	2 48.92	+ 6 36.7	1.612	2.418	16.5	21.1

241826 2001 SL_{209} 11 13.5 119°.65 5°.2/ 9.4 18

10 8	3 41.19	+ 4 2.7	2.370	3.188	12.0	21.4
10 18	3 35.86	+ 2 50.1	2.315	3.207	9.4	21.3
10 28	3 28.88	+ 1 40.2	2.286	3.226	6.8	21.1
11 7	3 20.87	+ 0 38.0	2.284	3.243	5.3	21.1
11 17	3 12.55	− 0 11.9	2.312	3.261	5.8	21.2
11 27	3 4.74	− 0 46.0	2.369	3.277	7.9	21.3
12 7	2 58.13	− 1 2.7	2.453	3.293	10.4	21.5
12 17	2 53.19	− 1 2.3	2.560	3.309	12.6	21.7

54307 2000 JT_{71} 11 13.5 320°.14 2°.3/12.6 18

10 8	3 41.23	+14 6.5	1.253	2.107	18.4	18.7
10 18	3 38.04	+13 58.0	1.168	2.086	14.3	18.3
10 28	3 31.48	+13 44.6	1.103	2.065	9.4	18.0
11 7	3 22.27	+13 29.2	1.059	2.045	4.1	17.6
11 17	3 11.68	+13 15.7	1.041	2.025	3.5	17.6
11 27	3 1.45	+13 9.3	1.047	2.007	9.0	17.8
12 7	2 53.20	+13 14.6	1.076	1.989	14.5	18.1
12 17	2 48.12	+13 34.4	1.125	1.973	19.3	18.3

401516 2013 EC_{64} 11 13.5 345°.86 3°.0/11.8 17

10 8	3 39.99	+12 41.1	1.681	2.520	15.2	21.2
10 18	3 35.93	+12 4.2	1.607	2.516	11.6	20.9
10 28	3 29.43	+11 23.0	1.555	2.513	7.6	20.7
11 7	3 21.23	+10 41.7	1.528	2.510	3.8	20.5
11 17	3 12.33	+10 5.0	1.528	2.508	3.9	20.5
11 27	3 3.93	+ 9 37.9	1.556	2.506	7.7	20.7
12 7	2 57.09	+ 9 24.0	1.609	2.504	11.8	20.9
12 17	2 52.56	+ 9 25.2	1.685	2.503	15.3	21.2

212354 2006 BQ_{101} 11 13.5 89°.36 7°.0/ 9.9 18

10 8	3 44.66	+ 1 32.4	1.712	2.540	15.4	20.2
10 18	3 39.04	+ 0 35.3	1.665	2.560	12.2	20.1
10 28	3 31.13	− 0 14.9	1.641	2.579	9.1	19.9
11 7	3 21.80	− 0 52.1	1.642	2.599	7.1	19.9
11 17	3 12.08	− 1 11.6	1.669	2.618	7.6	20.0
11 27	3 3.11	− 1 10.2	1.724	2.637	10.1	20.1
12 7	2 55.82	− 0 48.2	1.804	2.655	13.0	20.4
12 17	2 50.80	− 0 7.7	1.905	2.674	15.6	20.6

6709 Hiromiyuki 11 13.5 335°.03 1°.3/12.9 18 R

10 8	3 40.09	+16 44.3	1.200	2.055	18.9	16.8
10 18	3 37.14	+16 30.5	1.124	2.043	14.7	16.5
10 28	3 30.83	+16 7.9	1.068	2.031	9.5	16.2
11 7	3 21.96	+15 39.0	1.034	2.020	3.9	15.9
11 17	3 11.90	+15 8.5	1.024	2.010	2.8	15.8
11 27	3 2.39	+14 42.5	1.039	2.001	8.6	16.1
12 7	2 55.01	+14 27.2	1.076	1.994	14.1	16.4
12 17	2 50.82	+14 26.4	1.134	1.987	18.8	16.6

319410 2006 HX_{19} 11 13.5 180°.50 1°.9/11.9 18

10 8	3 38.04	+14 19.4	2.524	3.343	11.3	20.9
10 18	3 33.62	+13 32.6	2.444	3.343	8.6	20.7
10 28	3 27.55	+12 41.3	2.388	3.344	5.5	20.6
11 7	3 20.38	+11 48.4	2.361	3.344	2.6	20.4
11 17	3 12.80	+10 57.5	2.363	3.343	2.7	20.4
11 27	3 5.58	+10 12.7	2.396	3.343	5.6	20.6
12 7	2 59.41	+ 9 37.2	2.457	3.343	8.6	20.8
12 17	2 54.81	+ 9 13.1	2.543	3.342	11.3	20.9

228034 2008 GG_{45} 11 13.5 130°.76 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.56	+21 27.7	1.780	2.591	15.6	21.2
10 18	3 40.77	+21 10.4	1.711	2.603	12.1	21.0
10 28	3 32.44	+20 42.3	1.664	2.615	7.9	20.8
11 7	3 22.39	+20 4.7	1.643	2.627	3.3	20.5
11 17	3 11.76	+19 20.7	1.650	2.637	1.6	20.4
11 27	3 1.81	+18 35.5	1.687	2.648	6.1	20.7
12 7	2 53.63	+17 54.6	1.751	2.657	10.3	21.0
12 17	2 47.93	+17 22.6	1.840	2.666	13.8	21.2

247041 2000 FJ_{1} 11 13.5 241°.36 8°.4/ 6.9 18

10 8	3 41.32	−12 31.7	2.786	3.561	11.5	20.3
10 18	3 35.96	−13 18.1	2.713	3.548	10.0	20.2
10 28	3 29.01	−13 52.8	2.663	3.536	8.9	20.1
11 7	3 20.97	−14 10.7	2.639	3.522	8.4	20.0
11 17	3 12.51	−14 8.5	2.641	3.509	8.9	20.0
11 27	3 4.34	−13 44.4	2.669	3.495	10.1	20.1
12 7	2 57.16	−12 59.2	2.722	3.481	11.7	20.2
12 17	2 51.47	−11 55.2	2.796	3.466	13.3	20.3

282026 2184 $T\text{-}_{3}$ 11 13.5 7°.00 0°.5/13.7 18

10 8	3 39.00	+21 45.0	1.229	2.077	19.0	19.9
10 18	3 36.08	+21 19.0	1.164	2.077	14.8	19.6
10 28	3 29.93	+20 37.7	1.119	2.079	9.7	19.4
11 7	3 21.52	+19 43.4	1.096	2.081	4.0	19.1
11 17	3 12.23	+18 41.5	1.097	2.085	2.0	18.9
11 27	3 3.71	+17 40.1	1.124	2.089	7.7	19.3
12 7	2 57.35	+16 47.6	1.175	2.095	12.9	19.6
12 17	2 54.02	+16 9.8	1.246	2.102	17.3	19.9

33025 1997 PV_{5} 11 13.5 324°.19 2°.8/14.7 18

10 8	3 46.01	+24 23.6	1.311	2.138	19.3	19.1
10 18	3 41.59	+24 40.4	1.237	2.135	15.3	18.9
10 28	3 33.64	+24 42.7	1.182	2.132	10.5	18.6
11 7	3 23.08	+24 29.1	1.150	2.130	5.3	18.3
11 17	3 11.36	+24 0.5	1.143	2.128	3.1	18.1
11 27	3 0.32	+23 22.1	1.162	2.126	7.7	18.4
12 7	2 51.57	+22 41.8	1.205	2.124	12.8	18.7
12 17	2 46.15	+22 7.4	1.271	2.122	17.2	19.0

161313 2003 PZ_{10} 11 13.5 129°.69 2°.2/12.2 18

10 8	3 43.62	+14 10.3	1.948	2.769	14.1	21.0
10 18	3 38.24	+13 33.7	1.880	2.780	10.7	20.8
10 28	3 30.68	+12 52.4	1.835	2.791	6.9	20.6
11 7	3 21.67	+12 9.6	1.818	2.801	3.1	20.3
11 17	3 12.18	+11 29.5	1.829	2.811	3.0	20.4
11 27	3 3.25	+10 56.4	1.870	2.820	6.7	20.6
12 7	2 55.82	+10 33.8	1.938	2.829	10.3	20.9
12 17	2 50.52	+10 23.9	2.030	2.837	13.5	21.1

291482 2006 DJ_{96} 11 13.5 206°.18 0°.4/13.2 17

10 8	3 39.30	+18 17.7	2.738	3.544	10.9	22.0
10 18	3 34.54	+17 57.8	2.648	3.540	8.3	21.8
10 28	3 28.15	+17 32.2	2.584	3.536	5.3	21.6
11 7	3 20.65	+17 2.3	2.547	3.532	2.1	21.4
11 17	3 12.70	+16 30.4	2.541	3.527	1.3	21.3
11 27	3 5.04	+15 59.3	2.566	3.523	4.6	21.6
12 7	2 58.38	+15 32.2	2.620	3.517	7.7	21.8
12 17	2 53.24	+15 11.6	2.699	3.512	10.3	21.9

96104 3189 $T\text{-}_{2}$ 11 13.5 3°.13 2°.4/14.4 18

10 8	3 43.28	+22 2.2	1.269	2.107	19.1	19.4
10 18	3 39.50	+22 37.7	1.200	2.106	15.0	19.1
10 28	3 32.29	+23 2.6	1.151	2.106	10.2	18.9
11 7	3 22.54	+23 15.5	1.124	2.106	4.9	18.6
11 17	3 11.68	+23 16.3	1.122	2.108	2.8	18.5
11 27	3 1.47	+23 8.4	1.146	2.111	7.6	18.8
12 7	2 53.51	+22 57.8	1.193	2.114	12.6	19.1
12 17	2 48.80	+22 50.4	1.262	2.119	17.0	19.3

315812 2008 GL_{72} 11 13.5 349°.47 2°.2/12.1 18

10 8	3 39.34	+14 55.0	1.843	2.676	14.3	21.1
10 18	3 35.24	+14 12.0	1.767	2.674	10.9	20.9
10 28	3 28.90	+13 22.6	1.714	2.672	7.0	20.6
11 7	3 21.02	+12 30.7	1.687	2.671	3.2	20.4
11 17	3 12.52	+11 40.8	1.688	2.670	3.1	20.4
11 27	3 4.51	+10 58.3	1.717	2.669	6.9	20.6
12 7	2 57.93	+10 27.5	1.772	2.668	10.8	20.9
12 17	2 53.48	+10 10.9	1.851	2.668	14.2	21.1

94319 2001 FX_{100} 11 13.5 313°.42 2°.9/14.9 17

10 8	3 43.17	+24 58.9	2.009	2.810	14.5	19.0
10 18	3 38.44	+25 35.3	1.913	2.796	11.5	18.7
10 28	3 31.19	+26 2.7	1.840	2.781	8.0	18.5
11 7	3 22.04	+26 19.4	1.792	2.767	4.5	18.3
11 17	3 11.92	+26 24.8	1.772	2.754	3.0	18.2
11 27	3 2.05	+26 20.4	1.781	2.740	6.0	18.3
12 7	2 53.59	+26 10.1	1.817	2.727	9.7	18.5
12 17	2 47.42	+25 58.6	1.878	2.715	13.2	18.7

105631 2000 SU_{7} 11 13.5 335°.23 4°.7/15.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.83	+28 25.0	1.204	2.032	20.6	19.7
10 18	3 39.59	+28 45.9	1.129	2.024	16.6	19.4
10 28	3 32.60	+28 46.9	1.071	2.017	11.9	19.1
11 7	3 22.74	+28 25.2	1.035	2.010	7.1	18.8
11 17	3 11.56	+27 40.9	1.023	2.004	4.8	18.7
11 27	3 1.06	+26 40.1	1.035	1.999	8.3	18.9
12 7	2 53.02	+25 33.4	1.070	1.995	13.4	19.1
12 17	2 48.55	+24 31.2	1.126	1.991	18.1	19.4

231484 2008 OZ_{18} 11 13.5 68°.96 0°.6/13.8 18

10 8	3 49.39	+17 15.4	2.168	2.968	13.6	19.8
10 18	3 42.58	+18 4.2	2.096	2.983	10.4	19.6
10 28	3 33.50	+18 50.0	2.048	2.998	6.8	19.4
11 7	3 22.85	+19 31.4	2.030	3.013	2.8	19.2
11 17	3 11.58	+20 7.8	2.041	3.028	1.5	19.2
11 27	3 0.79	+20 39.7	2.085	3.043	5.3	19.4
12 7	2 51.47	+21 9.0	2.157	3.059	8.9	19.7
12 17	2 44.31	+21 37.8	2.256	3.074	11.9	19.9

134806 2000 EM_{162} 11 13.5 78°.36 3°.1/11.6 18

10 8	3 42.05	+12 11.0	1.833	2.663	14.5	19.8
10 18	3 37.06	+11 21.7	1.776	2.681	11.0	19.6
10 28	3 29.90	+10 29.3	1.743	2.699	7.1	19.4
11 7	3 21.37	+ 9 38.2	1.736	2.717	3.7	19.2
11 17	3 12.42	+ 8 53.1	1.758	2.735	3.9	19.3
11 27	3 4.13	+ 8 18.8	1.808	2.753	7.3	19.5
12 7	2 57.39	+ 7 58.2	1.884	2.770	10.8	19.8
12 17	2 52.78	+ 7 52.7	1.984	2.788	13.9	20.0

153427 2001 QV_{212} 11 13.5 84°.11 1°.9/14.6 18

10 8	3 46.26	+24 9.5	1.550	2.365	17.4	20.6
10 18	3 40.94	+24 7.1	1.487	2.380	13.5	20.4
10 28	3 32.74	+23 50.9	1.445	2.394	9.1	20.2
11 7	3 22.58	+23 21.3	1.428	2.409	4.3	20.0
11 17	3 11.77	+22 40.8	1.437	2.423	2.3	19.9
11 27	3 1.77	+21 54.9	1.475	2.437	6.5	20.2
12 7	2 53.80	+21 10.5	1.538	2.451	10.9	20.5
12 17	2 48.62	+20 33.4	1.625	2.465	14.7	20.7

331009 2009 UG_{91} 11 13.5 348°.11 2°.2/12.3 18

10 8	3 39.69	+12 53.6	1.916	2.748	13.9	20.6
10 18	3 35.48	+12 37.7	1.838	2.744	10.6	20.4
10 28	3 29.06	+12 19.0	1.783	2.740	6.9	20.2
11 7	3 21.11	+12 0.1	1.753	2.737	3.2	19.9
11 17	3 12.52	+11 44.2	1.752	2.734	3.0	19.9
11 27	3 4.34	+11 34.7	1.779	2.732	6.7	20.1
12 7	2 57.52	+11 34.3	1.832	2.730	10.4	20.4
12 17	2 52.77	+11 44.7	1.909	2.728	13.7	20.6

98889 2001 BL_{38} 11 13.5 185°.91 8°.6/22.3 18

10 8	3 55.89	+52 33.4	3.113	3.721	13.4	20.0
10 18	3 47.97	+53 20.6	3.018	3.721	12.1	19.9
10 28	3 37.22	+53 48.7	2.942	3.720	10.7	19.8
11 7	3 24.42	+53 52.9	2.888	3.718	9.5	19.7
11 17	3 10.75	+53 30.4	2.860	3.715	8.7	19.6
11 27	2 57.62	+52 41.7	2.857	3.711	8.7	19.6
12 7	2 46.30	+51 31.6	2.881	3.707	9.4	19.7
12 17	2 37.66	+50 7.0	2.931	3.701	10.7	19.8

31881 2000 FL_{15} 11 13.5 271°.25 11°.7/ 5.0 17

10 8	3 42.46	+ 7 53.4	0.974	1.845	21.1	18.7
10 18	3 39.35	+ 4 7.6	0.909	1.831	16.8	18.4
10 28	3 32.44	+ 0 3.5	0.865	1.817	13.0	18.1
11 7	3 22.68	− 3 56.1	0.845	1.803	11.8	18.0
11 17	3 11.68	− 7 24.7	0.849	1.788	14.4	18.1
11 27	3 1.44	−10 1.1	0.875	1.773	18.9	18.3
12 7	2 53.69	−11 36.8	0.920	1.758	23.5	18.6
12 17	2 49.48	−12 14.7	0.979	1.744	27.4	18.8

452277 2015 TM_{169} 11 13.5 303°.83 3°.1/11.9 18

10 8	3 42.42	+ 9 18.2	2.019	2.844	13.5	20.8
10 18	3 37.44	+ 9 8.5	1.938	2.839	10.4	20.6
10 28	3 30.28	+ 8 59.3	1.881	2.834	6.9	20.3
11 7	3 21.60	+ 8 53.4	1.850	2.829	3.8	20.1
11 17	3 12.27	+ 8 53.4	1.848	2.825	3.8	20.1
11 27	3 3.32	+ 9 1.9	1.875	2.820	7.0	20.3
12 7	2 55.71	+ 9 20.6	1.928	2.816	10.5	20.5
12 17	2 50.11	+ 9 50.0	2.006	2.812	13.7	20.7

112661 2002 PR_{87} 11 13.5 150°.45 3°.9/11.1 18

10 8	3 47.05	+ 8 4.8	2.137	2.950	13.3	21.2
10 18	3 40.59	+ 7 22.5	2.070	2.963	10.2	21.0
10 28	3 32.09	+ 6 40.2	2.028	2.976	6.9	20.8
11 7	3 22.25	+ 6 2.1	2.014	2.987	4.3	20.7
11 17	3 11.98	+ 5 31.9	2.029	2.998	4.6	20.7
11 27	3 2.27	+ 5 13.3	2.075	3.007	7.4	20.9
12 7	2 53.98	+ 5 8.2	2.149	3.016	10.5	21.1
12 17	2 47.71	+ 5 17.2	2.246	3.023	13.3	21.3

138008 2000 CT_{88} 11 13.5 209°.18 4°.9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.88	+32 13.3	2.234	2.996	14.3	19.9
10 18	3 41.12	+32 51.1	2.142	2.992	11.8	19.7
10 28	3 32.83	+33 15.4	2.072	2.988	8.9	19.6
11 7	3 22.69	+33 23.4	2.027	2.983	6.1	19.4
11 17	3 11.68	+33 13.8	2.011	2.977	4.9	19.3
11 27	3 1.03	+32 48.7	2.024	2.972	6.4	19.4
12 7	2 51.86	+32 12.6	2.065	2.966	9.2	19.6
12 17	2 45.01	+31 31.8	2.131	2.960	12.1	19.7

352289 2007 TU_{411} 11 13.5 112°.70 10°.9/19.9 18

10 8	3 54.61	+45 32.2	1.950	2.647	18.1	20.9
10 18	3 48.29	+47 10.1	1.874	2.652	16.0	20.8
10 28	3 38.16	+48 26.8	1.816	2.657	13.8	20.6
11 7	3 25.03	+49 14.4	1.780	2.662	11.9	20.5
11 17	3 10.40	+49 27.2	1.768	2.666	10.9	20.5
11 27	2 56.27	+49 5.4	1.781	2.671	11.2	20.5
12 7	2 44.51	+48 15.4	1.818	2.675	12.6	20.6
12 17	2 36.35	+47 7.5	1.877	2.679	14.6	20.7

331602 2001 WZ_{46} 11 13.5 48°.81 0°.2/13.5 18

10 8	3 44.49	+21 36.5	1.222	2.061	19.6	20.2
10 18	3 39.80	+20 51.7	1.180	2.088	15.0	20.0
10 28	3 31.98	+19 52.3	1.157	2.116	9.6	19.8
11 7	3 22.23	+18 42.5	1.158	2.143	3.8	19.5
11 17	3 12.06	+17 29.2	1.185	2.172	2.0	19.5
11 27	3 3.07	+16 21.0	1.238	2.200	7.5	19.9
12 7	2 56.44	+15 25.4	1.315	2.229	12.3	20.3
12 17	2 52.79	+14 46.9	1.414	2.258	16.3	20.6

445238 2009 KN_{6} 11 13.5 23°.84 19°.2/12.9 17

10 8	3 45.12	−25 12.9	1.163	1.947	23.8	18.4
10 18	3 39.91	−26 15.3	1.163	1.978	21.8	18.4
10 28	3 31.74	−26 36.1	1.177	2.011	20.2	18.4
11 7	3 22.00	−26 8.3	1.207	2.046	19.3	18.4
11 17	3 12.25	−24 51.1	1.255	2.082	19.3	18.6
11 27	3 3.94	−22 49.8	1.320	2.120	19.9	18.7
12 7	2 58.05	−20 15.1	1.403	2.159	20.9	18.9
12 17	2 55.03	−17 18.5	1.503	2.199	22.1	19.2

265069 2003 SY_{94} 11 13.5 11°.59 5°.1/16.9 17

10 8	3 42.13	+33 21.4	2.059	2.831	15.1	20.1
10 18	3 37.58	+33 46.9	1.977	2.833	12.4	19.9
10 28	3 30.54	+33 56.4	1.917	2.834	9.4	19.7
11 7	3 21.75	+33 47.6	1.881	2.836	6.5	19.5
11 17	3 12.22	+33 20.3	1.872	2.838	5.1	19.5
11 27	3 3.17	+32 37.7	1.890	2.841	6.5	19.5
12 7	2 55.70	+31 45.3	1.936	2.844	9.4	19.7
12 17	2 50.57	+30 50.1	2.007	2.847	12.3	19.9

299628 2006 JB_{56} 11 13.5 134°.85 6°.4/ 9.8 18

10 8	3 43.64	+ 0 39.7	2.067	2.884	13.5	21.1
10 18	3 38.06	− 0 8.5	2.006	2.894	10.8	20.9
10 28	3 30.50	− 0 50.7	1.970	2.904	8.1	20.8
11 7	3 21.63	− 1 21.7	1.960	2.913	6.5	20.7
11 17	3 12.33	− 1 37.3	1.978	2.922	7.0	20.7
11 27	3 3.57	− 1 34.9	2.024	2.931	9.1	20.9
12 7	2 56.18	− 1 14.1	2.096	2.939	11.8	21.1
12 17	2 50.74	− 0 36.5	2.190	2.947	14.2	21.3

137956 2000 CW_{17} 11 13.5 23°.80 2°.1/14.5 18

10 8	3 41.49	+23 47.8	1.093	1.942	20.9	18.6
10 18	3 38.30	+23 46.2	1.039	1.950	16.3	18.3
10 28	3 31.51	+23 27.3	1.003	1.960	10.9	18.1
11 7	3 22.21	+22 51.9	0.988	1.971	5.1	17.8
11 17	3 12.03	+22 3.8	0.996	1.983	2.6	17.7
11 27	3 2.85	+21 11.0	1.029	1.996	7.9	18.0
12 7	2 56.18	+20 22.4	1.085	2.010	13.2	18.4
12 17	2 52.89	+19 45.1	1.162	2.025	17.7	18.7

345127 2005 QK_{165} 11 13.5 75°.17 0°.6/13.3 18

10 8	3 47.40	+16 45.4	1.468	2.297	17.4	20.5
10 18	3 41.83	+16 48.9	1.408	2.312	13.4	20.2
10 28	3 33.34	+16 46.2	1.370	2.327	8.6	20.0
11 7	3 22.85	+16 38.6	1.357	2.342	3.4	19.7
11 17	3 11.69	+16 28.5	1.371	2.357	2.1	19.7
11 27	3 1.35	+16 19.8	1.412	2.372	7.1	20.0
12 7	2 53.07	+16 16.6	1.480	2.387	11.7	20.4
12 17	2 47.62	+16 21.9	1.570	2.402	15.5	20.6

164573 2006 KK_{122} 11 13.5 175°.00 1°.9/12.2 18

10 8	3 43.01	+13 56.9	2.271	3.086	12.5	21.0
10 18	3 37.59	+13 24.7	2.192	3.089	9.6	20.8
10 28	3 30.23	+12 48.3	2.137	3.091	6.2	20.6
11 7	3 21.56	+12 10.5	2.109	3.092	2.8	20.4
11 17	3 12.38	+11 34.6	2.112	3.093	2.7	20.4
11 27	3 3.62	+11 4.3	2.145	3.094	6.0	20.6
12 7	2 56.11	+10 42.9	2.206	3.093	9.4	20.8
12 17	2 50.46	+10 32.4	2.292	3.093	12.3	21.0

140432 2001 TC_{102} 11 13.5 117°.25 1°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.62	+26 10.4	2.151	2.945	13.8	19.9
10 18	3 37.49	+25 50.8	2.076	2.956	10.8	19.7
10 28	3 30.23	+25 18.3	2.023	2.966	7.4	19.5
11 7	3 21.56	+24 33.8	1.997	2.976	3.7	19.3
11 17	3 12.40	+23 39.8	2.000	2.985	2.1	19.2
11 27	3 3.80	+22 40.8	2.033	2.994	5.2	19.5
12 7	2 56.64	+21 42.6	2.094	3.003	8.7	19.7
12 17	2 51.54	+20 50.3	2.181	3.012	11.8	19.9

5910 Zátopek 11 13.5 346°.69 5°.0/11.4 18

10 8	3 40.03	+10 32.9	1.134	1.998	19.2	16.7
10 18	3 37.05	+ 9 47.3	1.069	1.991	14.9	16.4
10 28	3 30.72	+ 8 58.3	1.023	1.985	10.0	16.1
11 7	3 21.96	+ 8 12.7	0.998	1.979	5.7	15.8
11 17	3 12.16	+ 7 37.8	0.998	1.975	6.0	15.8
11 27	3 3.04	+ 7 20.5	1.021	1.972	10.6	16.1
12 7	2 56.10	+ 7 24.7	1.066	1.970	15.5	16.4
12 17	2 52.30	+ 7 50.5	1.130	1.969	19.9	16.6

282789 2006 KO_{114} 11 13.5 43°.99 20°.1/13.3 17

10 8	3 57.98	−22 5.0	0.963	1.758	26.9	19.6
10 18	3 50.77	−22 45.9	0.930	1.767	24.3	19.4
10 28	3 39.36	−22 43.7	0.910	1.777	22.0	19.3
11 7	3 25.25	−21 45.5	0.906	1.788	20.4	19.3
11 17	3 10.56	−19 46.4	0.920	1.800	20.2	19.3
11 27	2 57.55	−16 52.6	0.955	1.812	21.4	19.4
12 7	2 47.84	−13 19.5	1.008	1.824	23.5	19.6
12 17	2 42.17	− 9 25.0	1.079	1.837	25.8	19.9

155900 2001 FJ_{142} 11 13.5 146°.65 2°.8/11.1 18

10 8	3 38.44	+11 6.4	2.628	3.447	10.9	20.4
10 18	3 33.82	+10 13.4	2.555	3.454	8.3	20.2
10 28	3 27.66	+ 9 18.0	2.507	3.459	5.5	20.0
11 7	3 20.50	+ 8 23.8	2.487	3.465	3.1	19.9
11 17	3 12.97	+ 7 34.3	2.497	3.470	3.4	19.9
11 27	3 5.81	+ 6 53.4	2.538	3.475	5.9	20.1
12 7	2 59.67	+ 6 23.5	2.606	3.480	8.7	20.3
12 17	2 55.02	+ 6 6.3	2.700	3.484	11.1	20.5

138432 2000 HM_{82} 11 13.5 306°.05 1°.1/12.9 18

10 8	3 40.63	+17 26.4	1.828	2.655	14.6	20.2
10 18	3 36.36	+16 55.0	1.746	2.650	11.2	19.9
10 28	3 29.73	+16 15.5	1.687	2.644	7.2	19.7
11 7	3 21.44	+15 30.6	1.654	2.639	2.9	19.4
11 17	3 12.45	+14 44.1	1.649	2.634	2.2	19.3
11 27	3 3.91	+14 1.4	1.672	2.629	6.5	19.6
12 7	2 56.86	+13 27.2	1.721	2.624	10.6	19.8
12 17	2 52.03	+13 5.1	1.795	2.620	14.2	20.1

243070 2007 GG_{61} 11 13.5 102°.47 0°.5/13.9 18

10 8	3 40.30	+21 57.2	2.451	3.253	12.1	21.1
10 18	3 35.40	+21 32.4	2.378	3.266	9.3	21.0
10 28	3 28.74	+20 58.9	2.330	3.280	6.1	20.8
11 7	3 20.94	+20 18.2	2.309	3.293	2.6	20.6
11 17	3 12.75	+19 33.0	2.318	3.305	1.2	20.5
11 27	3 5.03	+18 47.0	2.358	3.318	4.7	20.8
12 7	2 58.50	+18 4.4	2.426	3.330	7.9	21.0
12 17	2 53.70	+17 28.5	2.520	3.342	10.7	21.2

146306 2001 KM_{19} 11 13.5 53°.76 1°.0/13.1 18

10 8	3 47.23	+16 49.9	1.234	2.076	19.4	19.3
10 18	3 41.92	+16 42.1	1.190	2.100	14.7	19.1
10 28	3 33.42	+16 26.7	1.166	2.125	9.4	18.9
11 7	3 22.87	+16 6.3	1.165	2.151	3.7	18.6
11 17	3 11.79	+15 44.6	1.190	2.176	2.4	18.6
11 27	3 1.82	+15 26.7	1.241	2.202	7.8	19.0
12 7	2 54.24	+15 17.3	1.317	2.228	12.6	19.4
12 17	2 49.74	+15 19.2	1.414	2.254	16.5	19.7

31709 1999 JD_{51} 11 13.5 118°.87 0°.9/12.8 18

10 8	3 40.50	+18 54.8	2.157	2.973	13.1	18.7
10 18	3 35.76	+18 3.7	2.083	2.980	10.0	18.5
10 28	3 29.07	+17 3.8	2.033	2.988	6.4	18.3
11 7	3 21.09	+15 58.1	2.010	2.995	2.5	18.1
11 17	3 12.68	+14 51.1	2.016	3.002	1.9	18.0
11 27	3 4.76	+13 48.0	2.053	3.009	5.7	18.3
12 7	2 58.17	+12 53.7	2.118	3.015	9.2	18.5
12 17	2 53.48	+12 11.6	2.208	3.022	12.3	18.8

201474 2003 GN_{27} 11 13.5 131°.68 1°.8/14.5 18

10 8	3 46.06	+23 44.8	1.792	2.598	15.7	21.1
10 18	3 40.58	+23 48.7	1.718	2.606	12.3	20.9
10 28	3 32.48	+23 40.9	1.666	2.613	8.3	20.7
11 7	3 22.54	+23 21.5	1.639	2.619	4.0	20.4
11 17	3 11.90	+22 52.0	1.640	2.626	2.1	20.3
11 27	3 1.86	+22 16.6	1.670	2.632	6.0	20.6
12 7	2 53.57	+21 41.0	1.728	2.638	10.1	20.8
12 17	2 47.79	+21 10.5	1.809	2.643	13.7	21.1

362647 2011 SG_{219} 11 13.5 312°.83 2°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.01	+17 28.1	1.598	2.438	15.8	20.0
10 18	3 34.84	+16 15.6	1.503	2.414	12.2	19.7
10 28	3 29.03	+14 49.0	1.430	2.390	7.9	19.4
11 7	3 21.25	+13 13.1	1.382	2.367	3.5	19.1
11 17	3 12.54	+11 35.2	1.361	2.344	3.6	19.1
11 27	3 4.19	+10 4.5	1.368	2.321	8.2	19.3
12 7	2 57.40	+ 8 49.3	1.401	2.299	12.9	19.5
12 17	2 53.06	+ 7 55.1	1.455	2.278	17.0	19.7

377571 2005 LC_{20} 11 13.5 156°.86 1°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.50	+15 37.4	1.725	2.545	15.7	21.3
10 18	3 41.65	+15 27.2	1.652	2.551	12.0	21.0
10 28	3 33.15	+15 11.6	1.601	2.556	7.7	20.8
11 7	3 22.81	+14 52.5	1.576	2.561	3.2	20.5
11 17	3 11.76	+14 33.0	1.580	2.565	2.4	20.5
11 27	3 1.31	+14 16.8	1.613	2.569	6.9	20.8
12 7	2 52.60	+14 7.8	1.672	2.572	11.1	21.1
12 17	2 46.42	+14 8.6	1.755	2.574	14.7	21.3

450518 2006 BD_{7} 11 13.5 332°.00 6°.9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.51	+ 1 22.5	1.853	2.688	14.1	20.9
10 18	3 34.60	+ 0 25.1	1.780	2.679	11.3	20.7
10 28	3 28.53	− 0 27.3	1.730	2.670	8.6	20.5
11 7	3 20.95	− 1 8.6	1.705	2.661	7.0	20.4
11 17	3 12.74	− 1 33.3	1.706	2.653	7.7	20.4
11 27	3 4.94	− 1 37.5	1.734	2.646	10.1	20.6
12 7	2 58.48	− 1 20.1	1.786	2.639	13.0	20.7
12 17	2 54.05	− 0 42.5	1.859	2.632	15.8	20.9

512065 2015 MQ_{123} 11 13.5 153°.01 7°.1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.92	− 1 50.2	2.218	3.029	12.9	22.5
10 18	3 37.41	− 3 0.3	2.159	3.038	10.5	22.4
10 28	3 30.05	− 4 3.6	2.124	3.047	8.3	22.2
11 7	3 21.48	− 4 54.2	2.116	3.054	7.2	22.2
11 17	3 12.51	− 5 27.4	2.136	3.061	7.8	22.2
11 27	3 4.03	− 5 40.0	2.183	3.068	9.7	22.4
12 7	2 56.82	− 5 31.6	2.256	3.074	12.0	22.5
12 17	2 51.43	− 5 3.8	2.350	3.079	14.1	22.7

183366 2002 WU_{22} 11 13.5 71°.24 2°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.61	+12 50.3	1.413	2.249	17.7	20.2
10 18	3 42.02	+12 46.5	1.357	2.264	13.5	20.0
10 28	3 33.48	+12 40.1	1.321	2.279	8.7	19.8
11 7	3 22.95	+12 33.8	1.310	2.295	3.9	19.5
11 17	3 11.76	+12 30.6	1.326	2.310	3.3	19.6
11 27	3 1.42	+12 34.0	1.370	2.325	7.9	19.9
12 7	2 53.17	+12 46.5	1.438	2.341	12.4	20.2
12 17	2 47.78	+13 9.5	1.529	2.356	16.2	20.5

485800 2012 DL_{33} 11 13.5 93°.10 10°.4/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.16	+50 6.5	2.433	3.080	16.0	21.3
10 18	3 48.29	+51 39.5	2.359	3.091	14.4	21.2
10 28	3 37.96	+52 52.1	2.304	3.101	12.7	21.1
11 7	3 24.94	+53 37.7	2.271	3.112	11.3	21.0
11 17	3 10.61	+53 51.8	2.261	3.122	10.5	21.0
11 27	2 56.72	+53 34.4	2.276	3.132	10.5	21.0
12 7	2 44.95	+52 50.7	2.316	3.143	11.4	21.1
12 17	2 36.39	+51 49.1	2.378	3.153	12.7	21.2

40977 1999 TD_{279} 11 13.5 8°.76 4°.7/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.74	+29 34.0	1.828	2.620	16.0	18.8
10 18	3 39.09	+30 17.9	1.749	2.621	13.0	18.6
10 28	3 31.71	+30 48.2	1.692	2.622	9.5	18.4
11 7	3 22.32	+31 2.2	1.659	2.624	6.2	18.2
11 17	3 12.05	+30 58.9	1.653	2.627	4.7	18.1
11 27	3 2.25	+30 40.5	1.675	2.630	6.8	18.2
12 7	2 54.17	+30 12.5	1.723	2.634	10.1	18.4
12 17	2 48.65	+29 41.1	1.795	2.638	13.4	18.7

322911 2002 AF_{165} 11 13.6 192°.85 4°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.34	+29 31.9	1.659	2.451	17.4	21.2
10 18	3 42.84	+29 41.1	1.576	2.450	14.0	20.9
10 28	3 34.23	+29 32.8	1.514	2.448	10.1	20.7
11 7	3 23.36	+29 4.9	1.475	2.446	6.0	20.5
11 17	3 11.52	+28 18.1	1.464	2.443	4.1	20.3
11 27	3 0.31	+27 17.3	1.481	2.440	7.0	20.5
12 7	2 51.10	+26 10.8	1.524	2.436	11.1	20.7
12 17	2 44.83	+25 6.9	1.592	2.432	14.9	21.0

171668 2000 NZ_{17} 11 13.6 94°.44 4°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.29	+29 26.6	1.436	2.233	19.3	19.9
10 18	3 45.17	+29 48.3	1.377	2.254	15.5	19.7
10 28	3 35.66	+29 51.2	1.338	2.274	11.0	19.5
11 7	3 23.86	+29 33.0	1.323	2.293	6.6	19.3
11 17	3 11.32	+28 54.4	1.334	2.312	4.6	19.2
11 27	2 59.82	+28 1.4	1.372	2.331	7.4	19.5
12 7	2 50.78	+27 2.8	1.436	2.349	11.5	19.7
12 17	2 45.00	+26 7.4	1.523	2.367	15.3	20.0

75741 2000 AK_{149} 11 13.6 244°.75 6°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.74	− 0 35.3	2.408	3.223	11.9	19.1
10 18	3 35.03	− 1 22.5	2.331	3.216	9.6	18.9
10 28	3 28.58	− 2 4.2	2.279	3.209	7.4	18.8
11 7	3 20.94	− 2 35.6	2.254	3.201	6.2	18.7
11 17	3 12.81	− 2 52.9	2.256	3.194	6.7	18.7
11 27	3 5.01	− 2 53.2	2.287	3.186	8.6	18.8
12 7	2 58.28	− 2 36.0	2.343	3.178	11.0	18.9
12 17	2 53.19	− 2 2.0	2.422	3.170	13.3	19.1

255523 2006 DV_{61} 11 13.6 242°.40 7°.0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.13	− 4 35.9	2.554	3.359	11.6	20.3
10 18	3 35.23	− 5 23.4	2.478	3.349	9.6	20.1
10 28	3 28.67	− 6 3.1	2.425	3.339	7.9	20.0
11 7	3 20.97	− 6 30.3	2.399	3.329	7.0	19.9
11 17	3 12.80	− 6 41.2	2.401	3.318	7.5	19.9
11 27	3 4.93	− 6 33.4	2.431	3.308	9.1	20.0
12 7	2 58.08	− 6 6.7	2.485	3.297	11.2	20.2
12 17	2 52.79	− 5 22.6	2.563	3.286	13.2	20.3

129842 1999 RT_{25} 11 13.6 47°.59 1°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.66	+17 15.2	1.326	2.169	18.2	19.8
10 18	3 38.93	+16 28.7	1.284	2.196	13.8	19.6
10 28	3 31.36	+15 33.4	1.263	2.223	8.7	19.4
11 7	3 22.04	+14 34.2	1.266	2.251	3.6	19.2
11 17	3 12.32	+13 37.3	1.295	2.280	2.9	19.3
11 27	3 3.65	+12 49.5	1.351	2.309	7.7	19.6
12 7	2 57.10	+12 15.7	1.431	2.338	12.1	20.0
12 17	2 53.29	+11 58.4	1.534	2.367	15.8	20.3

304280 2006 SU_{29} 11 13.6 60°.94 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.65	+22 15.1	1.824	2.640	15.1	20.7
10 18	3 37.13	+21 48.8	1.749	2.644	11.7	20.4
10 28	3 30.21	+21 10.6	1.695	2.648	7.7	20.2
11 7	3 21.64	+20 22.3	1.668	2.651	3.3	20.0
11 17	3 12.46	+19 27.4	1.668	2.655	1.5	19.8
11 27	3 3.84	+18 31.5	1.697	2.659	5.9	20.1
12 7	2 56.81	+17 40.4	1.754	2.663	10.0	20.4
12 17	2 52.06	+16 59.0	1.834	2.667	13.6	20.6

148237 2000 EX_{9} 11 13.6 201°.40 0°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.35	+19 23.3	1.934	2.746	14.5	21.6
10 18	3 39.90	+19 3.5	1.848	2.742	11.2	21.4
10 28	3 32.02	+18 34.9	1.786	2.738	7.3	21.2
11 7	3 22.41	+17 58.9	1.749	2.734	2.9	20.9
11 17	3 12.07	+17 18.5	1.742	2.729	1.6	20.8
11 27	3 2.19	+16 38.3	1.764	2.723	6.1	21.1
12 7	2 53.83	+16 3.1	1.814	2.716	10.2	21.3
12 17	2 47.74	+15 37.2	1.888	2.709	13.8	21.5

146021 2000 DB_{4} 11 13.6 203°.60 2°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.24	+12 26.4	1.876	2.698	14.5	20.7
10 18	3 39.79	+11 57.0	1.794	2.694	11.1	20.5
10 28	3 31.94	+11 24.0	1.735	2.690	7.3	20.3
11 7	3 22.38	+10 50.7	1.703	2.685	3.6	20.0
11 17	3 12.10	+10 21.0	1.700	2.680	3.5	20.0
11 27	3 2.28	+ 9 59.1	1.726	2.674	7.3	20.3
12 7	2 53.96	+ 9 48.5	1.778	2.668	11.2	20.5
12 17	2 47.89	+ 9 51.0	1.855	2.661	14.6	20.7

112307 2002 LQ_{47} 11 13.6 39°.55 9°.7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.15	− 0 39.1	1.369	2.217	17.5	18.4
10 18	3 36.13	− 2 21.2	1.333	2.234	14.1	18.3
10 28	3 29.54	− 3 53.0	1.318	2.253	11.2	18.2
11 7	3 21.34	− 5 4.6	1.326	2.272	9.7	18.1
11 17	3 12.72	− 5 48.5	1.358	2.292	10.6	18.2
11 27	3 4.94	− 6 0.8	1.414	2.312	13.0	18.4
12 7	2 59.03	− 5 42.6	1.491	2.333	15.8	18.7
12 17	2 55.59	− 4 58.1	1.588	2.354	18.4	18.9

412825 2014 PK_{41} 11 13.6 313°.41 3°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.21	+28 4.7	2.038	2.830	14.6	20.9
10 18	3 37.67	+28 25.9	1.947	2.822	11.7	20.7
10 28	3 30.69	+28 34.7	1.879	2.814	8.4	20.5
11 7	3 21.92	+28 29.6	1.835	2.806	5.0	20.3
11 17	3 12.32	+28 10.6	1.819	2.798	3.5	20.2
11 27	3 3.09	+27 40.6	1.832	2.791	5.9	20.3
12 7	2 55.30	+27 4.6	1.872	2.783	9.4	20.5
12 17	2 49.78	+26 28.1	1.937	2.776	12.7	20.7

452985 2007 FZ_{31} 11 13.6 177°.83 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.49	+20 58.7	2.802	3.599	10.9	22.6
10 18	3 35.45	+20 42.7	2.715	3.601	8.4	22.4
10 28	3 28.78	+20 19.7	2.653	3.602	5.5	22.2
11 7	3 21.02	+19 50.7	2.620	3.603	2.3	22.0
11 17	3 12.84	+19 17.6	2.616	3.603	1.1	21.9
11 27	3 4.97	+18 43.3	2.644	3.603	4.3	22.2
12 7	2 58.12	+18 11.2	2.701	3.602	7.3	22.4
12 17	2 52.81	+17 44.0	2.785	3.601	9.9	22.6

359935 2011 YX_{17} 11 13.6 236°.01 2°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.42	+10 51.0	2.167	2.986	12.9	21.3
10 18	3 38.14	+10 40.0	2.080	2.978	9.9	21.1
10 28	3 30.76	+10 28.1	2.017	2.970	6.6	20.9
11 7	3 21.90	+10 17.7	1.981	2.962	3.3	20.7
11 17	3 12.37	+10 11.4	1.974	2.954	3.2	20.7
11 27	3 3.18	+10 11.8	1.997	2.945	6.5	20.8
12 7	2 55.23	+10 21.0	2.048	2.936	10.0	21.0
12 17	2 49.21	+10 40.2	2.124	2.927	13.1	21.2

515055 2010 JA_{31} 11 13.6 165°.50 1°.2/12.7 18

10 8	3 43.84	+15 24.3	2.462	3.269	11.9	22.9
10 18	3 38.11	+15 2.9	2.382	3.275	9.1	22.8
10 28	3 30.54	+14 37.0	2.327	3.280	5.8	22.6
11 7	3 21.75	+14 8.7	2.301	3.285	2.4	22.4
11 17	3 12.49	+13 40.4	2.305	3.289	2.0	22.3
11 27	3 3.63	+13 15.5	2.340	3.292	5.3	22.6
12 7	2 55.96	+12 56.8	2.404	3.295	8.6	22.8
12 17	2 50.05	+12 46.5	2.494	3.297	11.4	23.0

82216 2001 HL_{53} 11 13.6 135°.93 2°.6/12.3 18

10 8	3 46.58	+12 44.1	1.721	2.546	15.5	20.2
10 18	3 40.85	+12 19.8	1.654	2.555	11.8	19.9
10 28	3 32.60	+11 52.1	1.609	2.565	7.7	19.7
11 7	3 22.63	+11 24.4	1.590	2.573	3.6	19.5
11 17	3 12.04	+11 0.4	1.600	2.581	3.5	19.5
11 27	3 2.10	+10 44.2	1.639	2.589	7.4	19.8
12 7	2 53.87	+10 38.9	1.704	2.596	11.4	20.0
12 17	2 48.07	+10 46.1	1.792	2.603	14.8	20.3

117986 3176 $T\text{-}_1$ 11 13.6 242°.27 1°.6/12.5 18

10 8	3 41.86	+16 0.3	2.025	2.846	13.6	20.6
10 18	3 37.13	+15 23.3	1.936	2.836	10.5	20.4
10 28	3 30.20	+14 39.4	1.870	2.826	6.8	20.1
11 7	3 21.70	+13 51.4	1.831	2.816	2.9	19.9
11 17	3 12.52	+13 3.2	1.821	2.805	2.5	19.8
11 27	3 3.70	+12 19.7	1.840	2.794	6.4	20.0
12 7	2 56.23	+11 45.4	1.887	2.782	10.3	20.3
12 17	2 50.80	+11 23.5	1.958	2.771	13.7	20.5

442307 2011 SC_{67} 11 13.6 24°.26 2°.7/14.9 18

10 8	3 42.42	+24 57.1	1.475	2.298	17.7	20.4
10 18	3 38.35	+25 10.6	1.410	2.305	13.9	20.2
10 28	3 31.31	+25 10.1	1.365	2.314	9.5	19.9
11 7	3 22.20	+24 55.0	1.343	2.322	4.9	19.7
11 17	3 12.30	+24 27.0	1.347	2.332	2.9	19.6
11 27	3 3.10	+23 51.0	1.378	2.342	6.7	19.8
12 7	2 55.90	+23 13.6	1.435	2.353	11.1	20.1
12 17	2 51.50	+22 41.0	1.514	2.365	15.0	20.4

60177 1999 VU_6 11 13.6 225°.73 0°.2/13.5 18

10 8	3 45.98	+19 1.5	1.674	2.494	16.1	19.0
10 18	3 40.82	+18 51.5	1.589	2.488	12.4	18.7
10 28	3 32.86	+18 32.5	1.527	2.481	8.1	18.5
11 7	3 22.86	+18 5.9	1.489	2.474	3.3	18.2
11 17	3 11.93	+17 34.4	1.480	2.467	1.8	18.0
11 27	3 1.48	+17 2.5	1.499	2.459	6.8	18.3
12 7	2 52.76	+16 35.7	1.544	2.451	11.4	18.6
12 17	2 46.66	+16 18.2	1.613	2.442	15.3	18.8

380331 2002 OA_{17} 11 13.6 27°.60 7°.8/18.7 18

10 8	3 40.94	+37 41.3	0.995	1.812	24.7	19.0
10 18	3 38.52	+37 36.0	0.948	1.828	20.5	18.8
10 28	3 31.89	+36 53.8	0.917	1.845	15.6	18.6
11 7	3 22.46	+35 32.4	0.904	1.864	10.8	18.4
11 17	3 12.26	+33 36.4	0.912	1.885	7.9	18.3
11 27	3 3.51	+31 19.0	0.944	1.906	9.4	18.5
12 7	2 57.80	+28 58.3	0.999	1.929	13.4	18.8
12 17	2 55.82	+26 49.6	1.075	1.953	17.6	19.1

518823 2010 CD_{140} 11 13.6 227°.18 7°.2/20.1 18

10 8	3 45.11	+44 1.2	2.651	3.345	13.9	21.2
10 18	3 39.72	+44 29.7	2.556	3.340	12.1	21.1
10 28	3 31.92	+44 39.9	2.481	3.335	10.1	20.9
11 7	3 22.41	+44 28.3	2.429	3.330	8.3	20.8
11 17	3 12.18	+43 53.6	2.404	3.325	7.3	20.7
11 27	3 2.39	+42 57.7	2.406	3.319	7.5	20.8
12 7	2 54.10	+41 45.5	2.435	3.314	9.0	20.8
12 17	2 48.06	+40 24.1	2.490	3.308	10.9	21.0

436412 2011 AO_{20} 11 13.6 276°.70 3°.4/12.1 18

10 8	3 45.41	+11 8.1	1.513	2.349	16.7	21.3
10 18	3 40.68	+10 49.3	1.426	2.333	13.0	21.1
10 28	3 32.96	+10 28.3	1.360	2.317	8.6	20.8
11 7	3 22.97	+10 8.8	1.319	2.301	4.4	20.5
11 17	3 11.86	+ 9 55.0	1.305	2.285	4.3	20.5
11 27	3 1.12	+ 9 51.4	1.317	2.269	8.7	20.7
12 7	2 52.14	+10 1.1	1.355	2.252	13.4	20.9
12 17	2 45.91	+10 25.7	1.415	2.236	17.5	21.1

38573 1999 WA_1 11 13.6 352°.91 5°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.18	+ 2 40.2	1.956	2.781	13.9	17.1
10 18	3 37.28	+ 2 20.4	1.884	2.779	10.9	16.9
10 28	3 30.23	+ 2 6.3	1.835	2.778	7.9	16.7
11 7	3 21.70	+ 2 2.0	1.811	2.776	5.8	16.6
11 17	3 12.59	+ 2 10.7	1.816	2.775	6.1	16.6
11 27	3 3.90	+ 2 34.6	1.848	2.775	8.6	16.7
12 7	2 56.59	+ 3 13.9	1.906	2.774	11.6	16.9
12 17	2 51.29	+ 4 7.2	1.988	2.774	14.5	17.1

67688 2000 SX_{304} 11 13.6 140°.04 1°.3/14.3 18

10 8	3 47.23	+24 2.0	1.591	2.402	17.2	19.3
10 18	3 41.74	+23 38.4	1.519	2.411	13.4	19.1
10 28	3 33.36	+22 59.8	1.469	2.419	8.9	18.9
11 7	3 23.00	+22 7.5	1.444	2.426	4.0	18.6
11 17	3 11.93	+21 5.1	1.447	2.433	1.9	18.5
11 27	3 1.63	+19 59.3	1.478	2.440	6.6	18.8
12 7	2 53.31	+18 57.8	1.535	2.446	11.1	19.1
12 17	2 47.76	+18 6.9	1.617	2.452	15.0	19.3

329125 2011 CP_{64} 11 13.6 159°.05 0°.3/13.8 17

10 8	3 41.23	+19 20.3	2.622	3.424	11.4	21.1
10 18	3 36.14	+19 21.1	2.538	3.427	8.8	20.9
10 28	3 29.32	+19 16.3	2.479	3.430	5.7	20.7
11 7	3 21.30	+19 6.7	2.449	3.432	2.4	20.5
11 17	3 12.80	+18 53.5	2.448	3.435	1.2	20.4
11 27	3 4.63	+18 39.2	2.477	3.437	4.5	20.6
12 7	2 57.53	+18 26.6	2.536	3.439	7.7	20.9
12 17	2 52.07	+18 18.1	2.621	3.440	10.4	21.0

291250 2006 BB_{54} 11 13.6 251°.34 2°.0/12.0 18

10 8	3 39.50	+13 5.0	2.561	3.378	11.2	21.5
10 18	3 34.90	+12 33.5	2.466	3.364	8.6	21.3
10 28	3 28.57	+11 58.5	2.396	3.350	5.6	21.1
11 7	3 21.03	+11 22.5	2.353	3.335	2.7	20.9
11 17	3 12.94	+10 48.6	2.341	3.321	2.7	20.8
11 27	3 5.11	+10 20.2	2.359	3.306	5.7	21.0
12 7	2 58.27	+10 0.1	2.404	3.291	8.8	21.2
12 17	2 53.01	+ 9 50.3	2.476	3.275	11.6	21.4

479378 2013 XA_{25} 11 13.6 299°.13 1°.4/14.1 18

10 8	3 45.10	+20 57.4	1.434	2.263	17.8	21.2
10 18	3 40.84	+21 16.2	1.346	2.248	14.0	20.9
10 28	3 33.29	+21 25.7	1.279	2.233	9.4	20.6
11 7	3 23.19	+21 25.1	1.234	2.218	4.3	20.3
11 17	3 11.77	+21 15.0	1.216	2.203	2.2	20.1
11 27	3 0.71	+20 59.1	1.225	2.188	7.4	20.4
12 7	2 51.59	+20 43.0	1.258	2.174	12.6	20.6
12 17	2 45.54	+20 32.3	1.313	2.160	17.1	20.9

33998 2000 OW_3 11 13.6 101°.47 0°.7/13.2 18

10 8	3 47.31	+19 45.3	1.433	2.260	17.9	18.8
10 18	3 41.81	+19 4.0	1.375	2.277	13.7	18.6
10 28	3 33.36	+18 10.7	1.337	2.294	8.8	18.3
11 7	3 22.97	+17 8.8	1.325	2.310	3.5	18.1
11 17	3 12.01	+16 3.9	1.339	2.326	2.2	18.0
11 27	3 1.97	+15 3.4	1.382	2.341	7.3	18.4
12 7	2 54.06	+14 14.1	1.450	2.356	12.0	18.7
12 17	2 49.01	+13 40.2	1.541	2.371	15.9	19.0

365319 2009 SW_{99} 11 13.6 44°.12 1°.1/14.3 17

10 8	3 41.43	+23 27.2	1.740	2.557	15.7	20.3
10 18	3 36.89	+23 3.2	1.685	2.580	12.1	20.1
10 28	3 29.98	+22 26.8	1.652	2.603	7.9	19.9
11 7	3 21.57	+21 39.9	1.644	2.627	3.5	19.7
11 17	3 12.74	+20 46.3	1.664	2.651	1.6	19.6
11 27	3 4.66	+19 51.6	1.712	2.675	5.8	20.0
12 7	2 58.28	+19 1.6	1.788	2.700	9.7	20.3
12 17	2 54.20	+18 20.9	1.887	2.725	13.1	20.5

351065 2003 SX_{405} 11 13.6 255°.88 1°.5/12.9 18

10 8	3 46.42	+13 16.6	1.890	2.709	14.5	20.7
10 18	3 40.86	+13 27.6	1.802	2.700	11.2	20.4
10 28	3 32.77	+13 37.0	1.737	2.691	7.3	20.2
11 7	3 22.83	+13 46.1	1.698	2.682	3.1	19.9
11 17	3 12.02	+13 56.4	1.688	2.673	2.4	19.8
11 27	3 1.54	+14 10.1	1.708	2.663	6.6	20.1
12 7	2 52.54	+14 29.2	1.755	2.653	10.7	20.3
12 17	2 45.85	+14 55.5	1.826	2.644	14.3	20.5

353662 2011 UE_{175} 11 13.6 50°.55 3°.2/15.5 18

10 8	3 43.91	+27 18.9	1.777	2.578	16.1	20.8
10 18	3 39.12	+27 32.4	1.703	2.584	12.8	20.6
10 28	3 31.67	+27 31.8	1.650	2.590	9.0	20.4
11 7	3 22.36	+27 16.1	1.622	2.596	5.1	20.1
11 17	3 12.30	+26 46.3	1.621	2.602	3.3	20.1
11 27	3 2.84	+26 6.5	1.648	2.609	6.2	20.2
12 7	2 55.12	+25 22.8	1.702	2.616	10.0	20.5
12 17	2 49.92	+24 41.5	1.780	2.623	13.5	20.7

486982 2014 NW_{34} 11 13.6 48°.32 4°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.66	+ 4 9.8	1.810	2.634	14.9	20.0
10 18	3 39.79	+ 4 6.3	1.762	2.658	11.5	19.9
10 28	3 31.71	+ 4 8.3	1.736	2.683	8.0	19.7
11 7	3 22.26	+ 4 19.0	1.737	2.708	5.2	19.6
11 17	3 12.43	+ 4 40.5	1.766	2.734	5.3	19.7
11 27	3 3.32	+ 5 14.1	1.824	2.759	8.0	19.9
12 7	2 55.84	+ 5 59.1	1.908	2.785	11.2	20.1
12 17	2 50.57	+ 6 54.4	2.016	2.811	14.0	20.4

294072 2007 TN_{177} 11 13.6 18°.11 0°.5/13.8 18

10 8	3 43.30	+19 33.6	1.560	2.388	16.6	20.1
10 18	3 38.85	+19 41.4	1.489	2.391	12.9	19.9
10 28	3 31.60	+19 40.8	1.439	2.395	8.4	19.7
11 7	3 22.37	+19 32.4	1.414	2.398	3.5	19.4
11 17	3 12.32	+19 18.2	1.415	2.403	1.7	19.3
11 27	3 2.86	+19 2.1	1.444	2.407	6.6	19.6
12 7	2 55.23	+18 48.7	1.499	2.413	11.1	19.9
12 17	2 50.25	+18 42.1	1.577	2.418	15.0	20.1

154047 2002 CG_{116} 11 13.6 73°.38 0°.5/13.9 18

10 8	3 41.29	+21 2.5	2.097	2.909	13.6	20.4
10 18	3 36.63	+20 50.3	2.017	2.910	10.5	20.2
10 28	3 29.84	+20 29.3	1.960	2.912	6.9	20.0
11 7	3 21.59	+20 0.6	1.930	2.914	2.9	19.7
11 17	3 12.74	+19 26.6	1.928	2.915	1.4	19.6
11 27	3 4.34	+18 51.2	1.956	2.917	5.4	19.9
12 7	2 57.29	+18 18.8	2.011	2.919	9.1	20.2
12 17	2 52.25	+17 53.1	2.092	2.921	12.3	20.4

139490 2001 PY_{23} 11 13.6 98°.41 0°.7/13.2 18

10 8	3 44.47	+16 35.8	1.969	2.786	14.1	20.0
10 18	3 39.06	+16 35.2	1.899	2.796	10.8	19.8
10 28	3 31.39	+16 29.6	1.851	2.806	7.0	19.6
11 7	3 22.20	+16 20.3	1.831	2.815	2.8	19.4
11 17	3 12.44	+16 9.3	1.839	2.825	1.7	19.3
11 27	3 3.20	+15 59.7	1.876	2.835	5.9	19.6
12 7	2 55.45	+15 54.6	1.942	2.844	9.7	19.8
12 17	2 49.85	+15 56.5	2.032	2.853	12.9	20.1

221427 2005 YD_{216} 11 13.6 84°.26 1°.5/14.6 18

10 8	3 41.78	+23 49.6	2.180	2.982	13.4	21.2
10 18	3 36.95	+23 48.1	2.102	2.987	10.5	21.1
10 28	3 30.02	+23 36.5	2.046	2.992	7.0	20.9
11 7	3 21.65	+23 15.3	2.017	2.997	3.4	20.6
11 17	3 12.72	+22 46.2	2.017	3.002	1.8	20.5
11 27	3 4.23	+22 12.5	2.046	3.007	5.1	20.8
12 7	2 57.10	+21 38.6	2.103	3.013	8.6	21.0
12 17	2 51.96	+21 8.9	2.186	3.018	11.7	21.2

71539 VanZandt 11 13.6 345°.94 3°.8/16.5 17

10 8	3 40.65	+31 32.4	2.166	2.945	14.2	19.0
10 18	3 36.30	+31 29.2	2.079	2.943	11.5	18.8
10 28	3 29.71	+31 10.2	2.014	2.941	8.4	18.6
11 7	3 21.56	+30 34.6	1.974	2.939	5.4	18.5
11 17	3 12.77	+29 43.7	1.962	2.937	3.8	18.4
11 27	3 4.44	+28 41.4	1.978	2.936	5.7	18.5
12 7	2 57.54	+27 33.9	2.023	2.935	8.8	18.7
12 17	2 52.76	+26 27.7	2.093	2.934	11.8	18.9

294663 2008 AC_{86} 11 13.6 184°.24 1°.6/14.6 18

10 8	3 43.06	+23 45.6	2.090	2.892	13.9	21.0
10 18	3 38.07	+23 44.7	2.007	2.892	10.9	20.8
10 28	3 30.83	+23 33.4	1.946	2.892	7.3	20.6
11 7	3 22.01	+23 12.0	1.911	2.892	3.5	20.4
11 17	3 12.53	+22 41.9	1.906	2.891	1.9	20.2
11 27	3 3.49	+22 6.8	1.929	2.891	5.4	20.5
12 7	2 55.86	+21 31.4	1.981	2.890	9.1	20.7
12 17	2 50.35	+21 0.3	2.058	2.889	12.4	20.9

15038 1998 WQ_6 11 13.6 353°.53 1°.8/14.4 18

10 8	3 39.02	+22 12.5	1.097	1.951	20.4	17.6
10 18	3 36.74	+22 24.8	1.029	1.944	16.0	17.3
10 28	3 30.85	+22 22.8	0.979	1.938	10.8	17.0
11 7	3 22.24	+22 6.6	0.950	1.934	5.0	16.6
11 17	3 12.39	+21 38.4	0.944	1.931	2.5	16.5
11 27	3 3.23	+21 4.3	0.962	1.929	8.1	16.8
12 7	2 56.43	+20 32.3	1.002	1.929	13.7	17.1
12 17	2 53.06	+20 9.3	1.062	1.931	18.5	17.4

348291 2004 XT_{99} 11 13.6 15°.54 2°.9/12.5 18

10 8	3 40.04	+12 59.9	1.120	1.983	19.4	19.1
10 18	3 36.96	+12 45.7	1.068	1.990	14.9	18.9
10 28	3 30.61	+12 27.8	1.034	1.998	9.6	18.6
11 7	3 22.00	+12 10.6	1.023	2.008	4.4	18.4
11 17	3 12.58	+11 58.6	1.036	2.019	4.0	18.4
11 27	3 4.02	+11 56.7	1.073	2.032	8.9	18.7
12 7	2 57.71	+12 7.9	1.132	2.046	13.9	19.0
12 17	2 54.46	+12 33.2	1.212	2.062	18.0	19.3

362915 2012 CS_{40} 11 13.6 0°.75 2°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 32.18	+ 5 53.8	4.225	5.039	7.2	20.9
10 18	3 28.67	+ 5 26.9	4.146	5.039	5.5	20.7
10 28	3 24.25	+ 5 1.1	4.094	5.039	3.9	20.6
11 7	3 19.24	+ 4 38.3	4.071	5.039	2.7	20.5
11 17	3 13.99	+ 4 20.4	4.078	5.039	2.9	20.6
11 27	3 8.92	+ 4 8.8	4.115	5.039	4.4	20.7
12 7	3 4.40	+ 4 4.8	4.181	5.040	6.0	20.8
12 17	3 0.73	+ 4 8.6	4.273	5.040	7.6	20.9

129064 Jeanneladewig 11 13.6 294°.65 2°.2/15.3 17

10 8	3 39.97	+27 13.3	2.167	2.963	13.7	19.8
10 18	3 35.81	+26 53.7	2.067	2.947	10.9	19.6
10 28	3 29.44	+26 19.9	1.990	2.931	7.6	19.4
11 7	3 21.48	+25 32.3	1.938	2.915	4.0	19.1
11 17	3 12.82	+24 32.8	1.915	2.899	2.3	19.0
11 27	3 4.49	+23 26.0	1.921	2.883	5.3	19.2
12 7	2 57.47	+22 17.9	1.955	2.868	9.0	19.4
12 17	2 52.49	+21 14.7	2.015	2.852	12.4	19.5

66602 1999 RH_{187} 11 13.6 83°.43 2°.2/12.4 18

10 8	3 45.36	+13 45.7	1.713	2.539	15.5	19.0
10 18	3 39.81	+13 19.9	1.657	2.560	11.8	18.9
10 28	3 31.87	+12 50.1	1.624	2.580	7.6	18.7
11 7	3 22.38	+12 19.7	1.616	2.600	3.4	18.4
11 17	3 12.42	+11 52.4	1.637	2.619	3.1	18.5
11 27	3 3.20	+11 32.3	1.686	2.639	7.0	18.8
12 7	2 55.70	+11 22.5	1.762	2.658	10.9	19.0
12 17	2 50.57	+11 24.8	1.862	2.677	14.2	19.3

443146 2014 BY_{44} 11 13.6 236°.49 1°.8/12.5 18

10 8	3 43.78	+15 12.1	1.902	2.724	14.3	22.3
10 18	3 38.80	+14 42.4	1.814	2.714	11.0	22.0
10 28	3 31.41	+14 6.4	1.748	2.704	7.2	21.8
11 7	3 22.29	+13 27.1	1.709	2.693	3.1	21.5
11 17	3 12.40	+12 48.1	1.698	2.681	2.7	21.5
11 27	3 2.88	+12 14.3	1.716	2.669	6.8	21.7
12 7	2 54.81	+11 49.8	1.761	2.657	10.9	21.9
12 17	2 48.96	+11 37.7	1.831	2.645	14.4	22.1

434524 2005 SZ_{215} 11 13.6 63°.02 0°.9/14.1 18

10 8	3 44.50	+23 15.0	1.404	2.230	18.3	20.8
10 18	3 39.84	+22 43.4	1.345	2.246	14.1	20.6
10 28	3 32.19	+21 56.3	1.307	2.261	9.3	20.4
11 7	3 22.57	+20 56.2	1.293	2.277	4.0	20.1
11 17	3 12.34	+19 48.1	1.305	2.293	1.8	20.0
11 27	3 3.01	+18 39.8	1.345	2.309	6.9	20.4
12 7	2 55.82	+17 39.1	1.410	2.325	11.6	20.7
12 17	2 51.46	+16 51.8	1.498	2.341	15.6	21.0

113039 2002 RH_{49} 11 13.6 112°.22 3°.5/11.7 17

10 8	3 46.58	+11 32.0	1.647	2.475	15.9	20.1
10 18	3 40.84	+10 47.2	1.589	2.492	12.1	19.9
10 28	3 32.57	+ 9 59.6	1.554	2.509	8.0	19.7
11 7	3 22.68	+ 9 13.7	1.544	2.525	4.2	19.5
11 17	3 12.28	+ 8 34.8	1.563	2.540	4.3	19.6
11 27	3 2.64	+ 8 7.4	1.610	2.555	8.0	19.8
12 7	2 54.79	+ 7 54.8	1.683	2.569	11.9	20.1
12 17	2 49.41	+ 7 58.0	1.779	2.583	15.2	20.4

305809 2009 DQ_{100} 11 13.6 124°.80 0°.3/13.8 18

10 8	3 44.38	+19 33.6	2.090	2.898	13.7	20.9
10 18	3 38.92	+19 31.9	2.016	2.908	10.5	20.7
10 28	3 31.29	+19 23.0	1.965	2.916	6.9	20.5
11 7	3 22.18	+19 7.7	1.941	2.925	2.8	20.3
11 17	3 12.51	+18 48.1	1.946	2.933	1.4	20.2
11 27	3 3.34	+18 27.3	1.981	2.941	5.4	20.5
12 7	2 55.58	+18 9.2	2.045	2.949	9.1	20.7
12 17	2 49.92	+17 56.8	2.133	2.957	12.3	20.9

181696 3113 $T\text{-}_3$ 11 13.6 40°.05 4°.2/15.1 18

10 8	3 49.59	+24 30.7	1.093	1.928	21.8	19.2
10 18	3 44.60	+25 31.6	1.048	1.949	17.2	19.0
10 28	3 35.70	+26 17.6	1.021	1.970	11.9	18.7
11 7	3 24.08	+26 44.8	1.016	1.993	6.5	18.5
11 17	3 11.58	+26 52.4	1.034	2.017	4.4	18.5
11 27	3 0.30	+26 44.3	1.078	2.041	8.3	18.8
12 7	2 51.87	+26 28.4	1.145	2.066	13.0	19.1
12 17	2 47.17	+26 12.6	1.233	2.091	17.2	19.5

24872 1996 GT_{19} 11 13.6 319°.90 2°.6/11.7 18

10 8	3 38.34	+13 37.6	2.099	2.927	12.9	18.3
10 18	3 34.32	+12 44.8	2.018	2.922	9.9	18.1
10 28	3 28.34	+11 46.7	1.961	2.917	6.4	17.9
11 7	3 21.00	+10 47.2	1.931	2.913	3.2	17.7
11 17	3 13.12	+ 9 51.0	1.929	2.908	3.4	17.7
11 27	3 5.63	+ 9 3.0	1.957	2.904	6.7	17.9
12 7	2 59.37	+ 8 27.2	2.011	2.899	10.1	18.1
12 17	2 54.96	+ 8 5.9	2.090	2.895	13.2	18.3

201720 2003 UO_{189} 11 13.6 48°.14 1°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.46	+24 1.8	2.094	2.898	13.8	20.6
10 18	3 36.77	+24 5.2	2.022	2.908	10.8	20.4
10 28	3 29.93	+23 58.4	1.973	2.918	7.3	20.2
11 7	3 21.64	+23 41.7	1.949	2.929	3.6	20.0
11 17	3 12.81	+23 16.6	1.954	2.939	2.0	19.9
11 27	3 4.47	+22 46.5	1.988	2.950	5.2	20.2
12 7	2 57.54	+22 15.9	2.050	2.961	8.7	20.4
12 17	2 52.65	+21 49.0	2.137	2.972	11.8	20.6

221924 2009 OE_5 11 13.6 113°.66 0°.9/14.1 17

10 8	3 47.41	+21 47.8	1.585	2.401	17.0	21.1
10 18	3 41.87	+21 39.9	1.518	2.413	13.2	20.9
10 28	3 33.47	+21 20.3	1.472	2.424	8.7	20.7
11 7	3 23.13	+20 50.0	1.452	2.435	3.8	20.4
11 17	3 12.09	+20 11.8	1.459	2.446	1.8	20.3
11 27	3 1.79	+19 31.1	1.495	2.457	6.5	20.6
12 7	2 53.47	+18 53.8	1.557	2.467	11.0	20.9
12 17	2 47.88	+18 25.2	1.642	2.477	14.8	21.2

185731 1998 VO_5 11 13.6 35°.85 0°.3/13.7 18

10 8	3 51.35	+16 9.0	0.928	1.784	23.1	18.3
10 18	3 45.78	+17 0.2	0.899	1.816	17.6	18.1
10 28	3 36.24	+17 44.7	0.888	1.849	11.3	17.9
11 7	3 24.21	+18 21.4	0.898	1.884	4.5	17.6
11 17	3 11.67	+18 50.3	0.932	1.919	2.2	17.6
11 27	3 0.74	+19 14.2	0.990	1.956	8.4	18.1
12 7	2 52.90	+19 37.3	1.071	1.993	13.7	18.5
12 17	2 48.84	+20 3.5	1.173	2.030	18.0	18.9

326898 2003 WL_{56} 11 13.6 90°.35 2°.1/15.4 18

10 8	3 40.51	+27 48.8	2.421	3.207	12.7	20.8
10 18	3 35.77	+27 25.6	2.344	3.217	10.0	20.6
10 28	3 29.16	+26 49.6	2.289	3.227	6.9	20.5
11 7	3 21.32	+26 1.6	2.261	3.237	3.7	20.3
11 17	3 13.06	+25 4.0	2.263	3.246	2.2	20.2
11 27	3 5.28	+24 1.0	2.295	3.256	4.7	20.4
12 7	2 58.77	+22 57.8	2.356	3.266	7.8	20.6
12 17	2 54.07	+21 59.3	2.443	3.275	10.7	20.8

486656 2013 QJ_{13} 11 13.6 200°.15 1°.7/14.9 18

10 8	3 42.32	+24 21.3	2.864	3.648	11.0	21.7
10 18	3 36.99	+24 32.2	2.770	3.644	8.6	21.5
10 28	3 29.93	+24 35.5	2.701	3.641	5.9	21.3
11 7	3 21.66	+24 30.9	2.660	3.637	3.0	21.1
11 17	3 12.86	+24 18.9	2.648	3.632	1.8	21.0
11 27	3 4.32	+24 1.7	2.668	3.628	4.3	21.2
12 7	2 56.79	+23 42.1	2.718	3.623	7.1	21.4
12 17	2 50.83	+23 23.3	2.795	3.617	9.7	21.6

272313 2005 SZ_{65} 11 13.6 21°.56 1°.7/13.1 18

10 8	3 43.37	+13 35.6	0.979	1.846	21.3	19.3
10 18	3 39.88	+13 56.4	0.934	1.858	16.3	19.1
10 28	3 32.68	+14 14.6	0.907	1.871	10.5	18.8
11 7	3 22.92	+14 32.0	0.901	1.887	4.4	18.5
11 17	3 12.28	+14 50.6	0.917	1.904	3.1	18.5
11 27	3 2.72	+15 13.3	0.958	1.922	8.8	18.9
12 7	2 55.81	+15 42.7	1.021	1.942	14.2	19.3
12 17	2 52.37	+16 20.3	1.103	1.963	18.7	19.6

457812 2009 RL_{49} 11 13.6 2°.08 3°.4/15.5 17

10 8	3 42.93	+26 50.4	1.942	2.740	15.0	20.8
10 18	3 38.32	+27 21.6	1.860	2.739	11.9	20.6
10 28	3 31.20	+27 41.3	1.801	2.739	8.5	20.3
11 7	3 22.27	+27 48.0	1.767	2.739	5.0	20.1
11 17	3 12.55	+27 41.5	1.760	2.740	3.4	20.0
11 27	3 3.24	+27 24.3	1.781	2.741	6.0	20.2
12 7	2 55.47	+27 0.9	1.830	2.742	9.5	20.4
12 17	2 50.03	+26 36.8	1.903	2.744	12.8	20.6

185751 1999 RE_{109} 11 13.6 2°.94 2°.9/15.1 18

10 8	3 41.12	+26 14.8	1.157	1.996	20.6	19.2
10 18	3 38.21	+26 7.6	1.090	1.995	16.3	19.0
10 28	3 31.71	+25 39.9	1.041	1.994	11.2	18.7
11 7	3 22.59	+24 51.7	1.014	1.995	5.7	18.4
11 17	3 12.40	+23 46.5	1.010	1.996	3.1	18.2
11 27	3 3.03	+22 32.8	1.032	1.999	7.8	18.5
12 7	2 56.08	+21 21.4	1.076	2.002	13.2	18.8
12 17	2 52.50	+20 21.5	1.141	2.006	17.8	19.1

3671 Dionysus 11 13.6 56°.38 6°.2/12.2 18

10 8	4 8.32	+ 4 24.3	1.128	1.943	22.5	19.2
10 18	3 56.75	+ 4 7.0	1.121	2.012	17.1	19.1
10 28	3 42.15	+ 3 57.7	1.133	2.079	11.5	19.0
11 7	3 26.22	+ 4 0.6	1.172	2.144	7.0	18.9
11 17	3 10.83	+ 4 18.1	1.238	2.207	6.8	19.1
11 27	2 57.68	+ 4 50.6	1.333	2.269	10.3	19.5
12 7	2 47.76	+ 5 36.4	1.453	2.329	14.1	19.8
12 17	2 41.41	+ 6 32.7	1.595	2.387	17.2	20.2

334258 2001 TK_{235} 11 13.6 37°.15 5°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.36	+ 8 16.7	1.307	2.157	18.0	19.9
10 18	3 39.02	+ 7 37.0	1.253	2.166	13.9	19.7
10 28	3 31.73	+ 6 58.4	1.220	2.176	9.4	19.4
11 7	3 22.47	+ 6 26.6	1.210	2.187	5.7	19.3
11 17	3 12.52	+ 6 7.3	1.225	2.198	6.0	19.3
11 27	3 3.39	+ 6 5.0	1.266	2.210	9.8	19.6
12 7	2 56.30	+ 6 21.2	1.330	2.223	13.9	19.8
12 17	2 52.01	+ 6 55.1	1.415	2.235	17.6	20.1

327089 2004 XT_{14} 11 13.6 343°.64 1°.5/14.5 17

10 8	3 43.20	+22 16.5	2.219	3.021	13.2	21.1
10 18	3 38.11	+22 35.7	2.135	3.020	10.3	20.9
10 28	3 30.87	+22 47.2	2.073	3.020	6.9	20.7
11 7	3 22.10	+22 50.7	2.039	3.019	3.3	20.5
11 17	3 12.66	+22 46.9	2.033	3.019	1.8	20.4
11 27	3 3.58	+22 37.9	2.057	3.018	5.1	20.6
12 7	2 55.79	+22 27.1	2.110	3.018	8.7	20.8
12 17	2 50.00	+22 18.2	2.187	3.018	11.8	21.0

378156 2006 VV_{146} 11 13.6 12°.02 3°.4/11.9 16

10 8	3 38.69	+15 12.8	1.057	1.924	20.0	21.0
10 18	3 36.16	+14 14.0	1.001	1.926	15.3	20.8
10 28	3 30.24	+13 5.0	0.965	1.930	9.9	20.5
11 7	3 21.95	+11 53.0	0.950	1.935	4.6	20.2
11 17	3 12.78	+10 46.6	0.959	1.941	4.7	20.3
11 27	3 4.50	+ 9 55.2	0.991	1.949	9.8	20.6
12 7	2 58.53	+ 9 25.0	1.045	1.957	15.0	20.9
12 17	2 55.71	+ 9 18.0	1.119	1.967	19.3	21.2

222030 1998 SF_{156} 11 13.6 54°.41 1°.7/14.4 18

10 8	3 46.22	+22 20.1	1.377	2.204	18.5	19.9
10 18	3 41.42	+22 30.4	1.314	2.214	14.4	19.6
10 28	3 33.42	+22 28.4	1.271	2.224	9.6	19.4
11 7	3 23.20	+22 14.1	1.252	2.235	4.4	19.1
11 17	3 12.14	+21 49.4	1.259	2.246	2.2	19.0
11 27	3 1.89	+21 19.5	1.293	2.257	7.0	19.3
12 7	2 53.83	+20 50.7	1.352	2.269	11.8	19.7
12 17	2 48.80	+20 28.8	1.433	2.280	15.9	19.9

53944 2000 GZ_{51} 11 13.6 325°.09 2°.5/12.4 18

10 8	3 41.34	+15 10.4	1.358	2.205	17.6	18.8
10 18	3 37.78	+14 32.2	1.282	2.196	13.6	18.5
10 28	3 31.19	+13 45.7	1.226	2.187	8.8	18.2
11 7	3 22.37	+12 55.1	1.194	2.179	3.9	17.9
11 17	3 12.56	+12 6.3	1.187	2.171	3.6	17.9
11 27	3 3.30	+11 26.2	1.207	2.164	8.6	18.2
12 7	2 55.96	+11 0.6	1.250	2.157	13.5	18.4
12 17	2 51.45	+10 52.7	1.315	2.151	17.8	18.7

71136 1999 XV_{178} 11 13.6 143°.32 3°.7/11.4 18

10 8	3 42.19	+ 6 12.9	2.448	3.263	11.7	19.4
10 18	3 36.90	+ 5 58.7	2.373	3.267	9.1	19.3
10 28	3 29.86	+ 5 46.7	2.323	3.270	6.3	19.1
11 7	3 21.64	+ 5 39.8	2.301	3.273	4.0	18.9
11 17	3 12.97	+ 5 40.4	2.308	3.276	4.2	19.0
11 27	3 4.66	+ 5 50.4	2.345	3.279	6.6	19.1
12 7	2 57.47	+ 6 10.9	2.410	3.282	9.3	19.3
12 17	2 51.94	+ 6 41.9	2.500	3.285	11.9	19.5

284489 2007 MJ_{16} 11 13.6 131°.25 1°.2/14.4 18

10 8	3 45.16	+23 49.8	2.026	2.826	14.4	21.9
10 18	3 39.59	+23 28.4	1.953	2.838	11.2	21.7
10 28	3 31.77	+22 55.2	1.903	2.850	7.4	21.5
11 7	3 22.43	+22 11.3	1.880	2.861	3.4	21.3
11 17	3 12.59	+21 19.6	1.885	2.872	1.6	21.2
11 27	3 3.33	+20 25.0	1.921	2.882	5.4	21.5
12 7	2 55.63	+19 32.9	1.985	2.892	9.2	21.7
12 17	2 50.13	+18 48.3	2.074	2.901	12.5	21.9

223947 2004 XB_{34} 11 13.6 15°.40 1°.6/14.8 18

10 8	3 39.84	+25 11.3	2.066	2.870	14.0	20.1
10 18	3 35.64	+24 48.6	1.985	2.872	10.9	19.9
10 28	3 29.28	+24 13.2	1.927	2.874	7.4	19.7
11 7	3 21.46	+23 26.1	1.895	2.876	3.6	19.4
11 17	3 13.07	+22 30.1	1.892	2.878	1.8	19.3
11 27	3 5.15	+21 30.1	1.918	2.880	5.3	19.5
12 7	2 58.63	+20 31.8	1.971	2.883	9.0	19.8
12 17	2 54.15	+19 40.3	2.050	2.886	12.2	20.0

89450 2001 WN_{98} 11 13.6 57°.99 3°.9/11.4 18

10 8	3 41.54	+ 9 2.9	1.866	2.698	14.2	19.6
10 18	3 36.87	+ 8 26.5	1.802	2.706	10.9	19.4
10 28	3 30.03	+ 7 50.0	1.760	2.713	7.3	19.2
11 7	3 21.75	+ 7 17.3	1.744	2.722	4.3	19.1
11 17	3 12.94	+ 6 52.8	1.757	2.730	4.6	19.1
11 27	3 4.66	+ 6 39.9	1.797	2.738	7.7	19.3
12 7	2 57.84	+ 6 41.0	1.864	2.747	11.1	19.5
12 17	2 53.09	+ 6 56.3	1.953	2.755	14.1	19.8

221788 2007 YC_{30} 11 13.6 186°.37 15°.2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 59.95	+51 4.9	1.383	2.080	24.4	20.5
10 18	3 54.43	+52 33.2	1.310	2.080	22.1	20.3
10 28	3 43.29	+53 29.3	1.251	2.080	19.5	20.2
11 7	3 27.62	+53 40.0	1.208	2.079	17.1	20.0
11 17	3 9.88	+52 55.9	1.185	2.078	15.5	19.9
11 27	2 53.41	+51 17.8	1.183	2.076	15.3	19.9
12 7	2 40.98	+48 59.1	1.202	2.074	16.7	20.0
12 17	2 33.96	+46 19.1	1.243	2.071	19.1	20.1

220008 2002 PX_{101} 11 13.6 60°.73 2°.3/12.4 15

10 8	3 46.58	+17 7.0	1.234	2.076	19.3	20.2
10 18	3 41.35	+16 5.0	1.193	2.105	14.6	20.0
10 28	3 33.07	+14 53.5	1.174	2.134	9.3	19.8
11 7	3 22.93	+13 38.6	1.178	2.163	3.9	19.6
11 17	3 12.42	+12 27.8	1.208	2.192	3.5	19.6
11 27	3 3.09	+11 29.2	1.265	2.221	8.4	20.0
12 7	2 56.09	+10 48.1	1.346	2.249	12.9	20.4
12 17	2 52.04	+10 26.9	1.448	2.278	16.7	20.7

127515 Nitta 11 13.6 138°.36 3°.5/11.4 18

10 8	3 42.30	+ 9 53.0	2.029	2.854	13.5	20.3
10 18	3 37.31	+ 9 11.5	1.959	2.859	10.3	20.1
10 28	3 30.26	+ 8 28.6	1.912	2.865	6.9	19.9
11 7	3 21.84	+ 7 48.3	1.893	2.870	4.0	19.7
11 17	3 12.90	+ 7 14.8	1.902	2.875	4.2	19.8
11 27	3 4.45	+ 6 52.0	1.940	2.880	7.3	20.0
12 7	2 57.35	+ 6 42.4	2.005	2.885	10.6	20.2
12 17	2 52.22	+ 6 47.0	2.093	2.889	13.5	20.4

112847 2002 QA_{21} 11 13.6 132°.30 4°.8/16.4 18

10 8	3 45.55	+31 14.6	1.891	2.672	16.0	19.9
10 18	3 40.51	+31 42.6	1.809	2.672	13.0	19.7
10 28	3 32.72	+31 55.0	1.748	2.673	9.6	19.5
11 7	3 22.95	+31 49.4	1.711	2.673	6.3	19.3
11 17	3 12.31	+31 25.3	1.701	2.674	4.8	19.2
11 27	3 2.18	+30 45.9	1.719	2.674	6.7	19.3
12 7	2 53.76	+29 57.5	1.765	2.674	10.0	19.5
12 17	2 47.93	+29 7.0	1.835	2.675	13.3	19.7

7740 Petit 11 13.6 98°.54 3°.4/15.3 18

10 8	3 49.06	+26 13.8	1.600	2.403	17.5	17.2
10 18	3 43.34	+26 40.9	1.533	2.415	13.8	17.0
10 28	3 34.57	+26 54.2	1.486	2.427	9.6	16.8
11 7	3 23.68	+26 52.0	1.464	2.439	5.4	16.6
11 17	3 11.97	+26 34.6	1.469	2.451	3.5	16.5
11 27	3 1.00	+26 5.8	1.502	2.463	6.7	16.7
12 7	2 52.08	+25 32.1	1.562	2.475	10.8	17.0
12 17	2 46.07	+25 0.1	1.645	2.486	14.5	17.3

12835 Stropek 11 13.6 94°.81 5°.5/10.9 18

10 8	3 45.64	+ 7 23.3	1.504	2.340	16.7	17.8
10 18	3 40.35	+ 6 28.5	1.449	2.355	12.9	17.6
10 28	3 32.41	+ 5 34.8	1.417	2.368	8.9	17.4
11 7	3 22.72	+ 4 48.3	1.409	2.382	5.8	17.3
11 17	3 12.49	+ 4 14.9	1.428	2.396	6.3	17.4
11 27	3 3.04	+ 3 59.3	1.474	2.409	9.6	17.6
12 7	2 55.47	+ 4 3.2	1.544	2.422	13.3	17.8
12 17	2 50.47	+ 4 26.0	1.636	2.435	16.6	18.1

242496 2004 XP_{13} 11 13.6 7°.92 6°.0/17.3 18

10 8	3 41.81	+33 50.4	1.407	2.207	19.6	19.7
10 18	3 38.42	+33 58.8	1.335	2.208	16.1	19.5
10 28	3 31.70	+33 43.0	1.281	2.209	12.1	19.3
11 7	3 22.59	+33 0.5	1.249	2.212	8.1	19.1
11 17	3 12.53	+31 52.3	1.241	2.215	6.0	19.0
11 27	3 3.25	+30 25.3	1.259	2.219	7.9	19.1
12 7	2 56.21	+28 50.3	1.302	2.223	11.8	19.3
12 17	2 52.30	+27 18.4	1.368	2.229	15.7	19.6

306784 2001 FD_{102} 11 13.6 229°.08 3°.9/10.6 18

10 8	3 41.46	+10 24.5	2.175	2.998	12.7	21.4
10 18	3 36.68	+ 9 13.4	2.088	2.988	9.8	21.2
10 28	3 29.90	+ 7 58.1	2.025	2.977	6.7	21.0
11 7	3 21.73	+ 6 43.4	1.990	2.966	4.1	20.8
11 17	3 12.96	+ 5 35.0	1.985	2.954	4.6	20.8
11 27	3 4.55	+ 4 38.4	2.008	2.941	7.6	21.0
12 7	2 57.34	+ 3 57.4	2.060	2.928	10.9	21.2
12 17	2 51.99	+ 3 34.1	2.134	2.915	13.8	21.4

477378 2009 UP_{149} 11 13.6 344°.49 2°.0/14.5 18

10 8	3 38.12	+23 8.3	1.109	1.962	20.3	21.0
10 18	3 36.16	+23 14.2	1.035	1.949	16.0	20.7
10 28	3 30.61	+23 4.2	0.979	1.938	10.9	20.4
11 7	3 22.29	+22 38.1	0.944	1.928	5.2	20.0
11 17	3 12.64	+21 58.4	0.932	1.919	2.6	19.8
11 27	3 3.59	+21 11.8	0.944	1.912	8.1	20.2
12 7	2 56.84	+20 27.3	0.978	1.907	13.8	20.4
12 17	2 53.52	+19 52.9	1.032	1.903	18.8	20.7

169694 2002 LC_5 11 13.6 133°.07 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.73	+16 45.5	2.070	2.883	13.7	21.0
10 18	3 39.18	+16 30.1	1.998	2.894	10.4	20.8
10 28	3 31.48	+16 8.9	1.950	2.904	6.7	20.6
11 7	3 22.35	+15 43.9	1.929	2.913	2.7	20.3
11 17	3 12.69	+15 17.8	1.937	2.923	1.9	20.3
11 27	3 3.55	+14 54.2	1.975	2.932	5.8	20.6
12 7	2 55.83	+14 36.5	2.041	2.940	9.4	20.8
12 17	2 50.18	+14 27.3	2.132	2.948	12.6	21.0

477894 2011 KW_3 11 13.6 84°.09 2°.2/12.5 18

10 8	3 47.86	+13 1.2	1.749	2.570	15.4	21.0
10 18	3 41.62	+12 44.6	1.699	2.598	11.7	20.8
10 28	3 33.02	+12 25.2	1.671	2.625	7.5	20.7
11 7	3 22.92	+12 5.8	1.669	2.652	3.4	20.5
11 17	3 12.44	+11 49.5	1.697	2.679	3.0	20.5
11 27	3 2.75	+11 39.8	1.753	2.705	6.8	20.8
12 7	2 54.83	+11 39.2	1.836	2.730	10.6	21.1
12 17	2 49.29	+11 49.0	1.944	2.755	13.8	21.3

512202 2015 TW_{42} 11 13.6 81°.01 0°.6/13.9 18

10 8	3 43.22	+20 41.9	1.954	2.767	14.4	21.2
10 18	3 38.27	+20 38.4	1.881	2.774	11.1	21.0
10 28	3 31.02	+20 26.4	1.830	2.781	7.3	20.8
11 7	3 22.21	+20 6.7	1.805	2.789	3.1	20.5
11 17	3 12.79	+19 41.6	1.809	2.796	1.4	20.4
11 27	3 3.88	+19 14.5	1.842	2.804	5.6	20.7
12 7	2 56.47	+18 49.9	1.902	2.811	9.5	21.0
12 17	2 51.24	+18 31.6	1.987	2.818	12.8	21.2

414305 2008 RC_{43} 11 13.6 290°.09 5°.0/16.8 17

10 8	3 44.85	+33 5.2	2.392	3.151	13.6	21.1
10 18	3 39.60	+33 50.6	2.300	3.146	11.2	20.9
10 28	3 32.00	+34 23.5	2.230	3.141	8.6	20.7
11 7	3 22.68	+34 41.0	2.186	3.136	6.2	20.6
11 17	3 12.52	+34 41.6	2.170	3.131	5.1	20.5
11 27	3 2.65	+34 26.8	2.182	3.127	6.3	20.6
12 7	2 54.11	+34 0.4	2.222	3.122	8.8	20.7
12 17	2 47.69	+33 27.8	2.288	3.117	11.4	20.9

368046 2012 HR_{26} 11 13.6 272°.85 2°.3/11.9 18

10 8	3 38.73	+13 39.2	2.296	3.119	12.1	20.6
10 18	3 34.49	+12 51.8	2.214	3.116	9.3	20.4
10 28	3 28.43	+11 59.7	2.157	3.113	6.0	20.2
11 7	3 21.14	+11 6.4	2.127	3.109	3.0	20.0
11 17	3 13.35	+10 15.9	2.127	3.106	3.0	20.0
11 27	3 5.92	+ 9 32.4	2.156	3.103	6.1	20.2
12 7	2 59.63	+ 8 59.7	2.212	3.099	9.4	20.4
12 17	2 55.04	+ 8 39.7	2.293	3.096	12.3	20.6

136043 2002 WB_{14} 11 13.6 30°.22 2°.7/12.0 18

10 8	3 40.62	+14 2.5	1.689	2.526	15.2	19.9
10 18	3 36.48	+13 17.2	1.622	2.530	11.6	19.7
10 28	3 29.95	+12 26.2	1.577	2.535	7.5	19.5
11 7	3 21.79	+11 33.9	1.557	2.540	3.6	19.2
11 17	3 13.04	+10 45.5	1.565	2.546	3.5	19.2
11 27	3 4.85	+10 6.2	1.600	2.551	7.4	19.5
12 7	2 58.25	+ 9 40.4	1.661	2.558	11.4	19.7
12 17	2 53.92	+ 9 30.1	1.745	2.564	14.8	20.0

423278 2004 XU_{44} 11 13.6 22°.84 0°.2/13.7 18

10 8	3 43.63	+18 19.2	0.946	1.810	22.1	20.0
10 18	3 40.43	+18 32.5	0.897	1.818	17.1	19.8
10 28	3 33.27	+18 35.8	0.864	1.827	11.1	19.5
11 7	3 23.30	+18 30.3	0.852	1.838	4.5	19.2
11 17	3 12.29	+18 18.8	0.862	1.850	2.2	19.1
11 27	3 2.35	+18 7.1	0.896	1.863	8.7	19.5
12 7	2 55.20	+18 1.3	0.951	1.877	14.5	19.9
12 17	2 51.74	+18 5.8	1.026	1.892	19.3	20.2

273974 2007 LB_9 11 13.6 93°.43 2°.5/12.6 18

10 8	3 47.59	+11 44.2	1.710	2.534	15.6	20.2
10 18	3 41.67	+11 39.5	1.649	2.549	11.9	20.0
10 28	3 33.23	+11 33.6	1.610	2.564	7.8	19.8
11 7	3 23.11	+11 28.7	1.597	2.579	3.6	19.6
11 17	3 12.42	+11 27.6	1.612	2.594	3.3	19.6
11 27	3 2.40	+11 33.0	1.657	2.609	7.1	19.9
12 7	2 54.13	+11 47.0	1.728	2.623	11.1	20.2
12 17	2 48.31	+12 10.6	1.822	2.637	14.5	20.4

510122 2010 TK_{84} 11 13.6 330°.23 2°.1/14.4 18

10 8	3 44.13	+21 47.6	1.157	2.001	20.2	21.4
10 18	3 40.79	+22 14.3	1.081	1.990	16.0	21.1
10 28	3 33.68	+22 29.6	1.024	1.980	10.8	20.8
11 7	3 23.61	+22 32.1	0.988	1.971	5.1	20.5
11 17	3 12.08	+22 22.1	0.976	1.963	2.7	20.3
11 27	3 1.08	+22 3.9	0.988	1.955	8.2	20.6
12 7	2 52.46	+21 44.5	1.024	1.948	13.9	20.9
12 17	2 47.41	+21 30.8	1.079	1.942	18.8	21.2

155997 2001 RP_{16} 11 13.6 354°.25 6°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.07	+ 9 16.4	1.242	2.104	18.0	18.9
10 18	3 35.29	+ 7 35.2	1.179	2.099	14.0	18.7
10 28	3 29.54	+ 5 48.8	1.138	2.096	9.8	18.4
11 7	3 21.73	+ 4 7.5	1.120	2.094	6.8	18.3
11 17	3 13.11	+ 2 41.9	1.126	2.092	7.8	18.3
11 27	3 5.15	+ 1 41.5	1.157	2.092	11.6	18.5
12 7	2 59.14	+ 1 10.8	1.209	2.092	15.8	18.8
12 17	2 55.87	+ 1 9.9	1.281	2.093	19.5	19.0

223156 2002 XP_{35} 11 13.6 308°.61 5°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.38	+ 5 4.8	1.389	2.229	17.7	20.1
10 18	3 41.70	+ 4 55.0	1.308	2.214	14.0	19.8
10 28	3 33.84	+ 4 50.8	1.248	2.199	9.9	19.5
11 7	3 23.58	+ 4 57.4	1.211	2.185	6.3	19.3
11 17	3 12.12	+ 5 18.9	1.199	2.171	6.5	19.3
11 27	3 1.06	+ 5 57.9	1.214	2.158	10.2	19.4
12 7	2 51.88	+ 6 54.5	1.253	2.144	14.7	19.7
12 17	2 45.64	+ 8 6.9	1.313	2.132	18.8	19.9

288951 2004 SV_{60} 11 13.6 3°.98 2°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.81	+12 5.4	1.936	2.762	14.0	19.7
10 18	3 37.96	+12 5.6	1.860	2.762	10.7	19.5
10 28	3 30.87	+12 4.5	1.806	2.762	7.0	19.3
11 7	3 22.20	+12 4.3	1.779	2.762	3.2	19.1
11 17	3 12.87	+12 7.1	1.781	2.763	2.8	19.1
11 27	3 3.96	+12 15.4	1.811	2.764	6.5	19.3
12 7	2 56.45	+12 31.0	1.868	2.766	10.2	19.5
12 17	2 51.05	+12 55.2	1.949	2.767	13.5	19.7

103675 2000 CP_{59} 11 13.6 265°.21 5°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.87	+ 7 36.8	1.537	2.377	16.2	20.0
10 18	3 38.50	+ 6 31.2	1.464	2.372	12.7	19.8
10 28	3 31.44	+ 5 24.3	1.414	2.366	8.9	19.5
11 7	3 22.48	+ 4 22.9	1.388	2.361	6.0	19.3
11 17	3 12.73	+ 3 34.1	1.388	2.355	6.6	19.4
11 27	3 3.50	+ 3 4.0	1.415	2.349	10.0	19.6
12 7	2 55.99	+ 2 55.8	1.467	2.343	13.9	19.8
12 17	2 50.99	+ 3 9.7	1.539	2.337	17.4	20.0

193162 2000 KU_{8} 11 13.6 244°.55 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.03	+18 35.0	2.640	3.447	11.2	20.6
10 18	3 35.37	+18 21.9	2.546	3.437	8.6	20.4
10 28	3 28.99	+18 3.0	2.476	3.428	5.6	20.2
11 7	3 21.40	+17 39.4	2.434	3.418	2.3	20.0
11 17	3 13.28	+17 13.2	2.422	3.408	1.2	19.9
11 27	3 5.42	+16 47.2	2.440	3.398	4.7	20.1
12 7	2 58.56	+16 24.5	2.487	3.388	7.9	20.3
12 17	2 53.28	+16 7.8	2.560	3.378	10.7	20.5

428548 2008 CY_{43} 11 13.6 170°.88 3°.3/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.47	+11 1.1	1.883	2.704	14.5	22.0
10 18	3 40.72	+10 24.9	1.809	2.708	11.2	21.7
10 28	3 32.61	+ 9 46.2	1.758	2.711	7.4	21.5
11 7	3 22.89	+ 9 8.8	1.734	2.714	4.0	21.3
11 17	3 12.55	+ 8 37.0	1.739	2.716	4.0	21.3
11 27	3 2.73	+ 8 15.0	1.773	2.717	7.5	21.6
12 7	2 54.45	+ 8 5.8	1.834	2.718	11.2	21.8
12 17	2 48.41	+ 8 10.7	1.919	2.718	14.5	22.0

80428 1999 XM_{224} 11 13.6 222°.82 2°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.23	+25 15.2	1.815	2.616	15.8	19.9
10 18	3 41.04	+25 8.5	1.725	2.609	12.5	19.7
10 28	3 33.11	+24 48.1	1.656	2.601	8.5	19.5
11 7	3 23.19	+24 13.8	1.613	2.592	4.3	19.2
11 17	3 12.37	+23 27.3	1.598	2.584	2.3	19.0
11 27	3 2.01	+22 33.4	1.612	2.574	6.2	19.3
12 7	2 53.32	+21 38.7	1.654	2.565	10.4	19.5
12 17	2 47.17	+20 49.8	1.719	2.554	14.3	19.7

365901 2011 WS_{57} 11 13.6 254°.44 0°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.49	+20 11.2	2.163	2.974	13.2	21.9
10 18	3 36.90	+19 37.9	2.067	2.961	10.2	21.7
10 28	3 30.18	+18 54.9	1.995	2.948	6.7	21.4
11 7	3 21.94	+18 4.0	1.949	2.934	2.7	21.2
11 17	3 13.02	+17 8.6	1.933	2.920	1.5	21.1
11 27	3 4.42	+16 13.3	1.947	2.906	5.6	21.3
12 7	2 57.09	+15 23.3	1.988	2.891	9.4	21.5
12 17	2 51.72	+14 43.0	2.055	2.876	12.8	21.7

337067 1998 BU_{19} 11 13.7 343°.02 0°.6/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 36.73	+21 19.4	2.521	3.330	11.6	20.7
10 18	3 32.98	+21 8.5	2.431	3.323	9.0	20.5
10 28	3 27.50	+20 49.9	2.365	3.315	5.9	20.3
11 7	3 20.81	+20 24.8	2.325	3.309	2.6	20.1
11 17	3 13.61	+19 55.1	2.315	3.302	1.2	20.0
11 27	3 6.69	+19 23.8	2.335	3.296	4.6	20.2
12 7	3 0.79	+18 54.3	2.382	3.291	7.8	20.4
12 17	2 56.49	+18 30.0	2.455	3.286	10.7	20.6

140127 2001 SW_{141} 11 13.7 128°.79 2°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.60	+26 59.4	1.992	2.786	14.8	20.2
10 18	3 38.75	+27 6.1	1.910	2.787	11.7	20.0
10 28	3 31.47	+27 0.0	1.849	2.788	8.2	19.8
11 7	3 22.48	+26 40.3	1.814	2.789	4.6	19.6
11 17	3 12.77	+26 8.2	1.808	2.790	2.9	19.5
11 27	3 3.54	+25 27.3	1.830	2.791	5.7	19.7
12 7	2 55.83	+24 43.1	1.879	2.791	9.3	19.9
12 17	2 50.40	+24 1.4	1.954	2.792	12.7	20.1

42227 2001 DS_{93} 11 13.7 115°.74 4°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.67	+ 6 29.8	2.288	3.112	12.2	19.3
10 18	3 35.11	+ 5 37.8	2.220	3.118	9.4	19.1
10 28	3 28.79	+ 4 46.8	2.176	3.123	6.6	19.0
11 7	3 21.31	+ 4 1.1	2.159	3.128	4.6	18.8
11 17	3 13.40	+ 3 24.7	2.172	3.134	5.0	18.9
11 27	3 5.90	+ 3 1.2	2.213	3.139	7.4	19.0
12 7	2 59.55	+ 2 52.5	2.280	3.144	10.2	19.2
12 17	2 54.89	+ 2 58.9	2.372	3.149	12.7	19.4

139810 2001 RH_{21} 11 13.7 45°.58 2°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.70	+23 58.6	1.768	2.579	15.7	20.2
10 18	3 38.97	+24 7.5	1.696	2.586	12.3	19.9
10 28	3 31.67	+24 5.0	1.646	2.593	8.3	19.7
11 7	3 22.57	+23 50.8	1.621	2.601	4.1	19.5
11 17	3 12.76	+23 26.6	1.623	2.609	2.3	19.4
11 27	3 3.52	+22 56.0	1.654	2.617	5.9	19.6
12 7	2 55.97	+22 24.6	1.711	2.625	10.0	19.9
12 17	2 50.87	+21 57.4	1.793	2.633	13.5	20.2

28465 Janesmyth 11 13.7 178°.44 0°.8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.65	+18 5.2	1.994	2.805	14.2	18.7
10 18	3 40.09	+17 37.7	1.913	2.807	10.9	18.5
10 28	3 32.22	+17 2.3	1.856	2.809	7.0	18.3
11 7	3 22.77	+16 21.1	1.825	2.810	2.8	18.0
11 17	3 12.67	+15 37.5	1.824	2.810	1.9	18.0
11 27	3 3.06	+14 56.1	1.852	2.809	6.1	18.3
12 7	2 54.93	+14 21.5	1.909	2.808	10.0	18.5
12 17	2 48.98	+13 57.2	1.990	2.806	13.4	18.7

427815 2005 GS_{223} 11 13.7 214°.47 1°.8/12.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.89	+15 9.2	1.830	2.648	15.0	22.4
10 18	3 41.34	+14 43.9	1.743	2.641	11.5	22.1
10 28	3 33.22	+14 12.7	1.678	2.633	7.5	21.9
11 7	3 23.24	+13 38.0	1.640	2.624	3.3	21.6
11 17	3 12.42	+13 3.5	1.631	2.615	2.7	21.5
11 27	3 2.02	+12 33.8	1.651	2.605	7.0	21.8
12 7	2 53.17	+12 13.2	1.698	2.594	11.2	22.0
12 17	2 46.71	+12 4.7	1.769	2.582	14.9	22.2

230204 2001 ST_{265} 11 13.7 347°.57 1°.2/14.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.40	+21 23.4	1.126	1.981	19.9	20.0
10 18	3 36.29	+21 26.1	1.054	1.970	15.6	19.7
10 28	3 30.67	+21 15.1	1.000	1.961	10.4	19.4
11 7	3 22.38	+20 50.9	0.968	1.952	4.6	19.1
11 17	3 12.83	+20 16.7	0.958	1.946	2.1	18.9
11 27	3 3.88	+19 38.9	0.973	1.941	8.1	19.2
12 7	2 57.18	+19 5.3	1.010	1.937	13.7	19.5
12 17	2 53.81	+18 42.5	1.067	1.935	18.6	19.8

444486 2006 QU_{147} 11 13.7 75°.07 3°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.18	+12 4.2	1.824	2.654	14.5	21.4
10 18	3 37.43	+11 22.4	1.761	2.666	11.1	21.2
10 28	3 30.46	+10 37.6	1.721	2.677	7.2	21.0
11 7	3 22.02	+ 9 53.8	1.708	2.689	3.8	20.9
11 17	3 13.08	+ 9 15.5	1.722	2.700	3.8	20.9
11 27	3 4.72	+ 8 47.2	1.765	2.712	7.3	21.1
12 7	2 57.87	+ 8 31.9	1.834	2.723	10.9	21.4
12 17	2 53.17	+ 8 31.0	1.926	2.735	14.0	21.6

120624 1996 EM_{2} 11 13.7 338°.58 5°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.25	+33 51.5	2.158	2.923	14.7	19.7
10 18	3 38.52	+34 12.0	2.071	2.922	12.1	19.5
10 28	3 31.36	+34 16.5	2.006	2.920	9.2	19.4
11 7	3 22.47	+34 2.9	1.965	2.919	6.4	19.2
11 17	3 12.83	+33 30.9	1.952	2.918	5.0	19.1
11 27	3 3.63	+32 43.6	1.967	2.917	6.4	19.2
12 7	2 55.95	+31 46.7	2.009	2.916	9.1	19.3
12 17	2 50.53	+30 46.9	2.076	2.915	12.0	19.5

273715 2007 EC_{75} 11 13.7 152°.79 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.84	+20 37.5	1.960	2.768	14.5	21.5
10 18	3 40.27	+20 20.4	1.884	2.775	11.2	21.3
10 28	3 32.35	+19 53.9	1.831	2.782	7.3	21.1
11 7	3 22.82	+19 19.4	1.804	2.788	3.0	20.8
11 17	3 12.68	+18 39.6	1.806	2.793	1.4	20.7
11 27	3 3.09	+17 59.0	1.838	2.798	5.7	21.0
12 7	2 55.04	+17 22.5	1.898	2.803	9.7	21.3
12 17	2 49.24	+16 54.2	1.983	2.807	13.1	21.5

22196 3518 *P–L* 11 13.7 353°.27 3°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.32	+28 35.7	1.905	2.702	15.3	18.2
10 18	3 37.14	+28 30.3	1.822	2.700	12.2	18.0
10 28	3 30.50	+28 9.4	1.761	2.698	8.6	17.8
11 7	3 22.12	+27 32.7	1.724	2.697	5.0	17.6
11 17	3 13.03	+26 41.9	1.715	2.696	3.2	17.4
11 27	3 4.44	+25 41.8	1.734	2.696	5.8	17.6
12 7	2 57.41	+24 38.9	1.780	2.696	9.5	17.8
12 17	2 52.70	+23 39.9	1.851	2.696	13.0	18.1

70827 1999 VN_{82} 11 13.7 318°.18 3°.5/11.3 18

10 8	3 39.18	+14 58.8	1.563	2.406	15.9	19.3
10 18	3 35.75	+13 35.4	1.482	2.394	12.2	19.1
10 28	3 29.72	+12 1.0	1.424	2.384	8.0	18.8
11 7	3 21.84	+10 21.9	1.391	2.373	4.1	18.6
11 17	3 13.17	+ 8 46.4	1.385	2.363	4.6	18.6
11 27	3 4.99	+ 7 23.4	1.406	2.353	8.7	18.8
12 7	2 58.44	+ 6 20.0	1.453	2.344	13.0	19.0
12 17	2 54.30	+ 5 39.7	1.521	2.335	16.8	19.2

195784 2002 PZ_{163} 11 13.7 335°.24 5°.4/10.1 18

10 8	3 39.28	+ 3 18.1	2.162	2.989	12.7	19.9
10 18	3 34.99	+ 2 32.3	2.090	2.986	10.0	19.7
10 28	3 28.83	+ 1 50.0	2.040	2.982	7.3	19.6
11 7	3 21.38	+ 1 15.8	2.018	2.979	5.6	19.4
11 17	3 13.42	+ 0 53.8	2.023	2.977	6.1	19.5
11 27	3 5.83	+ 0 47.4	2.055	2.974	8.3	19.6
12 7	2 59.42	+ 0 57.7	2.114	2.972	11.1	19.8
12 17	2 54.77	+ 1 24.3	2.195	2.970	13.7	20.0

81462 2000 GW_{134} 11 13.7 139°.07 3°.1/11.4 18

10 8	3 42.05	+10 31.6	2.315	3.133	12.2	20.0
10 18	3 36.88	+ 9 44.1	2.246	3.144	9.3	19.9
10 28	3 29.92	+ 8 54.7	2.202	3.154	6.2	19.7
11 7	3 21.79	+ 8 7.2	2.186	3.163	3.5	19.5
11 17	3 13.25	+ 7 25.5	2.199	3.172	3.8	19.6
11 27	3 5.16	+ 6 53.2	2.243	3.181	6.5	19.8
12 7	2 58.27	+ 6 33.1	2.313	3.189	9.5	20.0
12 17	2 53.13	+ 6 26.2	2.409	3.197	12.2	20.2

416165 2002 RF_{235} 11 13.7 73°.97 5°.5/17.8 18

10 8	3 44.66	+35 52.8	2.361	3.108	14.1	21.3
10 18	3 39.38	+36 25.9	2.285	3.119	11.7	21.2
10 28	3 31.80	+36 43.4	2.230	3.130	9.1	21.0
11 7	3 22.63	+36 43.0	2.200	3.142	6.7	20.9
11 17	3 12.82	+36 24.0	2.197	3.153	5.5	20.8
11 27	3 3.49	+35 48.8	2.223	3.164	6.4	20.9
12 7	2 55.64	+35 2.5	2.276	3.175	8.6	21.1
12 17	2 49.96	+34 11.1	2.355	3.186	11.0	21.3

321615 2009 VG_{100} 11 13.7 84°.68 2°.4/12.5 18

10 8	3 47.24	+ 9 10.3	2.358	3.164	12.4	20.3
10 18	3 40.74	+ 9 24.8	2.294	3.185	9.5	20.1
10 28	3 32.37	+ 9 40.6	2.255	3.205	6.2	20.0
11 7	3 22.78	+ 9 59.1	2.245	3.225	3.2	19.8
11 17	3 12.78	+10 21.2	2.265	3.245	2.9	19.8
11 27	3 3.28	+10 48.2	2.317	3.264	5.8	20.1
12 7	2 55.07	+11 20.6	2.398	3.284	8.8	20.3
12 17	2 48.71	+11 58.8	2.505	3.303	11.5	20.5

487952 2015 TH_{252} 11 13.7 6°.97 0°.5/13.4 18

10 8	3 41.60	+17 41.5	1.781	2.607	15.0	21.1
10 18	3 37.30	+17 32.4	1.705	2.608	11.5	20.8
10 28	3 30.59	+17 16.5	1.652	2.608	7.5	20.6
11 7	3 22.17	+16 55.4	1.624	2.610	3.0	20.3
11 17	3 13.05	+16 32.0	1.624	2.611	1.8	20.3
11 27	3 4.42	+16 10.1	1.652	2.613	6.2	20.6
12 7	2 57.32	+15 54.0	1.707	2.615	10.4	20.8
12 17	2 52.49	+15 46.6	1.785	2.618	13.9	21.0

245308 2005 EA_{35} 11 13.7 213°.50 1°.7/14.8 18

10 8	3 44.25	+24 52.9	2.275	3.066	13.3	21.6
10 18	3 38.97	+24 46.2	2.181	3.060	10.4	21.4
10 28	3 31.53	+24 28.6	2.111	3.053	7.1	21.2
11 7	3 22.53	+24 0.1	2.067	3.045	3.6	20.9
11 17	3 12.86	+23 22.2	2.052	3.038	1.9	20.8
11 27	3 3.55	+22 38.6	2.068	3.029	5.1	21.0
12 7	2 55.54	+21 54.0	2.113	3.020	8.7	21.2
12 17	2 49.54	+21 13.2	2.183	3.011	11.9	21.4

22085 2000 AA_{169} 11 13.7 133°.88 2°.4/11.9 18

10 8	3 42.40	+15 17.9	2.017	2.838	13.7	18.2
10 18	3 37.44	+14 11.4	1.947	2.847	10.4	18.0
10 28	3 30.41	+12 58.0	1.900	2.856	6.7	17.8
11 7	3 22.02	+11 41.9	1.881	2.864	3.2	17.6
11 17	3 13.17	+10 28.8	1.891	2.871	3.2	17.6
11 27	3 4.87	+ 9 24.4	1.931	2.879	6.7	17.8
12 7	2 57.96	+ 8 33.4	1.999	2.886	10.2	18.1
12 17	2 53.06	+ 7 58.3	2.091	2.892	13.3	18.3

238853 2005 VZ_{30} 11 13.7 274°.83 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.72	+16 17.2	1.752	2.574	15.4	20.7
10 18	3 40.85	+16 10.5	1.651	2.551	12.0	20.4
10 28	3 33.19	+15 57.8	1.572	2.527	7.9	20.2
11 7	3 23.37	+15 40.6	1.518	2.503	3.3	19.8
11 17	3 12.41	+15 21.4	1.493	2.479	2.2	19.7
11 27	3 1.65	+15 4.1	1.496	2.454	7.0	19.9
12 7	2 52.38	+14 53.0	1.525	2.429	11.7	20.2
12 17	2 45.61	+14 51.7	1.578	2.404	15.8	20.4

407612 2011 BX_{116} 11 13.7 306°.62 5°.1/16.9 17

10 8	3 42.63	+32 59.5	2.074	2.847	15.0	21.0
10 18	3 38.28	+33 23.7	1.977	2.833	12.4	20.8
10 28	3 31.37	+33 32.4	1.902	2.820	9.4	20.6
11 7	3 22.57	+33 23.1	1.850	2.807	6.5	20.4
11 17	3 12.85	+32 55.1	1.826	2.794	5.1	20.3
11 27	3 3.46	+32 11.1	1.830	2.782	6.6	20.3
12 7	2 55.56	+31 16.6	1.860	2.769	9.6	20.5
12 17	2 50.00	+30 18.7	1.916	2.757	12.7	20.7

74279 1998 SC_{123} 11 13.7 48°.26 1°.6/14.7 18

10 8	3 42.42	+23 16.0	2.054	2.860	14.0	19.4
10 18	3 37.65	+23 23.9	1.981	2.868	10.9	19.3
10 28	3 30.67	+23 22.2	1.930	2.877	7.3	19.1
11 7	3 22.18	+23 11.0	1.906	2.886	3.6	18.8
11 17	3 13.09	+22 51.8	1.910	2.895	1.9	18.7
11 27	3 4.49	+22 27.7	1.943	2.905	5.3	19.0
12 7	2 57.32	+22 3.0	2.003	2.915	8.9	19.2
12 17	2 52.24	+21 41.7	2.089	2.924	12.1	19.5

140195 2001 SE_{219} 11 13.7 180°.96 2°.7/15.5 18

10 8	3 45.35	+27 6.7	2.369	3.149	13.1	20.6
10 18	3 39.76	+27 22.3	2.281	3.150	10.4	20.4
10 28	3 32.01	+27 27.1	2.216	3.150	7.4	20.3
11 7	3 22.73	+27 20.1	2.178	3.150	4.2	20.1
11 17	3 12.80	+27 1.8	2.169	3.150	2.8	20.0
11 27	3 3.24	+26 34.8	2.191	3.149	5.1	20.1
12 7	2 54.98	+26 3.1	2.241	3.148	8.3	20.3
12 17	2 48.73	+25 31.5	2.317	3.146	11.3	20.5

381360 2008 DV_{78} 11 13.7 202°.18 2°.4/12.3 17

10 8	3 47.13	+12 43.7	1.983	2.798	14.1	21.8
10 18	3 41.29	+12 19.8	1.897	2.793	10.9	21.6
10 28	3 33.09	+11 52.5	1.835	2.788	7.1	21.4
11 7	3 23.20	+11 24.5	1.800	2.782	3.4	21.1
11 17	3 12.57	+10 59.3	1.794	2.775	3.2	21.1
11 27	3 2.35	+10 40.6	1.818	2.768	6.9	21.3
12 7	2 53.57	+10 31.7	1.870	2.759	10.7	21.5
12 17	2 46.98	+10 34.5	1.946	2.750	14.1	21.7

296699 2009 SY_{276} 11 13.7 324°.91 3°.7/11.1 18

10 8	3 38.57	+10 21.7	1.986	2.820	13.4	20.4
10 18	3 34.70	+ 9 28.0	1.906	2.812	10.3	20.2
10 28	3 28.78	+ 8 31.5	1.850	2.805	6.9	20.0
11 7	3 21.43	+ 7 36.6	1.820	2.798	4.1	19.8
11 17	3 13.47	+ 6 48.4	1.818	2.791	4.5	19.8
11 27	3 5.89	+ 6 11.8	1.844	2.785	7.6	20.0
12 7	2 59.58	+ 5 50.1	1.897	2.779	11.0	20.2
12 17	2 55.18	+ 5 44.7	1.972	2.773	14.1	20.4

300480 2007 TH_{125} 11 13.7 103°.11 1°.3/12.9 18

10 8	3 44.38	+16 4.9	1.891	2.711	14.5	21.5
10 18	3 39.12	+15 43.6	1.824	2.723	11.1	21.3
10 28	3 31.59	+15 16.6	1.780	2.735	7.1	21.1
11 7	3 22.54	+14 46.4	1.763	2.747	2.9	20.8
11 17	3 12.97	+14 16.1	1.774	2.759	2.2	20.8
11 27	3 3.97	+13 50.0	1.815	2.771	6.2	21.1
12 7	2 56.51	+13 31.6	1.882	2.782	10.1	21.3
12 17	2 51.24	+13 23.4	1.974	2.793	13.3	21.6

70838 1999 VA_{94} 11 13.7 81°.10 0°.3/13.8 18

10 8	3 46.85	+19 46.8	1.725	2.541	15.9	20.0
10 18	3 41.17	+19 43.5	1.667	2.562	12.2	19.8
10 28	3 32.96	+19 31.5	1.630	2.583	7.9	19.6
11 7	3 23.10	+19 12.2	1.620	2.604	3.3	19.3
11 17	3 12.71	+18 47.9	1.637	2.624	1.5	19.3
11 27	3 3.06	+18 22.8	1.684	2.645	6.0	19.6
12 7	2 55.21	+18 1.4	1.757	2.665	10.1	19.9
12 17	2 49.82	+17 47.4	1.855	2.685	13.6	20.2

516472 2005 SF_{140} 11 13.7 51°.86 2°.2/14.8 18

10 8	3 45.16	+23 34.6	1.827	2.633	15.4	21.4
10 18	3 40.01	+23 59.0	1.759	2.646	12.1	21.2
10 28	3 32.33	+24 13.3	1.713	2.659	8.2	21.0
11 7	3 22.90	+24 16.8	1.693	2.672	4.2	20.8
11 17	3 12.79	+24 10.1	1.700	2.685	2.4	20.7
11 27	3 3.27	+23 56.2	1.736	2.698	5.8	20.9
12 7	2 55.41	+23 39.5	1.800	2.712	9.6	21.2
12 17	2 49.97	+23 24.7	1.887	2.726	13.0	21.4

149073 2002 CA_{78} 11 13.7 190°.06 0°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.03	+18 56.6	2.272	3.081	12.7	20.5
10 18	3 37.15	+18 46.2	2.188	3.081	9.8	20.3
10 28	3 30.28	+18 29.2	2.128	3.080	6.4	20.1
11 7	3 22.03	+18 6.7	2.095	3.079	2.6	19.8
11 17	3 13.21	+17 41.0	2.091	3.078	1.3	19.7
11 27	3 4.76	+17 15.3	2.118	3.077	5.2	20.0
12 7	2 57.53	+16 53.1	2.173	3.076	8.7	20.2
12 17	2 52.16	+16 37.4	2.253	3.075	11.8	20.4

157545 2005 UC_{19} 11 13.7 339°.88 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.76	+16 1.0	1.249	2.100	18.6	20.0
10 18	3 38.52	+15 57.8	1.174	2.090	14.4	19.8
10 28	3 31.97	+15 48.1	1.119	2.080	9.4	19.5
11 7	3 22.94	+15 33.9	1.086	2.072	3.9	19.1
11 17	3 12.73	+15 18.9	1.078	2.064	2.6	19.0
11 27	3 3.05	+15 7.8	1.095	2.058	8.2	19.3
12 7	2 55.43	+15 5.5	1.135	2.052	13.6	19.6
12 17	2 50.90	+15 15.3	1.196	2.048	18.1	19.9

119230 2001 QV_{236} 11 13.7 92°.97 0°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.13	+19 28.4	1.633	2.452	16.4	20.5
10 18	3 41.46	+19 2.2	1.576	2.473	12.6	20.3
10 28	3 33.17	+18 26.2	1.540	2.494	8.1	20.1
11 7	3 23.19	+17 43.0	1.529	2.514	3.2	19.8
11 17	3 12.70	+16 56.5	1.547	2.534	1.8	19.8
11 27	3 3.02	+16 12.4	1.594	2.553	6.5	20.1
12 7	2 55.23	+15 35.9	1.667	2.572	10.7	20.4
12 17	2 50.00	+15 10.8	1.764	2.591	14.3	20.7

405837 2006 BV_{182} 11 13.7 273°.07 4°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.94	+31 6.1	2.303	3.075	13.7	21.1
10 18	3 38.12	+31 24.6	2.212	3.071	11.1	21.0
10 28	3 31.06	+31 29.8	2.144	3.067	8.2	20.8
11 7	3 22.40	+31 20.0	2.101	3.063	5.4	20.6
11 17	3 13.03	+30 55.3	2.086	3.059	4.0	20.5
11 27	3 4.01	+30 18.4	2.101	3.055	5.7	20.6
12 7	2 56.34	+29 33.9	2.143	3.051	8.6	20.8
12 17	2 50.74	+28 47.6	2.211	3.047	11.5	20.9

269877 2000 FV_{73} 11 13.7 257°.08 9°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.79	−11 53.8	2.562	3.349	12.1	20.3
10 18	3 34.42	−13 17.0	2.495	3.337	10.6	20.2
10 28	3 28.40	−14 29.1	2.452	3.325	9.6	20.1
11 7	3 21.25	−15 23.7	2.434	3.312	9.3	20.1
11 17	3 13.63	−15 56.3	2.441	3.300	9.9	20.1
11 27	3 6.30	−16 3.9	2.473	3.287	11.2	20.1
12 7	2 59.96	−15 46.7	2.528	3.274	12.8	20.2
12 17	2 55.15	−15 6.8	2.601	3.261	14.4	20.4

513557 2010 PE_{74} 11 13.7 100°.88 4°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.49	+33 25.9	2.273	3.026	14.4	21.5
10 18	3 42.16	+33 49.2	2.206	3.050	11.7	21.4
10 28	3 33.51	+33 57.1	2.162	3.074	8.8	21.2
11 7	3 23.33	+33 47.7	2.143	3.097	6.0	21.1
11 17	3 12.64	+33 21.2	2.153	3.119	4.7	21.0
11 27	3 2.58	+32 40.7	2.193	3.141	5.9	21.2
12 7	2 54.14	+31 51.9	2.260	3.162	8.5	21.4
12 17	2 47.97	+31 0.7	2.354	3.183	11.1	21.6

484735 2008 YP_{24} 11 13.7 12°.38 3°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.15	+13 2.4	1.081	1.950	19.6	19.9
10 18	3 35.72	+12 30.4	1.030	1.955	15.0	19.7
10 28	3 30.02	+11 53.6	0.997	1.962	9.8	19.4
11 7	3 22.06	+11 17.7	0.986	1.970	4.7	19.1
11 17	3 13.27	+10 48.8	0.998	1.981	4.5	19.2
11 27	3 5.34	+10 33.0	1.034	1.993	9.3	19.5
12 7	2 59.62	+10 34.0	1.092	2.007	14.2	19.8
12 17	2 56.92	+10 52.6	1.170	2.022	18.4	20.1

88964 2001 TX_{54} 11 13.7 265°.10 0°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.32	+19 34.0	1.971	2.789	14.1	19.6
10 18	3 36.89	+19 0.6	1.890	2.788	10.8	19.4
10 28	3 30.24	+18 17.7	1.832	2.786	7.0	19.2
11 7	3 22.06	+17 27.7	1.800	2.785	2.8	18.9
11 17	3 13.25	+16 34.3	1.796	2.783	1.6	18.8
11 27	3 4.90	+15 42.6	1.822	2.781	5.9	19.1
12 7	2 57.95	+14 57.7	1.875	2.780	9.8	19.3
12 17	2 53.08	+14 23.5	1.953	2.778	13.2	19.5

157040 2003 SA_{37} 11 13.7 133°.02 2°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.23	+26 47.2	2.543	3.326	12.3	20.0
10 18	3 37.15	+26 47.5	2.462	3.333	9.7	19.8
10 28	3 30.21	+26 37.2	2.404	3.340	6.7	19.6
11 7	3 22.00	+26 16.3	2.373	3.347	3.7	19.4
11 17	3 13.29	+25 46.1	2.371	3.353	2.3	19.4
11 27	3 4.98	+25 9.3	2.400	3.360	4.6	19.5
12 7	2 57.86	+24 30.3	2.457	3.366	7.6	19.7
12 17	2 52.53	+23 53.0	2.541	3.372	10.4	19.9

184630 2005 SS_{2} 11 13.7 81°.79 1°.0/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.04	+17 5.2	2.007	2.827	13.8	20.6
10 18	3 37.26	+16 39.7	1.938	2.837	10.5	20.4
10 28	3 30.37	+16 7.8	1.892	2.847	6.8	20.2
11 7	3 22.07	+15 31.9	1.872	2.857	2.8	19.9
11 17	3 13.27	+14 55.2	1.881	2.867	1.9	19.9
11 27	3 4.98	+14 22.1	1.920	2.877	5.8	20.2
12 7	2 58.09	+13 56.2	1.986	2.887	9.5	20.4
12 17	2 53.23	+13 40.4	2.076	2.897	12.7	20.6

403491 2009 UX_{73} 11 13.7 13°.90 3°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.83	+13 56.9	1.445	2.299	16.4	19.7
10 18	3 33.15	+12 35.7	1.389	2.307	12.4	19.5
10 28	3 27.97	+11 7.3	1.354	2.316	8.1	19.2
11 7	3 21.14	+ 9 38.7	1.344	2.326	4.3	19.1
11 17	3 13.75	+ 8 18.1	1.361	2.338	4.8	19.1
11 27	3 7.03	+ 7 13.2	1.403	2.351	8.6	19.4
12 7	3 1.99	+ 6 28.9	1.470	2.366	12.6	19.7
12 17	2 59.27	+ 6 6.8	1.558	2.381	16.1	19.9

329115 2011 CS_{20} 11 13.7 190°.91 1°.0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.21	+16 19.0	2.453	3.266	11.8	21.5
10 18	3 35.59	+15 58.5	2.370	3.266	9.0	21.3
10 28	3 29.20	+15 33.2	2.312	3.266	5.8	21.2
11 7	3 21.60	+15 4.8	2.281	3.265	2.4	20.9
11 17	3 13.51	+14 36.0	2.279	3.264	1.8	20.9
11 27	3 5.75	+14 9.9	2.308	3.264	5.1	21.1
12 7	2 59.08	+13 49.6	2.365	3.263	8.4	21.3
12 17	2 54.08	+13 37.3	2.448	3.262	11.2	21.5

235125 2003 QU_{38} 11 13.7 75°.02 3°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.49	+10 34.4	1.656	2.491	15.6	20.2
10 18	3 38.63	+ 9 47.3	1.598	2.504	11.9	20.0
10 28	3 31.35	+ 8 58.3	1.562	2.518	7.9	19.8
11 7	3 22.49	+ 8 12.4	1.552	2.531	4.5	19.7
11 17	3 13.10	+ 7 34.5	1.569	2.545	4.7	19.7
11 27	3 4.39	+ 7 9.4	1.614	2.558	8.1	19.9
12 7	2 57.34	+ 7 0.0	1.685	2.572	11.8	20.2
12 17	2 52.63	+ 7 6.8	1.778	2.585	15.1	20.4

517066 2013 CH_{41} 11 13.7 223°.66 0°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.03	+22 32.0	2.227	3.028	13.2	21.7
10 18	3 38.07	+22 11.1	2.133	3.020	10.3	21.5
10 28	3 30.97	+21 39.9	2.064	3.012	6.8	21.3
11 7	3 22.37	+20 59.4	2.021	3.003	3.0	21.0
11 17	3 13.12	+20 12.0	2.007	2.994	1.4	20.9
11 27	3 4.22	+19 21.9	2.024	2.985	5.2	21.1
12 7	2 56.60	+18 34.1	2.069	2.975	8.9	21.3
12 17	2 50.96	+17 53.2	2.140	2.965	12.2	21.5

285269 1998 QK_{84} 11 13.7 69°.40 1°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.25	+24 1.7	2.104	2.904	13.9	20.2
10 18	3 38.00	+23 39.6	2.046	2.931	10.7	20.1
10 28	3 30.73	+23 6.5	2.012	2.958	7.1	19.9
11 7	3 22.18	+22 23.8	2.003	2.985	3.3	19.7
11 17	3 13.28	+21 34.6	2.024	3.011	1.5	19.6
11 27	3 5.03	+20 43.3	2.075	3.037	5.0	19.9
12 7	2 58.25	+19 54.9	2.154	3.063	8.5	20.2
12 17	2 53.50	+19 13.5	2.259	3.089	11.5	20.4

53179 1999 CB_{36} 11 13.7 137°.14 2°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.52	+23 38.3	2.031	2.822	14.6	18.9
10 18	3 43.12	+23 57.4	1.956	2.835	11.5	18.7
10 28	3 34.27	+24 6.7	1.905	2.847	7.8	18.5
11 7	3 23.71	+24 5.6	1.880	2.859	3.9	18.3
11 17	3 12.50	+23 54.5	1.885	2.870	2.2	18.2
11 27	3 1.83	+23 36.5	1.920	2.880	5.5	18.5
12 7	2 52.78	+23 15.7	1.983	2.890	9.2	18.7
12 17	2 46.07	+22 56.9	2.072	2.899	12.5	18.9

365084 2009 BD_{102} 11 13.7 103°.68 9°.1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.80	− 8 39.0	2.228	3.024	13.3	21.5
10 18	3 37.38	−10 3.9	2.190	3.047	11.3	21.4
10 28	3 30.21	−11 16.1	2.177	3.068	9.7	21.4
11 7	3 21.95	−12 9.4	2.189	3.090	9.1	21.4
11 17	3 13.41	−12 39.4	2.227	3.110	9.7	21.4
11 27	3 5.43	−12 44.1	2.290	3.131	11.1	21.6
12 7	2 58.75	−12 24.5	2.377	3.150	12.8	21.7
12 17	2 53.85	−11 43.6	2.484	3.170	14.5	21.9

434201 2003 QH_{10} 11 13.7 78°.61 8°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.69	− 0 43.4	1.727	2.549	15.6	21.1
10 18	3 39.88	− 2 4.2	1.693	2.580	12.5	20.9
10 28	3 31.90	− 3 15.6	1.682	2.611	9.6	20.8
11 7	3 22.64	− 4 10.7	1.697	2.642	8.1	20.8
11 17	3 13.11	− 4 44.0	1.738	2.672	8.7	20.9
11 27	3 4.41	− 4 52.9	1.806	2.701	10.8	21.1
12 7	2 57.40	− 4 38.0	1.898	2.730	13.3	21.3
12 17	2 52.59	− 4 2.3	2.011	2.758	15.6	21.6

108158 2001 HE_5 11 13.7 179°.83 1°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.87	+25 32.3	2.395	3.180	12.9	20.7
10 18	3 39.32	+25 28.1	2.307	3.181	10.1	20.5
10 28	3 31.70	+25 13.1	2.242	3.182	6.9	20.3
11 7	3 22.66	+24 47.4	2.205	3.182	3.6	20.1
11 17	3 13.04	+24 12.3	2.198	3.182	2.0	20.0
11 27	3 3.81	+23 31.3	2.221	3.181	4.9	20.2
12 7	2 55.86	+22 48.8	2.273	3.180	8.2	20.4
12 17	2 49.84	+22 9.3	2.351	3.178	11.2	20.6

133089 2003 MQ_8 11 13.7 25°.39 12°.0/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.50	− 6 26.6	1.391	2.228	17.9	18.6
10 18	3 36.72	− 8 11.6	1.349	2.234	15.1	18.4
10 28	3 30.29	− 9 41.4	1.327	2.242	12.9	18.3
11 7	3 22.12	−10 45.3	1.327	2.250	12.0	18.3
11 17	3 13.38	−11 15.7	1.350	2.258	12.8	18.4
11 27	3 5.37	−11 9.4	1.395	2.267	14.9	18.5
12 7	2 59.18	−10 28.5	1.460	2.277	17.4	18.7
12 17	2 55.48	− 9 18.7	1.543	2.288	19.7	18.9

515599 2014 JC_{53} 11 13.7 191°.66 0°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.45	+17 32.8	2.193	2.998	13.3	22.0
10 18	3 40.66	+17 41.8	2.107	2.997	10.2	21.8
10 28	3 32.67	+17 45.9	2.044	2.995	6.7	21.5
11 7	3 23.11	+17 45.7	2.009	2.993	2.7	21.3
11 17	3 12.86	+17 42.4	2.004	2.991	1.4	21.2
11 27	3 2.96	+17 38.3	2.029	2.988	5.4	21.5
12 7	2 54.38	+17 36.4	2.083	2.985	9.1	21.7
12 17	2 47.83	+17 39.3	2.162	2.981	12.3	21.9

367416 2008 RS_{71} 11 13.7 150°.13 7°.7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.50	− 7 24.3	2.752	3.549	11.1	21.1
10 18	3 33.99	− 8 56.0	2.698	3.555	9.4	21.0
10 28	3 28.03	−10 19.1	2.669	3.561	8.1	21.0
11 7	3 21.12	−11 28.1	2.667	3.567	7.7	20.9
11 17	3 13.87	−12 18.6	2.692	3.572	8.3	21.0
11 27	3 6.96	−12 47.6	2.743	3.577	9.7	21.1
12 7	3 0.99	−12 54.9	2.819	3.582	11.3	21.2
12 17	2 56.43	−12 42.0	2.915	3.586	12.8	21.4

40957 1999 TR_{242} 11 13.7 225°.31 4°.6/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.92	+ 4 55.3	2.302	3.123	12.2	19.0
10 18	3 36.19	+ 4 19.0	2.226	3.120	9.5	18.8
10 28	3 29.63	+ 3 45.1	2.173	3.117	6.8	18.7
11 7	3 21.83	+ 3 17.5	2.147	3.114	4.8	18.5
11 17	3 13.51	+ 2 59.7	2.151	3.111	5.2	18.6
11 27	3 5.54	+ 2 54.7	2.182	3.108	7.5	18.7
12 7	2 58.70	+ 3 3.9	2.241	3.105	10.3	18.9
12 17	2 53.57	+ 3 27.1	2.323	3.102	12.9	19.0

258812 2002 NJ_{14} 11 13.7 125°.33 3°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.79	+31 4.6	2.772	3.533	11.9	21.2
10 18	3 37.46	+31 4.2	2.693	3.546	9.6	21.0
10 28	3 30.36	+30 51.6	2.637	3.559	6.9	20.9
11 7	3 22.09	+30 26.3	2.608	3.571	4.4	20.7
11 17	3 13.39	+29 49.3	2.609	3.583	3.1	20.7
11 27	3 5.12	+29 3.6	2.640	3.595	4.6	20.8
12 7	2 58.03	+28 13.3	2.700	3.606	7.1	21.0
12 17	2 52.65	+27 23.0	2.787	3.617	9.6	21.1

402338 2005 UC_{341} 11 13.7 92°.77 2°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.80	+12 27.3	2.110	2.928	13.2	21.4
10 18	3 38.53	+12 21.6	2.038	2.936	10.1	21.2
10 28	3 31.20	+12 14.1	1.990	2.944	6.6	21.0
11 7	3 22.47	+12 6.9	1.969	2.952	3.0	20.8
11 17	3 13.21	+12 2.3	1.977	2.960	2.7	20.8
11 27	3 4.39	+12 2.7	2.015	2.968	6.1	21.1
12 7	2 56.91	+12 10.3	2.081	2.975	9.5	21.3
12 17	2 51.39	+12 26.3	2.171	2.983	12.6	21.5

176886 2002 VG 11 13.7 316°.39 0°.3/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.95	+16 14.5	1.672	2.498	15.8	19.9
10 18	3 40.34	+16 36.8	1.582	2.484	12.3	19.6
10 28	3 32.92	+16 55.7	1.515	2.470	8.1	19.3
11 7	3 23.36	+17 11.6	1.472	2.457	3.3	19.0
11 17	3 12.71	+17 25.2	1.457	2.444	1.8	18.9
11 27	3 2.36	+17 38.7	1.469	2.431	6.7	19.2
12 7	2 53.60	+17 54.8	1.509	2.419	11.3	19.4
12 17	2 47.39	+18 16.1	1.571	2.407	15.3	19.6

212078 2005 EL_{79} 11 13.7 270°.54 7°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.31	− 0 2.8	1.859	2.687	14.4	20.2
10 18	3 36.96	− 1 20.1	1.784	2.675	11.7	20.0
10 28	3 30.37	− 2 32.6	1.731	2.663	9.2	19.8
11 7	3 22.20	− 3 33.0	1.704	2.651	7.8	19.7
11 17	3 13.33	− 4 14.7	1.703	2.639	8.6	19.8
11 27	3 4.84	− 4 33.0	1.729	2.627	11.0	19.9
12 7	2 57.70	− 4 26.3	1.778	2.615	13.8	20.0
12 17	2 52.64	− 3 56.1	1.848	2.603	16.6	20.2

63730 2001 QB_{239} 11 13.7 266°.52 1°.3/14.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.35	+22 36.7	1.719	2.531	16.0	19.0
10 18	3 40.67	+22 33.7	1.623	2.515	12.6	18.7
10 28	3 33.14	+22 19.1	1.549	2.499	8.5	18.4
11 7	3 23.45	+21 52.8	1.500	2.482	3.9	18.1
11 17	3 12.67	+21 16.7	1.478	2.465	1.9	17.9
11 27	3 2.22	+20 35.1	1.484	2.447	6.5	18.2
12 7	2 53.41	+19 54.2	1.517	2.430	11.1	18.4
12 17	2 47.21	+19 20.0	1.574	2.412	15.2	18.6

115997 2003 WP_{72} 11 13.7 327°.96 1°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.77	+22 17.8	2.017	2.829	14.0	19.5
10 18	3 36.67	+22 26.2	1.926	2.817	11.0	19.3
10 28	3 30.27	+22 25.8	1.857	2.806	7.4	19.0
11 7	3 22.19	+22 16.6	1.814	2.796	3.5	18.8
11 17	3 13.32	+21 59.8	1.799	2.785	1.7	18.6
11 27	3 4.76	+21 38.5	1.813	2.776	5.5	18.9
12 7	2 57.53	+21 16.8	1.854	2.766	9.4	19.1
12 17	2 52.41	+20 58.8	1.919	2.758	12.8	19.3

304860 2007 RF_{93} 11 13.7 71°.80 4°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.64	+28 44.3	1.716	2.499	17.2	20.3
10 18	3 45.81	+29 28.0	1.664	2.531	13.7	20.1
10 28	3 36.10	+29 56.5	1.633	2.563	9.8	19.9
11 7	3 24.48	+30 7.3	1.628	2.595	6.1	19.8
11 17	3 12.28	+30 0.2	1.650	2.626	4.4	19.8
11 27	3 1.00	+29 38.5	1.701	2.657	6.6	20.0
12 7	2 51.83	+29 8.6	1.780	2.687	10.0	20.2
12 17	2 45.52	+28 37.2	1.882	2.717	13.2	20.5

11762 Vogel 11 13.7 147°.79 0°.6/14.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.16	+21 29.5	2.159	2.966	13.4	18.0
10 18	3 37.40	+21 18.3	2.078	2.968	10.4	17.8
10 28	3 30.55	+20 58.3	2.019	2.969	6.8	17.6
11 7	3 22.24	+20 30.3	1.988	2.971	3.0	17.4
11 17	3 13.34	+19 56.6	1.985	2.972	1.3	17.2
11 27	3 4.85	+19 21.0	2.012	2.973	5.2	17.5
12 7	2 57.69	+18 47.7	2.067	2.974	8.8	17.7
12 17	2 52.49	+18 20.6	2.147	2.976	12.0	18.0

342481 2008 UG_{148} 11 13.7 340°.98 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.28	+19 12.3	1.536	2.365	16.8	20.8
10 18	3 39.91	+19 19.0	1.459	2.361	13.1	20.6
10 28	3 32.63	+19 17.5	1.402	2.358	8.6	20.3
11 7	3 23.21	+19 8.4	1.370	2.354	3.6	20.0
11 17	3 12.84	+18 53.7	1.364	2.352	1.7	19.8
11 27	3 2.97	+18 37.4	1.386	2.349	6.8	20.2
12 7	2 54.92	+18 24.1	1.433	2.347	11.5	20.4
12 17	2 49.58	+18 18.1	1.503	2.346	15.6	20.7

230850 2004 RV_{70} 11 13.7 153°.05 3°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.74	+28 2.0	1.830	2.621	16.0	20.7
10 18	3 41.43	+28 8.7	1.750	2.625	12.8	20.5
10 28	3 33.40	+28 0.5	1.693	2.629	9.0	20.2
11 7	3 23.46	+27 36.4	1.660	2.633	5.2	20.0
11 17	3 12.74	+26 57.5	1.655	2.636	3.3	19.9
11 27	3 2.59	+26 8.0	1.678	2.639	6.1	20.1
12 7	2 54.20	+25 14.7	1.729	2.642	10.0	20.3
12 17	2 48.36	+24 24.1	1.805	2.644	13.5	20.6

402003 2003 QG_{10} 11 13.7 60°.08 9°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.09	− 6 21.6	2.036	2.850	13.8	20.4
10 18	3 35.54	− 7 45.5	1.997	2.868	11.6	20.3
10 28	3 29.14	− 8 57.6	1.981	2.887	9.8	20.2
11 7	3 21.58	− 9 51.3	1.990	2.906	9.0	20.2
11 17	3 13.70	−10 21.8	2.025	2.925	9.6	20.3
11 27	3 6.38	−10 26.7	2.084	2.944	11.2	20.4
12 7	3 0.37	−10 6.9	2.167	2.964	13.1	20.6
12 17	2 56.19	− 9 25.4	2.270	2.983	15.0	20.8

351019 2003 RK_{20} 11 13.7 12°.33 6°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.95	+ 8 39.3	1.210	2.073	18.3	19.6
10 18	3 35.23	+ 7 25.2	1.157	2.077	14.1	19.4
10 28	3 29.57	+ 6 9.8	1.124	2.082	9.8	19.2
11 7	3 21.91	+ 5 1.6	1.113	2.089	6.5	19.0
11 17	3 13.53	+ 4 9.2	1.127	2.097	7.2	19.1
11 27	3 5.90	+ 3 39.3	1.165	2.106	10.9	19.3
12 7	3 0.24	+ 3 34.7	1.225	2.116	15.0	19.6
12 17	2 57.30	+ 3 54.4	1.304	2.128	18.6	19.9

414361 2008 TE_{126} 11 13.7 43°.80 4°.4/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.77	+31 40.6	2.288	3.057	13.9	20.7
10 18	3 38.78	+32 12.8	2.207	3.061	11.3	20.5
10 28	3 31.53	+32 31.8	2.147	3.066	8.4	20.4
11 7	3 22.67	+32 35.7	2.113	3.071	5.7	20.2
11 17	3 13.12	+32 24.0	2.107	3.076	4.4	20.1
11 27	3 3.97	+31 59.0	2.130	3.081	5.9	20.3
12 7	2 56.21	+31 25.0	2.181	3.087	8.6	20.4
12 17	2 50.57	+30 47.6	2.257	3.092	11.3	20.6

205386 2001 CX_{44} 11 13.7 290°84 0°7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.78	+18 32.0	1.723	2.540	15.8	20.1
10 18	3 41.75	+18 59.5	1.630	2.526	12.3	19.8
10 28	3 33.86	+19 21.9	1.559	2.512	8.2	19.5
11 7	3 23.77	+19 38.9	1.514	2.498	3.5	19.2
11 17	3 12.54	+19 50.5	1.497	2.484	1.7	19.1
11 27	3 1.58	+19 58.6	1.508	2.470	6.5	19.4
12 7	2 52.21	+20 6.6	1.546	2.456	11.1	19.6
12 17	2 45.44	+20 18.0	1.607	2.442	15.1	19.8

456020 2005 YU_{83} 11 13.7 244°50 3°1/16.1 17

10 8	3 41.98	+29 49.6	2.313	3.091	13.5	21.4
10 18	3 37.32	+29 44.6	2.222	3.088	10.8	21.3
10 28	3 30.53	+29 25.7	2.154	3.084	7.8	21.1
11 7	3 22.26	+28 52.4	2.111	3.080	4.7	20.9
11 17	3 13.36	+28 5.8	2.097	3.076	3.2	20.8
11 27	3 4.85	+27 9.8	2.113	3.072	5.2	20.9
12 7	2 57.67	+26 9.7	2.157	3.068	8.4	21.1
12 17	2 52.46	+25 11.2	2.227	3.064	11.4	21.3

28380 1999 JO_{38} 11 13.7 329°09 2°5/12.1 18

10 8	3 38.84	+15 34.5	1.691	2.529	15.1	17.2
10 18	3 35.39	+14 36.5	1.609	2.519	11.6	16.9
10 28	3 29.51	+13 29.6	1.550	2.509	7.5	16.7
11 7	3 21.89	+12 18.4	1.516	2.500	3.5	16.4
11 17	3 13.54	+11 8.8	1.509	2.491	3.5	16.4
11 27	3 5.61	+10 7.8	1.530	2.482	7.6	16.6
12 7	2 59.19	+ 9 21.0	1.576	2.475	11.7	16.9
12 17	2 55.03	+ 8 52.0	1.645	2.467	15.4	17.1

515284 2012 TZ_{202} 11 13.7 293°34 1°5/14.4 18

10 8	3 46.09	+21 24.1	1.590	2.409	16.8	21.0
10 18	3 41.41	+21 45.0	1.504	2.400	13.2	20.8
10 28	3 33.71	+21 57.1	1.439	2.390	8.9	20.5
11 7	3 23.72	+21 59.4	1.399	2.381	4.1	20.2
11 17	3 12.61	+21 52.5	1.385	2.372	2.1	20.0
11 27	3 1.89	+21 39.5	1.399	2.363	6.7	20.3
12 7	2 52.96	+21 25.4	1.439	2.354	11.4	20.6
12 17	2 46.82	+21 15.3	1.502	2.345	15.6	20.8

410862 2009 RM_{53} 11 13.7 343°57 4°4/15.6 17

10 8	3 46.60	+27 44.5	1.952	2.740	15.3	20.8
10 18	3 41.46	+28 46.5	1.865	2.735	12.3	20.6
10 28	3 33.59	+29 38.7	1.800	2.730	9.0	20.4
11 7	3 23.64	+30 17.8	1.760	2.726	5.8	20.2
11 17	3 12.65	+30 41.4	1.748	2.722	4.5	20.1
11 27	3 1.94	+30 50.3	1.764	2.718	6.6	20.2
12 7	2 52.77	+30 48.1	1.808	2.715	9.9	20.4
12 17	2 46.09	+30 40.0	1.876	2.713	13.2	20.6

261669 2005 YR_{155} 11 13.7 33°17 3°8/11.9 18

10 8	3 42.81	+ 8 11.8	1.842	2.672	14.4	19.5
10 18	3 38.02	+ 7 57.0	1.777	2.679	11.1	19.3
10 28	3 30.99	+ 7 43.7	1.733	2.686	7.5	19.1
11 7	3 22.44	+ 7 35.2	1.716	2.694	4.3	18.9
11 17	3 13.31	+ 7 34.6	1.727	2.702	4.4	18.9
11 27	3 4.71	+ 7 44.5	1.766	2.710	7.5	19.1
12 7	2 57.56	+ 8 6.1	1.831	2.719	11.0	19.4
12 17	2 52.55	+ 8 39.4	1.919	2.727	14.1	19.6

172654 2003 YL_{80} 11 13.7 186°38 5°1/10.9 18

10 8	3 44.48	+ 3 52.3	2.071	2.890	13.5	20.4
10 18	3 39.09	+ 3 24.6	1.997	2.890	10.6	20.2
10 28	3 31.61	+ 3 0.8	1.947	2.889	7.6	20.0
11 7	3 22.69	+ 2 45.1	1.923	2.889	5.4	19.9
11 17	3 13.19	+ 2 40.9	1.927	2.888	5.7	19.9
11 27	3 4.11	+ 2 50.9	1.960	2.887	8.2	20.0
12 7	2 56.35	+ 3 15.8	2.020	2.885	11.2	20.2
12 17	2 50.56	+ 3 54.9	2.103	2.884	14.0	20.4

404646 2014 HV_{32} 11 13.7 136°58 1°0/13.2 18

10 8	3 45.72	+15 26.5	2.036	2.849	13.8	21.3
10 18	3 40.14	+15 25.6	1.961	2.856	10.6	21.1
10 28	3 32.34	+15 20.7	1.909	2.862	6.9	20.9
11 7	3 23.00	+15 13.2	1.884	2.869	2.8	20.7
11 17	3 13.05	+15 5.0	1.889	2.874	1.9	20.6
11 27	3 3.57	+14 59.1	1.923	2.880	5.9	20.9
12 7	2 55.50	+14 58.2	1.985	2.885	9.6	21.1
12 17	2 49.55	+15 4.5	2.072	2.890	12.8	21.3

145136 2005 GY_{161} 11 13.7 100°66 1°3/14.6 18

10 8	3 44.93	+23 55.6	2.060	2.859	14.2	20.5
10 18	3 39.48	+23 42.2	1.993	2.877	11.0	20.3
10 28	3 31.83	+23 17.7	1.949	2.894	7.4	20.1
11 7	3 22.76	+22 43.0	1.931	2.912	3.5	19.9
11 17	3 13.21	+22 0.5	1.942	2.929	1.7	19.8
11 27	3 4.26	+21 14.6	1.983	2.945	5.2	20.1
12 7	2 56.82	+20 30.4	2.053	2.962	8.8	20.3
12 17	2 51.52	+19 52.4	2.148	2.978	12.0	20.6

438522 2007 RJ_{321} 11 13.7 16°71 5°6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.72	+ 9 14.1	1.510	2.358	16.1	20.3
10 18	3 36.09	+ 7 44.0	1.448	2.360	12.5	20.1
10 28	3 29.93	+ 6 10.6	1.408	2.363	8.6	19.9
11 7	3 22.05	+ 4 41.8	1.393	2.366	5.9	19.8
11 17	3 13.54	+ 3 26.1	1.404	2.370	6.6	19.8
11 27	3 5.65	+ 2 30.7	1.441	2.374	10.0	20.0
12 7	2 59.43	+ 1 59.4	1.503	2.379	13.7	20.3
12 17	2 55.59	+ 1 52.6	1.585	2.384	17.0	20.5

203232 2001 GM_{11} 11 13.7 278°76 17°1/28.1 18

10 8	3 45.80	−31 17.4	1.979	2.679	17.8	19.8
10 18	3 40.57	−33 3.2	1.935	2.661	17.3	19.7
10 28	3 32.79	−34 21.3	1.907	2.643	17.1	19.6
11 7	3 23.24	−35 2.7	1.896	2.625	17.3	19.6
11 17	3 12.97	−35 1.5	1.902	2.607	17.9	19.6
11 27	3 3.24	−34 15.9	1.924	2.589	18.8	19.6
12 7	2 55.14	−32 49.3	1.961	2.570	19.9	19.7
12 17	2 49.44	−30 47.8	2.011	2.552	20.9	19.8

79655 1998 SU_{23} 11 13.7 96°12 0°5/13.5 18

10 8	3 48.61	+17 40.9	1.569	2.391	16.9	19.6
10 18	3 42.86	+17 37.9	1.508	2.407	13.0	19.4
10 28	3 34.29	+17 27.6	1.468	2.423	8.4	19.1
11 7	3 23.83	+17 11.6	1.453	2.438	3.4	18.9
11 17	3 12.72	+16 52.5	1.466	2.453	1.8	18.8
11 27	3 2.36	+16 34.5	1.508	2.468	6.7	19.2
12 7	2 53.96	+16 21.8	1.576	2.483	11.1	19.5
12 17	2 48.25	+16 18.0	1.667	2.497	14.9	19.7

255486 2005 YZ_{275} 11 13.7 348°22 0°5/13.4 18

10 8	3 41.43	+17 49.6	1.989	2.809	13.9	20.4
10 18	3 37.03	+17 38.0	1.909	2.807	10.7	20.2
10 28	3 30.42	+17 19.8	1.851	2.806	6.9	20.0
11 7	3 22.26	+16 56.8	1.820	2.804	2.8	19.7
11 17	3 13.45	+16 31.4	1.817	2.803	1.6	19.6
11 27	3 5.04	+16 7.4	1.842	2.802	5.8	19.9
12 7	2 57.99	+15 48.6	1.895	2.801	9.6	20.2
12 17	2 53.00	+15 37.9	1.973	2.801	13.0	20.4

485327 2011 BZ_{75} 11 13.7 210°17 7°0/ 7.5 17

10 8	3 38.61	− 4 46.2	2.677	3.483	11.1	22.0
10 18	3 34.20	− 5 55.1	2.610	3.479	9.3	21.9
10 28	3 28.26	− 6 56.8	2.566	3.475	7.7	21.8
11 7	3 21.30	− 7 46.4	2.550	3.471	7.0	21.8
11 17	3 13.93	− 8 19.7	2.560	3.467	7.6	21.8
11 27	3 6.87	− 8 33.9	2.598	3.463	9.1	21.9
12 7	3 0.75	− 8 28.5	2.661	3.458	11.0	22.0
12 17	2 56.06	− 8 4.6	2.746	3.453	12.7	22.1

313032 2000 GQ_{180} 11 13.7 150°95 1°0/14.2 17

10 8	3 49.33	+20 54.0	1.409	2.231	18.4	21.5
10 18	3 44.03	+21 1.9	1.337	2.235	14.3	21.3
10 28	3 35.42	+20 59.2	1.285	2.238	9.5	21.0
11 7	3 24.42	+20 45.7	1.257	2.241	4.2	20.7
11 17	3 12.40	+20 23.3	1.256	2.243	1.9	20.6
11 27	3 1.07	+19 56.8	1.282	2.245	7.2	20.9
12 7	2 51.89	+19 32.2	1.334	2.247	12.2	21.2
12 17	2 45.83	+19 15.2	1.408	2.249	16.5	21.5

121614 1999 VA_{153} 11 13.7 48°35 1°4/12.9 18

10 8	3 43.07	+15 27.0	1.774	2.601	15.0	19.5
10 18	3 38.19	+15 10.4	1.721	2.624	11.4	19.3
10 28	3 31.06	+14 48.9	1.691	2.647	7.3	19.1
11 7	3 22.46	+14 25.2	1.686	2.670	3.0	18.9
11 17	3 13.43	+14 2.5	1.709	2.694	2.3	18.9
11 27	3 5.08	+13 44.5	1.761	2.718	6.3	19.2
12 7	2 58.32	+13 34.3	1.839	2.742	10.1	19.5
12 17	2 53.78	+13 34.1	1.941	2.766	13.3	19.7

6320 Bremen 11 13.7 84°63 1°5/14.6 18

10 8	3 47.53	+23 32.0	1.606	2.417	17.0	17.6
10 18	3 42.02	+23 25.5	1.546	2.437	13.2	17.5
10 28	3 33.73	+23 6.0	1.507	2.456	8.8	17.2
11 7	3 23.60	+22 34.4	1.493	2.475	4.1	17.0
11 17	3 12.88	+21 53.3	1.507	2.493	2.0	16.9
11 27	3 2.97	+21 8.3	1.549	2.512	6.2	17.2
12 7	2 55.02	+20 25.6	1.618	2.530	10.5	17.5
12 17	2 49.76	+19 50.6	1.710	2.548	14.2	17.8

112747 2002 PU_{132} 11 13.7 8°03 5°0/10.3 18

10 8	3 38.87	+ 5 38.4	2.105	2.935	12.9	19.2
10 18	3 34.79	+ 4 45.2	2.036	2.936	10.0	19.0
10 28	3 28.82	+ 3 53.6	1.990	2.937	7.1	18.9
11 7	3 21.58	+ 3 8.3	1.970	2.938	5.1	18.7
11 17	3 13.84	+ 2 33.9	1.979	2.939	5.6	18.8
11 27	3 6.50	+ 2 14.1	2.015	2.940	8.1	18.9
12 7	3 0.36	+ 2 10.9	2.077	2.942	10.9	19.1
12 17	2 56.01	+ 2 24.2	2.162	2.944	13.6	19.3

441273 2007 WF_1 11 13.7 50°.55 0°.4/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.57	+20 58.8	1.598	2.422	16.5	21.6
10 18	3 39.03	+20 43.6	1.535	2.434	12.7	21.4
10 28	3 31.84	+20 17.5	1.493	2.447	8.3	21.2
11 7	3 22.85	+19 42.3	1.476	2.460	3.5	20.9
11 17	3 13.24	+19 1.4	1.486	2.473	1.6	20.8
11 27	3 4.32	+18 20.1	1.524	2.487	6.3	21.2
12 7	2 57.20	+17 44.1	1.588	2.501	10.7	21.5
12 17	2 52.62	+17 17.6	1.675	2.515	14.4	21.7

169784 2002 PP_{133} 11 13.7 78°.21 6°.9/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.30	+ 2 20.6	1.770	2.601	14.9	19.8
10 18	3 37.61	+ 1 11.8	1.715	2.611	11.8	19.7
10 28	3 30.70	+ 0 7.9	1.682	2.622	8.8	19.5
11 7	3 22.34	− 0 44.4	1.675	2.632	7.0	19.4
11 17	3 13.49	− 1 19.5	1.695	2.643	7.6	19.5
11 27	3 5.24	− 1 33.5	1.741	2.653	10.0	19.7
12 7	2 58.50	− 1 25.5	1.811	2.663	12.9	19.9
12 17	2 53.88	− 0 57.1	1.903	2.674	15.6	20.1

383149 2005 UL_{267} 11 13.7 301°.14 1°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.80	+16 30.4	1.487	2.324	16.9	21.3
10 18	3 38.95	+16 4.9	1.401	2.309	13.1	21.0
10 28	3 32.16	+15 30.9	1.336	2.294	8.5	20.7
11 7	3 23.14	+14 51.2	1.295	2.280	3.6	20.4
11 17	3 13.05	+14 10.1	1.280	2.265	2.7	20.3
11 27	3 3.35	+13 33.7	1.292	2.251	7.8	20.6
12 7	2 55.40	+13 7.7	1.329	2.237	12.7	20.8
12 17	2 50.18	+12 56.0	1.387	2.223	17.0	21.0

197312 2003 WB_{142} 11 13.7 7°.06 9°.6/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.07	− 5 51.7	1.555	2.382	16.7	18.0
10 18	3 37.78	− 6 17.2	1.500	2.384	13.9	17.9
10 28	3 30.99	− 6 27.3	1.465	2.388	11.3	17.7
11 7	3 22.51	− 6 15.7	1.453	2.393	9.7	17.6
11 17	3 13.42	− 5 38.7	1.466	2.399	10.0	17.7
11 27	3 4.96	− 4 35.6	1.504	2.407	12.0	17.8
12 7	2 58.18	− 3 9.6	1.565	2.416	14.7	18.0
12 17	2 53.77	− 1 25.6	1.647	2.426	17.3	18.2

70037 1999 CX_{64} 11 13.7 342°.31 0°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 37.18	+24 43.4	1.758	2.578	15.4	18.1
10 18	3 34.19	+23 56.5	1.670	2.567	12.0	17.9
10 28	3 28.79	+22 53.2	1.604	2.556	8.1	17.6
11 7	3 21.67	+21 35.4	1.562	2.545	3.6	17.3
11 17	3 13.81	+20 7.9	1.549	2.536	1.5	17.2
11 27	3 6.40	+18 38.0	1.563	2.527	6.0	17.5
12 7	3 0.50	+17 13.8	1.604	2.520	10.4	17.7
12 17	2 56.84	+16 1.9	1.669	2.513	14.2	17.9

43180 1999 XT_{206} 11 13.7 223°.82 3°.4/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.55	+ 6 37.7	2.621	3.433	11.2	19.3
10 18	3 37.30	+ 6 24.4	2.535	3.426	8.7	19.1
10 28	3 30.34	+ 6 12.9	2.473	3.420	6.0	18.9
11 7	3 22.20	+ 6 5.8	2.440	3.413	3.7	18.8
11 17	3 13.55	+ 6 5.4	2.436	3.406	3.9	18.8
11 27	3 5.17	+ 6 13.7	2.463	3.398	6.2	18.9
12 7	2 57.79	+ 6 31.9	2.518	3.391	9.0	19.1
12 17	2 51.96	+ 7 0.1	2.599	3.383	11.5	19.2

287900 2003 SU_{413} 11 13.7 322°.21 1°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.49	+22 18.9	2.051	2.861	13.9	21.3
10 18	3 37.20	+22 26.0	1.961	2.852	10.9	21.1
10 28	3 30.63	+22 24.4	1.894	2.843	7.3	20.9
11 7	3 22.42	+22 14.0	1.853	2.834	3.4	20.6
11 17	3 13.44	+21 56.2	1.839	2.826	1.7	20.5
11 27	3 4.77	+21 33.9	1.855	2.818	5.4	20.7
12 7	2 57.44	+21 11.2	1.898	2.810	9.2	21.0
12 17	2 52.19	+20 52.4	1.965	2.802	12.7	21.2

388255 2006 OO_{16} 11 13.7 85°.24 2°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.67	+12 5.4	1.871	2.694	14.5	21.3
10 18	3 39.26	+11 29.0	1.815	2.716	11.0	21.2
10 28	3 31.69	+10 50.0	1.783	2.738	7.2	21.0
11 7	3 22.72	+10 12.3	1.778	2.759	3.6	20.8
11 17	3 13.35	+ 9 39.7	1.801	2.780	3.6	20.8
11 27	3 4.64	+ 9 16.4	1.853	2.801	6.9	21.1
12 7	2 57.48	+ 9 4.9	1.932	2.821	10.4	21.3
12 17	2 52.46	+ 9 6.5	2.035	2.841	13.5	21.6

263772 2008 KE_{34} 11 13.7 75°.94 4°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.95	+ 3 43.5	2.238	3.058	12.6	20.6
10 18	3 36.84	+ 3 5.5	2.186	3.078	9.8	20.5
10 28	3 29.97	+ 2 31.4	2.157	3.098	7.0	20.3
11 7	3 22.00	+ 2 5.4	2.155	3.119	5.1	20.3
11 17	3 13.70	+ 1 50.7	2.182	3.139	5.5	20.3
11 27	3 5.91	+ 1 49.6	2.238	3.159	7.6	20.5
12 7	2 59.35	+ 2 3.0	2.320	3.179	10.2	20.7
12 17	2 54.54	+ 2 30.0	2.426	3.199	12.5	20.9

398314 2011 FO_{100} 11 13.7 186°.35 1°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.24	+17 42.6	1.977	2.790	14.2	21.9
10 18	3 39.91	+17 3.4	1.894	2.790	10.9	21.7
10 28	3 32.27	+16 15.7	1.836	2.789	7.1	21.5
11 7	3 23.04	+15 22.4	1.804	2.788	2.9	21.2
11 17	3 13.17	+14 27.4	1.801	2.786	2.1	21.2
11 27	3 3.77	+13 36.1	1.828	2.784	6.2	21.4
12 7	2 55.84	+12 53.3	1.883	2.781	10.2	21.6
12 17	2 50.06	+12 22.8	1.963	2.777	13.6	21.9

22007 1999 XQ_{57} 11 13.7 145°.99 0°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.57	+21 20.5	2.346	3.151	12.5	19.1
10 18	3 36.01	+20 45.5	2.264	3.154	9.6	18.9
10 28	3 29.58	+20 1.1	2.206	3.156	6.3	18.7
11 7	3 21.90	+19 9.2	2.175	3.159	2.6	18.5
11 17	3 13.74	+18 13.2	2.174	3.161	1.2	18.4
11 27	3 5.98	+17 17.2	2.203	3.163	4.9	18.6
12 7	2 59.42	+16 26.0	2.261	3.165	8.4	18.9
12 17	2 54.64	+15 43.3	2.345	3.167	11.4	19.1

323334 2003 UW_{185} 11 13.7 126°.66 1°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.27	+24 3.4	2.468	3.258	12.4	21.1
10 18	3 38.08	+24 16.9	2.386	3.263	9.7	20.9
10 28	3 30.95	+24 21.8	2.327	3.269	6.6	20.7
11 7	3 22.48	+24 18.1	2.296	3.274	3.4	20.5
11 17	3 13.45	+24 6.5	2.294	3.278	1.9	20.4
11 27	3 4.77	+23 49.2	2.322	3.283	4.7	20.6
12 7	2 57.29	+23 29.7	2.380	3.288	7.8	20.8
12 17	2 51.61	+23 11.6	2.463	3.292	10.7	21.0

304468 2006 UV_{56} 11 13.7 233°.08 2°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.51	+14 40.3	2.135	2.955	13.0	20.9
10 18	3 36.92	+13 42.1	2.047	2.947	10.0	20.6
10 28	3 30.29	+12 37.0	1.983	2.938	6.5	20.4
11 7	3 22.23	+11 29.0	1.947	2.929	3.1	20.2
11 17	3 13.57	+10 22.9	1.940	2.920	3.2	20.2
11 27	3 5.27	+ 9 24.1	1.963	2.910	6.6	20.4
12 7	2 58.22	+ 8 37.3	2.013	2.900	10.2	20.6
12 17	2 53.06	+ 8 5.3	2.088	2.890	13.3	20.8

351790 2006 HW_{46} 11 13.7 170°.21 1°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.64	+15 32.5	1.983	2.800	14.0	21.5
10 18	3 39.43	+15 12.4	1.905	2.803	10.7	21.3
10 28	3 31.95	+14 47.0	1.850	2.805	7.0	21.1
11 7	3 22.92	+14 18.7	1.822	2.806	2.9	20.8
11 17	3 13.25	+13 50.4	1.823	2.808	2.3	20.8
11 27	3 4.03	+13 26.2	1.853	2.808	6.2	21.1
12 7	2 56.24	+13 9.5	1.911	2.809	10.0	21.3
12 17	2 50.57	+13 2.9	1.993	2.809	13.3	21.5

199935 2007 GB_{48} 11 13.7 89°.28 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.45	+16 33.3	2.391	3.202	12.1	21.0
10 18	3 36.51	+16 12.8	2.324	3.218	9.2	20.9
10 28	3 29.81	+15 47.3	2.281	3.234	5.9	20.7
11 7	3 21.96	+15 18.9	2.266	3.250	2.4	20.5
11 17	3 13.73	+14 50.3	2.280	3.266	1.7	20.5
11 27	3 5.94	+14 24.5	2.325	3.281	5.1	20.7
12 7	2 59.33	+14 4.6	2.398	3.296	8.3	21.0
12 17	2 54.43	+13 52.6	2.497	3.311	11.0	21.2

74172 1998 RX_7 11 13.7 74°.07 2°.6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.88	+13 24.8	1.751	2.581	15.0	19.6
10 18	3 38.24	+12 47.0	1.683	2.588	11.5	19.4
10 28	3 31.23	+12 4.8	1.639	2.595	7.5	19.2
11 7	3 22.62	+11 22.0	1.619	2.602	3.6	19.0
11 17	3 13.41	+10 43.0	1.628	2.609	3.5	19.0
11 27	3 4.76	+10 12.7	1.665	2.616	7.2	19.2
12 7	2 57.68	+ 9 54.7	1.728	2.623	11.1	19.5
12 17	2 52.85	+ 9 50.8	1.814	2.630	14.5	19.7

492868 2014 QE_{378} 11 13.7 296°.63 3°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.89	+11 31.3	2.183	3.010	12.6	21.4
10 18	3 34.85	+10 35.5	2.100	3.003	9.6	21.2
10 28	3 28.91	+ 9 35.9	2.041	2.995	6.4	21.0
11 7	3 21.66	+ 8 36.6	2.010	2.988	3.6	20.8
11 17	3 13.86	+ 7 42.4	2.007	2.981	3.9	20.8
11 27	3 6.40	+ 6 58.0	2.033	2.974	6.9	21.0
12 7	3 0.09	+ 6 26.9	2.086	2.967	10.2	21.2
12 17	2 55.55	+ 6 11.0	2.163	2.961	13.1	21.4

38844 2000 SW_{58} 11 13.7 255°.04 3°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.11	+25 25.2	1.430	2.244	18.6	19.8
10 18	3 43.35	+25 47.9	1.351	2.240	14.8	19.5
10 28	3 35.18	+25 56.7	1.291	2.236	10.3	19.3
11 7	3 24.44	+25 49.4	1.254	2.232	5.6	19.0
11 17	3 12.49	+25 26.2	1.244	2.228	3.4	18.8
11 27	3 1.10	+24 51.3	1.260	2.223	7.3	19.1
12 7	2 51.84	+24 11.9	1.301	2.219	12.1	19.3
12 17	2 45.77	+23 35.9	1.365	2.214	16.5	19.6

28905 2000 *MQ* 11 13.7 13°.05 4°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 38.54	+11 16.2	1.483	2.333	16.3	17.5
10 18	3 35.28	+10 2.5	1.421	2.336	12.5	17.2
10 28	3 29.47	+ 8 44.3	1.382	2.340	8.4	17.0
11 7	3 21.93	+ 7 28.4	1.366	2.345	5.0	16.8
11 17	3 13.76	+ 6 22.4	1.377	2.351	5.5	16.9
11 27	3 6.20	+ 5 33.1	1.414	2.357	9.1	17.1
12 7	3 0.33	+ 5 4.5	1.475	2.364	13.0	17.4
12 17	2 56.83	+ 4 57.8	1.558	2.373	16.5	17.6

1313 Berna 11 13.7 8°.71 9°.3/19.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.45	+39 50.1	1.329	2.110	21.4	14.9
10 18	3 38.81	+40 29.4	1.262	2.112	18.3	14.7
10 28	3 32.43	+40 40.1	1.211	2.115	14.8	14.5
11 7	3 23.31	+40 16.6	1.180	2.120	11.5	14.3
11 17	3 13.08	+39 17.5	1.171	2.125	9.4	14.2
11 27	3 3.72	+37 48.4	1.186	2.132	10.1	14.3
12 7	2 56.89	+36 1.2	1.225	2.141	12.8	14.4
12 17	2 53.54	+34 9.4	1.285	2.150	16.2	14.7

123935 2001 EX_{14} 11 13.8 186°.59 7°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.92	− 4 10.3	2.541	3.347	11.6	20.0
10 18	3 35.27	− 5 10.3	2.475	3.347	9.6	19.8
10 28	3 29.01	− 6 2.8	2.433	3.346	7.9	19.7
11 7	3 21.67	− 6 42.8	2.418	3.346	7.0	19.7
11 17	3 13.92	− 7 6.4	2.430	3.345	7.5	19.7
11 27	3 6.51	− 7 11.0	2.469	3.344	9.1	19.8
12 7	3 0.12	− 6 56.2	2.534	3.342	11.1	19.9
12 17	2 55.26	− 6 23.5	2.620	3.341	13.0	20.1

73031 2002 EM_{80} 11 13.8 116°.70 1°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.50	+23 53.2	1.992	2.788	14.7	20.8
10 18	3 41.62	+23 57.6	1.922	2.804	11.5	20.7
10 28	3 33.36	+23 51.2	1.875	2.819	7.7	20.5
11 7	3 23.49	+23 34.1	1.854	2.834	3.8	20.3
11 17	3 13.06	+23 7.9	1.863	2.848	2.0	20.2
11 27	3 3.21	+22 36.2	1.901	2.862	5.4	20.4
12 7	2 54.97	+22 3.8	1.967	2.876	9.2	20.7
12 17	2 49.03	+21 35.4	2.058	2.888	12.4	20.9

303512 2005 EN_{183} 11 13.8 157°.24 2°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.54	+25 18.2	2.012	2.807	14.6	21.1
10 18	3 40.29	+25 27.5	1.930	2.810	11.5	20.9
10 28	3 32.63	+25 25.5	1.871	2.812	7.9	20.7
11 7	3 23.25	+25 11.5	1.838	2.815	4.2	20.4
11 17	3 13.16	+24 46.7	1.833	2.817	2.4	20.3
11 27	3 3.52	+24 14.4	1.858	2.819	5.6	20.5
12 7	2 55.40	+23 39.6	1.910	2.821	9.3	20.8
12 17	2 49.54	+23 7.4	1.987	2.822	12.6	21.0

433658 2014 BO_{26} 11 13.8 353°.26 2°.5/15.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 38.04	+27 56.7	2.567	3.353	12.1	21.1
10 18	3 34.14	+27 55.3	2.478	3.350	9.6	20.9
10 28	3 28.44	+27 42.8	2.412	3.347	6.8	20.7
11 7	3 21.49	+27 19.2	2.373	3.345	3.9	20.6
11 17	3 14.01	+26 45.6	2.362	3.343	2.5	20.5
11 27	3 6.85	+26 5.0	2.381	3.341	4.6	20.6
12 7	3 0.77	+25 21.5	2.428	3.340	7.5	20.8
12 17	2 56.37	+24 39.4	2.501	3.339	10.2	21.0

334186 2001 SK_{170} 11 13.8 127°.73 4°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.09	+30 7.8	1.747	2.532	16.9	20.8
10 18	3 42.64	+30 17.9	1.672	2.541	13.6	20.6
10 28	3 34.30	+30 10.9	1.618	2.549	9.8	20.4
11 7	3 23.96	+29 45.2	1.589	2.557	6.0	20.2
11 17	3 12.83	+29 1.6	1.587	2.565	4.1	20.1
11 27	3 2.38	+28 5.0	1.613	2.572	6.5	20.3
12 7	2 53.84	+27 2.8	1.667	2.579	10.3	20.5
12 17	2 48.04	+26 2.7	1.744	2.586	13.8	20.8

185706 1998 QX_{69} 11 13.8 72°.16 1°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.57	+24 46.9	1.411	2.229	18.6	19.5
10 18	3 42.33	+24 23.4	1.357	2.251	14.5	19.3
10 28	3 34.05	+23 43.5	1.323	2.273	9.7	19.1
11 7	3 23.80	+22 48.9	1.313	2.295	4.5	18.9
11 17	3 12.99	+21 44.1	1.330	2.316	2.1	18.8
11 27	3 3.17	+20 36.6	1.374	2.338	6.7	19.1
12 7	2 55.56	+19 34.4	1.444	2.360	11.3	19.5
12 17	2 50.87	+18 44.0	1.537	2.381	15.2	19.8

124310 2001 QS_{72} 11 13.8 21°.32 8°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.87	+ 3 47.8	1.018	1.887	20.5	18.1
10 18	3 37.81	+ 2 54.1	0.978	1.898	16.1	17.9
10 28	3 31.41	+ 2 8.4	0.957	1.911	11.7	17.7
11 7	3 22.79	+ 1 39.2	0.956	1.926	8.5	17.6
11 17	3 13.48	+ 1 33.5	0.977	1.942	9.0	17.7
11 27	3 5.18	+ 1 54.5	1.021	1.959	12.4	17.9
12 7	2 59.20	+ 2 40.9	1.086	1.978	16.4	18.2
12 17	2 56.30	+ 3 48.4	1.169	1.999	20.0	18.5

37441 2700 *P–L* 11 13.8 64°.38 1°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.73	+16 27.6	1.585	2.416	16.3	19.3
10 18	3 39.17	+15 53.6	1.519	2.424	12.5	19.1
10 28	3 31.98	+15 11.9	1.474	2.432	8.0	18.8
11 7	3 23.00	+14 26.0	1.455	2.440	3.4	18.6
11 17	3 13.35	+13 40.5	1.463	2.448	2.7	18.6
11 27	3 4.35	+13 1.2	1.499	2.456	7.1	18.9
12 7	2 57.11	+12 32.7	1.560	2.464	11.5	19.1
12 17	2 52.37	+12 18.2	1.644	2.473	15.1	19.4

295116 2008 FR_{8} 11 13.8 296°.40 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.71	+18 14.9	1.362	2.199	18.1	21.6
10 18	3 40.81	+18 5.8	1.277	2.185	14.1	21.3
10 28	3 33.61	+17 47.2	1.212	2.170	9.3	21.0
11 7	3 23.87	+17 20.6	1.170	2.155	3.8	20.7
11 17	3 12.87	+16 49.3	1.154	2.141	2.1	20.5
11 27	3 2.26	+16 18.8	1.164	2.127	7.9	20.8
12 7	2 53.62	+15 55.3	1.198	2.113	13.2	21.1
12 17	2 48.03	+15 43.9	1.254	2.099	17.9	21.3

179730 2002 RY_{96} 11 13.8 59°.01 4°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.03	+11 35.6	1.316	2.163	18.1	19.5
10 18	3 39.64	+10 26.8	1.264	2.177	13.8	19.3
10 28	3 32.35	+ 9 13.8	1.233	2.191	9.2	19.1
11 7	3 23.14	+ 8 3.7	1.226	2.205	5.2	18.9
11 17	3 13.33	+ 7 4.2	1.244	2.220	5.6	19.0
11 27	3 4.38	+ 6 22.3	1.289	2.235	9.5	19.2
12 7	2 57.47	+ 6 1.5	1.357	2.250	13.7	19.5
12 17	2 53.32	+ 6 2.4	1.447	2.264	17.4	19.8

422170 2014 RZ_{16} 11 13.8 23°.13 9°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 55.03	+40 21.3	2.063	2.782	16.7	20.4
10 18	3 48.60	+42 17.0	1.985	2.786	14.5	20.2
10 28	3 38.71	+43 56.9	1.927	2.791	12.1	20.1
11 7	3 26.03	+45 13.4	1.894	2.797	10.2	20.0
11 17	3 11.81	+46 0.6	1.887	2.802	9.3	19.9
11 27	2 57.79	+46 17.4	1.906	2.808	9.9	20.0
12 7	2 45.68	+46 8.3	1.952	2.815	11.6	20.1
12 17	2 36.69	+45 41.4	2.021	2.822	13.7	20.3

128172 2003 RA_{4} 11 13.8 226°.05 0°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.51	+21 11.9	2.361	3.165	12.5	20.2
10 18	3 36.83	+21 2.2	2.274	3.162	9.7	20.0
10 28	3 30.22	+20 44.5	2.210	3.159	6.4	19.8
11 7	3 22.25	+20 19.7	2.173	3.156	2.8	19.6
11 17	3 13.71	+19 49.7	2.166	3.153	1.2	19.4
11 27	3 5.50	+19 17.9	2.188	3.150	4.9	19.7
12 7	2 58.47	+18 48.0	2.240	3.147	8.3	19.9
12 17	2 53.23	+18 23.5	2.316	3.143	11.3	20.1

379148 2009 PR_{6} 11 13.8 168°.20 0°.4/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.29	+22 36.1	1.665	2.478	16.4	21.3
10 18	3 41.18	+21 57.0	1.587	2.481	12.8	21.0
10 28	3 33.33	+21 3.6	1.532	2.483	8.4	20.8
11 7	3 23.58	+19 58.2	1.502	2.485	3.6	20.5
11 17	3 13.10	+18 45.1	1.500	2.487	1.6	20.4
11 27	3 3.25	+17 31.5	1.527	2.488	6.5	20.7
12 7	2 55.21	+16 24.9	1.580	2.489	11.0	21.0
12 17	2 49.76	+15 31.2	1.658	2.489	14.9	21.2

521745 2015 RM_{273} 11 13.8 311°.93 6°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.68	+ 1 36.0	2.025	2.853	13.4	21.5
10 18	3 35.55	+ 0 27.4	1.954	2.848	10.7	21.3
10 28	3 29.42	− 0 37.3	1.907	2.843	8.2	21.1
11 7	3 21.93	− 1 31.8	1.886	2.839	6.7	21.0
11 17	3 13.88	− 2 10.9	1.892	2.835	7.3	21.1
11 27	3 6.23	− 2 30.2	1.924	2.831	9.6	21.2
12 7	2 59.81	− 2 28.5	1.982	2.826	12.3	21.4
12 17	2 55.25	− 2 6.6	2.061	2.823	14.8	21.6

19489 1998 HL_{149} 11 13.8 205°.21 1°.1/14.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.18	+21 50.2	2.043	2.844	14.2	18.5
10 18	3 40.78	+21 54.9	1.955	2.841	11.1	18.3
10 28	3 32.97	+21 50.8	1.890	2.837	7.4	18.1
11 7	3 23.44	+21 38.0	1.851	2.833	3.4	17.8
11 17	3 13.14	+21 17.8	1.842	2.828	1.6	17.7
11 27	3 3.22	+20 53.3	1.862	2.823	5.5	18.0
12 7	2 54.73	+20 28.8	1.910	2.818	9.5	18.2
12 17	2 48.44	+20 8.7	1.983	2.812	12.9	18.4

186455 2002 SS_{56} 11 13.8 18°.40 6°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.56	+ 7 48.3	1.185	2.042	19.0	19.0
10 18	3 38.94	+ 6 58.1	1.129	2.046	14.8	18.7
10 28	3 32.15	+ 6 8.8	1.093	2.051	10.2	18.5
11 7	3 23.15	+ 5 27.6	1.080	2.056	6.5	18.3
11 17	3 13.33	+ 5 1.6	1.090	2.063	6.9	18.4
11 27	3 4.30	+ 4 55.9	1.125	2.070	10.7	18.6
12 7	2 57.40	+ 5 12.5	1.183	2.078	15.1	18.9
12 17	2 53.46	+ 5 50.1	1.259	2.086	19.0	19.2

472654 2015 DE_{218} 11 13.8 193°.75 1°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.61	+24 25.1	2.025	2.818	14.6	22.3
10 18	3 41.87	+24 8.0	1.936	2.816	11.5	22.1
10 28	3 33.67	+23 38.5	1.869	2.813	7.8	21.9
11 7	3 23.73	+22 56.9	1.830	2.810	3.7	21.6
11 17	3 13.05	+22 5.4	1.819	2.805	1.8	21.5
11 27	3 2.83	+21 8.8	1.839	2.800	5.6	21.7
12 7	2 54.15	+20 13.1	1.887	2.794	9.6	21.9
12 17	2 47.76	+19 23.9	1.960	2.787	13.1	22.2

215719 2004 BR_{94} 11 13.8 271°.72 2°.1/15.2 18

10 8	3 42.74	+26 48.1	1.984	2.781	14.7	20.4
10 18	3 38.34	+26 24.3	1.886	2.767	11.7	20.2
10 28	3 31.49	+25 45.1	1.811	2.753	8.1	20.0
11 7	3 22.88	+24 51.0	1.761	2.739	4.2	19.7
11 17	3 13.46	+23 44.3	1.739	2.724	2.2	19.5
11 27	3 4.41	+22 30.3	1.747	2.710	5.7	19.7
12 7	2 56.83	+21 16.1	1.782	2.695	9.7	19.9
12 17	2 51.48	+20 8.3	1.842	2.680	13.3	20.1

37375 2001 VY_{39} 11 13.8 99°.45 1°.3/13.1 18

10 8	3 47.50	+13 42.7	2.213	3.020	13.1	18.5
10 18	3 41.24	+13 50.9	2.149	3.040	10.0	18.3
10 28	3 32.95	+13 56.9	2.109	3.060	6.4	18.1
11 7	3 23.35	+14 1.8	2.096	3.080	2.7	17.9
11 17	3 13.28	+14 7.2	2.114	3.099	2.0	17.9
11 27	3 3.74	+14 14.8	2.163	3.118	5.5	18.2
12 7	2 55.58	+14 26.8	2.241	3.136	8.9	18.4
12 17	2 49.39	+14 44.4	2.344	3.154	11.8	18.7

473295 2015 QO 11 13.8 46°.64 6°.3/ 9.8 18

10 8	3 40.78	+ 6 46.9	1.557	2.400	15.9	20.1
10 18	3 36.71	+ 5 14.8	1.508	2.416	12.4	19.9
10 28	3 30.25	+ 3 43.7	1.481	2.431	8.8	19.8
11 7	3 22.26	+ 2 21.4	1.480	2.447	6.5	19.7
11 17	3 13.82	+ 1 15.6	1.505	2.464	7.2	19.8
11 27	3 6.07	+ 0 32.0	1.557	2.481	10.1	20.0
12 7	2 59.99	+ 0 12.8	1.632	2.498	13.4	20.2
12 17	2 56.18	+ 0 17.1	1.728	2.516	16.3	20.5

81431 2000 GU_{106} 11 13.8 120°.31 2°.3/15.1 18

10 8	3 46.60	+24 53.5	2.138	2.928	14.0	19.2
10 18	3 40.93	+25 12.3	2.062	2.938	11.0	19.0
10 28	3 32.97	+25 21.0	2.009	2.948	7.6	18.8
11 7	3 23.42	+25 19.0	1.982	2.958	4.0	18.6
11 17	3 13.24	+25 6.7	1.984	2.968	2.4	18.5
11 27	3 3.53	+24 46.9	2.017	2.977	5.3	18.7
12 7	2 55.28	+24 23.8	2.077	2.986	8.8	19.0
12 17	2 49.19	+24 1.9	2.163	2.995	11.9	19.2

412029 2013 CK_{84} 11 13.8 35°.11 16°.6/20.8 18

10 8	4 0.03	+47 31.9	1.246	1.973	25.2	21.0
10 18	3 55.42	+50 3.8	1.182	1.975	22.8	20.8
10 28	3 44.89	+52 8.9	1.133	1.976	20.2	20.7
11 7	3 29.11	+53 31.6	1.100	1.977	18.0	20.5
11 17	3 10.35	+53 58.7	1.087	1.979	16.7	20.5
11 27	2 52.28	+53 27.8	1.094	1.981	16.9	20.5
12 7	2 38.29	+52 10.0	1.121	1.983	18.4	20.6
12 17	2 30.28	+50 24.0	1.165	1.984	20.7	20.7

74403 1998 YR_5 11 13.8 175°.81 6°.9/20.6 18

10 8	3 45.88	+44 39.2	2.772	3.458	13.5	18.9
10 18	3 40.39	+44 59.8	2.681	3.459	11.7	18.8
10 28	3 32.62	+45 2.1	2.610	3.459	9.8	18.6
11 7	3 23.28	+44 43.1	2.562	3.460	8.1	18.5
11 17	3 13.31	+44 1.9	2.541	3.460	7.0	18.4
11 27	3 3.83	+43 0.4	2.547	3.461	7.2	18.5
12 7	2 55.80	+41 44.0	2.581	3.461	8.5	18.5
12 17	2 49.92	+40 19.1	2.642	3.460	10.4	18.7

237268 2008 WM_{102} 11 13.8 2°.86 8°.5/ 8.8 18

10 8	3 42.28	− 0 38.3	1.669	2.500	15.6	19.9
10 18	3 37.89	− 1 58.5	1.608	2.500	12.7	19.7
10 28	3 31.10	− 3 11.8	1.568	2.500	10.0	19.5
11 7	3 22.68	− 4 10.2	1.554	2.500	8.6	19.4
11 17	3 13.62	− 4 46.9	1.565	2.500	9.3	19.5
11 27	3 5.11	− 4 57.5	1.601	2.500	11.7	19.6
12 7	2 58.15	− 4 41.5	1.661	2.501	14.5	19.8
12 17	2 53.44	− 4 1.4	1.740	2.501	17.2	20.0

277149 2005 MM_9 11 13.8 50°.75 4°.0/16.1 18

10 8	3 45.76	+29 33.9	1.324	2.137	19.9	20.3
10 18	3 41.47	+29 27.8	1.264	2.150	15.9	20.0
10 28	3 33.80	+29 0.2	1.223	2.164	11.2	19.8
11 7	3 23.84	+28 10.4	1.204	2.178	6.5	19.6
11 17	3 13.10	+27 1.5	1.211	2.193	4.0	19.5
11 27	3 3.32	+25 41.5	1.243	2.207	7.2	19.7
12 7	2 55.90	+24 20.7	1.301	2.223	11.7	20.0
12 17	2 51.64	+23 8.5	1.381	2.238	15.8	20.3

72825 2001 HZ_5 11 13.8 129°.31 1°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.13	+21 23.8	2.409	3.204	12.5	18.3
10 18	3 39.62	+21 51.6	2.324	3.205	9.7	18.1
10 28	3 32.07	+22 13.3	2.262	3.207	6.5	17.9
11 7	3 23.07	+22 28.3	2.229	3.209	3.1	17.7
11 17	3 13.42	+22 36.8	2.225	3.211	1.6	17.6
11 27	3 4.08	+22 40.4	2.252	3.212	4.8	17.8
12 7	2 55.93	+22 41.5	2.307	3.214	8.1	18.0
12 17	2 49.65	+22 43.3	2.389	3.216	11.1	18.2

356566 2011 SR_{209} 11 13.8 353°.58 3°.7/15.4 17

10 8	3 43.69	+25 49.7	1.463	2.282	18.0	21.2
10 18	3 39.90	+26 25.8	1.386	2.277	14.4	20.9
10 28	3 32.94	+26 49.0	1.329	2.274	10.2	20.7
11 7	3 23.60	+26 56.9	1.295	2.271	5.8	20.4
11 17	3 13.14	+26 49.1	1.287	2.269	3.8	20.3
11 27	3 3.19	+26 28.6	1.305	2.268	7.1	20.5
12 7	2 55.21	+26 1.9	1.348	2.268	11.6	20.7
12 17	2 50.19	+25 35.5	1.413	2.268	15.6	21.0

388227 2006 JG_{47} 11 13.8 164°.53 6°.1/10.0 18

10 8	3 43.42	+ 3 15.6	1.958	2.781	13.9	20.9
10 18	3 38.41	+ 2 16.7	1.890	2.784	11.0	20.7
10 28	3 31.29	+ 1 21.3	1.846	2.787	8.1	20.5
11 7	3 22.72	+ 0 34.9	1.829	2.789	6.2	20.4
11 17	3 13.61	+ 0 2.7	1.839	2.791	6.7	20.5
11 27	3 4.98	− 0 11.4	1.876	2.792	9.2	20.6
12 7	2 57.71	− 0 6.2	1.940	2.794	12.1	20.8
12 17	2 52.46	+ 0 17.6	2.025	2.795	14.8	21.0

189505 2000 CF_{80} 11 13.8 214°.14 3°.8/11.4 18

10 8	3 45.08	+10 19.3	1.945	2.767	14.1	21.3
10 18	3 39.87	+ 9 29.7	1.861	2.760	10.9	21.0
10 28	3 32.36	+ 8 37.2	1.801	2.752	7.3	20.8
11 7	3 23.22	+ 7 46.0	1.767	2.744	4.3	20.6
11 17	3 13.36	+ 7 1.3	1.762	2.735	4.5	20.6
11 27	3 3.90	+ 6 27.7	1.786	2.726	7.8	20.8
12 7	2 55.84	+ 6 9.0	1.837	2.716	11.4	21.0
12 17	2 49.90	+ 6 6.5	1.911	2.705	14.7	21.2

256087 2006 UY_{207} 11 13.8 286°.79 0°.3/13.9 18

10 8	3 42.91	+19 49.6	1.938	2.754	14.4	21.2
10 18	3 38.41	+19 43.5	1.849	2.744	11.1	21.0
10 28	3 31.53	+19 29.2	1.782	2.735	7.3	20.8
11 7	3 22.92	+19 7.7	1.742	2.726	3.1	20.5
11 17	3 13.50	+18 41.2	1.729	2.716	1.4	20.3
11 27	3 4.44	+18 13.3	1.745	2.707	5.8	20.6
12 7	2 56.77	+17 48.6	1.789	2.698	9.9	20.9
12 17	2 51.29	+17 30.9	1.857	2.689	13.5	21.1

226825 2004 RN_{295} 11 13.8 5°.95 1°.3/12.9 18

10 8	3 39.98	+16 58.5	1.843	2.671	14.5	20.4
10 18	3 36.08	+16 25.9	1.768	2.672	11.1	20.2
10 28	3 29.93	+15 46.0	1.715	2.672	7.1	19.9
11 7	3 22.21	+15 1.6	1.689	2.674	3.0	19.7
11 17	3 13.87	+14 16.8	1.690	2.675	2.2	19.6
11 27	3 5.99	+13 36.5	1.719	2.677	6.3	19.9
12 7	2 59.54	+13 5.3	1.775	2.680	10.3	20.1
12 17	2 55.21	+12 46.1	1.855	2.683	13.7	20.4

321558 2009 SX_{337} 11 13.8 62°.85 1°.5/14.9 18

10 8	3 41.31	+25 13.5	2.135	2.935	13.7	19.8
10 18	3 36.83	+24 49.4	2.060	2.943	10.7	19.6
10 28	3 30.26	+24 13.1	2.007	2.952	7.2	19.4
11 7	3 22.30	+23 25.7	1.981	2.961	3.5	19.2
11 17	3 13.84	+22 29.9	1.984	2.970	1.7	19.1
11 27	3 5.88	+21 30.6	2.016	2.979	5.0	19.3
12 7	2 59.30	+20 33.2	2.076	2.988	8.6	19.6
12 17	2 54.70	+19 42.5	2.162	2.997	11.7	19.8

480731 2016 NB_2 11 13.8 70°.00 4°.9/11.4 18

10 8	3 45.79	+10 13.5	1.334	2.178	18.1	21.0
10 18	3 40.93	+ 9 13.5	1.285	2.195	13.8	20.7
10 28	3 33.17	+ 8 11.6	1.256	2.212	9.3	20.5
11 7	3 23.52	+ 7 14.5	1.251	2.229	5.4	20.4
11 17	3 13.30	+ 6 28.9	1.272	2.246	5.7	20.4
11 27	3 3.97	+ 6 0.6	1.319	2.263	9.5	20.7
12 7	2 56.71	+ 5 52.5	1.390	2.280	13.6	21.0
12 17	2 52.21	+ 6 4.4	1.482	2.297	17.2	21.3

9539 Prishvin 11 13.8 7°.44 0°.7/13.4 18

10 8	3 39.50	+17 59.4	1.721	2.553	15.2	17.7
10 18	3 35.89	+17 39.4	1.649	2.555	11.6	17.4
10 28	3 29.88	+17 11.5	1.599	2.557	7.5	17.2
11 7	3 22.21	+16 38.1	1.574	2.560	3.1	16.9
11 17	3 13.87	+16 2.8	1.577	2.563	1.8	16.9
11 27	3 6.03	+15 30.2	1.607	2.568	6.3	17.2
12 7	2 59.72	+15 5.0	1.662	2.573	10.4	17.4
12 17	2 55.64	+14 50.2	1.742	2.579	14.0	17.7

337702 2001 TZ_{259} 11 13.8 352°.27 4°.2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.95	+11 48.7	1.412	2.259	17.1	20.6
10 18	3 38.18	+10 52.8	1.344	2.256	13.2	20.4
10 28	3 31.57	+ 9 51.9	1.296	2.255	8.8	20.1
11 7	3 22.95	+ 8 51.9	1.273	2.253	4.8	19.9
11 17	3 13.52	+ 7 59.7	1.275	2.252	5.1	19.9
11 27	3 4.68	+ 7 22.0	1.303	2.251	9.1	20.1
12 7	2 57.67	+ 7 3.1	1.356	2.251	13.5	20.4
12 17	2 53.31	+ 7 4.4	1.429	2.252	17.3	20.7

445669 2011 UE_{88} 11 13.8 82°.93 0°.7/13.4 18

10 8	3 44.52	+16 39.8	1.920	2.738	14.4	20.9
10 18	3 39.48	+16 38.8	1.844	2.741	11.0	20.7
10 28	3 32.12	+16 32.6	1.791	2.745	7.2	20.5
11 7	3 23.12	+16 22.6	1.764	2.748	2.9	20.2
11 17	3 13.45	+16 10.9	1.765	2.752	1.7	20.1
11 27	3 4.23	+16 0.6	1.796	2.755	5.9	20.4
12 7	2 56.48	+15 55.0	1.854	2.759	9.9	20.7
12 17	2 50.91	+15 56.7	1.936	2.762	13.3	20.9

219224 1999 VW_{137} 11 13.8 1°.59 1°.3/13.2 18

10 8	3 42.91	+14 20.1	1.765	2.594	15.0	19.5
10 18	3 38.48	+14 29.8	1.690	2.593	11.5	19.3
10 28	3 31.58	+14 36.8	1.636	2.593	7.5	19.1
11 7	3 22.94	+14 42.6	1.608	2.593	3.2	18.8
11 17	3 13.53	+14 48.9	1.608	2.594	2.2	18.8
11 27	3 4.55	+14 58.1	1.636	2.595	6.4	19.0
12 7	2 57.09	+15 12.6	1.691	2.597	10.5	19.3
12 17	2 51.91	+15 34.3	1.769	2.600	14.1	19.5

449342 2013 GM_{10} 11 13.8 288°.42 2°.4/12.3 17

10 8	3 41.42	+13 40.4	1.935	2.762	13.9	21.8
10 18	3 37.11	+13 3.2	1.853	2.756	10.7	21.6
10 28	3 30.58	+12 21.1	1.794	2.750	7.0	21.4
11 7	3 22.50	+11 37.6	1.762	2.744	3.4	21.1
11 17	3 13.74	+10 56.8	1.757	2.738	3.2	21.1
11 27	3 5.38	+10 23.5	1.782	2.733	6.8	21.3
12 7	2 58.37	+10 1.3	1.833	2.727	10.6	21.6
12 17	2 53.41	+ 9 52.5	1.907	2.721	13.9	21.8

194697 2001 XO_{229} 11 13.8 81°.78 2°.5/15.3 18

10 8	3 45.62	+26 57.1	1.601	2.407	17.3	20.1
10 18	3 40.82	+26 41.0	1.532	2.417	13.6	19.9
10 28	3 33.17	+26 8.1	1.483	2.427	9.4	19.7
11 7	3 23.57	+25 18.6	1.459	2.437	4.9	19.5
11 17	3 13.28	+24 15.8	1.462	2.447	2.6	19.4
11 27	3 3.73	+23 6.2	1.493	2.457	6.3	19.6
12 7	2 56.11	+21 57.7	1.551	2.467	10.6	19.9
12 17	2 51.20	+20 57.5	1.632	2.477	14.4	20.1

282745 2006 FL_{7} 11 13.8 6°.23 7°.8/ 8.7 18

10 8	3 31.76	+11 6.0	0.977	1.862	19.8	18.2
10 18	3 31.12	+ 8 39.7	0.929	1.862	15.2	17.9
10 28	3 27.27	+ 6 4.5	0.901	1.865	10.7	17.7
11 7	3 21.23	+ 3 35.7	0.895	1.870	7.8	17.6
11 17	3 14.41	+ 1 29.4	0.911	1.877	9.3	17.7
11 27	3 8.40	− 0 1.4	0.950	1.886	13.4	17.9
12 7	3 4.48	− 0 51.5	1.008	1.897	17.6	18.2
12 17	3 3.40	− 1 2.6	1.084	1.911	21.4	18.5

261329 2005 UD_{240} 11 13.8 26°.35 3°.2/12.1 18

10 8	3 42.59	+10 0.6	1.862	2.691	14.3	20.5
10 18	3 37.98	+ 9 42.8	1.792	2.695	11.0	20.3
10 28	3 31.12	+ 9 24.7	1.745	2.699	7.3	20.1
11 7	3 22.71	+ 9 9.5	1.724	2.703	4.0	19.9
11 17	3 13.70	+ 9 0.5	1.730	2.708	3.9	19.9
11 27	3 5.16	+ 9 0.6	1.765	2.713	7.2	20.1
12 7	2 58.06	+ 9 11.9	1.827	2.719	10.8	20.4
12 17	2 53.06	+ 9 34.9	1.912	2.724	14.0	20.6

48088 2001 FG_{42} 11 13.8 87°.78 1°.4/14.7 18

10 8	3 47.26	+23 28.1	1.936	2.735	15.0	19.4
10 18	3 41.40	+23 23.8	1.877	2.761	11.6	19.2
10 28	3 33.20	+23 8.6	1.840	2.785	7.7	19.0
11 7	3 23.51	+22 43.1	1.829	2.810	3.6	18.8
11 17	3 13.36	+22 9.7	1.847	2.834	1.7	18.7
11 27	3 3.91	+21 32.4	1.895	2.857	5.4	19.0
12 7	2 56.12	+20 56.2	1.971	2.880	9.1	19.3
12 17	2 50.61	+20 25.6	2.072	2.903	12.3	19.5

47421 1999 XN_{166} 11 13.8 347°.45 5°.1/15.9 18

10 8	3 45.83	+28 18.2	1.287	2.105	20.0	18.4
10 18	3 42.09	+29 0.2	1.213	2.101	16.2	18.1
10 28	3 34.67	+29 25.6	1.157	2.097	11.8	17.8
11 7	3 24.43	+29 30.5	1.122	2.094	7.3	17.6
11 17	3 12.85	+29 13.5	1.112	2.092	5.2	17.5
11 27	3 1.87	+28 38.5	1.128	2.090	8.2	17.6
12 7	2 53.23	+27 53.8	1.167	2.088	12.8	17.9
12 17	2 48.05	+27 8.9	1.227	2.088	17.1	18.1

144114 2004 BW_{75} 11 13.8 208°.08 2°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.54	+13 44.5	1.695	2.520	15.7	20.2
10 18	3 41.36	+13 22.0	1.615	2.517	12.1	20.0
10 28	3 33.52	+12 55.0	1.558	2.514	7.9	19.7
11 7	3 23.77	+12 26.4	1.527	2.510	3.6	19.5
11 17	3 13.19	+12 0.1	1.523	2.506	3.2	19.4
11 27	3 3.09	+11 40.4	1.548	2.501	7.4	19.7
12 7	2 54.63	+11 31.1	1.599	2.496	11.6	19.9
12 17	2 48.64	+11 34.6	1.673	2.491	15.4	20.1

374715 2006 SH_{20} 11 13.8 1°.66 1°.9/14.5 18

10 8	3 45.57	+20 51.9	1.157	2.000	20.3	20.4
10 18	3 41.92	+21 26.8	1.090	1.998	15.9	20.2
10 28	3 34.55	+21 52.1	1.041	1.998	10.7	19.9
11 7	3 24.37	+22 6.1	1.015	1.998	5.0	19.6
11 17	3 12.90	+22 9.0	1.012	1.999	2.5	19.4
11 27	3 2.10	+22 4.2	1.034	2.001	7.9	19.7
12 7	2 53.72	+21 57.7	1.080	2.003	13.4	20.1
12 17	2 48.83	+21 55.4	1.146	2.007	18.0	20.3

142 Polana 11 13.8 189°.95 1°.1/14.5 18

10 8	3 46.40	+22 52.5	1.942	2.744	14.8	14.7
10 18	3 41.04	+22 40.7	1.858	2.744	11.6	14.5
10 28	3 33.20	+22 17.7	1.795	2.742	7.7	14.3
11 7	3 23.61	+21 44.2	1.759	2.741	3.5	14.0
11 17	3 13.28	+21 2.4	1.752	2.738	1.6	13.9
11 27	3 3.40	+20 16.7	1.774	2.736	5.7	14.2
12 7	2 55.08	+19 32.8	1.824	2.732	9.8	14.4
12 17	2 49.06	+18 55.6	1.899	2.728	13.3	14.6

487564 2014 WB_{183} 11 13.8 267°.28 4°.4/10.1 17

10 8	3 38.62	+ 6 37.1	2.486	3.308	11.4	21.4
10 18	3 34.48	+ 5 35.8	2.399	3.296	8.9	21.2
10 28	3 28.67	+ 4 33.9	2.337	3.283	6.3	21.0
11 7	3 21.68	+ 3 36.0	2.303	3.270	4.5	20.9
11 17	3 14.19	+ 2 46.3	2.298	3.257	5.0	20.9
11 27	3 6.96	+ 2 9.1	2.322	3.245	7.3	21.0
12 7	3 0.71	+ 1 46.9	2.373	3.232	10.0	21.2
12 17	2 55.99	+ 1 40.6	2.447	3.218	12.5	21.3

53022 1998 VU_{44} 11 13.8 18°.14 4°.1/15.9 18

10 8	3 43.43	+28 35.9	1.252	2.076	20.2	18.4
10 18	3 40.03	+28 43.3	1.187	2.080	16.2	18.1
10 28	3 33.12	+28 30.1	1.140	2.084	11.5	17.9
11 7	3 23.70	+27 54.9	1.115	2.090	6.6	17.6
11 17	3 13.26	+26 59.8	1.113	2.096	4.2	17.5
11 27	3 3.65	+25 51.8	1.137	2.103	7.6	17.7
12 7	2 56.38	+24 41.1	1.186	2.110	12.3	18.0
12 17	2 52.39	+23 37.3	1.255	2.119	16.7	18.3

73500 2002 RK_{57} 11 13.8 124°.97 0°.1/13.7 18

10 8	3 40.58	+19 45.8	2.633	3.436	11.3	19.7
10 18	3 35.84	+19 22.1	2.556	3.445	8.7	19.5
10 28	3 29.45	+18 51.7	2.503	3.454	5.6	19.3
11 7	3 21.98	+18 16.0	2.478	3.462	2.3	19.1
11 17	3 14.10	+17 37.6	2.483	3.470	1.1	19.0
11 27	3 6.58	+16 59.6	2.519	3.478	4.5	19.3
12 7	3 0.13	+16 25.6	2.583	3.485	7.6	19.5
12 17	2 55.26	+15 58.2	2.674	3.493	10.2	19.7

291525 2006 EA_{10} 11 13.8 124°.77 3°.7/11.4 18

10 8	3 44.33	+10 0.1	2.024	2.845	13.6	21.8
10 18	3 38.98	+ 9 8.4	1.961	2.859	10.4	21.6
10 28	3 31.60	+ 8 15.1	1.921	2.873	7.0	21.4
11 7	3 22.88	+ 7 24.6	1.909	2.886	4.1	21.3
11 17	3 13.71	+ 6 41.5	1.926	2.898	4.4	21.3
11 27	3 5.08	+ 6 10.0	1.972	2.910	7.3	21.5
12 7	2 57.86	+ 5 52.7	2.044	2.921	10.5	21.7
12 17	2 52.62	+ 5 50.6	2.141	2.932	13.4	22.0

325742 2009 VH_{106} 11 13.8 62°.87 5°.1/11.2 18

10 8	3 44.20	+ 2 47.1	2.094	2.911	13.4	20.2
10 18	3 38.77	+ 2 28.9	2.038	2.928	10.5	20.0
10 28	3 31.40	+ 2 16.2	2.005	2.946	7.5	19.9
11 7	3 22.78	+ 2 12.5	1.999	2.963	5.4	19.8
11 17	3 13.76	+ 2 20.6	2.021	2.981	5.6	19.9
11 27	3 5.28	+ 2 42.0	2.073	2.998	7.9	20.0
12 7	2 58.13	+ 3 16.8	2.150	3.016	10.6	20.2
12 17	2 52.89	+ 4 3.8	2.252	3.034	13.1	20.4

457240 2008 OT_{6} 11 13.8 55°.45 3°.8/16.8 16

10 8	3 44.42	+31 37.9	2.023	2.799	15.2	20.7
10 18	3 39.28	+31 32.4	1.965	2.826	12.2	20.6
10 28	3 31.85	+31 10.3	1.928	2.854	8.8	20.4
11 7	3 22.97	+30 31.5	1.917	2.882	5.5	20.3
11 17	3 13.69	+29 38.1	1.934	2.910	3.8	20.2
11 27	3 5.14	+28 34.9	1.979	2.938	5.6	20.4
12 7	2 58.23	+27 28.3	2.053	2.966	8.6	20.6
12 17	2 53.56	+26 24.8	2.152	2.993	11.6	20.9

101639 1999 CP_{45} 11 13.8 354°.78 9°.4/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.80	+47 15.4	2.364	3.042	15.7	19.3
10 18	3 43.49	+48 22.4	2.279	3.041	14.0	19.2
10 28	3 35.17	+49 9.7	2.212	3.040	12.2	19.1
11 7	3 24.56	+49 31.9	2.167	3.040	10.5	19.0
11 17	3 12.85	+49 25.6	2.147	3.039	9.5	18.9
11 27	3 1.55	+48 51.3	2.151	3.039	9.7	18.9
12 7	2 52.06	+47 54.2	2.180	3.039	10.8	19.0
12 17	2 45.35	+46 42.0	2.234	3.039	12.5	19.1

127593 2003 BC_{11} 11 13.8 254°.04 1°.4/13.1 18

10 8	3 45.45	+16 11.1	1.723	2.546	15.5	20.5
10 18	3 40.65	+15 52.9	1.634	2.535	12.0	20.2
10 28	3 33.17	+15 28.1	1.568	2.523	7.9	19.9
11 7	3 23.70	+14 58.9	1.527	2.512	3.3	19.6
11 17	3 13.29	+14 28.5	1.514	2.500	2.4	19.6
11 27	3 3.25	+14 1.5	1.529	2.487	7.0	19.8
12 7	2 54.78	+13 42.6	1.571	2.475	11.4	20.1
12 17	2 48.77	+13 35.0	1.636	2.462	15.3	20.3

64939 2001 YP_{116} 11 13.8 180°.50 3°.3/12.0 18 R

10 8	3 44.45	+11 44.8	1.708	2.538	15.4	19.3
10 18	3 39.65	+11 6.8	1.634	2.538	11.8	19.1
10 28	3 32.35	+10 25.4	1.583	2.538	7.8	18.9
11 7	3 23.29	+ 9 44.8	1.558	2.538	4.1	18.7
11 17	3 13.52	+ 9 9.8	1.560	2.538	4.1	18.7
11 27	3 4.27	+ 8 45.1	1.590	2.538	7.8	18.9
12 7	2 56.60	+ 8 34.1	1.646	2.538	11.8	19.1
12 17	2 51.29	+ 8 38.4	1.725	2.537	15.3	19.3

47551 2000 AM_{128} 11 13.8 19°.24 6°.4/18.9 18

10 8	3 44.27	+39 16.1	2.279	3.013	14.9	18.2
10 18	3 39.48	+39 37.4	2.193	3.014	12.6	18.0
10 28	3 32.23	+39 40.1	2.127	3.015	10.1	17.9
11 7	3 23.24	+39 21.4	2.085	3.016	7.8	17.7
11 17	3 13.54	+38 40.8	2.069	3.017	6.4	17.7
11 27	3 4.32	+37 41.0	2.081	3.019	7.1	17.7
12 7	2 56.66	+36 28.2	2.121	3.020	9.1	17.8
12 17	2 51.30	+35 9.8	2.186	3.022	11.6	18.0

235321 2003 UA_{178} 11 13.8 2°.44 3°.8/15.6 17

10 8	3 46.14	+26 53.7	2.020	2.809	14.8	19.8
10 18	3 41.02	+27 46.9	1.937	2.809	11.9	19.6
10 28	3 33.34	+28 30.4	1.875	2.809	8.5	19.4
11 7	3 23.76	+29 1.6	1.840	2.809	5.3	19.2
11 17	3 13.27	+29 19.1	1.833	2.810	3.9	19.1
11 27	3 3.11	+29 23.9	1.854	2.811	6.1	19.3
12 7	2 54.44	+29 19.6	1.904	2.812	9.4	19.5
12 17	2 48.11	+29 11.2	1.977	2.814	12.6	19.7

370528 2003 SP_{320} 11 13.8 68°.23 4°.9/16.0 18

10 8	3 50.80	+28 38.4	1.315	2.123	20.3	20.8
10 18	3 45.51	+29 17.0	1.257	2.139	16.3	20.6
10 28	3 36.59	+29 37.7	1.218	2.155	11.7	20.4
11 7	3 25.12	+29 37.0	1.201	2.171	7.1	20.2
11 17	3 12.70	+29 14.9	1.209	2.188	4.9	20.1
11 27	3 1.24	+28 36.2	1.243	2.204	7.8	20.3
12 7	2 52.31	+27 49.6	1.303	2.221	12.1	20.6
12 17	2 46.82	+27 4.2	1.384	2.237	16.1	20.9

490445 2009 SL_{158} 11 13.8 289°.78 1°.3/12.8 17

10 8	3 39.62	+18 23.2	2.212	3.029	12.8	21.5
10 18	3 35.61	+17 26.0	2.112	3.010	9.8	21.3
10 28	3 29.60	+16 18.8	2.036	2.991	6.4	21.0
11 7	3 22.15	+15 4.5	1.987	2.972	2.7	20.7
11 17	3 14.05	+13 47.9	1.968	2.953	2.1	20.7
11 27	3 6.23	+12 34.5	1.979	2.934	5.9	20.9
12 7	2 59.57	+11 30.0	2.017	2.914	9.6	21.1
12 17	2 54.72	+10 38.6	2.081	2.895	12.9	21.3

468735 2010 SG_{29} 11 13.8 111°.15 0°.5/13.6 16

10 8	3 51.27	+17 55.4	1.518	2.337	17.5	21.9
10 18	3 45.05	+17 48.9	1.458	2.355	13.4	21.7
10 28	3 35.88	+17 34.6	1.419	2.373	8.7	21.4
11 7	3 24.72	+17 13.9	1.405	2.390	3.5	21.2
11 17	3 12.90	+16 49.8	1.420	2.406	1.9	21.1
11 27	3 1.91	+16 26.9	1.462	2.422	6.9	21.5
12 7	2 53.00	+16 9.9	1.531	2.438	11.5	21.8
12 17	2 46.94	+16 2.5	1.623	2.452	15.3	22.0

348734 2006 FX_{19} 11 13.8 28°.21 2°.0/14.7 18

10 8	3 45.91	+22 25.3	1.489	2.311	17.6	20.1
10 18	3 41.34	+22 51.0	1.421	2.317	13.8	19.9
10 28	3 33.73	+23 6.3	1.373	2.323	9.3	19.6
11 7	3 23.94	+23 10.2	1.349	2.330	4.5	19.4
11 17	3 13.23	+23 3.3	1.351	2.337	2.4	19.3
11 27	3 3.15	+22 49.3	1.380	2.344	6.7	19.6
12 7	2 55.03	+22 33.3	1.435	2.352	11.2	19.8
12 17	2 49.77	+22 20.7	1.513	2.361	15.2	20.1

298116 2002 RC_{199} 11 13.8 107°.45 0°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.94	+20 13.9	2.031	2.837	14.1	21.5
10 18	3 40.36	+20 4.2	1.964	2.854	10.9	21.3
10 28	3 32.58	+19 46.2	1.920	2.870	7.1	21.1
11 7	3 23.33	+19 21.3	1.903	2.886	3.0	20.9
11 17	3 13.58	+18 51.7	1.914	2.902	1.3	20.8
11 27	3 4.39	+18 21.4	1.956	2.917	5.4	21.1
12 7	2 56.71	+17 54.4	2.026	2.932	9.1	21.4
12 17	2 51.15	+17 34.3	2.120	2.946	12.3	21.6

225061 2007 HV_{10} 11 13.8 107°.65 0°.8/13.2 18

10 8	3 41.39	+17 14.6	2.373	3.184	12.2	21.0
10 18	3 36.62	+16 50.6	2.299	3.193	9.3	20.8
10 28	3 30.05	+16 20.9	2.249	3.202	6.0	20.7
11 7	3 22.28	+15 47.6	2.227	3.211	2.5	20.4
11 17	3 14.07	+15 13.4	2.234	3.220	1.6	20.4
11 27	3 6.26	+14 41.8	2.272	3.229	5.1	20.7
12 7	2 59.61	+14 16.0	2.337	3.237	8.4	20.9
12 17	2 54.69	+13 58.6	2.429	3.245	11.2	21.1

75640 2000 AE_{55} 11 13.8 188°.33 5°.9/10.0 18 R

10 8	3 43.51	+ 1 40.2	2.190	3.006	12.9	19.0
10 18	3 38.35	+ 0 51.6	2.118	3.005	10.3	18.8
10 28	3 31.23	+ 0 7.6	2.069	3.004	7.7	18.6
11 7	3 22.79	− 0 27.1	2.048	3.003	6.1	18.5
11 17	3 13.82	− 0 48.1	2.054	3.001	6.5	18.5
11 27	3 5.25	− 0 52.4	2.089	2.999	8.7	18.7
12 7	2 57.89	− 0 39.0	2.149	2.997	11.4	18.8
12 17	2 52.36	− 0 8.7	2.233	2.994	13.9	19.0

515046 2010 EA_{72} 11 13.8 146°.11 3°.7/11.4 18

10 8	3 43.65	+10 29.6	2.019	2.841	13.6	22.2
10 18	3 38.57	+ 9 34.1	1.949	2.849	10.4	22.0
10 28	3 31.41	+ 8 36.0	1.904	2.856	7.0	21.8
11 7	3 22.86	+ 7 40.0	1.885	2.862	4.1	21.6
11 17	3 13.81	+ 6 50.9	1.896	2.869	4.4	21.7
11 27	3 5.25	+ 6 13.3	1.935	2.874	7.4	21.9
12 7	2 58.06	+ 5 50.4	2.002	2.880	10.7	22.1
12 17	2 52.86	+ 5 43.2	2.092	2.885	13.6	22.3

401830 1998 SZ_{126} 11 13.8 30°.27 1°.2/14.4 18

10 8	3 44.48	+20 19.2	1.682	2.503	16.0	19.9
10 18	3 39.76	+20 45.6	1.621	2.517	12.4	19.7
10 28	3 32.45	+21 4.4	1.581	2.533	8.2	19.5
11 7	3 23.35	+21 15.2	1.566	2.549	3.7	19.3
11 17	3 13.58	+21 18.9	1.579	2.566	1.7	19.2
11 27	3 4.44	+21 18.1	1.620	2.584	5.9	19.5
12 7	2 57.01	+21 16.6	1.687	2.602	10.0	19.8
12 17	2 52.04	+21 18.0	1.778	2.621	13.5	20.0

448565 2010 RY_{151} 11 13.8 72°.93 1°.3/13.0 18

10 8	3 42.39	+16 18.2	1.960	2.781	14.0	21.2
10 18	3 37.76	+15 51.8	1.889	2.789	10.7	21.0
10 28	3 30.97	+15 19.4	1.841	2.796	6.9	20.8
11 7	3 22.70	+14 43.6	1.819	2.803	2.9	20.5
11 17	3 13.88	+14 7.8	1.825	2.810	2.2	20.5
11 27	3 5.56	+13 36.3	1.861	2.818	6.0	20.8
12 7	2 58.63	+13 12.9	1.924	2.825	9.8	21.0
12 17	2 53.76	+13 0.0	2.011	2.832	13.0	21.2

490777 2010 UC_{53} 11 13.8 306°.55 3°.0/15.3 17

10 8	3 44.82	+25 34.4	1.957	2.754	14.9	21.5
10 18	3 40.15	+26 7.5	1.862	2.742	11.9	21.3
10 28	3 32.87	+26 30.8	1.790	2.729	8.4	21.0
11 7	3 23.63	+26 42.5	1.743	2.717	4.8	20.8
11 17	3 13.39	+26 41.9	1.724	2.705	3.1	20.7
11 27	3 3.41	+26 31.1	1.733	2.694	6.0	20.8
12 7	2 54.87	+26 14.2	1.770	2.682	9.8	21.0
12 17	2 48.67	+25 56.2	1.831	2.671	13.3	21.2

151406 2002 EO_{115} 11 13.8 218°.65 4°.9/ 9.8 18

10 8	3 40.59	+ 2 47.3	2.698	3.510	10.9	20.6
10 18	3 35.83	+ 1 57.8	2.616	3.502	8.6	20.4
10 28	3 29.49	+ 1 11.0	2.558	3.494	6.4	20.2
11 7	3 22.06	+ 0 30.7	2.528	3.485	5.0	20.1
11 17	3 14.18	+ 0 0.7	2.527	3.476	5.4	20.2
11 27	3 6.55	− 0 16.0	2.556	3.466	7.3	20.3
12 7	2 59.85	− 0 18.0	2.612	3.456	9.7	20.4
12 17	2 54.61	− 0 5.2	2.691	3.445	11.9	20.6

409290 2004 RQ_{296} 11 13.8 88°.10 0°.5/14.2 18

10 8	3 44.51	+21 12.2	2.288	3.087	12.9	22.0
10 18	3 38.97	+20 58.9	2.227	3.113	9.9	21.8
10 28	3 31.52	+20 37.5	2.190	3.138	6.5	21.7
11 7	3 22.87	+20 9.2	2.180	3.162	2.8	21.5
11 17	3 13.85	+19 36.5	2.199	3.187	1.2	21.4
11 27	3 5.38	+19 2.8	2.250	3.211	4.8	21.7
12 7	2 58.25	+18 31.9	2.329	3.234	8.1	22.0
12 17	2 53.01	+18 7.1	2.433	3.257	11.0	22.2

484758 2009 BW_{29} 11 13.8 203°.85 6°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.45	+ 0 26.8	2.134	2.949	13.2	21.9
10 18	3 38.37	− 0 29.3	2.060	2.946	10.6	21.7
10 28	3 31.30	− 1 20.3	2.011	2.942	8.2	21.5
11 7	3 22.84	− 2 0.7	1.988	2.938	6.6	21.4
11 17	3 13.83	− 2 25.7	1.992	2.933	7.2	21.5
11 27	3 5.20	− 2 32.1	2.025	2.928	9.3	21.6
12 7	2 57.80	− 2 18.7	2.083	2.923	12.0	21.7
12 17	2 52.28	− 1 46.8	2.163	2.917	14.5	21.9

457017 2008 CN_{120} 11 13.8 107°.65 18°.0/23.3 17

10 8	4 2.10	+51 33.9	1.230	1.936	26.5	20.9
10 18	3 57.59	+53 56.7	1.169	1.940	24.2	20.7
10 28	3 46.63	+55 48.1	1.121	1.943	21.8	20.5
11 7	3 30.01	+56 52.2	1.089	1.946	19.7	20.4
11 17	3 10.35	+56 55.5	1.074	1.949	18.3	20.3
11 27	2 51.78	+55 56.3	1.077	1.953	18.1	20.4
12 7	2 37.92	+54 7.5	1.100	1.956	19.2	20.4
12 17	2 30.52	+51 49.6	1.141	1.958	21.1	20.6

380504 2004 EP_{21} 11 13.8 264°.96 2°.6/12.3 18

10 8	3 44.47	+14 46.7	1.628	2.458	16.0	21.8
10 18	3 40.06	+14 1.4	1.538	2.442	12.4	21.5
10 28	3 32.90	+13 8.0	1.469	2.426	8.1	21.2
11 7	3 23.66	+12 10.3	1.426	2.409	3.8	20.9
11 17	3 13.42	+11 13.9	1.410	2.392	3.6	20.9
11 27	3 3.54	+10 25.3	1.422	2.375	8.0	21.1
12 7	2 55.27	+ 9 50.3	1.460	2.358	12.6	21.3
12 17	2 49.53	+ 9 32.2	1.520	2.340	16.6	21.5

511818 2015 FQ_{155} 11 13.8 313°.64 1°.7/14.3 18

10 8	3 47.76	+19 54.2	1.281	2.115	19.3	21.0
10 18	3 43.61	+20 35.0	1.198	2.102	15.2	20.7
10 28	3 35.79	+21 9.4	1.134	2.089	10.3	20.4
11 7	3 25.04	+21 35.4	1.094	2.077	4.8	20.1
11 17	3 12.73	+21 52.0	1.078	2.065	2.4	19.9
11 27	3 0.77	+22 1.2	1.089	2.054	7.9	20.2
12 7	2 50.97	+22 7.5	1.123	2.043	13.4	20.5
12 17	2 44.58	+22 16.3	1.179	2.033	18.2	20.7

40849 1999 TG_{103} 11 13.8 76°.47 8°.7/ 9.7 18

10 8	3 45.11	− 3 12.6	1.705	2.526	15.8	18.5
10 18	3 39.87	− 4 9.8	1.656	2.539	12.9	18.4
10 28	3 32.31	− 4 56.0	1.628	2.552	10.3	18.3
11 7	3 23.24	− 5 24.6	1.625	2.566	8.8	18.2
11 17	3 13.69	− 5 30.7	1.648	2.579	9.3	18.3
11 27	3 4.81	− 5 11.9	1.696	2.592	11.3	18.4
12 7	2 57.56	− 4 29.7	1.769	2.605	13.9	18.6
12 17	2 52.56	− 3 27.3	1.862	2.619	16.4	18.8

351047 2003 ST_{228} 11 13.8 17°.76 2°.3/12.7 18

10 8	3 38.82	+16 11.0	1.124	1.987	19.4	19.7
10 18	3 36.27	+15 30.2	1.074	1.996	14.9	19.5
10 28	3 30.53	+14 40.2	1.043	2.007	9.6	19.2
11 7	3 22.63	+13 46.6	1.034	2.020	4.1	19.0
11 17	3 13.98	+12 56.2	1.049	2.034	3.5	19.0
11 27	3 6.20	+12 16.2	1.089	2.050	8.6	19.3
12 7	3 0.59	+11 52.3	1.151	2.067	13.5	19.7
12 17	2 57.90	+11 46.7	1.233	2.086	17.6	20.0

144909 2004 YO_{33} 11 13.8 294°.99 2°.4/15.4 18

10 8	3 41.80	+26 41.0	2.238	3.030	13.4	20.6
10 18	3 37.55	+26 37.8	2.127	3.004	10.8	20.4
10 28	3 31.05	+26 22.5	2.039	2.978	7.6	20.2
11 7	3 22.86	+25 54.5	1.977	2.952	4.1	19.9
11 17	3 13.80	+25 14.7	1.943	2.926	2.5	19.7
11 27	3 4.92	+24 26.5	1.938	2.900	5.3	19.9
12 7	2 57.25	+23 35.0	1.961	2.874	9.0	20.1
12 17	2 51.58	+22 45.7	2.010	2.848	12.4	20.2

364937 2008 FB_{109} 11 13.8 148°.12 1°.1/13.1 18

10 8	3 42.67	+16 13.0	2.093	2.910	13.4	21.5
10 18	3 37.93	+15 55.4	2.013	2.911	10.3	21.3
10 28	3 31.09	+15 32.6	1.958	2.912	6.6	21.1
11 7	3 22.79	+15 6.4	1.929	2.913	2.8	20.8
11 17	3 13.89	+14 39.7	1.929	2.914	1.9	20.8
11 27	3 5.39	+14 16.1	1.958	2.915	5.8	21.0
12 7	2 58.20	+13 59.0	2.015	2.916	9.4	21.3
12 17	2 52.97	+13 50.9	2.096	2.917	12.6	21.5

161953 2007 HD_{17} 11 13.8 178°.28 3°.6/12.0 18

10 8	3 45.91	+10 2.6	1.769	2.595	15.1	20.5
10 18	3 40.71	+ 9 34.3	1.695	2.596	11.7	20.3
10 28	3 33.03	+ 9 5.0	1.643	2.596	7.8	20.1
11 7	3 23.62	+ 8 38.3	1.618	2.597	4.3	19.9
11 17	3 13.50	+ 8 18.3	1.620	2.597	4.3	19.9
11 27	3 3.87	+ 8 8.9	1.651	2.597	7.8	20.1
12 7	2 55.80	+ 8 12.6	1.708	2.596	11.6	20.3
12 17	2 50.05	+ 8 30.2	1.788	2.595	15.0	20.6

118817 2000 SC_{119} 11 13.8 0°.61 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.60	+19 2.0	1.612	2.442	16.1	19.1
10 18	3 37.81	+19 5.1	1.537	2.441	12.5	18.9
10 28	3 31.35	+19 0.2	1.484	2.440	8.2	18.7
11 7	3 22.99	+18 48.5	1.455	2.440	3.4	18.4
11 17	3 13.80	+18 32.3	1.453	2.440	1.5	18.3
11 27	3 5.09	+18 15.3	1.478	2.442	6.4	18.6
12 7	2 58.04	+18 1.9	1.529	2.444	10.8	18.8
12 17	2 53.46	+17 56.0	1.603	2.447	14.7	19.1

156603 2002 GR_{82} 11 13.8 206°.74 1°.3/13.1 18

10 8	3 43.89	+14 11.9	2.209	3.023	12.9	20.1
10 18	3 38.77	+14 13.5	2.127	3.023	9.9	19.9
10 28	3 31.61	+14 12.5	2.069	3.023	6.4	19.7
11 7	3 23.01	+14 10.3	2.038	3.022	2.8	19.4
11 17	3 13.79	+14 8.7	2.037	3.022	2.0	19.4
11 27	3 4.92	+14 9.9	2.065	3.021	5.6	19.6
12 7	2 57.28	+14 16.3	2.122	3.021	9.1	19.8
12 17	2 51.52	+14 29.5	2.204	3.020	12.2	20.0

84717 2002 VD_{128} 11 13.8 103°.20 5°.9/18.3 18

10 8	3 47.83	+36 55.8	2.052	2.799	15.9	19.4
10 18	3 42.24	+37 10.6	1.979	2.814	13.2	19.2
10 28	3 34.02	+37 5.9	1.926	2.827	10.3	19.0
11 7	3 24.01	+36 39.4	1.897	2.841	7.4	18.9
11 17	3 13.36	+35 51.2	1.895	2.855	5.9	18.8
11 27	3 3.38	+34 45.4	1.922	2.868	6.9	18.9
12 7	2 55.21	+33 29.1	1.976	2.881	9.4	19.1
12 17	2 49.55	+32 10.4	2.056	2.893	12.2	19.3

482687 2013 CG_{71} 11 13.8 319°.47 3°.1/12.2 18

10 8	3 40.96	+13 3.1	1.537	2.379	16.2	21.1
10 18	3 37.49	+12 28.7	1.452	2.363	12.5	20.8
10 28	3 31.28	+11 48.8	1.388	2.347	8.3	20.5
11 7	3 23.02	+11 7.7	1.348	2.331	4.1	20.3
11 17	3 13.76	+10 30.4	1.335	2.316	4.0	20.2
11 27	3 4.86	+10 2.7	1.348	2.301	8.2	20.4
12 7	2 57.57	+ 9 49.0	1.385	2.287	12.8	20.7
12 17	2 52.81	+ 9 51.9	1.445	2.274	16.8	20.9

307520 2003 AY_{60} 11 13.8 319°.48 0°.2/13.7 17

10 8	3 39.15	+20 58.8	1.548	2.382	16.5	19.9
10 18	3 36.34	+20 24.2	1.448	2.354	12.9	19.6
10 28	3 30.69	+19 35.0	1.368	2.325	8.6	19.3
11 7	3 22.84	+18 33.1	1.312	2.297	3.6	18.9
11 17	3 13.83	+17 22.8	1.283	2.270	1.8	18.7
11 27	3 5.05	+16 11.5	1.280	2.244	7.2	19.0
12 7	2 57.87	+15 7.2	1.302	2.218	12.3	19.2
12 17	2 53.30	+14 16.8	1.347	2.193	16.8	19.4

36218 1999 TK_{220} 11 13.8 135°.25 3°.4/16.0 18 R

10 8	3 48.09	+28 53.7	2.132	2.908	14.5	18.9
10 18	3 42.19	+29 6.6	2.056	2.919	11.6	18.7
10 28	3 33.90	+29 6.2	2.001	2.931	8.3	18.5
11 7	3 23.96	+28 51.2	1.973	2.942	5.0	18.3
11 17	3 13.39	+28 22.3	1.974	2.952	3.4	18.3
11 27	3 3.35	+27 42.9	2.004	2.962	5.6	18.4
12 7	2 54.87	+26 58.3	2.063	2.971	8.8	18.6
12 17	2 48.67	+26 14.3	2.147	2.980	11.9	18.9

38076 1999 GA_{31} 11 13.8 88°.37 1°.6/13.1 18

10 8	3 49.35	+15 57.7	1.389	2.219	18.2	19.3
10 18	3 43.77	+15 39.9	1.333	2.237	13.9	19.1
10 28	3 35.16	+15 15.5	1.297	2.254	9.0	18.8
11 7	3 24.50	+14 47.2	1.287	2.271	3.8	18.6
11 17	3 13.18	+14 19.1	1.303	2.288	2.6	18.6
11 27	3 2.74	+13 56.2	1.346	2.305	7.6	18.9
12 7	2 54.45	+13 43.1	1.415	2.321	12.2	19.2
12 17	2 49.08	+13 42.4	1.506	2.337	16.1	19.5

373434 1999 TC_{111} 11 13.8 73°.80 2°.6/15.3 18

10 8	3 49.94	+26 39.1	1.367	2.178	19.5	20.6
10 18	3 44.32	+26 25.3	1.316	2.204	15.2	20.4
10 28	3 35.50	+25 53.4	1.284	2.229	10.4	20.1
11 7	3 24.61	+25 3.9	1.276	2.255	5.3	19.9
11 17	3 13.16	+24 0.8	1.295	2.280	2.8	19.8
11 27	3 2.81	+22 51.8	1.341	2.305	6.8	20.2
12 7	2 54.84	+21 45.7	1.413	2.330	11.4	20.5
12 17	2 49.96	+20 49.8	1.507	2.354	15.3	20.8

452092 2014 QA_{34} 11 13.8 175°.10 4°.6/10.8 18

10 8	3 41.37	+ 6 30.6	2.143	2.967	12.9	21.9
10 18	3 36.79	+ 5 42.1	2.070	2.968	10.0	21.7
10 28	3 30.28	+ 4 54.6	2.021	2.968	7.0	21.5
11 7	3 22.45	+ 4 12.4	1.999	2.969	4.8	21.4
11 17	3 14.10	+ 3 39.8	2.005	2.969	5.2	21.4
11 27	3 6.14	+ 3 20.7	2.040	2.969	7.7	21.6
12 7	2 59.40	+ 3 16.8	2.101	2.969	10.7	21.7
12 17	2 54.47	+ 3 28.7	2.185	2.969	13.4	21.9

44749 1999 TY_{91} 11 13.8 13°.47 6°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.21	+ 7 35.7	1.149	2.007	19.4	18.5
10 18	3 39.65	+ 6 51.0	1.092	2.009	15.1	18.2
10 28	3 32.80	+ 6 7.7	1.055	2.012	10.5	18.0
11 7	3 23.64	+ 5 32.9	1.039	2.016	6.7	17.8
11 17	3 13.57	+ 5 13.5	1.048	2.021	6.9	17.8
11 27	3 4.28	+ 5 14.5	1.080	2.026	10.9	18.1
12 7	2 57.18	+ 5 37.5	1.135	2.033	15.4	18.4
12 17	2 53.14	+ 6 21.0	1.209	2.040	19.3	18.6

12043 1997 FN 11 13.8 36°.32 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.58	+13 57.2	2.034	2.852	13.7	17.8
10 18	3 39.45	+14 4.7	1.958	2.855	10.5	17.6
10 28	3 32.13	+14 9.9	1.904	2.858	6.8	17.4
11 7	3 23.26	+14 14.1	1.878	2.862	2.9	17.2
11 17	3 13.74	+14 19.1	1.880	2.865	2.1	17.1
11 27	3 4.62	+14 26.8	1.912	2.869	5.9	17.4
12 7	2 56.86	+14 39.6	1.971	2.872	9.6	17.6
12 17	2 51.15	+14 58.9	2.055	2.876	12.8	17.8

406632 2008 CV_{180} 11 13.8 225°.87 0°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.11	+19 42.5	2.203	3.012	13.1	21.2
10 18	3 37.48	+19 9.4	2.114	3.007	10.1	21.0
10 28	3 30.81	+18 27.3	2.049	3.001	6.6	20.7
11 7	3 22.71	+17 38.4	2.011	2.995	2.7	20.5
11 17	3 13.99	+16 45.9	2.002	2.989	1.4	20.4
11 27	3 5.65	+15 54.3	2.024	2.983	5.4	20.6
12 7	2 58.54	+15 8.5	2.073	2.976	9.1	20.9
12 17	2 53.33	+14 32.1	2.148	2.969	12.3	21.1

121839 2000 BS_{41} 11 13.8 57°.55 4°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.47	+31 37.1	2.219	2.991	14.2	19.8
10 18	3 38.70	+31 52.3	2.139	2.997	11.5	19.6
10 28	3 31.66	+31 53.1	2.082	3.004	8.5	19.5
11 7	3 23.07	+31 38.1	2.049	3.010	5.6	19.3
11 17	3 13.84	+31 7.9	2.045	3.017	4.1	19.2
11 27	3 5.06	+30 25.5	2.069	3.024	5.7	19.3
12 7	2 57.71	+29 36.1	2.121	3.031	8.5	19.5
12 17	2 52.48	+28 45.5	2.199	3.038	11.4	19.7

106502 2000 WO_{36} 11 13.8 309°.73 4°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.67	+ 5 31.1	2.118	2.942	13.0	19.1
10 18	3 37.06	+ 4 53.4	2.044	2.941	10.2	18.9
10 28	3 30.48	+ 4 17.9	1.994	2.940	7.2	18.8
11 7	3 22.56	+ 3 48.8	1.970	2.939	5.0	18.6
11 17	3 14.08	+ 3 29.8	1.975	2.938	5.3	18.7
11 27	3 5.99	+ 3 24.3	2.008	2.937	7.8	18.8
12 7	2 59.12	+ 3 33.7	2.067	2.937	10.8	19.0
12 17	2 54.09	+ 3 57.9	2.150	2.936	13.5	19.2

345431 2006 DK_{90} 11 13.8 42°.23 7°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.34	+ 5 18.7	1.446	2.293	16.8	19.7
10 18	3 37.43	+ 3 43.1	1.395	2.303	13.1	19.5
10 28	3 30.94	+ 2 9.4	1.366	2.314	9.6	19.3
11 7	3 22.76	+ 0 46.7	1.361	2.325	7.4	19.2
11 17	3 14.02	− 0 16.8	1.382	2.337	8.2	19.3
11 27	3 5.98	− 0 55.1	1.428	2.349	11.1	19.5
12 7	2 59.71	− 1 6.3	1.497	2.361	14.5	19.8
12 17	2 55.87	− 0 51.9	1.587	2.374	17.5	20.0

391239 2006 KE_{118} 11 13.8 207°.95 5°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.84	+ 3 4.4	2.338	3.150	12.3	21.7
10 18	3 38.56	+ 2 9.7	2.257	3.144	9.8	21.5
10 28	3 31.40	+ 1 17.6	2.200	3.137	7.2	21.3
11 7	3 22.93	+ 0 32.8	2.171	3.129	5.6	21.2
11 17	3 13.91	− 0 0.2	2.171	3.121	6.0	21.2
11 27	3 5.21	− 0 17.9	2.199	3.111	8.2	21.4
12 7	2 57.63	− 0 18.6	2.255	3.102	10.9	21.5
12 17	2 51.80	− 0 2.4	2.334	3.091	13.4	21.7

250665 2005 NZ_{32} 11 13.8 145°.44 2°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.85	+25 55.4	2.054	2.850	14.4	21.0
10 18	3 39.04	+25 50.1	1.972	2.852	11.3	20.8
10 28	3 31.92	+25 32.5	1.912	2.854	7.8	20.6
11 7	3 23.19	+25 2.5	1.879	2.856	4.1	20.4
11 17	3 13.80	+24 22.0	1.873	2.857	2.3	20.3
11 27	3 4.86	+23 34.8	1.897	2.859	5.4	20.5
12 7	2 57.38	+22 46.6	1.948	2.861	9.0	20.7
12 17	2 52.05	+22 2.5	2.025	2.862	12.3	21.0

328069 2007 VF_{245} 11 13.8 331°.45 1°.4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.16	+16 0.0	1.200	2.048	19.4	20.7
10 18	3 41.46	+15 55.7	1.128	2.041	15.1	20.4
10 28	3 34.24	+15 44.6	1.074	2.034	9.9	20.1
11 7	3 24.36	+15 28.9	1.043	2.028	4.1	19.8
11 17	3 13.23	+15 12.1	1.036	2.023	2.7	19.7
11 27	3 2.67	+14 59.4	1.055	2.017	8.5	20.0
12 7	2 54.32	+14 55.8	1.096	2.013	14.0	20.3
12 17	2 49.25	+15 4.9	1.158	2.009	18.7	20.6

478890 2012 WX_{10} 11 13.8 276°.53 0°.3/14.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 42.79	+23 14.1	1.759	2.574	15.6	22.1
10 18	3 38.65	+22 22.2	1.666	2.560	12.2	21.9
10 28	3 31.89	+21 14.2	1.594	2.546	8.1	21.6
11 7	3 23.26	+19 52.3	1.548	2.532	3.5	21.3
11 17	3 13.77	+18 21.4	1.531	2.518	1.5	21.1
11 27	3 4.71	+16 49.2	1.542	2.504	6.4	21.4
12 7	2 57.24	+15 24.1	1.580	2.490	11.0	21.7
12 17	2 52.16	+14 12.8	1.643	2.476	14.9	21.9

311101 2004 GU_{74} 11 13.8 215°.50 6°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.95	+ 1 18.4	2.106	2.925	13.3	20.3
10 18	3 38.04	+ 0 33.5	2.033	2.922	10.6	20.1
10 28	3 31.13	− 0 6.3	1.984	2.919	8.0	20.0
11 7	3 22.84	− 0 36.0	1.961	2.916	6.3	19.9
11 17	3 13.99	− 0 51.4	1.965	2.913	6.7	19.9
11 27	3 5.52	− 0 49.4	1.998	2.910	8.9	20.0
12 7	2 58.30	− 0 29.3	2.056	2.907	11.7	20.2
12 17	2 52.94	+ 0 7.8	2.137	2.903	14.2	20.4

72991 2002 EW_{7} 11 13.8 103°.86 10°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.65	−10 10.2	2.057	2.850	14.4	19.8
10 18	3 39.09	−12 16.6	2.027	2.875	12.4	19.7
10 28	3 31.61	−14 8.0	2.022	2.900	11.0	19.6
11 7	3 22.95	−15 36.2	2.042	2.923	10.6	19.7
11 17	3 13.98	−16 35.4	2.087	2.947	11.3	19.7
11 27	3 5.65	−17 3.2	2.157	2.969	12.7	19.9
12 7	2 58.73	−17 0.9	2.248	2.991	14.3	20.0
12 17	2 53.74	−16 32.4	2.358	3.012	15.9	20.2

484273 2007 JQ_{17} 11 13.8 76°.30 2°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.92	+11 28.9	2.254	3.071	12.5	20.9
10 18	3 37.88	+11 19.7	2.183	3.080	9.6	20.8
10 28	3 30.95	+11 9.6	2.136	3.089	6.3	20.6
11 7	3 22.75	+11 0.5	2.116	3.097	3.1	20.4
11 17	3 14.05	+10 54.9	2.126	3.106	2.8	20.4
11 27	3 5.76	+10 55.1	2.165	3.115	5.9	20.6
12 7	2 58.69	+11 2.9	2.232	3.124	9.1	20.8
12 17	2 53.41	+11 19.4	2.325	3.133	11.9	21.0

299644 2006 KG_{65} 11 13.8 98°.94 6°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.05	+ 2 30.5	1.970	2.789	14.0	20.7
10 18	3 39.49	+ 1 30.0	1.921	2.811	11.1	20.6
10 28	3 31.93	+ 0 34.5	1.896	2.833	8.2	20.4
11 7	3 23.10	− 0 10.4	1.897	2.854	6.3	20.4
11 17	3 13.92	− 0 40.1	1.926	2.875	6.8	20.4
11 27	3 5.36	− 0 51.5	1.983	2.896	9.0	20.6
12 7	2 58.25	− 0 44.1	2.066	2.915	11.7	20.8
12 17	2 53.14	− 0 19.0	2.172	2.935	14.1	21.0

49771 1999 WP_{7} 11 13.8 258°.71 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.38	+16 58.1	1.563	2.392	16.6	19.3
10 18	3 40.86	+16 32.7	1.480	2.384	12.8	19.0
10 28	3 33.47	+15 58.9	1.419	2.375	8.4	18.7
11 7	3 23.96	+15 19.2	1.382	2.367	3.5	18.4
11 17	3 13.47	+14 37.7	1.372	2.358	2.4	18.3
11 27	3 3.44	+14 0.1	1.390	2.349	7.4	18.6
12 7	2 55.16	+13 31.9	1.434	2.340	12.1	18.9
12 17	2 49.53	+13 17.0	1.500	2.331	16.2	19.1

100092 1993 FK_{8} 11 13.8 266°.70 0°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.10	+18 55.1	1.885	2.699	14.7	20.7
10 18	3 40.32	+18 51.4	1.789	2.684	11.5	20.4
10 28	3 32.99	+18 40.3	1.716	2.669	7.6	20.1
11 7	3 23.74	+18 22.4	1.669	2.654	3.2	19.8
11 17	3 13.56	+18 0.0	1.651	2.638	1.5	19.7
11 27	3 3.65	+17 36.5	1.661	2.622	6.1	20.0
12 7	2 55.17	+17 16.4	1.698	2.606	10.4	20.2
12 17	2 48.99	+17 3.7	1.760	2.590	14.2	20.4

287494 2003 BJ_{28} 11 13.8 247°.21 1°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.66	+14 13.8	1.906	2.723	14.5	21.9
10 18	3 41.42	+13 57.1	1.810	2.707	11.2	21.6
10 28	3 33.66	+13 35.9	1.737	2.691	7.4	21.4
11 7	3 24.02	+13 12.4	1.691	2.674	3.3	21.1
11 17	3 13.43	+12 49.8	1.673	2.657	2.7	21.0
11 27	3 3.11	+12 31.8	1.684	2.639	6.8	21.2
12 7	2 54.20	+12 22.1	1.723	2.620	11.0	21.5
12 17	2 47.54	+12 23.5	1.786	2.601	14.7	21.7

124497 2001 RF_{45} 11 13.8 355°.09 6°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.13	+ 8 16.4	1.247	2.106	18.2	18.1
10 18	3 37.14	+ 7 7.6	1.184	2.101	14.2	17.9
10 28	3 31.14	+ 5 57.0	1.141	2.098	9.9	17.6
11 7	3 22.99	+ 4 53.0	1.121	2.096	6.6	17.5
11 17	3 13.96	+ 4 3.7	1.125	2.095	7.2	17.5
11 27	3 5.55	+ 3 36.3	1.153	2.094	11.0	17.7
12 7	2 59.08	+ 3 34.0	1.204	2.095	15.2	18.0
12 17	2 55.41	+ 3 56.2	1.274	2.096	19.0	18.2

127024 2002 GE_{20} 11 13.8 129°.71 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.88	+20 32.5	2.471	3.273	12.0	20.4
10 18	3 37.01	+20 11.6	2.393	3.281	9.3	20.2
10 28	3 30.35	+19 43.0	2.340	3.289	6.0	20.0
11 7	3 22.50	+19 8.2	2.314	3.297	2.5	19.8
11 17	3 14.19	+18 29.7	2.317	3.305	1.1	19.7
11 27	3 6.28	+17 51.0	2.351	3.312	4.6	20.0
12 7	2 59.52	+17 15.6	2.414	3.319	7.9	20.2
12 17	2 54.46	+16 47.0	2.503	3.326	10.8	20.4

522106 2016 AC_{14} 11 13.8 41°.83 6°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.56	+ 0 15.5	2.197	3.015	12.8	20.7
10 18	3 36.84	− 0 20.0	2.133	3.020	10.3	20.5
10 28	3 30.27	− 0 49.1	2.092	3.026	7.8	20.4
11 7	3 22.48	− 1 7.5	2.078	3.031	6.2	20.3
11 17	3 14.22	− 1 11.6	2.091	3.037	6.6	20.3
11 27	3 6.39	− 0 59.3	2.132	3.043	8.5	20.4
12 7	2 59.74	− 0 30.3	2.199	3.049	11.0	20.6
12 17	2 54.85	+ 0 13.9	2.289	3.055	13.4	20.8

353795 2012 QY_{41} 11 13.8 5°.24 2°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 35.87	+19 17.1	1.053	1.920	20.1	18.8
10 18	3 34.39	+18 0.2	0.994	1.919	15.5	18.6
10 28	3 29.56	+16 25.6	0.954	1.920	10.0	18.3
11 7	3 22.38	+14 40.7	0.936	1.922	4.2	18.0
11 17	3 14.30	+12 56.1	0.942	1.927	3.6	17.9
11 27	3 7.02	+11 24.3	0.971	1.933	9.2	18.3
12 7	3 1.96	+10 14.9	1.023	1.941	14.6	18.6
12 17	2 59.92	+ 9 32.3	1.093	1.950	19.1	18.9

265123 2003 UP_{129} 11 13.8 16°.56 5°.0/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.30	+32 30.7	2.002	2.777	15.3	20.3
10 18	3 38.92	+32 58.6	1.923	2.781	12.6	20.1
10 28	3 32.02	+33 11.0	1.865	2.784	9.5	19.9
11 7	3 23.32	+33 5.7	1.831	2.789	6.5	19.7
11 17	3 13.84	+32 42.3	1.824	2.793	5.0	19.7
11 27	3 4.84	+32 3.8	1.845	2.798	6.4	19.8
12 7	2 57.40	+31 16.0	1.893	2.804	9.3	19.9
12 17	2 52.31	+30 25.4	1.965	2.809	12.4	20.1

345860 2007 PQ_{40} 11 13.8 91°.44 9°.1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.99	− 3 31.7	1.757	2.577	15.4	20.4
10 18	3 39.00	− 4 53.6	1.710	2.591	12.7	20.3
10 28	3 31.77	− 6 5.1	1.685	2.605	10.3	20.2
11 7	3 23.10	− 6 58.7	1.685	2.618	9.1	20.1
11 17	3 13.99	− 7 28.4	1.711	2.632	9.7	20.2
11 27	3 5.51	− 7 31.3	1.762	2.645	11.7	20.4
12 7	2 58.59	− 7 8.1	1.837	2.658	14.1	20.5
12 17	2 53.82	− 6 21.9	1.931	2.671	16.4	20.7

243488 2009 TB_{41} 11 13.8 47°.05 3°.7/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.47	+10 42.1	2.102	2.931	12.9	19.7
10 18	3 35.37	+ 9 36.2	2.033	2.936	9.9	19.5
10 28	3 29.38	+ 8 27.3	1.988	2.941	6.7	19.3
11 7	3 22.13	+ 7 20.4	1.970	2.947	4.0	19.2
11 17	3 14.41	+ 6 20.5	1.981	2.952	4.4	19.2
11 27	3 7.13	+ 5 32.6	2.020	2.958	7.2	19.4
12 7	3 1.08	+ 5 0.0	2.087	2.964	10.3	19.6
12 17	2 56.82	+ 4 43.9	2.176	2.970	13.1	19.8

487173 2014 OB_{281} 11 13.8 353°.65 4°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.42	+ 7 38.8	1.880	2.709	14.2	21.0
10 18	3 37.94	+ 7 18.6	1.806	2.707	11.0	20.8
10 28	3 31.23	+ 6 59.8	1.754	2.705	7.5	20.6
11 7	3 22.96	+ 6 46.3	1.728	2.704	4.6	20.4
11 17	3 14.02	+ 6 41.3	1.730	2.703	4.7	20.5
11 27	3 5.50	+ 6 47.9	1.760	2.702	7.7	20.6
12 7	2 58.35	+ 7 7.4	1.816	2.702	11.2	20.8
12 17	2 53.28	+ 7 40.0	1.895	2.702	14.3	21.1

239948 2001 DB_{87} 11 13.9 206°.57 2°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.97	+13 47.4	1.991	2.812	13.9	21.3
10 18	3 39.07	+13 15.2	1.910	2.809	10.6	21.1
10 28	3 31.94	+12 38.4	1.851	2.805	7.0	20.9
11 7	3 23.25	+12 0.1	1.819	2.802	3.3	20.7
11 17	3 13.89	+11 24.1	1.816	2.798	3.0	20.6
11 27	3 4.94	+10 54.6	1.843	2.794	6.6	20.9
12 7	2 57.35	+10 35.3	1.896	2.790	10.3	21.1
12 17	2 51.82	+10 28.3	1.974	2.785	13.6	21.3

449202 2013 CR_{55} 11 13.9 249°.10 5°.5/17.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.23	+33 15.9	2.019	2.784	15.6	21.5
10 18	3 42.11	+33 54.0	1.929	2.779	12.9	21.3
10 28	3 34.23	+34 16.8	1.859	2.773	9.9	21.1
11 7	3 24.30	+34 21.2	1.814	2.768	6.9	20.9
11 17	3 13.38	+34 5.6	1.796	2.762	5.5	20.8
11 27	3 2.82	+33 32.1	1.807	2.756	6.9	20.9
12 7	2 53.88	+32 46.4	1.844	2.750	9.9	21.1
12 17	2 47.46	+31 55.6	1.906	2.744	13.0	21.3

432765 2011 FK_{15} 11 13.9 99°.52 1°.5/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.23	+22 56.2	1.763	2.566	16.1	22.2
10 18	3 43.26	+22 58.0	1.701	2.587	12.5	22.1
10 28	3 34.67	+22 48.8	1.661	2.607	8.3	21.9
11 7	3 24.35	+22 28.7	1.646	2.627	3.9	21.6
11 17	3 13.43	+21 59.9	1.659	2.646	1.8	21.5
11 27	3 3.25	+21 26.5	1.702	2.665	5.9	21.8
12 7	2 54.89	+20 54.0	1.773	2.683	9.9	22.1
12 17	2 49.05	+20 27.1	1.867	2.701	13.4	22.4

183203 2002 TS_{17} 11 13.9 114°.67 3°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.22	+27 13.4	1.658	2.451	17.3	20.9
10 18	3 45.23	+27 40.3	1.589	2.465	13.8	20.7
10 28	3 36.21	+27 53.1	1.542	2.478	9.7	20.4
11 7	3 25.06	+27 49.6	1.518	2.491	5.6	20.2
11 17	3 13.09	+27 29.9	1.523	2.503	3.7	20.2
11 27	3 1.81	+26 57.9	1.555	2.515	6.6	20.4
12 7	2 52.57	+26 20.2	1.615	2.527	10.6	20.6
12 17	2 46.20	+25 43.5	1.699	2.538	14.2	20.9

332076 2005 SS_{239} 11 13.9 21°.22 1°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.09	+25 16.1	1.282	2.115	19.3	19.5
10 18	3 38.77	+24 30.1	1.216	2.119	15.1	19.3
10 28	3 32.22	+23 23.5	1.170	2.124	10.1	19.0
11 7	3 23.44	+21 59.1	1.146	2.129	4.6	18.7
11 17	3 13.84	+20 23.4	1.148	2.136	1.9	18.6
11 27	3 5.06	+18 46.4	1.176	2.142	7.2	18.9
12 7	2 58.44	+17 18.8	1.229	2.150	12.4	19.2
12 17	2 54.80	+16 8.4	1.304	2.158	16.8	19.5

332915 2011 BE_{112} 11 13.9 230°.52 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.68	+19 52.7	2.567	3.371	11.6	22.4
10 18	3 36.15	+19 33.6	2.477	3.366	8.9	22.2
10 28	3 29.86	+19 7.5	2.410	3.361	5.8	22.0
11 7	3 22.35	+18 35.6	2.372	3.355	2.4	21.8
11 17	3 14.32	+18 0.3	2.363	3.350	1.1	21.7
11 27	3 6.58	+17 24.7	2.384	3.344	4.6	21.9
12 7	2 59.88	+16 52.3	2.434	3.338	7.9	22.1
12 17	2 54.79	+16 26.4	2.510	3.332	10.7	22.3

314360 2005 TJ_{195} 11 13.9 323°.36 1°.3/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.30	+16 25.4	1.896	2.721	14.2	21.2
10 18	3 37.20	+15 59.5	1.813	2.715	11.0	20.9
10 28	3 30.82	+15 27.0	1.753	2.709	7.1	20.7
11 7	3 22.82	+14 50.5	1.719	2.703	3.0	20.4
11 17	3 14.11	+14 13.5	1.713	2.698	2.2	20.4
11 27	3 5.78	+13 40.5	1.735	2.693	6.3	20.6
12 7	2 58.83	+13 15.7	1.784	2.688	10.3	20.9
12 17	2 53.99	+13 2.0	1.857	2.683	13.8	21.1

182295 2001 LJ_{13} 11 13.9 154°.09 0°.8/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.77	+19 0.7	1.915	2.725	14.7	20.7
10 18	3 41.21	+18 18.7	1.840	2.733	11.3	20.5
10 28	3 33.29	+17 27.1	1.788	2.741	7.3	20.3
11 7	3 23.78	+16 28.7	1.764	2.748	3.0	20.0
11 17	3 13.70	+15 27.8	1.768	2.754	1.9	20.0
11 27	3 4.18	+14 30.0	1.803	2.760	6.1	20.3
12 7	2 56.23	+13 40.8	1.865	2.765	10.1	20.5
12 17	2 50.53	+13 4.0	1.952	2.769	13.5	20.7

261728 2006 AS_{47} 11 13.9 12°.46 3°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.36	+31 28.7	2.004	2.785	15.2	20.0
10 18	3 38.10	+31 25.8	1.922	2.786	12.3	19.8
10 28	3 31.42	+31 6.2	1.861	2.788	9.0	19.6
11 7	3 23.06	+30 28.9	1.824	2.790	5.7	19.4
11 17	3 14.01	+29 35.4	1.815	2.792	3.9	19.3
11 27	3 5.47	+28 30.1	1.834	2.794	5.8	19.4
12 7	2 58.46	+27 19.8	1.881	2.796	9.1	19.6
12 17	2 53.72	+26 11.2	1.954	2.799	12.4	19.8

240948 2006 GK_{45} 11 13.9 82°.61 1°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.61	+15 49.9	1.734	2.559	15.4	21.3
10 18	3 39.68	+15 16.6	1.672	2.573	11.7	21.1
10 28	3 32.34	+14 36.9	1.631	2.587	7.6	20.9
11 7	3 23.40	+13 54.3	1.616	2.600	3.3	20.6
11 17	3 13.91	+13 12.8	1.630	2.614	2.6	20.6
11 27	3 5.04	+12 37.5	1.672	2.627	6.7	20.9
12 7	2 57.82	+12 12.4	1.740	2.641	10.7	21.2
12 17	2 52.90	+12 0.1	1.832	2.654	14.1	21.4

291346 2006 BH_{230} 11 13.9 180°.47 5°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.81	+ 1 3.4	2.801	3.609	10.6	21.0
10 18	3 35.93	+ 0 21.2	2.727	3.610	8.5	20.8
10 28	3 29.56	− 0 17.0	2.679	3.610	6.4	20.7
11 7	3 22.20	− 0 47.4	2.658	3.610	5.1	20.6
11 17	3 14.44	− 1 6.7	2.667	3.610	5.5	20.7
11 27	3 6.98	− 1 12.8	2.704	3.609	7.2	20.8
12 7	3 0.44	− 1 4.5	2.769	3.608	9.4	20.9
12 17	2 55.30	− 0 42.4	2.858	3.607	11.4	21.1

485768 2012 CP_{24} 11 13.9 311°.56 6°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 39.73	+ 4 15.4	1.981	2.812	13.5	21.5
10 18	3 35.77	+ 3 0.6	1.908	2.807	10.7	21.3
10 28	3 29.76	+ 1 47.2	1.859	2.801	7.9	21.1
11 7	3 22.35	+ 0 41.4	1.835	2.796	6.1	21.0
11 17	3 14.36	− 0 10.8	1.839	2.791	6.8	21.1
11 27	3 6.75	− 0 44.5	1.870	2.786	9.3	21.2
12 7	3 0.39	− 0 57.4	1.927	2.781	12.2	21.4
12 17	2 55.92	− 0 49.7	2.005	2.776	14.9	21.6

104092 2000 EN_{34} 11 13.9 296°.29 7°.6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.58	− 0 7.8	1.801	2.628	14.8	19.3
10 18	3 38.18	− 1 5.7	1.728	2.619	12.0	19.1
10 28	3 31.46	− 1 57.2	1.677	2.610	9.3	18.9
11 7	3 23.09	− 2 35.9	1.651	2.602	7.7	18.8
11 17	3 14.02	− 2 55.9	1.651	2.593	8.3	18.8
11 27	3 5.36	− 2 53.4	1.677	2.585	10.7	19.0
12 7	2 58.10	− 2 27.9	1.728	2.577	13.6	19.1
12 17	2 52.98	− 1 41.0	1.799	2.569	16.4	19.3

453496 2009 SQ_{350} 11 13.9 295°.84 1°.3/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.65	+15 10.3	2.150	2.969	13.0	21.5
10 18	3 37.28	+14 56.9	2.057	2.956	10.0	21.3
10 28	3 30.81	+14 39.2	1.989	2.943	6.5	21.0
11 7	3 22.83	+14 19.0	1.946	2.931	2.8	20.8
11 17	3 14.14	+13 59.0	1.933	2.918	2.1	20.7
11 27	3 5.72	+13 42.4	1.949	2.906	5.8	20.9
12 7	2 58.48	+13 32.3	1.992	2.893	9.5	21.1
12 17	2 53.14	+13 31.2	2.060	2.881	12.8	21.3

219233 1999 VN_{187} 11 13.9 357°.05 1°.8/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.31	+11 44.3	1.612	2.444	16.0	19.0
10 18	3 40.70	+12 14.4	1.535	2.440	12.4	18.8
10 28	3 33.33	+12 45.8	1.480	2.437	8.1	18.6
11 7	3 23.95	+13 19.3	1.451	2.435	3.6	18.3
11 17	3 13.64	+13 55.7	1.449	2.434	2.6	18.2
11 27	3 3.74	+14 35.7	1.474	2.434	7.0	18.5
12 7	2 55.50	+15 20.4	1.526	2.434	11.4	18.8
12 17	2 49.79	+16 10.3	1.602	2.436	15.2	19.0

252948 2002 PC_{75} 11 13.9 55°.83 2°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.83	+27 52.2	1.697	2.500	16.6	19.8
10 18	3 39.40	+27 27.5	1.626	2.509	13.1	19.6
10 28	3 32.32	+26 45.4	1.577	2.519	9.1	19.4
11 7	3 23.44	+25 46.7	1.552	2.528	4.8	19.2
11 17	3 13.93	+24 34.8	1.554	2.538	2.6	19.1
11 27	3 5.09	+23 16.5	1.584	2.549	6.0	19.3
12 7	2 58.05	+21 59.5	1.642	2.559	10.1	19.6
12 17	2 53.52	+20 51.2	1.724	2.570	13.7	19.8

179743 2002 RY_{153} 11 13.9 68°.08 1°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.91	+16 55.7	1.368	2.205	18.1	20.2
10 18	3 41.23	+16 13.5	1.311	2.219	13.8	20.0
10 28	3 33.60	+15 22.1	1.276	2.234	8.9	19.8
11 7	3 23.98	+14 26.0	1.264	2.249	3.8	19.5
11 17	3 13.72	+13 30.9	1.279	2.264	2.9	19.5
11 27	3 4.30	+12 43.6	1.320	2.279	7.8	19.8
12 7	2 56.94	+12 9.9	1.387	2.294	12.4	20.2
12 17	2 52.39	+11 52.5	1.475	2.309	16.3	20.4

219276 2000 BL_{17} 11 13.9 289°.30 0°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.54	+17 38.0	1.484	2.315	17.2	20.6
10 18	3 41.36	+17 31.8	1.395	2.299	13.4	20.3
10 28	3 34.07	+17 17.7	1.325	2.282	8.9	20.0
11 7	3 24.37	+16 57.1	1.280	2.265	3.7	19.7
11 17	3 13.44	+16 32.7	1.262	2.248	2.0	19.5
11 27	3 2.82	+16 9.2	1.270	2.232	7.5	19.8
12 7	2 53.99	+15 52.0	1.303	2.215	12.6	20.0
12 17	2 48.00	+15 45.6	1.359	2.199	17.0	20.3

225665 2001 NU_{8} 11 13.9 51°.96 4°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.11	+29 18.4	1.374	2.181	19.6	19.8
10 18	3 43.43	+29 48.1	1.313	2.194	15.8	19.6
10 28	3 35.33	+29 59.4	1.270	2.206	11.4	19.3
11 7	3 24.79	+29 49.6	1.250	2.220	7.0	19.1
11 17	3 13.33	+29 19.1	1.255	2.233	4.9	19.0
11 27	3 2.72	+28 32.9	1.286	2.247	7.5	19.2
12 7	2 54.44	+27 39.6	1.342	2.261	11.7	19.5
12 17	2 49.39	+26 48.1	1.421	2.275	15.6	19.8

323054 2002 RM_{194} 11 13.9 86°.66 1°.4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.07	+22 49.9	1.516	2.327	17.9	21.5
10 18	3 44.96	+22 49.5	1.462	2.352	13.9	21.3
10 28	3 35.90	+22 36.6	1.428	2.377	9.2	21.1
11 7	3 24.90	+22 11.7	1.419	2.401	4.2	20.8
11 17	3 13.32	+21 37.4	1.438	2.425	1.9	20.7
11 27	3 2.67	+20 58.9	1.485	2.448	6.4	21.1
12 7	2 54.17	+20 22.7	1.559	2.471	10.8	21.4
12 17	2 48.53	+19 53.9	1.656	2.494	14.6	21.7

411126 2009 WJ_{191} 11 13.9 324°.60 0°.7/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.56	+14 45.3	1.859	2.681	14.6	20.7
10 18	3 40.01	+15 11.4	1.763	2.662	11.4	20.5
10 28	3 32.90	+15 36.1	1.689	2.643	7.5	20.2
11 7	3 23.82	+16 0.1	1.641	2.625	3.1	19.9
11 17	3 13.70	+16 23.7	1.621	2.607	1.7	19.7
11 27	3 3.76	+16 48.6	1.630	2.590	6.3	20.0
12 7	2 55.18	+17 16.4	1.666	2.574	10.6	20.2
12 17	2 48.86	+17 48.9	1.726	2.558	14.3	20.4

385646 2005 QN_{175} 11 13.9 30°.23 1°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.10	+21 47.1	1.065	1.915	21.2	20.4
10 18	3 40.65	+21 49.4	1.018	1.931	16.4	20.2
10 28	3 33.58	+21 37.3	0.990	1.948	10.9	19.9
11 7	3 24.05	+21 11.9	0.982	1.966	4.8	19.6
11 17	3 13.71	+20 37.1	0.998	1.986	2.1	19.5
11 27	3 4.44	+19 59.8	1.039	2.007	7.7	19.9
12 7	2 57.71	+19 27.5	1.103	2.028	13.0	20.3
12 17	2 54.32	+19 6.0	1.187	2.051	17.4	20.6

358251 2006 TH_{21} 11 13.9 16°.97 2°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.79	+16 28.2	1.568	2.408	16.0	20.4
10 18	3 36.32	+15 22.0	1.502	2.412	12.2	20.1
10 28	3 30.33	+14 6.1	1.457	2.416	7.9	19.9
11 7	3 22.64	+12 46.0	1.437	2.421	3.6	19.7
11 17	3 14.32	+11 28.4	1.445	2.427	3.4	19.7
11 27	3 6.60	+10 20.8	1.479	2.434	7.6	19.9
12 7	3 0.52	+ 9 29.1	1.540	2.441	11.8	20.2
12 17	2 56.79	+ 8 56.4	1.622	2.448	15.4	20.4

4055 Magellan 11 13.9 49°.42 27°.5/10.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.76	−21 29.6	0.606	1.456	32.5	15.8
10 18	3 46.83	−25 58.0	0.637	1.497	29.8	15.9
10 28	3 36.80	−29 0.6	0.681	1.540	28.2	16.1
11 7	3 24.93	−30 30.5	0.736	1.584	27.5	16.3
11 17	3 13.56	−30 33.1	0.803	1.628	27.6	16.5
11 27	3 4.66	−29 22.9	0.881	1.672	28.1	16.8
12 7	2 59.25	−27 19.4	0.969	1.716	28.9	17.1
12 17	2 57.54	−24 40.5	1.067	1.759	29.6	17.4

400664 2009 HV_{99} 11 13.9 124°.93 2°.1/12.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.20	+16 44.7	2.113	2.930	13.3	21.6
10 18	3 37.47	+15 29.0	2.039	2.937	10.1	21.4
10 28	3 30.76	+14 4.8	1.990	2.945	6.5	21.2
11 7	3 22.75	+12 36.8	1.969	2.952	3.0	21.0
11 17	3 14.30	+11 10.5	1.978	2.959	2.9	21.0
11 27	3 6.34	+ 9 52.2	2.017	2.966	6.3	21.3
12 7	2 59.71	+ 8 47.1	2.084	2.973	9.8	21.5
12 17	2 54.97	+ 7 58.2	2.176	2.979	12.8	21.7

212685 2006 WK_{70} 11 13.9 135°.67 0°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.10	+20 35.7	2.219	3.018	13.3	20.9
10 18	3 40.54	+20 45.6	2.141	3.026	10.3	20.7
10 28	3 32.84	+20 48.5	2.086	3.033	6.8	20.5
11 7	3 23.66	+20 44.6	2.058	3.040	3.0	20.3
11 17	3 13.87	+20 35.1	2.060	3.047	1.3	20.2
11 27	3 4.49	+20 22.4	2.092	3.054	5.0	20.4
12 7	2 56.45	+20 10.0	2.153	3.060	8.6	20.7
12 17	2 50.40	+20 1.1	2.240	3.066	11.7	20.9

134025 2004 VW_{65} 11 13.9 280°.34 0°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.65	+18 13.1	1.721	2.543	15.6	20.1
10 18	3 40.15	+18 4.1	1.634	2.533	12.1	19.8
10 28	3 32.98	+17 47.3	1.568	2.523	7.9	19.5
11 7	3 23.84	+17 24.2	1.528	2.513	3.3	19.2
11 17	3 13.76	+16 57.4	1.515	2.503	1.7	19.1
11 27	3 4.04	+16 31.2	1.531	2.492	6.5	19.4
12 7	2 55.90	+16 10.2	1.573	2.482	11.0	19.6
12 17	2 50.21	+15 58.5	1.638	2.472	14.9	19.9

488065 2015 UH_{71} 11 13.9 24°.40 2°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.56	+12 12.3	1.674	2.508	15.4	21.0
10 18	3 38.29	+11 48.6	1.607	2.513	11.8	20.7
10 28	3 31.58	+11 22.2	1.562	2.518	7.8	20.5
11 7	3 23.17	+10 56.7	1.542	2.524	3.8	20.3
11 17	3 14.10	+10 35.9	1.549	2.530	3.6	20.3
11 27	3 5.57	+10 23.8	1.584	2.537	7.3	20.6
12 7	2 58.62	+10 23.2	1.645	2.544	11.3	20.8
12 17	2 53.97	+10 35.5	1.729	2.552	14.8	21.0

378575 2008 DF_{55} 11 13.9 311°.25 3°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.97	+25 44.7	1.335	2.157	19.3	20.8
10 18	3 42.18	+26 8.7	1.253	2.147	15.4	20.5
10 28	3 34.86	+26 18.0	1.190	2.136	10.9	20.2
11 7	3 24.77	+26 10.1	1.149	2.126	6.0	19.9
11 17	3 13.31	+25 45.0	1.133	2.117	3.6	19.7
11 27	3 2.30	+25 6.9	1.142	2.107	7.6	20.0
12 7	2 53.45	+24 23.8	1.176	2.098	12.7	20.2
12 17	2 47.91	+23 44.1	1.232	2.090	17.3	20.5

487397 2014 QA_{327} 11 13.9 16°.92 7°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.83	+32 37.5	1.714	2.492	17.5	19.8
10 18	3 43.83	+34 10.0	1.645	2.499	14.5	19.6
10 28	3 35.64	+35 28.4	1.595	2.508	11.3	19.4
11 7	3 25.02	+36 26.7	1.570	2.518	8.4	19.3
11 17	3 13.22	+37 1.1	1.571	2.528	7.1	19.2
11 27	3 1.88	+37 11.8	1.598	2.540	8.4	19.3
12 7	2 52.48	+37 3.9	1.651	2.552	11.2	19.5
12 17	2 46.06	+36 44.7	1.728	2.565	14.1	19.7

477864 2011 HE_{12} 11 13.9 90°.65 1°.7/13.0 18

10 8	3 47.58	+15 0.5	1.667	2.489	16.0	21.5
10 18	3 42.03	+14 43.8	1.607	2.507	12.2	21.3
10 28	3 33.92	+14 22.2	1.569	2.524	7.9	21.0
11 7	3 24.10	+13 58.3	1.557	2.541	3.4	20.8
11 17	3 13.71	+13 35.5	1.573	2.558	2.6	20.8
11 27	3 4.02	+13 17.8	1.618	2.574	6.8	21.1
12 7	2 56.10	+13 8.6	1.689	2.590	10.9	21.4
12 17	2 50.65	+13 10.3	1.783	2.606	14.4	21.6

479709 2014 DN_{120} 11 13.9 295°.28 4°.0/15.9 18

10 8	3 45.72	+28 29.8	1.595	2.397	17.5	21.0
10 18	3 41.47	+28 47.2	1.508	2.388	14.2	20.8
10 28	3 34.10	+28 48.5	1.442	2.379	10.2	20.5
11 7	3 24.38	+28 31.6	1.398	2.370	6.1	20.3
11 17	3 13.52	+27 56.6	1.381	2.361	4.1	20.1
11 27	3 3.11	+27 7.5	1.391	2.353	7.0	20.3
12 7	2 54.57	+26 12.0	1.426	2.344	11.2	20.5
12 17	2 48.92	+25 18.1	1.485	2.336	15.3	20.7

436543 2011 GK_{46} 11 13.9 174°.65 1°.0/13.4 18

10 8	3 47.53	+16 23.3	1.778	2.595	15.4	21.6
10 18	3 42.11	+16 15.5	1.700	2.597	11.9	21.3
10 28	3 34.11	+16 2.0	1.644	2.598	7.7	21.1
11 7	3 24.26	+15 44.5	1.615	2.599	3.2	20.8
11 17	3 13.62	+15 25.5	1.614	2.600	2.0	20.8
11 27	3 3.47	+15 8.7	1.641	2.600	6.5	21.0
12 7	2 54.93	+14 58.0	1.696	2.600	10.7	21.3
12 17	2 48.82	+14 56.4	1.775	2.599	14.4	21.5

300424 2007 SG_{20} 11 13.9 102°.43 6°.2/17.1 18

10 8	3 50.97	+33 23.5	1.909	2.672	16.4	20.5
10 18	3 45.11	+34 23.7	1.833	2.680	13.6	20.3
10 28	3 36.26	+35 8.6	1.777	2.687	10.5	20.2
11 7	3 25.21	+35 34.0	1.746	2.695	7.5	20.0
11 17	3 13.17	+35 37.4	1.742	2.703	6.2	19.9
11 27	3 1.61	+35 20.4	1.766	2.710	7.5	20.0
12 7	2 51.89	+34 48.8	1.817	2.718	10.3	20.2
12 17	2 44.94	+34 9.9	1.892	2.725	13.2	20.4

394985 2009 BA_{19} 11 13.9 271°.92 3°.2/12.1 18

10 8	3 43.58	+11 42.4	1.787	2.616	14.8	21.7
10 18	3 39.08	+11 9.3	1.706	2.609	11.4	21.4
10 28	3 32.13	+10 33.1	1.647	2.602	7.6	21.2
11 7	3 23.45	+ 9 57.5	1.615	2.595	4.0	21.0
11 17	3 13.99	+ 9 26.8	1.609	2.588	3.9	21.0
11 27	3 4.93	+ 9 5.5	1.632	2.581	7.6	21.2
12 7	2 57.33	+ 8 57.1	1.681	2.574	11.5	21.4
12 17	2 51.97	+ 9 3.0	1.753	2.567	15.0	21.6

293729 2007 RU_{22} 11 13.9 20°.67 1°.2/14.5 18

10 8	3 42.97	+22 37.1	1.449	2.277	17.7	20.5
10 18	3 39.17	+22 29.3	1.381	2.282	13.8	20.3
10 28	3 32.42	+22 8.4	1.334	2.287	9.2	20.0
11 7	3 23.60	+21 35.4	1.310	2.293	4.2	19.8
11 17	3 13.94	+20 53.4	1.312	2.300	1.8	19.6
11 27	3 4.94	+20 8.2	1.341	2.307	6.6	20.0
12 7	2 57.88	+19 26.5	1.396	2.315	11.3	20.2
12 17	2 53.56	+18 54.0	1.472	2.323	15.4	20.5

24180 1999 XH_{8} 11 13.9 0°.32 5°.2/11.5 18

10 8	3 45.10	+ 5 19.3	1.743	2.571	15.2	18.4
10 18	3 40.16	+ 4 53.6	1.672	2.571	11.9	18.2
10 28	3 32.78	+ 4 31.4	1.623	2.571	8.4	18.0
11 7	3 23.69	+ 4 17.2	1.600	2.571	5.6	17.8
11 17	3 13.89	+ 4 15.0	1.603	2.571	5.8	17.8
11 27	3 4.58	+ 4 27.7	1.635	2.571	8.7	18.0
12 7	2 56.80	+ 4 56.2	1.692	2.571	12.2	18.2
12 17	2 51.29	+ 5 39.6	1.772	2.571	15.4	18.4

437360 2013 TV_{158} 11 13.9 359°.52 0°.6/ 7.5 16

10 8	3 19.83	− 5 45.4	35.709	36.502	1.0	22.0
10 18	3 19.15	− 5 52.5	35.642	36.501	0.8	22.0
10 28	3 18.38	− 5 59.0	35.601	36.500	0.7	22.0
11 7	3 17.55	− 6 4.6	35.588	36.499	0.6	22.0
11 17	3 16.71	− 6 9.0	35.602	36.498	0.7	22.0
11 27	3 15.87	− 6 12.2	35.644	36.497	0.8	22.0
12 7	3 15.08	− 6 14.0	35.713	36.497	0.9	22.0
12 17	3 14.37	− 6 14.5	35.807	36.496	1.1	22.0

100764 1998 FR_{23} 11 13.9 186°.06 1°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.43	+15 38.1	1.669	2.491	16.0	19.9
10 18	3 42.18	+15 11.4	1.591	2.491	12.3	19.6
10 28	3 34.22	+14 38.0	1.536	2.491	8.0	19.4
11 7	3 24.33	+14 0.8	1.506	2.490	3.5	19.1
11 17	3 13.63	+13 23.8	1.504	2.489	2.7	19.1
11 27	3 3.45	+12 52.0	1.531	2.487	7.2	19.3
12 7	2 54.97	+12 30.1	1.584	2.485	11.5	19.6
12 17	2 49.02	+12 21.0	1.661	2.482	15.3	19.8

69660 1998 FP_{117} 11 13.9 153°.20 0°.1/13.9 18

10 8	3 44.88	+21 49.4	2.086	2.889	13.9	19.9
10 18	3 39.66	+21 7.7	2.007	2.895	10.7	19.7
10 28	3 32.27	+20 14.8	1.952	2.902	7.0	19.5
11 7	3 23.44	+19 12.9	1.924	2.907	2.9	19.2
11 17	3 14.07	+18 6.0	1.926	2.913	1.3	19.1
11 27	3 5.21	+16 59.4	1.957	2.918	5.4	19.4
12 7	2 57.77	+15 58.9	2.018	2.922	9.2	19.7
12 17	2 52.41	+15 8.9	2.103	2.926	12.5	19.9

394104 2006 BR_{158} 11 13.9 285°.01 14°.0/12.8 16

10 8	4 1.48	−10 53.9	1.057	1.868	24.0	20.3
10 18	3 54.63	−11 2.4	0.987	1.858	20.6	20.0
10 28	3 43.27	−10 41.3	0.934	1.847	17.1	19.8
11 7	3 28.37	− 9 38.6	0.901	1.837	14.5	19.6
11 17	3 11.76	− 7 47.7	0.890	1.826	14.3	19.6
11 27	2 55.87	− 5 11.2	0.904	1.816	16.8	19.7
12 7	2 42.86	− 2 1.1	0.940	1.806	20.8	19.9
12 17	2 34.04	+ 1 27.6	0.997	1.796	24.8	20.1

368299 2002 OP_{34} 11 13.9 105°.92 1°.7/15.3 18

10 8	3 41.52	+26 3.8	2.456	3.245	12.5	21.2
10 18	3 36.89	+25 44.7	2.375	3.251	9.8	21.1
10 28	3 30.39	+25 14.4	2.318	3.258	6.7	20.9
11 7	3 22.64	+24 33.6	2.287	3.264	3.4	20.7
11 17	3 14.42	+23 44.4	2.286	3.271	1.8	20.6
11 27	3 6.62	+22 50.7	2.315	3.277	4.5	20.8
12 7	3 0.00	+21 57.1	2.373	3.284	7.7	21.0
12 17	2 55.15	+21 8.1	2.457	3.290	10.6	21.2

359294 2009 HS_{45} 11 13.9 150°.23 1°.3/12.9 18

10 8	3 44.14	+15 13.4	2.424	3.232	12.1	21.9
10 18	3 38.76	+14 52.8	2.348	3.240	9.2	21.7
10 28	3 31.56	+14 28.0	2.296	3.248	6.0	21.5
11 7	3 23.12	+14 1.0	2.272	3.255	2.6	21.3
11 17	3 14.22	+13 34.5	2.278	3.262	2.0	21.3
11 27	3 5.70	+13 11.5	2.315	3.269	5.3	21.5
12 7	2 58.35	+12 54.8	2.380	3.275	8.5	21.7
12 17	2 52.74	+12 46.6	2.471	3.280	11.3	21.9

21522 Entwisle 11 13.9 177°.01 3°.6/11.5 18

10 8	3 43.93	+ 9 57.3	2.166	2.984	13.0	19.3
10 18	3 38.80	+ 9 8.0	2.090	2.986	10.0	19.1
10 28	3 31.68	+ 8 16.7	2.037	2.988	6.7	18.9
11 7	3 23.20	+ 7 27.5	2.012	2.989	4.0	18.8
11 17	3 14.18	+ 6 44.7	2.017	2.989	4.2	18.8
11 27	3 5.57	+ 6 12.4	2.051	2.989	7.1	19.0
12 7	2 58.22	+ 5 53.6	2.112	2.988	10.3	19.2
12 17	2 52.73	+ 5 49.5	2.197	2.987	13.2	19.4

230870 2004 RW_{198} 11 13.9 55°.79 2°.4/15.1 18

10 8	3 46.11	+25 1.6	1.541	2.354	17.5	20.6
10 18	3 41.49	+25 6.7	1.472	2.361	13.8	20.4
10 28	3 33.91	+24 57.6	1.423	2.369	9.5	20.2
11 7	3 24.23	+24 34.1	1.398	2.377	4.8	19.9
11 17	3 13.72	+23 58.1	1.400	2.385	2.6	19.8
11 27	3 3.88	+23 14.5	1.429	2.393	6.5	20.1
12 7	2 55.98	+22 30.2	1.484	2.401	10.9	20.3
12 17	2 50.88	+21 51.7	1.562	2.410	14.8	20.6

518462 2005 JP_{73} 11 13.9 220°.19 1°.2/12.9 18

10 8	3 42.74	+18 18.5	2.151	2.963	13.2	21.6
10 18	3 38.04	+17 24.8	2.062	2.957	10.2	21.4
10 28	3 31.27	+16 21.6	1.997	2.951	6.6	21.2
11 7	3 23.06	+15 12.2	1.960	2.944	2.8	20.9
11 17	3 14.24	+14 1.1	1.952	2.937	2.1	20.8
11 27	3 5.81	+12 53.7	1.974	2.929	5.9	21.1
12 7	2 58.64	+11 55.3	2.024	2.921	9.6	21.3
12 17	2 53.39	+11 10.0	2.100	2.913	12.9	21.5

439356 2012 XY_{122} 11 13.9 110°.01 6°.2/10.6 18

10 8	3 46.36	+ 1 42.9	1.933	2.750	14.3	21.2
10 18	3 40.67	+ 1 0.5	1.877	2.766	11.4	21.1
10 28	3 32.86	+ 0 24.1	1.844	2.781	8.4	20.9
11 7	3 23.66	− 0 1.4	1.838	2.796	6.4	20.8
11 17	3 14.01	− 0 11.8	1.859	2.810	6.8	20.9
11 27	3 4.95	− 0 4.7	1.908	2.824	9.1	21.1
12 7	2 57.36	+ 0 20.1	1.983	2.838	11.8	21.3
12 17	2 51.85	+ 1 1.1	2.081	2.851	14.4	21.5

319283 2006 BO_{76} 11 13.9 141°.68 1°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.81	+14 10.9	2.532	3.343	11.5	21.0
10 18	3 36.93	+13 49.6	2.455	3.349	8.8	20.9
10 28	3 30.35	+13 25.1	2.402	3.355	5.7	20.7
11 7	3 22.62	+12 59.3	2.377	3.360	2.6	20.5
11 17	3 14.45	+12 34.9	2.383	3.366	2.2	20.5
11 27	3 6.62	+12 14.7	2.418	3.371	5.2	20.7
12 7	2 59.86	+12 1.3	2.482	3.376	8.2	20.9
12 17	2 54.71	+11 56.4	2.572	3.380	10.9	21.1

134995 2001 FZ_{155} 11 13.9 154°.93 5°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.65	+33 47.8	2.182	2.933	15.0	20.0
10 18	3 44.54	+34 37.6	2.099	2.939	12.4	19.8
10 28	3 35.75	+35 13.1	2.037	2.943	9.5	19.6
11 7	3 25.00	+35 30.6	2.001	2.948	6.9	19.5
11 17	3 13.35	+35 28.5	1.992	2.952	5.6	19.4
11 27	3 2.10	+35 8.3	2.012	2.956	6.8	19.5
12 7	2 52.45	+34 35.0	2.061	2.959	9.4	19.6
12 17	2 45.26	+33 55.0	2.134	2.962	12.1	19.8

177758 2005 JK_{93} 11 13.9 97°.95 2°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.63	+24 45.6	1.619	2.421	17.3	20.6
10 18	3 44.57	+24 42.3	1.560	2.444	13.5	20.4
10 28	3 35.66	+24 25.0	1.521	2.466	9.1	20.2
11 7	3 24.87	+23 54.1	1.508	2.487	4.5	20.0
11 17	3 13.48	+23 12.1	1.523	2.508	2.2	19.9
11 27	3 2.94	+22 24.2	1.566	2.529	6.2	20.2
12 7	2 54.44	+21 37.4	1.636	2.549	10.4	20.5
12 17	2 48.70	+20 57.4	1.730	2.568	14.1	20.7

235825 2004 XK_{127} 11 13.9 37°.71 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.67	+19 29.4	1.324	2.162	18.5	19.9
10 18	3 40.50	+19 21.0	1.269	2.176	14.3	19.7
10 28	3 33.26	+19 2.4	1.234	2.191	9.3	19.5
11 7	3 23.94	+18 35.4	1.222	2.207	3.9	19.2
11 17	3 13.90	+18 3.6	1.236	2.224	1.7	19.1
11 27	3 4.69	+17 32.8	1.277	2.241	7.1	19.5
12 7	2 57.58	+17 8.5	1.342	2.259	11.9	19.8
12 17	2 53.36	+16 54.8	1.429	2.277	15.9	20.1

458443 2011 AD_{76} 11 13.9 312°.38 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.85	+19 1.3	1.890	2.711	14.5	21.8
10 18	3 37.95	+18 59.5	1.790	2.688	11.3	21.5
10 28	3 31.57	+18 50.2	1.712	2.665	7.5	21.2
11 7	3 23.32	+18 34.5	1.659	2.643	3.2	20.9
11 17	3 14.10	+18 14.2	1.634	2.621	1.4	20.8
11 27	3 5.06	+17 52.8	1.637	2.600	6.0	21.0
12 7	2 57.36	+17 34.6	1.667	2.578	10.3	21.2
12 17	2 51.85	+17 23.5	1.721	2.558	14.2	21.4

359260 2009 FQ_{43} 11 13.9 277°.95 2°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 56.59	+19 48.1	2.010	2.795	15.0	21.5
10 18	3 49.59	+20 58.7	1.894	2.770	11.9	21.2
10 28	3 39.48	+22 8.3	1.802	2.743	8.2	20.9
11 7	3 26.78	+23 13.9	1.738	2.717	4.1	20.6
11 17	3 12.47	+24 12.0	1.705	2.690	2.4	20.5
11 27	2 57.99	+25 0.9	1.705	2.663	6.4	20.7
12 7	2 44.83	+25 41.6	1.734	2.635	10.7	20.9
12 17	2 34.20	+26 17.1	1.790	2.607	14.6	21.1

261445 2005 VA_{27} 11 13.9 72°.92 0°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.33	+21 21.8	2.016	2.825	14.1	21.3
10 18	3 38.60	+21 11.4	1.943	2.833	10.9	21.1
10 28	3 31.67	+20 51.9	1.892	2.842	7.2	20.9
11 7	3 23.23	+20 24.4	1.868	2.851	3.1	20.6
11 17	3 14.21	+19 51.3	1.873	2.860	1.3	20.5
11 27	3 5.68	+19 16.5	1.906	2.869	5.3	20.8
12 7	2 58.58	+18 44.5	1.968	2.878	9.1	21.1
12 17	2 53.55	+18 19.1	2.054	2.887	12.4	21.3

244461 2002 RU_{173} 11 13.9 21°.04 4°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 39.01	+ 7 58.3	2.311	3.136	12.0	20.1
10 18	3 34.93	+ 6 53.8	2.238	3.137	9.3	19.9
10 28	3 29.12	+ 5 48.4	2.189	3.138	6.5	19.8
11 7	3 22.14	+ 4 46.7	2.168	3.138	4.4	19.7
11 17	3 14.71	+ 3 53.5	2.175	3.139	4.8	19.7
11 27	3 7.63	+ 3 13.0	2.212	3.140	7.3	19.8
12 7	3 1.63	+ 2 47.9	2.275	3.141	10.1	20.0
12 17	2 57.27	+ 2 39.0	2.361	3.142	12.6	20.2

227180 2005 QU_{49} 11 13.9 33°.51 1°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.84	+15 36.9	1.139	1.990	20.0	19.5
10 18	3 41.75	+15 37.1	1.089	2.004	15.4	19.2
10 28	3 34.24	+15 31.4	1.058	2.019	10.0	19.0
11 7	3 24.39	+15 22.0	1.050	2.035	4.1	18.7
11 17	3 13.73	+15 12.5	1.066	2.052	2.6	18.7
11 27	3 4.03	+15 7.4	1.107	2.070	8.1	19.1
12 7	2 56.70	+15 10.7	1.171	2.089	13.2	19.4
12 17	2 52.57	+15 25.0	1.257	2.108	17.4	19.7

77042 2001 CK_{41} 11 13.9 147°.62 2°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 47.25	+ 8 59.6	2.336	3.143	12.5	19.8
10 18	3 41.14	+ 8 48.5	2.263	3.154	9.6	19.6
10 28	3 33.11	+ 8 37.9	2.215	3.163	6.4	19.4
11 7	3 23.79	+ 8 30.3	2.195	3.172	3.6	19.3
11 17	3 13.98	+ 8 27.9	2.205	3.181	3.5	19.3
11 27	3 4.59	+ 8 32.9	2.245	3.188	6.2	19.5
12 7	2 56.44	+ 8 46.7	2.315	3.195	9.3	19.7
12 17	2 50.12	+ 9 9.9	2.409	3.202	12.0	19.9

405341 2003 UP_{336} 11 13.9 93°.83 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.72	+19 41.5	2.362	3.166	12.4	22.0
10 18	3 37.75	+19 28.8	2.291	3.180	9.5	21.8
10 28	3 30.93	+19 9.2	2.244	3.194	6.2	21.7
11 7	3 22.89	+18 44.1	2.225	3.208	2.6	21.4
11 17	3 14.39	+18 15.7	2.235	3.222	1.1	21.4
11 27	3 6.34	+17 47.3	2.275	3.235	4.8	21.6
12 7	2 59.49	+17 22.1	2.344	3.249	8.1	21.9
12 17	2 54.42	+17 3.1	2.438	3.262	11.0	22.1

447565 2006 TJ_{19} 11 13.9 37°.97 0°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.20	+19 55.1	1.727	2.551	15.5	21.1
10 18	3 38.04	+19 23.5	1.657	2.557	11.9	20.9
10 28	3 31.44	+18 41.6	1.610	2.564	7.8	20.6
11 7	3 23.17	+17 52.1	1.587	2.572	3.2	20.4
11 17	3 14.27	+16 59.1	1.592	2.579	1.6	20.3
11 27	3 5.93	+16 8.1	1.625	2.587	6.2	20.6
12 7	2 59.19	+15 24.6	1.685	2.595	10.4	20.9
12 17	2 54.75	+14 52.9	1.769	2.604	13.9	21.1

458487 2011 BX_{145} 11 13.9 228°.44 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.61	+19 42.3	2.508	3.311	11.8	22.5
10 18	3 36.96	+19 29.1	2.417	3.306	9.1	22.3
10 28	3 30.49	+19 9.2	2.351	3.301	6.0	22.1
11 7	3 22.74	+18 43.7	2.312	3.296	2.5	21.9
11 17	3 14.44	+18 14.5	2.303	3.290	1.1	21.8
11 27	3 6.42	+17 44.8	2.324	3.284	4.7	22.0
12 7	2 59.47	+17 18.0	2.374	3.279	8.0	22.2
12 17	2 54.19	+16 57.1	2.450	3.273	10.9	22.4

205419 2001 FS_{154} 11 13.9 227°.17 5°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.13	+ 7 28.6	2.014	2.840	13.5	20.8
10 18	3 37.63	+ 6 12.5	1.935	2.834	10.5	20.6
10 28	3 31.04	+ 4 54.7	1.880	2.827	7.4	20.4
11 7	3 23.00	+ 3 41.0	1.852	2.820	5.2	20.2
11 17	3 14.33	+ 2 37.5	1.852	2.813	5.8	20.2
11 27	3 6.05	+ 1 49.6	1.881	2.806	8.6	20.4
12 7	2 59.04	+ 1 20.8	1.935	2.798	11.7	20.6
12 17	2 53.97	+ 1 11.9	2.013	2.790	14.6	20.8

133225 2003 QS_{88} 11 13.9 51°.43 3°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.40	+25 50.8	2.253	3.038	13.6	19.3
10 18	3 40.98	+26 31.4	2.171	3.042	10.8	19.1
10 28	3 33.28	+27 3.1	2.112	3.047	7.6	18.9
11 7	3 23.96	+27 24.1	2.080	3.052	4.4	18.7
11 17	3 13.89	+27 33.9	2.077	3.057	3.0	18.6
11 27	3 4.16	+27 33.8	2.103	3.061	5.3	18.8
12 7	2 55.77	+27 27.3	2.158	3.066	8.5	19.0
12 17	2 49.44	+27 18.4	2.239	3.072	11.5	19.2

110382 2001 SJ_{348} 11 13.9 251°.10 4°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.26	+31 50.4	2.092	2.864	14.9	19.9
10 18	3 40.43	+32 6.8	2.001	2.858	12.2	19.7
10 28	3 33.09	+32 8.1	1.931	2.853	9.1	19.5
11 7	3 23.92	+31 52.1	1.886	2.847	6.0	19.3
11 17	3 13.91	+31 18.9	1.869	2.841	4.4	19.2
11 27	3 4.28	+30 31.5	1.880	2.835	6.1	19.3
12 7	2 56.16	+29 35.7	1.918	2.829	9.3	19.5
12 17	2 50.34	+28 38.2	1.982	2.823	12.4	19.7

217399 2005 GV_{112} 11 13.9 86°.20 1°.7/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.50	+24 35.9	1.483	2.294	18.2	20.9
10 18	3 43.92	+24 21.2	1.426	2.316	14.2	20.7
10 28	3 35.33	+23 51.5	1.389	2.337	9.5	20.5
11 7	3 24.77	+23 7.4	1.377	2.358	4.5	20.3
11 17	3 13.60	+22 12.7	1.392	2.378	2.1	20.1
11 27	3 3.36	+21 14.0	1.434	2.399	6.5	20.5
12 7	2 55.27	+20 18.6	1.504	2.418	11.0	20.8
12 17	2 50.05	+19 33.0	1.596	2.438	14.8	21.1

395842 2012 XN_{110} 11 13.9 344°.61 8°.0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.11	+ 1 8.4	1.467	2.306	16.9	20.0
10 18	3 39.08	+ 0 15.5	1.401	2.302	13.6	19.8
10 28	3 32.31	− 0 30.3	1.356	2.297	10.4	19.6
11 7	3 23.60	− 1 1.8	1.334	2.293	8.2	19.5
11 17	3 14.08	− 1 12.6	1.337	2.290	8.7	19.5
11 27	3 5.09	− 0 58.8	1.366	2.287	11.5	19.7
12 7	2 57.81	− 0 20.4	1.417	2.285	14.9	19.9
12 17	2 53.08	+ 0 39.9	1.489	2.283	18.1	20.1

6746 Zagar 11 13.9 89°.23 3°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.55	+30 26.5	1.825	2.609	16.3	17.0
10 18	3 41.30	+30 0.5	1.757	2.626	13.0	16.8
10 28	3 33.48	+29 15.9	1.710	2.643	9.2	16.6
11 7	3 23.98	+28 13.3	1.688	2.659	5.3	16.4
11 17	3 13.96	+26 55.7	1.694	2.676	3.2	16.3
11 27	3 4.70	+25 29.7	1.730	2.692	5.8	16.5
12 7	2 57.25	+24 3.5	1.793	2.708	9.5	16.8
12 17	2 52.27	+22 44.6	1.882	2.724	12.9	17.0

38588 1999 XV_{91} 11 13.9 262°.10 2°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.16	+16 16.6	1.532	2.365	16.7	18.9
10 18	3 39.94	+15 24.6	1.454	2.360	12.8	18.6
10 28	3 32.91	+14 22.8	1.398	2.355	8.4	18.4
11 7	3 23.88	+13 15.5	1.366	2.350	3.7	18.1
11 17	3 13.98	+12 9.0	1.362	2.345	3.3	18.0
11 27	3 4.60	+11 10.4	1.384	2.340	7.9	18.3
12 7	2 56.98	+10 25.9	1.433	2.334	12.5	18.6
12 17	2 51.95	+ 9 59.4	1.503	2.329	16.4	18.8

67633 2000 SA_{209} 11 13.9 115°.74 3°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.04	+10 45.5	1.413	2.249	17.7	19.4
10 18	3 42.95	+10 15.6	1.348	2.255	13.7	19.2
10 28	3 34.86	+ 9 43.8	1.304	2.260	9.1	19.0
11 7	3 24.67	+ 9 14.7	1.285	2.265	4.9	18.7
11 17	3 13.64	+ 8 53.1	1.291	2.270	4.7	18.7
11 27	3 3.30	+ 8 43.7	1.325	2.275	8.8	19.0
12 7	2 54.93	+ 8 49.4	1.383	2.279	13.2	19.3
12 17	2 49.39	+ 9 10.9	1.463	2.284	17.1	19.5

435534 2008 LA_{17} 11 13.9 137°.76 4°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.68	+ 7 45.0	1.698	2.525	15.6	21.9
10 18	3 41.37	+ 7 0.9	1.633	2.532	12.1	21.7
10 28	3 33.57	+ 6 17.3	1.589	2.539	8.3	21.5
11 7	3 24.07	+ 5 39.3	1.572	2.546	5.3	21.3
11 17	3 13.93	+ 5 11.7	1.582	2.552	5.5	21.4
11 27	3 4.38	+ 4 58.9	1.620	2.558	8.7	21.6
12 7	2 56.47	+ 5 2.8	1.684	2.563	12.3	21.8
12 17	2 50.92	+ 5 23.5	1.770	2.568	15.5	22.0

137253 1999 RO_{86} 11 13.9 123°.21 1°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.57	+16 57.9	1.823	2.632	15.4	20.4
10 18	3 44.13	+16 36.8	1.760	2.652	11.8	20.2
10 28	3 35.23	+16 9.0	1.720	2.672	7.6	20.0
11 7	3 24.71	+15 36.8	1.707	2.691	3.1	19.7
11 17	3 13.67	+15 3.3	1.723	2.709	2.0	19.7
11 27	3 3.33	+14 33.1	1.769	2.726	6.3	20.0
12 7	2 54.72	+14 10.2	1.842	2.742	10.3	20.3
12 17	2 48.52	+13 57.6	1.941	2.757	13.6	20.5

382016 2011 BH_{53} 11 13.9 0°.43 3°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.86	+26 12.3	1.419	2.234	18.7	21.1
10 18	3 42.53	+26 27.1	1.344	2.233	14.9	20.8
10 28	3 34.88	+26 26.4	1.288	2.233	10.4	20.6
11 7	3 24.78	+26 8.5	1.256	2.233	5.7	20.3
11 17	3 13.59	+25 34.5	1.249	2.233	3.4	20.2
11 27	3 3.01	+24 49.3	1.269	2.233	7.1	20.4
12 7	2 54.55	+24 0.8	1.314	2.234	11.8	20.7
12 17	2 49.18	+23 16.8	1.381	2.234	16.0	20.9

509440 2007 EC_{198} 11 13.9 280°.41 1°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.48	+22 46.8	1.612	2.428	16.7	21.9
10 18	3 41.20	+22 43.8	1.519	2.413	13.2	21.6
10 28	3 33.95	+22 28.4	1.447	2.397	9.0	21.3
11 7	3 24.42	+22 0.6	1.399	2.381	4.2	21.0
11 17	3 13.73	+21 22.3	1.378	2.365	1.9	20.8
11 27	3 3.37	+20 38.4	1.384	2.349	6.6	21.1
12 7	2 54.73	+19 55.3	1.417	2.332	11.5	21.3
12 17	2 48.80	+19 19.4	1.473	2.316	15.8	21.5

360715 2004 TC_{107} 11 13.9 34°.10 1°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.61	+16 16.6	1.678	2.510	15.5	20.5
10 18	3 37.53	+15 48.9	1.620	2.525	11.8	20.3
10 28	3 31.06	+15 14.8	1.583	2.540	7.6	20.1
11 7	3 23.02	+14 37.6	1.572	2.556	3.2	19.8
11 17	3 14.44	+14 1.2	1.588	2.573	2.4	19.8
11 27	3 6.48	+13 30.3	1.632	2.590	6.5	20.1
12 7	3 0.12	+13 9.0	1.701	2.608	10.5	20.4
12 17	2 56.02	+12 59.6	1.795	2.626	13.9	20.7

392590 2011 SH_{201} 11 13.9 111°.69 3°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.24	+28 17.9	1.957	2.740	15.4	21.5
10 18	3 42.62	+28 38.6	1.883	2.752	12.3	21.3
10 28	3 34.44	+28 46.0	1.831	2.763	8.8	21.1
11 7	3 24.46	+28 38.4	1.805	2.775	5.2	20.9
11 17	3 13.78	+28 16.4	1.807	2.786	3.5	20.8
11 27	3 3.65	+27 43.1	1.838	2.797	5.9	21.0
12 7	2 55.19	+27 4.2	1.896	2.807	9.3	21.3
12 17	2 49.15	+26 25.5	1.980	2.818	12.6	21.5

474297 2001 XD_{32} 11 13.9 35°.06 1°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.46	+24 9.6	1.223	2.059	19.8	20.7
10 18	3 39.87	+23 42.6	1.168	2.073	15.4	20.5
10 28	3 33.00	+22 57.9	1.133	2.087	10.3	20.2
11 7	3 23.91	+21 57.8	1.120	2.103	4.7	20.0
11 17	3 14.08	+20 47.8	1.132	2.119	1.9	19.8
11 27	3 5.19	+19 36.4	1.169	2.136	7.2	20.2
12 7	2 58.58	+18 32.7	1.231	2.154	12.2	20.6
12 17	2 55.01	+17 43.2	1.315	2.172	16.5	20.9

400696 2009 QH_{63} 11 13.9 14°.73 8°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.82	+41 39.0	1.534	2.293	19.9	19.6
10 18	3 38.82	+42 7.6	1.468	2.301	17.1	19.4
10 28	3 32.46	+42 8.4	1.420	2.310	14.0	19.3
11 7	3 23.74	+41 37.3	1.391	2.321	11.0	19.1
11 17	3 14.13	+40 33.7	1.386	2.333	9.1	19.1
11 27	3 5.37	+39 3.0	1.406	2.346	9.4	19.1
12 7	2 58.87	+37 15.7	1.450	2.361	11.7	19.3
12 17	2 55.46	+35 23.8	1.518	2.377	14.5	19.5

16555 Nagaomasami 11 13.9 53°.81 2°.8/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.65	+ 9 41.7	1.506	2.333	17.2	16.7
10 18	3 44.69	+10 2.8	1.448	2.349	13.3	16.5
10 28	3 35.85	+10 26.1	1.411	2.365	8.7	16.3
11 7	3 25.06	+10 53.1	1.400	2.381	4.2	16.1
11 17	3 13.56	+11 24.9	1.416	2.398	3.5	16.1
11 27	3 2.80	+12 2.7	1.460	2.415	7.6	16.4
12 7	2 54.01	+12 46.9	1.531	2.432	11.8	16.7
12 17	2 47.97	+13 37.7	1.625	2.450	15.5	16.9

426207 2012 KV_{33} 11 13.9 264°.24 3°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 46.29	+12 41.2	1.476	2.311	17.1	21.4
10 18	3 41.80	+12 8.9	1.394	2.300	13.3	21.1
10 28	3 34.30	+11 31.8	1.333	2.289	8.8	20.8
11 7	3 24.55	+10 53.9	1.296	2.278	4.4	20.5
11 17	3 13.73	+10 20.2	1.286	2.267	4.1	20.5
11 27	3 3.33	+ 9 56.5	1.302	2.255	8.6	20.7
12 7	2 54.73	+ 9 47.1	1.344	2.244	13.3	21.0
12 17	2 48.89	+ 9 54.3	1.407	2.232	17.4	21.2

396440 2014 EY_{49} 11 13.9 233°.41 2°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.47	+24 1.2	1.966	2.762	14.9	20.6
10 18	3 42.18	+24 21.6	1.875	2.755	11.8	20.4
10 28	3 34.30	+24 32.3	1.806	2.748	8.1	20.1
11 7	3 24.50	+24 32.2	1.763	2.740	4.2	19.9
11 17	3 13.76	+24 21.6	1.748	2.733	2.4	19.8
11 27	3 3.34	+24 3.0	1.763	2.725	5.8	20.0
12 7	2 54.41	+23 40.9	1.805	2.716	9.7	20.2
12 17	2 47.83	+23 20.3	1.872	2.708	13.3	20.4

189809 2002 LO_{19} 11 13.9 204°.17 1°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.13	+26 16.0	2.734	3.514	11.6	20.4
10 18	3 37.27	+25 53.1	2.639	3.510	9.1	20.2
10 28	3 30.65	+25 19.2	2.568	3.506	6.3	20.1
11 7	3 22.84	+24 35.1	2.524	3.501	3.2	19.9
11 17	3 14.53	+23 42.8	2.511	3.496	1.7	19.7
11 27	3 6.54	+22 45.6	2.529	3.490	4.3	19.9
12 7	2 59.61	+21 48.0	2.576	3.485	7.3	20.1
12 17	2 54.31	+20 54.4	2.651	3.478	10.1	20.3

134332 3323 $T\text{-}_3$ 11 13.9 48°.51 1°.2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.78	+20 12.8	1.102	1.943	21.2	19.2
10 18	3 45.01	+20 34.3	1.053	1.961	16.5	19.0
10 28	3 36.50	+20 44.7	1.023	1.979	10.9	18.7
11 7	3 25.40	+20 43.8	1.014	1.998	4.8	18.4
11 17	3 13.44	+20 33.5	1.031	2.018	2.0	18.3
11 27	3 2.57	+20 18.7	1.072	2.038	7.8	18.7
12 7	2 54.37	+20 5.9	1.137	2.059	13.1	19.1
12 17	2 49.67	+20 0.3	1.223	2.079	17.5	19.4

317233 2002 CB_{186} 11 13.9 250°.72 3°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.01	+25 52.7	1.507	2.315	18.1	21.5
10 18	3 44.23	+26 11.5	1.420	2.305	14.5	21.2
10 28	3 36.09	+26 16.3	1.352	2.295	10.2	20.9
11 7	3 25.37	+26 4.9	1.309	2.285	5.6	20.6
11 17	3 13.37	+25 37.3	1.291	2.275	3.3	20.5
11 27	3 1.78	+24 57.5	1.301	2.264	7.1	20.7
12 7	2 52.19	+24 13.0	1.336	2.253	11.9	20.9
12 17	2 45.68	+23 31.4	1.395	2.242	16.3	21.2

378179 2006 WL_{182} 11 13.9 322°.77 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.74	+19 53.4	1.244	2.090	19.0	20.9
10 18	3 38.96	+19 32.8	1.163	2.075	14.9	20.6
10 28	3 32.80	+18 58.7	1.100	2.059	9.8	20.3
11 7	3 24.04	+18 13.2	1.059	2.045	4.1	20.0
11 17	3 13.97	+17 20.6	1.043	2.031	2.0	19.8
11 27	3 4.34	+16 28.5	1.053	2.018	8.0	20.1
12 7	2 56.75	+15 44.9	1.085	2.006	13.6	20.4
12 17	2 52.31	+15 16.2	1.138	1.994	18.5	20.6

49039 1998 *RH* 11 13.9 216°.17 4°.2/11.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 46.45	+ 9 22.7	1.642	2.471	15.9	18.3
10 18	3 41.46	+ 8 48.6	1.566	2.469	12.3	18.1
10 28	3 33.82	+ 8 13.6	1.513	2.465	8.4	17.8
11 7	3 24.28	+ 7 42.1	1.484	2.462	4.8	17.6
11 17	3 13.91	+ 7 18.8	1.483	2.458	4.9	17.6
11 27	3 4.02	+ 7 8.1	1.510	2.454	8.5	17.8
12 7	2 55.77	+ 7 12.7	1.562	2.450	12.5	18.1
12 17	2 50.00	+ 7 33.2	1.636	2.446	16.1	18.3

296886 2010 AF_{79} 11 13.9 287°.81 4°.6/16.4 18 R

10 8	3 46.58	+29 59.3	1.636	2.430	17.5	20.5
10 18	3 42.15	+30 21.4	1.550	2.423	14.2	20.3
10 28	3 34.60	+30 26.9	1.484	2.416	10.4	20.0
11 7	3 24.71	+30 13.1	1.441	2.409	6.6	19.8
11 17	3 13.70	+29 39.6	1.424	2.402	4.6	19.7
11 27	3 3.15	+28 50.2	1.435	2.395	7.1	19.8
12 7	2 54.49	+27 52.5	1.472	2.388	11.1	20.0
12 17	2 48.70	+26 54.8	1.532	2.382	14.9	20.2

9275 Persson 11 13.9 55°.52 4°.1/16.5 18

10 8	3 45.11	+30 13.8	2.125	2.901	14.5	18.3
10 18	3 40.17	+30 41.1	2.047	2.908	11.8	18.1
10 28	3 32.85	+30 55.1	1.990	2.916	8.6	17.9
11 7	3 23.84	+30 54.0	1.959	2.923	5.6	17.7
11 17	3 14.12	+30 37.8	1.956	2.930	4.1	17.7
11 27	3 4.85	+30 9.0	1.982	2.938	5.8	17.8
12 7	2 57.05	+29 32.7	2.035	2.945	8.8	18.0
12 17	2 51.47	+28 54.3	2.114	2.953	11.8	18.2

489953 2008 RH_{127} 11 13.9 115°.44 3°.9/16.7 17

10 8	3 44.30	+30 59.3	2.433	3.199	13.2	21.8
10 18	3 39.30	+31 21.9	2.347	3.202	10.7	21.7
10 28	3 32.18	+31 32.0	2.284	3.205	7.9	21.5
11 7	3 23.54	+31 28.2	2.247	3.207	5.2	21.3
11 17	3 14.25	+31 10.5	2.238	3.210	3.9	21.2
11 27	3 5.32	+30 41.0	2.258	3.212	5.4	21.3
12 7	2 57.65	+30 4.1	2.307	3.215	8.1	21.5
12 17	2 51.95	+29 24.8	2.382	3.217	10.8	21.7

33602 Varunmandi 11 13.9 150°.15 1°.5/13.2 18

10 8	3 47.44	+14 30.6	1.830	2.648	15.0	19.0
10 18	3 41.97	+14 24.6	1.755	2.652	11.5	18.7
10 28	3 34.03	+14 14.8	1.702	2.656	7.5	18.5
11 7	3 24.33	+14 3.2	1.676	2.660	3.3	18.3
11 17	3 13.91	+13 52.1	1.678	2.663	2.4	18.2
11 27	3 3.98	+13 44.9	1.710	2.666	6.5	18.5
12 7	2 55.61	+13 44.6	1.768	2.669	10.5	18.7
12 17	2 49.56	+13 53.2	1.851	2.672	14.0	19.0

113550 2002 TJ_{28} 11 13.9 41°.99 1°.8/13.1 18

10 8	3 45.31	+16 56.6	1.129	1.980	20.2	19.6
10 18	3 41.27	+16 23.4	1.083	1.998	15.4	19.3
10 28	3 33.87	+15 40.9	1.057	2.018	9.9	19.1
11 7	3 24.27	+14 53.6	1.052	2.038	4.2	18.8
11 17	3 14.00	+14 7.6	1.073	2.059	2.9	18.8
11 27	3 4.78	+13 30.0	1.119	2.080	8.3	19.2
12 7	2 57.94	+13 6.2	1.188	2.102	13.3	19.6
12 17	2 54.22	+12 59.0	1.277	2.125	17.5	19.9

16157 Toastmasters 11 13.9 68°.18 6°.1/10.5 18

10 8	3 43.57	+ 4 30.8	1.710	2.542	15.3	17.0
10 18	3 38.88	+ 3 31.6	1.656	2.555	12.0	16.9
10 28	3 31.89	+ 2 35.9	1.623	2.568	8.6	16.7
11 7	3 23.38	+ 1 49.9	1.616	2.581	6.3	16.6
11 17	3 14.37	+ 1 18.8	1.636	2.594	6.8	16.6
11 27	3 5.97	+ 1 6.6	1.682	2.607	9.4	16.8
12 7	2 59.13	+ 1 14.3	1.754	2.620	12.6	17.1
12 17	2 54.49	+ 1 41.0	1.847	2.633	15.4	17.3

364950 2008 GT_{33} 11 13.9 302°.40 0°.8/13.4 17

10 8	3 41.87	+18 0.7	1.832	2.655	14.7	21.9
10 18	3 37.96	+17 37.0	1.738	2.638	11.4	21.6
10 28	3 31.59	+17 5.0	1.666	2.621	7.5	21.3
11 7	3 23.39	+16 26.5	1.620	2.605	3.1	21.0
11 17	3 14.31	+15 45.0	1.601	2.588	1.9	20.9
11 27	3 5.51	+15 5.5	1.611	2.572	6.4	21.2
12 7	2 58.11	+14 32.9	1.648	2.555	10.7	21.4
12 17	2 52.93	+14 11.2	1.708	2.540	14.5	21.6

510989 2013 JX_3 11 13.9 153°.71 1°.7/12.9 18

10 8	3 45.70	+12 32.6	2.584	3.387	11.5	21.7
10 18	3 39.89	+12 30.2	2.505	3.394	8.8	21.5
10 28	3 32.31	+12 26.3	2.451	3.401	5.8	21.4
11 7	3 23.54	+12 22.4	2.426	3.408	2.7	21.2
11 17	3 14.28	+12 20.2	2.432	3.414	2.2	21.1
11 27	3 5.37	+12 21.8	2.468	3.420	5.2	21.4
12 7	2 57.55	+12 28.7	2.534	3.425	8.2	21.6
12 17	2 51.38	+12 42.4	2.627	3.430	10.9	21.8

30623 4226 *P–L* 11 13.9 283°.51 0°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.79	+21 36.1	1.591	2.412	16.7	19.2
10 18	3 40.65	+21 22.8	1.501	2.398	13.1	18.9
10 28	3 33.58	+20 57.4	1.431	2.384	8.8	18.7
11 7	3 24.29	+20 20.5	1.386	2.369	3.9	18.3
11 17	3 13.91	+19 35.1	1.367	2.355	1.6	18.1
11 27	3 3.89	+18 46.5	1.376	2.340	6.7	18.4
12 7	2 55.58	+18 1.5	1.412	2.326	11.6	18.7
12 17	2 49.96	+17 26.1	1.469	2.312	15.9	18.9

136481 2005 GV_{75} 11 13.9 33°.95 3°.0/15.1 18

10 8	3 47.96	+23 32.1	1.154	1.989	20.9	19.2
10 18	3 43.79	+24 8.7	1.097	1.999	16.5	19.0
10 28	3 35.87	+24 31.9	1.058	2.010	11.3	18.7
11 7	3 25.25	+24 39.4	1.041	2.021	5.8	18.5
11 17	3 13.53	+24 31.5	1.048	2.033	3.3	18.4
11 27	3 2.71	+24 12.8	1.080	2.046	7.7	18.7
12 7	2 54.44	+23 50.3	1.136	2.060	12.8	19.0
12 17	2 49.68	+23 31.5	1.212	2.074	17.3	19.3

100343 1995 SJ_{51} 11 13.9 90°.86 1°.2/14.5 16

10 8	3 50.63	+22 19.6	1.549	2.360	17.6	20.9
10 18	3 44.67	+22 15.2	1.492	2.383	13.6	20.7
10 28	3 35.81	+21 58.8	1.456	2.405	9.0	20.5
11 7	3 25.03	+21 31.2	1.446	2.428	4.1	20.3
11 17	3 13.66	+20 55.2	1.462	2.449	1.7	20.2
11 27	3 3.16	+20 16.0	1.508	2.471	6.4	20.5
12 7	2 54.73	+19 39.7	1.579	2.492	10.8	20.9
12 17	2 49.10	+19 11.5	1.675	2.512	14.5	21.1

283253 2011 EO_{78} 11 13.9 285°.37 1°.6/12.8 17

10 8	3 40.63	+14 42.9	2.372	3.188	12.0	20.6
10 18	3 36.35	+14 20.3	2.279	3.176	9.2	20.4
10 28	3 30.20	+13 53.6	2.211	3.165	6.0	20.2
11 7	3 22.72	+13 24.8	2.170	3.153	2.7	20.0
11 17	3 14.63	+12 56.8	2.158	3.142	2.2	19.9
11 27	3 6.80	+12 32.9	2.176	3.130	5.5	20.1
12 7	3 0.03	+12 16.0	2.222	3.119	8.9	20.3
12 17	2 54.94	+12 8.5	2.293	3.107	11.9	20.5

275614 2000 AS_{93} 11 13.9 266°.09 13°.5/ 4.9 18

10 8	3 47.80	−15 45.1	1.821	2.598	16.6	21.1
10 18	3 42.47	−17 16.5	1.747	2.575	15.0	20.9
10 28	3 34.52	−18 30.8	1.692	2.551	13.8	20.8
11 7	3 24.63	−19 18.1	1.660	2.526	13.5	20.7
11 17	3 13.80	−19 30.4	1.651	2.500	14.3	20.7
11 27	3 3.28	−19 3.8	1.664	2.474	15.9	20.7
12 7	2 54.26	−17 59.9	1.697	2.448	18.0	20.8
12 17	2 47.59	−16 23.6	1.748	2.421	20.1	20.9

132647 2002 LY_{48} 11 13.9 48°.58 1°.6/14.8 18

10 8	3 45.79	+23 13.7	1.491	2.312	17.7	19.0
10 18	3 41.18	+23 14.0	1.433	2.328	13.8	18.8
10 28	3 33.67	+23 1.5	1.395	2.345	9.2	18.6
11 7	3 24.21	+22 36.8	1.381	2.362	4.4	18.4
11 17	3 14.05	+22 2.4	1.393	2.380	2.0	18.2
11 27	3 4.68	+21 23.6	1.433	2.398	6.4	18.6
12 7	2 57.29	+20 46.7	1.498	2.416	10.8	18.9
12 17	2 52.64	+20 17.1	1.587	2.435	14.6	19.2

515631 2014 LM_{27} 11 13.9 201°.91 5°.0/10.0 18

10 8	3 43.11	+ 4 32.6	2.439	3.252	11.8	22.9
10 18	3 38.04	+ 3 30.6	2.358	3.247	9.3	22.7
10 28	3 31.18	+ 2 29.7	2.303	3.242	6.8	22.6
11 7	3 23.11	+ 1 34.7	2.275	3.236	5.1	22.5
11 17	3 14.52	+ 0 50.0	2.276	3.229	5.6	22.5
11 27	3 6.25	+ 0 19.6	2.307	3.222	7.8	22.6
12 7	2 59.04	+ 0 5.4	2.365	3.214	10.4	22.8
12 17	2 53.48	+ 0 7.9	2.447	3.205	12.8	22.9

172396 2003 BV_6 11 13.9 307°.30 7°.1/10.4 18

10 8	3 43.53	+ 1 0.4	1.756	2.584	15.1	19.7
10 18	3 39.15	+ 0 20.1	1.675	2.569	12.2	19.5
10 28	3 32.32	− 0 14.1	1.616	2.554	9.2	19.3
11 7	3 23.70	− 0 36.2	1.582	2.540	7.3	19.2
11 17	3 14.24	− 0 41.0	1.574	2.526	7.7	19.1
11 27	3 5.11	− 0 25.0	1.592	2.512	10.3	19.3
12 7	2 57.41	+ 0 12.3	1.635	2.498	13.5	19.4
12 17	2 51.92	+ 1 9.3	1.700	2.485	16.6	19.6

324230 2006 BH_{108} 11 13.9 119°.47 0°.6/13.5 18

10 8	3 42.39	+17 29.3	2.571	3.375	11.5	21.7
10 18	3 37.39	+17 12.0	2.497	3.387	8.8	21.5
10 28	3 30.69	+16 49.6	2.448	3.399	5.7	21.4
11 7	3 22.88	+16 23.6	2.427	3.410	2.3	21.2
11 17	3 14.64	+15 56.3	2.435	3.422	1.4	21.1
11 27	3 6.79	+15 30.7	2.475	3.433	4.7	21.3
12 7	3 0.02	+15 9.5	2.543	3.443	7.8	21.6
12 17	2 54.87	+14 55.3	2.638	3.454	10.5	21.8

7217 Dacke 11 13.9 74°.07 4°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.01	+33 31.6	2.347	3.105	13.9	16.5
10 18	3 39.84	+33 50.6	2.275	3.121	11.4	16.4
10 28	3 32.49	+33 54.8	2.225	3.137	8.6	16.2
11 7	3 23.67	+33 42.7	2.200	3.153	5.9	16.1
11 17	3 14.29	+33 14.5	2.203	3.169	4.5	16.0
11 27	3 5.42	+32 33.3	2.235	3.185	5.7	16.1
12 7	2 57.97	+31 44.0	2.295	3.201	8.2	16.3
12 17	2 52.59	+30 52.4	2.381	3.217	10.8	16.5

459349 2012 HE_{56} 11 13.9 186°.82 1°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.25	+15 2.0	2.561	3.374	11.3	21.3
10 18	3 35.80	+14 13.1	2.478	3.373	8.7	21.1
10 28	3 29.70	+13 19.1	2.420	3.373	5.6	20.9
11 7	3 22.48	+12 22.8	2.390	3.372	2.6	20.7
11 17	3 14.81	+11 28.0	2.390	3.371	2.4	20.7
11 27	3 7.47	+10 38.6	2.420	3.370	5.4	20.9
12 7	3 1.15	+ 9 58.2	2.479	3.369	8.4	21.1
12 17	2 56.38	+ 9 29.2	2.564	3.367	11.1	21.3

242259 2003 SS_{298} 11 13.9 189°.77 6°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.43	+36 29.4	2.128	2.872	15.5	20.4
10 18	3 43.80	+37 4.3	2.039	2.871	13.0	20.2
10 28	3 35.42	+37 22.0	1.971	2.870	10.2	20.0
11 7	3 25.01	+37 19.0	1.928	2.868	7.6	19.9
11 17	3 13.67	+36 53.8	1.911	2.867	6.2	19.8
11 27	3 2.77	+36 8.8	1.922	2.864	7.2	19.8
12 7	2 53.54	+35 9.9	1.961	2.862	9.7	20.0
12 17	2 46.85	+34 4.9	2.026	2.859	12.5	20.2

43948 1997 AU_{12} 11 13.9 313°.63 4°.9/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.37	+29 38.9	1.448	2.251	19.0	18.2
10 18	3 43.10	+30 4.4	1.369	2.247	15.4	18.0
10 28	3 35.40	+30 12.0	1.309	2.244	11.2	17.7
11 7	3 25.11	+29 58.8	1.271	2.240	7.0	17.5
11 17	3 13.62	+29 24.1	1.258	2.237	4.9	17.4
11 27	3 2.69	+28 32.6	1.272	2.233	7.6	17.5
12 7	2 53.91	+27 32.6	1.311	2.230	11.9	17.8
12 17	2 48.31	+26 33.7	1.373	2.228	16.0	18.0

514599 2003 SE_{70} 11 13.9 30°.75 2°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.41	+15 15.6	1.348	2.193	17.8	20.5
10 18	3 38.70	+14 35.9	1.292	2.205	13.6	20.3
10 28	3 32.11	+13 49.1	1.257	2.217	8.8	20.0
11 7	3 23.58	+13 0.0	1.245	2.230	4.0	19.8
11 17	3 14.37	+12 14.2	1.259	2.243	3.4	19.8
11 27	3 5.92	+11 37.9	1.300	2.257	7.9	20.1
12 7	2 59.41	+11 15.8	1.364	2.272	12.4	20.4
12 17	2 55.58	+11 10.1	1.450	2.288	16.3	20.7

277749 2006 DD_{111} 11 13.9 213°.49 8°.6/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 54.51	+45 38.9	2.699	3.366	14.2	21.4
10 18	3 47.86	+47 2.7	2.605	3.362	12.6	21.3
10 28	3 38.25	+48 10.6	2.532	3.358	10.9	21.1
11 7	3 26.30	+48 57.0	2.483	3.354	9.4	21.0
11 17	3 13.06	+49 17.8	2.459	3.349	8.6	21.0
11 27	2 59.93	+49 12.4	2.463	3.344	8.9	21.0
12 7	2 48.32	+48 44.4	2.493	3.339	10.0	21.0
12 17	2 39.28	+48 0.4	2.547	3.333	11.7	21.2

167152 2003 SM_{213} 11 13.9 7°.91 4°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.03	+24 16.4	1.341	2.163	19.2	19.1
10 18	3 43.75	+25 30.8	1.271	2.164	15.3	18.8
10 28	3 35.92	+26 36.0	1.221	2.166	10.9	18.6
11 7	3 25.38	+27 27.3	1.194	2.169	6.3	18.4
11 17	3 13.53	+28 1.6	1.192	2.173	4.4	18.3
11 27	3 2.21	+28 19.6	1.216	2.178	7.8	18.5
12 7	2 53.10	+28 26.0	1.265	2.184	12.2	18.7
12 17	2 47.29	+28 27.3	1.336	2.192	16.3	19.0

13228 1997 SJ_{25} 11 13.9 101°.78 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.52	+17 24.1	2.493	3.300	11.8	18.1
10 18	3 37.53	+17 8.5	2.423	3.314	9.0	17.9
10 28	3 30.81	+16 47.8	2.377	3.328	5.8	17.8
11 7	3 22.95	+16 23.6	2.358	3.342	2.4	17.5
11 17	3 14.68	+15 58.2	2.370	3.356	1.4	17.5
11 27	3 6.80	+15 34.5	2.412	3.370	4.7	17.8
12 7	3 0.06	+15 15.3	2.483	3.383	7.9	18.0
12 17	2 54.97	+15 3.0	2.579	3.397	10.6	18.2

473348 2015 TE_{197} 11 13.9 104°.41 4°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.30	+32 1.7	2.160	2.924	14.7	21.1
10 18	3 41.72	+32 14.2	2.087	2.940	11.9	21.0
10 28	3 33.78	+32 11.4	2.037	2.956	8.8	20.8
11 7	3 24.24	+31 51.9	2.011	2.971	5.8	20.6
11 17	3 14.11	+31 16.2	2.014	2.986	4.2	20.6
11 27	3 4.55	+30 28.0	2.046	3.001	5.8	20.7
12 7	2 56.57	+29 33.0	2.107	3.015	8.7	20.9
12 17	2 50.84	+28 37.5	2.193	3.029	11.5	21.1

517455 2014 OJ_{342} 11 13.9 85°.30 0°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 43.95	+19 37.5	2.129	2.937	13.5	21.9
10 18	3 38.99	+19 32.6	2.057	2.948	10.4	21.7
10 28	3 31.94	+19 20.6	2.007	2.958	6.8	21.5
11 7	3 23.47	+19 2.6	1.984	2.968	2.9	21.2
11 17	3 14.45	+18 40.5	1.991	2.978	1.2	21.1
11 27	3 5.87	+18 17.7	2.026	2.988	5.2	21.4
12 7	2 58.64	+17 57.7	2.090	2.998	8.8	21.7
12 17	2 53.38	+17 43.8	2.179	3.008	11.9	21.9

135545 2002 CU_{311} 11 13.9 125°.73 3°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.85	+29 18.4	1.711	2.494	17.3	20.8
10 18	3 45.68	+29 23.0	1.642	2.511	13.8	20.6
10 28	3 36.57	+29 10.7	1.594	2.526	9.8	20.4
11 7	3 25.44	+28 40.0	1.571	2.541	5.8	20.2
11 17	3 13.60	+27 52.3	1.575	2.555	3.7	20.1
11 27	3 2.53	+26 52.8	1.608	2.568	6.4	20.3
12 7	2 53.48	+25 49.4	1.668	2.581	10.3	20.5
12 17	2 47.26	+24 49.6	1.754	2.593	13.8	20.8

407023 2009 SG_{40} 11 13.9 346°.71 3°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.68	+26 56.6	2.066	2.857	14.5	21.4
10 18	3 39.97	+27 27.1	1.981	2.854	11.6	21.2
10 28	3 32.84	+27 46.7	1.917	2.852	8.2	21.0
11 7	3 23.94	+27 54.0	1.879	2.850	4.9	20.8
11 17	3 14.21	+27 48.6	1.869	2.848	3.3	20.7
11 27	3 4.82	+27 32.7	1.887	2.847	5.7	20.8
12 7	2 56.85	+27 10.5	1.933	2.846	9.1	21.0
12 17	2 51.08	+26 47.1	2.004	2.845	12.3	21.2

483080 2015 MH_{3} 11 13.9 137°.22 3°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.71	+25 58.6	1.936	2.724	15.4	21.6
10 18	3 43.85	+26 26.7	1.858	2.732	12.2	21.4
10 28	3 35.35	+26 43.6	1.803	2.740	8.6	21.2
11 7	3 24.97	+26 47.6	1.773	2.747	4.8	20.9
11 17	3 13.78	+26 38.6	1.772	2.754	3.0	20.9
11 27	3 3.08	+26 19.4	1.800	2.760	5.8	21.0
12 7	2 54.03	+25 54.8	1.856	2.767	9.5	21.3
12 17	2 47.44	+25 30.1	1.937	2.772	12.9	21.5

521521 2015 OW_{97} 11 13.9 13°.66 4°.1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.37	+ 9 47.9	1.618	2.456	15.7	21.1
10 18	3 38.31	+ 9 10.1	1.551	2.458	12.1	20.8
10 28	3 31.75	+ 8 31.1	1.506	2.461	8.2	20.6
11 7	3 23.45	+ 7 55.7	1.485	2.463	4.7	20.4
11 17	3 14.46	+ 7 28.6	1.491	2.467	4.8	20.4
11 27	3 5.99	+ 7 14.4	1.524	2.470	8.3	20.7
12 7	2 59.12	+ 7 15.6	1.583	2.475	12.1	20.9
12 17	2 54.57	+ 7 32.8	1.663	2.479	15.5	21.1

381361 2008 DH_{88} 11 13.9 202°.25 1°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.86	+16 24.3	1.735	2.551	15.7	21.7
10 18	3 43.37	+16 17.6	1.652	2.548	12.2	21.5
10 28	3 35.14	+16 4.9	1.592	2.545	8.0	21.2
11 7	3 24.92	+15 48.0	1.557	2.541	3.3	20.9
11 17	3 13.80	+15 29.2	1.550	2.537	2.0	20.8
11 27	3 3.11	+15 12.5	1.573	2.532	6.7	21.1
12 7	2 54.08	+15 1.9	1.622	2.526	11.1	21.4
12 17	2 47.56	+15 0.5	1.695	2.520	14.9	21.6

217248 2003 SG_{123} 11 13.9 25°.34 0°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.05	+20 4.6	1.988	2.803	14.1	19.9
10 18	3 37.75	+19 58.3	1.913	2.808	10.9	19.7
10 28	3 31.25	+19 44.1	1.861	2.813	7.1	19.5
11 7	3 23.23	+19 23.1	1.835	2.818	3.0	19.3
11 17	3 14.58	+18 57.5	1.836	2.824	1.3	19.2
11 27	3 6.38	+18 31.1	1.867	2.830	5.4	19.5
12 7	2 59.55	+18 7.9	1.925	2.836	9.2	19.7
12 17	2 54.77	+17 51.2	2.008	2.843	12.5	19.9

69034 2002 XE_{15} 11 13.9 91°.29 6°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 52.72	+36 33.2	1.607	2.368	19.1	19.4
10 18	3 46.73	+36 56.6	1.545	2.389	15.9	19.2
10 28	3 37.40	+36 56.8	1.503	2.410	12.2	19.0
11 7	3 25.82	+36 30.2	1.483	2.431	8.7	18.9
11 17	3 13.50	+35 37.0	1.489	2.452	6.8	18.8
11 27	3 2.16	+34 22.6	1.522	2.472	8.0	18.9
12 7	2 53.20	+32 57.0	1.582	2.491	11.0	19.2
12 17	2 47.42	+31 30.6	1.666	2.511	14.2	19.4

362933 2012 FP_{7} 11 13.9 46°.90 0°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.07	+18 4.8	2.008	2.826	13.8	21.2
10 18	3 37.68	+17 42.2	1.934	2.832	10.6	21.0
10 28	3 31.16	+17 12.5	1.884	2.838	6.9	20.8
11 7	3 23.18	+16 37.9	1.859	2.844	2.8	20.5
11 17	3 14.62	+16 1.4	1.863	2.850	1.6	20.4
11 27	3 6.52	+15 27.1	1.896	2.856	5.6	20.7
12 7	2 59.77	+14 59.2	1.957	2.863	9.4	21.0
12 17	2 55.02	+14 40.6	2.042	2.869	12.6	21.2

150888 2001 SD_{254} 11 13.9 68°.68 0°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.45	+20 10.2	1.452	2.275	17.9	20.2
10 18	3 43.16	+20 1.8	1.397	2.296	13.8	20.0
10 28	3 34.93	+19 42.9	1.364	2.317	9.0	19.8
11 7	3 24.76	+19 15.3	1.355	2.339	3.8	19.6
11 17	3 13.96	+18 42.2	1.372	2.360	1.6	19.5
11 27	3 4.04	+18 8.9	1.417	2.381	6.7	19.8
12 7	2 56.19	+17 40.9	1.489	2.402	11.2	20.2
12 17	2 51.14	+17 22.5	1.583	2.423	15.0	20.5

476743 2008 UX_{53} 11 13.9 350°.05 0°.9/13.5 16

10 8	3 37.29	+20 4.6	1.176	2.032	19.2	21.2
10 18	3 35.52	+19 20.7	1.104	2.022	14.9	20.9
10 28	3 30.51	+18 20.7	1.051	2.014	9.8	20.6
11 7	3 23.11	+17 8.7	1.021	2.007	4.0	20.2
11 17	3 14.63	+15 51.7	1.014	2.001	2.4	20.1
11 27	3 6.74	+14 39.2	1.032	1.997	8.2	20.4
12 7	3 0.90	+13 40.5	1.073	1.995	13.6	20.7
12 17	2 58.05	+13 1.3	1.134	1.994	18.3	21.0

362794 2011 WO_{141} 11 13.9 239°.08 1°.5/15.0 18

10 8	3 43.68	+25 0.6	2.100	2.896	14.0	20.4
10 18	3 39.05	+24 39.7	2.008	2.890	11.1	20.2
10 28	3 32.16	+24 6.1	1.939	2.883	7.5	20.0
11 7	3 23.65	+23 20.5	1.896	2.875	3.7	19.7
11 17	3 14.44	+22 25.3	1.882	2.868	1.7	19.6
11 27	3 5.60	+21 25.1	1.897	2.860	5.3	19.8
12 7	2 58.13	+20 25.8	1.941	2.852	9.1	20.0
12 17	2 52.74	+19 32.8	2.010	2.844	12.5	20.2

364534 2007 FD_{26} 11 13.9 145°.67 0°.7/13.4 18

10 8	3 42.25	+17 37.6	2.438	3.245	12.0	21.9
10 18	3 37.45	+17 13.3	2.359	3.251	9.2	21.7
10 28	3 30.85	+16 43.1	2.304	3.256	6.0	21.5
11 7	3 23.03	+16 8.9	2.276	3.260	2.5	21.3
11 17	3 14.73	+15 33.3	2.279	3.265	1.5	21.3
11 27	3 6.80	+14 59.8	2.312	3.269	5.0	21.5
12 7	2 59.99	+14 31.8	2.373	3.274	8.2	21.7
12 17	2 54.88	+14 11.8	2.460	3.277	11.1	21.9

229198 2004 TS_{357} 11 13.9 65°.63 0°.7/14.5 18

10 8	3 42.59	+21 59.3	2.123	2.929	13.6	20.7
10 18	3 38.03	+21 46.4	2.047	2.935	10.5	20.5
10 28	3 31.38	+21 24.1	1.993	2.942	7.0	20.3
11 7	3 23.29	+20 53.6	1.966	2.948	3.1	20.0
11 17	3 14.63	+20 17.3	1.968	2.955	1.3	19.9
11 27	3 6.41	+19 38.9	1.999	2.962	5.1	20.2
12 7	2 59.52	+19 2.9	2.058	2.969	8.7	20.4
12 17	2 54.60	+18 33.3	2.143	2.976	11.9	20.6

348302 2004 YY_{25} 11 13.9 331°.56 2°.4/15.2 18

10 8	3 41.99	+25 11.1	1.440	2.265	18.0	20.4
10 18	3 38.86	+25 9.4	1.356	2.253	14.3	20.1
10 28	3 32.61	+24 52.0	1.292	2.241	9.9	19.9
11 7	3 24.01	+24 18.4	1.251	2.231	5.1	19.6
11 17	3 14.28	+23 30.7	1.235	2.221	2.6	19.4
11 27	3 4.99	+22 34.7	1.245	2.211	6.9	19.6
12 7	2 57.59	+21 38.3	1.280	2.203	11.8	19.9
12 17	2 53.06	+20 49.3	1.337	2.195	16.2	20.1

356546 2011 SV_{176} 11 13.9 46°.40 2°.5/15.5 15

10 8	3 44.48	+26 31.7	1.711	2.516	16.4	21.6
10 18	3 40.07	+26 26.0	1.638	2.522	13.0	21.3
10 28	3 32.98	+26 5.5	1.585	2.528	9.0	21.1
11 7	3 24.02	+25 30.0	1.558	2.535	4.8	20.9
11 17	3 14.32	+24 41.9	1.557	2.542	2.6	20.8
11 27	3 5.21	+23 46.3	1.585	2.549	6.0	21.0
12 7	2 57.85	+22 50.1	1.639	2.556	10.1	21.3
12 17	2 52.99	+21 59.8	1.717	2.564	13.7	21.5

86912 2000 HN_{50} 11 13.9 76°.17 0°.8/13.6 18 R

10 8	3 48.64	+17 43.5	1.528	2.351	17.2	19.4
10 18	3 43.11	+17 28.2	1.474	2.373	13.1	19.2
10 28	3 34.82	+17 5.2	1.441	2.396	8.5	19.0
11 7	3 24.72	+16 36.6	1.433	2.418	3.5	18.7
11 17	3 14.06	+16 6.1	1.453	2.440	1.9	18.7
11 27	3 4.22	+15 38.5	1.501	2.461	6.7	19.0
12 7	2 56.35	+15 18.3	1.575	2.483	11.1	19.4
12 17	2 51.13	+15 8.8	1.672	2.504	14.7	19.6

278555 2008 FB_{123} 11 13.9 60°.56 2°.7/15.1 18

10 8	3 50.37	+23 35.3	1.340	2.160	19.4	20.7
10 18	3 45.14	+24 5.4	1.283	2.176	15.2	20.5
10 28	3 36.52	+24 22.9	1.245	2.193	10.3	20.2
11 7	3 25.54	+24 26.1	1.231	2.210	5.3	20.0
11 17	3 13.68	+24 15.7	1.242	2.227	2.9	19.9
11 27	3 2.70	+23 55.8	1.280	2.245	7.0	20.2
12 7	2 54.04	+23 32.9	1.344	2.262	11.7	20.5
12 17	2 48.57	+23 13.4	1.429	2.280	15.8	20.8

376093 2010 VA_{161} 11 13.9 97°.99 1°.0/14.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 53.28	+20 18.3	1.494	2.307	18.0	21.0
10 18	3 46.92	+20 35.3	1.436	2.327	14.0	20.8
10 28	3 37.45	+20 43.0	1.398	2.348	9.2	20.6
11 7	3 25.88	+20 41.3	1.385	2.367	4.1	20.3
11 17	3 13.57	+20 31.4	1.399	2.387	1.7	20.2
11 27	3 2.11	+20 17.2	1.443	2.405	6.6	20.6
12 7	2 52.82	+20 3.7	1.512	2.424	11.2	20.9
12 17	2 46.49	+19 55.7	1.605	2.441	15.1	21.2

38166 1999 JV_{84} 11 13.9 66°.76 2°.5/13.0 18

10 8	3 51.89	+13 37.7	1.238	2.075	19.6	18.0
10 18	3 45.92	+13 22.1	1.196	2.103	15.0	17.8
10 28	3 36.74	+13 2.6	1.174	2.131	9.7	17.6
11 7	3 25.51	+12 42.6	1.176	2.160	4.3	17.4
11 17	3 13.77	+12 26.2	1.204	2.188	3.4	17.4
11 27	3 3.16	+12 17.8	1.259	2.216	8.2	17.8
12 7	2 54.96	+12 20.7	1.338	2.244	12.8	18.1
12 17	2 49.86	+12 36.1	1.439	2.272	16.7	18.5

199625 2006 FH_{47} 11 13.9 356°.41 6°.0/ 9.7 18

10 8	3 39.66	+ 2 41.5	2.121	2.947	12.9	19.8
10 18	3 35.67	+ 1 38.5	2.052	2.946	10.3	19.7
10 28	3 29.79	+ 0 38.9	2.007	2.945	7.7	19.5
11 7	3 22.63	− 0 11.8	1.988	2.945	6.1	19.4
11 17	3 14.96	− 0 48.8	1.996	2.945	6.6	19.4
11 27	3 7.66	− 1 8.2	2.032	2.944	8.8	19.6
12 7	3 1.53	− 1 8.6	2.093	2.945	11.5	19.8
12 17	2 57.15	− 0 50.5	2.177	2.945	14.0	19.9

226440 2003 SZ_{47} 11 13.9 333°.23 1°.8/15.4 18

10 8	3 41.48	+26 16.2	2.204	2.998	13.5	20.1
10 18	3 37.25	+25 55.7	2.117	2.996	10.7	19.9
10 28	3 30.92	+25 22.4	2.053	2.994	7.3	19.7
11 7	3 23.13	+24 37.0	2.015	2.992	3.8	19.5
11 17	3 14.74	+23 41.8	2.005	2.990	1.9	19.3
11 27	3 6.75	+22 41.3	2.025	2.989	5.0	19.5
12 7	3 0.04	+21 40.9	2.073	2.987	8.5	19.7
12 17	2 55.28	+20 45.9	2.147	2.985	11.7	19.9

349746 2008 YG_{145} 11 13.9 10°.74 7°.9/11.3 18

10 8	3 33.31	+ 6 13.0	0.803	1.698	21.9	18.1
10 18	3 32.94	+ 5 19.5	0.769	1.705	17.2	17.9
10 28	3 28.92	+ 4 31.9	0.751	1.715	12.2	17.7
11 7	3 22.43	+ 4 0.0	0.752	1.729	8.4	17.5
11 17	3 15.09	+ 3 51.8	0.773	1.746	8.7	17.6
11 27	3 8.75	+ 4 11.3	0.814	1.765	12.5	17.9
12 7	3 4.82	+ 4 57.4	0.874	1.788	17.0	18.3
12 17	3 4.04	+ 6 5.2	0.952	1.813	20.9	18.6

270309 2001 WL_{70} 11 13.9 92°.42 0°.9/13.6 18

10 8	3 48.80	+16 25.8	1.622	2.442	16.5	20.7
10 18	3 43.26	+16 24.3	1.558	2.456	12.7	20.5
10 28	3 34.99	+16 17.2	1.516	2.470	8.2	20.2
11 7	3 24.86	+16 5.9	1.499	2.483	3.4	20.0
11 17	3 14.02	+15 53.0	1.510	2.496	1.9	19.9
11 27	3 3.85	+15 42.0	1.549	2.509	6.6	20.2
12 7	2 55.51	+15 36.8	1.615	2.522	10.9	20.5
12 17	2 49.76	+15 40.1	1.705	2.535	14.6	20.8

350041 2010 KN_{117} 11 13.9 98°.90 6°.1/11.2 18

10 8	3 46.64	+ 1 52.7	1.853	2.671	14.8	20.4
10 18	3 41.20	+ 1 25.6	1.788	2.678	11.7	20.2
10 28	3 33.47	+ 1 4.9	1.745	2.684	8.6	20.0
11 7	3 24.19	+ 0 55.3	1.729	2.690	6.4	19.9
11 17	3 14.31	+ 1 0.4	1.740	2.696	6.6	20.0
11 27	3 4.96	+ 1 22.5	1.779	2.702	9.1	20.1
12 7	2 57.09	+ 2 1.4	1.844	2.708	12.1	20.3
12 17	2 51.39	+ 2 55.4	1.931	2.714	15.0	20.5

340875 2007 BW_{101} 11 13.9 200°.26 1°.3/13.2 18

10 8	3 47.26	+15 51.8	2.039	2.849	13.9	21.8
10 18	3 41.73	+15 31.1	1.952	2.845	10.8	21.6
10 28	3 33.90	+15 4.6	1.889	2.841	7.0	21.4
11 7	3 24.42	+14 34.6	1.852	2.836	3.0	21.1
11 17	3 14.20	+14 4.0	1.845	2.830	2.2	21.0
11 27	3 4.35	+13 36.7	1.868	2.824	6.1	21.3
12 7	2 55.88	+13 16.6	1.919	2.817	10.0	21.5
12 17	2 49.54	+13 6.4	1.995	2.810	13.4	21.7

408528 2013 JP_{46} 11 13.9 352°.44 3°.0/11.8 18

10 8	3 39.55	+13 49.8	1.842	2.675	14.3	20.4
10 18	3 35.95	+12 46.5	1.766	2.672	10.9	20.2
10 28	3 30.15	+11 36.7	1.713	2.670	7.2	19.9
11 7	3 22.84	+10 25.3	1.686	2.668	3.7	19.7
11 17	3 14.90	+ 9 18.1	1.688	2.666	3.8	19.7
11 27	3 7.39	+ 8 21.1	1.717	2.665	7.3	19.9
12 7	3 1.26	+ 7 39.1	1.772	2.665	11.0	20.2
12 17	2 57.15	+ 7 14.5	1.851	2.664	14.3	20.4

21984 1999 XC_{12} 11 13.9 85°.81 4°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 45.47	+32 15.6	2.232	2.997	14.3	18.4
10 18	3 40.47	+32 41.1	2.150	3.001	11.7	18.3
10 28	3 33.11	+32 52.4	2.089	3.006	8.8	18.1
11 7	3 24.09	+32 47.6	2.053	3.010	5.9	17.9
11 17	3 14.34	+32 26.5	2.046	3.015	4.5	17.8
11 27	3 5.01	+31 51.6	2.067	3.019	5.9	17.9
12 7	2 57.12	+31 7.8	2.116	3.024	8.7	18.1
12 17	2 51.40	+30 21.2	2.190	3.028	11.5	18.3

141714 2002 LS_{12} 11 13.9 109°.91 3°.9/12.1 17

10 8	3 48.57	+10 29.7	1.539	2.368	16.8	19.8
10 18	3 43.07	+ 9 52.4	1.479	2.382	12.9	19.6
10 28	3 34.85	+ 9 13.5	1.441	2.395	8.6	19.4
11 7	3 24.78	+ 8 37.5	1.428	2.407	4.7	19.2
11 17	3 14.08	+ 8 9.5	1.443	2.420	4.7	19.2
11 27	3 4.09	+ 7 53.8	1.485	2.432	8.4	19.5
12 7	2 55.97	+ 7 53.3	1.552	2.443	12.4	19.7
12 17	2 50.44	+ 8 8.4	1.642	2.454	15.9	20.0

515321 2012 XB_{76} 11 13.9 14°.97 3°.2/12.3 18

10 8	3 43.50	+12 46.3	1.531	2.369	16.4	21.1
10 18	3 39.39	+12 8.7	1.462	2.370	12.7	20.8
10 28	3 32.59	+11 26.7	1.414	2.371	8.3	20.6
11 7	3 23.90	+10 44.6	1.391	2.373	4.2	20.4
11 17	3 14.44	+10 7.6	1.395	2.376	4.0	20.4
11 27	3 5.53	+ 9 41.1	1.426	2.378	8.0	20.6
12 7	2 58.35	+ 9 28.8	1.481	2.381	12.3	20.9
12 17	2 53.66	+ 9 32.4	1.559	2.385	16.0	21.1

444607 2006 UL_{270} 11 13.9 294°.53 0°.6/14.2 17

10 8	3 47.63	+18 14.9	1.916	2.726	14.7	20.9
10 18	3 42.55	+18 45.8	1.814	2.705	11.5	20.7
10 28	3 34.79	+19 13.0	1.734	2.684	7.7	20.4
11 7	3 24.94	+19 35.8	1.680	2.663	3.4	20.1
11 17	3 13.92	+19 54.1	1.654	2.642	1.4	19.9
11 27	3 3.01	+20 9.2	1.659	2.621	6.0	20.2
12 7	2 53.45	+20 23.6	1.690	2.600	10.4	20.4
12 17	2 46.21	+20 40.5	1.747	2.579	14.2	20.6

179160 2001 TZ_{55} 11 13.9 26°.48 1°.2/13.4 18

10 8	3 43.77	+15 49.4	1.707	2.535	15.5	19.9
10 18	3 39.37	+15 40.5	1.637	2.539	11.9	19.7
10 28	3 32.47	+15 26.5	1.589	2.545	7.7	19.5
11 7	3 23.83	+15 9.3	1.566	2.550	3.3	19.2
11 17	3 14.48	+14 51.9	1.570	2.556	2.1	19.2
11 27	3 5.63	+14 38.0	1.603	2.562	6.5	19.5
12 7	2 58.38	+14 31.2	1.661	2.569	10.6	19.7
12 17	2 53.45	+14 33.8	1.743	2.576	14.2	20.0

492374 2014 HZ_{95} 11 13.9 358°.91 1°.2/12.6 18

10 8	3 34.84	+12 34.0	4.193	5.000	7.4	21.3
10 18	3 31.15	+12 21.7	4.108	5.000	5.6	21.2
10 28	3 26.50	+12 8.1	4.049	5.000	3.7	21.1
11 7	3 21.20	+11 54.7	4.018	5.000	1.8	20.9
11 17	3 15.63	+11 42.7	4.019	5.000	1.6	20.9
11 27	3 10.22	+11 33.7	4.050	5.000	3.4	21.1
12 7	3 5.36	+11 28.8	4.111	5.000	5.4	21.2
12 17	3 1.38	+11 29.2	4.199	5.000	7.2	21.3

132974 2002 TP_{168} 11 13.9 199°.90 1°.5/15.4 17

10 8	3 41.41	+26 30.5	2.806	3.585	11.3	19.8
10 18	3 36.71	+26 0.5	2.712	3.583	8.9	19.6
10 28	3 30.35	+25 19.5	2.642	3.580	6.1	19.5
11 7	3 22.86	+24 28.4	2.600	3.577	3.1	19.3
11 17	3 14.91	+23 29.3	2.588	3.574	1.6	19.1
11 27	3 7.29	+22 25.8	2.608	3.570	4.1	19.3
12 7	3 0.69	+21 22.5	2.657	3.566	7.1	19.5
12 17	2 55.65	+20 23.7	2.734	3.562	9.8	19.7

363640 2004 RW_{199} 11 13.9 19°.95 4°.0/16.9 18

10 8	3 40.94	+31 52.6	1.640	2.437	17.3	18.9
10 18	3 37.51	+31 31.5	1.571	2.446	14.0	18.7
10 28	3 31.36	+30 49.2	1.522	2.455	10.1	18.5
11 7	3 23.36	+29 46.0	1.497	2.466	6.2	18.3
11 17	3 14.71	+28 24.9	1.498	2.477	4.0	18.2
11 27	3 6.76	+26 53.2	1.526	2.490	6.2	18.4
12 7	3 0.62	+25 19.8	1.581	2.503	10.0	18.6
12 17	2 57.02	+23 53.4	1.660	2.517	13.6	18.9

31146 1997 UV_{3} 11 13.9 14°.58 1°.1/14.4 18

10 8	3 43.07	+20 35.3	1.146	1.994	20.1	17.1
10 18	3 40.01	+20 47.0	1.087	1.998	15.7	16.8
10 28	3 33.45	+20 47.1	1.046	2.004	10.4	16.6
11 7	3 24.37	+20 36.2	1.027	2.011	4.6	16.3
11 17	3 14.26	+20 16.7	1.032	2.020	1.9	16.1
11 27	3 4.92	+19 54.0	1.062	2.029	7.6	16.5
12 7	2 57.89	+19 34.5	1.115	2.040	12.9	16.8
12 17	2 54.11	+19 23.6	1.188	2.052	17.4	17.1

112133 2002 JL_{52} 11 13.9 151°.32 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 50.95	+18 17.1	1.725	2.535	16.1	20.6
10 18	3 44.91	+18 20.2	1.651	2.543	12.5	20.4
10 28	3 36.12	+18 16.3	1.599	2.550	8.2	20.1
11 7	3 25.37	+18 6.1	1.573	2.557	3.4	19.9
11 17	3 13.82	+17 51.5	1.575	2.563	1.5	19.7
11 27	3 2.84	+17 36.1	1.607	2.568	6.3	20.1
12 7	2 53.63	+17 24.1	1.666	2.573	10.7	20.3
12 17	2 47.00	+17 19.0	1.749	2.577	14.4	20.6

412355 2013 LT_{15} 11 13.9 76°.30 5°.2/ 9.7 18

10 8	3 40.37	+ 5 26.7	2.230	3.054	12.4	21.5
10 18	3 35.98	+ 4 4.1	2.174	3.070	9.7	21.4
10 28	3 29.86	+ 2 43.0	2.143	3.085	7.0	21.2
11 7	3 22.63	+ 1 29.0	2.140	3.101	5.3	21.1
11 17	3 15.04	+ 0 27.4	2.165	3.117	5.9	21.2
11 27	3 7.92	− 0 17.6	2.219	3.133	8.1	21.4
12 7	3 1.96	− 0 44.0	2.298	3.148	10.6	21.6
12 17	2 57.69	− 0 51.8	2.401	3.164	12.9	21.8

159406 1999 KO 11 13.9 140°.70 5°.1/11.8 18

10 8	3 49.34	+ 4 22.0	1.857	2.672	14.9	20.5
10 18	3 43.30	+ 4 7.4	1.788	2.679	11.7	20.3
10 28	3 34.87	+ 3 57.5	1.742	2.685	8.3	20.1
11 7	3 24.80	+ 3 56.2	1.722	2.691	5.5	20.0
11 17	3 14.09	+ 4 6.5	1.731	2.697	5.6	20.0
11 27	3 3.89	+ 4 30.3	1.769	2.703	8.3	20.2
12 7	2 55.25	+ 5 8.1	1.833	2.708	11.7	20.4
12 17	2 48.86	+ 5 58.5	1.921	2.712	14.7	20.6

522259 2016 AG_{275} 11 13.9 356°.22 4°.4/10.7 17

10 8	3 38.61	+ 6 45.0	2.285	3.111	12.1	21.0
10 18	3 34.77	+ 5 52.1	2.211	3.110	9.4	20.8
10 28	3 29.18	+ 4 59.6	2.162	3.109	6.6	20.6
11 7	3 22.40	+ 4 11.9	2.139	3.108	4.6	20.5
11 17	3 15.13	+ 3 33.3	2.145	3.107	5.0	20.5
11 27	3 8.19	+ 3 7.6	2.179	3.107	7.3	20.7
12 7	3 2.33	+ 2 56.8	2.239	3.107	10.1	20.9
12 17	2 58.09	+ 3 1.4	2.323	3.108	12.7	21.0

188256 Stothoff 11 13.9 42°.63 2°.1/13.2 18

10 8	3 48.18	+13 15.3	1.300	2.140	18.7	19.4
10 18	3 43.36	+13 20.1	1.241	2.150	14.4	19.1
10 28	3 35.35	+13 22.3	1.203	2.161	9.4	18.9
11 7	3 25.09	+13 24.3	1.188	2.172	4.2	18.6
11 17	3 13.97	+13 28.7	1.199	2.184	3.0	18.6
11 27	3 3.63	+13 38.6	1.237	2.197	7.9	18.9
12 7	2 55.44	+13 56.7	1.299	2.209	12.7	19.2
12 17	2 50.26	+14 24.5	1.382	2.222	16.8	19.5

311734 2006 SJ_{403} 11 13.9 75°.46 0°.9/14.5 18

10 8	3 45.02	+21 25.6	1.922	2.731	14.7	21.0
10 18	3 40.15	+21 26.5	1.847	2.737	11.4	20.8
10 28	3 32.91	+21 18.5	1.795	2.744	7.6	20.6
11 7	3 24.01	+21 2.0	1.769	2.751	3.4	20.4
11 17	3 14.44	+20 39.0	1.771	2.758	1.4	20.2
11 27	3 5.35	+20 12.9	1.802	2.765	5.5	20.5
12 7	2 57.75	+19 48.3	1.860	2.772	9.4	20.8
12 17	2 52.38	+19 29.1	1.943	2.779	12.8	21.0

482089 2010 HM_{103} 11 13.9 138°.57 0°.2/13.9 18

10 8	3 47.76	+17 27.3	1.951	2.760	14.5	21.7
10 18	3 42.19	+17 36.0	1.874	2.766	11.2	21.5
10 28	3 34.23	+17 39.5	1.820	2.771	7.3	21.2
11 7	3 24.57	+17 38.4	1.792	2.776	3.1	21.0
11 17	3 14.19	+17 34.2	1.793	2.781	1.4	20.9
11 27	3 4.26	+17 29.6	1.824	2.785	5.7	21.2
12 7	2 55.82	+17 27.6	1.883	2.789	9.7	21.4
12 17	2 49.60	+17 31.1	1.967	2.793	13.1	21.7

250668 2005 NA_{73} 11 13.9 20°.72 7°.0/19.0 17

10 8	3 43.87	+38 6.5	1.638	2.405	18.6	19.9
10 18	3 40.11	+38 17.3	1.566	2.411	15.6	19.7
10 28	3 33.25	+38 3.5	1.512	2.418	12.2	19.5
11 7	3 24.23	+37 22.3	1.480	2.425	9.0	19.4
11 17	3 14.37	+36 14.0	1.473	2.434	7.1	19.3
11 27	3 5.26	+34 44.2	1.492	2.442	7.9	19.4
12 7	2 58.22	+33 2.8	1.537	2.452	10.8	19.6
12 17	2 54.05	+31 20.4	1.606	2.462	14.0	19.8

378572 2008 DY_{31} 11 13.9 150°.77 1°.7/13.1 16

10 8	3 48.42	+15 29.2	1.746	2.564	15.6	21.9
10 18	3 42.85	+15 6.4	1.674	2.571	12.0	21.7
10 28	3 34.71	+14 37.8	1.624	2.578	7.8	21.5
11 7	3 24.77	+14 6.0	1.600	2.584	3.4	21.2
11 17	3 14.13	+13 34.5	1.605	2.589	2.5	21.2
11 27	3 4.05	+13 7.9	1.638	2.594	6.8	21.4
12 7	2 55.65	+12 50.2	1.699	2.599	10.9	21.7
12 17	2 49.66	+12 44.0	1.783	2.603	14.5	21.9

188120 2002 AB_{208} 11 13.9 191°.76 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 41.96	+13 13.7	2.528	3.340	11.5	21.1
10 18	3 37.19	+12 36.0	2.444	3.339	8.8	21.0
10 28	3 30.70	+11 54.7	2.385	3.337	5.8	20.8
11 7	3 23.04	+11 12.6	2.354	3.335	2.9	20.6
11 17	3 14.89	+10 32.9	2.353	3.333	2.7	20.6
11 27	3 7.04	+ 9 59.2	2.382	3.330	5.6	20.7
12 7	3 0.24	+ 9 34.4	2.440	3.327	8.6	20.9
12 17	2 55.03	+ 9 20.4	2.522	3.323	11.3	21.1

447903 2007 XJ_{20} 11 13.9 244°.78 0°.7/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	4 3.19	+17 39.7	1.763	2.548	16.8	22.7
10 18	3 55.21	+17 32.3	1.641	2.518	13.3	22.4
10 28	3 43.57	+17 16.7	1.540	2.486	9.0	22.0
11 7	3 28.85	+16 52.6	1.468	2.450	3.8	21.6
11 17	3 12.24	+16 21.5	1.426	2.412	2.0	21.4
11 27	2 55.46	+15 47.5	1.416	2.372	7.7	21.7
12 7	2 40.34	+15 16.5	1.437	2.328	13.2	21.9
12 17	2 28.24	+14 54.8	1.483	2.282	18.0	22.1

110048 2001 ST_{91} 11 13.9 297°.93 0°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.17	+20 51.2	1.921	2.734	14.6	20.2
10 18	3 38.81	+20 32.9	1.837	2.731	11.3	20.0
10 28	3 32.10	+20 4.9	1.776	2.727	7.5	19.8
11 7	3 23.71	+19 28.4	1.740	2.724	3.2	19.5
11 17	3 14.60	+18 46.4	1.733	2.721	1.3	19.3
11 27	3 5.89	+18 3.4	1.755	2.717	5.7	19.6
12 7	2 58.61	+17 24.6	1.803	2.714	9.7	19.9
12 17	2 53.50	+16 54.1	1.877	2.711	13.3	20.1

487253 2014 PN_{30} 11 13.9 53°.79 6°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.17	+ 1 50.5	2.132	2.954	13.0	21.2
10 18	3 36.80	+ 0 52.7	2.065	2.956	10.4	21.0
10 28	3 30.53	− 0 0.7	2.022	2.958	7.8	20.8
11 7	3 22.99	− 0 44.4	2.006	2.960	6.2	20.8
11 17	3 14.95	− 1 14.0	2.016	2.963	6.7	20.8
11 27	3 7.30	− 1 25.8	2.055	2.965	8.8	20.9
12 7	3 0.85	− 1 18.9	2.118	2.967	11.4	21.1
12 17	2 56.17	− 0 54.1	2.205	2.970	13.9	21.3

49408 1998 XL_{50} 11 13.9 15°.38 1°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.91	+16 42.0	1.673	2.500	15.7	18.3
10 18	3 39.60	+16 32.3	1.600	2.502	12.1	18.0
10 28	3 32.71	+16 16.2	1.549	2.504	7.9	17.8
11 7	3 23.99	+15 55.9	1.522	2.507	3.3	17.5
11 17	3 14.51	+15 34.4	1.523	2.510	2.0	17.4
11 27	3 5.52	+15 15.6	1.552	2.513	6.5	17.8
12 7	2 58.14	+15 3.5	1.607	2.516	10.8	18.0
12 17	2 53.16	+15 1.2	1.685	2.520	14.5	18.3

372366 2009 JQ_{6} 11 13.9 55°.22 6°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 49.82	+ 5 29.9	1.153	2.000	20.1	20.0
10 18	3 44.46	+ 4 53.0	1.115	2.024	15.6	19.8
10 28	3 35.87	+ 4 21.7	1.097	2.049	10.9	19.6
11 7	3 25.23	+ 4 2.7	1.101	2.074	7.1	19.5
11 17	3 14.05	+ 4 0.8	1.129	2.099	7.2	19.6
11 27	3 4.01	+ 4 19.0	1.183	2.124	10.7	19.9
12 7	2 56.35	+ 4 56.7	1.260	2.150	14.7	20.2
12 17	2 51.78	+ 5 51.1	1.357	2.176	18.3	20.5

216882 2008 KE 11 13.9 48°.51 0°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.73	+19 46.7	1.996	2.810	14.1	20.4
10 18	3 38.30	+19 28.1	1.920	2.814	10.8	20.2
10 28	3 31.66	+19 1.1	1.866	2.818	7.1	20.0
11 7	3 23.50	+18 27.3	1.838	2.822	3.0	19.8
11 17	3 14.73	+17 49.7	1.839	2.826	1.3	19.7
11 27	3 6.40	+17 12.5	1.868	2.830	5.5	20.0
12 7	2 59.45	+16 40.0	1.926	2.835	9.3	20.2
12 17	2 54.55	+16 15.9	2.008	2.839	12.7	20.4

382154 2012 FV_{60} 11 13.9 74°.98 4°.8/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.46	+ 8 37.3	1.404	2.236	18.0	21.1
10 18	3 44.46	+ 7 58.9	1.361	2.264	13.8	20.9
10 28	3 35.67	+ 7 21.7	1.340	2.292	9.3	20.8
11 7	3 25.10	+ 6 50.9	1.343	2.320	5.5	20.6
11 17	3 14.10	+ 6 31.3	1.373	2.347	5.4	20.7
11 27	3 4.08	+ 6 26.7	1.430	2.374	9.0	21.0
12 7	2 56.16	+ 6 38.4	1.512	2.401	12.8	21.3
12 17	2 50.97	+ 7 5.7	1.616	2.427	16.2	21.5

411070 2009 VG_{65} 11 13.9 57°.40 0°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 45.26	+20 24.0	2.297	3.096	12.9	20.5
10 18	3 40.06	+20 45.6	2.213	3.098	10.0	20.3
10 28	3 32.76	+21 1.4	2.153	3.099	6.7	20.1
11 7	3 23.97	+21 11.0	2.120	3.101	3.1	19.9
11 17	3 14.52	+21 15.0	2.116	3.103	1.4	19.8
11 27	3 5.38	+21 15.2	2.143	3.105	4.9	20.0
12 7	2 57.46	+21 14.4	2.198	3.106	8.4	20.2
12 17	2 51.44	+21 15.6	2.279	3.108	11.4	20.5

324159 2005 YF_{199} 11 13.9 131°.68 3°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 44.00	+30 44.3	2.444	3.211	13.1	20.5
10 18	3 39.01	+30 39.4	2.361	3.218	10.6	20.4
10 28	3 32.00	+30 20.9	2.300	3.225	7.7	20.2
11 7	3 23.61	+29 48.3	2.266	3.231	4.8	20.0
11 17	3 14.69	+29 2.8	2.260	3.237	3.2	19.9
11 27	3 6.20	+28 7.8	2.285	3.243	4.9	20.1
12 7	2 59.00	+27 8.6	2.338	3.249	7.8	20.3
12 17	2 53.70	+26 10.5	2.418	3.254	10.6	20.5

231457 2007 JN_{31} 11 13.9 133°.41 1°.2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.98	+15 45.8	1.954	2.765	14.4	21.6
10 18	3 42.23	+15 32.8	1.883	2.776	11.1	21.4
10 28	3 34.17	+15 14.8	1.835	2.788	7.2	21.2
11 7	3 24.54	+14 53.8	1.815	2.798	3.0	20.9
11 17	3 14.32	+14 32.4	1.823	2.808	2.0	20.9
11 27	3 4.62	+14 14.1	1.861	2.818	6.0	21.2
12 7	2 56.43	+14 2.4	1.927	2.827	9.8	21.4
12 17	2 50.43	+13 59.6	2.018	2.836	13.1	21.7

202978 1999 TF_{165} 11 13.9 208°.93 7°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.20	+36 12.2	1.825	2.579	17.4	20.3
10 18	3 45.82	+37 19.5	1.742	2.578	14.7	20.1
10 28	3 37.18	+38 9.8	1.679	2.578	11.7	19.9
11 7	3 26.02	+38 37.7	1.640	2.578	8.9	19.7
11 17	3 13.62	+38 39.6	1.627	2.578	7.5	19.7
11 27	3 1.62	+38 16.6	1.640	2.578	8.6	19.7
12 7	2 51.56	+37 35.0	1.679	2.578	11.2	19.9
12 17	2 44.51	+36 43.3	1.742	2.577	14.1	20.1

120632 1996 GC_{10} 11 13.9 205°.25 2°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 40.50	+12 42.5	2.437	3.254	11.7	19.9
10 18	3 36.15	+11 49.5	2.355	3.252	9.0	19.7
10 28	3 30.07	+10 52.4	2.297	3.250	5.9	19.5
11 7	3 22.80	+ 9 54.9	2.268	3.248	3.1	19.4
11 17	3 15.06	+ 9 0.9	2.268	3.245	3.2	19.4
11 27	3 7.64	+ 8 14.7	2.298	3.243	6.0	19.5
12 7	3 1.27	+ 7 39.6	2.356	3.240	9.1	19.7
12 17	2 56.51	+ 7 17.5	2.439	3.237	11.8	19.9

58198 1992 EU_{2} 11 13.9 167°.94 1°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.89	+23 28.7	1.817	2.613	15.9	20.6
10 18	3 44.90	+23 30.6	1.737	2.618	12.5	20.4
10 28	3 36.15	+23 21.0	1.679	2.623	8.5	20.2
11 7	3 25.45	+22 59.7	1.646	2.626	4.1	20.0
11 17	3 13.91	+22 28.3	1.643	2.629	1.9	19.8
11 27	3 2.91	+21 50.9	1.669	2.631	6.0	20.1
12 7	2 53.65	+21 13.1	1.722	2.632	10.2	20.3
12 17	2 46.96	+20 40.5	1.801	2.633	13.9	20.6

484190 2006 VJ_{57} 11 13.9 3°.89 1°.2/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.24	+16 24.6	1.556	2.391	16.3	21.2
10 18	3 38.52	+16 13.3	1.484	2.391	12.6	21.0
10 28	3 32.11	+15 55.6	1.434	2.391	8.2	20.7
11 7	3 23.78	+15 33.8	1.407	2.392	3.5	20.5
11 17	3 14.64	+15 11.3	1.408	2.394	2.2	20.4
11 27	3 6.00	+14 52.5	1.435	2.396	6.9	20.7
12 7	2 59.04	+14 41.4	1.488	2.400	11.3	21.0
12 17	2 54.56	+14 41.0	1.563	2.404	15.2	21.2

104236 2000 EG_{132} 11 13.9 124°.27 5°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.02	+ 5 3.3	2.271	3.088	12.5	20.4
10 18	3 37.98	+ 3 45.1	2.212	3.103	9.8	20.2
10 28	3 31.18	+ 2 28.5	2.177	3.117	7.1	20.1
11 7	3 23.23	+ 1 18.8	2.171	3.131	5.4	20.0
11 17	3 14.91	+ 0 21.3	2.193	3.145	5.9	20.1
11 27	3 7.06	− 0 19.9	2.245	3.158	8.1	20.2
12 7	3 0.40	− 0 43.0	2.323	3.170	10.6	20.4
12 17	2 55.46	− 0 47.9	2.424	3.182	13.0	20.6

418525 2008 SH_{64} 11 13.9 110°.56 2°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.56	+26 20.1	2.613	3.393	12.0	21.4
10 18	3 38.47	+26 24.7	2.535	3.404	9.5	21.2
10 28	3 31.57	+26 19.6	2.480	3.416	6.6	21.0
11 7	3 23.43	+26 4.6	2.453	3.427	3.6	20.9
11 17	3 14.81	+25 40.7	2.456	3.438	2.2	20.8
11 27	3 6.57	+25 10.7	2.488	3.449	4.4	21.0
12 7	2 59.47	+24 38.2	2.550	3.460	7.3	21.2
12 17	2 54.09	+24 7.0	2.638	3.470	10.0	21.4

86774 2000 GH_{89} 11 13.9 133°.86 3°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.24	+11 48.8	1.857	2.676	14.7	20.0
10 18	3 41.70	+11 11.4	1.790	2.688	11.3	19.8
10 28	3 33.83	+10 31.2	1.746	2.699	7.5	19.6
11 7	3 24.40	+ 9 51.9	1.729	2.709	3.9	19.4
11 17	3 14.41	+ 9 17.8	1.741	2.719	3.8	19.4
11 27	3 4.98	+ 8 53.1	1.782	2.729	7.2	19.7
12 7	2 57.09	+ 8 40.9	1.849	2.738	10.8	19.9
12 17	2 51.42	+ 8 42.4	1.940	2.746	14.1	20.1

416535 2004 BD_{13} 11 13.9 179°.55 12°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 48.58	−17 6.3	2.149	2.907	15.0	21.4
10 18	3 42.45	−18 30.5	2.098	2.909	13.4	21.3
10 28	3 34.20	−19 36.7	2.068	2.911	12.3	21.2
11 7	3 24.54	−20 17.6	2.062	2.911	12.0	21.2
11 17	3 14.36	−20 28.0	2.080	2.911	12.5	21.3
11 27	3 4.70	−20 6.2	2.121	2.910	13.7	21.3
12 7	2 56.45	−19 14.1	2.184	2.908	15.2	21.5
12 17	2 50.23	−17 56.6	2.265	2.905	16.8	21.6

216828 2006 VO_{100} 11 13.9 342°.66 2°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.69	+13 4.8	1.752	2.582	15.0	20.3
10 18	3 38.56	+12 40.1	1.674	2.579	11.6	20.1
10 28	3 32.01	+12 11.6	1.619	2.575	7.6	19.8
11 7	3 23.73	+11 42.6	1.590	2.572	3.7	19.6
11 17	3 14.69	+11 17.0	1.587	2.569	3.3	19.6
11 27	3 6.07	+10 59.0	1.613	2.567	7.1	19.8
12 7	2 58.93	+10 52.0	1.665	2.565	11.1	20.0
12 17	2 54.02	+10 57.7	1.739	2.563	14.6	20.3

241394 2008 SN_{309} 11 13.9 124°.00 2°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 50.18	+ 9 44.4	1.940	2.752	14.5	20.4
10 18	3 43.89	+ 9 47.2	1.871	2.764	11.2	20.2
10 28	3 35.25	+ 9 50.8	1.825	2.775	7.4	20.0
11 7	3 25.01	+ 9 57.3	1.806	2.786	3.8	19.8
11 17	3 14.16	+10 8.5	1.817	2.797	3.4	19.8
11 27	3 3.82	+10 26.5	1.858	2.807	6.7	20.0
12 7	2 55.01	+10 52.3	1.926	2.817	10.4	20.2
12 17	2 48.43	+11 26.6	2.019	2.826	13.5	20.5

511707 2015 CP_{39} 11 13.9 293°.30 5°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.65	+10 10.3	1.399	2.242	17.4	21.2
10 18	3 40.56	+ 9 5.0	1.329	2.238	13.5	20.9
10 28	3 33.54	+ 7 55.6	1.280	2.235	9.2	20.7
11 7	3 24.42	+ 6 49.1	1.255	2.232	5.6	20.5
11 17	3 14.41	+ 5 52.9	1.256	2.229	6.0	20.5
11 27	3 4.97	+ 5 14.1	1.283	2.226	9.8	20.7
12 7	2 57.39	+ 4 57.0	1.334	2.224	14.1	21.0
12 17	2 52.51	+ 5 2.3	1.406	2.221	18.0	21.2

25649 2000 AC_{78} 11 13.9 252°.11 1°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 41.79	+24 26.2	2.346	3.142	12.8	18.5
10 18	3 37.39	+24 2.9	2.255	3.137	10.0	18.3
10 28	3 31.01	+23 28.6	2.188	3.132	6.8	18.1
11 7	3 23.26	+22 44.1	2.147	3.127	3.3	17.9
11 17	3 14.92	+21 51.8	2.135	3.122	1.4	17.7
11 27	3 6.93	+20 56.0	2.154	3.117	4.7	17.9
12 7	3 0.12	+20 1.3	2.201	3.112	8.2	18.2
12 17	2 55.12	+19 12.6	2.274	3.107	11.3	18.3

154769 2004 PM_{24} 11 13.9 146°.26 1°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.45	+16 49.6	1.928	2.739	14.6	20.9
10 18	3 41.91	+16 28.2	1.854	2.748	11.2	20.7
10 28	3 34.02	+16 0.4	1.804	2.756	7.3	20.5
11 7	3 24.52	+15 28.4	1.780	2.764	3.1	20.3
11 17	3 14.40	+14 55.3	1.785	2.771	2.0	20.2
11 27	3 4.79	+14 25.2	1.820	2.777	6.1	20.5
12 7	2 56.70	+14 2.1	1.882	2.783	10.0	20.7
12 17	2 50.83	+13 49.1	1.969	2.789	13.3	21.0

334947 2004 CB_{27} 11 13.9 35°.02 7°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.69	+31 30.1	0.871	1.705	26.1	18.7
10 18	3 47.27	+32 26.4	0.846	1.739	21.0	18.6
10 28	3 38.27	+32 53.8	0.836	1.775	15.4	18.4
11 7	3 26.32	+32 48.0	0.844	1.812	10.0	18.3
11 17	3 13.76	+32 10.5	0.874	1.850	7.3	18.3
11 27	3 3.02	+31 11.0	0.927	1.889	9.5	18.5
12 7	2 55.76	+30 3.3	1.001	1.929	13.7	18.9
12 17	2 52.63	+28 59.4	1.096	1.969	17.7	19.3

332764 2009 UQ_{86} 11 13.9 95°.24 2°.2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.08	+26 11.7	1.565	2.373	17.6	20.5
10 18	3 42.30	+25 54.4	1.495	2.381	13.9	20.3
10 28	3 34.57	+25 20.7	1.445	2.390	9.5	20.0
11 7	3 24.82	+24 30.8	1.419	2.398	4.8	19.8
11 17	3 14.29	+23 28.1	1.421	2.407	2.4	19.6
11 27	3 4.47	+22 19.1	1.450	2.415	6.3	19.9
12 7	2 56.61	+21 12.0	1.506	2.423	10.8	20.2
12 17	2 51.51	+20 13.7	1.585	2.431	14.7	20.5

67546 2000 SU_{38} 11 13.9 124°.11 3°.6/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 48.94	+11 39.5	1.517	2.346	17.0	20.1
10 18	3 43.49	+10 59.8	1.455	2.357	13.1	19.8
10 28	3 35.24	+10 17.0	1.414	2.368	8.7	19.6
11 7	3 25.06	+ 9 35.8	1.398	2.378	4.6	19.4
11 17	3 14.20	+ 9 1.1	1.409	2.388	4.4	19.4
11 27	3 4.03	+ 8 38.1	1.448	2.397	8.3	19.7
12 7	2 55.75	+ 8 30.1	1.512	2.406	12.5	19.9
12 17	2 50.14	+ 8 38.3	1.599	2.414	16.1	20.2

267932 2004 DR_{51} 11 13.9 267°.22 4°.6/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 49.57	+28 10.0	1.554	2.352	18.1	20.6
10 18	3 44.72	+28 50.2	1.471	2.348	14.7	20.3
10 28	3 36.54	+29 16.3	1.408	2.343	10.6	20.1
11 7	3 25.80	+29 24.9	1.369	2.339	6.6	19.8
11 17	3 13.81	+29 14.5	1.356	2.334	4.6	19.7
11 27	3 2.26	+28 47.7	1.369	2.329	7.3	19.9
12 7	2 52.71	+28 11.3	1.409	2.325	11.5	20.1
12 17	2 46.23	+27 33.2	1.472	2.320	15.5	20.3

492181 2013 QT_{40} 11 14.0 164°.44 7°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 51.51	+49 38.7	3.228	3.861	12.6	22.3
10 18	3 45.00	+50 25.5	3.140	3.866	11.2	22.2
10 28	3 36.08	+50 55.4	3.071	3.870	9.8	22.1
11 7	3 25.44	+51 4.5	3.025	3.874	8.6	22.0
11 17	3 14.03	+50 51.0	3.004	3.878	7.8	22.0
11 27	3 3.00	+50 15.4	3.010	3.881	7.8	22.0
12 7	2 53.40	+49 21.6	3.043	3.884	8.6	22.1
12 17	2 45.99	+48 15.2	3.101	3.887	9.8	22.1

219051 1995 WG_{26} 11 14.0 236°.12 2°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.15	+25 11.2	1.654	2.460	16.8	20.7
10 18	3 42.45	+25 5.8	1.568	2.454	13.4	20.5
10 28	3 34.82	+24 46.1	1.503	2.448	9.2	20.2
11 7	3 25.02	+24 11.6	1.463	2.442	4.7	20.0
11 17	3 14.23	+23 24.2	1.449	2.435	2.3	19.8
11 27	3 3.90	+22 29.2	1.464	2.428	6.4	20.0
12 7	2 55.35	+21 33.7	1.505	2.421	10.9	20.3
12 17	2 49.51	+20 44.7	1.571	2.414	14.9	20.5

394552 2007 UB_{78} 11 14.0 122°.96 0°.5/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.78	+19 54.5	1.979	2.789	14.3	21.8
10 18	3 39.80	+19 12.5	1.906	2.799	11.0	21.6
10 28	3 32.61	+18 20.6	1.857	2.809	7.1	21.4
11 7	3 23.94	+17 21.7	1.834	2.818	2.9	21.2
11 17	3 14.73	+16 19.9	1.841	2.828	1.6	21.1
11 27	3 6.07	+15 20.6	1.877	2.837	5.7	21.4
12 7	2 58.86	+14 29.1	1.941	2.845	9.6	21.6
12 17	2 53.75	+13 49.2	2.030	2.853	12.9	21.9

320226 2007 HP_{96} 11 14.0 177°.96 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 42.32	+19 9.4	2.660	3.460	11.3	21.7
10 18	3 37.48	+18 52.1	2.574	3.462	8.7	21.5
10 28	3 30.93	+18 28.5	2.513	3.462	5.7	21.4
11 7	3 23.22	+17 59.9	2.479	3.463	2.4	21.1
11 17	3 15.03	+17 28.6	2.476	3.463	1.1	21.0
11 27	3 7.13	+16 57.5	2.503	3.463	4.5	21.3
12 7	3 0.26	+16 29.8	2.560	3.463	7.6	21.5
12 17	2 54.96	+16 8.1	2.643	3.462	10.3	21.7

454827 2015 RJ_{145} 11 14.0 53°.44 3°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.80	+10 57.8	1.679	2.511	15.5	20.7
10 18	3 39.24	+10 18.1	1.622	2.526	11.8	20.5
10 28	3 32.32	+ 9 36.5	1.587	2.542	7.9	20.3
11 7	3 23.82	+ 8 57.6	1.578	2.558	4.3	20.1
11 17	3 14.80	+ 8 25.9	1.596	2.574	4.3	20.1
11 27	3 6.40	+ 8 5.7	1.642	2.590	7.7	20.4
12 7	2 59.61	+ 7 59.7	1.714	2.606	11.3	20.6
12 17	2 55.08	+ 8 8.5	1.808	2.623	14.6	20.9

119337 2001 SB_{146} 11 14.0 245°.75 1°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 47.13	+22 50.7	1.784	2.591	15.8	20.5
10 18	3 42.27	+22 47.1	1.692	2.580	12.4	20.2
10 28	3 34.65	+22 32.1	1.621	2.568	8.4	20.0
11 7	3 24.95	+22 5.7	1.575	2.556	4.0	19.7
11 17	3 14.26	+21 29.6	1.557	2.544	1.7	19.5
11 27	3 3.90	+20 48.3	1.568	2.532	6.1	19.8
12 7	2 55.14	+20 7.5	1.606	2.519	10.6	20.0
12 17	2 48.88	+19 32.9	1.668	2.506	14.5	20.2

217812 2001 AA_{32} 11 14.0 20°.49 5°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 43.98	+33 36.0	1.917	2.690	16.0	19.7
10 18	3 39.73	+33 48.2	1.837	2.693	13.2	19.5
10 28	3 32.86	+33 42.4	1.778	2.697	9.9	19.3
11 7	3 24.13	+33 16.8	1.743	2.701	6.8	19.2
11 17	3 14.64	+32 31.7	1.735	2.705	5.1	19.1
11 27	3 5.67	+31 31.3	1.754	2.710	6.5	19.2
12 7	2 58.37	+30 22.4	1.801	2.715	9.5	19.4
12 17	2 53.49	+29 12.6	1.872	2.720	12.7	19.6

481846 2008 WO_{112} 11 14.0 329°.91 0°.5/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 8	3 44.17	+17 42.4	1.494	2.327	17.0	21.1
10 18	3 40.31	+17 39.1	1.413	2.318	13.2	20.8
10 28	3 33.51	+17 28.4	1.353	2.310	8.7	20.6
11 7	3 24.51	+17 11.6	1.318	2.302	3.7	20.3
11 17	3 14.46	+16 51.5	1.308	2.295	1.8	20.1
11 27	3 4.83	+16 32.5	1.325	2.288	7.0	20.4
12 7	2 56.96	+16 19.5	1.368	2.282	11.9	20.7
12 17	2 51.80	+16 16.1	1.432	2.277	16.1	20.9