126947 2002 FP_3 11 16.9 283°.93 1°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 8	3 55.85	+16 0.7	2.138	2.927	14.1	20.0
10 18	3 52.12	+15 42.8	2.045	2.920	11.2	19.8
10 28	3 46.15	+15 20.2	1.975	2.914	7.8	19.6
11 7	3 38.45	+14 54.6	1.930	2.907	4.0	19.3
11 17	3 29.79	+14 28.5	1.914	2.900	1.5	19.1
11 27	3 21.16	+14 5.3	1.927	2.894	4.7	19.3
12 7	3 13.51	+13 48.3	1.968	2.887	8.5	19.6
12 17	3 7.60	+13 40.0	2.034	2.881	11.9	19.8

453740 2011 BD_{135} 11 16.9 203°.01 2°.1/15.6 17

10 8	3 55.53	+13 8.4	2.581	3.361	12.2	22.2
10 18	3 51.36	+12 48.1	2.489	3.359	9.6	22.0
10 28	3 45.34	+12 25.4	2.421	3.356	6.7	21.9
11 7	3 37.94	+12 2.3	2.379	3.354	3.7	21.7
11 17	3 29.80	+11 41.1	2.367	3.351	2.1	21.5
11 27	3 21.70	+11 24.5	2.386	3.347	4.5	21.7
12 7	3 14.42	+11 14.9	2.433	3.344	7.6	21.9
12 17	3 8.57	+11 13.8	2.508	3.340	10.4	22.1

197189 Raymond 11 16.9 331°.78 4°.2/14.2 18

10 8	3 52.79	+10 5.0	2.071	2.873	14.0	20.2
10 18	3 49.66	+ 9 8.2	1.986	2.867	11.2	20.0
10 28	3 44.41	+ 8 8.7	1.923	2.861	8.0	19.8
11 7	3 37.54	+ 7 10.8	1.886	2.855	5.1	19.6
11 17	3 29.81	+ 6 19.5	1.877	2.850	4.4	19.5
11 27	3 22.14	+ 5 39.5	1.896	2.845	6.7	19.7
12 7	3 15.45	+ 5 14.4	1.942	2.840	9.9	19.9
12 17	3 10.43	+ 5 5.7	2.012	2.836	12.9	20.0

300391 2007 RB_{216} 11 16.9 256°.50 2°.5/15.5 18

10 8	3 56.82	+15 25.0	1.960	2.753	15.0	21.3
10 18	3 53.14	+14 38.8	1.863	2.741	12.0	21.1
10 28	3 47.00	+13 45.5	1.788	2.728	8.4	20.8
11 7	3 38.95	+12 48.1	1.739	2.715	4.5	20.6
11 17	3 29.81	+11 51.0	1.718	2.702	2.6	20.4
11 27	3 20.67	+10 59.4	1.726	2.688	5.8	20.6
12 7	3 12.59	+10 18.4	1.761	2.674	9.8	20.8
12 17	3 6.43	+ 9 51.4	1.821	2.660	13.4	21.0

357091 2001 ST_{299} 11 16.9 62°.12 0°.4/16.8 17

10 8	3 57.10	+20 9.4	1.851	2.641	15.9	21.6
10 18	3 53.34	+19 47.0	1.776	2.650	12.6	21.4
10 28	3 47.06	+19 15.7	1.722	2.660	8.8	21.2
11 7	3 38.90	+18 37.4	1.693	2.670	4.5	21.0
11 17	3 29.81	+17 54.9	1.692	2.680	0.4	20.7
11 27	3 20.94	+17 12.6	1.719	2.691	4.6	21.0
12 7	3 13.34	+16 35.2	1.774	2.701	8.8	21.3
12 17	3 7.81	+16 6.7	1.855	2.711	12.4	21.5

217345 2004 RR_{195} 11 16.9 51°.49 4°.8/19.7 18

10 8	3 59.83	+32 3.1	2.065	2.809	15.9	19.7
10 18	3 55.68	+32 41.9	1.984	2.818	13.2	19.5
10 28	3 48.82	+33 7.7	1.924	2.828	10.2	19.3
11 7	3 39.87	+33 17.7	1.888	2.837	7.0	19.2
11 17	3 29.81	+33 10.4	1.878	2.847	4.9	19.1
11 27	3 19.86	+32 47.3	1.896	2.856	5.6	19.1
12 7	3 11.20	+32 12.7	1.943	2.866	8.3	19.3
12 17	3 4.72	+31 32.6	2.015	2.877	11.3	19.5

158311 2001 VL_8 11 17.0 346°.12 0°.2/17.1 18

10 18	3 52.48	+20 43.6	1.179	2.072	16.3	19.3
10 28	3 47.39	+20 28.0	1.117	2.063	11.5	19.0
11 7	3 39.44	+20 1.7	1.076	2.055	6.0	18.7
11 17	3 29.81	+19 27.2	1.059	2.048	0.2	18.2
11 27	3 20.19	+18 49.8	1.068	2.042	5.9	18.7
12 7	3 12.22	+18 16.3	1.100	2.038	11.5	19.0
12 17	3 7.13	+17 52.8	1.154	2.035	16.5	19.2
12 27	3 5.59	+17 43.2	1.226	2.032	20.5	19.5

503318 2016 AC_{131} 11 17.0 195°.23 9°.5/22.9 17

10 18	4 4.42	+43 11.5	1.207	2.020	21.2	20.8
10 28	3 56.16	+42 49.9	1.139	2.020	17.4	20.5
11 7	3 44.00	+41 47.0	1.090	2.019	13.4	20.3
11 17	3 29.81	+39 58.4	1.063	2.017	10.1	20.1
11 27	3 16.12	+37 29.3	1.061	2.015	9.8	20.1
12 7	3 5.18	+34 36.1	1.084	2.013	12.8	20.2
12 17	2 58.32	+31 39.1	1.132	2.011	16.9	20.5
12 27	2 56.00	+28 56.1	1.200	2.007	20.8	20.7

426105 2012 FC_{34} 11 17.0 221°.71 1°.0/16.6 16

10 18	3 58.31	+17 24.9	1.503	2.380	14.4	21.8
10 28	3 50.99	+17 12.3	1.436	2.375	10.1	21.5
11 7	3 41.13	+16 54.3	1.392	2.369	5.2	21.2
11 17	3 29.82	+16 33.1	1.375	2.363	1.0	20.9
11 27	3 18.50	+16 12.5	1.386	2.357	5.6	21.2
12 7	3 8.63	+15 56.9	1.425	2.350	10.6	21.5
12 17	3 1.30	+15 50.4	1.487	2.343	14.9	21.7
12 27	2 57.16	+15 55.6	1.569	2.336	18.5	22.0

477355 2009 UX_{79} 11 17.0 29°.07 2°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.61	+25 25.4	1.267	2.144	16.5	21.1
10 28	3 50.08	+25 33.1	1.214	2.149	12.0	20.8
11 7	3 40.72	+25 25.9	1.182	2.155	6.9	20.5
11 17	3 29.82	+25 4.0	1.175	2.161	2.8	20.3
11 27	3 19.12	+24 31.1	1.194	2.168	5.7	20.5
12 7	3 10.25	+23 53.8	1.238	2.175	10.6	20.8
12 17	3 4.34	+23 19.5	1.305	2.183	15.1	21.1
12 27	3 1.98	+22 54.0	1.392	2.191	18.9	21.4

328949 2010 VL_{76} 11 17.0 264°.00 0°.1/17.1 18

10 18	3 58.46	+19 23.2	1.411	2.289	15.1	20.5
10 28	3 51.34	+19 27.4	1.340	2.279	10.7	20.2
11 7	3 41.44	+19 24.6	1.292	2.269	5.6	19.9
11 17	3 29.83	+19 15.7	1.269	2.258	0.1	19.4
11 27	3 18.10	+19 3.6	1.275	2.248	5.6	19.8
12 7	3 7.85	+18 52.6	1.306	2.237	10.9	20.1
12 17	3 0.31	+18 47.5	1.361	2.226	15.5	20.4
12 27	2 56.23	+18 52.1	1.436	2.215	19.4	20.6

257963 2001 BV_{55} 11 17.0 335°.46 0°.1/16.9 18

10 18	3 50.64	+21 7.9	1.724	2.601	12.8	19.5
10 28	3 45.41	+20 26.6	1.652	2.592	9.0	19.3
11 7	3 38.18	+19 35.4	1.605	2.582	4.6	19.0
11 17	3 29.83	+18 37.6	1.585	2.574	0.1	18.6
11 27	3 21.51	+17 38.4	1.593	2.566	4.7	19.0
12 7	3 14.37	+16 43.7	1.628	2.558	9.2	19.2
12 17	3 9.26	+15 58.8	1.688	2.551	13.1	19.4
12 27	3 6.76	+15 27.4	1.769	2.545	16.4	19.6

94909 2001 YT_{41} 11 17.0 357°.57 4°.5/18.9 18

10 18	3 56.77	+28 51.5	1.111	1.987	18.4	19.2
10 28	3 50.67	+29 3.0	1.053	1.985	13.7	18.9
11 7	3 41.22	+28 53.5	1.015	1.983	8.6	18.6
11 17	3 29.83	+28 21.7	1.000	1.983	4.7	18.4
11 27	3 18.54	+27 31.5	1.010	1.982	6.8	18.5
12 7	3 9.30	+26 31.8	1.043	1.983	11.8	18.8
12 17	3 3.46	+25 33.3	1.098	1.984	16.7	19.1
12 27	3 1.69	+24 44.7	1.171	1.986	20.8	19.4

221579 2006 VC_{92} 11 17.0 351°.21 2°.9/18.4 18

10 18	3 54.85	+27 24.8	1.239	2.114	16.9	20.0
10 28	3 48.99	+27 3.0	1.177	2.111	12.4	19.7
11 7	3 40.22	+26 21.7	1.137	2.108	7.3	19.4
11 17	3 29.83	+25 22.1	1.121	2.106	3.0	19.2
11 27	3 19.58	+24 10.3	1.130	2.105	5.8	19.3
12 7	3 11.14	+22 55.7	1.165	2.104	11.0	19.6
12 17	3 5.68	+21 47.9	1.222	2.103	15.7	19.9
12 27	3 3.82	+20 54.0	1.299	2.104	19.7	20.2

77350 2001 FN_{118} 11 17.0 28°.89 9°.8/ 9.0 18

10 18	3 51.85	− 1 52.4	1.684	2.553	13.5	19.2
10 28	3 46.03	− 4 26.6	1.643	2.554	11.1	19.1
11 7	3 38.39	− 6 48.4	1.627	2.555	9.8	19.0
11 17	3 29.84	− 8 47.0	1.639	2.556	10.4	19.1
11 27	3 21.47	−10 14.1	1.677	2.557	12.4	19.2
12 7	3 14.30	−11 6.5	1.738	2.558	14.9	19.4
12 17	3 9.11	−11 25.1	1.819	2.560	17.3	19.6
12 27	3 6.37	−11 14.3	1.915	2.561	19.3	19.7

327526 2006 BP_{112} 11 17.0 264°.38 5°.0/13.8 17

10 18	3 51.00	+ 4 20.6	2.257	3.127	10.5	21.2
10 28	3 45.20	+ 3 39.3	2.191	3.118	7.8	21.0
11 7	3 37.93	+ 3 3.6	2.151	3.109	5.6	20.9
11 17	3 29.84	+ 2 37.5	2.139	3.101	5.1	20.8
11 27	3 21.78	+ 2 24.4	2.156	3.092	7.0	20.9
12 7	3 14.57	+ 2 26.3	2.200	3.083	9.6	21.1
12 17	3 8.87	+ 2 43.4	2.269	3.074	12.3	21.3
12 27	3 5.17	+ 3 14.9	2.359	3.065	14.6	21.4

158690 2003 FU_{63} 11 17.0 274°.48 1°.3/16.4 18

10 18	3 55.33	+16 58.1	1.602	2.480	13.5	21.3
10 28	3 48.88	+16 34.2	1.526	2.466	9.5	21.0
11 7	3 40.07	+16 4.9	1.474	2.451	4.9	20.7
11 17	3 29.84	+15 33.0	1.449	2.436	1.4	20.4
11 27	3 19.53	+15 2.8	1.452	2.421	5.6	20.7
12 7	3 10.44	+14 39.2	1.482	2.406	10.3	20.9
12 17	3 3.65	+14 26.0	1.536	2.391	14.6	21.1
12 27	2 59.81	+14 26.0	1.610	2.376	18.1	21.4

290403 2005 TG_{36} 11 17.0 140°.72 0°.0/16.9 18

10 18	3 53.49	+19 45.0	2.048	2.916	11.5	21.1
10 28	3 47.09	+19 33.2	1.983	2.918	8.0	20.9
11 7	3 38.94	+19 15.5	1.944	2.920	4.1	20.6
11 17	3 29.85	+18 53.5	1.933	2.921	0.0	20.3
11 27	3 20.84	+18 30.0	1.951	2.923	4.1	20.7
12 7	3 12.90	+18 8.5	1.999	2.925	8.0	20.9
12 17	3 6.79	+17 52.5	2.072	2.926	11.4	21.1
12 27	3 3.02	+17 44.5	2.168	2.927	14.2	21.3

511477 2014 LN_{20} 11 17.0 222°.01 5°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.48	+ 1 42.8	2.284	3.141	10.9	22.2
10 28	3 48.31	+ 1 18.0	2.214	3.131	8.3	22.0
11 7	3 39.53	+ 1 1.3	2.169	3.121	6.1	21.8
11 17	3 29.86	+ 0 56.1	2.154	3.109	5.6	21.8
11 27	3 20.18	+ 1 5.3	2.168	3.097	7.3	21.9
12 7	3 11.38	+ 1 29.8	2.211	3.085	10.0	22.0
12 17	3 4.20	+ 2 9.0	2.278	3.072	12.6	22.2
12 27	2 59.13	+ 3 1.3	2.368	3.058	15.0	22.3

222055 1998 WF_{3} 11 17.0 352°.69 1°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.62	+26 29.6	1.768	2.633	13.1	18.6
10 28	3 45.30	+25 12.4	1.697	2.629	9.4	18.4
11 7	3 38.06	+23 38.5	1.652	2.625	5.1	18.1
11 17	3 29.85	+21 52.4	1.634	2.622	1.1	17.8
11 27	3 21.82	+20 1.3	1.646	2.620	4.4	18.1
12 7	3 15.06	+18 14.2	1.686	2.618	8.7	18.3
12 17	3 10.35	+16 38.7	1.753	2.617	12.6	18.6
12 27	3 8.17	+15 20.2	1.841	2.616	15.8	18.8

484242 2007 EM_{190} 11 17.0 209°.66 3°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.59	+ 9 40.3	2.500	3.371	9.6	22.4
10 28	3 44.80	+ 8 45.8	2.433	3.366	6.8	22.2
11 7	3 37.68	+ 7 52.2	2.393	3.361	4.2	22.0
11 17	3 29.86	+ 7 3.2	2.383	3.356	3.5	22.0
11 27	3 22.10	+ 6 22.6	2.402	3.351	5.5	22.1
12 7	3 15.14	+ 5 53.4	2.451	3.345	8.3	22.2
12 17	3 9.57	+ 5 37.3	2.525	3.338	10.9	22.4
12 27	3 5.83	+ 5 34.7	2.621	3.332	13.2	22.6

513591 2011 CC_{92} 11 17.0 242°.05 1°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.49	+16 38.3	1.623	2.501	13.4	21.9
10 28	3 48.87	+15 51.9	1.552	2.492	9.4	21.7
11 7	3 40.01	+14 59.3	1.505	2.482	4.9	21.4
11 17	3 29.86	+14 4.6	1.486	2.472	2.0	21.2
11 27	3 19.74	+13 13.6	1.495	2.462	5.8	21.4
12 7	3 10.90	+12 31.9	1.531	2.451	10.4	21.6
12 17	3 4.31	+12 3.8	1.591	2.440	14.5	21.9
12 27	3 0.60	+11 51.7	1.672	2.429	17.9	22.1

515157 2011 OH_{9} 11 17.0 324°.51 2°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.67	+16 29.7	1.469	2.357	13.9	20.9
10 28	3 46.35	+15 24.0	1.401	2.346	9.7	20.6
11 7	3 38.75	+14 10.9	1.357	2.335	5.1	20.3
11 17	3 29.87	+12 56.3	1.340	2.325	2.6	20.1
11 27	3 21.03	+11 47.7	1.349	2.316	6.5	20.4
12 7	3 13.51	+10 52.0	1.385	2.306	11.2	20.6
12 17	3 8.30	+10 14.0	1.443	2.298	15.4	20.8
12 27	3 5.99	+ 9 56.0	1.520	2.290	18.9	21.1

185243 2006 UJ_{37} 11 17.0 175°.84 0°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.49	+20 50.6	1.608	2.480	13.8	20.2
10 28	3 49.49	+20 6.6	1.545	2.482	9.7	20.0
11 7	3 40.27	+19 12.6	1.506	2.483	5.0	19.7
11 17	3 29.87	+18 11.8	1.495	2.484	0.3	19.3
11 27	3 19.64	+17 10.2	1.513	2.484	5.1	19.7
12 7	3 10.86	+16 14.1	1.558	2.484	9.8	20.0
12 17	3 4.43	+15 29.2	1.627	2.484	13.9	20.2
12 27	3 0.92	+14 59.1	1.718	2.483	17.2	20.5

142368 Majden 11 17.0 191°.64 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.53	+21 35.9	1.719	2.585	13.4	20.5
10 28	3 50.20	+21 14.7	1.651	2.584	9.4	20.3
11 7	3 40.65	+20 43.9	1.607	2.583	5.0	20.0
11 17	3 29.88	+20 5.4	1.592	2.581	0.4	19.7
11 27	3 19.19	+19 23.2	1.606	2.578	4.7	20.0
12 7	3 9.86	+18 42.8	1.648	2.575	9.3	20.3
12 17	3 2.82	+18 9.2	1.715	2.571	13.3	20.5
12 27	2 58.66	+17 46.5	1.803	2.567	16.6	20.7

488798 2005 EN_{18} 11 17.0 155°.82 3°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.39	+30 55.6	2.207	3.039	12.2	22.0
10 28	3 49.86	+31 10.1	2.139	3.045	9.2	21.8
11 7	3 40.39	+31 10.9	2.097	3.051	6.1	21.6
11 17	3 29.89	+30 56.9	2.082	3.056	3.9	21.5
11 27	3 19.47	+30 29.9	2.098	3.061	4.8	21.5
12 7	3 10.23	+29 53.9	2.142	3.066	7.7	21.7
12 17	3 2.99	+29 14.1	2.214	3.070	10.7	21.9
12 27	2 58.29	+28 36.2	2.309	3.073	13.3	22.1

216044 2006 JV_{35} 11 17.0 202°.55 2°.0/16.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.91	+17 0.9	1.469	2.349	14.4	21.5
10 28	3 49.95	+16 8.9	1.406	2.347	10.1	21.2
11 7	3 40.57	+15 9.9	1.367	2.345	5.2	21.0
11 17	3 29.89	+14 8.7	1.355	2.342	2.0	20.7
11 27	3 19.33	+13 11.9	1.371	2.339	6.2	21.0
12 7	3 10.28	+12 25.9	1.414	2.335	11.0	21.3
12 17	3 3.73	+11 55.2	1.479	2.331	15.3	21.5
12 27	3 0.27	+11 42.1	1.565	2.326	18.8	21.8

517382 2014 KB_{86} 11 17.0 194°.77 4°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.81	+ 4 31.5	2.382	3.243	10.4	22.3
10 28	3 47.76	+ 4 8.1	2.317	3.240	7.7	22.1
11 7	3 39.23	+ 3 50.5	2.278	3.237	5.3	22.0
11 17	3 29.89	+ 3 41.7	2.269	3.233	4.6	21.9
11 27	3 20.61	+ 3 44.2	2.290	3.229	6.4	22.0
12 7	3 12.21	+ 3 59.3	2.340	3.224	9.1	22.2
12 17	3 5.36	+ 4 27.0	2.416	3.219	11.7	22.4
12 27	3 0.53	+ 5 6.4	2.513	3.212	14.0	22.5

152557 1981 ED_{29} 11 17.0 218°.61 4°.8/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.18	+32 59.4	1.949	2.778	13.7	21.1
10 28	3 51.48	+33 14.8	1.869	2.770	10.5	20.8
11 7	3 41.39	+33 13.1	1.812	2.762	7.3	20.6
11 17	3 29.90	+32 52.3	1.783	2.753	5.0	20.5
11 27	3 18.34	+32 13.8	1.782	2.743	5.8	20.5
12 7	3 8.07	+31 22.6	1.810	2.733	8.9	20.7
12 17	3 0.15	+30 25.8	1.864	2.722	12.3	20.9
12 27	2 55.22	+29 30.9	1.940	2.711	15.3	21.0

191200 2002 PA_{70} 11 17.0 71°.38 2°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.74	+14 51.9	2.193	3.068	10.5	19.8
10 28	3 44.92	+13 52.6	2.146	3.084	7.3	19.6
11 7	3 37.73	+12 51.1	2.125	3.101	3.9	19.5
11 17	3 29.89	+11 51.4	2.134	3.117	2.3	19.4
11 27	3 22.29	+10 58.0	2.172	3.134	4.9	19.6
12 7	3 15.70	+10 14.6	2.239	3.150	8.1	19.8
12 17	3 10.71	+ 9 43.8	2.332	3.167	11.0	20.0
12 27	3 7.73	+ 9 26.5	2.447	3.183	13.4	20.2

445704 2011 UQ_{196} 11 17.0 76°.53 3°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.57	+28 16.4	1.830	2.682	13.4	21.1
10 28	3 48.83	+28 21.7	1.765	2.685	9.9	20.9
11 7	3 39.94	+28 13.3	1.725	2.689	6.1	20.7
11 17	3 29.89	+27 50.8	1.711	2.692	3.2	20.5
11 27	3 19.95	+27 16.8	1.726	2.695	4.8	20.7
12 7	3 11.31	+26 36.3	1.768	2.699	8.5	20.9
12 17	3 4.90	+25 55.2	1.837	2.702	12.1	21.1
12 27	3 1.28	+25 19.1	1.927	2.706	15.1	21.3

348352 2005 EV_{133} 11 17.0 325°.83 2°.8/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.37	+24 21.3	1.315	2.195	15.8	20.6
10 28	3 48.91	+24 49.6	1.235	2.172	11.6	20.3
11 7	3 40.41	+25 6.9	1.177	2.149	6.8	19.9
11 17	3 29.90	+25 11.5	1.142	2.128	2.9	19.6
11 27	3 19.00	+25 4.4	1.134	2.108	5.9	19.8
12 7	3 9.49	+24 50.0	1.150	2.088	11.2	20.0
12 17	3 2.80	+24 34.7	1.189	2.070	16.1	20.2
12 27	2 59.85	+24 24.7	1.246	2.053	20.3	20.4

117996 1089 $T\text{-}_{2}$ 11 17.0 189°.05 2°.5/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.51	+28 33.9	2.616	3.456	10.2	20.2
10 28	3 46.25	+28 34.2	2.542	3.455	7.6	20.1
11 7	3 38.48	+28 24.0	2.493	3.455	4.7	19.9
11 17	3 29.90	+28 3.6	2.474	3.454	2.6	19.7
11 27	3 21.35	+27 34.6	2.485	3.453	3.7	19.8
12 7	3 13.68	+27 0.3	2.525	3.451	6.5	20.0
12 17	3 7.56	+26 24.8	2.593	3.450	9.3	20.2
12 27	3 3.46	+25 52.0	2.685	3.448	11.7	20.3

125871 2001 XA_{195} 11 17.0 12°.69 1°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.80	+17 59.9	1.089	1.990	16.7	19.0
10 28	3 46.81	+17 25.7	1.043	1.993	11.6	18.7
11 7	3 39.08	+16 43.9	1.018	1.998	5.9	18.4
11 17	3 29.90	+15 59.5	1.017	2.005	1.5	18.1
11 27	3 20.97	+15 19.3	1.039	2.012	6.5	18.5
12 7	3 13.88	+14 49.6	1.086	2.021	12.0	18.8
12 17	3 9.66	+14 34.9	1.153	2.032	16.7	19.1
12 27	3 8.87	+14 37.0	1.239	2.043	20.5	19.4

7023 Heiankyo 11 17.0 106°.53 3°.7/15.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.61	+10 9.0	1.673	2.550	13.2	16.9
10 28	3 49.32	+ 9 39.8	1.626	2.563	9.3	16.7
11 7	3 40.09	+ 9 13.2	1.605	2.577	5.4	16.5
11 17	3 29.91	+ 8 53.0	1.611	2.590	3.8	16.5
11 27	3 20.00	+ 8 42.8	1.645	2.603	6.6	16.7
12 7	3 11.48	+ 8 44.9	1.707	2.615	10.3	16.9
12 17	3 5.14	+ 9 0.2	1.793	2.628	13.8	17.2
12 27	3 1.46	+ 9 28.4	1.899	2.639	16.6	17.4

71022 1999 XD_{59} 11 17.0 292°.52 3°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.38	+10 3.8	1.697	2.571	13.1	18.7
10 28	3 50.17	+10 15.6	1.625	2.562	9.3	18.4
11 7	3 40.71	+10 31.5	1.578	2.552	5.3	18.2
11 17	3 29.91	+10 53.3	1.559	2.542	3.1	18.0
11 27	3 19.03	+11 22.5	1.569	2.533	6.2	18.2
12 7	3 9.31	+12 0.3	1.607	2.523	10.3	18.4
12 17	3 1.78	+12 46.7	1.669	2.514	14.2	18.6
12 27	2 57.08	+13 41.7	1.753	2.504	17.4	18.8

294234 2007 UC_{34} 11 17.0 332.°95 8.°4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 49.80	+ 3 36.0	1.438	2.327	14.1	19.8
10 28	3 44.97	+ 1 31.8	1.382	2.315	10.9	19.6
11 7	3 38.03	− 0 26.2	1.350	2.305	8.7	19.5
11 17	3 29.91	− 2 7.3	1.344	2.294	8.9	19.4
11 27	3 21.86	− 3 22.0	1.363	2.285	11.5	19.6
12 7	3 15.08	− 4 5.0	1.406	2.276	14.8	19.8
12 17	3 10.47	− 4 15.9	1.468	2.269	18.0	19.9
12 27	3 8.60	− 3 57.7	1.547	2.261	20.8	20.1

23051 1999 XF_{37} 11 17.0 68.°41 9.°1/12.1 18

10 18	3 53.11	− 2 24.0	1.618	2.486	14.0	17.0
10 28	3 46.86	− 3 46.3	1.586	2.500	11.3	16.9
11 7	3 38.81	− 4 53.2	1.577	2.513	9.4	16.8
11 17	3 29.92	− 5 37.6	1.594	2.527	9.4	16.8
11 27	3 21.34	− 5 55.0	1.636	2.540	11.1	17.0
12 7	3 14.09	− 5 44.9	1.701	2.554	13.6	17.2
12 17	3 8.92	− 5 9.8	1.788	2.567	16.1	17.4
12 27	3 6.24	− 4 14.0	1.893	2.581	18.3	17.6

226496 2003 SU_{291} 11 17.0 3.°15 2.°2/18.6 18

10 18	3 51.73	+27 50.8	2.081	2.934	12.0	19.7
10 28	3 45.93	+27 20.8	2.011	2.934	8.7	19.4
11 7	3 38.38	+26 37.5	1.967	2.934	5.2	19.2
11 17	3 29.92	+25 42.4	1.950	2.934	2.3	19.0
11 27	3 21.59	+24 39.4	1.962	2.935	4.0	19.2
12 7	3 14.37	+23 34.1	2.004	2.935	7.6	19.4
12 17	3 9.00	+22 32.0	2.072	2.936	10.9	19.6
12 27	3 5.98	+21 38.2	2.162	2.937	13.8	19.8

512871 2016 WA_{6} 11 17.0 61.°66 0.°5/16.8 18

10 18	3 55.59	+19 16.6	1.488	2.367	14.3	20.9
10 28	3 48.86	+18 52.4	1.441	2.381	9.9	20.7
11 7	3 39.93	+18 20.9	1.418	2.396	5.1	20.5
11 17	3 29.93	+17 45.3	1.422	2.410	0.5	20.2
11 27	3 20.24	+17 10.1	1.453	2.425	5.2	20.6
12 7	3 12.11	+16 40.5	1.511	2.440	9.8	20.9
12 17	3 6.43	+16 20.5	1.593	2.455	13.8	21.2
12 27	3 3.66	+16 12.7	1.695	2.470	17.0	21.4

259520 2003 TN_{28} 11 17.0 237.°78 0.°3/17.3 17

10 18	3 51.61	+21 26.3	2.392	3.255	10.3	20.5
10 28	3 45.67	+21 6.8	2.318	3.250	7.2	20.3
11 7	3 38.22	+20 40.6	2.270	3.245	3.8	20.1
11 17	3 29.93	+20 9.0	2.251	3.239	0.4	19.8
11 27	3 21.68	+19 35.0	2.262	3.234	3.6	20.1
12 7	3 14.31	+19 2.1	2.302	3.228	7.1	20.3
12 17	3 8.48	+18 33.6	2.370	3.223	10.2	20.5
12 27	3 4.70	+18 12.5	2.461	3.217	12.8	20.6

310591 2001 UE_{229} 11 17.0 131.°91 1.°3/16.3 18

10 18	3 54.35	+15 52.6	2.130	2.999	11.1	20.9
10 28	3 47.57	+15 37.8	2.072	3.008	7.7	20.7
11 7	3 39.17	+15 20.4	2.040	3.016	3.9	20.5
11 17	3 29.94	+15 2.4	2.037	3.024	1.3	20.3
11 27	3 20.85	+14 46.5	2.064	3.032	4.4	20.6
12 7	3 12.81	+14 35.7	2.120	3.039	8.0	20.8
12 17	3 6.53	+14 32.2	2.202	3.046	11.2	21.0
12 27	3 2.48	+14 37.4	2.307	3.053	13.9	21.2

187066 2005 MH_{41} 11 17.0 62.°57 1.°1/17.5 18

10 18	3 59.12	+22 51.5	1.273	2.150	16.4	20.3
10 28	3 51.42	+22 34.4	1.239	2.177	11.5	20.1
11 7	3 41.22	+22 5.2	1.228	2.204	6.1	19.8
11 17	3 29.95	+21 26.4	1.242	2.231	1.1	19.6
11 27	3 19.26	+20 43.5	1.284	2.257	5.3	19.9
12 7	3 10.60	+20 3.2	1.351	2.284	10.3	20.3
12 17	3 4.85	+19 31.3	1.442	2.311	14.5	20.6
12 27	3 2.41	+19 11.6	1.552	2.338	17.9	20.9

181588 2006 VW_{136} 11 17.0 113.°71 0.°1/16.9 18

10 18	3 54.03	+19 45.0	2.030	2.898	11.6	21.3
10 28	3 47.45	+19 29.7	1.971	2.905	8.1	21.1
11 7	3 39.15	+19 8.3	1.937	2.913	4.1	20.8
11 17	3 29.95	+18 42.7	1.932	2.920	0.1	20.5
11 27	3 20.90	+18 15.9	1.956	2.928	4.1	20.9
12 7	3 12.96	+17 51.7	2.009	2.935	8.0	21.1
12 17	3 6.88	+17 33.3	2.088	2.942	11.3	21.3
12 27	3 3.16	+17 23.4	2.190	2.948	14.1	21.6

297231 2320 $T\text{-}_{3}$ 11 17.0 98.°42 5.°0/19.6 18

10 18	3 59.12	+32 22.9	1.834	2.668	14.2	20.2
10 28	3 51.39	+32 56.2	1.775	2.679	10.8	20.0
11 7	3 41.31	+33 12.8	1.740	2.690	7.5	19.8
11 17	3 29.96	+33 10.5	1.732	2.701	5.2	19.7
11 27	3 18.74	+32 50.5	1.752	2.712	6.0	19.8
12 7	3 8.99	+32 17.7	1.799	2.722	8.9	20.0
12 17	3 1.69	+31 38.6	1.872	2.733	12.1	20.2
12 27	2 57.42	+31 0.2	1.968	2.743	15.0	20.4

516613 2007 TT_{97} 11 17.0 25.°23 4.°5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.87	+25 41.3	1.252	2.124	17.0	20.0
10 28	3 52.55	+27 0.4	1.205	2.135	12.5	19.8
11 7	3 42.13	+28 6.8	1.181	2.148	7.8	19.6
11 17	3 29.97	+28 55.7	1.181	2.161	4.5	19.4
11 27	3 17.93	+29 26.1	1.207	2.176	6.6	19.6
12 7	3 7.82	+29 41.4	1.259	2.192	11.0	19.9
12 17	3 0.90	+29 47.9	1.334	2.208	15.1	20.2
12 27	2 57.81	+29 52.5	1.428	2.226	18.6	20.5

414997 2011 FN_{28} 11 17.0 281.°31 4.°1/13.6 17

10 18	3 49.79	+ 8 51.4	2.318	3.193	10.1	21.0
10 28	3 44.44	+ 7 36.2	2.240	3.174	7.3	20.8
11 7	3 37.61	+ 6 21.1	2.190	3.156	4.8	20.6
11 17	3 29.96	+ 5 11.1	2.168	3.137	4.3	20.5
11 27	3 22.30	+ 4 11.3	2.176	3.118	6.4	20.7
12 7	3 15.42	+ 3 25.9	2.212	3.100	9.4	20.8
12 17	3 9.99	+ 2 57.1	2.273	3.081	12.2	21.0
12 27	3 6.49	+ 2 45.4	2.355	3.062	14.6	21.1

325678 2009 TS_{17} 11 17.0 36.°88 3.°5/15.4 18

10 18	3 53.38	+ 8 41.3	1.974	2.848	11.6	19.7
10 28	3 46.99	+ 8 33.1	1.919	2.854	8.2	19.5
11 7	3 38.92	+ 8 28.8	1.889	2.859	5.0	19.3
11 17	3 29.97	+ 8 31.0	1.887	2.865	3.6	19.2
11 27	3 21.14	+ 8 41.9	1.915	2.871	5.9	19.4
12 7	3 13.38	+ 9 2.8	1.970	2.878	9.2	19.6
12 17	3 7.41	+ 9 33.9	2.050	2.884	12.3	19.8
12 27	3 3.73	+10 14.9	2.152	2.891	14.9	20.0

511857 2015 FK_{363} 11 17.0 302.°54 6.°1/19.6 18

10 18	3 59.78	+32 34.0	1.336	2.187	17.4	21.5
10 28	3 52.62	+33 2.6	1.271	2.185	13.4	21.3
11 7	3 42.25	+33 9.4	1.228	2.183	9.2	21.1
11 17	3 29.98	+32 51.2	1.208	2.181	6.2	20.9
11 27	3 17.72	+32 9.6	1.214	2.179	7.3	20.9
12 7	3 7.35	+31 12.2	1.246	2.177	11.2	21.2
12 17	3 0.20	+30 9.1	1.300	2.175	15.4	21.4
12 27	2 56.96	+29 10.4	1.375	2.173	19.1	21.6

4647 Syuji 11 17.0 75.°01 2.°9/15.3 18

10 18	3 53.74	+12 43.4	1.936	2.811	11.7	17.2
10 28	3 47.05	+11 53.7	1.900	2.838	8.1	17.0
11 7	3 38.84	+11 4.2	1.891	2.865	4.5	16.9
11 17	3 29.98	+10 18.9	1.910	2.891	2.9	16.8
11 27	3 21.46	+ 9 41.9	1.958	2.917	5.6	17.0
12 7	3 14.18	+ 9 16.6	2.035	2.943	8.9	17.3
12 17	3 8.75	+ 9 4.4	2.136	2.969	12.0	17.5
12 27	3 5.56	+ 9 5.6	2.259	2.994	14.4	17.8

514703 2006 QE_{76} 11 17.0 71.°64 5.°7/13.9 18

10 18	3 52.97	+ 5 26.4	1.748	2.626	12.6	21.3
10 28	3 46.76	+ 4 30.7	1.703	2.636	9.3	21.1
11 7	3 38.80	+ 3 41.6	1.683	2.645	6.5	20.9
11 17	3 29.98	+ 3 4.5	1.691	2.655	5.9	20.9
11 27	3 21.38	+ 2 43.7	1.725	2.665	8.0	21.1
12 7	3 14.01	+ 2 41.3	1.786	2.675	11.1	21.3
12 17	3 8.59	+ 2 57.3	1.870	2.685	14.1	21.5
12 27	3 5.58	+ 3 29.8	1.973	2.695	16.6	21.7

107604 2001 ES_{2} 11 17.0 273.°53 2.°6/15.7 18

10 18	3 54.35	+13 7.6	1.792	2.670	12.4	20.5
10 28	3 48.01	+12 40.5	1.716	2.655	8.7	20.3
11 7	3 39.62	+12 12.2	1.664	2.640	4.8	20.0
11 17	3 30.00	+11 45.9	1.640	2.624	2.7	19.9
11 27	3 20.30	+11 25.7	1.645	2.609	5.9	20.0
12 7	3 11.68	+11 14.9	1.678	2.593	10.0	20.2
12 17	3 5.04	+11 16.2	1.734	2.578	13.8	20.4
12 27	3 1.03	+11 30.7	1.812	2.562	17.0	20.6

433389 2013 SL_{81} 11 17.0 26.°05 1.°5/16.4 18

10 18	3 55.23	+17 43.1	1.131	2.026	16.7	20.8
10 28	3 49.18	+17 9.3	1.083	2.030	11.6	20.5
11 7	3 40.33	+16 28.3	1.057	2.036	5.9	20.2
11 17	3 30.00	+15 44.7	1.054	2.042	1.6	20.0
11 27	3 19.94	+15 5.0	1.077	2.049	6.6	20.3
12 7	3 11.76	+14 35.6	1.124	2.057	12.0	20.6
12 17	3 6.54	+14 21.0	1.192	2.065	16.7	20.9
12 27	3 4.82	+14 23.0	1.279	2.073	20.5	21.2

478961 2012 XG_{79} 11 17.0 15.°50 3.°7/15.7 18

10 18	3 52.62	+12 17.5	1.114	2.015	16.3	20.0
10 28	3 47.30	+11 52.0	1.071	2.021	11.4	19.8
11 7	3 39.33	+11 27.9	1.050	2.028	6.4	19.5
11 17	3 30.00	+11 9.9	1.052	2.036	3.8	19.4
11 27	3 20.93	+11 2.9	1.079	2.046	7.6	19.7
12 7	3 13.64	+11 10.4	1.129	2.057	12.5	20.0
12 17	3 9.14	+11 33.2	1.201	2.070	16.8	20.3
12 27	3 7.97	+12 10.8	1.290	2.083	20.4	20.6

294913 2008 DB_{34} 11 17.0 205°.59 0°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.50	+20 0.5	1.810	2.677	12.8	21.9
10 28	3 50.17	+19 37.8	1.738	2.672	9.0	21.6
11 7	3 40.69	+19 7.4	1.691	2.667	4.7	21.4
11 17	3 30.01	+18 31.1	1.672	2.661	0.2	21.0
11 27	3 19.36	+17 52.9	1.683	2.654	4.7	21.4
12 7	3 9.95	+17 17.7	1.722	2.647	9.1	21.6
12 17	3 2.71	+16 49.8	1.787	2.639	13.0	21.8
12 27	2 58.22	+16 32.8	1.873	2.630	16.3	22.0

382737 2003 AM_{90} 11 17.0 341°.99 6°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.12	+33 49.2	1.224	2.084	18.1	20.2
10 28	3 48.80	+33 43.6	1.157	2.075	14.1	19.9
11 7	3 40.33	+33 11.0	1.110	2.067	9.7	19.6
11 17	3 30.01	+32 9.9	1.085	2.060	6.3	19.4
11 27	3 19.75	+30 44.8	1.085	2.054	7.2	19.5
12 7	3 11.38	+29 6.3	1.110	2.049	11.4	19.7
12 17	3 6.19	+27 27.0	1.157	2.045	15.9	19.9
12 27	3 4.83	+25 58.2	1.224	2.041	19.9	20.2

387397 2013 NZ_{18} 11 17.0 335°.39 5°.6/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.52	+ 7 46.0	1.295	2.184	15.4	20.1
10 28	3 49.20	+ 7 9.2	1.239	2.179	11.2	19.8
11 7	3 40.33	+ 6 38.1	1.205	2.175	7.1	19.6
11 17	3 30.02	+ 6 18.3	1.196	2.172	5.7	19.5
11 27	3 19.79	+ 6 15.0	1.213	2.168	8.7	19.7
12 7	3 11.11	+ 6 30.7	1.254	2.166	13.1	19.9
12 17	3 5.03	+ 7 5.4	1.317	2.163	17.1	20.2
12 27	3 2.19	+ 7 57.1	1.398	2.161	20.6	20.4

386741 2010 AO_{67} 11 17.0 204°.48 3°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.44	+29 18.8	1.771	2.619	14.0	21.3
10 28	3 50.29	+29 14.8	1.699	2.616	10.4	21.1
11 7	3 40.81	+28 54.8	1.651	2.613	6.5	20.9
11 17	3 30.02	+28 18.7	1.630	2.610	3.5	20.7
11 27	3 19.30	+27 29.3	1.637	2.607	5.1	20.8
12 7	3 9.96	+26 32.7	1.673	2.603	8.9	21.0
12 17	3 2.99	+25 36.0	1.734	2.599	12.7	21.2
12 27	2 59.00	+24 45.7	1.817	2.594	15.9	21.4

352295 2007 TG_{426} 11 17.0 334°.90 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.88	+19 0.7	1.564	2.443	13.8	20.6
10 28	3 48.60	+19 0.5	1.498	2.437	9.7	20.3
11 7	3 39.99	+18 54.4	1.455	2.432	5.0	20.1
11 17	3 30.02	+18 43.7	1.439	2.428	0.1	19.7
11 27	3 20.06	+18 31.2	1.451	2.424	5.0	20.1
12 7	3 11.41	+18 20.9	1.489	2.420	9.8	20.3
12 17	3 5.11	+18 16.7	1.552	2.416	13.9	20.6
12 27	3 1.78	+18 21.5	1.635	2.413	17.4	20.8

379670 2011 ER_{86} 11 17.0 305°.10 1°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.72	+17 35.6	1.311	2.183	16.4	21.0
10 28	3 57.26	+19 9.6	1.224	2.160	11.8	20.6
11 7	3 45.04	+20 47.9	1.162	2.137	6.4	20.3
11 17	3 30.06	+22 24.7	1.126	2.114	1.6	19.9
11 27	3 14.16	+23 54.5	1.119	2.091	6.4	20.1
12 7	2 59.53	+25 14.7	1.140	2.069	12.3	20.4
12 17	2 48.03	+26 26.3	1.186	2.048	17.5	20.6
12 27	2 40.83	+27 33.5	1.250	2.027	21.8	20.9

237408 1998 SA_{72} 11 17.0 73°.65 1°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.08	+16 5.5	1.684	2.561	13.0	20.3
10 28	3 48.31	+15 38.4	1.638	2.578	9.0	20.1
11 7	3 39.63	+15 7.8	1.617	2.594	4.6	19.9
11 17	3 30.04	+14 37.2	1.624	2.611	1.6	19.7
11 27	3 20.73	+14 10.4	1.659	2.628	5.2	20.0
12 7	3 12.80	+13 51.2	1.722	2.644	9.3	20.3
12 17	3 7.02	+13 42.5	1.809	2.660	12.9	20.6
12 27	3 3.87	+13 45.4	1.917	2.677	15.9	20.8

208318 2001 MC_{18} 11 17.0 129°.01 5°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.63	+ 2 0.9	2.437	3.295	10.2	21.1
10 28	3 46.80	+ 1 11.9	2.396	3.313	7.8	21.0
11 7	3 38.71	+ 0 30.4	2.382	3.330	5.8	20.9
11 17	3 30.04	+ 0 0.2	2.397	3.347	5.5	20.9
11 27	3 21.59	− 0 15.7	2.441	3.363	7.0	21.0
12 7	3 14.07	− 0 16.2	2.514	3.379	9.3	21.2
12 17	3 8.07	− 0 1.5	2.611	3.393	11.5	21.3
12 27	3 3.95	+ 0 27.0	2.729	3.407	13.4	21.5

224001 2005 GE_{30} 11 17.0 117°.68 4°.7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.80	+ 9 38.0	1.506	2.387	14.1	20.5
10 28	3 49.65	+ 8 43.2	1.459	2.398	10.0	20.3
11 7	3 40.37	+ 7 51.2	1.437	2.408	6.1	20.1
11 17	3 30.05	+ 7 7.6	1.442	2.418	4.8	20.0
11 27	3 20.02	+ 6 37.8	1.474	2.428	7.7	20.2
12 7	3 11.50	+ 6 25.2	1.533	2.438	11.6	20.5
12 17	3 5.34	+ 6 30.7	1.614	2.447	15.2	20.7
12 27	3 2.03	+ 6 53.3	1.715	2.456	18.1	21.0

399205 2014 GS_{27} 11 17.0 146°.41 3°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 53.00	+12 21.3	2.183	3.055	10.7	21.3
10 28	3 46.57	+11 15.0	2.127	3.063	7.5	21.1
11 7	3 38.66	+10 7.7	2.099	3.071	4.3	20.9
11 17	3 30.04	+ 9 4.0	2.100	3.079	3.2	20.9
11 27	3 21.60	+ 8 8.6	2.132	3.086	5.6	21.0
12 7	3 14.18	+ 7 25.5	2.192	3.093	8.8	21.3
12 17	3 8.42	+ 6 56.9	2.277	3.099	11.7	21.5
12 27	3 4.74	+ 6 43.4	2.385	3.104	14.1	21.7

50807 2000 FJ_{28} 11 17.0 245°.87 1°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.35	+26 8.7	2.474	3.324	10.4	19.0
10 28	3 46.26	+26 4.4	2.396	3.317	7.6	18.8
11 7	3 38.59	+25 50.6	2.343	3.311	4.4	18.6
11 17	3 30.04	+25 27.9	2.320	3.304	1.9	18.5
11 27	3 21.50	+24 58.2	2.326	3.297	3.6	18.6
12 7	3 13.82	+24 25.0	2.362	3.290	6.8	18.8
12 17	3 7.72	+23 52.1	2.425	3.283	9.8	18.9
12 27	3 3.69	+23 23.4	2.511	3.275	12.4	19.1

308269 2005 GL_{127} 11 17.0 198°.13 3°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.35	+ 7 28.8	2.505	3.370	9.8	21.4
10 28	3 46.76	+ 6 50.9	2.437	3.366	7.1	21.2
11 7	3 38.78	+ 6 15.9	2.397	3.362	4.6	21.0
11 17	3 30.05	+ 5 46.9	2.386	3.356	3.9	21.0
11 27	3 21.37	+ 5 27.3	2.406	3.351	5.7	21.1
12 7	3 13.51	+ 5 19.0	2.454	3.344	8.5	21.3
12 17	3 7.09	+ 5 23.0	2.529	3.337	11.1	21.4
12 27	3 2.57	+ 5 39.4	2.626	3.329	13.4	21.6

220702 2004 RH_{325} 11 17.0 39°.08 3°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.73	+28 57.6	1.864	2.713	13.3	19.4
10 28	3 48.97	+29 27.8	1.807	2.723	9.9	19.2
11 7	3 40.09	+29 44.8	1.773	2.733	6.4	19.0
11 17	3 30.06	+29 47.3	1.767	2.744	3.9	18.9
11 27	3 20.13	+29 36.6	1.788	2.755	5.1	19.0
12 7	3 11.50	+29 16.6	1.838	2.766	8.4	19.2
12 17	3 5.08	+28 52.5	1.913	2.778	11.7	19.4
12 27	3 1.43	+28 29.9	2.010	2.790	14.5	19.7

95576 2002 EQ_{142} 11 17.0 30°.08 0°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.16	+19 10.2	1.829	2.703	12.3	19.5
10 28	3 47.05	+19 0.4	1.770	2.708	8.6	19.3
11 7	3 39.05	+18 44.9	1.736	2.713	4.4	19.1
11 17	3 30.05	+18 25.5	1.730	2.718	0.2	18.7
11 27	3 21.17	+18 5.2	1.752	2.724	4.4	19.1
12 7	3 13.47	+17 47.7	1.802	2.730	8.5	19.3
12 17	3 7.77	+17 36.5	1.877	2.736	12.1	19.6
12 27	3 4.57	+17 33.8	1.974	2.743	15.1	19.8

191878 2004 XA_{103} 11 17.0 3°.52 3°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.29	+22 6.1	0.997	1.894	18.2	18.1
10 28	3 49.16	+23 14.8	0.947	1.892	13.1	17.8
11 7	3 40.63	+24 15.0	0.916	1.892	7.5	17.5
11 17	3 30.06	+25 2.9	0.908	1.894	3.2	17.3
11 27	3 19.45	+25 37.4	0.923	1.898	6.6	17.5
12 7	3 10.83	+26 1.4	0.961	1.904	12.1	17.8
12 17	3 5.63	+26 20.2	1.020	1.912	17.1	18.2
12 27	3 4.57	+26 39.3	1.097	1.923	21.2	18.5

103756 2000 CH_{124} 11 17.0 238°.81 4°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.59	+31 29.3	1.875	2.714	13.7	19.7
10 28	3 49.69	+31 44.1	1.803	2.712	10.4	19.5
11 7	3 40.52	+31 42.8	1.755	2.709	7.0	19.3
11 17	3 30.06	+31 24.2	1.733	2.707	4.5	19.2
11 27	3 19.61	+30 49.9	1.740	2.704	5.5	19.2
12 7	3 10.46	+30 5.1	1.774	2.702	8.7	19.4
12 17	3 3.59	+29 16.2	1.834	2.699	12.1	19.6
12 27	2 59.61	+28 30.0	1.917	2.696	15.2	19.8

523272 2017 AW_{24} 11 17.0 296°.84 1°.5/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.03	+24 7.4	1.729	2.596	13.3	21.9
10 28	3 48.04	+23 53.7	1.644	2.576	9.6	21.7
11 7	3 39.76	+23 28.2	1.583	2.556	5.3	21.4
11 17	3 30.06	+22 51.8	1.548	2.536	1.5	21.1
11 27	3 20.21	+22 7.9	1.542	2.516	4.7	21.2
12 7	3 11.49	+21 21.9	1.564	2.496	9.2	21.5
12 17	3 4.97	+20 39.9	1.610	2.476	13.4	21.7
12 27	3 1.32	+20 7.1	1.677	2.457	17.0	21.9

129046 2004 VY_{4} 11 17.0 91°.06 1°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.38	+26 18.7	2.185	3.039	11.4	19.5
10 28	3 46.33	+25 51.6	2.117	3.041	8.2	19.3
11 7	3 38.62	+25 13.1	2.075	3.044	4.7	19.1
11 17	3 30.06	+24 24.7	2.061	3.046	1.8	18.9
11 27	3 21.62	+23 30.0	2.077	3.049	3.8	19.1
12 7	3 14.24	+22 33.9	2.122	3.052	7.3	19.3
12 17	3 8.63	+21 41.3	2.193	3.054	10.6	19.5
12 27	3 5.27	+20 56.5	2.288	3.057	13.3	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
263216 2008 AC_{34}			11 17.0 226°.31		6°.2/13.6 18	
	h m	° ′			°	m
10 18	3 53.25	+ 1 41.8	2.049	2.914	11.6	20.8
10 28	3 46.91	+ 1 0.3	1.989	2.910	8.9	20.6
11 7	3 38.93	+ 0 27.4	1.954	2.905	6.7	20.5
11 17	3 30.06	+ 0 7.6	1.947	2.901	6.3	20.4
11 27	3 21.26	+ 0 4.4	1.968	2.896	8.1	20.5
12 7	3 13.44	+ 0 19.1	2.016	2.890	10.8	20.7
12 17	3 7.32	+ 0 51.1	2.087	2.885	13.5	20.9
12 27	3 3.41	+ 1 38.6	2.179	2.879	15.8	21.1
31517 Mahoui			11 17.0 279°.77		1°.6/16.2 18	
10 18	3 54.39	+17 41.3	1.540	2.421	13.8	18.1
10 28	3 48.24	+16 52.9	1.471	2.413	9.7	17.9
11 7	3 39.80	+15 57.0	1.426	2.404	5.0	17.6
11 17	3 30.07	+14 57.9	1.409	2.396	1.7	17.4
11 27	3 20.36	+14 1.7	1.418	2.387	5.8	17.6
12 7	3 12.00	+13 14.6	1.455	2.379	10.5	17.9
12 17	3 5.95	+12 41.6	1.515	2.371	14.7	18.1
12 27	3 2.84	+12 25.1	1.595	2.362	18.2	18.3
309944 2009 FX_{74}			11 17.0 180°.05		0°.4/16.8 18	
10 18	3 54.93	+18 1.8	2.208	3.072	10.9	21.4
10 28	3 48.07	+17 56.2	2.140	3.073	7.6	21.2
11 7	3 39.52	+17 46.5	2.098	3.074	3.9	21.0
11 17	3 30.07	+17 34.0	2.086	3.074	0.5	20.7
11 27	3 20.66	+17 21.0	2.104	3.074	4.0	21.0
12 7	3 12.24	+17 10.4	2.151	3.073	7.7	21.3
12 17	3 5.55	+17 4.8	2.225	3.072	11.0	21.5
12 27	3 1.10	+17 6.4	2.322	3.071	13.7	21.7
331419 2012 FO_{69}			11 17.1 334°.46		2°.6/15.6 18	
10 18	3 51.50	+13 12.5	1.816	2.697	12.0	20.5
10 28	3 45.94	+12 40.0	1.749	2.690	8.4	20.2
11 7	3 38.52	+12 6.5	1.708	2.684	4.6	20.0
11 17	3 30.07	+11 35.3	1.694	2.678	2.7	19.9
11 27	3 21.65	+11 10.8	1.709	2.672	5.7	20.1
12 7	3 14.30	+10 56.2	1.750	2.667	9.6	20.3
12 17	3 8.84	+10 54.0	1.816	2.662	13.1	20.5
12 27	3 5.81	+11 4.9	1.902	2.657	16.1	20.7
452485 2004 DB_{64}			11 17.1 88°.72		2°.4/15.8 18	
10 18	3 54.19	+13 8.9	1.886	2.762	12.0	20.9
10 28	3 47.60	+12 44.5	1.835	2.773	8.3	20.7
11 7	3 39.27	+12 19.6	1.809	2.784	4.5	20.5
11 17	3 30.08	+11 57.2	1.812	2.796	2.5	20.4
11 27	3 21.08	+11 40.8	1.843	2.807	5.4	20.6
12 7	3 13.25	+11 33.2	1.902	2.817	9.0	20.9
12 17	3 7.35	+11 36.0	1.987	2.828	12.3	21.1
12 27	3 3.82	+11 49.9	2.092	2.839	15.1	21.3
90550 2004 FS_{116}			11 17.1 197°.94		4°.4/14.4 18	
10 18	3 52.91	+ 6 37.8	2.195	3.065	10.8	20.0
10 28	3 46.60	+ 5 59.7	2.133	3.063	7.8	19.8
11 7	3 38.76	+ 5 25.8	2.097	3.061	5.2	19.7
11 17	3 30.09	+ 4 59.8	2.090	3.059	4.5	19.6
11 27	3 21.50	+ 4 45.0	2.112	3.056	6.5	19.7
12 7	3 13.83	+ 4 43.6	2.161	3.053	9.4	19.9
12 17	3 7.78	+ 4 56.2	2.236	3.049	12.2	20.1
12 27	3 3.80	+ 5 22.2	2.332	3.045	14.6	20.3
29497 1997 WD_{15}			11 17.1 240°.87		0°.7/17.4 18	R
10 18	3 54.96	+21 31.3	2.103	2.965	11.5	17.8
10 28	3 48.29	+21 30.9	2.025	2.956	8.1	17.6
11 7	3 39.74	+21 23.3	1.973	2.947	4.3	17.3
11 17	3 30.11	+21 9.5	1.950	2.938	0.7	17.0
11 27	3 20.42	+20 51.5	1.956	2.928	4.0	17.3
12 7	3 11.73	+20 32.7	1.991	2.918	7.9	17.5
12 17	3 4.86	+20 16.9	2.053	2.908	11.4	17.7
12 27	3 0.42	+20 7.2	2.137	2.898	14.4	17.9
89216 2001 UN_{117}			11 17.1 170°.27		0°.6/16.7 18	
10 18	3 56.04	+19 15.4	1.830	2.700	12.6	19.6
10 28	3 49.06	+18 43.5	1.767	2.702	8.8	19.4
11 7	3 40.10	+18 4.5	1.728	2.705	4.5	19.1
11 17	3 30.11	+17 21.3	1.718	2.707	0.6	18.8
11 27	3 20.26	+16 38.1	1.738	2.708	4.7	19.2
12 7	3 11.65	+15 59.7	1.785	2.709	8.9	19.4
12 17	3 5.12	+15 30.3	1.859	2.710	12.6	19.7
12 27	3 1.21	+15 12.8	1.954	2.710	15.7	19.9
263387 2008 CM_{204}			11 17.1 269°.59		0°.1/17.0 18	
10 18	3 57.92	+19 4.9	1.491	2.367	14.5	21.1
10 28	3 51.00	+19 2.7	1.414	2.352	10.3	20.8
11 7	3 41.40	+18 53.7	1.360	2.337	5.4	20.4
11 17	3 30.12	+18 39.2	1.333	2.321	0.1	20.0
11 27	3 18.66	+18 22.1	1.333	2.306	5.4	20.4
12 7	3 8.53	+18 7.2	1.360	2.290	10.6	20.6
12 17	3 0.95	+17 58.9	1.411	2.274	15.2	20.9
12 27	2 56.68	+18 1.0	1.482	2.258	19.0	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
522081 2015 XA_{421}			11 17.1 280°.81		4°.7/14.5 17	
	h m	° ′			°	m
10 18	3 52.17	+ 4 39.0	2.244	3.112	10.6	21.3
10 28	3 46.08	+ 4 15.8	2.182	3.109	7.9	21.1
11 7	3 38.50	+ 3 58.7	2.145	3.106	5.4	21.0
11 17	3 30.11	+ 3 50.9	2.137	3.102	4.8	20.9
11 27	3 21.77	+ 3 55.1	2.158	3.099	6.6	21.0
12 7	3 14.32	+ 4 12.4	2.206	3.096	9.3	21.2
12 17	3 8.41	+ 4 42.9	2.280	3.093	12.0	21.4
12 27	3 4.53	+ 5 25.4	2.375	3.089	14.3	21.5
22410 Grinspoon			11 17.1 285°.07		1°.5/17.8 18	
10 18	3 55.85	+23 35.5	1.695	2.561	13.6	19.6
10 28	3 49.21	+23 35.1	1.627	2.558	9.7	19.3
11 7	3 40.31	+23 24.3	1.583	2.556	5.4	19.1
11 17	3 30.12	+23 3.7	1.566	2.553	1.6	18.8
11 27	3 19.96	+22 36.1	1.577	2.550	4.7	19.0
12 7	3 11.11	+22 6.4	1.616	2.548	9.1	19.3
12 17	3 4.55	+21 39.7	1.680	2.545	13.0	19.5
12 27	3 0.87	+21 20.4	1.765	2.543	16.3	19.7
91727 1999 TH_{162}			11 17.1 0°.35		4°.2/14.5 18	
10 18	3 50.60	+ 9 44.9	1.816	2.699	12.0	19.2
10 28	3 45.23	+ 8 48.5	1.759	2.698	8.5	19.0
11 7	3 38.13	+ 7 53.7	1.727	2.698	5.3	18.8
11 17	3 30.11	+ 7 5.7	1.723	2.698	4.3	18.7
11 27	3 22.21	+ 6 29.3	1.746	2.698	6.8	18.9
12 7	3 15.38	+ 6 8.1	1.795	2.699	10.2	19.1
12 17	3 10.39	+ 6 3.6	1.869	2.700	13.5	19.3
12 27	3 7.73	+ 6 15.5	1.962	2.701	16.2	19.5
494044 2016 BG_{25}			11 17.1 29°.24		5°.4/20.7 17	
10 18	3 54.16	+36 3.3	2.117	2.936	13.1	20.9
10 28	3 47.83	+36 17.0	2.051	2.941	10.3	20.8
11 7	3 39.51	+36 12.9	2.008	2.946	7.5	20.6
11 17	3 30.12	+35 49.8	1.992	2.952	5.6	20.5
11 27	3 20.84	+35 9.5	2.004	2.958	5.9	20.5
12 7	3 12.78	+34 16.7	2.043	2.964	8.1	20.7
12 17	3 6.80	+33 17.7	2.108	2.970	10.9	20.9
12 27	3 3.42	+32 19.2	2.197	2.977	13.4	21.1
97522 2000 DV_{19}			11 17.1 9°.79		0°.6/17.4 18	
10 18	3 51.69	+21 21.7	1.636	2.514	13.3	18.9
10 28	3 46.24	+21 12.1	1.578	2.517	9.4	18.7
11 7	3 38.74	+20 54.1	1.544	2.520	4.9	18.5
11 17	3 30.12	+20 29.5	1.536	2.525	0.6	18.2
11 27	3 21.62	+20 1.9	1.556	2.530	4.6	18.5
12 7	3 14.40	+19 35.9	1.602	2.536	9.0	18.7
12 17	3 9.34	+19 15.6	1.673	2.542	12.8	19.0
12 27	3 6.97	+19 4.5	1.765	2.550	16.0	19.2
288575 2004 HO_{50}			11 17.1 158°.99		4°.9/14.5 18	
10 18	3 56.62	+ 6 6.4	1.940	2.808	12.0	21.7
10 28	3 49.25	+ 5 26.9	1.887	2.815	8.8	21.5
11 7	3 40.13	+ 4 52.7	1.859	2.822	5.9	21.4
11 17	3 30.14	+ 4 28.1	1.860	2.828	5.0	21.3
11 27	3 20.31	+ 4 16.6	1.890	2.833	7.2	21.5
12 7	3 11.65	+ 4 20.1	1.947	2.837	10.3	21.7
12 17	3 4.89	+ 4 38.9	2.029	2.841	13.3	21.9
12 27	3 0.53	+ 5 11.8	2.132	2.844	15.8	22.1
444924 2008 AT_{112}			11 17.1 87°.13		6°.0/21.3 18	
10 18	3 57.72	+37 57.4	1.942	2.753	14.4	21.2
10 28	3 50.33	+38 0.1	1.884	2.768	11.4	21.0
11 7	3 40.77	+37 41.3	1.849	2.783	8.4	20.8
11 17	3 30.14	+36 59.9	1.840	2.797	6.3	20.7
11 27	3 19.80	+35 58.8	1.859	2.812	6.5	20.8
12 7	3 10.99	+34 44.4	1.906	2.826	8.7	21.0
12 17	3 4.60	+33 24.7	1.979	2.840	11.5	21.2
12 27	3 1.09	+32 7.7	2.075	2.854	14.2	21.4
368352 2002 QD_{115}			11 17.1 104°.95		5°.9/21.7 17	
10 18	3 55.34	+39 48.6	2.426	3.219	12.4	21.0
10 28	3 48.50	+39 58.5	2.357	3.225	10.1	20.9
11 7	3 39.80	+39 49.9	2.311	3.231	7.7	20.7
11 17	3 30.13	+39 21.4	2.292	3.237	6.1	20.6
11 27	3 20.60	+38 34.5	2.301	3.243	6.2	20.6
12 7	3 12.24	+37 33.7	2.338	3.249	7.8	20.8
12 17	3 5.86	+36 25.2	2.402	3.255	10.1	20.9
12 27	3 1.95	+35 15.5	2.490	3.260	12.3	21.1
480356 2015 KS_{20}			11 17.1 88°.68		1°.0/16.6 18	
10 18	3 57.84	+17 5.5	1.701	2.573	13.2	20.9
10 28	3 50.22	+16 54.7	1.658	2.595	9.1	20.7
11 7	3 40.65	+16 39.8	1.640	2.617	4.6	20.5
11 17	3 30.16	+16 22.9	1.650	2.638	1.0	20.2
11 27	3 20.00	+16 7.3	1.689	2.659	4.9	20.6
12 7	3 11.30	+15 56.4	1.755	2.679	9.1	20.9
12 17	3 4.85	+15 53.1	1.848	2.699	12.7	21.1
12 27	3 1.11	+15 59.1	1.961	2.719	15.6	21.4

368189 2000 SX_{133} 11 17.1 47°.64 7°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.38	+34 14.0	1.045	1.907	20.4	20.3
10 28	3 53.12	+34 30.5	1.010	1.927	15.7	20.1
11 7	3 42.45	+34 17.7	0.993	1.949	10.8	19.9
11 17	3 30.16	+33 34.2	0.999	1.972	7.3	19.8
11 27	3 18.55	+32 25.6	1.028	1.995	8.0	19.9
12 7	3 9.54	+31 3.9	1.081	2.018	11.9	20.2
12 17	3 4.25	+29 41.8	1.156	2.042	16.1	20.5
12 27	3 3.06	+28 29.8	1.250	2.066	19.7	20.9

473015 2015 HV_{44} 11 17.1 142°.86 3°.4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.23	+11 34.8	1.798	2.673	12.5	21.7
10 28	3 49.08	+10 46.3	1.746	2.683	8.8	21.5
11 7	3 40.07	+ 9 58.1	1.719	2.692	5.1	21.3
11 17	3 30.15	+ 9 14.5	1.721	2.700	3.5	21.2
11 27	3 20.45	+ 8 40.4	1.751	2.709	6.3	21.4
12 7	3 12.02	+ 8 19.1	1.810	2.716	10.0	21.6
12 17	3 5.64	+ 8 12.6	1.893	2.723	13.4	21.8
12 27	3 1.79	+ 8 20.9	1.996	2.729	16.1	22.1

340889 2007 CL_{53} 11 17.1 170°.00 3°.1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.87	+28 14.8	1.870	2.716	13.4	21.4
10 28	3 51.19	+28 21.4	1.802	2.719	9.9	21.2
11 7	3 41.29	+28 14.1	1.759	2.722	6.1	21.0
11 17	3 30.16	+27 52.4	1.743	2.724	3.2	20.8
11 27	3 19.12	+27 18.6	1.757	2.726	4.9	20.9
12 7	3 9.43	+26 37.8	1.799	2.727	8.6	21.1
12 17	3 2.03	+25 56.0	1.867	2.728	12.1	21.4
12 27	2 57.50	+25 19.1	1.958	2.728	15.2	21.6

295079 2008 ED_{135} 11 17.1 332°.07 1°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.07	+15 56.3	1.919	2.794	11.8	21.0
10 28	3 46.96	+15 33.0	1.854	2.793	8.2	20.7
11 7	3 39.05	+15 6.5	1.815	2.792	4.3	20.5
11 17	3 30.16	+14 39.4	1.804	2.791	1.5	20.3
11 27	3 21.33	+14 15.3	1.822	2.790	4.9	20.5
12 7	3 13.59	+13 57.6	1.868	2.789	8.8	20.8
12 17	3 7.72	+13 49.1	1.939	2.788	12.3	21.0
12 27	3 4.24	+13 51.5	2.031	2.787	15.2	21.2

519833 2013 JN_{67} 11 17.1 51°.52 3°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.77	+13 45.7	1.978	2.857	11.3	21.1
10 28	3 45.16	+12 24.2	1.928	2.867	7.9	20.9
11 7	3 38.03	+11 0.6	1.904	2.878	4.4	20.7
11 17	3 30.17	+ 9 40.4	1.908	2.889	3.2	20.6
11 27	3 22.53	+ 8 29.4	1.943	2.899	5.8	20.8
12 7	3 15.97	+ 7 32.5	2.005	2.910	9.2	21.0
12 17	3 11.13	+ 6 52.3	2.092	2.922	12.3	21.3
12 27	3 8.45	+ 6 29.6	2.200	2.933	14.8	21.5

27487 2000 GU_{96} 11 17.1 317°.74 1°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.45	+21 40.1	1.701	2.570	13.4	18.0
10 28	3 49.74	+22 5.9	1.629	2.562	9.6	17.7
11 7	3 40.67	+22 24.9	1.580	2.554	5.2	17.5
11 17	3 30.19	+22 36.2	1.559	2.547	1.4	17.2
11 27	3 19.60	+22 41.1	1.566	2.539	4.7	17.4
12 7	3 10.22	+22 42.5	1.601	2.532	9.2	17.7
12 17	3 3.10	+22 44.3	1.661	2.526	13.2	17.9
12 27	2 58.93	+22 50.3	1.742	2.519	16.5	18.1

293533 2007 GX_{65} 11 17.1 149°.05 2°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.97	+10 58.4	2.527	3.394	9.6	20.3
10 28	3 46.51	+10 47.5	2.466	3.399	6.8	20.1
11 7	3 38.70	+10 38.0	2.432	3.404	3.8	19.9
11 17	3 30.19	+10 31.7	2.428	3.409	2.4	19.9
11 27	3 21.76	+10 30.7	2.455	3.414	4.6	20.0
12 7	3 14.16	+10 36.6	2.511	3.419	7.5	20.2
12 17	3 8.01	+10 50.4	2.594	3.423	10.2	20.4
12 27	3 3.73	+11 12.5	2.700	3.427	12.5	20.6

520108 2014 AE_{42} 11 17.1 183°.78 5°.2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.28	+34 29.5	1.797	2.626	14.6	21.5
10 28	3 50.98	+34 31.0	1.726	2.626	11.3	21.3
11 7	3 41.26	+34 12.3	1.679	2.626	7.9	21.1
11 17	3 30.21	+33 32.0	1.657	2.626	5.4	20.9
11 27	3 19.28	+32 32.9	1.664	2.625	6.1	21.0
12 7	3 9.84	+31 21.5	1.698	2.624	9.1	21.2
12 17	3 2.89	+30 6.1	1.758	2.623	12.5	21.4
12 27	2 59.03	+28 55.0	1.841	2.622	15.6	21.6

518293 2017 BU_{2} 11 17.1 341°.60 8°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.80	− 1 3.2	1.514	2.387	14.5	19.9
10 28	3 47.80	− 1 31.3	1.456	2.378	11.4	19.7
11 7	3 39.62	− 1 44.4	1.421	2.369	9.0	19.5
11 17	3 30.20	− 1 37.0	1.410	2.362	8.5	19.5
11 27	3 20.82	− 1 5.6	1.426	2.355	10.4	19.6
12 7	3 12.71	− 0 10.4	1.465	2.349	13.5	19.8
12 17	3 6.80	+ 1 5.6	1.527	2.343	16.7	20.0
12 27	3 3.71	+ 2 38.1	1.607	2.339	19.5	20.2

172346 2002 VK_{106} 11 17.1 340°.58 1°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 52.84	+24 39.8	1.584	2.456	14.0	19.1
10 28	3 47.24	+24 15.1	1.515	2.449	10.1	18.9
11 7	3 39.36	+23 37.1	1.470	2.444	5.6	18.6
11 17	3 30.20	+22 47.7	1.451	2.438	1.6	18.3
11 27	3 21.10	+21 51.5	1.459	2.433	4.8	18.6
12 7	3 13.33	+20 55.2	1.494	2.429	9.4	18.8
12 17	3 7.88	+20 5.1	1.554	2.426	13.5	19.1
12 27	3 5.34	+19 26.4	1.634	2.422	17.0	19.3

82818 2001 QM_{38} 11 17.1 63°.75 4°.3/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.24	+29 35.4	1.373	2.232	16.6	19.2
10 28	3 51.85	+29 49.2	1.326	2.247	12.3	19.0
11 7	3 41.73	+29 44.3	1.300	2.263	7.8	18.8
11 17	3 30.22	+29 19.8	1.299	2.279	4.5	18.6
11 27	3 19.05	+28 39.2	1.325	2.294	6.0	18.8
12 7	3 9.78	+27 49.9	1.377	2.310	10.1	19.1
12 17	3 3.48	+27 0.2	1.453	2.326	14.1	19.3
12 27	3 0.65	+26 17.2	1.549	2.343	17.5	19.6

481625 2007 UA_{95} 11 17.1 298°.80 1°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.02	+22 45.4	1.732	2.601	13.2	21.5
10 28	3 48.63	+22 40.5	1.662	2.595	9.4	21.3
11 7	3 40.04	+22 26.1	1.616	2.590	5.1	21.0
11 17	3 30.21	+22 3.0	1.597	2.585	1.2	20.8
11 27	3 20.38	+21 34.3	1.607	2.580	4.6	21.0
12 7	3 11.79	+21 4.6	1.644	2.576	8.9	21.2
12 17	3 5.40	+20 38.8	1.706	2.571	12.9	21.5
12 27	3 1.80	+20 21.1	1.790	2.566	16.2	21.7

437917 2002 GO_{156} 11 17.1 112°.03 2°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.01	+11 24.2	2.135	3.002	11.1	21.9
10 28	3 48.61	+10 46.1	2.093	3.027	7.7	21.8
11 7	3 39.74	+10 9.0	2.078	3.050	4.4	21.6
11 17	3 30.22	+ 9 36.1	2.093	3.073	3.0	21.5
11 27	3 20.99	+ 9 10.8	2.138	3.095	5.4	21.7
12 7	3 12.90	+ 8 55.8	2.212	3.116	8.5	22.0
12 17	3 6.61	+ 8 52.3	2.312	3.137	11.4	22.2
12 27	3 2.48	+ 9 0.6	2.434	3.157	13.8	22.4

520402 2014 JY_{74} 11 17.1 282°.35 3°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.55	+26 38.0	1.708	2.564	14.0	21.1
10 28	3 50.68	+27 3.9	1.627	2.550	10.3	20.8
11 7	3 41.25	+27 17.9	1.570	2.536	6.3	20.6
11 17	3 30.23	+27 18.4	1.539	2.522	3.3	20.4
11 27	3 18.99	+27 6.4	1.537	2.507	5.3	20.5
12 7	3 8.98	+26 45.9	1.563	2.493	9.4	20.7
12 17	3 1.35	+26 22.4	1.613	2.479	13.4	20.9
12 27	2 56.86	+26 2.0	1.684	2.465	16.9	21.1

188672 2005 SK_{151} 11 17.1 121°.60 1°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.96	+17 16.6	2.077	2.948	11.2	20.9
10 28	3 46.76	+16 48.7	2.016	2.953	7.8	20.7
11 7	3 38.92	+16 16.6	1.980	2.957	4.0	20.5
11 17	3 30.21	+15 42.8	1.973	2.961	1.1	20.3
11 27	3 21.63	+15 10.9	1.996	2.965	4.4	20.5
12 7	3 14.08	+14 44.5	2.048	2.969	8.1	20.8
12 17	3 8.29	+14 26.4	2.125	2.973	11.4	21.0
12 27	3 4.74	+14 18.7	2.224	2.977	14.1	21.2

305901 2009 FQ_{34} 11 17.1 11°.35 4°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.88	+ 9 55.2	1.685	2.567	12.8	20.8
10 28	3 46.95	+ 9 8.7	1.629	2.568	9.1	20.6
11 7	3 39.09	+ 8 24.2	1.597	2.569	5.5	20.4
11 17	3 30.22	+ 7 46.6	1.593	2.570	4.3	20.3
11 27	3 21.46	+ 7 20.5	1.616	2.571	7.0	20.5
12 7	3 13.92	+ 7 9.2	1.665	2.573	10.6	20.7
12 17	3 8.40	+ 7 14.0	1.738	2.574	14.1	21.0
12 27	3 5.43	+ 7 34.7	1.831	2.576	17.0	21.2

434435 2005 NF_{17} 11 17.1 115°.73 1°.3/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.13	+17 16.0	1.649	2.522	13.5	22.1
10 28	3 50.53	+16 46.6	1.601	2.538	9.4	21.9
11 7	3 40.88	+16 12.3	1.577	2.554	4.8	21.6
11 17	3 30.24	+15 36.1	1.581	2.569	1.3	21.4
11 27	3 19.90	+15 2.6	1.614	2.583	5.2	21.7
12 7	3 11.04	+14 36.0	1.675	2.597	9.5	22.0
12 17	3 4.50	+14 19.8	1.761	2.611	13.3	22.3
12 27	3 0.75	+14 15.9	1.867	2.624	16.3	22.5

403675 2010 UM_{25} 11 17.1 30°.68 1°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.03	+16 43.1	1.780	2.658	12.4	20.5
10 28	3 47.01	+16 27.1	1.724	2.664	8.6	20.3
11 7	3 39.11	+16 7.4	1.693	2.670	4.4	20.1
11 17	3 30.23	+15 46.5	1.689	2.677	1.2	19.8
11 27	3 21.48	+15 27.8	1.714	2.684	4.8	20.1
12 7	3 13.93	+15 14.8	1.766	2.692	8.9	20.4
12 17	3 8.38	+15 10.0	1.843	2.699	12.5	20.6
12 27	3 5.34	+15 15.3	1.942	2.708	15.5	20.9

305747 2009 DF_2 11 17.1 135°.47 1°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.55	+23 55.4	1.915	2.776	12.5	21.2
10 28	3 48.75	+23 46.1	1.852	2.780	8.9	21.0
11 7	3 40.01	+23 26.7	1.813	2.785	4.9	20.7
11 17	3 30.24	+22 58.4	1.803	2.790	1.4	20.5
11 27	3 20.58	+22 24.1	1.821	2.794	4.2	20.7
12 7	3 12.14	+21 48.5	1.868	2.798	8.2	21.0
12 17	3 5.75	+21 16.4	1.942	2.802	11.7	21.2
12 27	3 1.94	+20 51.6	2.037	2.806	14.7	21.4

86116 1999 RR_{133} 11 17.1 29°.75 4°.8/20.2 18

10 18	3 54.22	+33 34.5	1.749	2.589	14.5	18.8
10 28	3 48.07	+33 31.0	1.690	2.597	11.1	18.6
11 7	3 39.72	+33 8.0	1.653	2.605	7.6	18.4
11 17	3 30.24	+32 25.4	1.642	2.614	5.0	18.3
11 27	3 20.96	+31 26.5	1.659	2.623	5.7	18.4
12 7	3 13.14	+30 18.1	1.703	2.633	8.8	18.6
12 17	3 7.67	+29 7.7	1.772	2.643	12.1	18.8
12 27	3 5.06	+28 2.5	1.863	2.654	15.1	19.0

191558 2003 WO_{65} 11 17.1 74°.69 2°.1/16.1 18

10 18	3 55.34	+11 51.0	2.232	3.099	10.7	19.5
10 28	3 48.20	+11 57.6	2.187	3.120	7.4	19.3
11 7	3 39.59	+12 5.3	2.168	3.141	4.0	19.1
11 17	3 30.26	+12 15.5	2.178	3.162	2.1	19.0
11 27	3 21.14	+12 29.7	2.219	3.183	4.6	19.2
12 7	3 13.07	+12 49.0	2.290	3.204	7.8	19.5
12 17	3 6.69	+13 14.2	2.387	3.224	10.7	19.7
12 27	3 2.43	+13 45.9	2.507	3.245	13.1	19.9

377261 2004 CK_{108} 11 17.1 337°.89 1°.7/17.6 18

10 18	3 55.61	+21 9.4	1.077	1.970	17.5	20.2
10 28	3 50.14	+21 41.7	1.012	1.957	12.6	19.8
11 7	3 41.30	+22 5.9	0.967	1.944	6.9	19.5
11 17	3 30.28	+22 20.6	0.945	1.933	1.7	19.1
11 27	3 19.00	+22 27.1	0.948	1.923	6.3	19.4
12 7	3 9.47	+22 29.8	0.973	1.914	12.3	19.7
12 17	3 3.21	+22 34.2	1.020	1.907	17.6	20.0
12 27	3 1.07	+22 45.4	1.084	1.901	22.0	20.2

20108 1995 QZ_9 11 17.1 65°.98 0°.4/13.6 08 C

10 18	3 32.68	+ 4 41.9	36.986	37.849	0.8	23.6
10 28	3 31.91	+ 4 36.8	36.930	37.853	0.6	23.5
11 7	3 31.07	+ 4 32.2	36.902	37.857	0.4	23.5
11 17	3 30.20	+ 4 28.2	36.903	37.861	0.4	23.5
11 27	3 29.33	+ 4 24.8	36.935	37.866	0.5	23.5
12 7	3 28.49	+ 4 22.3	36.995	37.870	0.7	23.6
12 17	3 27.73	+ 4 20.6	37.083	37.874	0.9	23.6
12 27	3 27.06	+ 4 19.9	37.195	37.878	1.1	23.6

335465 2005 VS_{135} 11 17.1 88°.17 1°.5/17.9 18

10 18	3 57.49	+25 14.2	1.553	2.418	14.7	20.6
10 28	3 50.23	+24 39.6	1.504	2.435	10.4	20.4
11 7	3 40.77	+23 51.2	1.479	2.452	5.7	20.2
11 17	3 30.27	+22 51.5	1.481	2.469	1.6	19.9
11 27	3 20.15	+21 46.3	1.512	2.485	4.8	20.2
12 7	3 11.68	+20 42.8	1.570	2.502	9.2	20.5
12 17	3 5.71	+19 47.4	1.653	2.518	13.2	20.8
12 27	3 2.70	+19 4.8	1.757	2.534	16.4	21.0

357710 2005 QS_{34} 11 17.1 87°.68 3°.0/15.3 18

10 18	3 53.61	+12 5.8	1.995	2.870	11.4	21.3
10 28	3 47.09	+11 20.6	1.953	2.890	8.0	21.1
11 7	3 39.03	+10 35.8	1.936	2.909	4.5	20.9
11 17	3 30.27	+ 9 55.2	1.948	2.928	3.0	20.9
11 27	3 21.76	+ 9 22.9	1.989	2.947	5.6	21.1
12 7	3 14.41	+ 9 1.7	2.058	2.966	8.9	21.3
12 17	3 8.85	+ 8 53.3	2.153	2.985	11.9	21.6
12 27	3 5.51	+ 8 58.0	2.269	3.003	14.4	21.8

223064 2002 TW_{224} 11 17.1 16°.49 0°.4/16.9 18

10 18	3 55.14	+17 46.3	1.003	1.903	17.8	19.4
10 28	3 49.49	+17 57.9	0.959	1.908	12.5	19.2
11 7	3 40.73	+18 4.0	0.935	1.915	6.4	18.9
11 17	3 30.29	+18 6.0	0.935	1.923	0.4	18.5
11 27	3 20.09	+18 7.5	0.958	1.933	6.4	18.9
12 7	3 11.92	+18 12.6	1.004	1.944	12.1	19.3
12 17	3 6.98	+18 25.2	1.072	1.957	17.1	19.6
12 27	3 5.85	+18 47.7	1.157	1.970	21.1	19.9

73318 2002 JR_{87} 11 17.1 126°.48 0°.0/17.1 18

10 18	3 52.53	+20 8.3	2.363	3.227	10.3	20.4
10 28	3 46.34	+19 47.8	2.301	3.234	7.2	20.2
11 7	3 38.69	+19 21.6	2.266	3.241	3.7	20.0
11 17	3 30.28	+18 51.4	2.259	3.248	0.0	19.7
11 27	3 21.99	+18 20.2	2.283	3.255	3.6	20.0
12 7	3 14.64	+17 51.3	2.336	3.261	7.1	20.2
12 17	3 8.86	+17 27.7	2.417	3.267	10.1	20.4
12 27	3 5.12	+17 12.0	2.520	3.273	12.6	20.6

166462 2002 PX_{92} 11 17.1 12°.23 5°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 53.67	+34 27.3	1.422	2.271	16.7	18.7
10 28	3 48.04	+33 50.2	1.361	2.274	12.8	18.5
11 7	3 39.83	+32 47.1	1.321	2.277	8.6	18.3
11 17	3 30.30	+31 19.1	1.306	2.281	5.3	18.1
11 27	3 21.06	+29 32.9	1.317	2.286	6.1	18.2
12 7	3 13.58	+27 39.0	1.355	2.292	9.9	18.4
12 17	3 8.83	+25 49.0	1.417	2.299	13.9	18.7
12 27	3 7.31	+24 12.0	1.501	2.306	17.4	18.9

149857 2005 QT_{52} 11 17.1 35°.25 1°.4/17.6 18

10 18	3 57.08	+22 4.2	1.039	1.930	18.1	18.9
10 28	3 50.62	+22 10.3	1.005	1.949	12.7	18.7
11 7	3 41.19	+22 4.2	0.991	1.968	6.8	18.5
11 17	3 30.32	+21 47.3	1.000	1.989	1.4	18.2
11 27	3 19.96	+21 24.4	1.035	2.010	5.9	18.6
12 7	3 11.79	+21 1.9	1.092	2.032	11.4	18.9
12 17	3 6.86	+20 45.9	1.172	2.056	16.1	19.3
12 27	3 5.60	+20 40.3	1.270	2.079	19.8	19.6

493915 2015 XF_{328} 11 17.1 142°.07 2°.9/15.3 18

10 18	3 52.58	+ 9 36.3	2.517	3.384	9.6	21.4
10 28	3 46.27	+ 9 18.9	2.459	3.391	6.8	21.2
11 7	3 38.63	+ 9 3.6	2.427	3.397	4.1	21.1
11 17	3 30.31	+ 8 52.8	2.425	3.403	2.9	21.0
11 27	3 22.08	+ 8 48.7	2.454	3.409	4.9	21.1
12 7	3 14.69	+ 8 52.9	2.511	3.414	7.7	21.3
12 17	3 8.73	+ 9 6.2	2.596	3.420	10.4	21.5
12 27	3 4.62	+ 9 28.8	2.702	3.425	12.6	21.7

410661 2008 SE_{151} 11 17.1 81°.32 8°.0/10.2 18

10 18	3 51.63	− 5 23.7	2.402	3.247	10.9	20.8
10 28	3 45.47	− 7 11.4	2.384	3.275	9.1	20.8
11 7	3 38.13	− 8 45.1	2.393	3.303	8.0	20.8
11 17	3 30.31	− 9 59.1	2.430	3.330	8.3	20.8
11 27	3 22.75	−10 49.8	2.494	3.357	9.5	20.9
12 7	3 16.15	−11 16.3	2.584	3.384	11.2	21.1
12 17	3 11.01	−11 20.0	2.695	3.410	12.8	21.3
12 27	3 7.68	−11 3.8	2.824	3.436	14.2	21.4

22270 1981 EQ_{30} 11 17.1 69°.37 6°.7/20.5 18

10 18	4 3.50	+35 35.1	1.611	2.435	16.2	17.8
10 28	3 54.65	+36 21.8	1.571	2.465	12.7	17.7
11 7	3 43.15	+36 46.1	1.555	2.494	9.2	17.6
11 17	3 30.36	+36 45.2	1.564	2.523	6.9	17.5
11 27	3 17.99	+36 20.7	1.600	2.552	7.3	17.6
12 7	3 7.59	+35 39.2	1.663	2.581	9.9	17.8
12 17	3 0.16	+34 49.4	1.751	2.609	12.9	18.1
12 27	2 56.17	+33 59.8	1.860	2.638	15.6	18.3

305133 2007 VJ_{148} 11 17.1 41°.76 3°.5/15.5 18

10 18	3 54.52	+10 32.4	1.703	2.583	12.8	20.2
10 28	3 48.11	+10 8.9	1.648	2.586	9.1	20.0
11 7	3 39.74	+ 9 47.6	1.617	2.589	5.3	19.7
11 17	3 30.34	+ 9 31.9	1.613	2.593	3.6	19.6
11 27	3 21.06	+ 9 25.3	1.637	2.597	6.3	19.8
12 7	3 13.01	+ 9 30.4	1.688	2.601	10.2	20.1
12 17	3 7.02	+ 9 48.0	1.763	2.605	13.7	20.3
12 27	3 3.63	+10 18.1	1.859	2.609	16.6	20.5

98484 2000 UK_{103} 11 17.1 162°.82 3°.3/18.7 18

10 18	3 59.81	+27 51.2	1.536	2.392	15.3	19.2
10 28	3 52.23	+27 53.4	1.473	2.396	11.3	18.9
11 7	3 42.02	+27 39.7	1.432	2.398	6.8	18.7
11 17	3 30.36	+27 9.5	1.418	2.401	3.4	18.5
11 27	3 18.82	+26 26.1	1.432	2.403	5.4	18.6
12 7	3 8.90	+25 36.1	1.473	2.405	9.7	18.9
12 17	3 1.71	+24 46.9	1.538	2.406	13.9	19.1
12 27	2 57.83	+24 5.4	1.625	2.407	17.3	19.4

121843 2000 CQ_6 11 17.1 207°.37 7°.3/24.0 17

10 18	3 57.96	+47 5.3	2.650	3.393	12.7	19.7
10 28	3 50.41	+47 5.7	2.568	3.390	10.9	19.6
11 7	3 40.89	+46 44.1	2.507	3.386	9.0	19.5
11 17	3 30.35	+45 58.3	2.472	3.382	7.6	19.4
11 27	3 19.98	+44 49.4	2.464	3.378	7.4	19.3
12 7	3 10.92	+43 22.1	2.484	3.374	8.4	19.4
12 17	3 3.98	+41 43.3	2.532	3.370	10.1	19.5
12 27	2 59.67	+40 1.0	2.605	3.365	12.1	19.6

152978 2000 GJ_{147} 11 17.1 89°.17 6°.0/18.6 16 R

10 18	5 56.44	−25 26.7	0.278	1.109	59.3	19.2
10 28	5 18.31	−16 43.5	0.241	1.148	45.4	18.5
11 7	4 27.06	− 3 54.2	0.221	1.185	25.9	17.9
11 17	3 30.80	+10 31.0	0.235	1.221	6.8	17.4
11 27	2 43.65	+21 44.2	0.283	1.255	16.0	18.2
12 7	2 12.93	+28 42.3	0.355	1.287	27.3	19.1
12 17	1 57.40	+32 57.0	0.442	1.316	34.5	19.9
12 27	1 53.41	+35 48.3	0.538	1.342	38.9	20.4

407063 2009 SB_{165} 11 17.1 39°.61 1°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 52.43	+16 24.8	1.843	2.720	12.1	20.8
10 28	3 46.53	+16 0.6	1.791	2.731	8.4	20.6
11 7	3 38.88	+15 33.1	1.765	2.742	4.3	20.4
11 17	3 30.34	+15 5.1	1.766	2.753	1.4	20.2
11 27	3 21.99	+14 40.1	1.796	2.765	4.8	20.5
12 7	3 14.80	+14 21.7	1.854	2.777	8.7	20.7
12 17	3 9.53	+14 12.5	1.936	2.790	12.1	21.0
12 27	3 6.64	+14 14.0	2.040	2.802	14.9	21.2

92267 2000 BK_{26} 11 17.1 344°.01 4°.1/15.2 17

10 18	3 49.86	+10 38.5	1.479	2.372	13.6	18.3
10 28	3 45.24	+10 3.0	1.413	2.357	9.7	18.0
11 7	3 38.43	+ 9 29.1	1.369	2.343	5.8	17.8
11 17	3 30.34	+ 9 1.5	1.351	2.331	4.2	17.7
11 27	3 22.19	+ 8 45.3	1.358	2.319	7.2	17.8
12 7	3 15.24	+ 8 44.0	1.391	2.309	11.4	18.0
12 17	3 10.44	+ 8 59.2	1.446	2.300	15.4	18.3
12 27	3 8.43	+ 9 30.7	1.520	2.293	18.7	18.5

451604 2012 DM_{10} 11 17.1 29°.46 6°.3/13.5 18

10 18	3 51.62	+ 2 22.1	1.949	2.821	11.8	20.9
10 28	3 45.87	+ 1 30.3	1.899	2.823	9.0	20.8
11 7	3 38.52	+ 0 47.1	1.873	2.826	6.8	20.6
11 17	3 30.34	+ 0 17.2	1.875	2.829	6.4	20.6
11 27	3 22.30	+ 0 4.7	1.904	2.833	8.2	20.7
12 7	3 15.28	+ 0 10.9	1.959	2.836	10.9	20.9
12 17	3 9.99	+ 0 35.4	2.037	2.840	13.6	21.1
12 27	3 6.89	+ 1 16.2	2.136	2.844	15.9	21.3

253005 2002 RA_{47} 11 17.1 104°.76 5°.7/20.4 18

10 18	4 0.93	+35 23.0	2.023	2.838	13.7	20.4
10 28	3 52.62	+35 58.3	1.968	2.856	10.8	20.2
11 7	3 42.08	+36 15.4	1.937	2.875	7.8	20.1
11 17	3 30.38	+36 12.1	1.934	2.893	5.8	20.0
11 27	3 18.87	+35 49.6	1.959	2.910	6.2	20.1
12 7	3 8.82	+35 12.5	2.012	2.928	8.6	20.2
12 17	3 1.15	+34 27.6	2.091	2.944	11.3	20.4
12 27	2 56.41	+33 41.9	2.193	2.961	13.9	20.7

6215 Mehdia 11 17.1 260°.11 0°.6/16.8 18

10 18	3 53.88	+19 1.2	1.892	2.764	12.1	17.7
10 28	3 47.68	+18 34.5	1.820	2.757	8.5	17.5
11 7	3 39.56	+18 1.2	1.774	2.750	4.4	17.2
11 17	3 30.36	+17 23.9	1.755	2.744	0.6	16.9
11 27	3 21.17	+16 46.3	1.766	2.737	4.6	17.2
12 7	3 13.08	+16 13.0	1.804	2.730	8.7	17.5
12 17	3 6.93	+15 47.9	1.868	2.723	12.4	17.7
12 27	3 3.28	+15 33.8	1.954	2.716	15.5	17.9

23576 1995 DZ_{3} 11 17.1 55°.64 8°.5/23.6 18

10 18	4 0.04	+44 55.8	1.976	2.749	15.5	17.3
10 28	3 52.15	+45 26.0	1.931	2.775	13.0	17.2
11 7	3 41.85	+45 30.5	1.906	2.801	10.6	17.1
11 17	3 30.38	+45 6.8	1.906	2.827	8.9	17.1
11 27	3 19.30	+44 16.5	1.932	2.854	8.6	17.1
12 7	3 10.00	+43 6.0	1.984	2.880	9.8	17.2
12 17	3 3.40	+41 43.9	2.061	2.906	11.8	17.4
12 27	2 59.96	+40 19.4	2.161	2.933	13.9	17.6

321039 2008 QB_{10} 11 17.1 114°.76 5°.1/12.9 18

10 18	3 50.60	+ 2 19.7	2.664	3.525	9.4	21.6
10 28	3 44.77	+ 1 16.2	2.624	3.542	7.1	21.5
11 7	3 37.82	+ 0 19.4	2.610	3.558	5.5	21.4
11 17	3 30.35	− 0 26.9	2.627	3.574	5.3	21.4
11 27	3 23.05	− 0 59.3	2.672	3.590	6.7	21.5
12 7	3 16.56	− 1 16.4	2.745	3.605	8.8	21.7
12 17	3 11.38	− 1 17.9	2.843	3.620	10.8	21.8
12 27	3 7.86	− 1 4.9	2.962	3.635	12.5	22.0

321750 2010 NE_{18} 11 17.1 91°.43 1°.1/16.4 18

10 18	3 53.16	+17 52.2	1.970	2.843	11.7	21.2
10 28	3 46.95	+17 10.6	1.915	2.853	8.1	21.0
11 7	3 39.07	+16 23.9	1.886	2.862	4.1	20.7
11 17	3 30.36	+15 35.4	1.884	2.872	1.2	20.5
11 27	3 21.84	+14 49.4	1.913	2.882	4.6	20.8
12 7	3 14.45	+14 10.2	1.970	2.891	8.4	21.1
12 17	3 8.91	+13 41.3	2.052	2.901	11.7	21.3
12 27	3 5.66	+13 24.6	2.156	2.910	14.5	21.5

51794 2001 MC_{26} 11 17.1 106°.05 6°.4/13.2 18

10 18	3 53.69	+ 1 58.5	2.002	2.868	11.8	18.8
10 28	3 47.15	+ 0 54.2	1.964	2.884	9.0	18.7
11 7	3 39.11	− 0 0.9	1.951	2.901	6.8	18.6
11 17	3 30.37	− 0 42.0	1.967	2.917	6.6	18.6
11 27	3 21.88	− 1 5.0	2.010	2.932	8.3	18.7
12 7	3 14.50	− 1 8.5	2.080	2.948	10.8	18.9
12 17	3 8.89	− 0 53.2	2.173	2.963	13.3	19.1
12 27	3 5.43	− 0 21.2	2.286	2.977	15.4	19.3

84659 2002 VO_{78} 11 17.1 348°.05 2°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.98	+12 34.4	1.291	2.179	15.5	18.7
10 28	3 50.43	+12 31.4	1.233	2.176	10.9	18.4
11 7	3 41.19	+12 29.8	1.196	2.173	6.0	18.1
11 17	3 30.39	+12 32.1	1.185	2.171	2.9	18.0
11 27	3 19.63	+12 41.7	1.201	2.169	6.8	18.2
12 7	3 10.43	+13 1.0	1.241	2.167	11.8	18.5
12 17	3 3.95	+13 31.5	1.304	2.166	16.2	18.7
12 27	3 0.84	+14 13.4	1.386	2.166	19.9	19.0

33824 2000 DG_{31} 11 17.1 176°.37 1°.0/17.7 18

10 18	3 57.71	+23 8.6	1.802	2.663	13.1	20.4
10 28	3 50.41	+22 51.9	1.735	2.665	9.3	20.1
11 7	3 40.98	+22 24.7	1.694	2.667	5.0	19.9
11 17	3 30.40	+21 48.6	1.680	2.668	1.1	19.6
11 27	3 19.92	+21 7.2	1.696	2.668	4.4	19.9
12 7	3 10.75	+20 25.5	1.740	2.668	8.8	20.1
12 17	3 3.79	+19 49.0	1.809	2.668	12.6	20.4
12 27	2 59.61	+19 21.8	1.901	2.666	15.8	20.6

97172 1999 VM_{195} 11 17.1 29°.19 0°.4/16.9 18

10 18	3 55.27	+18 29.5	1.343	2.229	15.2	18.9
10 28	3 49.04	+18 25.1	1.295	2.237	10.6	18.7
11 7	3 40.36	+18 14.6	1.269	2.247	5.4	18.4
11 17	3 30.39	+18 0.1	1.269	2.258	0.4	18.1
11 27	3 20.65	+17 45.3	1.295	2.269	5.4	18.5
12 7	3 12.53	+17 34.6	1.347	2.280	10.3	18.8
12 17	3 7.02	+17 31.7	1.423	2.293	14.6	19.1
12 27	3 4.65	+17 39.1	1.517	2.306	18.1	19.4

406298 2007 FT_{49} 11 17.1 236°.41 0°.4/17.4 17

10 18	3 53.36	+20 54.3	2.345	3.206	10.5	21.3
10 28	3 47.09	+20 49.2	2.269	3.200	7.4	21.1
11 7	3 39.20	+20 38.1	2.219	3.193	3.9	20.9
11 17	3 30.39	+20 22.0	2.198	3.186	0.4	20.6
11 27	3 21.56	+20 3.0	2.207	3.179	3.6	20.9
12 7	3 13.61	+19 44.1	2.246	3.172	7.2	21.1
12 17	3 7.27	+19 28.5	2.311	3.165	10.4	21.3
12 27	3 3.05	+19 19.0	2.400	3.157	13.1	21.5

31176 1997 XL_{9} 11 17.1 317°.09 3°.3/15.9 18

10 18	3 55.62	+11 51.6	1.428	2.313	14.4	17.4
10 28	3 49.36	+11 36.9	1.361	2.303	10.2	17.1
11 7	3 40.62	+11 23.4	1.318	2.293	5.8	16.9
11 17	3 30.40	+11 14.6	1.300	2.284	3.3	16.7
11 27	3 20.13	+11 14.2	1.310	2.275	6.8	16.9
12 7	3 11.20	+11 25.3	1.345	2.267	11.4	17.1
12 17	3 4.72	+11 49.3	1.403	2.258	15.7	17.4
12 27	3 1.36	+12 26.6	1.480	2.251	19.3	17.6

485478 2011 SY_{70} 11 17.1 22°.09 8°.5/20.9 17

10 18	3 58.05	+37 3.0	1.327	2.166	18.2	20.3
10 28	3 51.59	+38 4.1	1.277	2.175	14.7	20.1
11 7	3 41.91	+38 39.9	1.247	2.185	11.1	20.0
11 17	3 30.42	+38 45.5	1.240	2.196	8.8	19.9
11 27	3 19.06	+38 21.4	1.257	2.208	9.1	19.9
12 7	3 9.71	+37 34.7	1.299	2.221	11.7	20.1
12 17	3 3.65	+36 35.6	1.363	2.235	15.0	20.4
12 27	3 1.49	+35 34.8	1.446	2.250	18.0	20.6

145680 3002 $T\text{-}_{2}$ 11 17.1 10°.15 4°.8/18.9 18

10 18	3 54.82	+28 25.0	1.292	2.163	16.6	18.5
10 28	3 49.14	+29 9.5	1.239	2.167	12.5	18.3
11 7	3 40.60	+29 37.9	1.207	2.171	8.0	18.1
11 17	3 30.41	+29 47.5	1.198	2.177	4.9	17.9
11 27	3 20.28	+29 39.6	1.215	2.185	6.5	18.0
12 7	3 11.88	+29 19.5	1.257	2.194	10.6	18.3
12 17	3 6.40	+28 54.5	1.322	2.204	14.7	18.5
12 27	3 4.47	+28 31.5	1.406	2.215	18.2	18.8

443068 2013 GJ_{4} 11 17.1 342°.80 2°.4/15.8 18

10 18	3 52.20	+15 14.6	1.589	2.474	13.3	20.3
10 28	3 46.71	+14 29.6	1.526	2.469	9.3	20.1
11 7	3 39.13	+13 40.7	1.487	2.464	4.9	19.8
11 17	3 30.40	+12 52.2	1.474	2.460	2.4	19.7
11 27	3 21.72	+12 9.7	1.489	2.456	6.0	19.9
12 7	3 14.29	+11 38.2	1.531	2.452	10.3	20.1
12 17	3 9.00	+11 20.9	1.595	2.450	14.2	20.4
12 27	3 6.42	+11 19.3	1.680	2.447	17.5	20.6

254496 2005 EG_{50} 11 17.1 268°.39 3°.4/15.6 18

10 18	3 56.34	+13 18.4	1.380	2.266	14.8	20.2
10 28	3 49.87	+12 33.5	1.316	2.259	10.5	19.9
11 7	3 40.87	+11 46.2	1.275	2.251	5.8	19.7
11 17	3 30.42	+11 1.7	1.261	2.244	3.5	19.5
11 27	3 19.98	+10 26.2	1.273	2.237	7.2	19.7
12 7	3 11.01	+10 4.7	1.310	2.229	11.9	19.9
12 17	3 4.59	+10 0.2	1.370	2.222	16.3	20.2
12 27	3 1.36	+10 13.6	1.449	2.214	19.8	20.4

497013 2003 DT_{10} 11 17.1 254°.32 17°.8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 14.47	+50 55.4	1.192	1.960	24.0	20.9
10 28	4 5.70	+53 24.7	1.131	1.954	21.6	20.7
11 7	3 50.54	+55 18.7	1.087	1.948	19.4	20.5
11 17	3 30.53	+56 19.5	1.061	1.941	18.0	20.4
11 27	3 9.35	+56 17.0	1.054	1.935	17.9	20.4
12 7	2 51.37	+55 16.6	1.066	1.929	19.1	20.4
12 17	2 39.59	+53 35.9	1.097	1.922	21.3	20.6
12 27	2 35.07	+51 36.8	1.143	1.915	23.8	20.7

413810 2006 KZ_{68} 11 17.1 232°.19 4°.7/13.9 17

10 18	3 51.20	+ 3 22.0	2.595	3.457	9.6	21.1
10 28	3 45.36	+ 2 51.4	2.529	3.451	7.2	20.9
11 7	3 38.23	+ 2 26.8	2.490	3.445	5.2	20.8
11 17	3 30.40	+ 2 11.3	2.479	3.438	4.8	20.8
11 27	3 22.59	+ 2 7.4	2.499	3.431	6.3	20.9
12 7	3 15.52	+ 2 16.5	2.546	3.424	8.7	21.0
12 17	3 9.78	+ 2 38.8	2.618	3.417	11.0	21.1
12 27	3 5.79	+ 3 13.3	2.713	3.410	13.1	21.3

159984 2006 CR_{4} 11 17.1 170°.14 4°.8/13.6 18

10 18	3 50.91	+ 3 6.6	2.650	3.512	9.4	20.9
10 28	3 45.09	+ 2 23.6	2.593	3.514	7.1	20.7
11 7	3 38.05	+ 1 46.5	2.564	3.516	5.2	20.6
11 17	3 30.40	+ 1 18.7	2.563	3.518	4.9	20.6
11 27	3 22.82	+ 1 3.0	2.592	3.520	6.4	20.7
12 7	3 16.01	+ 1 1.0	2.649	3.521	8.6	20.8
12 17	3 10.50	+ 1 12.8	2.731	3.522	10.8	21.0
12 27	3 6.70	+ 1 37.7	2.835	3.523	12.8	21.2

208002 1998 MT_{43} 11 17.1 189°.80 6°.0/13.9 18

10 18	3 55.24	+ 2 0.1	2.063	2.925	11.7	20.5
10 28	3 48.37	+ 1 23.4	2.004	2.924	8.9	20.3
11 7	3 39.84	+ 0 55.1	1.971	2.923	6.6	20.2
11 17	3 30.42	+ 0 39.5	1.966	2.921	6.1	20.2
11 27	3 21.09	+ 0 39.9	1.989	2.919	7.9	20.3
12 7	3 12.77	+ 0 57.3	2.040	2.916	10.6	20.4
12 17	3 6.20	+ 1 31.1	2.115	2.913	13.3	20.6
12 27	3 1.87	+ 2 19.6	2.211	2.910	15.7	20.8

86430 2000 BV_{31} 11 17.1 348°.50 5°.3/19.6 18

10 18	3 56.99	+31 27.3	1.305	2.165	17.2	18.8
10 28	3 50.77	+31 42.6	1.241	2.161	13.2	18.5
11 7	3 41.50	+31 36.6	1.198	2.158	8.8	18.3
11 17	3 30.44	+31 7.2	1.179	2.156	5.5	18.1
11 27	3 19.40	+30 17.2	1.185	2.154	6.8	18.1
12 7	3 10.16	+29 14.6	1.216	2.152	10.9	18.4
12 17	3 4.00	+28 9.3	1.271	2.151	15.3	18.6
12 27	3 1.59	+27 10.6	1.344	2.151	19.0	18.9

124133 2001 KX_{64} 11 17.1 83°.26 8°.0/11.7 18

10 18	3 50.90	− 6 6.8	2.296	3.142	11.3	19.4
10 28	3 45.17	− 7 6.3	2.257	3.149	9.4	19.3
11 7	3 38.11	− 7 52.0	2.242	3.157	8.2	19.2
11 17	3 30.40	− 8 19.3	2.254	3.165	8.2	19.2
11 27	3 22.85	− 8 25.2	2.293	3.173	9.5	19.3
12 7	3 16.21	− 8 9.5	2.356	3.181	11.3	19.5
12 17	3 11.05	− 7 33.7	2.442	3.189	13.2	19.6
12 27	3 7.79	− 6 40.8	2.547	3.197	14.8	19.8

220178 2002 UJ_{7} 11 17.1 67°.81 5°.6/14.9 18

10 18	3 57.39	+ 7 37.7	1.316	2.201	15.4	19.7
10 28	3 50.28	+ 6 54.3	1.280	2.218	11.1	19.5
11 7	3 40.89	+ 6 17.5	1.267	2.236	7.1	19.3
11 17	3 30.43	+ 5 52.8	1.279	2.254	5.7	19.3
11 27	3 20.39	+ 5 44.8	1.318	2.271	8.5	19.5
12 7	3 12.06	+ 5 55.4	1.382	2.289	12.4	19.7
12 17	3 6.32	+ 6 23.9	1.468	2.307	16.1	20.0
12 27	3 3.62	+ 7 8.2	1.572	2.324	19.1	20.3

260113 2004 PP_{13} 11 17.1 57°.74 3°.2/15.5 18

10 18	3 53.95	+11 26.7	1.794	2.673	12.3	20.0
10 28	3 47.47	+10 53.2	1.758	2.696	8.6	19.9
11 7	3 39.32	+10 21.2	1.747	2.720	4.9	19.7
11 17	3 30.42	+ 9 54.4	1.764	2.744	3.3	19.6
11 27	3 21.84	+ 9 36.3	1.809	2.769	5.9	19.9
12 7	3 14.53	+ 9 29.5	1.881	2.793	9.3	20.1
12 17	3 9.18	+ 9 35.0	1.978	2.817	12.5	20.4
12 27	3 6.20	+ 9 52.7	2.096	2.841	15.1	20.6

325736 2009 VM_{72} 11 17.1 306°.20 2°.0/16.1 17

10 18	3 53.50	+12 55.7	2.145	3.017	10.9	20.1
10 28	3 47.24	+12 53.3	2.076	3.012	7.6	19.9
11 7	3 39.30	+12 51.1	2.032	3.007	4.1	19.7
11 17	3 30.42	+12 50.9	2.017	3.002	2.0	19.5
11 27	3 21.53	+12 55.0	2.032	2.997	4.7	19.7
12 7	3 13.57	+13 5.1	2.075	2.992	8.3	19.9
12 17	3 7.27	+13 22.5	2.145	2.988	11.5	20.1
12 27	3 3.17	+13 48.3	2.236	2.983	14.2	20.3

44628 1999 RQ_{75} 11 17.1 53°.95 2°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.28	+25 39.7	1.180	2.057	17.4	18.7
10 28	3 51.34	+25 24.8	1.138	2.074	12.5	18.5
11 7	3 41.57	+24 53.2	1.118	2.091	7.0	18.3
11 17	3 30.44	+24 6.8	1.122	2.109	2.4	18.0
11 27	3 19.78	+23 11.7	1.152	2.127	5.6	18.3
12 7	3 11.19	+22 16.4	1.207	2.145	10.8	18.6
12 17	3 5.70	+21 28.6	1.285	2.164	15.3	19.0
12 27	3 3.75	+20 53.8	1.383	2.183	18.9	19.3

478438 2012 HA_{73} 11 17.1 94°.62 3°.4/15.3 16

10 18	3 58.00	+13 25.9	1.512	2.391	14.2	21.8
10 28	3 50.44	+12 18.1	1.475	2.415	9.8	21.6
11 7	3 40.87	+11 9.2	1.464	2.438	5.5	21.4
11 17	3 30.44	+10 5.4	1.479	2.461	3.6	21.3
11 27	3 20.47	+ 9 12.8	1.523	2.483	6.7	21.6
12 7	3 12.13	+ 8 36.0	1.594	2.505	10.8	21.9
12 17	3 6.18	+ 8 17.1	1.688	2.526	14.4	22.2
12 27	3 3.02	+ 8 16.1	1.803	2.546	17.3	22.4

272856 2006 BR_{43} 11 17.1 334°.72 6°.9/21.3 17

10 18	3 55.23	+38 27.9	1.875	2.690	14.7	20.1
10 28	3 49.09	+38 53.6	1.799	2.681	11.9	19.9
11 7	3 40.49	+38 58.3	1.744	2.673	9.1	19.8
11 17	3 30.45	+38 39.0	1.714	2.666	7.2	19.6
11 27	3 20.34	+37 56.7	1.711	2.659	7.4	19.6
12 7	3 11.58	+36 56.5	1.734	2.652	9.5	19.7
12 17	3 5.24	+35 46.1	1.782	2.646	12.5	19.9
12 27	3 1.97	+34 34.2	1.852	2.640	15.3	20.1

185964 2001 FS_{125} 11 17.1 270°.68 0°.4/16.9 18

10 18	3 56.84	+19 38.0	1.465	2.343	14.6	20.9
10 28	3 50.30	+19 15.3	1.392	2.331	10.3	20.6
11 7	3 41.16	+18 43.8	1.342	2.319	5.4	20.3
11 17	3 30.46	+18 5.9	1.318	2.306	0.4	19.9
11 27	3 19.67	+17 26.3	1.321	2.294	5.5	20.3
12 7	3 10.27	+16 50.9	1.352	2.281	10.6	20.5
12 17	3 3.40	+16 25.1	1.405	2.269	15.2	20.8
12 27	2 59.77	+16 12.7	1.478	2.256	19.0	21.0

298547 2003 WX_{140} 11 17.1 13°.50 3°.1/19.1 18

10 18	3 52.58	+30 2.1	1.313	2.181	16.6	19.4
10 28	3 47.35	+29 11.8	1.256	2.185	12.2	19.1
11 7	3 39.55	+27 58.6	1.221	2.190	7.4	18.9
11 17	3 30.44	+26 25.8	1.211	2.196	3.4	18.7
11 27	3 21.62	+24 41.4	1.228	2.202	5.4	18.8
12 7	3 14.55	+22 56.4	1.270	2.210	10.1	19.1
12 17	3 10.19	+21 21.1	1.336	2.219	14.5	19.4
12 27	3 9.04	+20 2.8	1.423	2.229	18.2	19.6

247340 2001 UD_{206} 11 17.1 66°.59 1°.7/16.4 18

10 18	3 57.09	+14 38.1	1.722	2.596	13.0	20.2
10 28	3 49.75	+14 34.7	1.683	2.620	9.0	20.0
11 7	3 40.53	+14 29.9	1.668	2.645	4.7	19.8
11 17	3 30.46	+14 25.7	1.682	2.669	1.7	19.7
11 27	3 20.70	+14 24.6	1.724	2.693	5.0	20.0
12 7	3 12.35	+14 29.2	1.795	2.716	9.0	20.2
12 17	3 6.17	+14 41.1	1.890	2.740	12.5	20.5
12 27	3 2.59	+15 1.4	2.007	2.764	15.3	20.8

329559 2002 UC_{31} 11 17.1 61°.87 2°.0/18.1 18

10 18	3 57.86	+25 45.5	1.290	2.163	16.5	19.7
10 28	3 50.88	+25 17.7	1.246	2.180	11.8	19.5
11 7	3 41.30	+24 33.7	1.225	2.197	6.6	19.2
11 17	3 30.48	+23 36.2	1.228	2.215	2.1	19.0
11 27	3 20.11	+22 31.5	1.258	2.233	5.3	19.3
12 7	3 11.67	+21 28.0	1.314	2.251	10.2	19.6
12 17	3 6.10	+20 33.2	1.394	2.269	14.6	19.9
12 27	3 3.87	+19 52.3	1.494	2.286	18.1	20.2

221423 2005 YF_{177} 11 17.1 68°.06 1°.0/16.5 18

10 18	3 52.92	+16 58.9	2.048	2.920	11.3	20.3
10 28	3 46.81	+16 38.1	1.991	2.928	7.8	20.1
11 7	3 39.06	+16 13.7	1.959	2.936	4.0	19.9
11 17	3 30.46	+15 47.9	1.956	2.944	1.1	19.7
11 27	3 21.99	+15 24.0	1.983	2.952	4.4	19.9
12 7	3 14.58	+15 5.3	2.037	2.960	8.1	20.2
12 17	3 8.93	+14 54.2	2.118	2.968	11.3	20.4
12 27	3 5.52	+14 52.8	2.220	2.976	14.1	20.6

21112 1992 RY_{3} 11 17.1 91°.82 4°.2/19.2 18

10 18	4 1.53	+29 52.5	1.452	2.303	16.3	19.0
10 28	3 53.39	+30 0.5	1.404	2.322	12.1	18.8
11 7	3 42.60	+29 49.7	1.380	2.341	7.6	18.6
11 17	3 30.51	+29 19.6	1.381	2.360	4.3	18.4
11 27	3 18.82	+28 33.9	1.409	2.378	5.8	18.6
12 7	3 9.04	+27 40.1	1.465	2.396	9.8	18.9
12 17	3 2.19	+26 46.3	1.545	2.414	13.7	19.1
12 27	2 58.75	+25 59.9	1.646	2.431	17.0	19.4

415179 2012 FM_{76} 11 17.1 155°.26 3°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.65	+30 30.4	2.706	3.534	10.3	21.7
10 28	3 47.88	+30 41.3	2.635	3.540	7.7	21.5
11 7	3 39.59	+30 41.1	2.591	3.545	5.1	21.3
11 17	3 30.48	+30 29.3	2.575	3.550	3.2	21.2
11 27	3 21.41	+30 7.3	2.590	3.554	4.0	21.3
12 7	3 13.24	+29 38.2	2.635	3.559	6.4	21.5
12 17	3 6.64	+29 5.8	2.708	3.562	9.0	21.6
12 27	3 2.08	+28 34.3	2.805	3.566	11.3	21.8

154602 2003 PV_{11} 11 17.1 86°.53 2°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.37	+13 3.1	2.163	3.038	10.7	19.8
10 28	3 45.60	+12 2.4	2.110	3.048	7.4	19.6
11 7	3 38.38	+11 0.7	2.084	3.057	4.2	19.4
11 17	3 30.46	+10 2.0	2.086	3.067	2.9	19.3
11 27	3 22.72	+ 9 11.0	2.118	3.076	5.3	19.5
12 7	3 15.95	+ 8 31.4	2.179	3.086	8.5	19.7
12 17	3 10.80	+ 8 5.4	2.265	3.095	11.5	19.9
12 27	3 7.68	+ 7 53.7	2.373	3.105	13.9	20.1

73629 4303 $T\text{-}_3$ 11 17.1 317°.69 1°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.48	+21 49.7	1.977	2.842	12.0	19.2
10 28	3 48.21	+22 6.0	1.901	2.832	8.5	18.9
11 7	3 39.94	+22 15.7	1.849	2.823	4.7	18.7
11 17	3 30.50	+22 18.8	1.826	2.814	1.2	18.4
11 27	3 20.95	+22 16.6	1.832	2.805	4.2	18.6
12 7	3 12.42	+22 12.1	1.866	2.797	8.1	18.9
12 17	3 5.79	+22 8.5	1.927	2.788	11.8	19.1
12 27	3 1.70	+22 9.4	2.009	2.781	14.8	19.3

382062 2011 EY_{33} 11 17.1 263°.99 2°.2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.59	+25 24.6	1.547	2.411	14.7	21.5
10 28	3 50.84	+25 20.2	1.471	2.400	10.7	21.2
11 7	3 41.47	+25 2.1	1.419	2.390	6.2	20.9
11 17	3 30.52	+24 30.5	1.393	2.379	2.3	20.7
11 27	3 19.47	+23 48.7	1.394	2.367	5.1	20.8
12 7	3 9.84	+23 2.7	1.423	2.356	9.9	21.1
12 17	3 2.75	+22 19.5	1.476	2.345	14.3	21.3
12 27	2 58.92	+21 45.2	1.549	2.333	18.0	21.5

349136 2007 JH_{17} 11 17.1 73°.22 1°.3/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.73	+15 25.1	1.607	2.476	14.0	20.8
10 28	3 52.93	+15 30.9	1.576	2.512	9.6	20.6
11 7	3 42.14	+15 34.3	1.571	2.547	4.9	20.4
11 17	3 30.53	+15 36.6	1.595	2.582	1.3	20.3
11 27	3 19.44	+15 40.2	1.647	2.617	5.1	20.6
12 7	3 10.04	+15 47.7	1.728	2.651	9.3	20.9
12 17	3 3.11	+16 1.0	1.834	2.684	12.8	21.2
12 27	2 59.03	+16 21.6	1.962	2.717	15.7	21.5

489050 2005 YE_{68} 11 17.1 21°.89 1°.3/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.36	+22 12.2	1.026	1.922	17.9	20.6
10 28	3 48.93	+22 14.4	0.987	1.932	12.7	20.4
11 7	3 40.50	+22 4.1	0.967	1.945	6.8	20.1
11 17	3 30.52	+21 43.2	0.970	1.958	1.4	19.8
11 27	3 20.89	+21 16.4	0.998	1.974	5.9	20.1
12 7	3 13.32	+20 50.6	1.048	1.990	11.5	20.5
12 17	3 8.91	+20 31.9	1.120	2.008	16.3	20.8
12 27	3 8.16	+20 24.4	1.210	2.027	20.1	21.2

261041 2005 SN_{148} 11 17.1 19°.39 4°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.81	+27 9.8	1.547	2.407	15.0	19.8
10 28	3 50.96	+28 6.8	1.490	2.414	11.1	19.6
11 7	3 41.50	+28 51.3	1.457	2.421	7.0	19.4
11 17	3 30.55	+29 20.5	1.450	2.429	4.2	19.2
11 27	3 19.60	+29 34.1	1.470	2.438	5.8	19.3
12 7	3 10.16	+29 35.7	1.517	2.447	9.6	19.6
12 17	3 3.33	+29 30.7	1.588	2.458	13.4	19.8
12 27	2 59.77	+29 25.1	1.679	2.469	16.6	20.1

363985 2005 UN_{230} 11 17.1 263°.73 1°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.43	+17 44.1	2.071	2.943	11.2	21.2
10 28	3 46.55	+17 8.5	2.002	2.939	7.8	21.0
11 7	3 38.99	+16 27.7	1.958	2.935	4.0	20.8
11 17	3 30.52	+15 44.6	1.944	2.931	1.1	20.5
11 27	3 22.09	+15 3.2	1.958	2.927	4.4	20.8
12 7	3 14.66	+14 27.6	2.001	2.923	8.2	21.0
12 17	3 8.96	+14 1.1	2.070	2.920	11.6	21.2
12 27	3 5.50	+13 46.1	2.161	2.916	14.4	21.4

200108 1995 UE_{39} 11 17.1 340°.42 1°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.19	+22 37.3	1.389	2.269	15.1	20.0
10 28	3 48.57	+22 33.3	1.322	2.261	10.8	19.8
11 7	3 40.33	+22 18.3	1.277	2.253	5.9	19.5
11 17	3 30.55	+21 53.3	1.258	2.246	1.3	19.1
11 27	3 20.74	+21 22.1	1.265	2.240	5.2	19.4
12 7	3 12.38	+20 50.4	1.298	2.235	10.3	19.7
12 17	3 6.61	+20 24.0	1.354	2.230	14.8	19.9
12 27	3 4.11	+20 7.8	1.429	2.226	18.6	20.2

47056 1998 XP_7 11 17.1 232°.45 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 51.47	+21 24.6	2.452	3.314	10.1	19.1
10 28	3 45.70	+20 39.5	2.376	3.308	7.0	18.9
11 7	3 38.50	+19 46.7	2.327	3.302	3.6	18.7
11 17	3 30.53	+18 48.7	2.308	3.297	0.1	18.3
11 27	3 22.62	+17 49.4	2.319	3.291	3.6	18.7
12 7	3 15.57	+16 53.1	2.360	3.285	7.0	18.9
12 17	3 10.02	+16 3.8	2.429	3.278	10.1	19.1
12 27	3 6.43	+15 24.6	2.520	3.272	12.7	19.2

421558 2014 OK_{189} 11 17.1 44°.27 2°.1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.93	+25 39.4	1.964	2.822	12.4	21.2
10 28	3 47.69	+25 41.4	1.907	2.832	8.9	21.0
11 7	3 39.60	+25 32.7	1.874	2.843	5.2	20.8
11 17	3 30.55	+25 13.8	1.869	2.854	2.2	20.6
11 27	3 21.65	+24 47.4	1.893	2.865	4.1	20.7
12 7	3 13.92	+24 17.6	1.945	2.876	7.8	21.0
12 17	3 8.16	+23 48.9	2.023	2.888	11.1	21.2
12 27	3 4.86	+23 25.4	2.123	2.900	14.0	21.4

41343 2000 AY_9 11 17.1 165°.54 2°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.58	+28 47.5	2.354	3.196	11.2	19.0
10 28	3 47.28	+28 30.9	2.282	3.197	8.2	18.8
11 7	3 39.34	+28 2.0	2.237	3.199	5.1	18.6
11 17	3 30.56	+27 21.6	2.219	3.201	2.6	18.4
11 27	3 21.86	+26 32.5	2.232	3.202	3.9	18.5
12 7	3 14.17	+25 39.1	2.274	3.203	7.0	18.7
12 17	3 8.19	+24 46.3	2.343	3.204	10.0	18.9
12 27	3 4.41	+23 58.9	2.436	3.205	12.6	19.1

198250 2004 TS_{216} 11 17.1 336°.44 6°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.77	+ 5 46.1	1.238	2.132	15.6	19.5
10 28	3 47.61	+ 4 58.5	1.178	2.119	11.6	19.2
11 7	3 39.85	+ 4 18.6	1.139	2.106	8.0	19.0
11 17	3 30.56	+ 3 53.5	1.124	2.095	7.1	18.9
11 27	3 21.22	+ 3 49.2	1.134	2.084	9.9	19.0
12 7	3 13.32	+ 4 8.7	1.166	2.075	14.1	19.2
12 17	3 7.97	+ 4 51.2	1.219	2.066	18.1	19.4
12 27	3 5.87	+ 5 53.9	1.290	2.059	21.7	19.7

481565 2007 SC 11 17.1 19°.77 5°.0/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 47.84	+14 10.3	0.809	1.730	18.6	18.5
10 28	3 44.31	+12 31.2	0.794	1.752	12.8	18.3
11 7	3 38.01	+10 53.1	0.797	1.777	7.2	18.1
11 17	3 30.53	+ 9 27.9	0.822	1.804	5.2	18.1
11 27	3 23.71	+ 8 25.7	0.868	1.834	9.2	18.4
12 7	3 18.99	+ 7 51.7	0.936	1.866	14.1	18.8
12 17	3 17.17	+ 7 45.8	1.022	1.900	18.3	19.2
12 27	3 18.56	+ 8 4.4	1.125	1.936	21.7	19.5

107499 2001 DZ_{45} 11 17.1 302°.79 1°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.60	+16 13.7	1.619	2.499	13.3	20.1
10 28	3 48.51	+15 50.6	1.549	2.489	9.3	19.9
11 7	3 40.19	+15 23.4	1.503	2.480	4.9	19.6
11 17	3 30.58	+14 55.0	1.484	2.471	1.6	19.3
11 27	3 20.93	+14 29.6	1.493	2.463	5.5	19.6
12 7	3 12.51	+14 11.3	1.529	2.454	10.0	19.8
12 17	3 6.29	+14 3.6	1.589	2.446	14.1	20.0
12 27	3 2.90	+14 8.5	1.669	2.438	17.5	20.3

371822 2007 UD_{43} 11 17.1 253°.54 2°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.66	+16 21.7	1.361	2.245	15.1	21.4
10 28	3 50.18	+15 25.7	1.296	2.239	10.6	21.1
11 7	3 41.12	+14 22.8	1.255	2.232	5.6	20.8
11 17	3 30.59	+13 18.3	1.239	2.225	2.5	20.6
11 27	3 20.11	+12 19.5	1.251	2.218	6.7	20.8
12 7	3 11.16	+11 33.4	1.288	2.211	11.7	21.1
12 17	3 4.81	+11 4.6	1.348	2.204	16.2	21.3
12 27	3 1.71	+10 55.2	1.427	2.197	19.9	21.6

361743 2007 XG_{33} 11 17.1 334°.89 3°.2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.00	+26 33.4	1.514	2.381	14.9	20.8
10 28	3 49.13	+26 51.1	1.442	2.371	11.0	20.6
11 7	3 40.65	+26 55.5	1.393	2.362	6.6	20.3
11 17	3 30.59	+26 45.6	1.369	2.353	3.3	20.1
11 27	3 20.42	+26 23.3	1.372	2.345	5.4	20.2
12 7	3 11.62	+25 53.6	1.402	2.337	9.8	20.4
12 17	3 5.36	+25 23.0	1.455	2.331	14.0	20.6
12 27	3 2.33	+24 57.5	1.528	2.325	17.6	20.9

487238 2014 PG_{12} 11 17.2 163°.44 6°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.85	+39 37.3	2.406	3.197	12.6	21.5
10 28	3 50.45	+39 55.4	2.333	3.200	10.2	21.3
11 7	3 41.07	+39 55.0	2.284	3.204	7.9	21.2
11 17	3 30.61	+39 34.3	2.262	3.206	6.2	21.1
11 27	3 20.21	+38 54.3	2.268	3.209	6.3	21.1
12 7	3 11.01	+37 59.2	2.303	3.211	8.0	21.2
12 17	3 3.85	+36 55.3	2.364	3.213	10.3	21.4
12 27	2 59.29	+35 49.5	2.449	3.215	12.6	21.5

243162 2007 TP_{86} 11 17.2 89°.60 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.64	+16 39.1	1.759	2.634	12.7	21.2
10 28	3 48.90	+16 18.3	1.706	2.644	8.8	21.0
11 7	3 40.24	+15 53.8	1.678	2.655	4.6	20.7
11 17	3 30.60	+15 28.0	1.678	2.666	1.3	20.5
11 27	3 21.15	+15 4.7	1.707	2.676	4.9	20.8
12 7	3 12.98	+14 47.6	1.763	2.687	9.0	21.1
12 17	3 6.91	+14 39.4	1.845	2.697	12.7	21.3
12 27	3 3.42	+14 42.0	1.948	2.707	15.6	21.6

248780 2006 SH_{34} 11 17.2 112°.98 3°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.06	+30 8.4	2.050	2.888	12.7	20.7
10 28	3 49.84	+30 7.9	1.991	2.902	9.5	20.5
11 7	3 40.71	+29 53.0	1.956	2.915	6.0	20.4
11 17	3 30.61	+29 23.7	1.950	2.927	3.5	20.2
11 27	3 20.69	+28 42.7	1.972	2.940	4.6	20.3
12 7	3 12.05	+27 55.0	2.024	2.952	7.8	20.5
12 17	3 5.50	+27 6.2	2.102	2.964	10.9	20.8
12 27	3 1.51	+26 21.8	2.203	2.975	13.7	21.0

301970 2000 GE_{27} 11 17.2 290°.63 4°.9/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.31	+30 21.8	1.808	2.649	14.0	20.3
10 28	3 52.17	+31 12.5	1.719	2.628	10.8	20.1
11 7	3 42.32	+31 50.4	1.653	2.607	7.4	19.8
11 17	3 30.64	+32 11.9	1.614	2.586	5.0	19.6
11 27	3 18.53	+32 15.7	1.603	2.565	6.2	19.7
12 7	3 7.52	+32 4.8	1.620	2.544	9.6	19.8
12 17	2 58.88	+31 44.7	1.661	2.523	13.3	20.0
12 27	2 53.48	+31 22.5	1.725	2.502	16.7	20.2

121131 1999 JE_{9} 11 17.2 301°.16 5°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.77	+ 5 36.0	1.459	2.339	14.5	19.3
10 28	3 50.31	+ 5 16.0	1.383	2.317	10.8	19.0
11 7	3 41.28	+ 5 4.0	1.330	2.296	7.2	18.8
11 17	3 30.62	+ 5 4.9	1.303	2.275	6.0	18.6
11 27	3 19.72	+ 5 22.8	1.302	2.254	8.7	18.7
12 7	3 10.03	+ 5 59.3	1.327	2.233	12.9	18.9
12 17	3 2.70	+ 6 54.0	1.374	2.213	17.0	19.1
12 27	2 58.53	+ 8 4.7	1.440	2.193	20.5	19.3

376395 2012 FP_{14} 11 17.2 115°.80 1°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.59	+16 16.8	1.525	2.398	14.4	20.6
10 28	3 52.56	+16 13.1	1.475	2.412	10.0	20.4
11 7	3 42.19	+16 5.9	1.449	2.426	5.2	20.2
11 17	3 30.64	+15 57.1	1.451	2.439	1.2	19.9
11 27	3 19.35	+15 49.7	1.482	2.452	5.4	20.2
12 7	3 9.65	+15 47.1	1.539	2.464	10.0	20.5
12 17	3 2.49	+15 52.3	1.622	2.476	14.0	20.8
12 27	2 58.39	+16 7.1	1.724	2.487	17.2	21.1

223182 2003 AQ_{29} 11 17.2 298°.74 0°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.50	+21 53.4	1.431	2.309	14.9	19.9
10 28	3 49.51	+21 31.0	1.356	2.294	10.6	19.6
11 7	3 40.87	+20 57.1	1.303	2.280	5.7	19.3
11 17	3 30.63	+20 13.5	1.276	2.265	0.6	18.9
11 27	3 20.25	+19 25.1	1.276	2.251	5.3	19.2
12 7	3 11.27	+18 38.6	1.303	2.236	10.6	19.5
12 17	3 4.85	+18 0.4	1.352	2.222	15.2	19.7
12 27	3 1.71	+17 35.4	1.421	2.209	19.1	20.0

314349 2005 TJ_{117} 11 17.2 214°.42 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.52	+20 49.6	2.070	2.936	11.5	21.3
10 28	3 47.36	+20 28.4	2.002	2.935	8.0	21.1
11 7	3 39.46	+19 59.9	1.959	2.934	4.2	20.9
11 17	3 30.60	+19 26.1	1.944	2.933	0.2	20.5
11 27	3 21.81	+18 50.4	1.959	2.931	4.0	20.9
12 7	3 14.05	+18 16.7	2.002	2.930	7.9	21.1
12 17	3 8.08	+17 48.9	2.072	2.928	11.3	21.3
12 27	3 4.42	+17 30.0	2.164	2.926	14.2	21.5

378012 2006 SU_{70} 11 17.2 68°.98 3°.8/15.4 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.84	+13 15.5	1.254	2.142	15.8	20.8
10 28	3 50.66	+12 11.8	1.221	2.165	11.0	20.6
11 7	3 41.15	+11 7.6	1.212	2.187	6.1	20.4
11 17	3 30.63	+10 9.7	1.228	2.210	3.9	20.3
11 27	3 20.64	+ 9 24.8	1.271	2.233	7.4	20.6
12 7	3 12.51	+ 8 57.4	1.339	2.256	11.9	20.9
12 17	3 7.09	+ 8 49.3	1.429	2.279	15.8	21.2
12 27	3 4.77	+ 8 59.8	1.538	2.301	19.0	21.5

52212 4056 T-3 11 17.2 138°.76 1°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.10	+21 31.6	1.636	2.501	14.0	19.9
10 28	3 52.29	+21 41.7	1.577	2.509	9.9	19.6
11 7	3 42.12	+21 43.3	1.542	2.516	5.3	19.4
11 17	3 30.66	+21 36.9	1.534	2.523	1.0	19.1
11 27	3 19.32	+21 24.8	1.556	2.529	4.7	19.4
12 7	3 9.44	+21 11.0	1.605	2.535	9.3	19.7
12 17	3 2.03	+21 0.1	1.680	2.541	13.3	19.9
12 27	2 57.66	+20 55.9	1.776	2.546	16.5	20.2

407078 2009 SN_{208} 11 17.2 101°.39 2°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 51.53	+15 17.7	2.172	3.046	10.7	21.2
10 28	3 45.83	+14 28.2	2.110	3.048	7.4	21.0
11 7	3 38.61	+13 35.7	2.074	3.050	4.0	20.8
11 17	3 30.60	+12 43.6	2.067	3.052	2.0	20.6
11 27	3 22.71	+11 56.3	2.090	3.054	4.8	20.8
12 7	3 15.76	+11 17.6	2.141	3.056	8.2	21.1
12 17	3 10.43	+10 50.3	2.218	3.058	11.3	21.3
12 27	3 7.18	+10 36.0	2.317	3.059	13.9	21.4

480337 2015 KA_{3} 11 17.2 152°.12 4°.0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.16	+ 9 43.8	1.893	2.765	12.1	22.2
10 28	3 49.13	+ 8 55.4	1.839	2.772	8.6	22.0
11 7	3 40.33	+ 8 9.0	1.810	2.780	5.3	21.8
11 17	3 30.63	+ 7 28.9	1.811	2.787	4.1	21.8
11 27	3 21.11	+ 6 59.5	1.840	2.793	6.5	21.9
12 7	3 12.77	+ 6 43.7	1.897	2.798	9.9	22.2
12 17	3 6.37	+ 6 42.9	1.979	2.803	13.1	22.4
12 27	3 2.37	+ 6 57.0	2.082	2.808	15.8	22.6

446325 2014 FK_{50} 11 17.2 170°.61 0°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.04	+20 18.9	2.192	3.054	11.1	21.7
10 28	3 48.27	+19 39.7	2.125	3.058	7.7	21.5
11 7	3 39.87	+18 53.2	2.085	3.061	4.0	21.3
11 17	3 30.63	+18 2.1	2.075	3.063	0.3	21.0
11 27	3 21.51	+17 10.5	2.095	3.065	4.0	21.3
12 7	3 13.43	+16 22.7	2.144	3.067	7.7	21.5
12 17	3 7.11	+15 42.8	2.220	3.067	11.0	21.8
12 27	3 3.01	+15 13.5	2.319	3.068	13.7	21.9

206562 2003 UU_{261} 11 17.2 42°.64 0°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.12	+21 25.5	1.318	2.198	15.8	20.1
10 28	3 50.34	+21 28.1	1.279	2.218	11.1	19.9
11 7	3 41.08	+21 21.1	1.263	2.239	5.8	19.6
11 17	3 30.64	+21 6.0	1.272	2.260	0.9	19.3
11 27	3 20.59	+20 46.3	1.308	2.282	5.1	19.7
12 7	3 12.34	+20 27.4	1.370	2.305	10.0	20.0
12 17	3 6.81	+20 13.9	1.455	2.328	14.2	20.4
12 27	3 4.48	+20 9.4	1.560	2.351	17.5	20.6

408103 2013 AW_{101} 11 17.2 269°.26 15°.8/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.57	+50 59.3	1.228	1.999	23.2	21.1
10 28	4 0.68	+52 25.4	1.163	1.992	20.7	20.8
11 7	3 47.47	+53 12.7	1.113	1.985	18.2	20.7
11 17	3 30.75	+53 7.9	1.081	1.978	16.3	20.5
11 27	3 13.76	+52 5.9	1.069	1.971	15.8	20.5
12 7	2 59.87	+50 14.7	1.078	1.964	17.0	20.5
12 17	2 51.20	+47 52.0	1.107	1.958	19.4	20.7
12 27	2 48.48	+45 18.5	1.154	1.951	22.2	20.8

13536 1991 RA_{15} 11 17.2 125°.25 0°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.36	+20 5.3	2.593	3.454	9.6	18.6
10 28	3 46.22	+19 46.0	2.533	3.464	6.7	18.4
11 7	3 38.75	+19 21.6	2.499	3.474	3.5	18.2
11 17	3 30.62	+18 53.6	2.495	3.484	0.1	17.9
11 27	3 22.60	+18 24.6	2.522	3.494	3.3	18.3
12 7	3 15.44	+17 57.7	2.579	3.503	6.5	18.5
12 17	3 9.73	+17 35.4	2.664	3.512	9.3	18.7
12 27	3 5.88	+17 20.1	2.771	3.521	11.7	18.9

280159 2002 PU_{195} 11 17.2 248°.38 1°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.25	+25 21.5	2.315	3.169	10.9	21.0
10 28	3 46.38	+24 55.4	2.242	3.167	7.8	20.8
11 7	3 38.93	+24 19.1	2.195	3.165	4.4	20.6
11 17	3 30.64	+23 34.0	2.176	3.163	1.4	20.4
11 27	3 22.41	+22 43.5	2.188	3.161	3.6	20.5
12 7	3 15.13	+21 52.0	2.229	3.159	7.0	20.8
12 17	3 9.50	+21 3.9	2.297	3.157	10.2	21.0
12 27	3 5.99	+20 23.1	2.388	3.154	12.9	21.1

42844 1999 RC_{12} 11 17.2 135°.05 4°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.18	+10 57.0	1.574	2.453	13.7	19.2
10 28	3 50.07	+ 9 54.2	1.525	2.462	9.7	19.0
11 7	3 40.88	+ 8 52.0	1.500	2.471	5.8	18.8
11 17	3 30.67	+ 7 56.5	1.502	2.480	4.4	18.7
11 27	3 20.70	+ 7 13.4	1.533	2.488	7.3	18.9
12 7	3 12.18	+ 6 46.9	1.590	2.496	11.2	19.2
12 17	3 5.93	+ 6 38.9	1.671	2.503	14.8	19.4
12 27	3 2.45	+ 6 48.7	1.771	2.510	17.7	19.7

18534 1996 XE_{12} 11 17.2 60°.28 0°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.47	+20 44.6	1.877	2.746	12.3	18.6
10 28	3 48.08	+20 35.2	1.821	2.756	8.6	18.4
11 7	3 39.85	+20 18.8	1.790	2.766	4.5	18.2
11 17	3 30.65	+19 56.9	1.787	2.776	0.4	17.9
11 27	3 21.61	+19 32.7	1.813	2.786	4.2	18.2
12 7	3 13.77	+19 9.9	1.867	2.796	8.2	18.5
12 17	3 7.91	+18 52.3	1.946	2.807	11.7	18.7
12 27	3 4.54	+18 42.7	2.048	2.817	14.7	18.9

405422 2004 RJ_{322} 11 17.2 357.°45 2.°4/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 49.01	+27 8.6	1.317	2.198	15.7	19.7
10 28	3 45.02	+26 36.3	1.255	2.191	11.5	19.4
11 7	3 38.52	+25 45.4	1.214	2.186	6.7	19.1
11 17	3 30.63	+24 38.4	1.197	2.183	2.6	18.9
11 27	3 22.83	+23 21.8	1.206	2.182	5.2	19.0
12 7	3 16.53	+22 4.4	1.240	2.182	10.1	19.3
12 17	3 12.78	+20 54.8	1.297	2.184	14.6	19.6
12 27	3 12.14	+19 59.3	1.374	2.188	18.3	19.8

450060 2015 RY_{40} 11 17.2 243.°11 0.°0/17.2 18

10 18	3 54.70	+20 37.7	1.998	2.864	11.8	21.8
10 28	3 48.32	+20 11.2	1.920	2.854	8.3	21.6
11 7	3 40.03	+19 36.9	1.868	2.844	4.3	21.3
11 17	3 30.66	+18 56.8	1.844	2.833	0.1	20.9
11 27	3 21.27	+18 14.5	1.850	2.822	4.3	21.3
12 7	3 12.92	+17 34.7	1.885	2.811	8.3	21.5
12 17	3 6.44	+17 1.7	1.946	2.800	12.0	21.7
12 27	3 2.42	+16 38.8	2.028	2.789	15.1	21.9

411916 2012 FT_{68} 11 17.2 159.°24 6.°8/21.8 17

10 18	4 1.83	+43 24.4	2.868	3.622	11.6	21.4
10 28	3 53.26	+44 21.4	2.795	3.628	9.8	21.3
11 7	3 42.62	+45 1.4	2.747	3.633	8.0	21.2
11 17	3 30.72	+45 21.0	2.726	3.638	6.9	21.1
11 27	3 18.69	+45 19.3	2.733	3.643	7.0	21.1
12 7	3 7.68	+44 59.0	2.769	3.647	8.1	21.2
12 17	2 58.61	+44 24.8	2.832	3.651	9.7	21.3
12 27	2 52.12	+43 43.1	2.918	3.654	11.5	21.4

114110 2002 VF_{47} 11 17.2 101.°23 0.°7/16.7 18

10 18	3 54.73	+20 4.4	2.000	2.866	11.8	18.9
10 28	3 48.03	+19 5.9	1.949	2.884	8.2	18.7
11 7	3 39.72	+18 0.2	1.925	2.902	4.1	18.5
11 17	3 30.67	+16 51.1	1.930	2.919	0.7	18.3
11 27	3 21.91	+15 43.8	1.966	2.935	4.3	18.6
12 7	3 14.35	+14 43.8	2.030	2.952	8.1	18.9
12 17	3 8.68	+13 54.9	2.120	2.968	11.4	19.1
12 27	3 5.29	+13 19.7	2.233	2.984	14.1	19.3

488182 2015 XD_{112} 11 17.2 158.°60 4.°8/14.1 18

10 18	3 52.01	+ 4 15.8	2.399	3.264	10.1	21.6
10 28	3 46.03	+ 3 36.9	2.343	3.267	7.5	21.5
11 7	3 38.69	+ 3 3.8	2.313	3.270	5.4	21.3
11 17	3 30.67	+ 2 40.0	2.312	3.273	4.9	21.3
11 27	3 22.73	+ 2 28.3	2.340	3.275	6.5	21.4
12 7	3 15.64	+ 2 30.5	2.396	3.277	9.0	21.6
12 17	3 9.99	+ 2 46.7	2.477	3.279	11.5	21.8
12 27	3 6.22	+ 3 16.0	2.579	3.281	13.6	21.9

422450 2014 SM_{307} 11 17.2 158.°48 2.°0/18.4 17

10 18	3 54.76	+25 41.0	2.673	3.516	9.9	21.0
10 28	3 48.02	+25 59.4	2.602	3.520	7.2	20.8
11 7	3 39.78	+26 9.9	2.558	3.523	4.3	20.7
11 17	3 30.70	+26 12.3	2.543	3.526	2.0	20.5
11 27	3 21.62	+26 7.5	2.559	3.529	3.5	20.6
12 7	3 13.38	+25 57.9	2.606	3.532	6.4	20.8
12 17	3 6.63	+25 46.6	2.680	3.534	9.1	21.0
12 27	3 1.88	+25 36.7	2.778	3.536	11.5	21.2

510333 2011 SM_{70} 11 17.2 73.°61 1.°5/16.2 14 C

10 18	3 56.70	+18 29.3	1.700	2.573	13.2	21.1
10 28	3 49.43	+17 20.7	1.666	2.604	9.1	20.9
11 7	3 40.41	+16 6.5	1.658	2.635	4.6	20.7
11 17	3 30.71	+14 51.7	1.679	2.666	1.5	20.6
11 27	3 21.50	+13 42.6	1.729	2.696	5.1	20.9
12 7	3 13.78	+12 44.8	1.807	2.726	9.1	21.2
12 17	3 8.23	+12 1.7	1.910	2.756	12.6	21.5
12 27	3 5.22	+11 34.9	2.034	2.785	15.3	21.7

385382 2002 RQ_{236} 11 17.2 217.°80 6.°4/12.8 18

10 18	3 53.14	+ 2 6.4	2.095	2.961	11.4	20.8
10 28	3 47.01	+ 0 56.3	2.034	2.955	8.8	20.6
11 7	3 39.29	− 0 6.7	1.999	2.948	6.8	20.5
11 17	3 30.70	− 0 57.1	1.992	2.941	6.6	20.4
11 27	3 22.16	− 1 30.1	2.013	2.934	8.4	20.5
12 7	3 14.56	− 1 43.2	2.061	2.926	11.0	20.7
12 17	3 8.60	− 1 36.2	2.132	2.918	13.6	20.9
12 27	3 4.78	− 1 10.7	2.223	2.910	15.9	21.0

356052 2009 DC_5 11 17.2 113.°20 2.°1/16.0 18

10 18	3 54.48	+14 52.4	1.849	2.725	12.2	20.9
10 28	3 48.09	+14 17.3	1.792	2.730	8.5	20.7
11 7	3 39.87	+13 39.6	1.760	2.736	4.5	20.5
11 17	3 30.71	+13 2.7	1.756	2.741	2.1	20.4
11 27	3 21.69	+12 30.9	1.781	2.747	5.2	20.6
12 7	3 13.84	+12 7.9	1.834	2.752	9.1	20.8
12 17	3 7.94	+11 56.2	1.912	2.757	12.6	21.1
12 27	3 4.47	+11 57.1	2.011	2.762	15.5	21.3

381011 2006 UG_{94} 11 17.2 249.°63 3.°5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.78	+13 33.0	1.466	2.349	14.2	21.4
10 28	3 49.42	+12 33.4	1.403	2.345	10.0	21.1
11 7	3 40.73	+11 30.7	1.365	2.340	5.6	20.9
11 17	3 30.73	+10 30.5	1.353	2.335	3.6	20.7
11 27	3 20.81	+ 9 39.8	1.368	2.330	7.0	20.9
12 7	3 12.29	+ 9 4.0	1.409	2.325	11.5	21.2
12 17	3 6.15	+ 8 46.4	1.473	2.320	15.6	21.4
12 27	3 3.00	+ 8 47.9	1.557	2.314	19.0	21.7

82762 2001 QP_{10} 11 17.2 64.°94 2.°4/16.1 18

10 18	3 58.01	+15 9.5	1.332	2.216	15.4	19.5
10 28	3 50.79	+14 34.3	1.297	2.239	10.6	19.3
11 7	3 41.28	+13 56.5	1.285	2.262	5.6	19.1
11 17	3 30.74	+13 20.5	1.299	2.285	2.4	18.9
11 27	3 20.67	+12 51.5	1.340	2.308	6.2	19.2
12 7	3 12.37	+12 33.8	1.407	2.331	10.8	19.6
12 17	3 6.71	+12 29.7	1.497	2.354	14.8	19.9
12 27	3 4.10	+12 39.9	1.607	2.376	18.0	20.1

224149 2005 QA_{54} 11 17.2 88.°07 3.°0/15.8 18

10 18	3 56.80	+13 46.7	1.460	2.343	14.4	20.7
10 28	3 49.97	+13 4.3	1.412	2.353	10.0	20.5
11 7	3 40.91	+12 20.1	1.388	2.364	5.5	20.2
11 17	3 30.74	+11 39.0	1.390	2.374	3.0	20.1
11 27	3 20.83	+11 6.2	1.420	2.384	6.5	20.3
12 7	3 12.44	+10 46.0	1.476	2.395	10.8	20.6
12 17	3 6.49	+10 40.8	1.555	2.405	14.8	20.9
12 27	3 3.45	+10 51.1	1.654	2.415	17.9	21.1

227366 2005 UZ_{166} 11 17.2 228.°15 0.°3/17.0 18

10 18	3 56.59	+20 18.5	1.883	2.749	12.4	21.0
10 28	3 49.74	+19 43.2	1.805	2.739	8.8	20.8
11 7	3 40.83	+18 59.2	1.752	2.728	4.5	20.5
11 17	3 30.74	+18 9.2	1.728	2.717	0.3	20.1
11 27	3 20.63	+17 17.4	1.733	2.705	4.6	20.5
12 7	3 11.65	+16 29.2	1.767	2.692	8.9	20.7
12 17	3 4.70	+15 49.6	1.827	2.679	12.8	20.9
12 27	3 0.38	+15 22.1	1.909	2.666	16.0	21.1

222046 1998 UG_{44} 11 17.2 1.°72 0.°8/17.5 18

10 18	3 51.56	+22 6.7	0.986	1.887	18.0	19.4
10 28	3 47.30	+21 49.5	0.935	1.884	12.8	19.1
11 7	3 39.90	+21 18.4	0.903	1.882	6.8	18.8
11 17	3 30.73	+20 36.4	0.894	1.882	0.9	18.4
11 27	3 21.67	+19 50.0	0.908	1.884	6.2	18.7
12 7	3 14.53	+19 7.6	0.944	1.888	12.1	19.1
12 17	3 10.56	+18 36.5	1.001	1.893	17.3	19.4
12 27	3 10.37	+18 21.0	1.075	1.900	21.5	19.7

197141 2003 UE_{249} 11 17.2 88.°80 1.°3/18.1 18

10 18	3 53.50	+24 42.4	2.309	3.163	10.9	20.2
10 28	3 47.17	+24 27.4	2.253	3.178	7.8	20.0
11 7	3 39.32	+24 3.4	2.222	3.193	4.3	19.8
11 17	3 30.72	+23 31.7	2.221	3.207	1.4	19.7
11 27	3 22.29	+22 55.0	2.249	3.222	3.5	19.8
12 7	3 14.88	+22 17.3	2.307	3.236	6.9	20.1
12 17	3 9.16	+21 42.4	2.392	3.250	9.9	20.3
12 27	3 5.55	+21 13.8	2.500	3.264	12.4	20.5

256597 2007 US_{53} 11 17.2 146.°65 0.°7/17.6 18

10 18	3 56.14	+22 18.0	2.131	2.989	11.5	21.5
10 28	3 49.13	+22 3.7	2.069	2.998	8.1	21.3
11 7	3 40.39	+21 41.3	2.032	3.006	4.3	21.1
11 17	3 30.75	+21 12.2	2.025	3.013	0.7	20.9
11 27	3 21.23	+20 39.4	2.047	3.020	3.8	21.1
12 7	3 12.83	+20 6.9	2.099	3.026	7.6	21.4
12 17	3 6.27	+19 38.6	2.178	3.032	10.9	21.6
12 27	3 2.06	+19 17.7	2.280	3.038	13.7	21.8

274297 2008 QN_{19} 11 17.2 7.°56 4.°9/18.7 17

10 18	3 57.92	+27 58.9	1.549	2.407	15.1	19.3
10 28	3 51.24	+29 18.1	1.490	2.410	11.4	19.1
11 7	3 41.84	+30 25.5	1.453	2.413	7.5	18.9
11 17	3 30.78	+31 16.5	1.443	2.418	5.0	18.7
11 27	3 19.59	+31 49.5	1.459	2.424	6.4	18.8
12 7	3 9.84	+32 6.9	1.503	2.431	9.9	19.1
12 17	3 2.72	+32 13.9	1.570	2.439	13.6	19.3
12 27	2 58.97	+32 16.7	1.658	2.448	16.7	19.5

521614 2015 PN_{320} 11 17.2 106.°71 1.°5/16.4 18

10 18	3 54.78	+15 41.9	1.932	2.805	11.9	21.4
10 28	3 48.28	+15 25.0	1.873	2.810	8.2	21.2
11 7	3 39.99	+15 5.4	1.839	2.815	4.3	21.0
11 17	3 30.74	+14 45.5	1.833	2.820	1.5	20.8
11 27	3 21.61	+14 28.4	1.857	2.825	4.7	21.0
12 7	3 13.59	+14 17.2	1.909	2.830	8.6	21.3
12 17	3 7.46	+14 14.2	1.986	2.835	12.0	21.5
12 27	3 3.72	+14 21.2	2.085	2.840	14.9	21.7

356871 2011 WH_{88} 11 17.2 18°.63 1°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.72	+16 21.8	1.511	2.394	14.0	20.1
10 28	3 48.63	+16 17.4	1.456	2.398	9.7	19.9
11 7	3 40.29	+16 9.7	1.425	2.403	5.0	19.6
11 17	3 30.75	+16 0.9	1.420	2.408	1.2	19.3
11 27	3 21.32	+15 54.1	1.443	2.414	5.3	19.6
12 7	3 13.28	+15 52.7	1.492	2.421	9.9	19.9
12 17	3 7.57	+15 59.4	1.565	2.428	13.9	20.2
12 27	3 4.74	+16 15.8	1.658	2.436	17.2	20.4

365012 2008 NH_2 11 17.2 59°.28 1°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.08	+25 28.2	1.992	2.848	12.3	20.6
10 28	3 48.33	+25 15.4	1.951	2.876	8.8	20.4
11 7	3 39.92	+24 52.0	1.934	2.904	5.0	20.3
11 17	3 30.74	+24 19.5	1.946	2.932	1.8	20.1
11 27	3 21.89	+23 41.2	1.987	2.960	3.9	20.3
12 7	3 14.31	+23 1.6	2.057	2.987	7.5	20.6
12 17	3 8.70	+22 25.3	2.153	3.015	10.7	20.8
12 27	3 5.46	+21 55.9	2.271	3.043	13.3	21.1

400654 2009 HZ_{29} 11 17.2 24°.77 4°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.98	+ 9 21.1	1.701	2.581	12.8	21.0
10 28	3 47.86	+ 8 45.5	1.645	2.582	9.2	20.8
11 7	3 39.82	+ 8 12.8	1.614	2.585	5.6	20.6
11 17	3 30.75	+ 7 47.4	1.610	2.587	4.3	20.5
11 27	3 21.79	+ 7 33.2	1.634	2.589	6.8	20.6
12 7	3 14.03	+ 7 32.9	1.684	2.592	10.5	20.9
12 17	3 8.30	+ 7 47.5	1.758	2.595	13.9	21.1
12 27	3 5.11	+ 8 16.4	1.852	2.598	16.8	21.3

257759 2000 BT_{31} 11 17.2 295°.53 5°.2/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.67	+ 4 15.4	2.163	3.033	10.9	20.1
10 28	3 45.99	+ 3 34.5	2.100	3.027	8.1	19.9
11 7	3 38.78	+ 2 59.6	2.062	3.020	5.8	19.7
11 17	3 30.73	+ 2 34.9	2.053	3.014	5.3	19.7
11 27	3 22.71	+ 2 23.8	2.071	3.008	7.1	19.8
12 7	3 15.57	+ 2 28.2	2.117	3.002	9.9	20.0
12 17	3 10.00	+ 2 48.2	2.187	2.996	12.6	20.1
12 27	3 6.47	+ 3 22.7	2.278	2.990	14.9	20.3

340168 2005 YA_{148} 11 17.2 352°.64 2°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.46	+24 0.2	1.188	2.073	16.8	20.0
10 28	3 49.13	+24 6.9	1.128	2.068	12.1	19.7
11 7	3 40.83	+24 0.1	1.088	2.063	6.9	19.4
11 17	3 30.77	+23 40.1	1.072	2.059	2.3	19.1
11 27	3 20.69	+23 10.6	1.081	2.057	5.7	19.3
12 7	3 12.32	+22 38.0	1.114	2.055	11.1	19.6
12 17	3 6.91	+22 9.4	1.170	2.055	16.0	19.9
12 27	3 5.16	+21 50.7	1.243	2.055	20.0	20.1

448528 2010 OO_{110} 11 17.2 332°.61 1°.0/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.96	+12 29.5	1.598	2.466	14.1	20.4
10 28	3 54.73	+13 44.8	1.517	2.452	10.0	20.1
11 7	3 43.70	+15 6.4	1.463	2.438	5.3	19.8
11 17	3 30.83	+16 32.0	1.437	2.425	1.0	19.5
11 27	3 17.56	+17 58.6	1.441	2.413	5.3	19.7
12 7	3 5.45	+19 24.0	1.475	2.401	10.3	20.0
12 17	2 55.79	+20 47.5	1.536	2.390	14.6	20.2
12 27	2 49.44	+22 9.9	1.617	2.380	18.2	20.5

465110 2006 VB_{34} 11 17.2 42°.97 1°.0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.38	+26 43.0	0.932	1.822	19.8	19.6
10 28	3 51.10	+23 55.6	0.885	1.830	13.9	19.3
11 7	3 41.65	+20 37.6	0.860	1.839	7.1	19.0
11 17	3 30.78	+17 4.5	0.860	1.848	1.0	18.7
11 27	3 20.61	+13 39.0	0.886	1.859	7.5	19.1
12 7	3 12.87	+10 42.3	0.938	1.869	13.9	19.5
12 17	3 8.56	+ 8 26.5	1.010	1.880	19.2	19.9
12 27	3 8.00	+ 6 54.0	1.100	1.892	23.4	20.2

239166 2006 KF_{41} 11 17.2 130°.68 2°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.41	+13 12.8	1.870	2.744	12.1	20.6
10 28	3 48.72	+12 42.0	1.814	2.751	8.5	20.4
11 7	3 40.21	+12 10.5	1.783	2.757	4.6	20.2
11 17	3 30.77	+11 41.4	1.780	2.764	2.6	20.0
11 27	3 21.48	+11 18.5	1.807	2.770	5.5	20.2
12 7	3 13.35	+11 5.1	1.861	2.776	9.2	20.5
12 17	3 7.16	+11 3.0	1.941	2.782	12.6	20.7
12 27	3 3.42	+11 13.2	2.042	2.787	15.5	20.9

266049 2006 KL_{99} 11 17.2 236°.01 5°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.89	− 2 15.5	2.955	3.801	9.0	21.0
10 28	3 45.17	− 3 1.1	2.885	3.787	7.2	20.8
11 7	3 38.28	− 3 38.6	2.842	3.772	6.0	20.7
11 17	3 30.74	− 4 4.6	2.827	3.757	5.9	20.7
11 27	3 23.19	− 4 16.2	2.842	3.742	7.1	20.8
12 7	3 16.26	− 4 12.2	2.884	3.726	9.0	20.9
12 17	3 10.48	− 3 52.7	2.951	3.709	10.9	21.0
12 27	3 6.26	− 3 19.0	3.038	3.692	12.6	21.1

242359 2004 BV_{144} 11 17.2 12°.24 5°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.23	+ 5 22.5	1.105	1.997	17.2	18.0
10 28	3 50.81	+ 5 59.1	1.061	2.003	12.5	17.8
11 7	3 41.57	+ 6 49.4	1.039	2.010	7.8	17.6
11 17	3 30.80	+ 7 54.3	1.040	2.019	5.4	17.5
11 27	3 20.23	+ 9 13.2	1.067	2.030	8.3	17.7
12 7	3 11.50	+10 42.9	1.117	2.043	12.8	17.9
12 17	3 5.72	+12 20.1	1.190	2.057	17.1	18.3
12 27	3 3.48	+14 1.6	1.282	2.073	20.7	18.5

513155 2003 SG_{115} 11 17.2 308°.13 13°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.95	−13 34.3	1.628	2.463	15.6	20.3
10 28	3 46.58	−16 0.4	1.590	2.453	14.3	20.2
11 7	3 39.22	−18 2.6	1.575	2.444	13.9	20.1
11 17	3 30.76	−19 30.4	1.582	2.435	14.6	20.1
11 27	3 22.36	−20 17.3	1.610	2.426	16.1	20.2
12 7	3 15.14	−20 22.5	1.657	2.417	18.0	20.3
12 17	3 9.96	−19 49.6	1.721	2.409	19.9	20.5
12 27	3 7.37	−18 45.3	1.797	2.401	21.6	20.6

205629 2001 VW_{69} 11 17.2 76°.23 4°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.63	+29 37.1	1.208	2.070	18.2	19.8
10 28	3 54.50	+29 38.1	1.168	2.092	13.4	19.6
11 7	3 43.37	+29 17.7	1.149	2.114	8.3	19.4
11 17	3 30.83	+28 36.0	1.154	2.135	4.4	19.2
11 27	3 18.86	+27 38.3	1.186	2.157	6.2	19.4
12 7	3 9.17	+26 34.1	1.243	2.179	10.7	19.7
12 17	3 2.81	+25 32.9	1.324	2.200	15.1	20.1
12 27	3 0.20	+24 42.4	1.424	2.221	18.6	20.4

729 Watsonia 11 17.2 201°.34 8°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.77	− 5 23.4	2.175	3.020	11.8	14.1
10 28	3 47.39	− 6 16.0	2.122	3.018	9.8	14.0
11 7	3 39.48	− 6 55.1	2.094	3.015	8.4	13.9
11 17	3 30.77	− 7 15.6	2.093	3.012	8.3	13.9
11 27	3 22.14	− 7 14.3	2.119	3.009	9.7	14.0
12 7	3 14.46	− 6 50.7	2.170	3.005	11.7	14.1
12 17	3 8.39	− 6 6.4	2.244	3.001	13.9	14.2
12 27	3 4.41	− 5 4.7	2.337	2.997	15.8	14.4

124005 2001 FK_{81} 11 17.2 183°.49 1°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.83	+25 36.3	2.401	3.252	10.6	19.7
10 28	3 46.77	+25 12.5	2.329	3.252	7.6	19.5
11 7	3 39.18	+24 38.6	2.283	3.252	4.3	19.3
11 17	3 30.77	+23 56.2	2.266	3.252	1.5	19.1
11 27	3 22.43	+23 8.1	2.279	3.251	3.5	19.3
12 7	3 15.03	+22 18.6	2.322	3.251	6.8	19.5
12 17	3 9.23	+21 32.1	2.392	3.250	9.9	19.7
12 27	3 5.52	+20 52.2	2.485	3.249	12.5	19.9

9773 1993 MG_1 11 17.2 80°.07 4°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.97	+36 5.4	1.967	2.779	14.2	18.1
10 28	3 53.08	+35 43.5	1.929	2.818	10.9	18.0
11 7	3 42.31	+35 1.1	1.914	2.856	7.5	17.8
11 17	3 30.83	+33 59.1	1.927	2.894	5.1	17.8
11 27	3 19.96	+32 42.0	1.970	2.930	5.4	17.9
12 7	3 10.82	+31 17.2	2.043	2.966	8.0	18.1
12 17	3 4.12	+29 52.6	2.142	3.001	10.9	18.3
12 27	3 0.20	+28 35.0	2.266	3.035	13.4	18.6

367803 2011 AG_{36} 11 17.2 3°.91 3°.6/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.80	+31 18.2	2.167	3.005	12.2	21.3
10 28	3 47.68	+31 12.2	2.096	3.004	9.2	21.1
11 7	3 39.73	+30 51.6	2.049	3.005	6.0	20.9
11 17	3 30.80	+30 16.5	2.029	3.005	3.7	20.8
11 27	3 21.93	+29 29.2	2.038	3.005	4.6	20.8
12 7	3 14.15	+28 34.6	2.076	3.005	7.5	21.0
12 17	3 8.26	+27 38.4	2.141	3.006	10.6	21.2
12 27	3 4.78	+26 46.1	2.228	3.006	13.3	21.4

357430 2003 YP_{135} 11 17.2 358°.82 12°.6/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 49.24	− 6 18.2	0.744	1.649	21.7	17.6
10 28	3 46.09	− 5 36.2	0.699	1.636	17.9	17.3
11 7	3 39.49	− 4 12.3	0.671	1.627	14.3	17.1
11 17	3 30.80	− 2 1.2	0.660	1.623	12.6	17.0
11 27	3 22.10	+ 0 53.5	0.669	1.622	14.1	17.1
12 7	3 15.42	+ 4 18.7	0.698	1.627	17.8	17.3
12 17	3 12.20	+ 7 57.6	0.746	1.635	22.0	17.6
12 27	3 13.17	+11 35.9	0.810	1.648	25.7	17.9

282906 2007 HV_{54} 11 17.2 284°.12 3°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.26	+11 0.3	1.541	2.422	13.8	20.5
10 28	3 49.74	+10 33.7	1.478	2.417	9.8	20.2
11 7	3 40.94	+10 8.6	1.438	2.411	5.7	20.0
11 17	3 30.84	+ 9 48.8	1.425	2.406	3.7	19.8
11 27	3 20.74	+ 9 38.8	1.439	2.400	6.8	20.0
12 7	3 11.95	+ 9 41.4	1.479	2.395	11.1	20.2
12 17	3 5.45	+ 9 58.2	1.544	2.390	15.0	20.5
12 27	3 1.85	+10 29.2	1.627	2.385	18.3	20.7

355052 2006 SM_{95} 11 17.2 105°.36 1°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.54	+24 8.4	1.928	2.786	12.5	20.7
10 28	3 49.67	+24 17.1	1.865	2.792	9.0	20.5
11 7	3 40.80	+24 16.4	1.826	2.797	5.1	20.3
11 17	3 30.85	+24 6.3	1.816	2.802	1.8	20.1
11 27	3 20.96	+23 49.1	1.835	2.807	4.2	20.2
12 7	3 12.27	+23 28.4	1.882	2.812	8.1	20.5
12 17	3 5.63	+23 8.7	1.955	2.817	11.6	20.7
12 27	3 1.59	+22 54.0	2.051	2.822	14.6	20.9

181474 2006 TR_{75} 11 17.2 11°.10 0°.6/16.9 18

10 18	3 57.27	+16 13.3	1.650	2.525	13.4	19.6
10 28	3 50.40	+16 37.1	1.588	2.526	9.4	19.3
11 7	3 41.27	+16 59.0	1.551	2.527	4.9	19.1
11 17	3 30.87	+17 19.4	1.541	2.529	0.6	18.8
11 27	3 20.47	+17 39.6	1.560	2.532	4.9	19.1
12 7	3 11.34	+18 1.3	1.606	2.534	9.4	19.4
12 17	3 4.48	+18 26.5	1.677	2.538	13.3	19.6
12 27	3 0.48	+18 57.3	1.769	2.541	16.5	19.9

53931 2000 GQ_{42} 11 17.2 255°.63 0°.1/17.2 18

10 18	3 56.89	+20 30.4	1.674	2.544	13.5	19.6
10 28	3 50.25	+20 4.6	1.595	2.530	9.6	19.4
11 7	3 41.26	+19 29.6	1.540	2.516	5.0	19.1
11 17	3 30.87	+18 47.6	1.513	2.502	0.1	18.6
11 27	3 20.39	+18 2.9	1.515	2.487	4.9	19.0
12 7	3 11.12	+17 21.2	1.544	2.472	9.7	19.2
12 17	3 4.10	+16 47.6	1.597	2.457	13.9	19.5
12 27	3 0.01	+16 26.2	1.672	2.441	17.5	19.7

523677 2013 UF_{15} 11 17.2 5°.96 0°.1/18.1 17

10 18	3 33.57	+22 55.7	34.534	35.383	0.9	21.8
10 28	3 32.67	+22 53.9	34.460	35.383	0.6	21.7
11 7	3 31.70	+22 51.5	34.414	35.384	0.3	21.7
11 17	3 30.69	+22 48.8	34.398	35.385	0.1	21.7
11 27	3 29.68	+22 45.9	34.413	35.385	0.3	21.7
12 7	3 28.71	+22 42.9	34.458	35.386	0.5	21.7
12 17	3 27.82	+22 39.9	34.532	35.387	0.8	21.8
12 27	3 27.04	+22 37.2	34.633	35.387	1.0	21.8

152119 2004 RN_{255} 11 17.2 138°.96 3°.1/15.6 18

10 18	3 54.40	+ 9 23.9	2.174	3.044	10.9	19.8
10 28	3 47.90	+ 9 14.0	2.113	3.046	7.7	19.6
11 7	3 39.80	+ 9 7.0	2.077	3.047	4.6	19.4
11 17	3 30.86	+ 9 5.2	2.070	3.049	3.2	19.3
11 27	3 21.97	+ 9 10.9	2.093	3.051	5.4	19.5
12 7	3 14.02	+ 9 25.5	2.145	3.053	8.6	19.7
12 17	3 7.73	+ 9 49.8	2.222	3.054	11.6	19.9
12 27	3 3.57	+10 23.5	2.322	3.056	14.1	20.1

106578 2000 WA_{97} 11 17.2 249°.03 1°.1/16.7 18

10 18	3 58.08	+17 46.2	1.539	2.414	14.2	19.9
10 28	3 51.20	+17 23.8	1.465	2.403	10.0	19.6
11 7	3 41.80	+16 55.0	1.415	2.391	5.2	19.3
11 17	3 30.90	+16 22.4	1.391	2.379	1.1	19.0
11 27	3 19.89	+15 50.4	1.396	2.367	5.5	19.2
12 7	3 10.21	+15 24.0	1.428	2.354	10.5	19.5
12 17	3 2.96	+15 7.8	1.483	2.341	14.9	19.7
12 27	2 58.82	+15 4.7	1.559	2.328	18.5	20.0

444521 2006 SP_{92} 11 17.2 50°.87 1°.8/16.1 18

10 18	3 53.34	+16 30.4	1.764	2.642	12.5	21.3
10 28	3 47.41	+15 42.1	1.707	2.647	8.7	21.1
11 7	3 39.61	+14 49.1	1.676	2.653	4.5	20.8
11 17	3 30.85	+13 55.7	1.672	2.658	1.9	20.7
11 27	3 22.25	+13 6.9	1.696	2.664	5.2	20.9
12 7	3 14.87	+12 27.5	1.748	2.670	9.3	21.2
12 17	3 9.47	+12 0.9	1.825	2.675	12.9	21.4
12 27	3 6.55	+11 48.7	1.923	2.682	15.8	21.6

470137 2006 UF_{51} 11 17.2 90°.80 1°.2/17.7 16

10 18	4 1.39	+21 59.8	1.423	2.293	15.5	21.9
10 28	3 53.35	+22 8.6	1.377	2.311	10.9	21.7
11 7	3 42.77	+22 7.6	1.354	2.328	5.9	21.5
11 17	3 30.92	+21 57.0	1.357	2.345	1.3	21.2
11 27	3 19.38	+21 40.1	1.389	2.362	5.1	21.5
12 7	3 9.62	+21 21.7	1.447	2.379	9.9	21.8
12 17	3 2.65	+21 7.1	1.530	2.396	14.0	22.1
12 27	2 58.96	+21 0.3	1.633	2.412	17.4	22.4

370491 2003 SE 11 17.2 114°.37 3°.1/15.6 17

10 18	4 0.05	+12 59.5	1.676	2.547	13.4	21.4
10 28	3 51.88	+12 7.6	1.636	2.572	9.4	21.2
11 7	3 41.81	+11 15.1	1.622	2.595	5.2	21.1
11 17	3 30.90	+10 26.6	1.636	2.618	3.2	21.0
11 27	3 20.40	+ 9 47.2	1.679	2.639	6.2	21.2
12 7	3 11.42	+ 9 20.7	1.751	2.660	10.1	21.5
12 17	3 4.72	+ 9 9.0	1.847	2.680	13.5	21.8
12 27	3 0.73	+ 9 12.5	1.963	2.699	16.3	22.0

165961 2001 XV_{164} 11 17.2 151°.92 1°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.22	+15 13.8	1.529	2.403	14.3	20.3
10 28	3 52.44	+14 54.3	1.473	2.410	10.0	20.1
11 7	3 42.31	+14 31.9	1.440	2.417	5.3	19.8
11 17	3 30.92	+14 9.5	1.436	2.422	2.0	19.6
11 27	3 19.70	+13 51.0	1.459	2.428	5.8	19.9
12 7	3 9.99	+13 40.2	1.510	2.432	10.4	20.2
12 17	3 2.77	+13 40.2	1.586	2.436	14.5	20.4
12 27	2 58.61	+13 52.4	1.681	2.440	17.8	20.7

520686 2014 QA_{461} 11 17.2 70°.29 1°.1/16.6 16

10 18	3 52.84	+16 56.8	2.119	2.990	11.0	21.4
10 28	3 46.85	+16 33.7	2.060	2.997	7.7	21.2
11 7	3 39.27	+16 7.0	2.027	3.003	3.9	21.0
11 17	3 30.86	+15 39.1	2.023	3.010	1.1	20.8
11 27	3 22.56	+15 13.2	2.048	3.017	4.3	21.0
12 7	3 15.27	+14 52.4	2.101	3.024	7.9	21.3
12 17	3 9.68	+14 39.4	2.181	3.031	11.1	21.5
12 27	3 6.24	+14 36.0	2.283	3.038	13.7	21.7

169092 2001 KN_{21} 11 17.2 32°.42 1°.8/16.8 18

10 18	3 59.22	+12 52.0	1.394	2.275	15.0	18.6
10 28	3 51.86	+13 27.4	1.347	2.288	10.5	18.4
11 7	3 42.05	+14 4.7	1.324	2.301	5.5	18.2
11 17	3 30.93	+14 44.0	1.327	2.314	1.8	18.0
11 27	3 20.00	+15 25.6	1.358	2.329	5.7	18.3
12 7	3 10.69	+16 10.2	1.416	2.344	10.4	18.6
12 17	3 3.99	+16 58.4	1.498	2.360	14.5	18.9
12 27	3 0.47	+17 50.9	1.600	2.376	17.8	19.1

212181 2005 GH_{79} 11 17.2 256°.11 7°.0/14.1 18

10 18	3 55.80	+ 0 0.0	1.848	2.711	12.8	19.7
10 28	3 49.08	− 0 29.5	1.789	2.707	10.0	19.5
11 7	3 40.50	− 0 47.5	1.755	2.703	7.6	19.3
11 17	3 30.90	− 0 49.5	1.747	2.699	7.1	19.3
11 27	3 21.36	− 0 32.3	1.767	2.694	8.9	19.4
12 7	3 12.91	+ 0 4.3	1.814	2.690	11.7	19.6
12 17	3 6.38	+ 0 58.9	1.883	2.686	14.5	19.7
12 27	3 2.29	+ 2 8.5	1.973	2.682	17.0	19.9

183151 2002 RU_{261} 11 17.2 42°.07 1°.6/16.5 18

10 18	3 55.87	+18 35.3	1.127	2.020	16.8	19.5
10 28	3 49.74	+17 43.1	1.089	2.035	11.7	19.2
11 7	3 40.96	+16 42.8	1.071	2.050	6.0	19.0
11 17	3 30.91	+15 40.1	1.079	2.066	1.6	18.7
11 27	3 21.29	+14 42.9	1.111	2.083	6.4	19.1
12 7	3 13.61	+13 58.3	1.168	2.100	11.7	19.5
12 17	3 8.82	+13 30.7	1.247	2.118	16.2	19.8
12 27	3 7.37	+13 21.8	1.344	2.136	19.8	20.1

359277 2009 HF_{6} 11 17.2 76°.16 4°.6/14.5 18

10 18	3 53.46	+ 8 16.7	1.841	2.718	12.1	20.9
10 28	3 47.30	+ 7 17.7	1.798	2.732	8.7	20.8
11 7	3 39.49	+ 6 22.5	1.780	2.747	5.6	20.6
11 17	3 30.88	+ 5 36.1	1.790	2.761	4.7	20.6
11 27	3 22.51	+ 5 3.0	1.828	2.776	7.0	20.7
12 7	3 15.32	+ 4 46.1	1.893	2.790	10.2	21.0
12 17	3 9.99	+ 4 46.0	1.982	2.804	13.2	21.2
12 27	3 6.95	+ 5 1.9	2.091	2.819	15.7	21.4

81686 2000 JM_{9} 11 17.2 60°.29 1°.5/17.9 18

10 18	3 56.30	+23 21.9	1.737	2.602	13.4	18.9
10 28	3 49.59	+23 25.1	1.683	2.613	9.5	18.6
11 7	3 40.79	+23 18.6	1.652	2.625	5.3	18.4
11 17	3 30.91	+23 3.1	1.649	2.636	1.5	18.2
11 27	3 21.19	+22 41.4	1.675	2.648	4.4	18.4
12 7	3 12.81	+22 17.8	1.728	2.660	8.5	18.7
12 17	3 6.64	+21 56.8	1.806	2.672	12.2	19.0
12 27	3 3.21	+21 42.4	1.906	2.684	15.3	19.2

422428 2014 SU_{287} 11 17.2 19°.51 4°.0/18.9 17

10 18	3 55.91	+28 13.5	1.695	2.551	14.1	20.2
10 28	3 49.55	+28 55.2	1.639	2.559	10.5	20.0
11 7	3 40.88	+29 23.9	1.606	2.568	6.7	19.8
11 17	3 30.91	+29 37.7	1.599	2.577	4.1	19.6
11 27	3 21.00	+29 37.4	1.620	2.588	5.4	19.8
12 7	3 12.45	+29 26.7	1.668	2.599	8.9	20.0
12 17	3 6.25	+29 11.0	1.741	2.611	12.4	20.2
12 27	3 3.00	+28 55.9	1.835	2.624	15.4	20.5

294435 2007 VW_{263} 11 17.2 88°.17 0°.5/17.4 16

10 18	4 2.00	+20 43.3	1.319	2.193	16.2	21.2
10 28	3 53.85	+20 43.9	1.276	2.213	11.3	21.0
11 7	3 43.05	+20 35.2	1.257	2.232	5.9	20.7
11 17	3 30.96	+20 18.6	1.263	2.252	0.6	20.4
11 27	3 19.28	+19 57.8	1.297	2.271	5.3	20.8
12 7	3 9.53	+19 38.2	1.357	2.289	10.4	21.1
12 17	3 2.70	+19 24.7	1.441	2.308	14.7	21.4
12 27	2 59.29	+19 21.0	1.545	2.326	18.2	21.7

516617 2007 UN_{47} 11 17.2 31°.67 4°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.18	+ 6 31.5	1.332	2.214	15.6	19.8
10 28	3 51.81	+ 6 54.1	1.289	2.226	11.2	19.6
11 7	3 42.00	+ 7 26.1	1.270	2.240	6.9	19.4
11 17	3 30.95	+ 8 9.0	1.276	2.254	4.7	19.3
11 27	3 20.16	+ 9 3.2	1.309	2.270	7.4	19.5
12 7	3 11.05	+10 7.7	1.368	2.286	11.6	19.8
12 17	3 4.57	+11 20.6	1.450	2.302	15.5	20.1
12 27	3 1.27	+12 40.0	1.552	2.319	18.7	20.3

478508 2012 SV_{28} 11 17.2 59°.05 4°.4/19.5 18

10 18	3 59.32	+30 31.5	1.365	2.221	16.8	20.7
10 28	3 52.08	+30 32.7	1.321	2.241	12.5	20.5
11 7	3 42.16	+30 13.6	1.298	2.260	8.0	20.3
11 17	3 30.95	+29 34.4	1.301	2.280	4.6	20.2
11 27	3 20.16	+28 39.5	1.330	2.300	5.9	20.3
12 7	3 11.31	+27 37.2	1.386	2.321	9.9	20.6
12 17	3 5.39	+26 36.2	1.465	2.341	13.9	20.9
12 27	3 2.87	+25 43.7	1.565	2.361	17.3	21.1

493210 2014 UA_{48} 11 17.2 29°.00 0°.3/17.1 18

10 18	3 52.80	+18 58.0	1.857	2.731	12.2	20.6
10 28	3 47.01	+18 46.0	1.803	2.741	8.5	20.4
11 7	3 39.42	+18 28.7	1.773	2.750	4.4	20.1
11 17	3 30.90	+18 8.0	1.772	2.760	0.3	19.8
11 27	3 22.52	+17 47.0	1.798	2.771	4.3	20.2
12 7	3 15.29	+17 29.3	1.853	2.782	8.3	20.4
12 17	3 9.97	+17 18.0	1.932	2.793	11.8	20.7
12 27	3 7.06	+17 15.4	2.034	2.805	14.7	20.9

331513 2000 CU_{19} 11 17.2 316°.64 11°.9/ 8.2 17

10 18	3 51.00	−11 57.9	1.857	2.692	14.0	20.1
10 28	3 45.91	−13 28.2	1.795	2.666	12.5	19.9
11 7	3 38.95	−14 39.4	1.756	2.641	11.9	19.9
11 17	3 30.89	−15 23.5	1.739	2.616	12.3	19.8
11 27	3 22.74	−15 34.8	1.746	2.591	13.8	19.9
12 7	3 15.52	−15 12.2	1.774	2.567	15.7	20.0
12 17	3 10.08	−14 17.9	1.820	2.543	17.9	20.1
12 27	3 7.00	−12 56.7	1.882	2.520	19.8	20.2

265975 2006 DB_{24} 11 17.2 93°.17 4°.7/14.0 18

10 18	3 51.32	+ 5 41.0	2.256	3.126	10.5	20.9
10 28	3 45.68	+ 4 50.6	2.202	3.131	7.7	20.7
11 7	3 38.64	+ 4 5.0	2.175	3.136	5.4	20.6
11 17	3 30.89	+ 3 28.3	2.176	3.140	4.8	20.6
11 27	3 23.25	+ 3 4.1	2.206	3.145	6.6	20.7
12 7	3 16.49	+ 2 54.6	2.263	3.149	9.3	20.9
12 17	3 11.24	+ 3 0.2	2.345	3.154	11.8	21.1
12 27	3 7.92	+ 3 20.2	2.448	3.158	14.1	21.2

444515 2006 SL_{65} 11 17.2 330°.88 13°.1/ 5.6 17

10 18	3 48.44	− 4 58.3	1.339	2.217	15.7	20.2
10 28	3 44.60	− 8 2.0	1.282	2.190	13.8	20.0
11 7	3 38.45	−10 52.8	1.247	2.164	13.1	19.9
11 17	3 30.90	−13 15.1	1.237	2.139	14.3	19.9
11 27	3 23.21	−14 56.4	1.249	2.116	16.7	20.0
12 7	3 16.70	−15 50.8	1.280	2.093	19.6	20.1
12 17	3 12.40	−15 59.3	1.327	2.072	22.4	20.3
12 27	3 11.02	−15 27.5	1.386	2.052	24.8	20.4

11838 1986 PJ_{1} 11 17.2 103°.17 2°.1/16.0 18

10 18	3 57.46	+14 11.3	2.002	2.870	11.7	19.3
10 28	3 49.93	+13 38.6	1.962	2.896	8.1	19.1
11 7	3 40.79	+13 4.5	1.947	2.921	4.3	19.0
11 17	3 30.95	+12 32.2	1.962	2.946	2.2	18.9
11 27	3 21.43	+12 5.2	2.007	2.970	5.0	19.1
12 7	3 13.14	+11 46.5	2.080	2.994	8.5	19.4
12 17	3 6.78	+11 38.0	2.180	3.017	11.6	19.6
12 27	3 2.73	+11 40.8	2.302	3.039	14.1	19.8

181571 2006 VT_{23} 11 17.2 88°.21 0°.8/16.8 18

10 18	3 54.96	+17 47.8	1.909	2.780	12.1	20.9
10 28	3 48.47	+17 30.3	1.852	2.788	8.4	20.6
11 7	3 40.18	+17 8.3	1.821	2.797	4.3	20.4
11 17	3 30.95	+16 43.9	1.818	2.806	0.8	20.2
11 27	3 21.86	+16 20.5	1.844	2.815	4.4	20.5
12 7	3 13.94	+16 1.5	1.898	2.823	8.4	20.7
12 17	3 7.94	+15 50.0	1.978	2.832	11.9	21.0
12 27	3 4.36	+15 47.9	2.080	2.840	14.7	21.2

411475 2011 AC 11 17.2 344°.70 4°.9/20.2 17

10 18	3 53.33	+33 22.3	1.727	2.569	14.5	20.2
10 28	3 47.87	+33 20.0	1.653	2.561	11.2	19.9
11 7	3 40.08	+32 58.3	1.601	2.554	7.7	19.7
11 17	3 30.95	+32 16.4	1.575	2.548	5.1	19.5
11 27	3 21.84	+31 16.9	1.576	2.542	5.8	19.6
12 7	3 14.05	+30 6.5	1.604	2.537	9.0	19.8
12 17	3 8.59	+28 53.1	1.657	2.533	12.6	20.0
12 27	3 6.06	+27 44.4	1.732	2.529	15.8	20.2

47570 2000 AM_{162} 11 17.2 304°.79 8°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 53.99	− 1 30.3	1.692	2.559	13.6	18.5
10 28	3 48.01	− 2 25.0	1.633	2.549	10.8	18.3
11 7	3 40.04	− 3 6.8	1.597	2.539	8.8	18.1
11 17	3 30.96	− 3 29.5	1.587	2.529	8.6	18.1
11 27	3 21.89	− 3 28.3	1.603	2.519	10.4	18.2
12 7	3 13.94	− 3 2.3	1.643	2.510	13.2	18.3
12 17	3 7.98	− 2 13.0	1.705	2.501	16.1	18.5
12 27	3 4.58	− 1 4.2	1.785	2.492	18.6	18.7

438489 2007 GS_{26} 11 17.2 143°.87 1°.9/16.2 18

10 18	3 57.06	+14 50.5	1.967	2.835	11.9	22.5
10 28	3 49.84	+14 20.0	1.911	2.846	8.3	22.3
11 7	3 40.86	+13 47.2	1.881	2.856	4.4	22.0
11 17	3 30.99	+13 15.1	1.879	2.865	2.0	21.9
11 27	3 21.29	+12 47.2	1.908	2.874	5.0	22.1
12 7	3 12.76	+12 27.0	1.966	2.882	8.7	22.4
12 17	3 6.15	+12 17.0	2.049	2.889	12.1	22.6
12 27	3 1.95	+12 18.5	2.154	2.896	14.8	22.8

441295 2007 YG_{35} 11 17.2 340°.93 4°.5/19.7 17

10 18	3 54.41	+31 15.4	1.510	2.365	15.5	20.9
10 28	3 48.85	+31 14.4	1.439	2.357	11.8	20.7
11 7	3 40.68	+30 53.8	1.389	2.349	7.8	20.4
11 17	3 30.99	+30 12.9	1.365	2.343	4.7	20.2
11 27	3 21.29	+29 14.9	1.367	2.336	5.9	20.3
12 7	3 13.06	+28 7.0	1.395	2.331	9.8	20.5
12 17	3 7.42	+26 57.8	1.447	2.326	13.8	20.7
12 27	3 5.02	+25 55.6	1.520	2.322	17.4	21.0

226262 2003 AD_{30} 11 17.2 289°.82 1°.9/16.4 18

10 18	3 56.17	+16 2.6	1.476	2.358	14.3	20.8
10 28	3 50.01	+15 36.4	1.400	2.341	10.1	20.5
11 7	3 41.30	+15 5.5	1.348	2.325	5.3	20.2
11 17	3 31.02	+14 33.0	1.321	2.308	1.9	20.0
11 27	3 20.57	+14 3.7	1.322	2.291	6.0	20.2
12 7	3 11.39	+13 42.8	1.349	2.275	11.0	20.4
12 17	3 4.62	+13 34.0	1.399	2.258	15.5	20.6
12 27	3 0.99	+13 39.9	1.468	2.242	19.3	20.9

443042 2013 EN_{95} 11 17.2 46°.96 0°.9/17.7 18

10 18	3 55.28	+22 4.8	1.763	2.631	13.0	21.0
10 28	3 48.91	+21 59.5	1.704	2.638	9.2	20.8
11 7	3 40.50	+21 45.5	1.670	2.644	5.0	20.5
11 17	3 31.00	+21 24.2	1.662	2.651	0.9	20.3
11 27	3 21.62	+20 58.7	1.684	2.657	4.3	20.5
12 7	3 13.50	+20 33.2	1.733	2.664	8.5	20.8
12 17	3 7.50	+20 11.9	1.807	2.672	12.3	21.1
12 27	3 4.17	+19 58.6	1.903	2.679	15.4	21.3

361977 2008 KS_{16} 11 17.2 119°.28 4°.9/14.2 18

10 18	3 52.67	+ 4 50.2	2.242	3.110	10.7	21.0
10 28	3 46.62	+ 4 7.1	2.191	3.117	7.9	20.8
11 7	3 39.15	+ 3 29.8	2.166	3.125	5.5	20.7
11 17	3 30.97	+ 3 2.0	2.170	3.132	5.0	20.7
11 27	3 22.92	+ 2 47.0	2.202	3.140	6.7	20.8
12 7	3 15.80	+ 2 46.6	2.262	3.147	9.3	21.0
12 17	3 10.22	+ 3 0.8	2.347	3.154	11.9	21.2
12 27	3 6.61	+ 3 28.7	2.453	3.160	14.1	21.3

86865 2000 HV_{16} 11 17.2 86°.12 1°.3/16.6 18

10 18	3 58.41	+17 20.6	1.539	2.414	14.2	20.0
10 28	3 51.03	+16 51.8	1.496	2.434	9.8	19.7
11 7	3 41.52	+16 18.2	1.478	2.454	5.0	19.5
11 17	3 31.02	+15 42.9	1.486	2.474	1.3	19.3
11 27	3 20.88	+15 10.5	1.524	2.494	5.3	19.6
12 7	3 12.31	+14 45.5	1.588	2.513	9.7	19.9
12 17	3 6.15	+14 31.3	1.677	2.532	13.6	20.2
12 27	3 2.86	+14 29.6	1.786	2.551	16.7	20.5

338904 2004 DN_{1} 11 17.2 166°.21 10°.5/11.0 16

10 18	3 57.20	−11 22.4	2.046	2.867	13.4	21.4
10 28	3 49.84	−12 34.2	2.007	2.873	11.6	21.3
11 7	3 40.83	−13 26.6	1.992	2.878	10.6	21.3
11 17	3 31.02	−13 53.5	2.002	2.883	10.7	21.3
11 27	3 21.39	−13 51.9	2.038	2.887	11.9	21.4
12 7	3 12.89	−13 22.0	2.097	2.890	13.7	21.5
12 17	3 6.23	−12 27.2	2.177	2.892	15.5	21.6
12 27	3 1.86	−11 12.1	2.275	2.893	17.2	21.8

237446 1999 TL_{75} 11 17.2 100°.22 2°.0/15.9 18

10 18	3 54.18	+17 17.8	1.720	2.597	12.8	20.2
10 28	3 48.07	+16 8.5	1.660	2.600	8.9	20.0
11 7	3 40.03	+14 52.6	1.626	2.603	4.7	19.7
11 17	3 31.00	+13 35.4	1.619	2.605	2.0	19.6
11 27	3 22.13	+12 23.4	1.642	2.608	5.5	19.8
12 7	3 14.52	+11 22.8	1.692	2.611	9.7	20.1
12 17	3 8.97	+10 37.6	1.767	2.614	13.4	20.3
12 27	3 5.98	+10 10.1	1.862	2.616	16.4	20.5

332272 2006 SQ_{145} 11 17.2 176°.50 2°.1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.65	+15 58.2	1.617	2.492	13.6	21.6
10 28	3 50.63	+15 13.2	1.556	2.494	9.5	21.4
11 7	3 41.42	+14 23.5	1.519	2.495	5.0	21.1
11 17	3 31.04	+13 33.2	1.510	2.496	2.1	20.9
11 27	3 20.78	+12 47.6	1.530	2.497	5.8	21.2
12 7	3 11.89	+12 12.1	1.577	2.496	10.2	21.4
12 17	3 5.28	+11 50.1	1.648	2.496	14.1	21.7
12 27	3 1.51	+11 43.5	1.739	2.495	17.4	21.9

68133 2001 AQ_{18} 11 17.2 31°.65 7°.8/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.60	+38 13.1	1.693	2.508	16.0	17.5
10 28	3 53.25	+39 5.4	1.628	2.510	13.0	17.3
11 7	3 43.02	+39 35.8	1.585	2.513	10.0	17.1
11 17	3 31.08	+39 39.8	1.566	2.515	8.0	17.0
11 27	3 19.09	+39 17.3	1.574	2.518	8.2	17.1
12 7	3 8.70	+38 33.4	1.607	2.521	10.5	17.2
12 17	3 1.15	+37 36.7	1.665	2.524	13.4	17.4
12 27	2 57.13	+36 36.7	1.744	2.527	16.3	17.6

198746 2005 EC_{51} 11 17.2 273°.25 0°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.96	+17 21.7	2.414	3.281	10.0	20.2
10 28	3 46.27	+16 58.7	2.332	3.267	7.0	20.0
11 7	3 39.07	+16 31.7	2.277	3.253	3.6	19.8
11 17	3 30.99	+16 2.8	2.252	3.239	0.9	19.6
11 27	3 22.87	+15 34.7	2.256	3.225	3.9	19.8
12 7	3 15.52	+15 10.7	2.289	3.211	7.4	20.0
12 17	3 9.64	+14 53.3	2.350	3.197	10.5	20.1
12 27	3 5.73	+14 44.9	2.433	3.183	13.1	20.3

375183 2008 DV_{63} 11 17.2 342°.27 3°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.49	+14 8.1	1.071	1.971	16.9	20.4
10 28	3 49.30	+13 40.2	1.013	1.962	12.0	20.1
11 7	3 41.08	+13 10.1	0.975	1.953	6.5	19.8
11 17	3 31.04	+12 42.5	0.960	1.946	3.2	19.6
11 27	3 20.96	+12 23.5	0.970	1.940	7.6	19.8
12 7	3 12.59	+12 18.4	1.002	1.935	13.1	20.1
12 17	3 7.22	+12 29.9	1.055	1.930	18.1	20.4
12 27	3 5.56	+12 58.7	1.125	1.927	22.3	20.7

520575 2014 NC_{71} 11 17.2 13°.84 1°.4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.32	+16 13.5	1.450	2.338	14.1	20.2
10 28	3 47.05	+16 1.3	1.400	2.344	9.8	19.9
11 7	3 39.60	+15 45.8	1.374	2.352	5.1	19.7
11 17	3 31.00	+15 29.9	1.373	2.361	1.5	19.4
11 27	3 22.56	+15 17.3	1.399	2.371	5.4	19.7
12 7	3 15.51	+15 11.5	1.451	2.382	9.9	20.0
12 17	3 10.74	+15 15.2	1.526	2.394	13.9	20.3
12 27	3 8.78	+15 29.8	1.621	2.407	17.2	20.6

6868 Seiyauyeda 11 17.2 219°.02 1°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.98	+15 44.7	2.145	3.013	11.0	17.5
10 28	3 48.47	+15 18.2	2.071	3.006	7.7	17.3
11 7	3 40.23	+14 48.5	2.023	2.999	4.1	17.1
11 17	3 31.03	+14 18.1	2.004	2.991	1.5	16.9
11 27	3 21.82	+13 50.3	2.016	2.983	4.6	17.1
12 7	3 13.55	+13 28.5	2.056	2.974	8.3	17.3
12 17	3 7.00	+13 15.4	2.122	2.965	11.6	17.5
12 27	3 2.69	+13 13.0	2.211	2.956	14.4	17.7

56045 1998 XD_{21} 11 17.2 107°.44 2°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.96	+15 19.9	1.362	2.243	15.3	18.0
10 28	3 52.40	+14 49.7	1.315	2.256	10.7	17.7
11 7	3 42.36	+14 16.1	1.291	2.268	5.6	17.5
11 17	3 31.09	+13 43.2	1.294	2.280	2.3	17.3
11 27	3 20.13	+13 15.8	1.324	2.292	6.2	17.6
12 7	3 10.88	+12 58.6	1.380	2.304	11.0	17.9
12 17	3 4.32	+12 54.5	1.460	2.315	15.2	18.2
12 27	3 0.96	+13 4.6	1.559	2.326	18.6	18.5

393557 2003 FK_{35} 11 17.2 299°.10 3°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.10	+27 10.2	1.469	2.332	15.5	21.1
10 28	3 51.65	+27 33.3	1.391	2.316	11.5	20.8
11 7	3 42.31	+27 42.5	1.334	2.301	7.1	20.6
11 17	3 31.10	+27 35.6	1.304	2.286	3.7	20.3
11 27	3 19.62	+27 14.1	1.299	2.271	5.8	20.4
12 7	3 9.53	+26 42.9	1.321	2.256	10.3	20.6
12 17	3 2.15	+26 9.2	1.367	2.242	14.8	20.9
12 27	2 58.30	+25 40.1	1.433	2.227	18.7	21.1

422158 2014 RY_{4} 11 17.2 62°.23 3°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.93	+31 32.9	2.052	2.889	12.7	20.9
10 28	3 48.55	+31 27.4	1.991	2.899	9.6	20.7
11 7	3 40.29	+31 6.5	1.953	2.909	6.3	20.6
11 17	3 31.05	+30 30.3	1.943	2.918	3.9	20.4
11 27	3 21.97	+29 41.7	1.961	2.928	4.7	20.5
12 7	3 14.11	+28 45.9	2.008	2.938	7.7	20.7
12 17	3 8.27	+27 48.8	2.082	2.948	10.8	20.9
12 27	3 4.92	+26 56.2	2.178	2.958	13.5	21.1

272176 2005 OR_{21} 11 17.2 48°.41 5°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.93	+30 33.4	1.270	2.130	17.6	19.7
10 28	3 52.86	+30 59.5	1.223	2.143	13.3	19.5
11 7	3 42.78	+31 5.3	1.197	2.157	8.7	19.3
11 17	3 31.11	+30 48.7	1.194	2.172	5.4	19.1
11 27	3 19.73	+30 12.7	1.218	2.186	6.6	19.2
12 7	3 10.35	+29 25.0	1.266	2.201	10.7	19.5
12 17	3 4.14	+28 34.7	1.338	2.217	14.8	19.8
12 27	3 1.63	+27 50.0	1.430	2.232	18.3	20.1

130299 2000 EQ_{68} 11 17.2 156°.52 3°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.62	+ 8 18.0	2.649	3.517	9.2	20.2
10 28	3 45.09	+ 7 23.7	2.590	3.521	6.6	20.0
11 7	3 38.36	+ 6 31.4	2.560	3.525	4.3	19.9
11 17	3 31.02	+ 5 44.9	2.558	3.528	3.7	19.8
11 27	3 23.76	+ 5 7.6	2.587	3.531	5.4	19.9
12 7	3 17.26	+ 4 41.8	2.644	3.534	7.9	20.1
12 17	3 12.05	+ 4 29.0	2.728	3.537	10.3	20.3
12 27	3 8.52	+ 4 29.2	2.833	3.539	12.4	20.4

185968 2001 HT_{51} 11 17.2 206°.71 0°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.38	+19 28.9	1.808	2.672	13.0	21.4
10 28	3 51.87	+19 24.1	1.735	2.667	9.1	21.1
11 7	3 42.13	+19 12.8	1.687	2.662	4.8	20.9
11 17	3 31.11	+18 56.3	1.668	2.656	0.1	20.5
11 27	3 20.04	+18 37.2	1.678	2.650	4.6	20.8
12 7	3 10.18	+18 19.6	1.716	2.642	9.0	21.1
12 17	3 2.50	+18 7.2	1.780	2.635	13.0	21.3
12 27	2 57.62	+18 3.4	1.866	2.626	16.2	21.5

305158 2007 VQ_{220} 11 17.3 56°.19 0°.4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.40	+20 18.9	1.742	2.615	12.9	20.4
10 28	3 48.29	+19 39.7	1.682	2.618	9.0	20.1
11 7	3 40.20	+18 52.2	1.646	2.622	4.7	19.9
11 17	3 31.08	+17 59.6	1.638	2.626	0.4	19.6
11 27	3 22.11	+17 6.9	1.658	2.630	4.6	19.9
12 7	3 14.38	+16 19.4	1.706	2.635	8.9	20.2
12 17	3 8.74	+15 41.9	1.780	2.639	12.7	20.4
12 27	3 5.69	+15 17.2	1.874	2.643	15.8	20.6

277341 2005 TO_{68} 11 17.3 284°.03 2°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.77	+14 11.6	1.472	2.355	14.2	21.2
10 28	3 49.64	+13 27.5	1.403	2.344	10.0	20.9
11 7	3 41.09	+12 39.9	1.357	2.333	5.5	20.7
11 17	3 31.12	+11 53.6	1.338	2.323	3.0	20.5
11 27	3 21.10	+11 14.3	1.346	2.312	6.6	20.7
12 7	3 12.40	+10 47.5	1.380	2.301	11.3	20.9
12 17	3 6.07	+10 36.4	1.437	2.290	15.6	21.1
12 27	3 2.77	+10 42.5	1.514	2.280	19.1	21.4

281598 2008 UP_{167} 11 17.3 61°.20 1°.3/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.23	+17 58.4	1.454	2.335	14.5	20.9
10 28	3 49.68	+17 18.5	1.409	2.350	10.1	20.6
11 7	3 40.93	+16 32.6	1.388	2.365	5.2	20.4
11 17	3 31.11	+15 44.7	1.393	2.381	1.3	20.2
11 27	3 21.61	+15 0.3	1.426	2.397	5.5	20.5
12 7	3 13.68	+14 24.8	1.485	2.413	10.1	20.8
12 17	3 8.17	+14 1.9	1.568	2.429	14.1	21.1
12 27	3 5.56	+13 53.7	1.672	2.445	17.3	21.4

356165 2009 HU_{45} 11 17.3 294°.07 4°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.58	+11 33.0	1.745	2.627	12.4	20.3
10 28	3 47.06	+10 7.7	1.676	2.615	8.9	20.1
11 7	3 39.61	+ 8 40.0	1.632	2.604	5.5	19.9
11 17	3 31.09	+ 7 16.6	1.616	2.592	4.4	19.8
11 27	3 22.58	+ 6 4.7	1.629	2.581	7.2	19.9
12 7	3 15.16	+ 5 10.0	1.668	2.570	11.0	20.1
12 17	3 9.66	+ 4 35.7	1.730	2.559	14.5	20.3
12 27	3 6.66	+ 4 22.5	1.813	2.548	17.5	20.5

414004 2007 GP_{17} 11 17.3 181°.83 2°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.66	+28 12.9	2.319	3.159	11.3	21.5
10 28	3 49.00	+28 29.6	2.246	3.160	8.4	21.3
11 7	3 40.56	+28 35.5	2.199	3.160	5.3	21.1
11 17	3 31.11	+28 30.0	2.180	3.160	3.0	21.0
11 27	3 21.65	+28 14.4	2.191	3.159	4.2	21.1
12 7	3 13.16	+27 51.9	2.232	3.159	7.2	21.3
12 17	3 6.42	+27 26.7	2.299	3.159	10.2	21.5
12 27	3 2.00	+27 3.2	2.390	3.158	12.8	21.6

293629 2007 NW_{2} 11 17.3 166°.92 0°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.36	+18 6.1	2.842	3.703	8.8	20.9
10 28	3 45.59	+17 26.8	2.774	3.707	6.1	20.7
11 7	3 38.63	+16 43.4	2.735	3.710	3.1	20.5
11 17	3 31.07	+15 58.1	2.725	3.713	0.8	20.4
11 27	3 23.59	+15 14.0	2.747	3.715	3.4	20.6
12 7	3 16.84	+14 34.2	2.799	3.717	6.3	20.8
12 17	3 11.38	+14 1.3	2.879	3.719	9.0	21.0
12 27	3 7.58	+13 37.3	2.982	3.721	11.2	21.1

157791 1992 SK_3 11 17.3 353°.02 5°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 50.96	+ 6 41.6	1.841	2.721	12.0	19.0
10 28	3 45.78	+ 5 45.2	1.784	2.718	8.8	18.8
11 7	3 38.89	+ 4 53.3	1.751	2.715	6.0	18.7
11 17	3 31.07	+ 4 11.1	1.745	2.713	5.3	18.6
11 27	3 23.33	+ 3 43.4	1.767	2.711	7.5	18.7
12 7	3 16.60	+ 3 32.9	1.815	2.710	10.6	18.9
12 17	3 11.65	+ 3 40.3	1.886	2.709	13.7	19.1
12 27	3 8.97	+ 4 4.7	1.977	2.709	16.3	19.3

521477 2015 OD_{93} 11 17.3 97°.55 3°.5/18.9 18

10 18	3 59.23	+28 16.9	1.875	2.721	13.4	21.1
10 28	3 51.76	+28 47.5	1.815	2.730	10.0	20.9
11 7	3 42.08	+29 5.3	1.778	2.739	6.3	20.7
11 17	3 31.17	+29 8.8	1.770	2.748	3.6	20.6
11 27	3 20.32	+28 59.3	1.790	2.757	5.0	20.7
12 7	3 10.79	+28 40.6	1.838	2.766	8.4	20.9
12 17	3 3.51	+28 17.9	1.913	2.775	11.8	21.1
12 27	2 59.09	+27 56.7	2.009	2.784	14.7	21.4

81004 2000 ER_{32} 11 17.3 57°.54 3°.7/18.7 18

10 18	4 0.90	+26 52.1	1.314	2.180	16.8	18.7
10 28	3 53.41	+27 22.8	1.268	2.195	12.3	18.5
11 7	3 43.06	+27 37.9	1.243	2.210	7.5	18.2
11 17	3 31.19	+27 36.0	1.243	2.226	3.8	18.1
11 27	3 19.59	+27 19.2	1.270	2.242	5.9	18.2
12 7	3 9.90	+26 53.6	1.323	2.258	10.3	18.5
12 17	3 3.25	+26 26.4	1.399	2.274	14.5	18.8
12 27	3 0.18	+26 4.2	1.495	2.291	18.0	19.1

77447 2001 HU_4 11 17.3 156°.65 1°.3/18.1 18

10 18	3 55.78	+25 23.3	2.099	2.951	11.9	19.7
10 28	3 49.03	+24 46.4	2.032	2.957	8.5	19.5
11 7	3 40.53	+23 57.9	1.991	2.961	4.7	19.3
11 17	3 31.14	+22 59.9	1.979	2.966	1.3	19.0
11 27	3 21.89	+21 56.5	1.997	2.970	3.8	19.2
12 7	3 13.79	+20 53.1	2.044	2.974	7.6	19.5
12 17	3 7.58	+19 55.2	2.119	2.977	11.0	19.7
12 27	3 3.74	+19 7.0	2.216	2.980	13.9	19.9

303502 2005 EW_{148} 11 17.3 159°.81 1°.4/16.5 18

10 18	3 55.46	+16 10.6	2.004	2.874	11.6	21.4
10 28	3 48.84	+15 47.5	1.942	2.877	8.1	21.2
11 7	3 40.46	+15 21.0	1.905	2.880	4.2	21.0
11 17	3 31.14	+14 53.7	1.896	2.883	1.4	20.8
11 27	3 21.90	+14 28.9	1.917	2.886	4.6	21.0
12 7	3 13.73	+14 10.0	1.967	2.888	8.4	21.3
12 17	3 7.41	+13 59.7	2.043	2.890	11.8	21.5
12 27	3 3.43	+13 59.7	2.140	2.891	14.7	21.7

220370 2003 OO_{12} 11 17.3 36°.36 6°.2/22.4 18

10 18	3 57.66	+40 10.0	1.565	2.381	17.0	18.0
10 28	3 50.61	+39 17.4	1.525	2.412	13.4	17.8
11 7	3 41.30	+37 56.4	1.507	2.443	9.7	17.7
11 17	3 31.16	+36 9.1	1.514	2.476	6.8	17.6
11 27	3 21.74	+34 3.2	1.549	2.509	6.6	17.6
12 7	3 14.31	+31 50.0	1.611	2.542	9.1	17.9
12 17	3 9.58	+29 41.0	1.700	2.576	12.3	18.1
12 27	3 7.85	+27 45.1	1.813	2.610	15.2	18.4

271881 2004 UO_9 11 17.3 25°.32 23°.4/27.9 17

10 18	4 16.12	+56 35.0	0.932	1.697	29.4	19.3
10 28	4 9.05	+59 55.0	0.898	1.703	27.3	19.1
11 7	3 53.58	+62 26.0	0.876	1.709	25.3	19.0
11 17	3 31.50	+63 46.5	0.867	1.716	24.0	19.0
11 27	3 8.22	+63 45.6	0.873	1.725	23.4	19.0
12 7	2 50.10	+62 32.6	0.893	1.734	23.8	19.1
12 17	2 40.71	+60 30.2	0.926	1.744	24.9	19.2
12 27	2 40.43	+58 3.9	0.973	1.755	26.4	19.4

448493 2010 JV_{154} 11 17.3 25°.30 2°.8/16.3 18

10 18	3 57.15	+11 49.9	1.574	2.453	13.7	20.4
10 28	3 50.38	+11 51.1	1.517	2.456	9.7	20.2
11 7	3 41.39	+11 54.2	1.484	2.459	5.4	20.0
11 17	3 31.18	+12 1.4	1.478	2.463	2.8	19.8
11 27	3 21.04	+12 15.0	1.500	2.466	6.0	20.0
12 7	3 12.23	+12 36.9	1.549	2.470	10.2	20.3
12 17	3 5.70	+13 7.9	1.622	2.475	14.1	20.5
12 27	3 2.02	+13 48.3	1.715	2.479	17.3	20.8

419324 2009 WV_{104} 11 17.3 356°.35 2°.4/18.8 17

10 18	3 52.85	+27 53.3	1.930	2.785	12.7	20.2
10 28	3 47.23	+27 28.7	1.861	2.783	9.3	20.0
11 7	3 39.70	+26 50.1	1.815	2.782	5.6	19.8
11 17	3 31.14	+25 58.8	1.797	2.781	2.5	19.6
11 27	3 22.66	+24 58.8	1.808	2.781	4.2	19.7
12 7	3 15.33	+23 55.7	1.846	2.780	7.9	19.9
12 17	3 9.97	+22 55.6	1.911	2.781	11.5	20.1
12 27	3 7.10	+22 3.8	1.998	2.781	14.5	20.3

515159 2011 PA_{14} 11 17.3 42°.81 6°.1/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.70	+ 7 13.7	1.316	2.205	15.2	20.1
10 28	3 48.55	+ 6 6.8	1.289	2.228	11.0	19.9
11 7	3 40.31	+ 5 7.5	1.285	2.252	7.3	19.7
11 17	3 31.15	+ 4 22.6	1.306	2.277	6.3	19.8
11 27	3 22.45	+ 3 57.4	1.353	2.302	8.8	20.0
12 7	3 15.39	+ 3 54.0	1.425	2.328	12.4	20.2
12 17	3 10.73	+ 4 11.5	1.518	2.354	15.8	20.5
12 27	3 8.87	+ 4 47.2	1.629	2.380	18.6	20.8

364528 2007 EP_{205} 11 17.3 240°.07 7°.4/12.2 18

10 18	3 51.99	− 2 40.3	2.220	3.075	11.2	20.5
10 28	3 46.28	− 3 42.8	2.165	3.071	9.1	20.3
11 7	3 39.10	− 4 34.5	2.135	3.066	7.6	20.2
11 17	3 31.13	− 5 10.1	2.132	3.061	7.6	20.2
11 27	3 23.22	− 5 25.9	2.156	3.056	9.0	20.3
12 7	3 16.18	− 5 20.5	2.206	3.051	11.2	20.4
12 17	3 10.66	− 4 54.9	2.279	3.046	13.4	20.6
12 27	3 7.12	− 4 11.2	2.371	3.041	15.4	20.7

512911 2016 XE_4 11 17.3 54°.67 0°.1/17.2 18

10 18	3 56.85	+19 12.6	1.581	2.456	13.9	20.1
10 28	3 50.20	+19 7.3	1.525	2.462	9.7	19.9
11 7	3 41.30	+18 55.7	1.493	2.469	5.1	19.7
11 17	3 31.19	+18 39.4	1.487	2.476	0.2	19.3
11 27	3 21.21	+18 21.6	1.509	2.482	4.8	19.7
12 7	3 12.63	+18 6.6	1.559	2.489	9.4	20.0
12 17	3 6.38	+17 57.9	1.633	2.496	13.4	20.2
12 27	3 3.02	+17 58.5	1.727	2.504	16.7	20.5

276198 2002 QY_{28} 11 17.3 34°.23 0°.9/16.9 18

10 18	3 57.76	+17 29.9	0.946	1.846	18.6	19.7
10 28	3 51.40	+17 28.2	0.918	1.867	12.9	19.4
11 7	3 42.02	+17 20.8	0.909	1.888	6.6	19.2
11 17	3 31.21	+17 10.2	0.922	1.911	0.9	18.9
11 27	3 20.96	+17 1.2	0.960	1.935	6.4	19.3
12 7	3 13.00	+16 58.6	1.021	1.960	12.1	19.7
12 17	3 8.33	+17 5.9	1.102	1.986	16.9	20.1
12 27	3 7.39	+17 24.5	1.202	2.012	20.6	20.4

184678 2005 SU_{77} 11 17.3 160°.65 0°.5/17.5 18

10 18	3 54.76	+21 15.8	2.041	2.905	11.7	20.9
10 28	3 48.43	+21 5.8	1.974	2.906	8.3	20.7
11 7	3 40.30	+20 48.6	1.932	2.907	4.4	20.4
11 17	3 31.17	+20 25.5	1.919	2.907	0.5	20.1
11 27	3 22.09	+19 59.4	1.935	2.908	3.9	20.4
12 7	3 14.07	+19 34.0	1.979	2.908	7.8	20.7
12 17	3 7.88	+19 13.0	2.050	2.909	11.3	20.9
12 27	3 4.06	+18 59.5	2.143	2.909	14.2	21.1

233228 2005 YW_{38} 11 17.3 307°.65 0°.6/17.5 18

10 18	3 56.08	+21 20.9	1.425	2.303	14.9	20.4
10 28	3 50.14	+21 12.5	1.350	2.288	10.7	20.1
11 7	3 41.51	+20 54.3	1.297	2.273	5.7	19.8
11 17	3 31.21	+20 27.5	1.270	2.259	0.7	19.4
11 27	3 20.74	+19 55.9	1.270	2.245	5.3	19.7
12 7	3 11.63	+19 25.0	1.296	2.231	10.5	20.0
12 17	3 5.08	+19 0.7	1.345	2.218	15.1	20.2
12 27	3 1.83	+18 47.4	1.414	2.205	19.1	20.4

478869 2012 VA_{91} 11 17.3 357°.70 0°.8/16.9 16

10 18	3 53.44	+19 25.9	1.298	2.187	15.4	20.6
10 28	3 48.20	+18 48.8	1.240	2.184	10.8	20.3
11 7	3 40.40	+18 2.5	1.203	2.182	5.6	20.0
11 17	3 31.18	+17 10.9	1.192	2.180	0.8	19.7
11 27	3 22.06	+16 20.4	1.207	2.180	5.7	20.1
12 7	3 14.46	+15 37.8	1.246	2.180	10.9	20.4
12 17	3 9.45	+15 8.2	1.309	2.182	15.4	20.6
12 27	3 7.62	+14 54.7	1.390	2.184	19.2	20.9

454120 2013 CS_{117} 11 17.3 232°.74 8°.9/11.9 18

10 18	3 53.29	− 4 43.0	1.915	2.769	12.8	20.9
10 28	3 47.32	− 5 52.0	1.868	2.769	10.6	20.7
11 7	3 39.68	− 6 46.4	1.844	2.768	9.1	20.6
11 17	3 31.17	− 7 20.3	1.846	2.767	9.1	20.7
11 27	3 22.76	− 7 29.6	1.874	2.767	10.6	20.7
12 7	3 15.40	− 7 13.4	1.927	2.766	12.8	20.9
12 17	3 9.81	− 6 33.7	2.001	2.766	15.1	21.1
12 27	3 6.48	− 5 34.1	2.093	2.765	17.2	21.2

104483 2000 GU_{23} 11 17.3 55°.18 0°.1/17.3 18

10 18	3 55.11	+20 48.4	1.729	2.600	13.1	19.6
10 28	3 48.83	+20 27.6	1.671	2.607	9.2	19.4
11 7	3 40.54	+19 58.8	1.638	2.613	4.8	19.2
11 17	3 31.19	+19 24.2	1.631	2.620	0.2	18.8
11 27	3 21.98	+18 47.8	1.654	2.627	4.5	19.2
12 7	3 14.05	+18 14.2	1.704	2.634	8.8	19.5
12 17	3 8.24	+17 47.8	1.779	2.641	12.5	19.7
12 27	3 5.07	+17 31.8	1.875	2.649	15.7	19.9

360499 2002 XK_{53} 11 17.3 331°.02 4°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.23	+ 9 21.0	1.453	2.338	14.3	19.7
10 28	3 49.39	+ 9 19.7	1.382	2.322	10.3	19.4
11 7	3 41.07	+ 9 23.5	1.333	2.306	6.1	19.1
11 17	3 31.21	+ 9 35.5	1.310	2.292	4.0	19.0
11 27	3 21.18	+ 9 58.4	1.314	2.278	7.1	19.1
12 7	3 12.36	+10 33.9	1.344	2.265	11.5	19.3
12 17	3 5.87	+11 22.0	1.397	2.253	15.7	19.5
12 27	3 2.45	+12 21.9	1.468	2.241	19.3	19.8

239578 2008 TO_{110} 11 17.3 148°.79 3°.5/19.1 18

10 18	3 59.31	+29 11.1	1.836	2.680	13.7	20.7
10 28	3 51.87	+29 18.8	1.771	2.686	10.2	20.5
11 7	3 42.17	+29 11.7	1.731	2.691	6.5	20.3
11 17	3 31.24	+28 49.3	1.717	2.697	3.6	20.2
11 27	3 20.41	+28 13.8	1.732	2.701	5.0	20.3
12 7	3 10.94	+27 30.5	1.776	2.706	8.5	20.5
12 17	3 3.79	+26 45.8	1.846	2.710	12.1	20.7
12 27	2 59.53	+26 5.5	1.937	2.713	15.1	20.9

232200 2002 GX_{63} 11 17.3 153°.23 2°.0/16.1 18

10 18	3 55.71	+15 1.2	2.103	2.971	11.2	21.9
10 28	3 48.91	+14 21.2	2.044	2.979	7.8	21.7
11 7	3 40.47	+13 38.5	2.011	2.986	4.2	21.5
11 17	3 31.20	+12 56.3	2.008	2.993	2.0	21.3
11 27	3 22.07	+12 18.6	2.034	2.999	4.8	21.5
12 7	3 13.99	+11 49.0	2.090	3.005	8.4	21.8
12 17	3 7.69	+11 30.1	2.172	3.010	11.6	22.0
12 27	3 3.62	+11 23.3	2.275	3.014	14.2	22.2

139403 2001 OG_{1} 11 17.3 80°.50 1°.7/16.6 18

10 18	3 57.25	+14 16.6	1.818	2.690	12.5	19.9
10 28	3 50.18	+14 17.9	1.766	2.702	8.7	19.7
11 7	3 41.20	+14 18.4	1.738	2.714	4.6	19.5
11 17	3 31.22	+14 19.7	1.739	2.726	1.7	19.3
11 27	3 21.40	+14 24.1	1.769	2.738	4.9	19.5
12 7	3 12.81	+14 33.5	1.827	2.749	8.9	19.8
12 17	3 6.27	+14 49.9	1.911	2.761	12.4	20.1
12 27	3 2.28	+15 14.1	2.016	2.773	15.3	20.3

112290 2002 LB_{33} 11 17.3 105°.15 5°.7/12.9 18

10 18	3 51.73	+ 1 9.2	2.506	3.365	10.0	19.5
10 28	3 45.84	+ 0 4.0	2.468	3.383	7.7	19.4
11 7	3 38.78	− 0 53.4	2.457	3.400	6.0	19.3
11 17	3 31.16	− 1 38.6	2.474	3.418	5.8	19.3
11 27	3 23.72	− 2 8.4	2.521	3.435	7.3	19.4
12 7	3 17.13	− 2 21.2	2.594	3.451	9.3	19.6
12 17	3 11.92	− 2 17.3	2.692	3.467	11.4	19.8
12 27	3 8.46	− 1 58.1	2.810	3.483	13.2	19.9

308332 2005 NT_{68} 11 17.3 307°.97 2°.6/15.9 18

10 18	3 53.77	+13 18.6	1.837	2.714	12.1	20.7
10 28	3 47.86	+12 45.9	1.771	2.709	8.5	20.5
11 7	3 40.06	+12 11.9	1.729	2.704	4.7	20.3
11 17	3 31.20	+11 40.2	1.716	2.700	2.7	20.1
11 27	3 22.37	+11 14.7	1.731	2.695	5.6	20.3
12 7	3 14.62	+10 59.1	1.774	2.691	9.4	20.5
12 17	3 8.76	+10 55.6	1.841	2.686	13.0	20.7
12 27	3 5.34	+11 5.1	1.929	2.682	16.0	20.9

82611 2001 OZ_{100} 11 17.3 109°.26 1°.3/18.2 18

10 18	3 55.33	+25 37.5	2.044	2.898	12.1	19.1
10 28	3 48.72	+24 58.4	1.984	2.909	8.7	18.9
11 7	3 40.39	+24 7.7	1.951	2.921	4.8	18.7
11 17	3 31.21	+23 7.5	1.946	2.933	1.4	18.5
11 27	3 22.25	+22 2.3	1.971	2.944	3.9	18.7
12 7	3 14.48	+20 57.7	2.025	2.955	7.6	18.9
12 17	3 8.63	+19 59.1	2.105	2.965	11.0	19.2
12 27	3 5.15	+19 10.6	2.209	2.976	13.8	19.4

258018 2001 FJ_{131} 11 17.3 320°.34 3°.3/18.9 17

10 18	3 55.99	+28 10.2	2.074	2.920	12.3	20.0
10 28	3 49.48	+28 35.6	1.999	2.915	9.2	19.8
11 7	3 40.96	+28 49.8	1.950	2.911	5.8	19.6
11 17	3 31.23	+28 51.5	1.927	2.906	3.4	19.5
11 27	3 21.42	+28 41.8	1.934	2.902	4.6	19.5
12 7	3 12.66	+28 23.7	1.969	2.898	7.9	19.7
12 17	3 5.84	+28 2.0	2.031	2.894	11.2	19.9
12 27	3 1.58	+27 41.5	2.115	2.891	14.0	20.1

478440 2012 JH_{21} 11 17.3 154°.79 1°.5/16.4 16

10 18	3 58.29	+17 41.2	1.786	2.654	12.9	22.1
10 28	3 50.92	+16 50.1	1.727	2.663	9.0	21.9
11 7	3 41.58	+15 52.8	1.694	2.670	4.6	21.7
11 17	3 31.25	+14 53.3	1.690	2.677	1.5	21.5
11 27	3 21.11	+13 56.9	1.716	2.684	5.1	21.7
12 7	3 12.30	+13 9.0	1.769	2.689	9.3	22.0
12 17	3 5.62	+12 33.6	1.849	2.694	13.0	22.2
12 27	3 1.59	+12 13.0	1.949	2.698	16.0	22.5

215774 2004 GH_{32} 11 17.3 176°.33 1°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.88	+25 18.1	2.270	3.121	11.2	20.4
10 28	3 48.37	+24 39.6	2.199	3.123	8.0	20.2
11 7	3 40.23	+23 50.2	2.154	3.124	4.5	20.0
11 17	3 31.24	+22 51.8	2.138	3.125	1.2	19.8
11 27	3 22.36	+21 48.3	2.152	3.125	3.6	20.0
12 7	3 14.51	+20 44.9	2.197	3.125	7.2	20.2
12 17	3 8.40	+19 46.4	2.268	3.125	10.4	20.4
12 27	3 4.49	+18 57.0	2.364	3.124	13.2	20.6

139072 2001 FL_{12} 11 17.3 333°.54 3°.1/16.0 18

10 18	3 54.84	+14 34.2	1.173	2.068	16.2	19.4
10 28	3 49.44	+13 54.1	1.112	2.059	11.4	19.1
11 7	3 41.19	+13 10.2	1.072	2.050	6.2	18.8
11 17	3 31.27	+12 27.7	1.056	2.042	3.2	18.6
11 27	3 21.30	+11 53.5	1.065	2.034	7.3	18.8
12 7	3 12.93	+11 33.4	1.099	2.027	12.6	19.1
12 17	3 7.37	+11 31.0	1.153	2.022	17.4	19.4
12 27	3 5.29	+11 47.1	1.225	2.016	21.4	19.6

235 Carolina 11 17.3 135°.90 0°.9/16.8 18

10 18	3 55.51	+16 33.8	2.135	3.001	11.1	13.6
10 28	3 48.86	+16 30.7	2.072	3.006	7.8	13.4
11 7	3 40.51	+16 24.9	2.034	3.010	4.0	13.2
11 17	3 31.25	+16 17.7	2.026	3.014	0.9	13.0
11 27	3 22.05	+16 11.3	2.048	3.018	4.1	13.2
12 7	3 13.84	+16 8.3	2.099	3.022	7.8	13.5
12 17	3 7.38	+16 10.8	2.176	3.025	11.1	13.7
12 27	3 3.17	+16 20.7	2.275	3.029	13.8	13.9

261954 2006 PS_{9} 11 17.3 126°.86 2°.1/18.7 18

10 18	3 57.92	+27 4.6	2.324	3.164	11.3	21.5
10 28	3 50.40	+26 58.5	2.266	3.182	8.2	21.4
11 7	3 41.24	+26 41.6	2.235	3.199	4.9	21.2
11 17	3 31.27	+26 14.3	2.233	3.216	2.2	21.0
11 27	3 21.49	+25 39.2	2.261	3.232	3.8	21.2
12 7	3 12.83	+25 0.2	2.320	3.247	6.9	21.4
12 17	3 6.00	+24 22.0	2.406	3.262	9.9	21.6
12 27	3 1.45	+23 48.5	2.516	3.276	12.5	21.8

446476 2014 KB_{8} 11 17.3 308°.13 1°.1/17.8 18

10 18	3 55.89	+22 40.0	1.556	2.428	14.2	20.7
10 28	3 49.84	+22 33.8	1.482	2.417	10.2	20.4
11 7	3 41.30	+22 17.2	1.431	2.406	5.6	20.1
11 17	3 31.28	+21 51.1	1.407	2.395	1.2	19.8
11 27	3 21.16	+21 18.9	1.410	2.384	4.9	20.0
12 7	3 12.33	+20 45.7	1.440	2.374	9.7	20.3
12 17	3 5.88	+20 17.3	1.494	2.364	14.0	20.5
12 27	3 2.51	+19 58.3	1.568	2.355	17.7	20.8

297239 1994 RH_{19} 11 17.3 46°.91 9°.2/22.4 18

10 18	4 3.02	+40 37.0	1.397	2.212	18.8	19.8
10 28	3 55.11	+41 30.0	1.360	2.238	15.3	19.7
11 7	3 44.03	+41 53.7	1.342	2.264	11.9	19.5
11 17	3 31.36	+41 43.8	1.347	2.291	9.6	19.5
11 27	3 19.14	+41 2.2	1.377	2.318	9.5	19.5
12 7	3 9.19	+39 57.6	1.431	2.345	11.5	19.7
12 17	3 2.67	+38 41.2	1.509	2.373	14.3	20.0
12 27	3 0.02	+37 24.3	1.607	2.401	17.0	20.2

286388 2001 YT_{12} 11 17.3 23°.11 0°.4/17.1 18

10 18	3 54.71	+18 49.4	1.742	2.616	12.9	20.5
10 28	3 48.60	+18 39.2	1.682	2.619	9.0	20.2
11 7	3 40.48	+18 23.3	1.646	2.623	4.7	20.0
11 17	3 31.26	+18 3.8	1.638	2.627	0.4	19.7
11 27	3 22.13	+17 43.7	1.658	2.631	4.5	20.0
12 7	3 14.20	+17 26.9	1.705	2.635	8.8	20.3
12 17	3 8.34	+17 16.7	1.778	2.639	12.6	20.5
12 27	3 5.10	+17 15.8	1.871	2.644	15.7	20.7

189209 2003 SS_{224} 11 17.3 129°.36 2°.6/19.0 18

10 18	3 56.46	+28 29.4	2.777	3.608	10.0	20.1
10 28	3 49.29	+28 46.3	2.714	3.622	7.4	20.0
11 7	3 40.67	+28 53.6	2.678	3.636	4.7	19.8
11 17	3 31.28	+28 50.9	2.671	3.649	2.7	19.7
11 27	3 21.95	+28 39.3	2.696	3.662	3.6	19.8
12 7	3 13.51	+28 21.5	2.750	3.675	6.2	20.0
12 17	3 6.60	+28 0.8	2.834	3.687	8.7	20.2
12 27	3 1.68	+27 40.9	2.941	3.698	10.9	20.4

139519 2001 PP_{60} 11 17.3 350°.56 2°.6/18.6 18

10 18	3 54.90	+26 33.8	1.608	2.472	14.3	18.8
10 28	3 49.04	+26 30.2	1.541	2.469	10.5	18.6
11 7	3 40.83	+26 12.7	1.497	2.466	6.2	18.3
11 17	3 31.28	+25 41.7	1.479	2.464	2.7	18.1
11 27	3 21.75	+25 0.6	1.488	2.462	4.8	18.2
12 7	3 13.56	+24 15.1	1.525	2.460	9.1	18.5
12 17	3 7.73	+23 31.5	1.585	2.459	13.1	18.7
12 27	3 4.86	+22 55.7	1.667	2.459	16.6	19.0

291419 2006 DL_{12} 11 17.3 194°.79 3°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 51.17	+ 6 44.6	2.867	3.730	8.7	21.3
10 28	3 45.50	+ 6 2.2	2.801	3.728	6.4	21.2
11 7	3 38.67	+ 5 22.9	2.764	3.725	4.3	21.0
11 17	3 31.22	+ 4 49.5	2.755	3.722	3.7	21.0
11 27	3 23.82	+ 4 25.0	2.778	3.718	5.3	21.1
12 7	3 17.08	+ 4 11.3	2.829	3.715	7.6	21.3
12 17	3 11.54	+ 4 9.4	2.906	3.710	9.9	21.4
12 27	3 7.60	+ 4 19.3	3.006	3.705	11.9	21.6

414334 2008 SC_{170} 11 17.3 137°.43 2°.1/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.55	+14 3.1	2.403	3.274	9.9	21.4
10 28	3 45.92	+13 15.9	2.341	3.277	6.9	21.2
11 7	3 38.93	+12 27.0	2.306	3.280	3.8	21.0
11 17	3 31.23	+11 39.5	2.300	3.284	2.2	20.9
11 27	3 23.62	+10 57.2	2.325	3.287	4.6	21.1
12 7	3 16.87	+10 23.3	2.378	3.290	7.7	21.3
12 17	3 11.56	+10 0.2	2.458	3.292	10.5	21.5
12 27	3 8.13	+ 9 49.0	2.560	3.295	12.9	21.7

358300 2006 UL_{127} 11 17.3 293°.85 4°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.09	+28 31.4	1.857	2.702	13.5	20.1
10 28	3 52.09	+29 18.4	1.771	2.685	10.2	19.8
11 7	3 42.54	+29 54.4	1.710	2.669	6.7	19.6
11 17	3 31.34	+30 16.1	1.675	2.652	4.2	19.4
11 27	3 19.79	+30 23.1	1.669	2.635	5.5	19.5
12 7	3 9.30	+30 17.9	1.692	2.619	9.1	19.6
12 17	3 1.06	+30 5.5	1.739	2.602	12.8	19.8
12 27	2 55.85	+29 52.0	1.809	2.586	16.0	20.0

99647 2002 GC_{178} 11 17.3 346°.19 3°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.11	+13 10.9	1.357	2.248	14.6	18.7
10 28	3 47.87	+12 12.9	1.297	2.242	10.3	18.5
11 7	3 40.24	+11 12.5	1.261	2.237	5.9	18.2
11 17	3 31.28	+10 15.8	1.250	2.233	3.8	18.1
11 27	3 22.37	+ 9 29.8	1.265	2.229	7.3	18.3
12 7	3 14.86	+ 9 0.0	1.305	2.226	11.8	18.5
12 17	3 9.76	+ 8 49.3	1.368	2.223	16.0	18.8
12 27	3 7.65	+ 8 58.0	1.448	2.222	19.5	19.0

6001 Thales 11 17.3 101°.54 1°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.20	+15 56.3	2.004	2.876	11.5	17.2
10 28	3 47.99	+15 29.8	1.945	2.881	8.0	17.0
11 7	3 40.08	+15 0.3	1.911	2.887	4.2	16.8
11 17	3 31.27	+14 30.5	1.905	2.892	1.5	16.6
11 27	3 22.57	+14 3.7	1.929	2.897	4.6	16.8
12 7	3 14.92	+13 43.5	1.981	2.902	8.4	17.1
12 17	3 9.07	+13 32.3	2.058	2.907	11.7	17.3
12 27	3 5.50	+13 31.8	2.158	2.911	14.5	17.5

480301 2015 HM_{166} 11 17.3 237°.36 0°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.70	+18 8.8	1.627	2.498	13.8	21.7
10 28	3 52.40	+18 11.6	1.554	2.489	9.8	21.5
11 7	3 42.63	+18 9.3	1.504	2.480	5.1	21.2
11 17	3 31.35	+18 3.1	1.482	2.470	0.4	20.8
11 27	3 19.96	+17 55.3	1.488	2.461	5.0	21.1
12 7	3 9.82	+17 49.7	1.523	2.450	9.8	21.4
12 17	3 2.05	+17 49.7	1.582	2.440	14.1	21.6
12 27	2 57.34	+17 58.5	1.661	2.429	17.6	21.9

449835 2014 QL_{271} 11 17.3 206°.83 3°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.68	+29 51.4	2.169	3.004	12.3	21.4
10 28	3 51.36	+30 22.4	2.093	3.001	9.3	21.2
11 7	3 41.97	+30 41.3	2.042	2.998	6.1	21.0
11 17	3 31.33	+30 46.2	2.020	2.994	3.9	20.9
11 27	3 20.60	+30 37.7	2.026	2.990	4.9	20.9
12 7	3 10.93	+30 19.1	2.062	2.987	7.9	21.1
12 17	3 3.24	+29 54.9	2.124	2.982	11.0	21.3
12 27	2 58.15	+29 30.8	2.210	2.978	13.8	21.5

434239 2003 SW_{339} 11 17.3 38°.75 4°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.39	+ 8 43.5	1.366	2.248	15.2	20.3
10 28	3 51.34	+ 8 49.8	1.324	2.262	10.8	20.1
11 7	3 41.93	+ 9 2.2	1.304	2.277	6.4	19.9
11 17	3 31.33	+ 9 23.0	1.311	2.292	4.1	19.8
11 27	3 21.01	+ 9 53.9	1.345	2.308	7.0	20.0
12 7	3 12.29	+10 35.3	1.404	2.324	11.2	20.3
12 17	3 6.12	+11 26.7	1.487	2.341	15.1	20.5
12 27	3 3.02	+12 26.9	1.590	2.358	18.3	20.8

179230 2001 UJ_{27} 11 17.3 339°.86 1°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.04	+25 15.0	1.857	2.717	12.9	20.3
10 28	3 48.86	+25 3.0	1.789	2.716	9.3	20.1
11 7	3 40.65	+24 39.4	1.744	2.715	5.3	19.8
11 17	3 31.31	+24 5.2	1.727	2.713	1.9	19.6
11 27	3 22.01	+23 23.8	1.739	2.712	4.2	19.7
12 7	3 13.90	+22 40.1	1.779	2.712	8.3	20.0
12 17	3 7.84	+21 59.4	1.844	2.711	12.0	20.2
12 27	3 4.41	+21 26.5	1.932	2.710	15.1	20.4

292203 2006 SA_{35} 11 17.3 61°.54 2°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.69	+27 39.2	1.770	2.623	13.7	20.5
10 28	3 50.06	+27 42.2	1.710	2.631	10.1	20.3
11 7	3 41.27	+27 31.6	1.674	2.639	6.1	20.1
11 17	3 31.33	+27 7.5	1.665	2.648	3.0	19.9
11 27	3 21.52	+26 32.6	1.685	2.656	4.7	20.1
12 7	3 13.05	+25 52.1	1.732	2.665	8.5	20.3
12 17	3 6.84	+25 12.0	1.804	2.673	12.1	20.5
12 27	3 3.42	+24 37.5	1.899	2.682	15.2	20.8

294444 2007 VQ_{284} 11 17.3 19°.26 1°.2/16.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.10	+17 14.6	1.012	1.910	17.9	20.9
10 28	3 51.19	+17 8.2	0.966	1.914	12.6	20.6
11 7	3 42.14	+16 56.4	0.940	1.919	6.5	20.3
11 17	3 31.36	+16 41.9	0.937	1.925	1.2	20.0
11 27	3 20.77	+16 29.3	0.958	1.933	6.6	20.3
12 7	3 12.20	+16 23.9	1.003	1.941	12.4	20.7
12 17	3 6.85	+16 29.5	1.068	1.950	17.4	21.0
12 27	3 5.33	+16 48.1	1.150	1.960	21.5	21.3

213338 2001 SH_{214} 11 17.3 96°.26 7°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.44	− 0 40.0	1.991	2.852	12.1	20.5
10 28	3 47.29	− 2 6.4	1.956	2.868	9.5	20.4
11 7	3 39.64	− 3 21.6	1.947	2.884	7.8	20.3
11 17	3 31.30	− 4 19.3	1.965	2.900	7.7	20.3
11 27	3 23.18	− 4 55.3	2.010	2.915	9.3	20.5
12 7	3 16.15	− 5 7.9	2.081	2.930	11.6	20.6
12 17	3 10.83	− 4 58.2	2.174	2.945	13.9	20.8
12 27	3 7.64	− 4 28.9	2.286	2.959	15.8	21.0

409639 2005 XH_{27} 11 17.3 309°.22 1°.3/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.90	+15 54.7	1.929	2.803	11.8	21.4
10 28	3 48.02	+15 44.1	1.854	2.791	8.3	21.1
11 7	3 40.23	+15 30.7	1.803	2.780	4.4	20.9
11 17	3 31.32	+15 16.5	1.781	2.768	1.3	20.6
11 27	3 22.33	+15 4.5	1.787	2.757	4.7	20.9
12 7	3 14.31	+14 57.7	1.822	2.746	8.7	21.1
12 17	3 8.12	+14 58.6	1.881	2.736	12.4	21.3
12 27	3 4.36	+15 9.0	1.963	2.725	15.4	21.5

202877 2008 UW_{145} 11 17.3 80°.97 0°.4/17.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.19	+18 29.7	1.615	2.485	14.0	21.0
10 28	3 52.30	+18 26.1	1.575	2.510	9.7	20.8
11 7	3 42.32	+18 17.0	1.560	2.536	5.0	20.6
11 17	3 31.38	+18 4.0	1.572	2.561	0.4	20.3
11 27	3 20.81	+17 50.2	1.613	2.586	4.7	20.7
12 7	3 11.80	+17 39.4	1.682	2.610	9.1	21.0
12 17	3 5.19	+17 34.7	1.777	2.634	12.8	21.3
12 27	3 1.42	+17 38.5	1.892	2.658	15.8	21.6

217008 2000 WQ_{127} 11 17.3 32°.16 1°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.65	+26 43.2	1.134	2.016	17.6	18.2
10 28	3 49.07	+25 45.4	1.096	2.034	12.6	18.0
11 7	3 40.81	+24 28.3	1.079	2.053	7.0	17.7
11 17	3 31.33	+22 57.3	1.086	2.073	1.9	17.5
11 27	3 22.37	+21 21.8	1.119	2.095	5.4	17.8
12 7	3 15.40	+19 52.6	1.176	2.117	10.6	18.2
12 17	3 11.34	+18 38.3	1.257	2.140	15.2	18.5
12 27	3 10.57	+17 43.6	1.357	2.164	18.9	18.8

444160 2005 GU_{116} 11 17.3 172°.39 0°.4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.20	+19 35.1	2.103	2.967	11.4	22.1
10 28	3 48.69	+19 3.9	2.036	2.969	8.0	21.9
11 7	3 40.47	+18 26.3	1.996	2.971	4.1	21.6
11 17	3 31.34	+17 44.5	1.984	2.973	0.4	21.3
11 27	3 22.29	+17 2.5	2.002	2.974	4.1	21.6
12 7	3 14.29	+16 24.3	2.050	2.974	7.9	21.9
12 17	3 8.06	+15 53.6	2.124	2.975	11.3	22.1
12 27	3 4.12	+15 33.2	2.220	2.975	14.1	22.3

147870 2006 PG_{30} 11 17.3 18°.05 5°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.53	+11 49.7	1.137	2.035	16.4	18.9
10 28	3 49.04	+10 37.5	1.091	2.038	11.6	18.6
11 7	3 40.89	+ 9 25.0	1.067	2.042	6.9	18.4
11 17	3 31.35	+ 8 20.5	1.066	2.046	5.1	18.3
11 27	3 22.04	+ 7 32.2	1.091	2.051	8.6	18.5
12 7	3 14.45	+ 7 5.7	1.138	2.057	13.3	18.8
12 17	3 9.62	+ 7 2.9	1.207	2.064	17.6	19.1
12 27	3 8.08	+ 7 22.3	1.293	2.071	21.2	19.4

178787 2001 CR_{45} 11 17.3 125°.83 4°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.15	+ 6 32.4	2.240	3.101	10.9	20.1
10 28	3 49.77	+ 6 9.3	2.193	3.119	7.9	19.9
11 7	3 40.92	+ 5 50.9	2.173	3.136	5.1	19.8
11 17	3 31.37	+ 5 40.3	2.182	3.153	4.1	19.8
11 27	3 22.01	+ 5 39.8	2.222	3.169	6.0	19.9
12 7	3 13.69	+ 5 50.6	2.290	3.184	8.8	20.1
12 17	3 7.05	+ 6 13.0	2.384	3.198	11.5	20.3
12 27	3 2.51	+ 6 46.2	2.501	3.212	13.8	20.5

240176 2002 QJ_{12} 11 17.3 43°.17 2°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.04	+16 25.2	1.367	2.254	14.9	19.8
10 28	3 48.92	+15 34.0	1.331	2.275	10.3	19.6
11 7	3 40.63	+14 38.7	1.319	2.296	5.4	19.3
11 17	3 31.35	+13 44.6	1.332	2.318	2.2	19.2
11 27	3 22.48	+12 57.7	1.372	2.341	6.0	19.5
12 7	3 15.22	+12 23.3	1.438	2.364	10.5	19.8
12 17	3 10.40	+12 4.3	1.528	2.388	14.4	20.1
12 27	3 8.44	+12 1.4	1.636	2.412	17.5	20.4

390292 2013 AL_{29} 11 17.3 117°.91 0°.9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.67	+18 50.1	1.719	2.592	13.1	20.8
10 28	3 49.26	+18 8.8	1.659	2.597	9.1	20.6
11 7	3 40.84	+17 20.4	1.624	2.601	4.7	20.3
11 17	3 31.37	+16 28.5	1.617	2.605	1.0	20.1
11 27	3 22.03	+15 38.1	1.638	2.609	4.9	20.4
12 7	3 13.97	+14 54.5	1.687	2.612	9.2	20.6
12 17	3 8.03	+14 21.9	1.761	2.616	13.0	20.9
12 27	3 4.73	+14 2.9	1.856	2.620	16.1	21.1

358643 2007 VS_{281} 11 17.3 12°.38 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.31	+21 0.5	1.480	2.359	14.4	20.6
10 28	3 48.61	+20 34.3	1.422	2.361	10.1	20.4
11 7	3 40.61	+19 58.5	1.387	2.364	5.3	20.1
11 17	3 31.36	+19 16.0	1.378	2.367	0.2	19.7
11 27	3 22.23	+18 31.8	1.396	2.370	4.9	20.1
12 7	3 14.52	+17 51.6	1.441	2.374	9.7	20.4
12 17	3 9.17	+17 20.6	1.509	2.379	13.9	20.7
12 27	3 6.77	+17 2.2	1.597	2.385	17.4	20.9

156819 2003 BR_{56} 11 17.3 230°.94 0°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.49	+21 6.8	1.781	2.647	13.0	21.1
10 28	3 50.69	+20 45.8	1.706	2.639	9.2	20.9
11 7	3 41.68	+20 16.0	1.655	2.630	4.9	20.6
11 17	3 31.40	+19 39.1	1.632	2.621	0.3	20.2
11 27	3 21.07	+18 58.9	1.639	2.612	4.5	20.6
12 7	3 11.94	+18 20.4	1.673	2.602	9.0	20.8
12 17	3 4.94	+17 48.6	1.733	2.591	13.0	21.0
12 27	3 0.72	+17 27.4	1.814	2.581	16.4	21.2

189152 2002 JP_{14} 11 17.3 93°.93 5°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.55	+ 2 34.5	2.567	3.427	9.8	20.1
10 28	3 46.38	+ 1 8.9	2.537	3.454	7.4	20.0
11 7	3 39.09	− 0 9.6	2.535	3.480	5.7	19.9
11 17	3 31.32	− 1 16.2	2.562	3.507	5.6	19.9
11 27	3 23.78	− 2 7.1	2.619	3.532	7.0	20.1
12 7	3 17.13	− 2 40.5	2.704	3.557	9.1	20.2
12 17	3 11.85	− 2 56.0	2.813	3.582	11.1	20.4
12 27	3 8.28	− 2 55.1	2.943	3.606	12.8	20.6

357087 2001 SN_{237} 11 17.3 42°.19 1°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.52	+15 53.5	1.681	2.560	13.0	20.4
10 28	3 48.45	+15 26.1	1.628	2.568	9.1	20.2
11 7	3 40.42	+14 55.4	1.599	2.576	4.7	20.0
11 17	3 31.37	+14 24.7	1.598	2.584	1.7	19.8
11 27	3 22.48	+13 58.0	1.624	2.593	5.2	20.1
12 7	3 14.86	+13 39.3	1.678	2.602	9.3	20.3
12 17	3 9.31	+13 31.1	1.756	2.612	13.0	20.6
12 27	3 6.36	+13 35.0	1.855	2.621	16.1	20.8

48463 1991 RH_{14} 11 17.3 332°.02 5°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.51	+31 22.9	1.348	2.204	17.0	17.8
10 28	3 52.16	+31 43.3	1.281	2.199	13.0	17.5
11 7	3 42.73	+31 43.4	1.235	2.193	8.8	17.3
11 17	3 31.46	+31 20.7	1.213	2.189	5.6	17.1
11 27	3 20.11	+30 37.3	1.217	2.185	6.7	17.1
12 7	3 10.47	+29 40.3	1.245	2.181	10.8	17.3
12 17	3 3.86	+28 39.4	1.298	2.177	15.1	17.6
12 27	3 0.98	+27 43.7	1.369	2.174	18.9	17.8

170908 2004 XK_{61} 11 17.3 40°.81 6°.5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.80	+32 39.6	0.825	1.703	22.9	18.3
10 28	3 55.26	+32 48.5	0.808	1.736	17.2	18.1
11 7	3 44.09	+32 25.7	0.808	1.771	11.3	18.0
11 17	3 31.48	+31 32.2	0.828	1.806	6.8	17.9
11 27	3 20.02	+30 16.9	0.871	1.843	7.9	18.1
12 7	3 11.67	+28 53.9	0.937	1.880	12.3	18.5
12 17	3 7.37	+27 36.3	1.023	1.917	16.8	18.9
12 27	3 7.28	+26 32.9	1.127	1.955	20.6	19.2

76694 2000 HZ_{79} 11 17.3 246°.42 6°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.98	− 3 18.5	2.412	3.258	10.8	19.1
10 28	3 47.62	− 3 39.5	2.355	3.257	8.6	18.9
11 7	3 39.87	− 3 49.0	2.324	3.256	7.0	18.8
11 17	3 31.38	− 3 43.6	2.320	3.254	6.7	18.8
11 27	3 22.95	− 3 21.3	2.344	3.253	8.0	18.9
12 7	3 15.36	− 2 42.0	2.396	3.252	10.0	19.0
12 17	3 9.24	− 1 47.2	2.472	3.250	12.2	19.2
12 27	3 5.02	− 0 39.4	2.570	3.249	14.1	19.3

196938 Delgordon 11 17.3 8°.05 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 51.54	+21 37.5	1.770	2.645	12.7	19.8
10 28	3 46.40	+20 57.6	1.709	2.646	8.9	19.6
11 7	3 39.38	+20 8.5	1.672	2.648	4.7	19.3
11 17	3 31.36	+19 13.2	1.663	2.651	0.2	19.0
11 27	3 23.46	+18 16.6	1.681	2.655	4.3	19.3
12 7	3 16.72	+17 24.4	1.727	2.659	8.5	19.6
12 17	3 11.93	+16 41.2	1.798	2.664	12.3	19.8
12 27	3 9.61	+16 10.5	1.891	2.670	15.4	20.1

521734 2015 RV_{270} 11 17.3 119°.72 2°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.02	+27 6.7	1.942	2.792	12.8	21.7
10 28	3 50.23	+27 13.3	1.876	2.796	9.4	21.5
11 7	3 41.39	+27 7.7	1.835	2.800	5.7	21.3
11 17	3 31.43	+26 50.0	1.821	2.804	2.8	21.1
11 27	3 21.52	+26 22.3	1.837	2.808	4.4	21.3
12 7	3 12.82	+25 48.9	1.880	2.811	8.0	21.5
12 17	3 6.20	+25 15.1	1.950	2.815	11.5	21.7
12 27	3 2.21	+24 45.9	2.043	2.819	14.5	21.9

71295 2000 AG_{59} 11 17.3 357°.40 6°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.86	+ 2 1.0	1.935	2.804	12.0	18.5
10 28	3 47.12	+ 1 25.8	1.880	2.803	9.2	18.3
11 7	3 39.70	+ 0 59.7	1.849	2.802	6.8	18.2
11 17	3 31.38	+ 0 47.0	1.845	2.801	6.3	18.2
11 27	3 23.13	+ 0 51.2	1.868	2.801	8.1	18.3
12 7	3 15.88	+ 1 13.0	1.917	2.801	10.8	18.4
12 17	3 10.36	+ 1 51.9	1.991	2.801	13.6	18.6
12 27	3 7.07	+ 2 45.5	2.084	2.802	16.0	18.8

287642 2003 JV_{5} 11 17.3 218°.01 0°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.13	+18 31.7	1.799	2.667	12.8	21.1
10 28	3 51.10	+18 26.4	1.728	2.662	9.0	20.8
11 7	3 41.90	+18 15.8	1.681	2.657	4.7	20.6
11 17	3 31.46	+18 1.2	1.663	2.651	0.4	20.2
11 27	3 20.97	+17 45.4	1.673	2.646	4.6	20.5
12 7	3 11.65	+17 32.1	1.712	2.639	9.0	20.8
12 17	3 4.45	+17 24.6	1.777	2.633	12.9	21.0
12 27	2 59.98	+17 25.9	1.863	2.626	16.1	21.2

410137 2007 HM_{18} 11 17.3 108°.39 2°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.98	+13 25.8	2.309	3.181	10.2	21.3
10 28	3 46.25	+12 22.2	2.253	3.189	7.1	21.1
11 7	3 39.15	+11 17.0	2.224	3.197	4.0	20.9
11 17	3 31.37	+10 14.3	2.224	3.205	2.7	20.9
11 27	3 23.73	+ 9 18.6	2.255	3.213	5.0	21.0
12 7	3 17.00	+ 8 33.7	2.314	3.221	8.1	21.2
12 17	3 11.77	+ 8 1.9	2.400	3.229	10.9	21.4
12 27	3 8.48	+ 7 44.2	2.507	3.236	13.3	21.6

171696 2000 SK_{137} 11 17.3 0°.93 5°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.44	+29 36.4	1.003	1.885	19.4	18.8
10 28	3 50.48	+29 47.0	0.949	1.882	14.7	18.5
11 7	3 42.00	+29 34.2	0.913	1.881	9.4	18.2
11 17	3 31.46	+28 56.6	0.899	1.880	5.2	18.0
11 27	3 20.98	+27 58.7	0.908	1.881	7.0	18.1
12 7	3 12.61	+26 50.8	0.939	1.884	12.1	18.4
12 17	3 7.75	+25 44.4	0.991	1.887	17.1	18.7
12 27	3 7.04	+24 49.0	1.061	1.892	21.4	19.0

3595 Gallagher 11 17.3 50°.63 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.43	+20 47.9	1.574	2.449	13.9	16.5
10 28	3 49.20	+20 17.3	1.522	2.460	9.8	16.3
11 7	3 40.85	+19 37.9	1.494	2.471	5.1	16.1
11 17	3 31.42	+18 52.8	1.493	2.482	0.2	15.7
11 27	3 22.21	+18 6.9	1.520	2.494	4.7	16.1
12 7	3 14.43	+17 25.6	1.574	2.506	9.3	16.4
12 17	3 8.93	+16 53.7	1.653	2.518	13.2	16.7
12 27	3 6.21	+16 34.3	1.752	2.531	16.4	16.9

197919 2004 RZ_{51} 11 17.3 89°.21 3°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.99	+11 10.8	1.579	2.460	13.6	20.1
10 28	3 49.56	+10 24.0	1.526	2.465	9.6	19.9
11 7	3 41.04	+ 9 38.1	1.498	2.470	5.7	19.7
11 17	3 31.44	+ 8 58.0	1.496	2.476	4.0	19.6
11 27	3 21.99	+ 8 28.8	1.522	2.481	6.8	19.8
12 7	3 13.88	+ 8 14.1	1.574	2.486	10.8	20.0
12 17	3 7.97	+ 8 15.6	1.650	2.491	14.5	20.3
12 27	3 4.79	+ 8 32.9	1.745	2.496	17.5	20.5

490539 2009 VL_{41} 11 17.3 30°.81 3°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.03	+26 17.7	1.035	1.919	18.8	20.2
10 28	3 51.86	+26 40.6	0.997	1.934	13.7	19.9
11 7	3 42.49	+26 45.7	0.979	1.950	8.2	19.7
11 17	3 31.48	+26 32.5	0.983	1.968	3.8	19.5
11 27	3 20.86	+26 4.9	1.012	1.986	6.3	19.7
12 7	3 12.45	+25 30.7	1.064	2.006	11.3	20.0
12 17	3 7.40	+24 58.1	1.138	2.027	16.0	20.4
12 27	3 6.20	+24 33.8	1.230	2.049	19.8	20.7

153570 2001 SH_{184} 11 17.3 35.°69 1.°0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.59	+21 47.5	1.249	2.131	16.4	19.6
10 28	3 51.19	+21 45.8	1.200	2.140	11.6	19.4
11 7	3 42.06	+21 33.5	1.174	2.150	6.2	19.1
11 17	3 31.47	+21 12.1	1.172	2.160	1.0	18.8
11 27	3 21.10	+20 45.6	1.196	2.171	5.4	19.1
12 7	3 12.52	+20 19.9	1.245	2.182	10.6	19.4
12 17	3 6.79	+20 0.5	1.317	2.194	15.1	19.7
12 27	3 4.48	+19 51.6	1.409	2.207	18.8	20.0

411099 2009 WE_{33} 11 17.3 168.°71 1.°3/16.6 17

10 18	3 53.63	+15 17.3	2.324	3.192	10.3	20.7
10 28	3 47.52	+15 9.9	2.257	3.192	7.2	20.5
11 7	3 39.88	+15 0.9	2.217	3.192	3.8	20.3
11 17	3 31.41	+14 51.7	2.205	3.192	1.3	20.1
11 27	3 22.95	+14 44.7	2.224	3.192	4.1	20.3
12 7	3 15.36	+14 42.1	2.272	3.192	7.5	20.5
12 17	3 9.32	+14 45.7	2.346	3.193	10.5	20.7
12 27	3 5.31	+14 56.9	2.443	3.193	13.1	20.9

238174 2003 SF_{176} 11 17.3 99.°98 1.°0/17.8 18

10 18	3 57.22	+22 36.5	1.723	2.588	13.4	20.6
10 28	3 50.44	+22 28.1	1.663	2.594	9.5	20.4
11 7	3 41.53	+22 10.2	1.627	2.601	5.2	20.2
11 17	3 31.46	+21 44.0	1.619	2.607	1.1	19.9
11 27	3 21.51	+21 12.9	1.639	2.613	4.4	20.1
12 7	3 12.88	+20 41.6	1.687	2.619	8.7	20.4
12 17	3 6.48	+20 14.9	1.760	2.625	12.6	20.7
12 27	3 2.85	+19 56.6	1.855	2.630	15.7	20.9

276474 2003 KO_{13} 11 17.3 71.°45 7.°6/14.6 18

10 18	3 59.48	+ 0 21.5	1.550	2.415	14.7	19.9
10 28	3 51.63	− 0 17.8	1.527	2.446	11.2	19.8
11 7	3 41.93	− 0 43.1	1.527	2.476	8.4	19.7
11 17	3 31.47	− 0 49.8	1.554	2.507	7.7	19.7
11 27	3 21.52	− 0 35.5	1.608	2.537	9.4	19.9
12 7	3 13.15	− 0 0.8	1.687	2.566	12.3	20.1
12 17	3 7.07	+ 0 51.5	1.789	2.596	15.0	20.4
12 27	3 3.67	+ 1 57.8	1.911	2.625	17.4	20.6

77531 2001 HX_{60} 11 17.3 124.°63 5.°5/13.9 18

10 18	3 53.50	− 0 33.6	2.613	3.463	9.9	19.2
10 28	3 47.15	− 0 58.7	2.565	3.474	7.7	19.1
11 7	3 39.58	− 1 14.9	2.543	3.484	6.0	19.0
11 17	3 31.41	− 1 19.3	2.550	3.494	5.6	19.0
11 27	3 23.35	− 1 9.9	2.585	3.503	6.9	19.1
12 7	3 16.11	− 0 46.2	2.649	3.513	8.9	19.2
12 17	3 10.23	− 0 9.0	2.739	3.522	11.0	19.4
12 27	3 6.10	+ 0 39.9	2.850	3.531	12.8	19.6

269358 2008 UN_{122} 11 17.3 146.°02 2.°7/18.8 18

10 18	3 58.26	+27 39.1	1.854	2.703	13.4	21.0
10 28	3 51.13	+27 32.4	1.790	2.709	9.8	20.8
11 7	3 41.87	+27 12.1	1.749	2.715	5.9	20.5
11 17	3 31.48	+26 38.3	1.737	2.720	2.8	20.4
11 27	3 21.19	+25 54.4	1.753	2.724	4.5	20.5
12 7	3 12.23	+25 5.5	1.797	2.729	8.3	20.7
12 17	3 5.47	+24 17.8	1.868	2.733	11.9	21.0
12 27	3 1.48	+23 36.8	1.961	2.737	15.0	21.2

16435 Fándly 11 17.3 348.°25 6.°5/14.6 18

10 18	3 51.31	+ 7 44.2	1.115	2.017	16.3	16.3
10 28	3 47.02	+ 6 50.3	1.059	2.005	12.0	16.1
11 7	3 40.02	+ 6 1.9	1.024	1.995	7.9	15.8
11 17	3 31.42	+ 5 26.8	1.012	1.987	6.7	15.7
11 27	3 22.79	+ 5 12.1	1.023	1.980	9.8	15.9
12 7	3 15.69	+ 5 21.5	1.056	1.974	14.2	16.1
12 17	3 11.26	+ 5 55.0	1.110	1.970	18.6	16.4
12 27	3 10.18	+ 6 49.8	1.180	1.968	22.2	16.6

374732 2006 SW_{87} 11 17.3 39.°16 2.°8/16.1 18

10 18	3 56.18	+15 55.3	1.082	1.979	17.1	20.5
10 28	3 50.20	+15 1.2	1.045	1.992	11.9	20.2
11 7	3 41.50	+14 2.6	1.029	2.007	6.3	20.0
11 17	3 31.47	+13 5.9	1.036	2.022	2.9	19.8
11 27	3 21.86	+12 18.8	1.069	2.038	7.1	20.1
12 7	3 14.19	+11 47.4	1.125	2.055	12.3	20.5
12 17	3 9.44	+11 34.9	1.203	2.072	16.8	20.8
12 27	3 8.09	+11 41.4	1.298	2.090	20.4	21.1

324055 2005 VZ_{53} 11 17.3 230.°50 1.°4/16.4 18

10 18	3 53.40	+16 15.8	2.291	3.158	10.4	21.7
10 28	3 47.41	+15 44.0	2.217	3.152	7.3	21.5
11 7	3 39.86	+15 8.6	2.169	3.145	3.8	21.2
11 17	3 31.43	+14 32.2	2.151	3.137	1.4	21.0
11 27	3 23.00	+13 58.1	2.162	3.130	4.3	21.2
12 7	3 15.44	+13 29.9	2.203	3.122	7.8	21.4
12 17	3 9.44	+13 10.2	2.270	3.114	10.9	21.6
12 27	3 5.50	+13 1.0	2.360	3.106	13.6	21.8

66198 1999 BH_{11} 11 17.3 193.°40 1.°8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.85	+24 45.3	1.650	2.507	14.3	19.4
10 28	3 53.20	+24 37.3	1.580	2.506	10.4	19.1
11 7	3 43.08	+24 16.8	1.534	2.504	5.9	18.9
11 17	3 31.53	+23 44.1	1.515	2.502	1.9	18.6
11 27	3 20.01	+23 2.8	1.525	2.498	4.8	18.8
12 7	3 9.90	+22 18.5	1.563	2.494	9.3	19.1
12 17	3 2.29	+21 37.6	1.626	2.490	13.5	19.3
12 27	2 57.78	+21 5.6	1.711	2.484	16.9	19.5

369790 2012 HA_{13} 11 17.3 249.°87 4.°1/14.9 17

10 18	3 52.89	+ 6 11.6	2.364	3.231	10.2	21.0
10 28	3 46.97	+ 5 46.0	2.298	3.226	7.5	20.8
11 7	3 39.60	+ 5 24.8	2.258	3.221	5.0	20.6
11 17	3 31.44	+ 5 11.3	2.247	3.216	4.2	20.6
11 27	3 23.29	+ 5 8.1	2.265	3.210	6.0	20.7
12 7	3 15.94	+ 5 16.7	2.311	3.205	8.7	20.8
12 17	3 10.05	+ 5 37.6	2.383	3.200	11.4	21.0
12 27	3 6.09	+ 6 10.3	2.476	3.194	13.7	21.2

19176 1991 PK_{3} 11 17.3 57.°94 0.°1/17.3 18

10 18	3 57.31	+19 43.6	1.509	2.384	14.4	17.4
10 28	3 50.64	+19 33.1	1.457	2.395	10.1	17.2
11 7	3 41.68	+19 15.4	1.429	2.406	5.3	16.9
11 17	3 31.53	+18 52.4	1.428	2.416	0.2	16.5
11 27	3 21.56	+18 27.9	1.454	2.428	4.9	17.0
12 7	3 13.09	+18 6.5	1.507	2.439	9.6	17.3
12 17	3 7.04	+17 52.4	1.584	2.450	13.6	17.5
12 27	3 3.96	+17 48.4	1.682	2.462	16.9	17.8

207351 2005 JP_{68} 11 17.3 219.°16 3.°8/15.4 18

10 18	3 56.57	+ 7 51.7	2.104	2.970	11.3	20.6
10 28	3 49.71	+ 7 35.6	2.035	2.964	8.2	20.4
11 7	3 41.11	+ 7 23.5	1.991	2.958	5.1	20.2
11 17	3 31.52	+ 7 18.1	1.976	2.951	3.9	20.1
11 27	3 21.91	+ 7 22.3	1.991	2.944	6.0	20.2
12 7	3 13.24	+ 7 37.4	2.034	2.937	9.3	20.4
12 17	3 6.29	+ 8 4.1	2.103	2.929	12.4	20.6
12 27	3 1.59	+ 8 42.0	2.194	2.921	15.0	20.8

305329 2008 AY_{94} 11 17.3 321.°13 5.°8/14.5 18

10 18	3 53.77	+ 5 50.1	1.614	2.495	13.4	20.4
10 28	3 48.15	+ 5 6.4	1.549	2.483	9.9	20.2
11 7	3 40.43	+ 4 28.8	1.507	2.471	6.8	20.0
11 17	3 31.50	+ 4 2.6	1.492	2.460	5.9	19.9
11 27	3 22.52	+ 3 52.7	1.503	2.450	8.3	20.0
12 7	3 14.66	+ 4 1.7	1.539	2.439	11.9	20.2
12 17	3 8.86	+ 4 29.6	1.598	2.430	15.4	20.4
12 27	3 5.72	+ 5 15.0	1.677	2.420	18.4	20.6

293866 2007 RJ_{252} 11 17.3 359.°64 9.°0/22.3 18

10 18	3 56.52	+40 12.7	1.372	2.198	18.5	19.3
10 28	3 50.95	+40 42.1	1.308	2.195	15.2	19.1
11 7	3 42.18	+40 42.7	1.264	2.194	11.8	18.9
11 17	3 31.55	+40 10.0	1.242	2.193	9.4	18.8
11 27	3 20.96	+39 5.7	1.244	2.193	9.3	18.8
12 7	3 12.26	+37 38.0	1.269	2.195	11.6	18.9
12 17	3 6.75	+35 58.9	1.318	2.197	14.9	19.1
12 27	3 5.08	+34 20.7	1.387	2.201	18.2	19.4

200056 2008 PB_{15} 11 17.3 48.°75 4.°2/20.1 18

10 18	3 55.38	+32 42.1	2.103	2.935	12.7	20.7
10 28	3 49.05	+32 48.8	2.039	2.941	9.7	20.5
11 7	3 40.79	+32 40.0	1.998	2.948	6.6	20.4
11 17	3 31.51	+32 15.2	1.985	2.956	4.4	20.2
11 27	3 22.32	+31 36.3	1.999	2.963	5.0	20.3
12 7	3 14.29	+30 48.1	2.043	2.970	7.7	20.5
12 17	3 8.26	+29 56.3	2.112	2.978	10.7	20.7
12 27	3 4.74	+29 6.9	2.205	2.986	13.4	20.9

523427 2017 EH_{19} 11 17.3 153.°89 1.°2/16.5 18

10 18	3 53.46	+15 4.2	2.696	3.559	9.2	21.5
10 28	3 47.22	+14 53.2	2.632	3.564	6.4	21.4
11 7	3 39.69	+14 40.6	2.595	3.570	3.4	21.2
11 17	3 31.48	+14 28.1	2.588	3.575	1.2	21.0
11 27	3 23.32	+14 17.7	2.612	3.579	3.7	21.2
12 7	3 15.93	+14 11.4	2.666	3.584	6.7	21.4
12 17	3 9.89	+14 10.9	2.748	3.588	9.4	21.6
12 27	3 5.62	+14 17.5	2.853	3.591	11.6	21.8

306685 2000 UM_{28} 11 17.3 1.°65 0.°1/17.4 18

10 18	3 58.06	+18 26.6	1.370	2.251	15.3	19.5
10 28	3 51.55	+18 48.5	1.310	2.250	10.8	19.2
11 7	3 42.35	+19 5.7	1.272	2.249	5.7	18.9
11 17	3 31.58	+19 18.4	1.260	2.249	0.2	18.5
11 27	3 20.78	+19 28.3	1.275	2.250	5.3	18.9
12 7	3 11.48	+19 38.4	1.317	2.251	10.4	19.2
12 17	3 4.84	+19 52.2	1.381	2.253	14.9	19.5
12 27	3 1.53	+20 12.5	1.465	2.256	18.5	19.7

252087 2000 UK_3 11 17.3 57.°77 0.°2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.65	+17 8.5	1.061	1.944	18.5	19.1
10 28	3 57.37	+17 41.7	1.037	1.978	12.9	18.9
11 7	3 45.14	+18 9.5	1.035	2.012	6.6	18.7
11 17	3 31.66	+18 31.3	1.058	2.047	0.3	18.4
11 27	3 18.98	+18 49.2	1.107	2.081	6.0	18.9
12 7	3 8.78	+19 6.6	1.181	2.116	11.4	19.3
12 17	3 2.05	+19 27.0	1.278	2.150	15.9	19.7
12 27	2 59.13	+19 53.1	1.394	2.183	19.4	20.0

308285 2005 JW_{13} 11 17.3 192.°12 1.°1/16.5 18

10 18	3 54.80	+18 26.0	2.328	3.191	10.5	21.3
10 28	3 48.33	+17 32.0	2.256	3.189	7.3	21.1
11 7	3 40.33	+16 31.9	2.212	3.187	3.8	20.9
11 17	3 31.52	+15 28.9	2.197	3.184	1.1	20.7
11 27	3 22.78	+14 27.4	2.213	3.181	4.1	20.9
12 7	3 14.97	+13 32.0	2.259	3.177	7.6	21.1
12 17	3 8.77	+12 46.4	2.332	3.172	10.8	21.3
12 27	3 4.63	+12 13.1	2.428	3.167	13.4	21.5

338460 2003 FL_{27} 11 17.3 290.°80 1.°2/16.7 18

10 18	3 55.84	+18 22.9	1.503	2.383	14.2	20.7
10 28	3 49.88	+17 45.6	1.429	2.369	10.0	20.4
11 7	3 41.45	+17 0.2	1.378	2.355	5.2	20.1
11 17	3 31.56	+16 10.3	1.354	2.342	1.2	19.8
11 27	3 21.56	+15 21.3	1.357	2.328	5.6	20.0
12 7	3 12.85	+14 39.4	1.386	2.315	10.5	20.3
12 17	3 6.50	+14 9.7	1.439	2.301	15.0	20.5
12 27	3 3.20	+13 55.4	1.511	2.288	18.7	20.8

487589 2015 HU_{64} 11 17.3 49.°29 2.°9/15.7 18

10 18	3 57.44	+16 56.4	1.228	2.116	16.1	19.6
10 28	3 50.54	+15 23.0	1.205	2.149	11.0	19.5
11 7	3 41.45	+13 45.7	1.206	2.183	5.8	19.3
11 17	3 31.55	+12 12.9	1.233	2.217	3.0	19.2
11 27	3 22.33	+10 53.3	1.286	2.252	6.8	19.5
12 7	3 15.03	+ 9 53.4	1.365	2.286	11.3	19.9
12 17	3 10.38	+ 9 15.8	1.467	2.321	15.2	20.2
12 27	3 8.68	+ 9 0.2	1.587	2.356	18.3	20.5

247729 2003 GG_{30} 11 17.3 89.°57 3.°3/16.0 18

10 18	4 1.62	+13 9.4	1.323	2.203	15.7	20.8
10 28	3 53.54	+12 30.3	1.288	2.227	11.0	20.6
11 7	3 43.11	+11 50.8	1.276	2.251	6.0	20.4
11 17	3 31.61	+11 15.9	1.291	2.274	3.3	20.3
11 27	3 20.61	+10 50.5	1.333	2.297	6.8	20.5
12 7	3 11.47	+10 38.4	1.401	2.320	11.3	20.9
12 17	3 5.06	+10 41.4	1.492	2.342	15.3	21.2
12 27	3 1.82	+10 59.3	1.603	2.363	18.4	21.4

359680 2011 SY_{132} 11 17.3 298.°22 4.°9/14.2 18

10 18	3 52.98	+ 9 35.0	1.706	2.588	12.7	20.9
10 28	3 47.53	+ 8 17.8	1.637	2.575	9.2	20.6
11 7	3 40.09	+ 7 0.7	1.593	2.561	5.9	20.4
11 17	3 31.52	+ 5 50.0	1.575	2.548	5.1	20.3
11 27	3 22.91	+ 4 52.6	1.586	2.535	7.7	20.5
12 7	3 15.39	+ 4 13.5	1.622	2.522	11.4	20.7
12 17	3 9.80	+ 3 55.2	1.682	2.510	14.9	20.9
12 27	3 6.76	+ 3 57.6	1.761	2.497	17.9	21.0

164281 2004 XF_{71} 11 17.3 24.°45 4.°4/15.5 18

10 18	3 55.76	+13 14.3	1.053	1.952	17.2	18.9
10 28	3 50.10	+12 8.0	1.009	1.957	12.1	18.6
11 7	3 41.58	+10 59.8	0.985	1.962	6.9	18.3
11 17	3 31.56	+ 9 57.6	0.986	1.968	4.5	18.2
11 27	3 21.81	+ 9 9.9	1.010	1.975	8.4	18.5
12 7	3 13.94	+ 8 42.9	1.057	1.982	13.5	18.8
12 17	3 9.03	+ 8 38.9	1.125	1.990	18.0	19.1
12 27	3 7.63	+ 8 56.8	1.210	1.999	21.8	19.4

86768 2000 GA_{86} 11 17.3 259.°86 2.°7/18.7 18

10 18	3 58.36	+26 58.1	1.583	2.442	14.8	19.3
10 28	3 51.69	+26 52.0	1.508	2.433	10.9	19.0
11 7	3 42.42	+26 30.8	1.456	2.424	6.5	18.7
11 17	3 31.61	+25 54.5	1.430	2.415	2.8	18.5
11 27	3 20.72	+25 6.4	1.432	2.405	5.1	18.6
12 7	3 11.22	+24 12.8	1.462	2.396	9.6	18.9
12 17	3 4.23	+23 21.1	1.515	2.386	13.8	19.1
12 27	3 0.45	+22 37.8	1.590	2.377	17.5	19.3

60719 2000 GQ_{69} 11 17.3 201.°64 0.°1/17.4 18

10 18	4 0.49	+20 36.8	1.510	2.379	14.7	20.5
10 28	3 53.08	+20 17.3	1.442	2.377	10.4	20.2
11 7	3 43.10	+19 48.3	1.398	2.374	5.5	20.0
11 17	3 31.64	+19 11.9	1.381	2.370	0.2	19.5
11 27	3 20.18	+18 32.4	1.392	2.365	5.1	19.9
12 7	3 10.20	+17 55.6	1.431	2.361	10.2	20.2
12 17	3 2.79	+17 27.0	1.494	2.355	14.6	20.4
12 27	2 58.60	+17 10.6	1.577	2.349	18.2	20.7

29667 1998 XF 11 17.3 168.°46 2.°9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.20	+28 5.4	2.296	3.133	11.5	18.3
10 28	3 50.91	+28 25.0	2.225	3.136	8.6	18.1
11 7	3 41.78	+28 33.9	2.179	3.139	5.4	17.9
11 17	3 31.59	+28 31.0	2.162	3.141	3.0	17.8
11 27	3 21.39	+28 17.7	2.176	3.143	4.2	17.9
12 7	3 12.21	+27 56.9	2.218	3.145	7.3	18.0
12 17	3 4.87	+27 33.1	2.289	3.146	10.3	18.2
12 27	2 59.92	+27 10.8	2.382	3.147	13.0	18.4

196712 2003 SO_{98} 11 17.3 21.°24 4.°5/20.1 18

10 18	3 54.81	+32 16.3	1.809	2.650	14.0	19.6
10 28	3 48.89	+32 24.5	1.748	2.657	10.7	19.4
11 7	3 40.81	+32 15.7	1.710	2.664	7.3	19.2
11 17	3 31.56	+31 49.1	1.698	2.671	4.7	19.1
11 27	3 22.42	+31 7.3	1.714	2.679	5.4	19.2
12 7	3 14.60	+30 15.8	1.756	2.688	8.5	19.4
12 17	3 9.00	+29 21.1	1.824	2.697	11.8	19.6
12 27	3 6.18	+28 30.0	1.915	2.706	14.7	19.8

509430 2007 EB_{104} 11 17.3 179.°67 0.°4/17.6 18

10 18	3 58.37	+21 24.6	1.904	2.764	12.6	22.5
10 28	3 51.17	+21 10.0	1.836	2.766	8.9	22.2
11 7	3 41.95	+20 47.2	1.793	2.767	4.7	22.0
11 17	3 31.60	+20 17.7	1.778	2.767	0.5	21.7
11 27	3 21.31	+19 44.6	1.794	2.767	4.2	22.0
12 7	3 12.21	+19 12.4	1.838	2.766	8.4	22.2
12 17	3 5.17	+18 45.5	1.908	2.765	12.1	22.4
12 27	3 0.75	+18 27.3	2.001	2.763	15.2	22.7

245672 2006 BP_{24} 11 17.3 14.°02 0.°7/17.0 18 R

10 18	3 54.27	+19 15.4	1.153	2.046	16.5	19.7
10 28	3 49.03	+18 47.4	1.103	2.049	11.6	19.5
11 7	3 41.05	+18 10.6	1.075	2.054	6.0	19.2
11 17	3 31.57	+17 28.8	1.071	2.060	0.7	18.8
11 27	3 22.29	+16 48.4	1.093	2.067	5.9	19.2
12 7	3 14.74	+16 15.7	1.138	2.075	11.3	19.6
12 17	3 10.02	+15 55.7	1.205	2.084	16.0	19.9
12 27	3 8.67	+15 51.2	1.290	2.094	19.8	20.2

78078 2002 LB_{17} 11 17.3 118.°97 1.°8/18.3 18

10 18	4 0.79	+25 47.9	1.619	2.475	14.6	19.8
10 28	3 52.96	+25 22.8	1.566	2.491	10.5	19.6
11 7	3 42.86	+24 43.6	1.537	2.507	5.9	19.4
11 17	3 31.64	+23 52.1	1.535	2.522	1.9	19.2
11 27	3 20.74	+22 53.2	1.563	2.536	4.6	19.4
12 7	3 11.45	+21 53.7	1.618	2.550	9.0	19.7
12 17	3 4.67	+21 0.2	1.699	2.564	13.0	20.0
12 27	3 0.90	+20 17.8	1.802	2.576	16.2	20.2

289338 2005 AC_{82} 11 17.3 318.°49 5.°3/20.3 17

10 18	3 55.34	+34 6.3	1.968	2.798	13.5	20.9
10 28	3 49.44	+34 30.5	1.882	2.781	10.6	20.7
11 7	3 41.23	+34 38.1	1.819	2.764	7.6	20.5
11 17	3 31.59	+34 27.0	1.782	2.748	5.5	20.3
11 27	3 21.75	+33 57.8	1.773	2.732	6.0	20.3
12 7	3 12.99	+33 14.5	1.790	2.716	8.8	20.4
12 17	3 6.37	+32 23.4	1.833	2.701	12.0	20.6
12 27	3 2.59	+31 31.8	1.899	2.686	15.0	20.8

97661 2000 FN_{24} 11 17.3 91.°55 5.°3/14.7 18

10 18	3 56.71	+ 3 57.9	2.018	2.882	11.8	19.3
10 28	3 49.57	+ 3 24.8	1.983	2.906	8.8	19.2
11 7	3 40.92	+ 2 59.5	1.973	2.930	6.1	19.1
11 17	3 31.58	+ 2 45.4	1.991	2.953	5.4	19.1
11 27	3 22.52	+ 2 45.2	2.038	2.976	7.1	19.2
12 7	3 14.62	+ 2 59.9	2.113	2.999	9.8	19.4
12 17	3 8.52	+ 3 28.7	2.212	3.021	12.5	19.7
12 27	3 4.63	+ 4 10.0	2.333	3.043	14.7	19.9

395854 2012 YH_2 11 17.3 342.°39 1.°5/16.5 18

10 18	3 53.27	+18 36.0	1.374	2.261	14.8	20.2
10 28	3 48.12	+17 42.1	1.310	2.254	10.4	19.9
11 7	3 40.54	+16 39.0	1.269	2.247	5.4	19.6
11 17	3 31.57	+15 31.8	1.253	2.241	1.5	19.3
11 27	3 22.64	+14 27.6	1.264	2.236	5.9	19.6
12 7	3 15.12	+13 33.5	1.301	2.231	10.9	19.9
12 17	3 10.03	+12 55.0	1.360	2.228	15.3	20.2
12 27	3 7.99	+12 35.0	1.439	2.225	19.0	20.4

84939 2003 WO_{130} 11 17.3 4.°66 0.°5/17.6 18

10 18	3 56.02	+20 28.1	1.441	2.320	14.8	18.7
10 28	3 50.01	+20 33.1	1.381	2.320	10.5	18.5
11 7	3 41.52	+20 30.5	1.344	2.320	5.6	18.2
11 17	3 31.61	+20 21.2	1.332	2.321	0.6	17.9
11 27	3 21.72	+20 8.1	1.348	2.323	5.0	18.2
12 7	3 13.27	+19 55.6	1.389	2.325	9.9	18.5
12 17	3 7.31	+19 48.0	1.455	2.328	14.2	18.8
12 27	3 4.46	+19 48.8	1.540	2.332	17.7	19.0

103647 2000 CH_{36} 11 17.3 270°.09 1°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.52	+24 57.4	1.609	2.471	14.4	19.8
10 28	3 51.87	+24 50.6	1.525	2.453	10.5	19.5
11 7	3 42.59	+24 30.9	1.464	2.435	6.0	19.2
11 17	3 31.65	+23 58.2	1.430	2.416	2.1	18.9
11 27	3 20.48	+23 15.6	1.423	2.397	4.9	19.1
12 7	3 10.55	+22 29.0	1.444	2.378	9.7	19.3
12 17	3 3.06	+21 45.2	1.490	2.358	14.2	19.5
12 27	2 58.77	+21 10.2	1.556	2.339	18.0	19.7

221846 2008 FR_{80} 11 17.3 119°.83 1°.5/16.6 18

10 18	3 57.96	+17 33.7	1.529	2.405	14.2	20.7
10 28	3 51.06	+16 50.9	1.475	2.413	9.9	20.5
11 7	3 41.92	+16 1.9	1.444	2.421	5.2	20.2
11 17	3 31.62	+15 10.7	1.441	2.429	1.6	20.0
11 27	3 21.53	+14 23.1	1.466	2.436	5.5	20.3
12 7	3 12.90	+13 44.3	1.518	2.443	10.1	20.6
12 17	3 6.67	+13 18.6	1.594	2.449	14.1	20.9
12 27	3 3.35	+13 7.9	1.690	2.456	17.4	21.1

291579 2006 FG_{47} 11 17.3 108°.62 0°.7/17.6 18

10 18	4 0.75	+20 15.1	1.859	2.719	12.9	20.6
10 28	3 52.79	+20 37.1	1.804	2.734	9.1	20.4
11 7	3 42.77	+20 53.0	1.775	2.748	4.8	20.2
11 17	3 31.66	+21 2.8	1.774	2.763	0.8	19.9
11 27	3 20.68	+21 7.8	1.804	2.777	4.2	20.2
12 7	3 11.00	+21 10.7	1.862	2.790	8.3	20.5
12 17	3 3.51	+21 14.7	1.947	2.803	11.9	20.7
12 27	2 58.73	+21 23.1	2.053	2.816	14.8	20.9

185302 2006 UK_{270} 11 17.4 345°.02 2°.1/18.5 18

10 18	3 55.84	+25 29.9	1.816	2.675	13.1	21.2
10 28	3 49.58	+25 30.4	1.747	2.674	9.6	21.0
11 7	3 41.20	+25 19.4	1.703	2.672	5.6	20.7
11 17	3 31.61	+24 57.4	1.685	2.671	2.2	20.5
11 27	3 22.02	+24 26.9	1.696	2.670	4.4	20.7
12 7	3 13.63	+23 52.6	1.735	2.669	8.4	20.9
12 17	3 7.36	+23 19.7	1.799	2.668	12.1	21.1
12 27	3 3.81	+22 52.9	1.886	2.667	15.3	21.4

274999 2009 TE_{27} 11 17.4 39°.76 1°.3/16.8 18

10 18	3 55.91	+15 14.5	1.712	2.588	12.9	19.5
10 28	3 49.40	+15 18.6	1.667	2.605	9.0	19.3
11 7	3 40.98	+15 21.1	1.647	2.624	4.7	19.1
11 17	3 31.60	+15 23.5	1.655	2.642	1.3	18.9
11 27	3 22.43	+15 28.1	1.691	2.662	4.8	19.2
12 7	3 14.56	+15 37.2	1.755	2.681	8.8	19.5
12 17	3 8.78	+15 52.5	1.843	2.701	12.4	19.7
12 27	3 5.56	+16 15.2	1.953	2.722	15.3	20.0

299425 2005 YT_{177} 11 17.4 333°.69 0°.0/17.3 15

10 18	3 49.96	+20 2.1	2.622	3.487	9.4	21.1
10 28	3 44.96	+19 46.2	2.546	3.478	6.6	20.9
11 7	3 38.62	+19 25.3	2.495	3.470	3.5	20.7
11 17	3 31.52	+19 0.8	2.474	3.462	0.1	20.4
11 27	3 24.41	+18 35.2	2.482	3.455	3.2	20.7
12 7	3 18.01	+18 11.3	2.520	3.448	6.4	20.9
12 17	3 12.93	+17 51.6	2.585	3.441	9.3	21.1
12 27	3 9.63	+17 38.6	2.673	3.434	11.8	21.2

181858 1998 XE_{7} 11 17.4 70°.49 1°.2/16.8 18

10 18	3 59.74	+17 28.7	1.366	2.245	15.4	20.1
10 28	3 52.31	+17 7.1	1.328	2.267	10.7	19.9
11 7	3 42.53	+16 40.3	1.313	2.289	5.5	19.6
11 17	3 31.65	+16 11.5	1.324	2.312	1.2	19.4
11 27	3 21.18	+15 45.2	1.362	2.334	5.5	19.8
12 7	3 12.48	+15 26.1	1.427	2.356	10.3	20.1
12 17	3 6.43	+15 17.4	1.516	2.378	14.4	20.4
12 27	3 3.48	+15 21.1	1.625	2.400	17.6	20.7

481583 2007 TF_{137} 11 17.4 26°.86 7°.1/19.8 18

10 18	4 1.69	+32 33.4	1.360	2.208	17.4	20.2
10 28	3 54.47	+33 54.6	1.309	2.217	13.6	20.0
11 7	3 44.04	+34 56.6	1.279	2.228	9.7	19.8
11 17	3 31.72	+35 33.6	1.274	2.240	7.2	19.7
11 27	3 19.37	+35 44.6	1.295	2.252	8.0	19.8
12 7	3 8.89	+35 34.2	1.340	2.265	11.2	20.0
12 17	3 1.59	+35 10.8	1.409	2.279	14.7	20.3
12 27	2 58.19	+34 43.4	1.497	2.294	17.9	20.5

138271 2000 GS_{16} 11 17.4 62°.31 1°.0/17.9 18

10 18	3 56.24	+22 46.3	1.751	2.617	13.2	20.0
10 28	3 49.78	+22 37.6	1.693	2.624	9.4	19.8
11 7	3 41.25	+22 19.4	1.658	2.632	5.1	19.5
11 17	3 31.62	+21 53.1	1.651	2.639	1.1	19.3
11 27	3 22.11	+21 22.0	1.673	2.647	4.3	19.5
12 7	3 13.89	+20 50.7	1.722	2.654	8.5	19.8
12 17	3 7.82	+20 23.9	1.797	2.662	12.3	20.0
12 27	3 4.44	+20 5.3	1.893	2.670	15.4	20.3

306362 2011 SG_{218} 11 17.4 78°.28 0°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.43	+21 12.8	1.711	2.581	13.3	20.7
10 28	3 49.87	+20 50.3	1.657	2.591	9.4	20.5
11 7	3 41.27	+20 19.3	1.627	2.602	4.9	20.2
11 17	3 31.62	+19 42.1	1.624	2.613	0.3	19.9
11 27	3 22.16	+19 2.8	1.650	2.623	4.4	20.3
12 7	3 14.04	+18 26.4	1.703	2.634	8.7	20.6
12 17	3 8.09	+17 57.2	1.782	2.645	12.5	20.8
12 27	3 4.81	+17 38.5	1.882	2.655	15.6	21.0

206087 2002 RN_{132} 11 17.4 109°.32 6°.2/21.5 18

10 18	4 1.28	+38 26.0	2.070	2.870	14.0	20.2
10 28	3 53.27	+38 46.3	2.012	2.887	11.2	20.0
11 7	3 43.05	+38 46.4	1.978	2.904	8.4	19.9
11 17	3 31.69	+38 24.2	1.970	2.921	6.5	19.8
11 27	3 20.54	+37 41.4	1.990	2.937	6.6	19.8
12 7	3 10.86	+36 43.4	2.038	2.953	8.6	20.0
12 17	3 3.56	+35 37.5	2.113	2.968	11.2	20.2
12 27	2 59.15	+34 31.5	2.211	2.983	13.6	20.4

423814 2006 KO_{9} 11 17.4 96°.27 2°.8/16.9 16

10 18	4 11.02	+ 9 17.8	1.473	2.332	15.7	20.4
10 28	4 0.10	+10 11.0	1.430	2.358	11.1	20.2
11 7	3 46.59	+11 9.6	1.412	2.383	6.1	20.0
11 17	3 31.82	+12 12.1	1.424	2.408	2.8	19.9
11 27	3 17.46	+13 17.4	1.466	2.433	6.1	20.1
12 7	3 5.01	+14 24.2	1.539	2.456	10.6	20.5
12 17	2 55.50	+15 32.3	1.637	2.479	14.5	20.8
12 27	2 49.43	+16 41.9	1.757	2.501	17.7	21.0

523394 2017 DL_{62} 11 17.4 85°.36 1°.7/16.5 18

10 18	3 54.68	+13 44.8	2.218	3.087	10.7	20.7
10 28	3 48.33	+13 41.1	2.156	3.091	7.5	20.5
11 7	3 40.40	+13 36.9	2.120	3.095	4.0	20.3
11 17	3 31.61	+13 34.0	2.113	3.099	1.7	20.1
11 27	3 22.87	+13 34.4	2.136	3.102	4.4	20.3
12 7	3 15.05	+13 40.0	2.187	3.106	7.8	20.5
12 17	3 8.86	+13 52.5	2.265	3.110	10.9	20.7
12 27	3 4.79	+14 12.6	2.366	3.114	13.5	20.9

5844 1986 UQ 11 17.4 71°.76 0°.0/17.4 18

10 18	4 0.25	+21 19.2	1.139	2.023	17.5	16.9
10 28	3 53.14	+20 45.3	1.096	2.037	12.3	16.7
11 7	3 43.13	+19 59.5	1.075	2.052	6.4	16.4
11 17	3 31.70	+19 5.6	1.078	2.066	0.2	16.0
11 27	3 20.69	+18 10.6	1.107	2.081	5.8	16.5
12 7	3 11.72	+17 22.4	1.161	2.096	11.4	16.8
12 17	3 5.87	+16 47.1	1.237	2.111	16.1	17.2
12 27	3 3.61	+16 28.3	1.332	2.125	19.9	17.5

226081 2002 LL_{17} 11 17.4 74°.18 0°.8/17.9 18

10 18	3 54.43	+24 38.4	2.183	3.037	11.4	19.7
10 28	3 48.03	+23 46.4	2.134	3.060	8.0	19.5
11 7	3 40.15	+22 44.3	2.111	3.083	4.3	19.4
11 17	3 31.61	+21 35.3	2.118	3.106	0.8	19.1
11 27	3 23.35	+20 24.0	2.155	3.128	3.6	19.4
12 7	3 16.23	+19 15.8	2.222	3.151	7.1	19.6
12 17	3 10.87	+18 15.2	2.316	3.173	10.2	19.9
12 27	3 7.66	+17 25.7	2.433	3.195	12.8	20.1

116006 2003 WA_{78} 11 17.4 228°.73 2°.2/19.0 18

10 18	3 53.41	+28 11.3	2.568	3.408	10.4	20.1
10 28	3 47.43	+27 53.6	2.488	3.402	7.7	19.9
11 7	3 39.94	+27 24.9	2.434	3.397	4.7	19.7
11 17	3 31.61	+26 45.8	2.409	3.391	2.3	19.5
11 27	3 23.29	+25 58.9	2.414	3.385	3.5	19.6
12 7	3 15.83	+25 8.1	2.449	3.379	6.5	19.8
12 17	3 9.90	+24 17.8	2.511	3.372	9.4	20.0
12 27	3 5.98	+23 32.2	2.598	3.366	11.9	20.1

487223 2014 OF_{391} 11 17.4 37°.76 3°.0/15.9 17

10 18	3 54.37	+10 35.8	1.954	2.828	11.7	20.4
10 28	3 48.22	+10 25.4	1.900	2.836	8.3	20.2
11 7	3 40.37	+10 17.2	1.872	2.844	4.8	20.0
11 17	3 31.63	+10 13.7	1.871	2.852	3.0	19.9
11 27	3 23.00	+10 17.5	1.899	2.861	5.4	20.1
12 7	3 15.43	+10 30.1	1.956	2.870	8.9	20.3
12 17	3 9.64	+10 52.5	2.037	2.879	12.1	20.6
12 27	3 6.13	+11 24.5	2.140	2.889	14.7	20.8

35111 1992 BH_{4} 11 17.4 36°.47 1°.7/17.9 18

10 18	3 59.01	+22 58.2	1.036	1.924	18.4	18.2
10 28	3 52.62	+23 2.9	0.994	1.935	13.2	18.0
11 7	3 43.02	+22 54.0	0.971	1.947	7.2	17.7
11 17	3 31.73	+22 32.6	0.971	1.959	1.8	17.4
11 27	3 20.75	+22 3.2	0.996	1.972	5.9	17.7
12 7	3 11.92	+21 33.1	1.045	1.986	11.6	18.1
12 17	3 6.43	+21 9.3	1.115	2.001	16.5	18.4
12 27	3 4.80	+20 56.7	1.204	2.016	20.5	18.7

518760 2009 UP_{60} 11 17.4 153°.99 0°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.89	+18 32.6	2.375	3.236	10.4	21.7
10 28	3 48.45	+18 29.0	2.308	3.240	7.2	21.5
11 7	3 40.47	+18 21.4	2.268	3.243	3.8	21.3
11 17	3 31.66	+18 10.9	2.258	3.246	0.3	21.0
11 27	3 22.87	+17 59.5	2.278	3.249	3.6	21.3
12 7	3 14.98	+17 49.8	2.327	3.252	7.1	21.5
12 17	3 8.65	+17 44.3	2.403	3.255	10.1	21.7
12 27	3 4.38	+17 45.1	2.503	3.257	12.7	21.9

266568 2008 GP_{120} 11 17.4 79°.47 0°.1/17.4 18

10 18	4 2.49	+19 12.2	1.430	2.301	15.3	20.4
10 28	3 54.24	+19 20.1	1.390	2.325	10.7	20.2
11 7	3 43.57	+19 21.4	1.375	2.350	5.6	20.0
11 17	3 31.76	+19 16.9	1.386	2.374	0.2	19.6
11 27	3 20.35	+19 9.5	1.425	2.398	5.0	20.1
12 7	3 10.73	+19 3.3	1.491	2.422	9.8	20.4
12 17	3 3.82	+19 1.9	1.582	2.445	13.8	20.7
12 27	3 0.09	+19 8.4	1.694	2.468	17.0	21.0

444299 2005 VO_{13} 11 17.4 4°.50 2°.8/18.5 17

10 18	3 57.70	+25 25.8	1.792	2.649	13.4	21.1
10 28	3 51.01	+26 1.7	1.725	2.648	9.8	20.8
11 7	3 42.04	+26 27.8	1.682	2.649	5.9	20.6
11 17	3 31.72	+26 42.5	1.666	2.649	2.9	20.4
11 27	3 21.33	+26 46.6	1.679	2.650	4.7	20.5
12 7	3 12.15	+26 42.9	1.720	2.652	8.6	20.8
12 17	3 5.17	+26 36.1	1.786	2.654	12.3	21.0
12 27	3 1.06	+26 30.8	1.874	2.656	15.4	21.2

439166 2011 UH_{386} 11 17.4 12°.57 2°.6/18.8 17

10 18	3 48.62	+27 33.6	0.959	1.855	18.8	19.5
10 28	3 45.41	+26 50.1	0.920	1.864	13.6	19.3
11 7	3 39.26	+25 44.0	0.901	1.876	7.9	19.0
11 17	3 31.61	+24 20.3	0.903	1.890	2.8	18.8
11 27	3 24.32	+22 48.8	0.929	1.907	5.7	19.0
12 7	3 19.01	+21 21.4	0.978	1.926	11.2	19.4
12 17	3 16.67	+20 7.9	1.048	1.947	16.0	19.7
12 27	3 17.74	+19 13.9	1.136	1.970	20.0	20.0

279246 2009 VH_{34} 11 17.4 299°.38 0°.8/17.9 17

10 18	3 53.10	+23 6.1	2.116	2.978	11.4	21.2
10 28	3 47.50	+22 44.2	2.034	2.964	8.2	21.0
11 7	3 40.10	+22 13.2	1.976	2.949	4.5	20.7
11 17	3 31.65	+21 34.4	1.947	2.935	0.9	20.4
11 27	3 23.14	+20 51.0	1.948	2.922	3.8	20.6
12 7	3 15.55	+20 7.6	1.977	2.908	7.7	20.8
12 17	3 9.68	+19 28.6	2.032	2.894	11.2	21.0
12 27	3 6.11	+18 57.8	2.110	2.881	14.2	21.2

35347 Tallinn 11 17.4 139°.99 0°.0/17.4 18

10 18	3 55.68	+18 55.4	2.292	3.153	10.7	17.7
10 28	3 49.06	+19 0.2	2.227	3.158	7.5	17.5
11 7	3 40.82	+19 0.8	2.187	3.161	3.9	17.3
11 17	3 31.68	+18 58.0	2.177	3.165	0.1	16.9
11 27	3 22.57	+18 53.5	2.197	3.169	3.6	17.3
12 7	3 14.39	+18 49.8	2.246	3.172	7.2	17.5
12 17	3 7.85	+18 49.3	2.323	3.176	10.4	17.7
12 27	3 3.46	+18 54.1	2.422	3.179	13.0	17.9

129656 1998 QO_{16} 11 17.4 84°.68 6°.6/13.8 18

10 18	3 56.70	+ 2 43.5	1.816	2.682	12.8	19.7
10 28	3 49.65	+ 1 34.3	1.789	2.710	9.7	19.6
11 7	3 41.01	+ 0 34.9	1.787	2.738	7.2	19.5
11 17	3 31.70	− 0 9.1	1.813	2.766	6.7	19.5
11 27	3 22.76	− 0 33.7	1.866	2.793	8.5	19.7
12 7	3 15.11	− 0 37.8	1.946	2.820	11.2	19.9
12 17	3 9.41	− 0 22.3	2.050	2.846	13.7	20.1
12 27	3 6.03	+ 0 10.3	2.172	2.872	15.9	20.3

12879 1998 QN_{18} 11 17.4 224°.16 4°.6/20.4 18

10 18	3 56.66	+34 15.9	2.322	3.140	12.1	18.4
10 28	3 50.00	+34 31.4	2.244	3.137	9.4	18.3
11 7	3 41.41	+34 31.9	2.191	3.133	6.7	18.1
11 17	3 31.72	+34 15.9	2.165	3.129	4.8	18.0
11 27	3 21.99	+33 44.5	2.168	3.126	5.2	18.0
12 7	3 13.29	+33 1.8	2.200	3.122	7.6	18.1
12 17	3 6.48	+32 12.9	2.258	3.118	10.4	18.3
12 27	3 2.12	+31 24.0	2.340	3.114	12.9	18.5

215768 2004 FZ_{131} 11 17.4 153°.24 2°.3/15.9 18

10 18	3 54.61	+13 57.5	2.045	2.916	11.4	21.5
10 28	3 48.37	+13 19.6	1.984	2.920	7.9	21.3
11 7	3 40.47	+12 40.1	1.948	2.923	4.4	21.1
11 17	3 31.68	+12 2.0	1.942	2.926	2.3	20.9
11 27	3 22.99	+11 29.5	1.965	2.928	5.1	21.1
12 7	3 15.31	+11 5.9	2.016	2.931	8.6	21.3
12 17	3 9.38	+10 53.4	2.092	2.933	11.9	21.6
12 27	3 5.68	+10 53.3	2.191	2.935	14.6	21.8

328800 2009 VO_{29} 11 17.4 1°.53 0°.9/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.58	+21 9.7	1.949	2.813	12.1	20.2
10 28	3 49.30	+21 27.6	1.882	2.813	8.6	20.0
11 7	3 41.07	+21 39.4	1.839	2.813	4.7	19.8
11 17	3 31.71	+21 45.2	1.825	2.813	1.0	19.5
11 27	3 22.32	+21 46.3	1.840	2.813	4.0	19.7
12 7	3 13.99	+21 45.6	1.883	2.814	8.0	20.0
12 17	3 7.57	+21 46.0	1.952	2.815	11.5	20.2
12 27	3 3.65	+21 50.8	2.043	2.817	14.5	20.4

267256 2001 QR_{44} 11 17.4 129°.23 0°.8/17.8 18

10 18	4 0.02	+22 42.8	1.826	2.684	13.1	21.5
10 28	3 52.29	+22 27.4	1.771	2.699	9.3	21.3
11 7	3 42.54	+22 2.3	1.741	2.713	5.0	21.1
11 17	3 31.76	+21 29.2	1.739	2.727	0.9	20.8
11 27	3 21.20	+20 51.6	1.767	2.740	4.2	21.1
12 7	3 12.02	+20 14.4	1.823	2.752	8.4	21.4
12 17	3 5.04	+19 42.3	1.906	2.764	12.1	21.6
12 27	3 0.78	+19 19.1	2.011	2.775	15.1	21.9

517041 2013 AQ_{21} 11 17.4 295°.08 7°.5/14.0 18

10 18	3 56.04	− 0 24.6	1.758	2.621	13.3	20.8
10 28	3 49.59	− 1 1.2	1.700	2.616	10.4	20.6
11 7	3 41.19	− 1 25.5	1.666	2.612	8.1	20.5
11 17	3 31.72	− 1 32.5	1.658	2.607	7.6	20.4
11 27	3 22.28	− 1 18.7	1.677	2.603	9.4	20.5
12 7	3 13.97	− 0 43.6	1.722	2.598	12.2	20.7
12 17	3 7.63	+ 0 11.1	1.790	2.594	15.1	20.9
12 27	3 3.80	+ 1 22.2	1.877	2.589	17.7	21.1

111166 2001 VN_{115} 11 17.4 173°.25 0°.3/17.5 18

10 18	3 54.88	+21 14.2	2.016	2.880	11.8	20.1
10 28	3 48.69	+20 55.3	1.949	2.881	8.3	19.9
11 7	3 40.69	+20 28.8	1.907	2.881	4.4	19.7
11 17	3 31.70	+19 56.5	1.893	2.881	0.4	19.4
11 27	3 22.76	+19 21.7	1.908	2.881	4.0	19.7
12 7	3 14.87	+18 48.5	1.952	2.881	7.9	19.9
12 17	3 8.83	+18 20.8	2.022	2.881	11.4	20.1
12 27	3 5.15	+18 1.8	2.115	2.881	14.3	20.3

98735 2000 YC_{34} 11 17.4 343°.17 12°.3/11.6 18

10 18	3 50.50	− 3 23.7	1.119	2.007	17.3	18.4
10 28	3 46.52	− 4 53.2	1.067	1.990	14.5	18.1
11 7	3 39.89	− 6 3.6	1.034	1.975	12.5	18.0
11 17	3 31.67	− 6 43.5	1.022	1.961	12.6	18.0
11 27	3 23.40	− 6 44.8	1.032	1.948	14.8	18.0
12 7	3 16.56	− 6 6.0	1.061	1.938	18.0	18.2
12 17	3 12.31	− 4 51.1	1.108	1.929	21.4	18.4
12 27	3 11.33	− 3 7.4	1.169	1.922	24.4	18.6

411092 2009 WX_{1} 11 17.4 0°.04 2°.0/16.3 17

10 18	3 51.48	+15 59.7	1.578	2.464	13.3	20.6
10 28	3 46.61	+15 20.6	1.519	2.462	9.3	20.4
11 7	3 39.70	+14 37.3	1.483	2.460	4.9	20.1
11 17	3 31.67	+13 54.1	1.474	2.460	2.0	19.9
11 27	3 23.70	+13 15.9	1.491	2.461	5.5	20.2
12 7	3 16.93	+12 47.4	1.535	2.462	9.8	20.4
12 17	3 12.24	+12 31.9	1.603	2.464	13.7	20.7
12 27	3 10.18	+12 30.9	1.690	2.468	16.9	20.9

352287 2007 TM_{396} 11 17.4 173°.25 0°.3/17.6 18

10 18	3 55.84	+22 36.6	2.041	2.901	11.9	20.8
10 28	3 49.29	+21 51.0	1.973	2.903	8.4	20.6
11 7	3 40.97	+20 55.4	1.930	2.904	4.4	20.3
11 17	3 31.72	+19 52.7	1.917	2.906	0.3	20.0
11 27	3 22.58	+18 47.5	1.934	2.906	4.0	20.3
12 7	3 14.56	+17 45.3	1.980	2.907	7.9	20.6
12 17	3 8.40	+16 51.2	2.052	2.907	11.4	20.8
12 27	3 4.61	+16 8.9	2.147	2.907	14.4	21.0

381047 2006 VD_{151} 11 17.4 359°.38 1°.5/16.9 18

10 18	3 54.58	+16 48.6	1.005	1.906	17.6	20.6
10 28	3 49.68	+16 39.6	0.953	1.903	12.4	20.3
11 7	3 41.63	+16 25.5	0.921	1.900	6.5	20.0
11 17	3 31.74	+16 9.7	0.911	1.899	1.5	19.7
11 27	3 21.88	+15 57.0	0.925	1.899	6.7	20.0
12 7	3 13.87	+15 52.6	0.961	1.901	12.5	20.4
12 17	3 8.99	+16 0.3	1.018	1.905	17.7	20.7
12 27	3 7.91	+16 21.9	1.093	1.909	21.9	21.0

476963 2008 XA_{56} 11 17.4 354°.37 4°.7/15.4 18

10 18	3 55.41	+ 9 12.7	1.450	2.335	14.3	20.3
10 28	3 49.47	+ 8 36.6	1.393	2.332	10.3	20.0
11 7	3 41.24	+ 8 4.0	1.360	2.331	6.4	19.8
11 17	3 31.74	+ 7 40.0	1.352	2.330	4.8	19.7
11 27	3 22.29	+ 7 29.1	1.371	2.329	7.6	19.9
12 7	3 14.20	+ 7 34.3	1.415	2.328	11.7	20.1
12 17	3 8.41	+ 7 56.3	1.482	2.328	15.5	20.3
12 27	3 5.53	+ 8 34.1	1.568	2.329	18.7	20.6

114011 2002 UG_{40} 11 17.4 91°.07 4°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.96	+ 7 50.6	1.860	2.734	12.2	19.5
10 28	3 48.60	+ 6 57.6	1.815	2.747	8.8	19.3
11 7	3 40.57	+ 6 8.8	1.795	2.761	5.7	19.1
11 17	3 31.71	+ 5 28.8	1.803	2.774	4.8	19.1
11 27	3 23.06	+ 5 2.0	1.840	2.787	6.9	19.3
12 7	3 15.57	+ 4 50.8	1.903	2.801	10.1	19.5
12 17	3 9.95	+ 4 55.8	1.991	2.814	13.1	19.7
12 27	3 6.63	+ 5 16.2	2.099	2.826	15.6	19.9

158310 2001 VN_{6} 11 17.4 329°.61 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.02	+21 10.1	1.310	2.194	15.6	19.5
10 28	3 49.63	+20 44.3	1.242	2.183	11.1	19.3
11 7	3 41.51	+20 7.2	1.196	2.173	5.9	18.9
11 17	3 31.76	+19 21.4	1.174	2.163	0.3	18.5
11 27	3 21.93	+18 32.6	1.179	2.154	5.5	18.9
12 7	3 13.58	+17 47.6	1.209	2.146	10.9	19.2
12 17	3 7.88	+17 12.8	1.262	2.138	15.7	19.4
12 27	3 5.53	+16 52.7	1.333	2.131	19.6	19.7

140787 2001 UF_{141} 11 17.4 271°.40 2°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.76	+14 4.3	1.932	2.807	11.7	20.3
10 28	3 47.89	+13 17.7	1.869	2.807	8.2	20.1
11 7	3 40.27	+12 28.7	1.831	2.806	4.5	19.9
11 17	3 31.71	+11 41.4	1.822	2.805	2.6	19.7
11 27	3 23.22	+11 0.2	1.841	2.805	5.4	19.9
12 7	3 15.77	+10 29.2	1.889	2.804	9.1	20.1
12 17	3 10.12	+10 11.1	1.961	2.803	12.4	20.3
12 27	3 6.78	+10 7.0	2.054	2.803	15.3	20.5

200310 2000 DR_{92} 11 17.4 34°.90 4°.9/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.12	+34 23.2	2.122	2.946	12.9	20.0
10 28	3 49.71	+34 41.2	2.055	2.950	10.1	19.9
11 7	3 41.29	+34 43.0	2.011	2.954	7.2	19.7
11 17	3 31.75	+34 27.3	1.994	2.959	5.1	19.6
11 27	3 22.25	+33 55.3	2.005	2.963	5.5	19.6
12 7	3 13.91	+33 11.6	2.044	2.968	8.0	19.8
12 17	3 7.59	+32 21.9	2.110	2.973	10.8	20.0
12 27	3 3.86	+31 32.5	2.198	2.979	13.4	20.2

518842 2010 CF_{239} 11 17.4 46°.84 3°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.57	+ 9 28.8	2.106	2.978	11.0	20.8
10 28	3 47.61	+ 9 6.0	2.049	2.982	7.9	20.6
11 7	3 40.08	+ 8 45.8	2.017	2.987	4.8	20.4
11 17	3 31.71	+ 8 31.2	2.013	2.991	3.4	20.3
11 27	3 23.42	+ 8 25.0	2.039	2.996	5.6	20.5
12 7	3 16.09	+ 8 29.3	2.093	3.000	8.8	20.7
12 17	3 10.40	+ 8 44.7	2.172	3.005	11.7	20.9
12 27	3 6.82	+ 9 11.2	2.272	3.010	14.3	21.1

436439 2011 CR_{3} 11 17.4 231°.44 3°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.48	+13 17.7	1.736	2.610	12.9	22.0
10 28	3 50.76	+12 30.9	1.663	2.600	9.1	21.8
11 7	3 41.89	+11 41.8	1.616	2.590	5.2	21.5
11 17	3 31.78	+10 54.4	1.596	2.579	3.1	21.4
11 27	3 21.63	+10 14.1	1.605	2.567	6.2	21.6
12 7	3 12.62	+ 9 45.3	1.641	2.555	10.3	21.8
12 17	3 5.69	+ 9 31.3	1.702	2.542	14.1	22.0
12 27	3 1.46	+ 9 33.1	1.784	2.529	17.4	22.2

170932 2005 AC_{10} 11 17.4 14°.67 7°.5/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.65	+32 3.2	0.882	1.764	21.4	19.4
10 28	3 51.76	+32 52.9	0.839	1.768	16.6	19.1
11 7	3 42.94	+33 15.5	0.813	1.774	11.5	18.9
11 17	3 31.83	+33 6.5	0.807	1.782	7.8	18.7
11 27	3 20.90	+32 28.4	0.822	1.792	8.8	18.8
12 7	3 12.46	+31 31.4	0.859	1.803	13.1	19.1
12 17	3 7.96	+30 28.6	0.916	1.815	17.8	19.4
12 27	3 8.00	+29 31.5	0.989	1.829	21.9	19.7

328734 2009 UA_{1} 11 17.4 118°.09 0°.8/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.43	+18 52.3	1.878	2.739	12.7	21.5
10 28	3 52.37	+18 13.4	1.832	2.763	8.8	21.3
11 7	3 42.51	+17 28.3	1.811	2.786	4.5	21.1
11 17	3 31.83	+16 40.2	1.820	2.809	0.8	20.9
11 27	3 21.48	+15 53.5	1.860	2.830	4.5	21.2
12 7	3 12.52	+15 12.9	1.928	2.850	8.5	21.5
12 17	3 5.68	+14 42.1	2.023	2.869	12.0	21.7
12 27	3 1.39	+14 23.3	2.140	2.888	14.8	22.0

116402 2003 YJ_{135} 11 17.4 353°.19 0°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.67	+18 52.9	1.116	2.011	16.8	18.2
10 28	3 49.78	+19 36.4	1.055	2.001	12.0	17.8
11 7	3 41.78	+20 16.1	1.014	1.992	6.5	17.5
11 17	3 31.81	+20 50.6	0.997	1.986	1.0	17.1
11 27	3 21.62	+21 20.4	1.005	1.981	5.8	17.5
12 7	3 13.04	+21 47.5	1.036	1.978	11.5	17.8
12 17	3 7.47	+22 15.3	1.088	1.977	16.5	18.0
12 27	3 5.70	+22 47.3	1.159	1.978	20.7	18.3

232554 2003 SZ_{222} 11 17.4 51°.98 4°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 52.32	+10 18.1	1.915	2.793	11.7	19.5
10 28	3 46.71	+ 8 54.5	1.875	2.811	8.3	19.3
11 7	3 39.57	+ 7 32.7	1.861	2.829	5.2	19.1
11 17	3 31.72	+ 6 18.5	1.875	2.848	4.4	19.1
11 27	3 24.12	+ 5 17.5	1.918	2.867	6.6	19.3
12 7	3 17.63	+ 4 33.5	1.988	2.886	9.7	19.5
12 17	3 12.88	+ 4 8.0	2.083	2.905	12.6	19.8
12 27	3 10.26	+ 4 0.7	2.198	2.924	15.0	20.0

259161 2002 YV_{4} 11 17.4 189°.64 17°.2/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 13.93	+54 53.9	1.204	1.950	24.9	19.9
10 28	4 5.21	+56 14.6	1.145	1.950	22.4	19.7
11 7	3 50.54	+56 51.3	1.099	1.950	20.0	19.6
11 17	3 32.14	+56 29.8	1.070	1.950	18.0	19.4
11 27	3 13.84	+55 5.1	1.060	1.949	17.2	19.4
12 7	2 59.35	+52 47.0	1.071	1.948	17.9	19.4
12 17	2 50.74	+49 55.6	1.101	1.946	19.8	19.5
12 27	2 48.44	+46 53.8	1.150	1.945	22.3	19.7

148255 2000 EF_{201} 11 17.4 221°.39 0°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.65	+18 48.3	1.787	2.654	13.0	21.1
10 28	3 51.61	+18 33.7	1.713	2.647	9.1	20.9
11 7	3 42.37	+18 12.8	1.664	2.640	4.8	20.6
11 17	3 31.84	+17 47.4	1.643	2.632	0.5	20.3
11 27	3 21.26	+17 21.0	1.651	2.623	4.7	20.6
12 7	3 11.83	+16 57.7	1.687	2.614	9.1	20.8
12 17	3 4.54	+16 41.4	1.749	2.605	13.1	21.1
12 27	3 0.00	+16 35.3	1.832	2.595	16.4	21.3

391574 2007 TZ_{240} 11 17.4 42°.46 6°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.88	+ 7 27.6	1.515	2.399	13.8	20.7
10 28	3 48.18	+ 6 1.5	1.470	2.407	10.1	20.5
11 7	3 40.48	+ 4 40.0	1.450	2.415	6.9	20.3
11 17	3 31.77	+ 3 30.6	1.455	2.423	6.2	20.3
11 27	3 23.27	+ 2 40.1	1.488	2.431	8.7	20.5
12 7	3 16.11	+ 2 12.3	1.545	2.440	12.2	20.7
12 17	3 11.09	+ 2 7.8	1.624	2.449	15.5	20.9
12 27	3 8.69	+ 2 24.8	1.723	2.458	18.3	21.2

209221 2003 WW_{61} 11 17.4 7°.58 0°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.68	+20 14.4	1.435	2.316	14.7	19.8
10 28	3 49.07	+19 47.4	1.376	2.316	10.3	19.6
11 7	3 41.09	+19 11.5	1.341	2.318	5.4	19.3
11 17	3 31.80	+18 29.7	1.331	2.319	0.3	18.9
11 27	3 22.60	+17 47.1	1.348	2.322	5.1	19.3
12 7	3 14.83	+17 9.4	1.391	2.325	10.0	19.6
12 17	3 9.48	+16 41.7	1.457	2.329	14.3	19.9
12 27	3 7.12	+16 27.3	1.544	2.333	17.8	20.1

210531 1999 FB_{1} 11 17.4 129°.59 2°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.42	+15 48.8	1.556	2.431	14.1	20.2
10 28	3 52.04	+14 53.7	1.505	2.443	9.8	20.0
11 7	3 42.49	+13 54.3	1.479	2.455	5.2	19.7
11 17	3 31.86	+12 55.3	1.481	2.466	2.4	19.6
11 27	3 21.50	+12 2.8	1.511	2.477	5.9	19.8
12 7	3 12.65	+11 22.2	1.568	2.487	10.3	20.1
12 17	3 6.17	+10 56.8	1.650	2.497	14.2	20.4
12 27	3 2.56	+10 48.0	1.752	2.506	17.3	20.6

88412 2001 QN_{28} 11 17.4 81°.68 2°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.03	+25 38.7	1.273	2.134	17.5	19.6
10 28	3 57.55	+25 40.9	1.242	2.168	12.5	19.4
11 7	3 45.33	+25 27.3	1.233	2.202	7.1	19.2
11 17	3 31.97	+24 58.5	1.250	2.236	2.7	19.0
11 27	3 19.32	+24 19.2	1.295	2.268	5.4	19.3
12 7	3 8.96	+23 37.1	1.366	2.300	10.2	19.6
12 17	3 1.83	+22 59.3	1.462	2.331	14.4	20.0
12 27	2 58.31	+22 31.3	1.578	2.361	17.7	20.3

97657 2000 FN_{20} 11 17.4 276°.02 1°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.71	+16 5.4	2.343	3.210	10.3	19.3
10 28	3 47.80	+15 53.4	2.261	3.195	7.2	19.1
11 7	3 40.27	+15 38.8	2.204	3.180	3.8	18.9
11 17	3 31.79	+15 23.2	2.177	3.164	1.1	18.7
11 27	3 23.21	+15 9.1	2.180	3.149	4.0	18.9
12 7	3 15.41	+14 59.2	2.211	3.133	7.6	19.0
12 17	3 9.11	+14 55.7	2.270	3.118	10.8	19.2
12 27	3 4.86	+15 0.4	2.351	3.102	13.5	19.4

492798 2014 QV_{244} 11 17.4 60°.42 3°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.45	+10 32.7	2.067	2.939	11.2	21.2
10 28	3 48.27	+10 16.6	2.011	2.945	8.0	21.0
11 7	3 40.46	+10 2.4	1.980	2.952	4.6	20.8
11 17	3 31.80	+ 9 52.8	1.978	2.958	3.0	20.7
11 27	3 23.23	+ 9 50.5	2.005	2.965	5.3	20.9
12 7	3 15.66	+ 9 57.2	2.060	2.972	8.6	21.1
12 17	3 9.78	+10 14.0	2.140	2.979	11.7	21.3
12 27	3 6.07	+10 40.9	2.243	2.986	14.3	21.5

201387 2002 VV_{14} 11 17.4 39°.12 1°.6/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 53.36	+25 35.7	2.318	3.170	10.9	20.3
10 28	3 47.53	+25 23.9	2.249	3.172	7.9	20.1
11 7	3 40.09	+25 2.5	2.206	3.174	4.6	19.9
11 17	3 31.80	+24 32.4	2.191	3.176	1.7	19.7
11 27	3 23.55	+23 56.2	2.206	3.179	3.5	19.9
12 7	3 16.23	+23 17.6	2.249	3.181	6.9	20.1
12 17	3 10.55	+22 40.9	2.320	3.183	10.0	20.3
12 27	3 6.99	+22 9.7	2.414	3.186	12.6	20.5

487495 2014 SH_{285} 11 17.4 34°.22 4°.6/20.4 17

10 18	3 55.88	+33 34.1	2.070	2.899	13.0	20.7
10 28	3 49.57	+33 45.5	2.004	2.903	10.0	20.5
11 7	3 41.26	+33 40.6	1.961	2.907	7.0	20.3
11 17	3 31.84	+33 18.6	1.944	2.912	4.8	20.2
11 27	3 22.48	+32 41.3	1.956	2.917	5.3	20.2
12 7	3 14.30	+31 53.2	1.996	2.923	7.9	20.4
12 17	3 8.16	+31 0.4	2.062	2.928	10.9	20.6
12 27	3 4.61	+30 9.2	2.151	2.934	13.6	20.8

401341 2013 AH_{89} 11 17.4 277°.37 2°.0/16.5 18

10 18	3 56.50	+14 14.1	1.776	2.650	12.7	21.1
10 28	3 50.06	+14 1.7	1.708	2.645	8.9	20.9
11 7	3 41.56	+13 48.0	1.664	2.639	4.8	20.6
11 17	3 31.86	+13 35.4	1.648	2.634	2.0	20.4
11 27	3 22.14	+13 26.9	1.660	2.628	5.3	20.6
12 7	3 13.52	+13 25.5	1.700	2.623	9.4	20.9
12 17	3 6.93	+13 33.4	1.766	2.617	13.2	21.1
12 27	3 2.95	+13 51.8	1.852	2.612	16.3	21.3

322749 2000 YO_{31} 11 17.4 260°.72 1°.7/16.4 17

10 18	3 53.81	+14 44.3	2.189	3.059	10.8	21.7
10 28	3 47.88	+14 22.5	2.117	3.053	7.6	21.5
11 7	3 40.31	+13 58.7	2.072	3.047	4.1	21.3
11 17	3 31.82	+13 35.4	2.055	3.041	1.8	21.1
11 27	3 23.32	+13 15.5	2.068	3.034	4.5	21.3
12 7	3 15.70	+13 1.9	2.109	3.028	8.0	21.5
12 17	3 9.69	+12 56.9	2.176	3.022	11.3	21.7
12 27	3 5.81	+13 2.0	2.266	3.015	14.0	21.9

154780 2004 PB_{35} 11 17.4 35°.67 5°.9/20.7 17

10 18	3 57.72	+35 2.9	1.779	2.607	14.8	20.1
10 28	3 51.13	+35 32.6	1.721	2.617	11.6	19.9
11 7	3 42.17	+35 43.3	1.686	2.628	8.4	19.7
11 17	3 31.89	+35 32.7	1.676	2.639	6.1	19.6
11 27	3 21.72	+35 2.3	1.694	2.651	6.5	19.7
12 7	3 12.99	+34 17.4	1.738	2.662	9.1	19.8
12 17	3 6.69	+33 25.3	1.807	2.675	12.1	20.1
12 27	3 3.41	+32 33.3	1.898	2.687	14.9	20.3

341948 2008 PH_{2} 11 17.4 116°.17 7°.5/22.0 18

10 18	4 1.00	+39 35.5	1.606	2.418	16.8	20.7
10 28	3 53.76	+39 43.2	1.539	2.421	13.6	20.5
11 7	3 43.65	+39 24.4	1.493	2.423	10.3	20.4
11 17	3 31.95	+38 36.1	1.470	2.425	7.9	20.2
11 27	3 20.40	+37 20.8	1.475	2.426	7.9	20.2
12 7	3 10.64	+35 46.6	1.505	2.428	10.3	20.4
12 17	3 3.83	+34 4.6	1.561	2.430	13.6	20.6
12 27	3 0.53	+32 25.9	1.638	2.432	16.7	20.8

157866 1998 YY_{4} 11 17.4 8°.86 2°.8/16.0 18

10 18	3 53.30	+12 13.6	1.811	2.690	12.2	19.4
10 28	3 47.70	+11 54.0	1.753	2.691	8.6	19.2
11 7	3 40.26	+11 35.0	1.719	2.693	4.8	18.9
11 17	3 31.83	+11 19.6	1.713	2.696	2.8	18.8
11 27	3 23.46	+11 11.1	1.735	2.699	5.5	19.0
12 7	3 16.17	+11 12.0	1.783	2.703	9.3	19.2
12 17	3 10.75	+11 23.8	1.857	2.707	12.7	19.5
12 27	3 7.73	+11 46.8	1.952	2.711	15.6	19.7

33033 1997 RA_{10} 11 17.4 345°.05 3°.0/16.2 18

10 18	3 54.56	+14 15.9	1.223	2.117	15.7	18.1
10 28	3 49.34	+13 43.5	1.163	2.109	11.1	17.8
11 7	3 41.41	+13 8.6	1.124	2.102	6.1	17.5
11 17	3 31.90	+12 35.8	1.110	2.096	3.0	17.3
11 27	3 22.35	+12 10.9	1.122	2.091	6.9	17.6
12 7	3 14.32	+11 58.9	1.157	2.086	12.0	17.8
12 17	3 8.95	+12 2.7	1.214	2.083	16.7	18.1
12 27	3 6.91	+12 23.1	1.289	2.081	20.5	18.4

372661 2009 WD_{74} 11 17.4 226°.68 0°.6/17.9 18

10 18	3 52.86	+23 57.7	2.838	3.687	9.3	20.9
10 28	3 46.96	+23 15.7	2.753	3.677	6.6	20.7
11 7	3 39.75	+22 25.2	2.696	3.667	3.6	20.5
11 17	3 31.83	+21 27.9	2.668	3.656	0.7	20.3
11 27	3 23.93	+20 27.1	2.673	3.646	3.0	20.5
12 7	3 16.77	+19 26.7	2.708	3.634	6.1	20.6
12 17	3 10.94	+18 30.6	2.771	3.623	8.9	20.8
12 27	3 6.87	+17 42.2	2.860	3.611	11.3	21.0

123868 2001 DJ_{13} 11 17.4 170°.77 9°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 51.96	−14 28.9	2.666	3.469	11.1	19.8
10 28	3 46.28	−15 46.2	2.629	3.471	10.0	19.7
11 7	3 39.36	−16 46.6	2.617	3.473	9.5	19.7
11 17	3 31.82	−17 25.5	2.629	3.475	9.7	19.7
11 27	3 24.36	−17 39.9	2.666	3.476	10.6	19.8
12 7	3 17.67	−17 29.8	2.726	3.477	11.9	19.9
12 17	3 12.30	−16 57.0	2.807	3.478	13.2	20.0
12 27	3 8.65	−16 4.8	2.904	3.479	14.4	20.1

130269 2000 DU_{54} 11 17.4 205°.96 0°.6/16.9 18

10 18	3 52.79	+18 4.2	2.640	3.501	9.4	21.0
10 28	3 46.96	+17 40.7	2.566	3.498	6.6	20.8
11 7	3 39.77	+17 13.2	2.519	3.495	3.4	20.6
11 17	3 31.84	+16 43.4	2.503	3.491	0.7	20.3
11 27	3 23.93	+16 14.1	2.516	3.487	3.5	20.6
12 7	3 16.76	+15 48.1	2.560	3.482	6.6	20.8
12 17	3 10.96	+15 28.0	2.631	3.478	9.5	20.9
12 27	3 6.96	+15 15.7	2.725	3.473	11.9	21.1

488052 2015 UF_{53} 11 17.4 17°.93 3°.8/15.3 18

10 18	3 53.69	+10 45.8	1.742	2.622	12.6	20.7
10 28	3 47.99	+ 9 58.1	1.686	2.624	8.9	20.5
11 7	3 40.43	+ 9 11.5	1.655	2.626	5.4	20.3
11 17	3 31.87	+ 8 30.6	1.650	2.629	3.9	20.2
11 27	3 23.41	+ 8 0.2	1.674	2.631	6.5	20.4
12 7	3 16.08	+ 7 43.8	1.724	2.634	10.1	20.6
12 17	3 10.69	+ 7 42.8	1.798	2.637	13.5	20.9
12 27	3 7.74	+ 7 57.3	1.892	2.641	16.4	21.1

149229 2002 RC_{104} 11 17.4 24°.94 4°.6/19.1 18

10 18	3 59.86	+28 19.1	1.215	2.083	17.7	19.0
10 28	3 53.31	+28 55.2	1.162	2.088	13.2	18.8
11 7	3 43.57	+29 13.9	1.129	2.094	8.4	18.5
11 17	3 32.00	+29 12.6	1.120	2.100	4.8	18.4
11 27	3 20.50	+28 53.0	1.136	2.107	6.5	18.5
12 7	3 10.90	+28 21.6	1.177	2.115	11.0	18.8
12 17	3 4.50	+27 46.9	1.241	2.123	15.4	19.1
12 27	3 1.95	+27 16.6	1.324	2.132	19.2	19.3

142762 2002 UF_{3} 11 17.4 359°.50 9°.5/13.0 18

10 18	3 53.35	− 1 57.3	1.440	2.314	15.0	19.2
10 28	3 48.00	− 3 1.1	1.393	2.312	12.1	19.1
11 7	3 40.52	− 3 49.2	1.369	2.311	10.0	18.9
11 17	3 31.89	− 4 14.2	1.368	2.310	9.7	18.9
11 27	3 23.36	− 4 11.2	1.392	2.310	11.5	19.0
12 7	3 16.13	− 3 39.7	1.439	2.311	14.4	19.2
12 17	3 11.10	− 2 42.5	1.506	2.313	17.3	19.4
12 27	3 8.82	− 1 24.5	1.591	2.316	19.9	19.6

335441 2005 US_{304} 11 17.4 341°.84 5°.5/15.4 18

10 18	3 53.23	+ 9 30.9	1.104	2.004	16.5	20.2
10 28	3 48.63	+ 8 51.6	1.043	1.990	12.0	19.9
11 7	3 41.15	+ 8 15.9	1.004	1.978	7.5	19.6
11 17	3 31.92	+ 7 50.5	0.987	1.967	5.6	19.5
11 27	3 22.57	+ 7 41.7	0.994	1.957	8.9	19.6
12 7	3 14.75	+ 7 53.4	1.024	1.948	13.8	19.9
12 17	3 9.71	+ 8 26.4	1.074	1.941	18.5	20.1
12 27	3 8.19	+ 9 18.7	1.140	1.936	22.4	20.4

21762 1999 RD_{201} 11 17.4 194°.22 7°.1/22.1 18

10 18	4 0.80	+40 19.3	1.937	2.734	15.0	18.8
10 28	3 53.37	+40 32.9	1.863	2.733	12.2	18.6
11 7	3 43.41	+40 23.4	1.810	2.732	9.4	18.4
11 17	3 32.02	+39 48.2	1.783	2.730	7.4	18.3
11 27	3 20.69	+38 48.4	1.783	2.728	7.4	18.3
12 7	3 10.84	+37 30.3	1.811	2.726	9.4	18.4
12 17	3 3.54	+36 2.4	1.864	2.724	12.2	18.6
12 27	2 59.39	+34 34.3	1.941	2.721	15.0	18.7

361511 2007 EZ_{181} 11 17.4 81°.19 4°.8/13.5 18

10 18	3 53.23	+ 6 45.3	2.340	3.207	10.3	20.6
10 28	3 47.11	+ 5 12.1	2.307	3.234	7.5	20.5
11 7	3 39.76	+ 3 43.3	2.301	3.259	5.3	20.4
11 17	3 31.88	+ 2 24.3	2.325	3.285	4.9	20.4
11 27	3 24.24	+ 1 19.9	2.379	3.310	6.7	20.6
12 7	3 17.58	+ 0 33.0	2.461	3.335	9.1	20.8
12 17	3 12.40	+ 0 4.3	2.569	3.360	11.4	21.0
12 27	3 9.07	− 0 6.8	2.697	3.385	13.4	21.2

11474 1982 SM_{2} 11 17.4 52°.07 4°.6/19.3 18

10 18	4 2.05	+28 52.7	1.136	2.004	18.7	17.5
10 28	3 54.68	+29 15.0	1.098	2.024	13.8	17.3
11 7	3 44.15	+29 16.9	1.080	2.045	8.7	17.1
11 17	3 32.05	+28 57.4	1.086	2.067	4.8	17.0
11 27	3 20.40	+28 20.2	1.117	2.089	6.4	17.1
12 7	3 11.01	+27 33.9	1.173	2.111	11.0	17.5
12 17	3 5.00	+26 47.7	1.251	2.133	15.3	17.8
12 27	3 2.83	+26 9.2	1.348	2.156	18.9	18.1

409785 2006 FH_7 11 17.4 302.°04 1.°9/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.56	+24 44.1	2.246	3.098	11.3	21.0
10 28	3 49.23	+24 59.9	2.171	3.094	8.2	20.8
11 7	3 41.10	+25 7.5	2.122	3.090	4.8	20.6
11 17	3 31.94	+25 6.6	2.101	3.086	2.0	20.4
11 27	3 22.71	+24 58.4	2.110	3.082	3.8	20.5
12 7	3 14.39	+24 45.9	2.148	3.079	7.2	20.7
12 17	3 7.80	+24 32.4	2.213	3.075	10.4	20.9
12 27	3 3.48	+24 21.7	2.301	3.072	13.2	21.1

160121 2000 UZ_{44} 11 17.4 260.°76 0.°3/17.6 18

10 18	3 59.11	+19 31.4	1.693	2.561	13.5	19.6
10 28	3 52.12	+19 45.3	1.622	2.556	9.6	19.3
11 7	3 42.77	+19 53.7	1.576	2.550	5.1	19.0
11 17	3 32.02	+19 56.8	1.556	2.545	0.4	18.7
11 27	3 21.16	+19 56.4	1.566	2.539	4.6	19.0
12 7	3 11.51	+19 55.7	1.603	2.534	9.2	19.3
12 17	3 4.12	+19 58.0	1.665	2.528	13.3	19.5
12 27	2 59.65	+20 6.7	1.749	2.522	16.6	19.7

408590 2013 LP_{26} 11 17.4 117.°10 2.°4/15.6 18

10 18	3 53.19	+12 20.7	2.547	3.413	9.6	22.2
10 28	3 47.12	+11 37.5	2.496	3.428	6.7	22.1
11 7	3 39.81	+10 54.1	2.472	3.444	3.8	21.9
11 17	3 31.90	+10 13.7	2.478	3.458	2.5	21.8
11 27	3 24.13	+ 9 39.4	2.515	3.473	4.6	22.0
12 7	3 17.20	+ 9 13.9	2.580	3.487	7.4	22.2
12 17	3 11.68	+ 8 58.8	2.673	3.501	10.0	22.4
12 27	3 7.95	+ 8 54.8	2.788	3.514	12.2	22.6

462692 2009 VG_{31} 11 17.4 287.°59 4.°2/17.6 17

10 18	4 13.39	+20 37.5	1.088	1.956	19.3	20.7
10 28	4 3.94	+22 50.5	1.017	1.948	14.2	20.4
11 7	3 49.84	+25 5.0	0.969	1.939	8.4	20.1
11 17	3 32.34	+27 9.9	0.946	1.930	4.2	19.8
11 27	3 13.85	+28 54.7	0.952	1.922	7.8	20.0
12 7	2 57.19	+30 16.2	0.984	1.913	13.7	20.3
12 17	2 44.61	+31 18.4	1.038	1.905	19.1	20.6
12 27	2 37.32	+32 10.3	1.111	1.897	23.5	20.8

20864 2000 VF_{36} 11 17.4 276.°35 7.°2/14.2 18

10 18	3 56.87	+ 1 0.0	1.725	2.590	13.4	17.7
10 28	3 50.36	+ 0 23.5	1.659	2.579	10.4	17.5
11 7	3 41.78	− 0 2.2	1.617	2.568	7.9	17.4
11 17	3 31.99	− 0 11.9	1.602	2.556	7.3	17.3
11 27	3 22.15	− 0 1.5	1.613	2.545	9.2	17.4
12 7	3 13.40	+ 0 29.9	1.651	2.533	12.3	17.5
12 17	3 6.65	+ 1 21.1	1.711	2.522	15.4	17.7
12 27	3 2.52	+ 2 29.3	1.791	2.510	18.2	17.9

45982 2001 BE_{51} 11 17.4 180.°04 3.°4/15.0 18

10 18	3 54.95	+11 51.2	2.061	2.932	11.3	19.5
10 28	3 48.66	+10 42.8	1.999	2.933	8.0	19.3
11 7	3 40.74	+ 9 33.4	1.963	2.934	4.8	19.1
11 17	3 31.96	+ 8 27.8	1.956	2.934	3.5	19.0
11 27	3 23.27	+ 7 31.3	1.979	2.934	6.0	19.2
12 7	3 15.59	+ 6 48.0	2.030	2.933	9.3	19.4
12 17	3 9.62	+ 6 20.4	2.107	2.932	12.4	19.6
12 27	3 5.85	+ 6 9.2	2.205	2.930	15.0	19.8

231742 1999 RC_{156} 11 17.4 67.°14 2.°9/18.9 18

10 18	4 1.74	+27 57.4	1.540	2.393	15.4	19.9
10 28	3 53.64	+27 45.7	1.506	2.428	11.2	19.7
11 7	3 43.32	+27 18.1	1.496	2.462	6.6	19.5
11 17	3 32.06	+26 36.0	1.512	2.495	3.0	19.4
11 27	3 21.35	+25 44.1	1.557	2.529	4.8	19.6
12 7	3 12.47	+24 49.4	1.629	2.562	8.8	19.9
12 17	3 6.22	+23 58.5	1.726	2.595	12.5	20.2
12 27	3 3.00	+23 16.9	1.845	2.627	15.6	20.5

154464 2003 DU_{12} 11 17.4 232.°84 1.°1/16.9 18

10 18	3 57.62	+17 49.0	1.764	2.634	12.9	21.4
10 28	3 50.95	+17 22.3	1.690	2.626	9.1	21.1
11 7	3 42.12	+16 49.7	1.642	2.617	4.8	20.9
11 17	3 32.03	+16 13.8	1.621	2.609	1.1	20.6
11 27	3 21.89	+15 38.7	1.629	2.600	4.9	20.8
12 7	3 12.90	+15 9.1	1.665	2.590	9.3	21.1
12 17	3 6.01	+14 48.8	1.726	2.580	13.3	21.3
12 27	3 1.84	+14 40.6	1.808	2.570	16.6	21.5

116080 2003 WG_{124} 11 17.4 335.°96 0.°1/17.4 17

10 18	3 56.23	+17 34.7	2.036	2.902	11.6	19.3
10 28	3 49.81	+17 58.3	1.962	2.896	8.2	19.0
11 7	3 41.48	+18 19.4	1.914	2.890	4.3	18.8
11 17	3 32.00	+18 38.2	1.895	2.884	0.2	18.4
11 27	3 22.43	+18 55.5	1.906	2.878	4.0	18.8
12 7	3 13.79	+19 13.2	1.945	2.873	8.0	19.0
12 17	3 6.96	+19 33.0	2.010	2.869	11.5	19.2
12 27	3 2.53	+19 57.1	2.098	2.864	14.4	19.4

199283 2006 BW_{46} 11 17.4 131.°34 1.°6/18.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.58	+25 4.2	1.897	2.750	12.9	20.4
10 28	3 51.41	+24 51.1	1.836	2.761	9.3	20.2
11 7	3 42.24	+24 26.7	1.801	2.770	5.3	20.0
11 17	3 32.04	+23 52.1	1.793	2.780	1.8	19.8
11 27	3 21.98	+23 10.7	1.816	2.789	4.1	20.0
12 7	3 13.20	+22 27.4	1.866	2.797	8.1	20.3
12 17	3 6.53	+21 47.4	1.943	2.806	11.7	20.5
12 27	3 2.49	+21 15.2	2.043	2.813	14.6	20.7

99281 2001 QR_{99} 11 17.4 286.°77 20.°2/ 3.9 17

10 18	3 57.07	−18 2.2	1.082	1.919	21.6	18.9
10 28	3 51.25	−21 0.4	1.055	1.912	20.4	18.8
11 7	3 42.47	−23 19.0	1.046	1.904	20.2	18.8
11 17	3 32.06	−24 43.0	1.055	1.897	21.1	18.8
11 27	3 21.78	−25 4.4	1.080	1.890	22.7	18.9
12 7	3 13.31	−24 25.8	1.119	1.883	24.7	19.1
12 17	3 7.79	−22 55.8	1.170	1.876	26.8	19.2
12 27	3 5.85	−20 46.3	1.230	1.869	28.6	19.4

226667 2004 GK_{36} 11 17.4 140.°60 0.°5/17.7 18

10 18	3 58.87	+23 5.8	1.868	2.726	12.9	20.4
10 28	3 51.55	+22 23.8	1.809	2.737	9.1	20.2
11 7	3 42.29	+21 31.0	1.775	2.748	4.9	20.0
11 17	3 32.06	+20 30.3	1.770	2.758	0.6	19.7
11 27	3 22.05	+19 26.6	1.794	2.768	4.2	20.0
12 7	3 13.35	+18 25.9	1.848	2.776	8.3	20.2
12 17	3 6.77	+17 33.4	1.928	2.785	12.0	20.5
12 27	3 2.79	+16 53.1	2.031	2.792	15.0	20.7

461163 2015 TY_{142} 11 17.4 4.°18 5.°1/15.2 18

10 18	3 53.78	+ 7 11.7	1.569	2.451	13.5	20.1
10 28	3 48.26	+ 6 42.3	1.514	2.451	9.9	19.9
11 7	3 40.69	+ 6 18.9	1.484	2.451	6.4	19.7
11 17	3 32.00	+ 6 5.7	1.479	2.453	5.2	19.6
11 27	3 23.38	+ 6 6.7	1.501	2.455	7.5	19.8
12 7	3 15.97	+ 6 23.6	1.548	2.457	11.2	20.0
12 17	3 10.65	+ 6 56.4	1.619	2.461	14.6	20.2
12 27	3 7.96	+ 7 43.5	1.709	2.465	17.6	20.4

225671 2001 OY_{19} 11 17.4 32.°82 5.°7/15.9 18

10 18	3 58.54	+ 7 11.1	1.066	1.960	17.5	18.9
10 28	3 51.99	+ 7 2.9	1.033	1.976	12.7	18.7
11 7	3 42.71	+ 7 4.1	1.021	1.993	7.9	18.5
11 17	3 32.08	+ 7 18.7	1.033	2.011	5.7	18.4
11 27	3 21.86	+ 7 49.2	1.069	2.030	8.6	18.7
12 7	3 13.60	+ 8 35.4	1.128	2.051	13.1	19.0
12 17	3 8.31	+ 9 35.4	1.209	2.072	17.2	19.3
12 27	3 6.45	+10 46.3	1.308	2.093	20.6	19.6

386074 2007 HN_{63} 11 17.4 230.°93 0.°7/17.1 18

10 18	3 58.31	+18 7.8	1.829	2.696	12.7	21.5
10 28	3 51.42	+17 52.0	1.753	2.687	9.0	21.3
11 7	3 42.39	+17 30.6	1.702	2.677	4.7	21.0
11 17	3 32.08	+17 5.7	1.679	2.667	0.7	20.7
11 27	3 21.68	+16 40.5	1.685	2.657	4.7	21.0
12 7	3 12.40	+16 19.0	1.720	2.646	9.0	21.2
12 17	3 5.16	+16 5.0	1.780	2.635	12.9	21.4
12 27	3 0.62	+16 1.1	1.862	2.623	16.2	21.6

356187 2009 JE_{12} 11 17.4 229.°87 3.°0/15.3 18

10 18	3 54.23	+12 39.5	2.250	3.119	10.6	21.4
10 28	3 48.17	+11 36.3	2.175	3.109	7.5	21.2
11 7	3 40.53	+10 30.8	2.126	3.098	4.4	21.0
11 17	3 32.00	+ 9 27.4	2.107	3.087	3.0	20.9
11 27	3 23.47	+ 8 30.9	2.118	3.075	5.4	21.0
12 7	3 15.79	+ 7 45.4	2.158	3.063	8.7	21.2
12 17	3 9.68	+ 7 13.8	2.224	3.050	11.8	21.4
12 27	3 5.63	+ 6 57.3	2.312	3.037	14.4	21.5

364453 2006 YB_{22} 11 17.4 212.°39 0.°5/17.7 18

10 18	3 55.56	+21 21.5	2.027	2.889	11.8	21.4
10 28	3 49.29	+21 11.9	1.958	2.889	8.4	21.1
11 7	3 41.18	+20 55.0	1.914	2.888	4.5	20.9
11 17	3 32.04	+20 32.1	1.899	2.887	0.6	20.6
11 27	3 22.92	+20 6.0	1.913	2.887	3.9	20.9
12 7	3 14.83	+19 40.4	1.956	2.886	7.8	21.1
12 17	3 8.58	+19 19.1	2.024	2.885	11.3	21.3
12 27	3 4.72	+19 5.3	2.116	2.884	14.3	21.5

75421 1999 XQ_{118} 11 17.4 259.°82 1.°4/18.2 18

10 18	3 56.75	+24 29.6	1.931	2.788	12.6	19.5
10 28	3 50.35	+24 11.1	1.847	2.774	9.1	19.3
11 7	3 41.85	+23 41.2	1.788	2.759	5.1	19.0
11 17	3 32.07	+23 1.1	1.756	2.743	1.5	18.7
11 27	3 22.19	+22 13.8	1.754	2.728	4.2	18.9
12 7	3 13.35	+21 24.6	1.780	2.712	8.4	19.1
12 17	3 6.51	+20 39.0	1.832	2.695	12.2	19.3
12 27	3 2.29	+20 1.9	1.907	2.679	15.5	19.5

157476 2005 QE_{37} 11 17.4 8.°05 3.°0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 53.11	+25 32.3	0.950	1.846	19.0	18.9
10 28	3 48.93	+25 38.5	0.903	1.847	13.9	18.6
11 7	3 41.43	+25 26.8	0.875	1.850	8.1	18.3
11 17	3 32.05	+24 57.6	0.868	1.855	3.2	18.1
11 27	3 22.80	+24 16.2	0.884	1.861	6.2	18.3
12 7	3 15.60	+23 31.2	0.923	1.870	11.8	18.6
12 17	3 11.70	+22 51.5	0.982	1.881	16.9	18.9
12 27	3 11.72	+22 23.6	1.058	1.893	21.1	19.2

251389 2007 VR_{193} 11 17.4 148.°95 2.°3/16.2 18

10 18	3 55.78	+13 19.4	2.047	2.917	11.4	20.9
10 28	3 49.31	+12 56.4	1.986	2.921	8.0	20.7
11 7	3 41.14	+12 32.7	1.951	2.924	4.4	20.5
11 17	3 32.04	+12 10.9	1.944	2.928	2.3	20.3
11 27	3 23.02	+11 54.3	1.967	2.931	5.0	20.5
12 7	3 15.02	+11 45.5	2.018	2.934	8.5	20.7
12 17	3 8.78	+11 46.4	2.095	2.937	11.8	21.0
12 27	3 4.79	+11 58.0	2.194	2.940	14.5	21.2

39513 1986 QE_{1} 11 17.4 58.°88 0.°9/17.1 18

10 18	4 0.56	+18 0.0	1.169	2.054	17.0	17.6
10 28	3 53.39	+17 48.5	1.130	2.072	11.9	17.4
11 7	3 43.45	+17 30.7	1.112	2.089	6.1	17.1
11 17	3 32.14	+17 9.4	1.119	2.107	0.9	16.8
11 27	3 21.21	+16 49.1	1.152	2.125	5.9	17.2
12 7	3 12.25	+16 35.1	1.210	2.144	11.2	17.6
12 17	3 6.28	+16 31.0	1.290	2.162	15.7	17.9
12 27	3 3.80	+16 39.2	1.390	2.181	19.3	18.2

382617 2002 OK_{20} 11 17.4 101.°44 6.°5/13.8 18

10 18	3 55.97	+ 2 31.0	1.900	2.765	12.4	21.0
10 28	3 49.32	+ 1 27.6	1.863	2.783	9.4	20.9
11 7	3 41.07	+ 0 33.4	1.850	2.801	7.0	20.8
11 17	3 32.06	− 0 6.6	1.865	2.818	6.6	20.8
11 27	3 23.30	− 0 28.3	1.908	2.835	8.3	20.9
12 7	3 15.70	− 0 30.1	1.978	2.852	11.0	21.1
12 17	3 9.93	− 0 12.9	2.071	2.868	13.6	21.4
12 27	3 6.43	+ 0 21.2	2.183	2.884	15.8	21.6

140479 2001 TQ_{138} 11 17.4 74.°09 3.°9/15.4 18

10 18	3 55.36	+ 9 35.7	1.810	2.685	12.4	19.9
10 28	3 49.07	+ 8 57.6	1.761	2.696	8.8	19.7
11 7	3 41.01	+ 8 22.3	1.738	2.708	5.4	19.5
11 17	3 32.06	+ 7 53.8	1.742	2.719	4.0	19.4
11 27	3 23.27	+ 7 36.0	1.775	2.730	6.4	19.6
12 7	3 15.66	+ 7 31.2	1.834	2.742	9.8	19.8
12 17	3 9.96	+ 7 40.5	1.918	2.753	13.0	20.1
12 27	3 6.65	+ 8 3.5	2.023	2.764	15.7	20.3

59399 1999 FK_{30} 11 17.4 37.°70 1.°8/18.2 18

10 18	3 58.69	+23 18.8	1.386	2.258	15.6	17.7
10 28	3 52.09	+23 28.8	1.331	2.265	11.2	17.5
11 7	3 42.85	+23 27.6	1.300	2.273	6.3	17.2
11 17	3 32.14	+23 15.5	1.293	2.280	1.9	17.0
11 27	3 21.55	+22 55.4	1.314	2.288	5.1	17.2
12 7	3 12.58	+22 32.6	1.360	2.297	9.9	17.5
12 17	3 6.30	+22 12.6	1.430	2.306	14.2	17.8
12 27	3 3.32	+22 0.3	1.521	2.315	17.8	18.1

325544 2009 SN_{70} 11 17.4 151.°41 3.°4/15.1 18

10 18	3 52.62	+10 9.1	2.302	3.173	10.3	21.0
10 28	3 46.95	+ 9 20.7	2.242	3.175	7.3	20.8
11 7	3 39.86	+ 8 33.4	2.208	3.177	4.5	20.6
11 17	3 32.01	+ 7 51.0	2.203	3.179	3.4	20.6
11 27	3 24.24	+ 7 17.1	2.228	3.181	5.5	20.7
12 7	3 17.32	+ 6 54.7	2.281	3.183	8.4	20.9
12 17	3 11.90	+ 6 45.2	2.359	3.184	11.2	21.1
12 27	3 8.40	+ 6 49.0	2.459	3.186	13.6	21.3

115911 2003 WB_{4} 11 17.4 180.°75 0.°9/17.1 18

10 18	4 1.08	+17 3.9	1.598	2.468	14.1	19.9
10 28	3 53.52	+17 2.8	1.533	2.469	9.9	19.6
11 7	3 43.55	+16 57.7	1.493	2.469	5.2	19.4
11 17	3 32.19	+16 49.8	1.481	2.469	0.9	19.1
11 27	3 20.84	+16 42.2	1.497	2.469	5.1	19.4
12 7	3 10.86	+16 38.1	1.541	2.468	9.8	19.6
12 17	3 3.28	+16 40.8	1.610	2.467	13.9	19.9
12 27	2 58.73	+16 52.8	1.699	2.465	17.3	20.1

229810 2008 SE_{164} 11 17.4 3.°37 0.°1/17.4 18 R

10 18	3 53.19	+19 43.6	1.851	2.724	12.3	20.0
10 28	3 47.76	+19 33.6	1.787	2.724	8.6	19.8
11 7	3 40.43	+19 17.5	1.748	2.724	4.5	19.6
11 17	3 32.06	+18 57.0	1.736	2.725	0.2	19.2
11 27	3 23.71	+18 35.2	1.753	2.726	4.2	19.6
12 7	3 16.43	+18 15.8	1.797	2.728	8.3	19.8
12 17	3 11.05	+18 2.2	1.866	2.731	11.9	20.1
12 27	3 8.11	+17 57.1	1.957	2.735	14.9	20.3

165420 2000 YH_{53} 11 17.4 225.°24 4.°4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.07	+ 7 1.4	2.006	2.872	11.8	20.0
10 28	3 50.32	+ 6 33.5	1.936	2.864	8.6	19.8
11 7	3 41.75	+ 6 10.1	1.892	2.856	5.6	19.6
11 17	3 32.12	+ 5 54.6	1.876	2.848	4.5	19.5
11 27	3 22.46	+ 5 50.4	1.889	2.839	6.6	19.6
12 7	3 13.76	+ 5 59.6	1.930	2.829	9.9	19.8
12 17	3 6.85	+ 6 22.5	1.996	2.819	13.1	20.0
12 27	3 2.27	+ 6 58.7	2.084	2.809	15.8	20.2

339025 2004 HF_{27} 11 17.4 183.°06 1.°1/18.0 18

10 18	3 59.56	+23 16.1	1.892	2.748	12.8	21.8
10 28	3 52.22	+23 3.3	1.822	2.748	9.2	21.6
11 7	3 42.78	+22 40.5	1.777	2.749	5.1	21.4
11 17	3 32.16	+22 8.8	1.761	2.748	1.2	21.1
11 27	3 21.58	+21 31.4	1.774	2.747	4.2	21.3
12 7	3 12.22	+20 53.1	1.816	2.746	8.4	21.6
12 17	3 4.96	+20 18.7	1.884	2.743	12.1	21.8
12 27	3 0.40	+19 52.7	1.975	2.740	15.2	22.0

156664 2002 JQ_{98} 11 17.4 235.°88 0.°1/17.4 18

10 18	3 54.28	+20 3.2	2.516	3.374	10.0	21.3
10 28	3 48.18	+19 43.7	2.433	3.363	7.0	21.1
11 7	3 40.56	+19 18.5	2.377	3.351	3.7	20.9
11 17	3 32.07	+18 49.0	2.350	3.339	0.2	20.5
11 27	3 23.52	+18 18.0	2.355	3.327	3.5	20.8
12 7	3 15.75	+17 48.5	2.389	3.314	6.9	21.0
12 17	3 9.43	+17 23.8	2.450	3.301	10.0	21.2
12 27	3 5.07	+17 6.4	2.535	3.288	12.6	21.4

72338 2001 BC_{63} 11 17.5 229.°11 8.°1/21.9 18

10 18	4 2.02	+40 50.2	1.871	2.666	15.5	18.5
10 28	3 54.53	+41 34.5	1.798	2.663	12.8	18.4
11 7	3 44.23	+41 56.4	1.746	2.661	10.2	18.2
11 17	3 32.23	+41 51.5	1.719	2.658	8.3	18.1
11 27	3 20.11	+41 19.5	1.718	2.655	8.3	18.1
12 7	3 9.47	+40 25.0	1.744	2.652	10.2	18.2
12 17	3 1.53	+39 16.6	1.795	2.649	12.9	18.3
12 27	2 56.99	+38 3.9	1.867	2.645	15.5	18.5

44783 1999 TA_{164} 11 17.5 178.°41 5.°0/15.1 18

10 18	3 58.13	+ 8 29.8	1.594	2.470	13.8	18.7
10 28	3 51.30	+ 7 39.3	1.537	2.471	10.0	18.4
11 7	3 42.31	+ 6 52.2	1.504	2.472	6.4	18.2
11 17	3 32.15	+ 6 13.8	1.498	2.472	5.1	18.2
11 27	3 22.08	+ 5 49.2	1.520	2.472	7.6	18.3
12 7	3 13.32	+ 5 41.7	1.568	2.472	11.4	18.5
12 17	3 6.76	+ 5 52.2	1.639	2.471	15.0	18.8
12 27	3 2.99	+ 6 19.8	1.730	2.470	18.0	19.0

50927 2000 GZ_{65} 11 17.5 139.°02 3.°1/15.3 18

10 18	3 54.07	+13 51.6	1.885	2.761	12.0	18.4
10 28	3 48.21	+12 37.0	1.825	2.762	8.4	18.2
11 7	3 40.61	+11 19.4	1.790	2.764	4.8	18.0
11 17	3 32.08	+10 4.1	1.784	2.765	3.2	17.9
11 27	3 23.67	+ 8 57.2	1.806	2.766	5.9	18.1
12 7	3 16.35	+ 8 3.8	1.857	2.767	9.6	18.3
12 17	3 10.85	+ 7 27.1	1.932	2.768	12.9	18.5
12 27	3 7.68	+ 7 8.1	2.028	2.769	15.7	18.7

234684 2002 GD_{89} 11 17.5 182.°43 3.°7/15.4 18

10 18	3 57.42	+ 7 57.4	2.290	3.151	10.7	21.6
10 28	3 50.33	+ 7 32.8	2.226	3.153	7.7	21.4
11 7	3 41.66	+ 7 11.5	2.187	3.153	4.9	21.2
11 17	3 32.14	+ 6 56.4	2.179	3.153	3.8	21.1
11 27	3 22.66	+ 6 50.3	2.200	3.151	5.7	21.3
12 7	3 14.08	+ 6 54.9	2.251	3.150	8.7	21.4
12 17	3 7.12	+ 7 11.0	2.328	3.147	11.6	21.6
12 27	3 2.24	+ 7 38.3	2.428	3.144	14.0	21.8

305042 2007 TV_{451} 11 17.5 240.°78 2.°4/16.1 18

10 18	3 55.51	+13 56.7	1.962	2.834	11.8	21.1
10 28	3 49.30	+13 21.4	1.890	2.826	8.3	20.9
11 7	3 41.24	+12 43.9	1.843	2.818	4.6	20.7
11 17	3 32.12	+12 7.6	1.825	2.809	2.4	20.5
11 27	3 22.97	+11 36.5	1.836	2.800	5.3	20.7
12 7	3 14.82	+11 14.4	1.875	2.792	9.1	20.9
12 17	3 8.47	+11 3.7	1.939	2.782	12.5	21.1
12 27	3 4.50	+11 5.8	2.025	2.773	15.5	21.3

477398 2009 VZ_{54} 11 17.5 329.°81 1.°5/17.9 18

10 18	3 57.40	+22 7.0	1.268	2.149	16.2	21.0
10 28	3 51.64	+22 22.8	1.198	2.137	11.7	20.7
11 7	3 42.87	+22 28.8	1.150	2.125	6.5	20.3
11 17	3 32.20	+22 24.9	1.127	2.115	1.6	20.0
11 27	3 21.29	+22 13.1	1.129	2.105	5.5	20.2
12 7	3 11.90	+21 58.6	1.156	2.096	11.0	20.5
12 17	3 5.35	+21 47.0	1.206	2.087	15.9	20.8
12 27	3 2.45	+21 43.4	1.274	2.080	20.0	21.0

406788 2008 RT_{138} 11 17.5 35°.06 2°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.85	+25 23.4	1.956	2.810	12.6	20.0
10 28	3 50.30	+25 52.3	1.897	2.820	9.1	19.9
11 7	3 41.77	+26 11.6	1.864	2.830	5.5	19.7
11 17	3 32.15	+26 20.6	1.857	2.841	2.6	19.5
11 27	3 22.57	+26 20.3	1.880	2.852	4.3	19.6
12 7	3 14.14	+26 13.7	1.932	2.863	7.8	19.9
12 17	3 7.71	+26 4.9	2.009	2.875	11.1	20.1
12 27	3 3.84	+25 58.0	2.109	2.887	14.0	20.3

144565 2004 FH_{13} 11 17.5 183°.82 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.16	+20 48.4	2.357	3.215	10.6	20.4
10 28	3 48.79	+20 12.9	2.286	3.216	7.4	20.2
11 7	3 40.86	+19 30.4	2.241	3.216	3.9	19.9
11 17	3 32.11	+18 43.0	2.226	3.215	0.2	19.6
11 27	3 23.42	+17 54.3	2.242	3.214	3.6	19.9
12 7	3 15.64	+17 8.5	2.287	3.212	7.2	20.2
12 17	3 9.46	+16 29.2	2.360	3.210	10.3	20.4
12 27	3 5.35	+15 59.3	2.456	3.208	13.0	20.5

24038 1999 SL_{8} 11 17.5 15°.79 2°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.51	+18 39.0	0.829	1.731	20.3	16.7
10 28	3 54.48	+20 20.2	0.790	1.739	14.5	16.4
11 7	3 44.53	+21 57.7	0.771	1.748	8.0	16.1
11 17	3 32.28	+23 24.8	0.773	1.760	2.5	15.8
11 27	3 20.14	+24 37.2	0.798	1.774	6.9	16.2
12 7	3 10.43	+25 35.4	0.845	1.790	12.9	16.6
12 17	3 4.68	+26 23.7	0.912	1.808	18.2	16.9
12 27	3 3.55	+27 7.5	0.995	1.828	22.4	17.3

124555 2001 RV_{136} 11 17.5 141°.72 1°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.80	+17 8.0	1.547	2.416	14.5	20.5
10 28	3 54.62	+16 51.8	1.493	2.427	10.2	20.2
11 7	3 44.06	+16 30.7	1.463	2.439	5.3	20.0
11 17	3 32.26	+16 7.0	1.461	2.449	1.2	19.7
11 27	3 20.65	+15 44.6	1.488	2.459	5.3	20.1
12 7	3 10.61	+15 27.8	1.542	2.467	10.0	20.3
12 17	3 3.09	+15 20.1	1.621	2.475	14.0	20.6
12 27	2 58.65	+15 23.7	1.721	2.482	17.3	20.9

115330 2003 SB_{224} 11 17.5 52°.75 5°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.57	+29 39.7	1.160	2.021	18.8	19.0
10 28	3 56.72	+30 40.6	1.118	2.039	14.2	18.8
11 7	3 45.45	+31 21.9	1.096	2.056	9.4	18.6
11 17	3 32.32	+31 38.9	1.098	2.074	6.0	18.5
11 27	3 19.45	+31 32.5	1.126	2.093	7.3	18.6
12 7	3 8.83	+31 9.4	1.178	2.112	11.4	18.9
12 17	3 1.76	+30 39.0	1.252	2.131	15.6	19.2
12 27	2 58.80	+30 10.2	1.346	2.150	19.2	19.5

91772 1999 TD_{203} 11 17.5 325°.32 0°.9/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.67	+22 45.7	1.759	2.629	13.0	19.5
10 28	3 48.34	+22 29.5	1.681	2.614	9.3	19.2
11 7	3 40.87	+22 3.3	1.626	2.600	5.1	19.0
11 17	3 32.13	+21 28.6	1.599	2.587	1.0	18.6
11 27	3 23.28	+20 48.9	1.599	2.574	4.3	18.9
12 7	3 15.51	+20 9.2	1.627	2.562	8.7	19.1
12 17	3 9.76	+19 34.5	1.680	2.550	12.7	19.3
12 27	3 6.69	+19 9.3	1.754	2.539	16.1	19.5

439591 2014 DA_{123} 11 17.5 132°.01 4°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.14	+ 8 55.8	1.800	2.674	12.5	21.0
10 28	3 49.69	+ 8 5.6	1.747	2.680	9.0	20.8
11 7	3 41.40	+ 7 18.3	1.718	2.686	5.7	20.6
11 17	3 32.15	+ 6 38.4	1.717	2.692	4.5	20.5
11 27	3 23.04	+ 6 10.7	1.745	2.697	6.9	20.7
12 7	3 15.08	+ 5 58.1	1.799	2.702	10.3	20.9
12 17	3 9.07	+ 6 1.6	1.878	2.707	13.5	21.1
12 27	3 5.50	+ 6 20.8	1.977	2.711	16.2	21.3

271320 2003 WE_{12} 11 17.5 45°.02 2°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.60	+25 34.6	2.053	2.900	12.3	19.3
10 28	3 52.23	+26 24.9	1.992	2.910	9.1	19.1
11 7	3 42.82	+27 6.4	1.956	2.920	5.5	18.9
11 17	3 32.22	+27 37.1	1.949	2.930	2.9	18.8
11 27	3 21.60	+27 57.0	1.971	2.940	4.4	18.9
12 7	3 12.08	+28 8.0	2.023	2.951	7.8	19.1
12 17	3 4.58	+28 13.9	2.101	2.962	11.0	19.4
12 27	2 59.67	+28 18.7	2.203	2.973	13.7	19.6

510213 2011 DM_{19} 11 17.5 202°.16 1°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.57	+23 12.5	1.758	2.617	13.5	22.4
10 28	3 52.41	+23 2.3	1.686	2.614	9.7	22.2
11 7	3 42.98	+22 41.7	1.639	2.611	5.3	21.9
11 17	3 32.23	+22 11.7	1.619	2.607	1.2	21.6
11 27	3 21.47	+21 35.4	1.629	2.603	4.4	21.8
12 7	3 11.96	+20 57.9	1.667	2.598	8.9	22.1
12 17	3 4.71	+20 24.6	1.730	2.593	12.8	22.3
12 27	3 0.32	+19 59.9	1.815	2.587	16.2	22.5

222412 2001 FB_{133} 11 17.5 258°.62 2°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.48	+26 47.1	2.422	3.266	10.8	20.7
10 28	3 49.21	+26 51.5	2.336	3.252	8.0	20.5
11 7	3 41.20	+26 46.2	2.275	3.239	4.8	20.2
11 17	3 32.16	+26 30.9	2.242	3.225	2.3	20.1
11 27	3 22.99	+26 7.4	2.240	3.211	3.7	20.1
12 7	3 14.66	+25 38.7	2.267	3.197	6.9	20.3
12 17	3 7.93	+25 8.8	2.321	3.182	10.1	20.5
12 27	3 3.38	+24 42.0	2.400	3.168	12.8	20.7

422106 2014 QQ_{408} 11 17.5 83°.39 1°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.86	+27 17.9	2.200	3.047	11.6	20.2
10 28	3 48.58	+26 28.4	2.141	3.061	8.4	20.1
11 7	3 40.73	+25 26.4	2.107	3.075	4.8	19.9
11 17	3 32.13	+24 14.4	2.103	3.089	1.7	19.7
11 27	3 23.75	+22 57.1	2.129	3.103	3.6	19.8
12 7	3 16.49	+21 40.2	2.185	3.116	7.0	20.1
12 17	3 11.01	+20 29.1	2.268	3.130	10.2	20.3
12 27	3 7.71	+19 28.3	2.375	3.143	12.9	20.5

149549 2003 KP_{1} 11 17.5 121°.59 5°.1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.71	+ 4 23.2	2.241	3.106	10.8	20.4
10 28	3 47.71	+ 3 36.9	2.190	3.114	8.0	20.2
11 7	3 40.28	+ 2 56.7	2.165	3.122	5.7	20.1
11 17	3 32.12	+ 2 26.4	2.169	3.129	5.2	20.1
11 27	3 24.07	+ 2 9.6	2.201	3.136	6.8	20.2
12 7	3 16.93	+ 2 7.8	2.260	3.144	9.4	20.4
12 17	3 11.33	+ 2 21.2	2.345	3.150	11.9	20.6
12 27	3 7.69	+ 2 48.7	2.450	3.157	14.1	20.7

191921 2005 SQ_{33} 11 17.5 259°.99 3°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.28	+11 49.3	1.699	2.574	13.1	20.4
10 28	3 50.86	+11 4.4	1.621	2.558	9.4	20.1
11 7	3 42.21	+10 18.4	1.568	2.541	5.5	19.8
11 17	3 32.21	+ 9 35.7	1.543	2.524	3.7	19.7
11 27	3 22.07	+ 9 1.7	1.546	2.506	6.6	19.8
12 7	3 13.01	+ 8 40.6	1.575	2.488	10.8	20.0
12 17	3 6.03	+ 8 35.3	1.629	2.469	14.7	20.2
12 27	3 1.79	+ 8 46.5	1.703	2.451	18.0	20.4

262810 2007 AR_{5} 11 17.5 97°.56 2°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.02	+27 24.1	2.030	2.879	12.4	20.7
10 28	3 49.66	+27 13.1	1.964	2.883	9.1	20.5
11 7	3 41.42	+26 49.7	1.923	2.888	5.5	20.3
11 17	3 32.17	+26 14.6	1.909	2.893	2.5	20.1
11 27	3 23.00	+25 30.8	1.925	2.897	4.1	20.2
12 7	3 14.97	+24 43.1	1.969	2.902	7.6	20.4
12 17	3 8.87	+23 56.8	2.040	2.906	11.0	20.7
12 27	3 5.24	+23 16.6	2.134	2.911	13.9	20.9

392335 2010 EB_{109} 11 17.5 147°.12 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.96	+18 40.9	2.125	2.985	11.4	21.7
10 28	3 50.83	+18 29.6	2.064	2.994	8.0	21.5
11 7	3 41.98	+18 13.4	2.028	3.003	4.2	21.3
11 17	3 32.20	+17 53.9	2.022	3.011	0.4	21.0
11 27	3 22.52	+17 33.6	2.046	3.018	4.0	21.3
12 7	3 13.90	+17 15.8	2.100	3.025	7.7	21.6
12 17	3 7.10	+17 3.5	2.180	3.031	11.0	21.8
12 27	3 2.61	+16 59.1	2.284	3.037	13.8	22.0

396526 2014 GO_{28} 11 17.5 211°.19 2°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.74	+25 41.5	2.017	2.863	12.6	21.0
10 28	3 53.17	+26 12.5	1.940	2.858	9.2	20.7
11 7	3 43.39	+26 33.9	1.889	2.854	5.6	20.5
11 17	3 32.27	+26 44.4	1.866	2.849	2.7	20.3
11 27	3 21.00	+26 44.5	1.873	2.843	4.4	20.4
12 7	3 10.81	+26 37.1	1.909	2.838	8.1	20.6
12 17	3 2.68	+26 26.4	1.972	2.831	11.6	20.8
12 27	2 57.27	+26 17.1	2.057	2.825	14.6	21.0

403025 2007 XH_{20} 11 17.5 290°.27 5°.0/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.03	+37 51.9	1.833	2.646	15.0	20.5
10 28	3 52.03	+36 53.5	1.752	2.641	11.8	20.2
11 7	3 42.72	+35 28.4	1.693	2.636	8.3	20.0
11 17	3 32.23	+33 37.0	1.662	2.631	5.5	19.8
11 27	3 21.99	+31 25.1	1.660	2.625	5.6	19.9
12 7	3 13.29	+29 3.0	1.688	2.620	8.7	20.0
12 17	3 7.05	+26 42.1	1.744	2.615	12.3	20.2
12 27	3 3.76	+24 32.8	1.824	2.610	15.6	20.4

98169 2000 SB_{87} 11 17.5 320°.27 1°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.13	+15 5.0	1.238	2.122	16.2	19.0
10 28	3 53.46	+15 13.0	1.174	2.116	11.5	18.7
11 7	3 43.80	+15 19.6	1.132	2.109	6.1	18.4
11 17	3 32.30	+15 26.6	1.116	2.103	1.7	18.1
11 27	3 20.65	+15 36.4	1.125	2.098	6.2	18.3
12 7	3 10.59	+15 52.2	1.160	2.092	11.7	18.6
12 17	3 3.42	+16 16.5	1.217	2.087	16.6	18.9
12 27	2 59.88	+16 50.9	1.293	2.083	20.5	19.2

47258 1999 VS_{80} 11 17.5 97°.53 3°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.61	+14 4.4	1.432	2.314	14.6	19.0
10 28	3 51.05	+12 58.9	1.382	2.322	10.3	18.8
11 7	3 42.22	+11 50.6	1.355	2.330	5.7	18.6
11 17	3 32.22	+10 45.4	1.355	2.338	3.5	18.4
11 27	3 22.44	+ 9 50.4	1.383	2.346	6.8	18.7
12 7	3 14.17	+ 9 11.0	1.436	2.354	11.2	18.9
12 17	3 8.32	+ 8 50.1	1.513	2.361	15.2	19.2
12 27	3 5.40	+ 8 48.3	1.609	2.369	18.4	19.5

359240 2009 EL_{28} 11 17.5 141°.74 1°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.72	+22 41.0	1.899	2.759	12.6	21.1
10 28	3 50.97	+22 48.4	1.832	2.761	9.0	20.9
11 7	3 42.18	+22 47.6	1.790	2.762	5.0	20.7
11 17	3 32.22	+22 39.0	1.776	2.764	1.3	20.4
11 27	3 22.26	+22 24.4	1.791	2.765	4.1	20.6
12 7	3 13.45	+22 7.6	1.834	2.766	8.2	20.9
12 17	3 6.66	+21 52.6	1.904	2.767	11.8	21.1
12 27	3 2.49	+21 43.1	1.995	2.768	14.9	21.3

140142 2001 SH_{155} 11 17.5 33°.45 0°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.02	+20 16.3	1.562	2.438	13.9	18.8
10 28	3 49.19	+19 49.2	1.510	2.448	9.8	18.6
11 7	3 41.24	+19 14.1	1.482	2.458	5.1	18.3
11 17	3 32.18	+18 33.8	1.481	2.469	0.3	18.0
11 27	3 23.31	+17 53.1	1.507	2.481	4.7	18.4
12 7	3 15.81	+17 17.2	1.560	2.493	9.2	18.7
12 17	3 10.55	+16 50.4	1.637	2.505	13.1	18.9
12 27	3 8.04	+16 35.6	1.736	2.518	16.4	19.2

142738 2002 TD_{290} 11 17.5 305°.32 3°.0/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.87	+26 14.7	1.726	2.582	13.8	18.9
10 28	3 51.55	+26 41.8	1.643	2.566	10.3	18.7
11 7	3 42.71	+26 58.0	1.583	2.549	6.3	18.4
11 17	3 32.26	+27 1.7	1.550	2.533	3.1	18.2
11 27	3 21.52	+26 53.6	1.545	2.517	5.0	18.3
12 7	3 11.89	+26 37.3	1.568	2.501	9.1	18.5
12 17	3 4.53	+26 18.0	1.615	2.486	13.2	18.7
12 27	3 0.21	+26 1.3	1.684	2.471	16.6	18.9

208138 2000 EL_{31} 11 17.5 140°.59 2°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.43	+11 10.9	2.075	2.943	11.4	20.3
10 28	3 49.75	+10 46.6	2.017	2.950	8.0	20.1
11 7	3 41.41	+10 23.4	1.986	2.957	4.6	19.9
11 17	3 32.20	+10 4.3	1.983	2.964	3.0	19.8
11 27	3 23.08	+ 9 52.1	2.010	2.970	5.3	20.0
12 7	3 14.99	+ 9 49.3	2.065	2.976	8.7	20.2
12 17	3 8.64	+ 9 57.1	2.146	2.982	11.8	20.4
12 27	3 4.52	+10 16.0	2.249	2.987	14.4	20.6

72891 2001 KL_{31} 11 17.5 169°.75 3°.8/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.86	+ 8 13.9	2.528	3.396	9.6	19.6
10 28	3 46.35	+ 7 12.7	2.468	3.397	7.0	19.4
11 7	3 39.57	+ 6 13.6	2.435	3.399	4.6	19.3
11 17	3 32.12	+ 5 20.5	2.431	3.400	3.9	19.2
11 27	3 24.73	+ 4 37.3	2.458	3.401	5.7	19.4
12 7	3 18.12	+ 4 6.8	2.512	3.402	8.3	19.5
12 17	3 12.85	+ 3 50.3	2.593	3.403	10.8	19.7
12 27	3 9.33	+ 3 48.1	2.695	3.403	12.9	19.9

510149 2010 VC_{168} 11 17.5 18°.08 0°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.12	+19 47.0	1.001	1.896	18.3	20.8
10 28	3 52.31	+20 0.0	0.955	1.901	13.0	20.6
11 7	3 43.22	+20 4.5	0.928	1.906	6.9	20.3
11 17	3 32.28	+20 1.4	0.924	1.913	0.6	19.9
11 27	3 21.48	+19 54.2	0.945	1.921	6.1	20.3
12 7	3 12.72	+19 48.2	0.988	1.930	12.0	20.6
12 17	3 7.27	+19 48.5	1.052	1.940	17.1	21.0
12 27	3 5.76	+19 58.8	1.134	1.951	21.2	21.3

391552 2007 TA_{56} 11 17.5 77°.54 0°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.40	+22 5.3	1.697	2.562	13.6	21.3
10 28	3 51.37	+21 50.1	1.650	2.581	9.6	21.1
11 7	3 42.30	+21 25.7	1.627	2.601	5.1	20.9
11 17	3 32.24	+20 54.2	1.632	2.620	0.8	20.6
11 27	3 22.45	+20 19.3	1.666	2.640	4.3	20.9
12 7	3 14.08	+19 45.9	1.727	2.659	8.6	21.2
12 17	3 7.96	+19 18.4	1.814	2.678	12.3	21.5
12 27	3 4.55	+19 0.2	1.923	2.697	15.3	21.7

184896 2005 UO_{256} 11 17.5 83°.72 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.67	+18 51.1	1.986	2.853	11.8	20.8
10 28	3 49.36	+18 38.1	1.926	2.860	8.3	20.6
11 7	3 41.26	+18 19.9	1.891	2.867	4.3	20.4
11 17	3 32.20	+17 58.2	1.885	2.873	0.4	20.1
11 27	3 23.23	+17 36.1	1.908	2.880	4.1	20.4
12 7	3 15.34	+17 17.1	1.959	2.887	8.0	20.6
12 17	3 9.29	+17 4.1	2.036	2.893	11.4	20.9
12 27	3 5.60	+16 59.6	2.135	2.900	14.3	21.1

513589 2011 CB_{36} 11 17.5 341°.28 5°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.23	+10 36.9	1.006	1.909	17.4	20.8
10 28	3 49.66	+10 8.3	0.946	1.896	12.6	20.5
11 7	3 41.94	+ 9 42.7	0.907	1.883	7.5	20.2
11 17	3 32.24	+ 9 26.3	0.889	1.872	5.0	20.0
11 27	3 22.37	+ 9 25.1	0.895	1.862	8.8	20.2
12 7	3 14.16	+ 9 42.9	0.923	1.854	14.1	20.5
12 17	3 8.98	+10 20.5	0.970	1.847	19.2	20.7
12 27	3 7.62	+11 16.4	1.033	1.842	23.4	21.0

519777 2013 ER_{157} 11 17.5 100°.43 2°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.96	+14 32.8	2.213	3.080	10.8	21.6
10 28	3 48.57	+13 51.3	2.165	3.099	7.5	21.5
11 7	3 40.72	+13 8.1	2.143	3.117	4.1	21.3
11 17	3 32.19	+12 26.4	2.151	3.136	2.1	21.2
11 27	3 23.85	+11 49.8	2.189	3.153	4.6	21.4
12 7	3 16.52	+11 21.5	2.256	3.171	7.8	21.6
12 17	3 10.83	+11 3.8	2.349	3.188	10.8	21.9
12 27	3 7.19	+10 57.6	2.465	3.205	13.2	22.1

112993 2002 RY_{33} 11 17.5 132°.87 1°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.21	+24 6.3	1.928	2.785	12.6	20.2
10 28	3 50.54	+23 51.9	1.864	2.791	9.0	20.0
11 7	3 41.92	+23 27.2	1.826	2.797	5.0	19.8
11 17	3 32.25	+22 53.6	1.815	2.802	1.4	19.5
11 27	3 22.67	+22 14.2	1.833	2.807	4.0	19.7
12 7	3 14.28	+21 33.8	1.880	2.812	8.0	20.0
12 17	3 7.90	+20 57.2	1.953	2.817	11.6	20.2
12 27	3 4.05	+20 28.5	2.049	2.821	14.6	20.4

271583 2004 MU_{6} 11 17.5 59°.16 4°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.19	+28 37.8	1.335	2.192	17.1	19.9
10 28	3 55.14	+28 58.7	1.300	2.221	12.6	19.7
11 7	3 44.38	+29 1.5	1.287	2.251	7.8	19.6
11 17	3 32.35	+28 45.5	1.300	2.280	4.2	19.4
11 27	3 20.83	+28 14.3	1.339	2.310	5.8	19.6
12 7	3 11.35	+27 34.9	1.405	2.339	9.8	19.9
12 17	3 4.90	+26 55.0	1.494	2.369	13.8	20.2
12 27	3 1.91	+26 21.3	1.604	2.398	17.0	20.5

52816 1998 QX_{98} 11 17.5 82°.03 1°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.17	+16 47.7	1.441	2.316	15.0	19.8
10 28	3 53.42	+16 26.9	1.403	2.340	10.4	19.5
11 7	3 43.40	+16 1.7	1.388	2.364	5.4	19.3
11 17	3 32.32	+15 35.2	1.400	2.387	1.4	19.1
11 27	3 21.63	+15 11.8	1.439	2.410	5.4	19.4
12 7	3 12.65	+14 55.4	1.506	2.433	10.0	19.8
12 17	3 6.24	+14 49.3	1.597	2.455	14.0	20.1
12 27	3 2.84	+14 55.0	1.708	2.477	17.1	20.3

33819 2000 AX_{119} 11 17.5 162°.86 6°.7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.82	+ 1 59.9	1.890	2.752	12.6	19.1
10 28	3 50.79	+ 0 58.8	1.839	2.758	9.7	19.0
11 7	3 41.98	+ 0 6.4	1.814	2.763	7.3	18.8
11 17	3 32.26	− 0 31.6	1.816	2.768	6.9	18.8
11 27	3 22.67	− 0 50.9	1.846	2.772	8.7	18.9
12 7	3 14.22	− 0 49.8	1.902	2.775	11.4	19.1
12 17	3 7.66	− 0 28.7	1.983	2.777	14.2	19.3
12 27	3 3.49	+ 0 9.9	2.082	2.779	16.6	19.5

281864 2010 CX_{243} 11 17.5 138°.66 5°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.97	+ 1 6.8	2.366	3.221	10.6	20.0
10 28	3 48.58	+ 0 47.4	2.310	3.224	8.1	19.8
11 7	3 40.77	+ 0 36.7	2.279	3.227	6.1	19.7
11 17	3 32.21	+ 0 37.6	2.277	3.230	5.5	19.7
11 27	3 23.72	+ 0 52.2	2.303	3.233	7.0	19.8
12 7	3 16.08	+ 1 21.2	2.358	3.235	9.3	19.9
12 17	3 9.93	+ 2 3.6	2.438	3.238	11.7	20.1
12 27	3 5.70	+ 2 57.8	2.540	3.240	13.8	20.3

171296 2006 HN_{1} 11 17.5 113°.18 4°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.67	+10 30.8	1.496	2.370	14.6	20.4
10 28	3 53.73	+ 9 55.8	1.453	2.388	10.4	20.2
11 7	3 43.57	+ 9 23.4	1.434	2.405	6.1	20.0
11 17	3 32.34	+ 8 57.6	1.443	2.422	4.1	19.9
11 27	3 21.44	+ 8 42.8	1.479	2.439	6.9	20.1
12 7	3 12.12	+ 8 41.8	1.542	2.454	11.0	20.4
12 17	3 5.26	+ 8 55.5	1.630	2.469	14.7	20.6
12 27	3 1.36	+ 9 23.2	1.737	2.484	17.7	20.9

228416 2001 OJ_{57} 11 17.5 72°.71 2°.7/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.24	+27 4.6	1.419	2.278	16.2	19.8
10 28	3 54.30	+26 56.4	1.381	2.305	11.7	19.6
11 7	3 43.90	+26 32.2	1.365	2.333	6.9	19.4
11 17	3 32.36	+25 53.2	1.375	2.360	2.9	19.3
11 27	3 21.31	+25 4.1	1.414	2.387	5.0	19.5
12 7	3 12.16	+24 12.1	1.479	2.414	9.4	19.8
12 17	3 5.81	+23 24.3	1.568	2.440	13.4	20.1
12 27	3 2.69	+22 46.3	1.679	2.466	16.7	20.4

314428 2005 UO_{447} 11 17.5 68°.87 0°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.01	+21 13.8	1.918	2.783	12.3	21.1
10 28	3 49.68	+21 4.6	1.858	2.790	8.7	20.9
11 7	3 41.47	+20 48.0	1.823	2.797	4.6	20.6
11 17	3 32.26	+20 25.5	1.816	2.804	0.6	20.3
11 27	3 23.13	+20 0.0	1.838	2.812	4.0	20.6
12 7	3 15.14	+19 35.5	1.888	2.819	8.0	20.9
12 17	3 9.09	+19 15.6	1.964	2.826	11.5	21.1
12 27	3 5.50	+19 3.5	2.062	2.833	14.5	21.3

515641 2014 ML_{35} 11 17.5 125°.50 1°.8/16.5 18

10 18	3 56.92	+13 42.5	2.285	3.149	10.6	22.1
10 28	3 49.97	+13 29.6	2.231	3.163	7.4	21.9
11 7	3 41.50	+13 15.9	2.203	3.177	4.0	21.7
11 17	3 32.27	+13 3.6	2.205	3.190	1.8	21.6
11 27	3 23.16	+12 54.9	2.237	3.203	4.3	21.8
12 7	3 15.03	+12 52.0	2.299	3.215	7.6	22.0
12 17	3 8.54	+12 56.5	2.387	3.227	10.6	22.2
12 27	3 4.13	+13 9.4	2.499	3.238	13.1	22.4

242890 2006 JR_{47} 11 17.5 131°.52 6°.0/14.2 18

10 18	3 57.29	+ 1 11.4	2.189	3.044	11.4	20.8
10 28	3 50.18	+ 0 31.9	2.145	3.059	8.7	20.7
11 7	3 41.59	+ 0 1.4	2.126	3.073	6.6	20.6
11 17	3 32.28	− 0 16.2	2.136	3.087	6.1	20.6
11 27	3 23.15	− 0 18.2	2.175	3.100	7.6	20.7
12 7	3 15.04	− 0 3.6	2.242	3.113	10.0	20.9
12 17	3 8.61	+ 0 26.7	2.333	3.125	12.4	21.1
12 27	3 4.27	+ 1 10.7	2.446	3.137	14.5	21.2

421750 2014 PP_{53} 11 17.5 0°.02 4°.9/14.3 18

10 18	3 52.70	+ 6 22.9	2.062	2.934	11.2	20.8
10 28	3 47.19	+ 5 25.5	2.004	2.934	8.3	20.6
11 7	3 40.12	+ 4 32.4	1.972	2.934	5.7	20.5
11 17	3 32.21	+ 3 48.3	1.968	2.934	5.1	20.4
11 27	3 24.36	+ 3 17.5	1.992	2.934	7.0	20.6
12 7	3 17.44	+ 3 2.7	2.043	2.934	9.9	20.7
12 17	3 12.14	+ 3 4.8	2.119	2.934	12.7	20.9
12 27	3 8.93	+ 3 22.9	2.215	2.935	15.1	21.1

61129 2000 MD_{6} 11 17.5 242°.32 1°.6/16.7 18

10 18	3 58.25	+16 12.9	1.764	2.635	12.9	19.4
10 28	3 51.51	+15 47.7	1.688	2.623	9.1	19.1
11 7	3 42.58	+15 18.3	1.636	2.611	4.9	18.9
11 17	3 32.33	+14 47.2	1.612	2.599	1.6	18.6
11 27	3 21.97	+14 18.5	1.617	2.586	5.2	18.8
12 7	3 12.71	+13 56.4	1.649	2.572	9.6	19.1
12 17	3 5.54	+13 44.4	1.707	2.559	13.5	19.3
12 27	3 1.10	+13 44.6	1.786	2.544	16.9	19.5

392614 2011 TM_{10} 11 17.5 126°.22 1°.6/18.3 18

10 18	3 59.03	+24 4.7	1.994	2.847	12.4	21.4
10 28	3 51.76	+24 8.7	1.934	2.858	8.9	21.2
11 7	3 42.56	+24 3.4	1.899	2.869	5.0	21.0
11 17	3 32.33	+23 49.0	1.893	2.879	1.7	20.8
11 27	3 22.19	+23 27.9	1.916	2.889	4.0	21.0
12 7	3 13.24	+23 3.9	1.968	2.898	7.8	21.2
12 17	3 6.31	+22 41.1	2.047	2.907	11.2	21.5
12 27	3 1.92	+22 23.7	2.148	2.916	14.1	21.7

28521 Mattmcintyre 11 17.5 197°.40 0°.2/17.6 18

10 18	3 58.64	+21 15.6	1.686	2.552	13.6	19.9
10 28	3 51.79	+20 49.6	1.618	2.551	9.7	19.6
11 7	3 42.70	+20 14.1	1.574	2.549	5.1	19.3
11 17	3 32.33	+19 31.4	1.558	2.547	0.3	19.0
11 27	3 22.00	+18 45.8	1.571	2.544	4.6	19.3
12 7	3 12.97	+18 2.8	1.611	2.541	9.2	19.6
12 17	3 6.18	+17 27.6	1.677	2.538	13.2	19.8
12 27	3 2.25	+17 4.0	1.763	2.534	16.6	20.0

56566 2000 JE_{14} 11 17.5 109°.34 0°.9/17.1 18

10 18	3 59.18	+17 38.2	1.604	2.477	13.9	19.3
10 28	3 52.10	+17 23.0	1.549	2.486	9.7	19.1
11 7	3 42.81	+17 2.9	1.519	2.495	5.1	18.8
11 17	3 32.34	+16 40.0	1.515	2.503	0.9	18.5
11 27	3 22.01	+16 18.1	1.540	2.512	5.0	18.9
12 7	3 13.09	+16 1.2	1.592	2.520	9.5	19.1
12 17	3 6.48	+15 52.8	1.669	2.528	13.4	19.4
12 27	3 2.73	+15 55.0	1.767	2.536	16.6	19.6

456224 2006 KT_{52} 11 17.5 157°.83 5°.9/17.0 17

10 18	4 12.82	+ 3 25.8	1.131	1.997	18.9	20.1
10 28	4 2.56	+ 4 18.5	1.073	2.000	14.0	19.9
11 7	3 48.68	+ 5 29.3	1.037	2.002	8.9	19.6
11 17	3 32.63	+ 6 58.5	1.027	2.005	5.9	19.4
11 27	3 16.54	+ 8 43.2	1.046	2.007	8.8	19.6
12 7	3 2.53	+10 38.0	1.091	2.008	13.9	19.9
12 17	2 52.09	+12 37.7	1.160	2.010	18.7	20.2
12 27	2 45.96	+14 39.0	1.249	2.011	22.6	20.5

52506 1996 FK_{4} 11 17.5 229°.20 0°.6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.94	+21 51.7	1.753	2.616	13.4	20.4
10 28	3 52.05	+21 38.2	1.678	2.608	9.5	20.1
11 7	3 42.88	+21 15.4	1.627	2.600	5.2	19.9
11 17	3 32.36	+20 44.6	1.603	2.592	0.7	19.5
11 27	3 21.76	+20 9.2	1.609	2.583	4.5	19.8
12 7	3 12.35	+19 34.0	1.643	2.573	9.0	20.0
12 17	3 5.15	+19 4.1	1.702	2.564	13.1	20.3
12 27	3 0.78	+18 43.7	1.782	2.553	16.4	20.5

246439 2007 VT_{153} 11 17.5 87°.79 0°.8/17.9 18

10 18	3 57.46	+22 44.6	1.740	2.604	13.4	21.4
10 28	3 50.81	+22 26.0	1.684	2.615	9.5	21.1
11 7	3 42.10	+21 57.5	1.652	2.625	5.1	20.9
11 17	3 32.32	+21 21.1	1.647	2.635	0.9	20.6
11 27	3 22.69	+20 40.5	1.671	2.645	4.3	20.9
12 7	3 14.39	+20 1.0	1.723	2.655	8.5	21.2
12 17	3 8.26	+19 27.3	1.800	2.665	12.3	21.4
12 27	3 4.82	+19 3.2	1.899	2.675	15.4	21.7

88402 2001 QW_{24} 11 17.5 52°.56 5°.8/14.9 18

10 18	3 56.19	+ 5 48.6	1.568	2.446	13.8	18.8
10 28	3 49.76	+ 5 2.6	1.536	2.468	10.1	18.6
11 7	3 41.45	+ 4 24.4	1.528	2.491	6.9	18.5
11 17	3 32.28	+ 3 59.0	1.546	2.514	5.8	18.5
11 27	3 23.45	+ 3 50.2	1.591	2.537	8.0	18.7
12 7	3 16.02	+ 3 59.3	1.662	2.561	11.2	18.9
12 17	3 10.72	+ 4 25.5	1.756	2.585	14.3	19.2
12 27	3 7.97	+ 5 6.8	1.870	2.609	16.9	19.4

382630 2002 QC_{9} 11 17.5 24°.34 1°.8/16.9 18

10 18	3 56.75	+15 18.8	0.864	1.771	19.2	19.7
10 28	3 51.31	+15 26.0	0.834	1.786	13.4	19.4
11 7	3 42.64	+15 31.2	0.823	1.803	7.0	19.2
11 17	3 32.34	+15 36.8	0.834	1.822	1.8	18.9
11 27	3 22.50	+15 46.3	0.867	1.842	6.8	19.3
12 7	3 14.91	+16 3.2	0.922	1.864	12.6	19.7
12 17	3 10.71	+16 29.5	0.998	1.888	17.6	20.1
12 27	3 10.33	+17 6.0	1.091	1.913	21.5	20.4

425301 2009 XR_{23} 11 17.5 352°.33 4°.1/19.7 16

10 18	3 51.98	+30 11.4	1.474	2.337	15.4	20.7
10 28	3 47.58	+30 9.9	1.404	2.328	11.7	20.5
11 7	3 40.67	+29 50.0	1.356	2.319	7.6	20.2
11 17	3 32.27	+29 11.4	1.332	2.312	4.4	20.0
11 27	3 23.81	+28 17.3	1.335	2.307	5.5	20.1
12 7	3 16.72	+27 14.8	1.362	2.302	9.5	20.3
12 17	3 12.09	+26 11.8	1.413	2.300	13.6	20.5
12 27	3 10.55	+25 15.9	1.486	2.299	17.2	20.8

120209 2004 ES_{36} 11 17.5 177°.56 0°.8/17.9 18

10 18	3 59.69	+22 36.9	1.894	2.751	12.8	20.9
10 28	3 52.35	+22 19.8	1.826	2.753	9.1	20.7
11 7	3 42.93	+21 53.3	1.783	2.755	5.0	20.5
11 17	3 32.38	+21 18.6	1.768	2.756	0.9	20.2
11 27	3 21.87	+20 39.1	1.783	2.756	4.2	20.4
12 7	3 12.58	+19 59.8	1.826	2.756	8.4	20.7
12 17	3 5.39	+19 25.4	1.896	2.755	12.1	20.9
12 27	3 0.86	+18 59.9	1.989	2.753	15.2	21.1

261821 2006 CO_{45} 11 17.5 136°.64 0°.4/17.2 18

10 18	3 54.29	+18 49.4	2.581	3.440	9.7	21.3
10 28	3 48.09	+18 33.0	2.518	3.448	6.8	21.1
11 7	3 40.54	+18 12.3	2.483	3.457	3.5	20.9
11 17	3 32.27	+17 48.9	2.477	3.465	0.4	20.7
11 27	3 24.07	+17 25.2	2.502	3.473	3.3	20.9
12 7	3 16.70	+17 4.0	2.556	3.481	6.5	21.1
12 17	3 10.77	+16 47.7	2.639	3.488	9.4	21.3
12 27	3 6.70	+16 38.5	2.745	3.495	11.8	21.5

409141 2003 UV_{74} 11 17.5 96°.33 1°.5/18.6 18

10 18	3 54.96	+25 54.4	2.385	3.232	10.8	20.8
10 28	3 48.63	+25 30.5	2.328	3.249	7.8	20.6
11 7	3 40.83	+24 56.7	2.297	3.265	4.5	20.5
11 17	3 32.29	+24 14.6	2.295	3.281	1.6	20.3
11 27	3 23.92	+23 27.2	2.324	3.297	3.4	20.5
12 7	3 16.55	+22 38.7	2.382	3.312	6.6	20.7
12 17	3 10.83	+21 53.3	2.467	3.328	9.6	20.9
12 27	3 7.16	+21 14.6	2.577	3.343	12.1	21.1

216187 2006 TO_{74} 11 17.5 88°.78 2°.1/16.5 18

10 18	3 56.48	+13 56.6	1.881	2.753	12.2	20.1
10 28	3 50.00	+13 41.8	1.823	2.758	8.5	19.9
11 7	3 41.67	+13 26.0	1.789	2.764	4.6	19.7
11 17	3 32.34	+13 11.6	1.784	2.769	2.1	19.5
11 27	3 23.08	+13 1.7	1.808	2.775	5.0	19.7
12 7	3 14.93	+12 59.0	1.859	2.780	8.8	20.0
12 17	3 8.70	+13 5.2	1.937	2.786	12.3	20.2
12 27	3 4.89	+13 21.5	2.035	2.791	15.2	20.4

414609 2009 UM_{132} 11 17.5 16°.18 1°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.93	+28 15.5	1.849	2.702	13.2	19.7
10 28	3 48.92	+26 39.0	1.781	2.705	9.6	19.4
11 7	3 41.06	+24 44.1	1.739	2.709	5.4	19.2
11 17	3 32.30	+22 36.0	1.726	2.713	1.3	18.9
11 27	3 23.80	+20 22.9	1.743	2.718	4.1	19.1
12 7	3 16.61	+18 14.4	1.791	2.723	8.3	19.4
12 17	3 11.45	+16 19.2	1.866	2.729	12.0	19.7
12 27	3 8.78	+14 42.7	1.965	2.735	15.1	19.9

196791 2003 SM_{191} 11 17.5 9°.13 0°.3/17.7 18

10 18	3 53.44	+22 31.0	2.105	2.967	11.5	19.9
10 28	3 47.81	+21 53.3	2.037	2.967	8.1	19.7
11 7	3 40.50	+21 6.7	1.994	2.968	4.3	19.4
11 17	3 32.30	+20 13.5	1.980	2.969	0.5	19.1
11 27	3 24.17	+19 17.8	1.996	2.969	3.7	19.4
12 7	3 17.04	+18 24.5	2.040	2.970	7.5	19.7
12 17	3 11.63	+17 38.1	2.111	2.971	10.9	19.9
12 27	3 8.43	+17 1.9	2.204	2.973	13.8	20.1

13067 1991 PA_{15} 11 17.5 52°.98 2°.9/16.1 18

10 18	3 57.73	+15 31.5	1.211	2.100	16.2	18.0
10 28	3 51.35	+14 32.2	1.173	2.117	11.3	17.8
11 7	3 42.47	+13 29.1	1.157	2.134	6.1	17.5
11 17	3 32.39	+12 28.6	1.167	2.152	3.0	17.4
11 27	3 22.72	+11 37.9	1.202	2.170	6.8	17.7
12 7	3 14.85	+11 2.8	1.262	2.188	11.6	18.0
12 17	3 9.69	+10 46.1	1.345	2.207	15.8	18.3
12 27	3 7.70	+10 48.2	1.446	2.226	19.2	18.6

77428 2001 GK_5 11 17.5 211°.72 4°.1/15.7 18

10 18	3 59.11	+10 4.8	1.586	2.461	13.9	19.5
10 28	3 52.17	+ 9 33.1	1.523	2.458	10.0	19.2
11 7	3 42.95	+ 9 3.6	1.484	2.455	6.0	19.0
11 17	3 32.44	+ 8 40.4	1.472	2.451	4.1	18.9
11 27	3 21.92	+ 8 28.0	1.488	2.447	6.9	19.0
12 7	3 12.68	+ 8 29.2	1.530	2.442	11.0	19.3
12 17	3 5.70	+ 8 45.5	1.596	2.437	14.9	19.5
12 27	3 1.59	+ 9 16.4	1.682	2.432	18.1	19.7

44217 Whittle 11 17.5 354°.69 5°.7/21.2 18 R

10 18	3 57.82	+35 59.8	1.590	2.421	16.1	16.9
10 28	3 51.57	+35 41.2	1.520	2.420	12.6	16.7
11 7	3 42.71	+34 57.8	1.472	2.419	8.9	16.5
11 17	3 32.42	+33 49.1	1.449	2.418	6.0	16.3
11 27	3 22.26	+32 19.2	1.453	2.417	6.4	16.3
12 7	3 13.70	+30 36.9	1.483	2.417	9.5	16.5
12 17	3 7.80	+28 52.9	1.539	2.417	13.3	16.7
12 27	3 5.13	+27 16.8	1.618	2.417	16.6	17.0

164735 1998 SY_{24} 11 17.5 58°.30 3°.7/15.6 18

10 18	3 56.02	+11 41.4	1.571	2.452	13.6	19.0
10 28	3 49.77	+10 52.6	1.529	2.467	9.6	18.8
11 7	3 41.55	+10 4.8	1.510	2.483	5.6	18.6
11 17	3 32.36	+ 9 23.0	1.519	2.499	3.8	18.6
11 27	3 23.43	+ 8 51.9	1.555	2.515	6.6	18.8
12 7	3 15.87	+ 8 35.2	1.618	2.532	10.4	19.0
12 17	3 10.47	+ 8 34.1	1.704	2.549	13.9	19.3
12 27	3 7.70	+ 8 48.5	1.810	2.565	16.8	19.5

263936 2009 HW_{53} 11 17.5 200°.44 4°.7/14.8 18

10 18	3 55.67	+ 5 11.1	2.280	3.142	10.7	21.4
10 28	3 49.21	+ 4 37.8	2.215	3.139	8.0	21.2
11 7	3 41.21	+ 4 9.7	2.176	3.135	5.5	21.0
11 17	3 32.36	+ 3 50.3	2.166	3.131	4.7	21.0
11 27	3 23.53	+ 3 42.7	2.186	3.127	6.5	21.1
12 7	3 15.55	+ 3 48.7	2.233	3.122	9.2	21.2
12 17	3 9.13	+ 4 8.4	2.307	3.117	11.9	21.4
12 27	3 4.73	+ 4 41.2	2.401	3.111	14.3	21.6

485987 2012 KH_2 11 17.5 208°.75 5°.8/12.9 17

10 18	3 52.07	− 1 10.1	2.799	3.648	9.4	22.0
10 28	3 46.48	− 2 1.1	2.738	3.643	7.4	21.8
11 7	3 39.71	− 2 44.1	2.704	3.638	6.0	21.7
11 17	3 32.29	− 3 15.5	2.698	3.632	5.9	21.7
11 27	3 24.89	− 3 32.3	2.720	3.626	7.1	21.8
12 7	3 18.16	− 3 33.1	2.770	3.620	9.0	21.9
12 17	3 12.63	− 3 18.1	2.845	3.613	11.0	22.0
12 27	3 8.70	− 2 48.5	2.941	3.606	12.8	22.2

123698 2000 YQ_{104} 11 17.5 184°.39 8°.5/ 9.8 18

10 18	3 52.56	−14 17.1	3.026	3.823	10.1	20.0
10 28	3 46.74	−15 18.8	2.983	3.823	9.0	19.9
11 7	3 39.81	−16 5.6	2.965	3.822	8.5	19.9
11 17	3 32.31	−16 33.7	2.973	3.821	8.6	19.9
11 27	3 24.87	−16 40.6	3.007	3.820	9.5	19.9
12 7	3 18.09	−16 26.2	3.064	3.818	10.6	20.0
12 17	3 12.50	−15 51.9	3.143	3.816	11.9	20.1
12 27	3 8.45	−15 0.5	3.240	3.813	13.1	20.2

365593 2010 TS_{162} 11 17.5 116°.20 0°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.87	+22 15.1	2.054	2.914	11.8	21.8
10 28	3 49.56	+22 1.2	1.989	2.918	8.4	21.6
11 7	3 41.46	+21 39.3	1.950	2.923	4.5	21.4
11 17	3 32.39	+21 10.7	1.939	2.927	0.8	21.1
11 27	3 23.38	+20 38.5	1.957	2.931	3.8	21.3
12 7	3 15.43	+20 6.6	2.005	2.935	7.6	21.6
12 17	3 9.32	+19 39.0	2.078	2.939	11.1	21.8
12 27	3 5.54	+19 19.1	2.175	2.943	13.9	22.0

154007 2002 BY 11 17.5 174°.25 0°.7/17.2 17

10 18	4 7.10	+19 50.3	1.573	2.431	14.9	21.6
10 28	3 57.79	+19 11.7	1.509	2.438	10.5	21.4
11 7	3 45.90	+18 23.3	1.469	2.443	5.5	21.1
11 17	3 32.61	+17 28.2	1.458	2.446	0.7	20.8
11 27	3 19.48	+16 31.9	1.477	2.448	5.3	21.1
12 7	3 7.99	+15 40.9	1.525	2.448	10.2	21.4
12 17	2 59.19	+15 1.1	1.598	2.446	14.5	21.7
12 27	2 53.67	+14 36.0	1.692	2.442	18.0	21.9

348678 2006 BB_{74} 11 17.5 108°.33 3°.8/15.7 18

10 18	3 58.61	+ 9 40.1	1.841	2.710	12.5	20.8
10 28	3 51.36	+ 9 8.5	1.797	2.729	8.9	20.7
11 7	3 42.33	+ 8 39.8	1.777	2.746	5.4	20.5
11 17	3 32.44	+ 8 17.5	1.786	2.764	3.8	20.4
11 27	3 22.78	+ 8 4.9	1.824	2.780	6.2	20.6
12 7	3 14.36	+ 8 4.4	1.890	2.797	9.6	20.8
12 17	3 7.93	+ 8 16.7	1.980	2.813	12.8	21.1
12 27	3 3.95	+ 8 41.3	2.092	2.828	15.4	21.3

326673 2002 VB_5 11 17.5 41°.52 2°.0/17.5 18

10 18	4 13.81	+ 8 28.3	1.028	1.902	19.7	18.5
10 28	4 3.05	+10 29.2	0.993	1.928	13.9	18.3
11 7	3 48.79	+12 40.2	0.981	1.955	7.5	18.1
11 17	3 32.75	+14 53.8	0.995	1.983	2.1	17.8
11 27	3 17.24	+17 2.3	1.039	2.011	6.6	18.2
12 7	3 4.31	+19 0.7	1.109	2.040	12.3	18.6
12 17	2 55.24	+20 48.0	1.203	2.070	17.0	19.0
12 27	2 50.53	+22 26.2	1.317	2.100	20.6	19.3

343742 2011 FC_{15} 11 17.5 58°.66 10°.1/21.8 18

10 18	4 9.26	+39 57.6	1.369	2.181	19.3	19.7
10 28	4 0.23	+41 32.3	1.330	2.205	15.8	19.5
11 7	3 47.51	+42 38.7	1.311	2.229	12.5	19.4
11 17	3 32.70	+43 9.3	1.315	2.253	10.4	19.3
11 27	3 18.10	+43 3.0	1.344	2.278	10.4	19.4
12 7	3 5.87	+42 27.1	1.397	2.303	12.4	19.6
12 17	2 57.43	+41 33.3	1.474	2.328	15.2	19.8
12 27	2 53.37	+40 33.7	1.569	2.353	17.8	20.1

490515 2009 UY_{104} 11 17.5 337°.58 0°.5/17.7 17

10 18	3 56.51	+19 14.3	1.756	2.626	13.0	20.5
10 28	3 50.44	+19 41.3	1.681	2.616	9.2	20.2
11 7	3 42.14	+20 4.3	1.631	2.605	5.0	20.0
11 17	3 32.45	+20 23.1	1.607	2.596	0.6	19.6
11 27	3 22.58	+20 38.5	1.613	2.587	4.4	19.9
12 7	3 13.76	+20 52.7	1.646	2.579	8.8	20.1
12 17	3 7.01	+21 8.4	1.704	2.571	12.7	20.4
12 27	3 3.02	+21 28.3	1.783	2.564	16.1	20.6

511802 2015 FW_{73} 11 17.5 215°.77 1°.3/18.2 18

10 18	4 0.25	+23 34.7	1.739	2.597	13.7	22.6
10 28	3 53.05	+23 25.9	1.664	2.591	9.9	22.3
11 7	3 43.48	+23 6.2	1.613	2.584	5.5	22.0
11 17	3 32.52	+22 36.3	1.590	2.577	1.4	21.8
11 27	3 21.48	+21 59.4	1.596	2.569	4.5	22.0
12 7	3 11.69	+21 20.6	1.630	2.561	9.0	22.2
12 17	3 4.19	+20 45.5	1.689	2.553	13.1	22.4
12 27	2 59.62	+20 18.9	1.770	2.543	16.5	22.7

495165 2012 GB_{27} 11 17.5 222°.08 0°.6/16.9 17

10 18	3 53.31	+19 44.6	2.731	3.589	9.3	21.9
10 28	3 47.45	+18 53.3	2.650	3.580	6.5	21.7
11 7	3 40.26	+17 55.8	2.597	3.571	3.4	21.5
11 17	3 32.35	+16 54.5	2.573	3.561	0.6	21.2
11 27	3 24.46	+15 53.2	2.581	3.551	3.4	21.4
12 7	3 17.31	+14 55.8	2.620	3.541	6.6	21.6
12 17	3 11.48	+14 5.8	2.687	3.530	9.4	21.8
12 27	3 7.43	+13 25.9	2.778	3.519	11.9	22.0

149358 2002 XQ_{33} 11 17.5 8°.81 5°.2/20.3 18

10 18	3 56.64	+32 51.7	1.178	2.040	18.6	19.4
10 28	3 51.26	+32 33.4	1.120	2.040	14.2	19.1
11 7	3 42.74	+31 48.3	1.082	2.042	9.4	18.8
11 17	3 32.47	+30 36.4	1.066	2.044	5.6	18.6
11 27	3 22.38	+29 3.9	1.076	2.048	6.6	18.7
12 7	3 14.25	+27 22.2	1.110	2.052	10.9	19.0
12 17	3 9.27	+25 43.8	1.167	2.057	15.5	19.3
12 27	3 8.02	+24 18.8	1.244	2.064	19.5	19.5

404757 2014 JX_{37} 11 17.5 62°.28 3°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.14	+12 6.7	1.716	2.592	12.9	20.9
10 28	3 49.80	+11 35.9	1.668	2.606	9.1	20.7
11 7	3 41.59	+11 5.7	1.646	2.619	5.2	20.5
11 17	3 32.42	+10 39.9	1.650	2.633	3.1	20.4
11 27	3 23.44	+10 22.1	1.683	2.646	5.8	20.6
12 7	3 15.71	+10 15.3	1.743	2.660	9.6	20.9
12 17	3 10.01	+10 20.9	1.828	2.674	13.0	21.1
12 27	3 6.82	+10 39.1	1.933	2.688	15.9	21.3

466273 2013 NR_{19} 11 17.5 125°.37 4°.0/15.7 16

10 18	4 1.71	+10 47.9	1.549	2.421	14.3	22.1
10 28	3 53.78	+10 4.3	1.503	2.437	10.1	21.9
11 7	3 43.69	+ 9 22.5	1.483	2.454	6.0	21.7
11 17	3 32.54	+ 8 47.1	1.490	2.469	4.1	21.6
11 27	3 21.68	+ 8 22.7	1.525	2.483	6.9	21.8
12 7	3 12.35	+ 8 12.7	1.587	2.497	10.9	22.1
12 17	3 5.42	+ 8 18.3	1.673	2.510	14.5	22.3
12 27	3 1.38	+ 8 39.0	1.780	2.522	17.5	22.6

315709 2008 EP_{98} 11 17.5 240°.17 1°.6/16.6 18

10 18	3 55.60	+15 21.7	2.023	2.892	11.5	20.7
10 28	3 49.41	+15 0.0	1.953	2.888	8.1	20.5
11 7	3 41.43	+14 35.7	1.908	2.883	4.3	20.3
11 17	3 32.43	+14 11.3	1.892	2.878	1.7	20.1
11 27	3 23.42	+13 49.9	1.905	2.873	4.6	20.3
12 7	3 15.37	+13 34.8	1.946	2.868	8.4	20.5
12 17	3 9.09	+13 28.5	2.014	2.863	11.9	20.7
12 27	3 5.12	+13 32.7	2.103	2.858	14.8	20.9

452122 2014 SB_{221} 11 17.5 357°.95 8°.4/23.2 17

10 18	3 54.44	+41 38.6	1.554	2.368	17.2	19.7
10 28	3 49.49	+41 46.8	1.485	2.363	14.3	19.5
11 7	3 41.76	+41 26.4	1.436	2.360	11.2	19.3
11 17	3 32.45	+40 34.8	1.410	2.358	8.9	19.2
11 27	3 23.20	+39 14.2	1.409	2.357	8.6	19.2
12 7	3 15.60	+37 32.6	1.432	2.357	10.6	19.3
12 17	3 10.78	+35 41.0	1.480	2.359	13.6	19.5
12 27	3 9.32	+33 51.0	1.550	2.362	16.7	19.7

317924 2003 UY_{344} 11 17.5 182°.40 0°.7/17.0 18

10 18	3 53.58	+18 27.1	2.464	3.327	10.0	21.2
10 28	3 47.73	+17 56.1	2.395	3.327	7.0	21.0
11 7	3 40.44	+17 20.3	2.352	3.327	3.6	20.8
11 17	3 32.39	+16 42.0	2.339	3.327	0.7	20.6
11 27	3 24.37	+16 4.4	2.356	3.326	3.6	20.8
12 7	3 17.18	+15 30.7	2.402	3.326	7.0	21.0
12 17	3 11.45	+15 3.9	2.476	3.325	10.0	21.2
12 27	3 7.63	+14 46.1	2.573	3.324	12.5	21.4

435557 2008 QG_{48} 11 17.5 62°.00 0°.2/17.6 18

10 18	3 59.30	+21 7.1	1.395	2.270	15.4	21.1
10 28	3 52.33	+20 46.0	1.354	2.291	10.8	20.8
11 7	3 42.99	+20 15.5	1.336	2.311	5.7	20.6
11 17	3 32.51	+19 38.2	1.343	2.332	0.4	20.3
11 27	3 22.39	+18 59.2	1.379	2.353	4.9	20.7
12 7	3 13.96	+18 24.1	1.440	2.374	9.7	21.0
12 17	3 8.14	+17 57.9	1.526	2.395	13.8	21.3
12 27	3 5.39	+17 43.5	1.632	2.416	17.2	21.6

225159 2008 GF_{83} 11 17.5 117°.00 2°.1/16.5 18

10 18	4 0.10	+14 54.3	1.666	2.537	13.5	20.7
10 28	3 52.63	+14 26.9	1.617	2.552	9.5	20.5
11 7	3 43.09	+13 57.2	1.592	2.567	5.1	20.3
11 17	3 32.52	+13 28.3	1.595	2.581	2.1	20.1
11 27	3 22.17	+13 4.2	1.628	2.595	5.4	20.4
12 7	3 13.23	+12 48.6	1.688	2.609	9.6	20.6
12 17	3 6.53	+12 43.9	1.772	2.621	13.3	20.9
12 27	3 2.56	+12 51.4	1.878	2.634	16.3	21.1

100228 1994 PH_{17} 11 17.5 56°.82 1°.5/18.2 18

10 18	4 1.12	+23 45.9	1.234	2.109	17.0	19.5
10 28	3 53.79	+23 36.2	1.199	2.133	12.1	19.3
11 7	3 43.79	+23 13.1	1.185	2.159	6.6	19.0
11 17	3 32.55	+22 38.6	1.196	2.184	1.7	18.8
11 27	3 21.80	+21 57.8	1.234	2.210	5.2	19.1
12 7	3 13.05	+21 17.8	1.298	2.235	10.2	19.5
12 17	3 7.26	+20 44.7	1.385	2.261	14.5	19.8
12 27	3 4.86	+20 23.0	1.492	2.287	18.0	20.1

161915 2007 EY_{24} 11 17.5 162°.50 0°.5/17.2 18

10 18	3 54.25	+18 44.5	2.359	3.221	10.4	20.8
10 28	3 48.25	+18 21.8	2.291	3.223	7.3	20.6
11 7	3 40.74	+17 54.3	2.251	3.225	3.8	20.4
11 17	3 32.41	+17 24.0	2.239	3.227	0.5	20.1
11 27	3 24.13	+16 53.6	2.257	3.229	3.7	20.4
12 7	3 16.72	+16 26.6	2.305	3.230	7.1	20.6
12 17	3 10.85	+16 5.7	2.380	3.231	10.2	20.8
12 27	3 6.99	+15 53.2	2.478	3.233	12.8	21.0

162317 1999 XB_{23} 11 17.5 19°.81 1°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.39	+18 46.3	1.231	2.111	16.7	18.7
10 28	3 55.12	+20 1.3	1.180	2.118	11.9	18.4
11 7	3 44.78	+21 13.0	1.152	2.127	6.5	18.1
11 17	3 32.62	+22 17.6	1.149	2.137	1.6	17.9
11 27	3 20.46	+23 13.0	1.173	2.148	5.5	18.2
12 7	3 10.05	+24 0.1	1.222	2.159	10.7	18.5
12 17	3 2.70	+24 41.9	1.296	2.172	15.3	18.8
12 27	2 59.10	+25 22.2	1.388	2.186	19.0	19.1

411511 2011 BN_{22} 11 17.5 329°.33 2°.7/15.9 17

10 18	3 52.87	+13 2.4	1.956	2.832	11.6	20.7
10 28	3 47.54	+12 23.2	1.888	2.825	8.2	20.5
11 7	3 40.47	+11 42.8	1.844	2.818	4.6	20.3
11 17	3 32.41	+11 4.9	1.829	2.811	2.8	20.1
11 27	3 24.34	+10 33.5	1.842	2.805	5.4	20.3
12 7	3 17.21	+10 12.3	1.883	2.799	9.0	20.5
12 17	3 11.80	+10 3.5	1.948	2.793	12.4	20.7
12 27	3 8.65	+10 8.1	2.035	2.788	15.3	20.9

222026 1998 SX_{106} 11 17.5 1°.68 1°.0/18.0 18

10 18	3 52.77	+22 15.9	1.446	2.326	14.6	19.3
10 28	3 48.02	+22 12.5	1.386	2.324	10.4	19.0
11 7	3 40.90	+21 59.4	1.348	2.324	5.7	18.7
11 17	3 32.44	+21 37.8	1.336	2.324	1.2	18.4
11 27	3 23.98	+21 11.3	1.350	2.326	4.7	18.7
12 7	3 16.86	+20 45.1	1.390	2.329	9.5	19.0
12 17	3 12.09	+20 23.9	1.453	2.334	13.7	19.2
12 27	3 10.26	+20 11.9	1.537	2.340	17.2	19.5

68490 2001 TH_{239} 11 17.5 294°.98 2°.5/16.7 18

10 18	4 0.04	+12 34.8	1.476	2.353	14.6	19.2
10 28	3 53.31	+12 42.9	1.397	2.334	10.4	18.9
11 7	3 43.84	+12 52.9	1.341	2.315	5.8	18.6
11 17	3 32.60	+13 6.7	1.311	2.297	2.5	18.4
11 27	3 21.00	+13 26.3	1.309	2.278	6.2	18.6
12 7	3 10.59	+13 53.9	1.333	2.259	11.1	18.8
12 17	3 2.60	+14 30.7	1.382	2.241	15.7	19.0
12 27	2 57.88	+15 17.5	1.450	2.223	19.5	19.2

62158 2000 SK_{25} 11 17.5 355°.12 3°.6/15.3 18

10 18	3 54.17	+16 6.6	1.338	2.227	15.0	18.2
10 28	3 48.94	+14 23.3	1.280	2.224	10.5	17.9
11 7	3 41.34	+12 31.8	1.246	2.222	5.8	17.7
11 17	3 32.46	+10 40.7	1.238	2.221	3.7	17.5
11 27	3 23.71	+ 9 0.7	1.257	2.220	7.4	17.8
12 7	3 16.42	+ 7 40.5	1.301	2.220	12.0	18.0
12 17	3 11.55	+ 6 45.1	1.368	2.220	16.2	18.3
12 27	3 9.65	+ 6 15.7	1.453	2.221	19.7	18.5

53202 1999 CX_{72} 11 17.5 206°.41 1°.2/16.7 18

10 18	3 54.94	+17 53.0	2.215	3.080	10.9	19.6
10 28	3 48.81	+17 6.2	2.143	3.077	7.6	19.3
11 7	3 41.08	+16 13.8	2.097	3.073	4.0	19.1
11 17	3 32.45	+15 19.0	2.081	3.068	1.2	18.9
11 27	3 23.86	+14 26.0	2.095	3.064	4.2	19.1
12 7	3 16.19	+13 39.1	2.138	3.059	7.9	19.3
12 17	3 10.16	+13 1.9	2.208	3.053	11.1	19.5
12 27	3 6.26	+12 36.7	2.300	3.048	13.8	19.7

352265 2007 TJ_{247} 11 17.5 23°.16 1°.7/16.9 18

10 18	3 58.64	+14 20.6	1.521	2.399	14.2	20.0
10 28	3 51.95	+14 33.3	1.464	2.403	10.0	19.8
11 7	3 42.91	+14 45.8	1.431	2.407	5.3	19.5
11 17	3 32.55	+14 59.2	1.425	2.412	1.7	19.3
11 27	3 22.22	+15 15.4	1.446	2.417	5.3	19.6
12 7	3 13.26	+15 36.3	1.494	2.423	9.9	19.8
12 17	3 6.65	+16 3.7	1.567	2.429	13.9	20.1
12 27	3 3.01	+16 38.6	1.660	2.436	17.3	20.3

101439 1998 VH_{39} 11 17.5 31°.38 4°.5/19.4 18

10 18	3 59.54	+28 48.0	1.197	2.065	17.9	18.9
10 28	3 53.20	+29 11.1	1.148	2.074	13.4	18.7
11 7	3 43.75	+29 15.4	1.119	2.084	8.5	18.4
11 17	3 32.59	+28 59.2	1.114	2.095	4.7	18.2
11 27	3 21.60	+28 25.6	1.134	2.106	6.3	18.4
12 7	3 12.55	+27 42.0	1.178	2.118	10.8	18.7
12 17	3 6.67	+26 57.2	1.246	2.130	15.2	19.0
12 27	3 4.53	+26 19.0	1.332	2.143	18.9	19.2

365001 2008 KZ_{16} 11 17.5 87°.56 3°.4/15.2 18

10 18	3 54.45	+ 9 54.8	2.294	3.161	10.4	21.6
10 28	3 48.19	+ 9 2.9	2.254	3.186	7.4	21.4
11 7	3 40.61	+ 8 13.1	2.242	3.210	4.6	21.3
11 17	3 32.43	+ 7 29.2	2.259	3.234	3.5	21.3
11 27	3 24.48	+ 6 54.7	2.306	3.258	5.4	21.4
12 7	3 17.50	+ 6 32.0	2.381	3.281	8.2	21.6
12 17	3 12.06	+ 6 22.4	2.482	3.304	10.9	21.9
12 27	3 8.55	+ 6 25.8	2.605	3.326	13.0	22.1

95878 2003 GG_{50} 11 17.5 88°.58 1°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.23	+22 11.7	2.190	3.042	11.5	20.1
10 28	3 51.76	+22 29.4	2.139	3.064	8.2	20.0
11 7	3 42.59	+22 40.2	2.115	3.086	4.5	19.8
11 17	3 32.55	+22 44.2	2.120	3.107	1.2	19.6
11 27	3 22.66	+22 42.7	2.156	3.129	3.6	19.8
12 7	3 13.88	+22 38.4	2.221	3.150	7.1	20.0
12 17	3 6.96	+22 34.5	2.313	3.171	10.2	20.3
12 27	3 2.34	+22 33.8	2.429	3.191	12.8	20.5

513641 2011 QS_{77} 11 17.5 91°.43 5°.3/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.13	+34 26.6	1.907	2.726	14.3	21.6
10 28	3 54.83	+34 50.3	1.859	2.751	11.1	21.4
11 7	3 44.29	+34 55.5	1.834	2.776	7.8	21.3
11 17	3 32.63	+34 40.6	1.836	2.801	5.5	21.2
11 27	3 21.24	+34 7.6	1.867	2.825	5.9	21.3
12 7	3 11.41	+33 21.7	1.926	2.849	8.5	21.5
12 17	3 4.02	+32 30.2	2.012	2.872	11.4	21.7
12 27	2 59.59	+31 40.0	2.120	2.894	14.0	21.9

511939 2015 HE_{172} 11 17.5 156°.51 3°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.98	+30 41.0	1.955	2.788	13.4	21.4
10 28	3 53.29	+30 21.9	1.888	2.796	10.1	21.2
11 7	3 43.49	+29 46.3	1.846	2.804	6.4	21.0
11 17	3 32.59	+28 54.6	1.831	2.810	3.5	20.8
11 27	3 21.86	+27 50.4	1.846	2.816	4.6	20.9
12 7	3 12.48	+26 39.9	1.891	2.821	8.0	21.1
12 17	3 5.33	+25 30.2	1.962	2.826	11.5	21.3
12 27	3 0.93	+24 27.8	2.057	2.829	14.5	21.5

394656 2008 BL_{4} 11 17.5 86°.30 7°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.85	− 3 9.4	1.926	2.777	12.8	20.3
10 28	3 50.09	− 3 48.3	1.887	2.792	10.3	20.2
11 7	3 41.70	− 4 13.1	1.873	2.806	8.3	20.1
11 17	3 32.51	− 4 19.3	1.885	2.820	8.0	20.1
11 27	3 23.54	− 4 4.6	1.924	2.834	9.4	20.2
12 7	3 15.71	− 3 29.0	1.989	2.848	11.6	20.4
12 17	3 9.71	− 2 34.9	2.078	2.862	14.0	20.6
12 27	3 5.97	− 1 25.9	2.186	2.876	16.1	20.8

452497 2004 PW_{63} 11 17.5 18°.02 0°.2/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.16	+20 44.3	1.450	2.333	14.5	20.0
10 28	3 48.11	+20 8.6	1.401	2.341	10.1	19.7
11 7	3 40.86	+19 23.7	1.374	2.350	5.3	19.5
11 17	3 32.47	+18 33.3	1.372	2.361	0.3	19.1
11 27	3 24.26	+17 43.0	1.398	2.372	4.8	19.5
12 7	3 17.45	+16 58.7	1.449	2.385	9.5	19.8
12 17	3 12.94	+16 25.2	1.525	2.398	13.6	20.1
12 27	3 11.21	+16 5.5	1.621	2.413	16.9	20.4

201850 2003 YJ_{92} 11 17.5 335°.21 7°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.81	+ 1 42.7	1.600	2.473	13.8	19.5
10 28	3 49.11	+ 0 40.5	1.545	2.469	10.7	19.3
11 7	3 41.37	− 0 11.5	1.513	2.464	8.2	19.1
11 17	3 32.50	− 0 46.7	1.507	2.461	7.8	19.1
11 27	3 23.67	− 1 0.0	1.527	2.457	9.8	19.2
12 7	3 16.02	− 0 49.4	1.572	2.454	12.8	19.4
12 17	3 10.41	− 0 15.8	1.638	2.451	15.9	19.6
12 27	3 7.41	+ 0 37.6	1.723	2.448	18.6	19.8

326577 2002 QQ_{56} 11 17.5 149°.81 4°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.60	+ 3 55.8	2.462	3.325	10.0	20.8
10 28	3 46.98	+ 3 9.3	2.406	3.328	7.5	20.7
11 7	3 40.05	+ 2 28.4	2.377	3.331	5.5	20.5
11 17	3 32.43	+ 1 57.0	2.375	3.333	5.0	20.5
11 27	3 24.88	+ 1 38.2	2.403	3.336	6.5	20.6
12 7	3 18.10	+ 1 33.6	2.459	3.338	8.9	20.8
12 17	3 12.70	+ 1 43.7	2.540	3.341	11.3	20.9
12 27	3 9.09	+ 2 7.6	2.642	3.343	13.3	21.1

22436 1996 GO_{17} 11 17.5 187°.76 2°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.29	+27 49.9	2.519	3.352	10.8	18.6
10 28	3 51.22	+28 19.9	2.443	3.352	8.0	18.4
11 7	3 42.41	+28 40.7	2.393	3.351	5.1	18.2
11 17	3 32.56	+28 50.9	2.372	3.351	2.9	18.1
11 27	3 22.62	+28 51.3	2.382	3.349	4.0	18.2
12 7	3 13.53	+28 43.9	2.422	3.348	6.8	18.4
12 17	3 6.09	+28 32.4	2.490	3.346	9.6	18.5
12 27	3 0.84	+28 20.7	2.581	3.345	12.1	18.7

89434 2001 WO_{41} 11 17.5 353°.76 4°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.11	+12 44.2	1.160	2.058	16.0	17.9
10 28	3 48.52	+11 41.9	1.105	2.052	11.4	17.6
11 7	3 41.28	+10 37.8	1.071	2.047	6.7	17.3
11 17	3 32.50	+ 9 39.0	1.062	2.044	4.5	17.2
11 27	3 23.77	+ 8 53.6	1.077	2.041	8.0	17.4
12 7	3 16.57	+ 8 27.6	1.115	2.040	12.9	17.6
12 17	3 12.01	+ 8 23.6	1.174	2.040	17.4	17.9
12 27	3 10.72	+ 8 41.2	1.251	2.042	21.1	18.2

233270 2005 YF_{270} 11 17.5 276°.43 3°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.84	+12 27.1	1.591	2.470	13.6	20.6
10 28	3 50.62	+11 47.0	1.528	2.466	9.7	20.3
11 7	3 42.21	+11 6.2	1.489	2.463	5.5	20.1
11 17	3 32.56	+10 29.1	1.477	2.459	3.4	19.9
11 27	3 22.92	+10 0.6	1.493	2.456	6.4	20.1
12 7	3 14.52	+ 9 44.8	1.535	2.452	10.6	20.3
12 17	3 8.30	+ 9 43.8	1.601	2.449	14.5	20.6
12 27	3 4.85	+ 9 58.4	1.686	2.445	17.7	20.8

47532 2000 AF_{97} 11 17.5 219°.68 6°.1/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.95	+37 14.5	2.145	2.949	13.4	18.4
10 28	3 53.55	+37 46.8	2.065	2.943	10.8	18.2
11 7	3 43.81	+38 1.4	2.008	2.937	8.2	18.0
11 17	3 32.65	+37 55.2	1.978	2.931	6.3	17.9
11 27	3 21.34	+37 28.4	1.976	2.924	6.5	17.9
12 7	3 11.20	+36 45.1	2.002	2.917	8.7	18.0
12 17	3 3.26	+35 51.5	2.055	2.910	11.4	18.2
12 27	2 58.21	+34 55.3	2.130	2.902	14.1	18.4

273911 2007 HM_{65} 11 17.5 106°.02 4°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.17	+ 6 58.9	2.328	3.193	10.4	20.5
10 28	3 48.12	+ 6 30.7	2.274	3.202	7.6	20.4
11 7	3 40.66	+ 6 6.8	2.247	3.210	4.9	20.2
11 17	3 32.48	+ 5 50.1	2.248	3.218	4.0	20.2
11 27	3 24.40	+ 5 43.3	2.278	3.227	5.8	20.3
12 7	3 17.18	+ 5 48.0	2.337	3.235	8.5	20.5
12 17	3 11.46	+ 6 4.5	2.422	3.243	11.1	20.7
12 27	3 7.66	+ 6 32.4	2.529	3.250	13.4	20.9

140246 2001 SR_{252} 11 17.5 10°.38 5°.6/13.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.52	+ 9 18.8	1.563	2.449	13.4	18.8
10 28	3 47.48	+ 7 39.4	1.512	2.451	9.7	18.6
11 7	3 40.49	+ 6 1.5	1.486	2.453	6.5	18.4
11 17	3 32.47	+ 4 33.0	1.486	2.456	5.8	18.4
11 27	3 24.59	+ 3 21.9	1.513	2.459	8.3	18.5
12 7	3 17.93	+ 2 33.3	1.565	2.463	11.9	18.8
12 17	3 13.30	+ 2 8.9	1.640	2.468	15.2	19.0
12 27	3 11.18	+ 2 7.8	1.734	2.473	18.0	19.2

44839 1999 TU_{273} 11 17.5 242°.74 4°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.70	+33 11.9	1.872	2.703	14.0	18.7
10 28	3 52.00	+33 8.1	1.795	2.697	10.8	18.5
11 7	3 42.97	+32 45.9	1.740	2.691	7.4	18.3
11 17	3 32.61	+32 4.2	1.712	2.685	4.8	18.1
11 27	3 22.22	+31 5.6	1.713	2.678	5.4	18.2
12 7	3 13.11	+29 56.1	1.741	2.672	8.6	18.3
12 17	3 6.28	+28 43.4	1.796	2.665	12.1	18.5
12 27	3 2.36	+27 35.0	1.873	2.658	15.2	18.7

325575 2009 SQ_{132} 11 17.5 42°.58 1°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.65	+16 41.4	2.013	2.883	11.6	21.1
10 28	3 48.72	+16 24.1	1.953	2.888	8.1	20.9
11 7	3 41.08	+16 3.4	1.918	2.893	4.2	20.7
11 17	3 32.51	+15 41.7	1.911	2.898	1.1	20.5
11 27	3 24.00	+15 21.8	1.933	2.904	4.3	20.7
12 7	3 16.51	+15 7.0	1.984	2.909	8.1	21.0
12 17	3 10.78	+14 59.7	2.060	2.915	11.4	21.2
12 27	3 7.31	+15 1.8	2.159	2.921	14.2	21.4

205988 2002 NR_{67} 11 17.5 99°.99 1°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.26	+25 13.7	1.925	2.776	12.9	20.8
10 28	3 51.95	+25 3.5	1.873	2.796	9.2	20.6
11 7	3 42.74	+24 42.3	1.847	2.815	5.3	20.4
11 17	3 32.59	+24 11.1	1.848	2.834	1.8	20.2
11 27	3 22.67	+23 33.2	1.879	2.853	4.0	20.4
12 7	3 14.06	+22 53.4	1.939	2.871	7.8	20.7
12 17	3 7.54	+22 16.5	2.026	2.889	11.2	20.9
12 27	3 3.58	+21 46.8	2.135	2.906	14.1	21.2

353452 2011 RW_{2} 11 17.5 333°.39 8°.9/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.26	+40 38.4	1.683	2.485	16.6	20.9
10 28	3 55.15	+41 38.3	1.612	2.482	13.8	20.7
11 7	3 44.92	+42 15.0	1.562	2.478	11.0	20.5
11 17	3 32.72	+42 23.0	1.536	2.475	9.1	20.4
11 27	3 20.30	+42 0.9	1.536	2.472	9.2	20.4
12 7	3 9.46	+41 13.5	1.561	2.469	11.1	20.5
12 17	3 1.56	+40 9.8	1.610	2.467	13.9	20.7
12 27	2 57.40	+39 0.4	1.679	2.465	16.7	20.9

265911 2006 BM_{82} 11 17.5 301°.05 1°.9/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.94	+25 32.0	2.023	2.878	12.2	20.7
10 28	3 49.21	+25 24.4	1.937	2.861	8.9	20.4
11 7	3 41.49	+25 5.8	1.875	2.844	5.2	20.2
11 17	3 32.54	+24 36.8	1.841	2.827	2.0	19.9
11 27	3 23.45	+23 59.7	1.836	2.810	4.0	20.0
12 7	3 15.30	+23 19.1	1.860	2.793	7.9	20.2
12 17	3 9.01	+22 39.8	1.909	2.777	11.6	20.4
12 27	3 5.19	+22 6.7	1.981	2.761	14.7	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367562 2009 SU_{74}			11 17.5	92°.75	5°.3/13.5	18
	h m	° ′			°	m
10 18	3 52.65	+ 5 6.4	2.204	3.072	10.8	21.3
10 28	3 47.10	+ 3 48.9	2.155	3.081	8.1	21.2
11 7	3 40.14	+ 2 36.6	2.133	3.089	5.9	21.1
11 17	3 32.47	+ 1 34.5	2.140	3.097	5.5	21.1
11 27	3 24.93	+ 0 47.4	2.175	3.106	7.2	21.2
12 7	3 18.29	+ 0 18.0	2.237	3.114	9.8	21.4
12 17	3 13.17	+ 0 7.0	2.324	3.122	12.3	21.5
12 27	3 9.99	+ 0 13.3	2.430	3.130	14.4	21.7
9965 GNU			11 17.5	170°.81	6°.2/13.8	18 R
10 18	3 57.16	+ 3 22.5	1.952	2.815	12.2	18.7
10 28	3 50.41	+ 2 16.2	1.898	2.819	9.2	18.6
11 7	3 41.95	+ 1 16.9	1.870	2.822	6.8	18.4
11 17	3 32.57	+ 0 30.3	1.869	2.824	6.4	18.4
11 27	3 23.30	+ 0 0.9	1.897	2.826	8.2	18.5
12 7	3 15.10	− 0 8.9	1.952	2.828	11.0	18.7
12 17	3 8.71	+ 0 1.0	2.031	2.828	13.8	18.9
12 27	3 4.62	+ 0 28.8	2.129	2.828	16.2	19.1
299627 2006 JK_{54}			11 17.5	147°.68	1°.4/16.8	18
10 18	3 59.38	+14 39.1	2.207	3.067	11.1	21.3
10 28	3 51.87	+14 36.9	2.147	3.077	7.8	21.2
11 7	3 42.69	+14 33.4	2.113	3.087	4.1	20.9
11 17	3 32.62	+14 29.9	2.109	3.096	1.4	20.8
11 27	3 22.62	+14 28.7	2.136	3.104	4.2	21.0
12 7	3 13.63	+14 31.6	2.193	3.112	7.8	21.2
12 17	3 6.40	+14 40.6	2.276	3.119	10.9	21.4
12 27	3 1.41	+14 56.8	2.383	3.125	13.6	21.6
255311 2005 WC_{14}			11 17.5	303°.29	0°.0/17.6	18
10 18	3 54.72	+20 33.9	1.982	2.849	11.9	21.0
10 28	3 48.93	+20 13.6	1.909	2.842	8.4	20.8
11 7	3 41.28	+19 46.1	1.860	2.835	4.5	20.5
11 17	3 32.55	+19 13.2	1.840	2.829	0.2	20.1
11 27	3 23.79	+18 38.3	1.848	2.822	4.0	20.5
12 7	3 16.02	+18 5.6	1.885	2.816	8.1	20.7
12 17	3 10.07	+17 39.0	1.948	2.809	11.7	20.9
12 27	3 6.50	+17 21.6	2.033	2.803	14.7	21.1
286852 2002 NT_{67}			11 17.5	165°.44	1°.3/16.6	18
10 18	3 56.28	+17 46.9	2.251	3.113	10.8	20.7
10 28	3 49.67	+16 50.3	2.186	3.119	7.6	20.5
11 7	3 41.52	+15 48.3	2.148	3.123	4.0	20.3
11 17	3 32.56	+14 44.3	2.140	3.127	1.4	20.1
11 27	3 23.72	+13 42.9	2.163	3.131	4.3	20.3
12 7	3 15.86	+12 48.7	2.216	3.133	7.8	20.6
12 17	3 9.66	+12 5.2	2.295	3.136	10.9	20.8
12 27	3 5.57	+11 34.6	2.397	3.137	13.6	21.0
262358 2006 TE_{81}			11 17.5	81°.16	1°.2/18.2	18
10 18	3 59.62	+24 42.2	1.377	2.246	15.9	20.5
10 28	3 52.76	+24 3.8	1.326	2.258	11.4	20.3
11 7	3 43.35	+23 10.6	1.297	2.270	6.3	20.0
11 17	3 32.66	+22 5.5	1.294	2.282	1.4	19.7
11 27	3 22.25	+20 55.0	1.319	2.294	5.0	20.0
12 7	3 13.57	+19 47.3	1.370	2.306	9.9	20.3
12 17	3 7.60	+18 49.6	1.445	2.317	14.3	20.6
12 27	3 4.84	+18 6.9	1.540	2.329	17.8	20.9
409115 2003 TR_{46}			11 17.5	20°.08	6°.1/20.8	17
10 18	3 59.45	+36 23.4	2.123	2.933	13.3	20.2
10 28	3 52.49	+37 12.2	2.053	2.935	10.7	20.1
11 7	3 43.26	+37 44.4	2.007	2.937	8.1	19.9
11 17	3 32.66	+37 57.1	1.987	2.940	6.3	19.8
11 27	3 21.94	+37 49.9	1.995	2.942	6.6	19.8
12 7	3 12.37	+37 26.1	2.031	2.945	8.6	20.0
12 17	3 4.94	+36 51.5	2.092	2.948	11.2	20.1
12 27	3 0.33	+36 12.8	2.176	2.951	13.7	20.3
40045 1998 KZ_{33}			11 17.5	43°.16	2°.3/16.9	18
10 18	4 2.06	+11 57.6	1.316	2.196	15.8	17.9
10 28	3 54.38	+12 28.8	1.278	2.216	11.1	17.7
11 7	3 44.17	+13 2.6	1.262	2.237	6.0	17.4
11 17	3 32.70	+13 39.4	1.273	2.259	2.3	17.3
11 27	3 21.54	+14 19.8	1.311	2.281	5.9	17.5
12 7	3 12.13	+15 4.1	1.375	2.304	10.6	17.9
12 17	3 5.46	+15 53.0	1.463	2.327	14.7	18.2
12 27	3 2.03	+16 46.7	1.572	2.350	18.0	18.5
485026 2009 WK_{89}			11 17.5	23°.41	3°.6/15.9	18
10 18	3 55.02	+ 9 21.6	1.819	2.695	12.3	19.9
10 28	3 49.06	+ 9 11.0	1.766	2.701	8.8	19.7
11 7	3 41.29	+ 9 4.1	1.738	2.709	5.3	19.5
11 17	3 32.56	+ 9 3.6	1.737	2.716	3.6	19.4
11 27	3 23.91	+ 9 12.0	1.764	2.724	5.9	19.6
12 7	3 16.36	+ 9 30.9	1.819	2.733	9.4	19.8
12 17	3 10.69	+10 0.5	1.898	2.742	12.7	20.0
12 27	3 7.39	+10 40.4	1.998	2.752	15.5	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
456609 2007 FR_{35}			11 17.5	149°.88	9°.0/10.0	18
	h m	° ′			°	m
10 18	3 53.30	−15 36.2	2.907	3.698	10.6	21.6
10 28	3 47.30	−16 36.1	2.874	3.706	9.5	21.6
11 7	3 40.18	−17 19.4	2.865	3.714	9.0	21.5
11 17	3 32.50	−17 42.5	2.882	3.722	9.1	21.6
11 27	3 24.94	−17 43.2	2.923	3.729	9.9	21.6
12 7	3 18.12	−17 21.6	2.988	3.736	11.0	21.7
12 17	3 12.54	−16 39.8	3.075	3.742	12.2	21.8
12 27	3 8.58	−15 40.9	3.179	3.748	13.3	22.0
360623 2004 DS_{57}			11 17.5	340°.24	1°.4/16.9	17
10 18	3 54.32	+17 4.7	1.370	2.257	14.8	20.6
10 28	3 49.28	+16 46.6	1.302	2.245	10.5	20.3
11 7	3 41.71	+16 23.2	1.257	2.234	5.6	20.0
11 17	3 32.60	+15 57.7	1.236	2.224	1.4	19.7
11 27	3 23.36	+15 34.4	1.242	2.215	5.6	20.0
12 7	3 15.43	+15 18.2	1.273	2.207	10.7	20.2
12 17	3 9.94	+15 12.9	1.327	2.200	15.3	20.5
12 27	3 7.58	+15 21.0	1.399	2.194	19.0	20.7
451259 2010 LX_{91}			11 17.5	322°.90	1°.6/18.4	18
10 18	3 56.93	+24 3.9	1.882	2.740	12.8	21.0
10 28	3 50.60	+24 5.5	1.812	2.739	9.2	20.8
11 7	3 42.21	+23 57.3	1.767	2.737	5.2	20.6
11 17	3 32.63	+23 39.8	1.749	2.735	1.7	20.3
11 27	3 23.02	+23 15.5	1.760	2.734	4.1	20.5
12 7	3 14.53	+22 48.4	1.799	2.732	8.2	20.7
12 17	3 8.07	+22 23.0	1.864	2.731	11.8	21.0
12 27	3 4.23	+22 3.7	1.951	2.729	15.0	21.2
305740 2009 CC_{57}			11 17.6	59°.87	3°.1/15.9	18
10 18	3 55.73	+12 33.1	1.719	2.596	12.8	20.4
10 28	3 49.65	+11 52.0	1.664	2.602	9.1	20.2
11 7	3 41.64	+11 10.6	1.634	2.607	5.2	20.0
11 17	3 32.61	+10 32.9	1.631	2.613	3.2	19.9
11 27	3 23.69	+10 3.5	1.656	2.619	6.0	20.1
12 7	3 15.96	+ 9 46.0	1.708	2.624	9.8	20.3
12 17	3 10.24	+ 9 42.3	1.784	2.630	13.3	20.5
12 27	3 7.03	+ 9 52.9	1.882	2.636	16.3	20.8
222172 2000 AM_{215}			11 17.6	9°.84	3°.0/16.0	18
10 18	3 53.90	+11 52.1	1.768	2.647	12.5	19.9
10 28	3 48.38	+11 27.4	1.710	2.649	8.8	19.7
11 7	3 40.99	+11 3.5	1.678	2.651	5.1	19.5
11 17	3 32.58	+10 43.9	1.672	2.654	3.1	19.3
11 27	3 24.22	+10 31.9	1.694	2.657	5.7	19.5
12 7	3 16.96	+10 30.4	1.742	2.661	9.5	19.8
12 17	3 11.59	+10 40.7	1.816	2.666	12.9	20.0
12 27	3 8.64	+11 3.2	1.910	2.671	15.9	20.2
376747 1999 US_{11}			11 17.6	67°.59	0°.0/17.6	17
10 18	4 3.28	+20 2.3	1.256	2.131	16.7	20.6
10 28	3 55.21	+19 53.7	1.223	2.160	11.7	20.4
11 7	3 44.57	+19 36.7	1.213	2.189	6.1	20.2
11 17	3 32.76	+19 13.3	1.229	2.217	0.3	19.9
11 27	3 21.50	+18 48.1	1.271	2.246	5.3	20.3
12 7	3 12.24	+18 26.3	1.340	2.274	10.3	20.7
12 17	3 5.93	+18 12.6	1.432	2.302	14.6	21.0
12 27	3 2.97	+18 9.8	1.545	2.330	18.0	21.3
447233 2005 UL_{127}			11 17.6	172°.12	0°.6/17.9	18
10 18	3 55.94	+21 46.2	2.109	2.968	11.6	21.6
10 28	3 49.69	+21 38.7	2.040	2.969	8.2	21.4
11 7	3 41.66	+21 23.9	1.996	2.969	4.4	21.2
11 17	3 32.62	+21 3.0	1.981	2.970	0.7	20.9
11 27	3 23.60	+20 38.4	1.996	2.970	3.7	21.1
12 7	3 15.57	+20 13.9	2.039	2.970	7.5	21.4
12 17	3 9.31	+19 52.9	2.109	2.970	10.9	21.6
12 27	3 5.35	+19 38.6	2.202	2.970	13.8	21.8
97243 1999 XG_{90}			11 17.6	339°.05	4°.3/15.5	18
10 18	3 54.73	+ 7 16.7	1.974	2.845	11.7	19.2
10 28	3 48.84	+ 6 57.0	1.910	2.841	8.5	19.0
11 7	3 41.21	+ 6 42.1	1.871	2.837	5.5	18.8
11 17	3 32.60	+ 6 35.2	1.860	2.834	4.3	18.7
11 27	3 23.99	+ 6 39.1	1.877	2.830	6.4	18.8
12 7	3 16.33	+ 6 55.5	1.922	2.827	9.6	19.0
12 17	3 10.39	+ 7 24.7	1.992	2.825	12.7	19.2
12 27	3 6.70	+ 8 5.9	2.082	2.822	15.4	19.4
30951 1994 PL_{13}			11 17.6	250°.93	5°.2/19.8	18
10 18	4 2.14	+31 7.6	1.329	2.181	17.4	18.6
10 28	3 55.13	+31 25.0	1.264	2.180	13.3	18.4
11 7	3 44.93	+31 21.8	1.220	2.178	8.8	18.1
11 17	3 32.81	+30 55.4	1.200	2.177	5.4	17.9
11 27	3 20.65	+30 8.3	1.206	2.175	6.6	18.0
12 7	3 10.28	+29 8.1	1.238	2.173	10.8	18.2
12 17	3 3.05	+28 4.8	1.293	2.172	15.2	18.5
12 27	2 59.65	+27 7.7	1.368	2.170	19.0	18.7

300724 2007 VP_{125} 11 17.6 312.°45 2.°8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.10	+16 12.3	1.605	2.486	13.4	20.3
10 28	3 48.78	+14 53.0	1.533	2.474	9.4	20.0
11 7	3 41.31	+13 26.1	1.487	2.463	5.2	19.7
11 17	3 32.62	+11 58.0	1.467	2.452	2.8	19.6
11 27	3 23.92	+10 36.2	1.476	2.441	6.2	19.8
12 7	3 16.38	+ 9 28.1	1.511	2.430	10.6	20.0
12 17	3 10.94	+ 8 38.5	1.570	2.420	14.6	20.2
12 27	3 8.19	+ 8 9.6	1.649	2.410	18.0	20.4

330194 2006 DD_{90} 11 17.6 302.°86 4.°2/14.7 17

10 18	3 52.56	+ 8 6.4	2.183	3.055	10.7	21.4
10 28	3 47.18	+ 7 11.6	2.120	3.051	7.8	21.2
11 7	3 40.29	+ 6 19.2	2.083	3.048	5.1	21.0
11 17	3 32.57	+ 5 33.7	2.074	3.044	4.3	21.0
11 27	3 24.88	+ 4 59.2	2.093	3.040	6.3	21.1
12 7	3 18.04	+ 4 38.6	2.141	3.037	9.2	21.3
12 17	3 12.72	+ 4 33.2	2.213	3.034	12.0	21.5
12 27	3 9.40	+ 4 42.9	2.306	3.030	14.5	21.6

264623 2001 VT_{64} 11 17.6 65.°26 3.°4/18.9 18

10 18	4 1.98	+26 48.4	1.434	2.293	16.0	19.4
10 28	3 54.54	+27 16.4	1.384	2.307	11.8	19.1
11 7	3 44.40	+27 30.1	1.356	2.322	7.2	18.9
11 17	3 32.79	+27 28.0	1.355	2.337	3.6	18.7
11 27	3 21.35	+27 12.1	1.380	2.352	5.4	18.9
12 7	3 11.64	+26 47.8	1.432	2.367	9.7	19.2
12 17	3 4.73	+26 21.7	1.508	2.382	13.7	19.5
12 27	3 1.20	+26 0.0	1.605	2.397	17.1	19.7

266653 2008 TS_{30} 11 17.6 143.°67 0.°3/17.3 18

10 18	3 53.62	+19 9.7	2.716	3.574	9.3	21.2
10 28	3 47.69	+18 49.3	2.651	3.581	6.5	21.0
11 7	3 40.48	+18 24.6	2.614	3.588	3.4	20.8
11 17	3 32.58	+17 57.1	2.606	3.594	0.3	20.5
11 27	3 24.75	+17 29.3	2.628	3.600	3.2	20.8
12 7	3 17.68	+17 3.8	2.681	3.606	6.3	21.0
12 17	3 11.96	+16 43.3	2.762	3.612	9.0	21.2
12 27	3 8.00	+16 29.8	2.867	3.617	11.3	21.4

456010 2005 YS_{58} 11 17.6 336.°73 6.°5/13.9 18

10 18	3 53.51	+ 2 22.8	1.878	2.747	12.3	21.1
10 28	3 48.03	+ 1 34.3	1.819	2.742	9.4	20.9
11 7	3 40.80	+ 0 54.3	1.784	2.737	7.1	20.8
11 17	3 32.60	+ 0 27.9	1.776	2.732	6.6	20.7
11 27	3 24.41	+ 0 19.2	1.795	2.727	8.4	20.8
12 7	3 17.20	+ 0 29.9	1.840	2.723	11.2	21.0
12 17	3 11.74	+ 0 59.6	1.908	2.719	14.1	21.2
12 27	3 8.55	+ 1 46.2	1.996	2.716	16.5	21.4

281943 2011 FM_{154} 11 17.6 157.°04 1.°0/16.9 18

10 18	3 58.61	+17 58.7	1.942	2.806	12.2	22.2
10 28	3 51.55	+17 26.9	1.880	2.813	8.5	22.0
11 7	3 42.62	+16 49.6	1.844	2.819	4.5	21.8
11 17	3 32.70	+16 9.7	1.837	2.825	1.0	21.5
11 27	3 22.88	+15 31.1	1.860	2.830	4.5	21.8
12 7	3 14.23	+14 57.9	1.911	2.835	8.5	22.1
12 17	3 7.52	+14 33.8	1.989	2.838	12.0	22.3
12 27	3 3.28	+14 20.9	2.088	2.842	14.9	22.5

136004 2002 VR_{55} 11 17.6 53.°92 1.°1/18.1 18

10 18	3 57.89	+23 13.5	1.568	2.435	14.4	19.7
10 28	3 51.30	+23 0.4	1.522	2.454	10.2	19.5
11 7	3 42.54	+22 36.7	1.500	2.473	5.6	19.3
11 17	3 32.70	+22 4.2	1.505	2.493	1.3	19.0
11 27	3 23.13	+21 27.0	1.538	2.513	4.4	19.3
12 7	3 15.05	+20 50.4	1.598	2.533	8.8	19.6
12 17	3 9.34	+20 19.5	1.682	2.553	12.7	19.9
12 27	3 6.46	+19 58.0	1.788	2.573	15.9	20.2

258020 2001 FQ_{141} 11 17.6 191.°92 1.°1/18.3 17

10 18	3 55.44	+23 17.7	2.696	3.543	9.7	20.9
10 28	3 49.08	+23 18.4	2.620	3.542	7.0	20.8
11 7	3 41.27	+23 12.5	2.571	3.540	3.9	20.6
11 17	3 32.64	+23 0.4	2.551	3.538	1.1	20.3
11 27	3 23.98	+22 43.7	2.563	3.536	3.1	20.5
12 7	3 16.08	+22 25.0	2.604	3.533	6.2	20.7
12 17	3 9.61	+22 7.2	2.674	3.530	9.1	20.9
12 27	3 5.03	+21 53.2	2.768	3.526	11.5	21.1

197083 2003 UY_{178} 11 17.6 131.°68 2.°0/16.0 18

10 18	3 53.03	+14 32.8	2.406	3.274	10.0	20.0
10 28	3 47.38	+13 45.4	2.345	3.279	7.0	19.8
11 7	3 40.34	+12 55.8	2.310	3.284	3.8	19.7
11 17	3 32.59	+12 7.2	2.305	3.288	2.1	19.5
11 27	3 24.92	+11 23.5	2.330	3.293	4.4	19.7
12 7	3 18.09	+10 48.0	2.384	3.297	7.5	19.9
12 17	3 12.71	+10 22.9	2.464	3.302	10.4	20.1
12 27	3 9.21	+10 9.7	2.567	3.306	12.8	20.3

316244 2010 OL_{32} 11 17.6 68.°90 3.°6/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.70	+ 9 5.5	1.860	2.730	12.4	20.3
10 28	3 50.83	+ 8 55.7	1.814	2.747	8.8	20.1
11 7	3 42.20	+ 8 49.8	1.794	2.764	5.3	19.9
11 17	3 32.69	+ 8 50.2	1.802	2.781	3.6	19.8
11 27	3 23.37	+ 8 59.3	1.839	2.798	5.9	20.0
12 7	3 15.24	+ 9 18.3	1.904	2.815	9.3	20.3
12 17	3 9.03	+ 9 47.5	1.993	2.832	12.4	20.5
12 27	3 5.21	+10 26.4	2.105	2.849	15.1	20.7

243457 2009 JA_{18} 11 17.6 111.°76 1.°1/16.9 18

10 18	3 55.38	+17 57.8	1.939	2.809	12.0	20.7
10 28	3 49.32	+17 19.1	1.877	2.812	8.4	20.5
11 7	3 41.46	+16 34.9	1.840	2.816	4.4	20.3
11 17	3 32.66	+15 48.4	1.832	2.820	1.1	20.0
11 27	3 23.93	+15 3.9	1.853	2.823	4.5	20.3
12 7	3 16.29	+14 25.7	1.901	2.826	8.4	20.5
12 17	3 10.49	+13 57.5	1.976	2.830	11.9	20.8
12 27	3 7.05	+13 41.3	2.073	2.833	14.8	21.0

261757 2006 BG_{43} 11 17.6 202.°85 3.°8/15.1 17

10 18	3 53.77	+ 6 57.3	2.512	3.376	9.8	20.9
10 28	3 47.87	+ 6 26.2	2.447	3.373	7.2	20.7
11 7	3 40.62	+ 5 58.7	2.408	3.370	4.7	20.6
11 17	3 32.62	+ 5 37.8	2.398	3.367	3.9	20.5
11 27	3 24.63	+ 5 26.2	2.417	3.364	5.6	20.6
12 7	3 17.39	+ 5 25.9	2.466	3.361	8.2	20.8
12 17	3 11.52	+ 5 37.4	2.540	3.357	10.8	20.9
12 27	3 7.47	+ 6 0.5	2.637	3.353	13.0	21.1

367411 2008 RB_{3} 11 17.6 155.°92 6.°7/11.6 18

10 18	3 52.00	− 2 41.5	2.659	3.507	9.8	21.1
10 28	3 46.52	− 4 2.0	2.612	3.512	8.0	21.0
11 7	3 39.85	− 5 13.3	2.592	3.516	6.8	20.9
11 17	3 32.58	− 6 10.5	2.600	3.520	6.9	20.9
11 27	3 25.37	− 6 49.9	2.636	3.524	8.1	21.0
12 7	3 18.90	− 7 10.0	2.698	3.528	9.9	21.1
12 17	3 13.68	− 7 10.9	2.784	3.531	11.7	21.3
12 27	3 10.12	− 6 54.3	2.889	3.534	13.3	21.4

38036 1998 RE_{1} 11 17.6 93.°44 6.°8/22.1 18

10 18	4 1.80	+40 42.8	2.320	3.101	13.2	18.7
10 28	3 53.99	+41 26.5	2.260	3.117	10.9	18.5
11 7	3 44.00	+41 51.2	2.224	3.133	8.6	18.4
11 17	3 32.80	+41 53.9	2.214	3.148	7.0	18.3
11 27	3 21.64	+41 35.1	2.232	3.164	7.0	18.4
12 7	3 11.75	+40 58.4	2.278	3.179	8.5	18.5
12 17	3 4.06	+40 10.0	2.350	3.194	10.6	18.6
12 27	2 59.14	+39 17.0	2.445	3.209	12.7	18.8

209950 2006 FH_{18} 11 17.6 191.°65 0.°3/17.5 18

10 18	4 1.49	+19 38.2	1.503	2.373	14.8	21.5
10 28	3 54.15	+19 23.1	1.437	2.372	10.5	21.2
11 7	3 44.23	+19 0.0	1.396	2.371	5.6	20.9
11 17	3 32.82	+18 30.9	1.380	2.369	0.4	20.6
11 27	3 21.41	+17 59.8	1.394	2.367	5.1	20.9
12 7	3 11.45	+17 31.8	1.434	2.364	10.1	21.2
12 17	3 4.04	+17 11.9	1.498	2.361	14.4	21.5
12 27	2 59.82	+17 3.5	1.583	2.358	18.0	21.7

222888 2002 GY_{92} 11 17.6 78.°00 5.°9/12.9 18

10 18	3 54.26	+ 4 12.3	2.185	3.050	11.0	19.8
10 28	3 48.12	+ 2 29.7	2.154	3.075	8.3	19.7
11 7	3 40.66	+ 0 54.0	2.151	3.101	6.3	19.6
11 17	3 32.63	− 0 28.6	2.176	3.126	6.0	19.6
11 27	3 24.85	− 1 33.1	2.231	3.151	7.7	19.8
12 7	3 18.09	− 2 17.0	2.313	3.176	10.1	20.0
12 17	3 12.90	− 2 39.9	2.420	3.200	12.4	20.2
12 27	3 9.65	− 2 43.4	2.546	3.225	14.3	20.4

303181 2004 FN_{63} 11 17.6 290.°39 4.°4/19.3 17

10 18	4 0.60	+29 31.2	1.844	2.685	13.8	20.7
10 28	3 53.64	+30 18.4	1.759	2.670	10.6	20.4
11 7	3 44.09	+30 53.5	1.698	2.654	7.1	20.2
11 17	3 32.83	+31 13.4	1.664	2.639	4.6	20.0
11 27	3 21.21	+31 17.2	1.659	2.623	5.7	20.0
12 7	3 10.65	+31 7.9	1.681	2.608	9.1	20.2
12 17	3 2.36	+30 50.6	1.728	2.593	12.7	20.4
12 27	2 57.14	+30 31.8	1.797	2.578	16.0	20.6

54244 2000 JR_{20} 11 17.6 275.°26 3.°5/19.2 18

10 18	3 59.91	+28 23.7	1.590	2.443	15.0	19.5
10 28	3 53.32	+28 29.7	1.506	2.426	11.3	19.2
11 7	3 43.96	+28 20.0	1.444	2.408	7.1	18.9
11 17	3 32.82	+27 53.3	1.409	2.390	3.7	18.7
11 27	3 21.40	+27 11.5	1.401	2.373	5.4	18.7
12 7	3 11.26	+26 20.5	1.420	2.355	9.8	19.0
12 17	3 3.66	+25 28.0	1.463	2.336	14.1	19.2
12 27	2 59.39	+24 41.6	1.528	2.318	17.9	19.4

101204 1998 SV_{42} 11 17.6 74°.21 3°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.53	+13 16.7	1.376	2.256	15.3	19.8
10 28	3 53.14	+12 38.8	1.341	2.280	10.7	19.6
11 7	3 43.49	+12 0.5	1.329	2.303	5.9	19.4
11 17	3 32.80	+11 26.6	1.343	2.327	3.2	19.3
11 27	3 22.53	+11 1.7	1.385	2.350	6.5	19.6
12 7	3 13.95	+10 49.6	1.452	2.373	10.8	19.9
12 17	3 7.93	+10 51.9	1.544	2.396	14.7	20.2
12 27	3 4.91	+11 8.7	1.654	2.419	17.8	20.4

444958 2008 DS_{8} 11 17.6 333°.77 8°.1/22.1 17

10 18	3 59.52	+40 0.6	1.708	2.516	16.2	20.6
10 28	3 53.11	+40 36.0	1.634	2.510	13.3	20.4
11 7	3 43.84	+40 48.0	1.582	2.504	10.4	20.3
11 17	3 32.83	+40 32.4	1.553	2.499	8.4	20.1
11 27	3 21.70	+39 49.2	1.549	2.493	8.4	20.1
12 7	3 12.07	+38 44.2	1.572	2.489	10.4	20.2
12 17	3 5.18	+37 26.3	1.618	2.484	13.4	20.4
12 27	3 1.74	+36 5.7	1.687	2.480	16.3	20.6

114262 2002 XH 11 17.6 65°.04 6°.2/14.4 18

10 18	3 55.90	+ 4 15.9	1.695	2.568	13.2	19.2
10 28	3 49.65	+ 3 20.4	1.656	2.584	9.9	19.0
11 7	3 41.62	+ 2 33.2	1.642	2.600	7.1	18.9
11 17	3 32.71	+ 1 59.7	1.654	2.616	6.3	18.9
11 27	3 24.03	+ 1 44.0	1.693	2.632	8.3	19.0
12 7	3 16.60	+ 1 47.8	1.758	2.648	11.3	19.2
12 17	3 11.15	+ 2 10.3	1.846	2.664	14.2	19.5
12 27	3 8.13	+ 2 49.4	1.954	2.680	16.7	19.7

401179 2011 WA_{98} 11 17.6 34°.93 3°.8/16.2 18

10 18	3 57.60	+ 9 44.9	1.462	2.343	14.4	20.6
10 28	3 51.17	+ 9 37.8	1.418	2.356	10.3	20.4
11 7	3 42.53	+ 9 35.0	1.397	2.369	6.1	20.2
11 17	3 32.76	+ 9 39.4	1.402	2.383	3.9	20.1
11 27	3 23.19	+ 9 53.6	1.434	2.398	6.6	20.3
12 7	3 15.05	+10 19.0	1.493	2.413	10.6	20.6
12 17	3 9.24	+10 55.7	1.574	2.428	14.4	20.8
12 27	3 6.27	+11 42.7	1.677	2.445	17.5	21.1

273604 2007 CA_{63} 11 17.6 261°.97 0°.4/17.4 18

10 18	3 58.48	+19 52.7	1.654	2.523	13.7	21.6
10 28	3 52.02	+19 25.0	1.573	2.507	9.7	21.3
11 7	3 43.16	+18 48.7	1.516	2.492	5.2	21.0
11 17	3 32.82	+18 5.9	1.487	2.476	0.4	20.6
11 27	3 22.30	+17 21.2	1.486	2.459	4.9	20.9
12 7	3 12.95	+16 40.0	1.513	2.442	9.7	21.2
12 17	3 5.83	+16 7.7	1.564	2.425	14.0	21.4
12 27	3 1.65	+15 48.2	1.636	2.408	17.6	21.6

27307 2000 AC_{220} 11 17.6 169°.29 0°.3/17.4 18

10 18	4 0.08	+19 29.1	1.902	2.763	12.6	19.8
10 28	3 52.70	+19 10.3	1.837	2.767	8.9	19.6
11 7	3 43.31	+18 45.0	1.797	2.771	4.7	19.4
11 17	3 32.82	+18 14.9	1.786	2.774	0.4	19.1
11 27	3 22.39	+17 43.5	1.804	2.777	4.3	19.4
12 7	3 13.15	+17 15.1	1.852	2.778	8.5	19.6
12 17	3 5.95	+16 53.3	1.925	2.779	12.1	19.9
12 27	3 1.34	+16 41.2	2.021	2.780	15.2	20.1

7287 Yokokurayama 11 17.6 340°.34 10°.3/12.1 18

10 18	3 51.72	− 2 58.6	1.443	2.317	15.0	16.8
10 28	3 47.27	− 4 15.9	1.385	2.301	12.4	16.6
11 7	3 40.62	− 5 18.0	1.348	2.285	10.6	16.4
11 17	3 32.68	− 5 56.2	1.335	2.271	10.6	16.4
11 27	3 24.67	− 6 4.1	1.346	2.257	12.4	16.5
12 7	3 17.80	− 5 39.9	1.378	2.245	15.3	16.6
12 17	3 13.04	− 4 45.9	1.431	2.235	18.3	16.8
12 27	3 11.02	− 3 26.9	1.500	2.225	20.9	16.9

272571 2005 US_{514} 11 17.6 72°.29 3°.3/15.7 18

10 18	3 54.76	+11 29.8	1.937	2.811	11.8	20.5
10 28	3 48.83	+10 47.5	1.883	2.818	8.3	20.3
11 7	3 41.21	+10 5.9	1.854	2.825	4.9	20.1
11 17	3 32.71	+ 9 28.7	1.853	2.833	3.3	20.0
11 27	3 24.32	+ 9 0.1	1.880	2.840	5.7	20.2
12 7	3 16.99	+ 8 43.0	1.936	2.847	9.1	20.4
12 17	3 11.42	+ 8 39.2	2.016	2.854	12.3	20.6
12 27	3 8.11	+ 8 49.0	2.117	2.862	15.0	20.8

186771 2004 DQ_{18} 11 17.6 154°.41 4°.6/15.3 18

10 18	3 58.30	+ 9 20.7	1.647	2.522	13.5	20.0
10 28	3 51.55	+ 8 28.4	1.592	2.526	9.7	19.8
11 7	3 42.73	+ 7 38.6	1.562	2.530	6.1	19.6
11 17	3 32.81	+ 6 56.4	1.558	2.534	4.7	19.5
11 27	3 23.00	+ 6 26.9	1.583	2.537	7.2	19.6
12 7	3 14.47	+ 6 13.5	1.635	2.540	10.9	19.9
12 17	3 8.07	+ 6 17.4	1.710	2.543	14.4	20.1
12 27	3 4.35	+ 6 38.1	1.805	2.545	17.4	20.3

397307 2006 SC_{246} 11 17.6 183°.85 4°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.72	+ 7 25.3	2.025	2.895	11.5	21.3
10 28	3 48.78	+ 6 17.8	1.966	2.895	8.4	21.2
11 7	3 41.19	+ 5 13.4	1.933	2.895	5.7	21.0
11 17	3 32.73	+ 4 17.2	1.928	2.895	5.0	21.0
11 27	3 24.34	+ 3 34.2	1.952	2.894	7.0	21.1
12 7	3 16.91	+ 3 7.7	2.003	2.894	10.0	21.3
12 17	3 11.17	+ 2 58.9	2.078	2.893	12.9	21.5
12 27	3 7.60	+ 3 7.4	2.174	2.891	15.4	21.6

475289 2005 XB_{2} 11 17.6 27°.24 1°.3/18.2 16

10 18	3 55.91	+24 52.3	1.116	2.001	17.6	20.6
10 28	3 50.58	+24 9.4	1.072	2.012	12.6	20.3
11 7	3 42.41	+23 9.4	1.049	2.024	6.9	20.1
11 17	3 32.79	+21 56.6	1.049	2.037	1.5	19.7
11 27	3 23.50	+20 39.0	1.074	2.051	5.4	20.1
12 7	3 16.13	+19 26.6	1.124	2.066	10.9	20.4
12 17	3 11.69	+18 27.2	1.196	2.082	15.6	20.7
12 27	3 10.67	+17 45.7	1.287	2.099	19.4	21.0

63914 2001 SP_{33} 11 17.6 288°.54 1°.3/16.9 18

10 18	3 57.27	+17 52.9	1.512	2.389	14.3	19.3
10 28	3 51.29	+17 20.3	1.437	2.375	10.1	19.0
11 7	3 42.82	+16 40.6	1.385	2.361	5.4	18.7
11 17	3 32.83	+15 56.9	1.359	2.347	1.3	18.4
11 27	3 22.69	+15 14.5	1.361	2.333	5.5	18.7
12 7	3 13.78	+14 39.0	1.389	2.319	10.4	18.9
12 17	3 7.22	+14 15.3	1.441	2.305	14.9	19.1
12 27	3 3.70	+14 6.3	1.513	2.291	18.6	19.4

220400 2003 RF_{20} 11 17.6 338°.01 8°.1/12.6 17

10 18	3 50.09	+ 3 5.5	1.491	2.377	13.9	18.7
10 28	3 46.14	+ 1 37.0	1.423	2.355	10.8	18.5
11 7	3 40.06	+ 0 15.2	1.378	2.333	8.5	18.3
11 17	3 32.69	− 0 51.3	1.358	2.313	8.3	18.3
11 27	3 25.18	− 1 34.5	1.363	2.293	10.6	18.3
12 7	3 18.72	− 1 50.2	1.390	2.275	14.0	18.5
12 17	3 14.26	− 1 37.5	1.439	2.259	17.3	18.7
12 27	3 12.47	− 0 59.1	1.504	2.244	20.3	18.9

396896 2004 XO_{56} 11 17.6 241°.78 2°.1/18.7 18

10 18	3 58.49	+25 58.5	1.922	2.773	12.9	21.5
10 28	3 51.82	+25 52.2	1.841	2.763	9.4	21.3
11 7	3 42.99	+25 34.1	1.785	2.753	5.6	21.0
11 17	3 32.85	+25 4.2	1.757	2.742	2.2	20.8
11 27	3 22.62	+24 25.3	1.758	2.731	4.2	20.9
12 7	3 13.47	+23 42.0	1.788	2.720	8.3	21.1
12 17	3 6.38	+23 0.1	1.843	2.709	12.0	21.3
12 27	3 1.98	+22 24.6	1.921	2.697	15.3	21.5

215963 2005 PK_{18} 11 17.6 47°.98 7°.4/14.9 18

10 18	3 57.78	− 0 22.5	1.674	2.537	13.9	19.5
10 28	3 51.02	− 0 43.7	1.634	2.551	10.8	19.4
11 7	3 42.38	− 0 51.4	1.618	2.566	8.2	19.3
11 17	3 32.81	− 0 41.5	1.628	2.581	7.4	19.3
11 27	3 23.48	− 0 12.0	1.665	2.596	9.0	19.4
12 7	3 15.43	+ 0 36.5	1.728	2.611	11.8	19.6
12 17	3 9.44	+ 1 41.5	1.814	2.627	14.6	19.8
12 27	3 5.98	+ 2 59.3	1.920	2.643	17.0	20.0

149717 2004 JP_{19} 11 17.6 177°.84 0°.6/17.9 18

10 18	3 59.95	+21 55.2	1.869	2.727	12.9	21.6
10 28	3 52.71	+21 40.6	1.801	2.729	9.2	21.4
11 7	3 43.38	+21 17.2	1.758	2.731	5.0	21.1
11 17	3 32.88	+20 46.4	1.743	2.731	0.7	20.8
11 27	3 22.40	+20 11.5	1.758	2.732	4.2	21.1
12 7	3 13.13	+19 36.9	1.801	2.731	8.4	21.3
12 17	3 5.96	+19 7.4	1.871	2.730	12.2	21.6
12 27	3 1.46	+18 46.7	1.963	2.729	15.3	21.8

513617 2011 HS_{68} 11 17.6 268°.44 1°.9/16.7 18

10 18	3 58.43	+15 57.2	1.593	2.468	13.8	21.9
10 28	3 52.03	+15 29.2	1.515	2.453	9.8	21.6
11 7	3 43.20	+14 56.7	1.461	2.437	5.3	21.3
11 17	3 32.87	+14 22.7	1.435	2.421	1.9	21.0
11 27	3 22.36	+13 51.8	1.436	2.406	5.6	21.2
12 7	3 13.02	+13 28.8	1.464	2.389	10.4	21.5
12 17	3 5.93	+13 17.4	1.516	2.373	14.7	21.7
12 27	3 1.79	+13 20.1	1.589	2.357	18.3	21.9

223324 2003 QG_{46} 11 17.6 26°.94 1°.5/16.8 18

10 18	3 54.07	+16 24.5	1.761	2.638	12.6	19.6
10 28	3 48.52	+15 57.9	1.708	2.647	8.8	19.4
11 7	3 41.12	+15 27.8	1.680	2.656	4.6	19.1
11 17	3 32.75	+14 57.3	1.679	2.666	1.5	19.0
11 27	3 24.49	+14 30.2	1.706	2.676	4.8	19.2
12 7	3 17.40	+14 10.2	1.760	2.687	8.8	19.5
12 17	3 12.23	+14 0.0	1.839	2.698	12.4	19.7
12 27	3 9.50	+14 1.3	1.939	2.710	15.3	19.9

156882 2003 EH_3 11 17.6 292°.28 0°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.73	+20 51.5	1.488	2.361	14.7	20.5
10 28	3 52.43	+20 48.7	1.414	2.349	10.6	20.2
11 7	3 43.48	+20 37.5	1.362	2.337	5.7	19.9
11 17	3 32.89	+20 18.6	1.337	2.325	0.6	19.5
11 27	3 22.11	+19 55.3	1.339	2.314	5.0	19.8
12 7	3 12.62	+19 32.4	1.367	2.302	10.1	20.0
12 17	3 5.61	+19 15.0	1.420	2.291	14.6	20.3
12 27	3 1.81	+19 7.4	1.492	2.279	18.4	20.5

483473 2002 NT_5 11 17.6 93°.09 2°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.86	+29 39.6	2.374	3.209	11.3	21.1
10 28	3 49.49	+29 27.1	2.314	3.223	8.4	20.9
11 7	3 41.54	+29 2.3	2.279	3.237	5.3	20.8
11 17	3 32.78	+28 25.8	2.272	3.251	2.9	20.6
11 27	3 24.15	+27 40.2	2.295	3.265	3.8	20.7
12 7	3 16.56	+26 50.0	2.347	3.278	6.7	20.9
12 17	3 10.67	+25 59.7	2.427	3.291	9.6	21.1
12 27	3 6.93	+25 13.9	2.531	3.305	12.1	21.3

13591 1994 BC_1 11 17.6 159°.38 4°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.69	+36 21.5	2.926	3.723	10.4	18.6
10 28	3 50.00	+36 26.3	2.852	3.729	8.2	18.5
11 7	3 41.81	+36 17.3	2.803	3.734	6.0	18.4
11 17	3 32.80	+35 53.8	2.782	3.739	4.4	18.3
11 27	3 23.83	+35 17.0	2.791	3.743	4.6	18.3
12 7	3 15.74	+34 30.2	2.830	3.747	6.3	18.4
12 17	3 9.19	+33 37.9	2.896	3.751	8.5	18.6
12 27	3 4.65	+32 44.9	2.988	3.754	10.6	18.7

521620 2015 PG_{321} 11 17.6 23°.18 9°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.65	− 3 10.5	1.688	2.553	13.7	20.5
10 28	3 47.49	− 4 48.4	1.650	2.558	11.2	20.3
11 7	3 40.56	− 6 11.5	1.635	2.564	9.7	20.2
11 17	3 32.73	− 7 12.0	1.646	2.571	9.8	20.3
11 27	3 25.04	− 7 44.6	1.682	2.578	11.4	20.4
12 7	3 18.48	− 7 47.9	1.740	2.585	13.7	20.6
12 17	3 13.80	− 7 23.9	1.820	2.593	16.1	20.7
12 27	3 11.45	− 6 36.7	1.917	2.602	18.2	20.9

133214 2003 QF_{74} 11 17.6 346°.90 15°.1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 50.42	−17 19.3	1.618	2.439	16.3	18.5
10 28	3 46.18	−19 31.5	1.584	2.428	15.4	18.4
11 7	3 39.99	−21 16.0	1.570	2.418	15.1	18.3
11 17	3 32.70	−22 23.3	1.577	2.409	15.7	18.4
11 27	3 25.44	−22 48.1	1.603	2.401	17.0	18.4
12 7	3 19.29	−22 30.6	1.647	2.395	18.6	18.5
12 17	3 15.07	−21 34.8	1.706	2.389	20.2	18.7
12 27	3 13.35	−20 7.6	1.778	2.385	21.7	18.8

132605 2002 KA_9 11 17.6 257°.12 2°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.65	+15 22.8	1.742	2.617	12.8	19.0
10 28	3 49.74	+14 11.8	1.674	2.612	9.0	18.8
11 7	3 41.83	+12 55.6	1.631	2.606	5.0	18.6
11 17	3 32.81	+11 39.3	1.616	2.600	2.8	18.4
11 27	3 23.82	+10 29.6	1.630	2.594	5.9	18.6
12 7	3 15.96	+ 9 32.5	1.671	2.587	10.0	18.8
12 17	3 10.10	+ 8 52.1	1.737	2.581	13.7	19.0
12 27	3 6.79	+ 8 30.0	1.823	2.575	16.8	19.3

53774 2000 EL_{92} 11 17.6 139°.42 5°.2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.04	+36 11.8	2.307	3.111	12.6	19.7
10 28	3 53.38	+36 33.5	2.240	3.121	10.0	19.6
11 7	3 43.71	+36 38.6	2.198	3.131	7.3	19.4
11 17	3 32.93	+36 25.2	2.183	3.141	5.4	19.3
11 27	3 22.20	+35 54.4	2.198	3.150	5.7	19.4
12 7	3 12.66	+35 10.5	2.241	3.158	7.7	19.5
12 17	3 5.17	+34 19.1	2.311	3.167	10.3	19.7
12 27	3 0.27	+33 26.9	2.405	3.174	12.7	19.9

84989 2003 YD_{89} 11 17.6 288°.26 4°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.87	+ 9 29.2	1.407	2.288	14.9	19.4
10 28	3 52.39	+ 8 58.2	1.345	2.282	10.8	19.1
11 7	3 43.39	+ 8 30.5	1.305	2.276	6.6	18.9
11 17	3 32.91	+ 8 10.8	1.292	2.271	4.7	18.7
11 27	3 22.39	+ 8 3.8	1.305	2.265	7.6	18.9
12 7	3 13.25	+ 8 12.5	1.344	2.260	12.0	19.1
12 17	3 6.55	+ 8 37.7	1.405	2.254	16.1	19.4
12 27	3 2.97	+ 9 18.7	1.486	2.249	19.5	19.6

5852 Nanette 11 17.6 143°.81 3°.6/15.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.60	+ 7 14.6	2.357	3.214	10.6	17.2
10 28	3 51.28	+ 7 5.8	2.301	3.225	7.7	17.0
11 7	3 42.46	+ 7 1.2	2.271	3.235	4.8	16.8
11 17	3 32.86	+ 7 3.0	2.271	3.245	3.6	16.8
11 27	3 23.35	+ 7 13.2	2.302	3.254	5.4	16.9
12 7	3 14.77	+ 7 32.8	2.362	3.263	8.3	17.1
12 17	3 7.78	+ 8 1.9	2.450	3.271	11.0	17.3
12 27	3 2.83	+ 8 40.1	2.560	3.278	13.3	17.5

385720 2005 UV_{160} 11 17.6 359°.78 1°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.47	+13 30.3	1.045	1.941	17.6	19.6
10 28	3 52.79	+14 8.5	0.991	1.937	12.5	19.3
11 7	3 43.87	+14 50.0	0.957	1.935	6.7	18.9
11 17	3 32.95	+15 34.7	0.946	1.934	1.8	18.6
11 27	3 21.90	+16 22.8	0.960	1.934	6.5	18.9
12 7	3 12.63	+17 14.7	0.997	1.937	12.2	19.3
12 17	3 6.50	+18 11.1	1.056	1.940	17.3	19.6
12 27	3 4.28	+19 12.6	1.132	1.945	21.5	19.9

209847 2005 GG_{210} 11 17.6 254°.93 2°.9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.17	+ 9 41.0	1.807	2.670	13.0	20.1
10 28	3 54.34	+10 7.8	1.738	2.668	9.3	19.9
11 7	3 44.31	+10 39.3	1.695	2.666	5.3	19.6
11 17	3 32.97	+11 16.5	1.681	2.664	2.9	19.5
11 27	3 21.55	+11 59.8	1.697	2.662	5.5	19.6
12 7	3 11.26	+12 49.4	1.742	2.660	9.5	19.9
12 17	3 3.06	+13 45.0	1.813	2.658	13.2	20.1
12 27	2 57.60	+14 46.4	1.906	2.655	16.3	20.3

308089 2004 VT_6 11 17.6 354°.16 2°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.32	+15 11.5	1.302	2.190	15.4	19.8
10 28	3 50.76	+14 57.2	1.243	2.186	10.9	19.6
11 7	3 42.58	+14 40.4	1.206	2.183	5.8	19.3
11 17	3 32.87	+14 24.1	1.194	2.181	2.1	19.0
11 27	3 23.13	+14 12.7	1.207	2.179	6.1	19.3
12 7	3 14.85	+14 10.0	1.246	2.178	11.1	19.6
12 17	3 9.13	+14 18.9	1.307	2.178	15.6	19.8
12 27	3 6.64	+14 40.7	1.388	2.179	19.3	20.1

371431 2006 SF_{175} 11 17.6 334°.17 7°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.31	+ 8 48.9	1.078	1.979	16.7	19.9
10 28	3 48.96	+ 7 12.5	1.019	1.965	12.4	19.6
11 7	3 41.76	+ 5 36.9	0.982	1.952	8.4	19.4
11 17	3 32.84	+ 4 12.9	0.968	1.940	7.5	19.3
11 27	3 23.82	+ 3 11.7	0.977	1.929	10.8	19.5
12 7	3 16.35	+ 2 40.4	1.007	1.919	15.4	19.7
12 17	3 11.63	+ 2 40.6	1.057	1.911	19.8	19.9
12 27	3 10.38	+ 3 10.1	1.123	1.904	23.6	20.2

211742 2003 YA_{149} 11 17.6 336°.40 4°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.74	+27 54.0	1.513	2.368	15.5	19.5
10 28	3 54.09	+28 55.9	1.440	2.360	11.7	19.3
11 7	3 44.51	+29 46.0	1.391	2.352	7.7	19.0
11 17	3 33.00	+30 20.1	1.367	2.344	4.8	18.8
11 27	3 21.15	+30 37.0	1.370	2.337	6.2	18.9
12 7	3 10.64	+30 39.5	1.399	2.331	10.1	19.1
12 17	3 2.81	+30 33.2	1.452	2.325	14.2	19.3
12 27	2 58.51	+30 25.1	1.526	2.320	17.7	19.6

515605 2014 JK_{84} 11 17.6 306°.61 8°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.30	− 2 45.1	1.691	2.549	14.0	21.1
10 28	3 50.90	− 3 24.7	1.633	2.543	11.3	20.9
11 7	3 42.47	− 3 49.5	1.599	2.536	9.2	20.8
11 17	3 32.88	− 3 53.9	1.590	2.530	8.7	20.7
11 27	3 23.29	− 3 34.1	1.607	2.524	10.4	20.8
12 7	3 14.84	− 2 50.0	1.648	2.518	13.1	21.0
12 17	3 8.41	− 1 44.1	1.713	2.512	15.9	21.1
12 27	3 4.58	− 0 20.6	1.796	2.506	18.5	21.3

225446 2000 DA_{61} 11 17.6 249°.61 0°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.42	+20 45.7	2.512	3.368	10.0	21.3
10 28	3 48.53	+20 32.4	2.429	3.358	7.1	21.1
11 7	3 41.11	+20 13.2	2.374	3.347	3.8	20.9
11 17	3 32.80	+19 49.3	2.347	3.336	0.3	20.5
11 27	3 24.42	+19 23.2	2.351	3.324	3.3	20.8
12 7	3 16.80	+18 57.7	2.385	3.313	6.7	21.0
12 17	3 10.62	+18 36.0	2.446	3.301	9.8	21.2
12 27	3 6.40	+18 20.8	2.530	3.289	12.4	21.3

414009 2007 GR_{57} 11 17.6 110°.23 1°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.17	+15 41.8	2.334	3.198	10.4	21.3
10 28	3 48.97	+15 27.4	2.274	3.207	7.3	21.1
11 7	3 41.28	+15 10.8	2.242	3.216	3.9	20.9
11 17	3 32.82	+14 53.9	2.238	3.225	1.3	20.8
11 27	3 24.42	+14 39.3	2.264	3.233	3.9	21.0
12 7	3 16.92	+14 29.3	2.320	3.242	7.3	21.2
12 17	3 10.96	+14 26.0	2.402	3.250	10.3	21.4
12 27	3 7.00	+14 30.7	2.508	3.258	12.8	21.6

153499 2001 RL_{122} 11 17.6 253°.30 2°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.20	+15 24.6	1.662	2.536	13.4	20.6
10 28	3 51.75	+14 51.0	1.588	2.524	9.5	20.3
11 7	3 43.02	+14 13.4	1.538	2.513	5.1	20.1
11 17	3 32.92	+13 35.2	1.515	2.501	2.1	19.8
11 27	3 22.72	+13 1.0	1.520	2.489	5.6	20.0
12 7	3 13.66	+12 35.6	1.553	2.476	10.1	20.3
12 17	3 6.77	+12 22.4	1.611	2.463	14.2	20.5
12 27	3 2.69	+12 23.3	1.688	2.451	17.6	20.7

283639 2002 FT_{22} 11 17.6 153°.62 5°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.62	+ 4 53.8	1.935	2.798	12.3	20.1
10 28	3 51.56	+ 4 26.4	1.880	2.804	9.1	19.9
11 7	3 42.71	+ 4 5.7	1.850	2.809	6.2	19.8
11 17	3 32.90	+ 3 55.6	1.847	2.814	5.2	19.7
11 27	3 23.18	+ 3 59.0	1.874	2.818	7.1	19.8
12 7	3 14.55	+ 4 17.2	1.928	2.822	10.2	20.0
12 17	3 7.79	+ 4 49.9	2.008	2.826	13.2	20.2
12 27	3 3.39	+ 5 35.5	2.108	2.829	15.7	20.4

399830 2005 TV_{106} 11 17.6 121°.75 1°.9/16.4 18

10 18	3 54.98	+15 8.4	2.149	3.017	11.0	21.6
10 28	3 48.92	+14 29.2	2.090	3.024	7.7	21.5
11 7	3 41.28	+13 47.5	2.057	3.031	4.2	21.2
11 17	3 32.82	+13 6.4	2.053	3.038	1.9	21.1
11 27	3 24.45	+12 29.7	2.079	3.045	4.6	21.3
12 7	3 17.06	+12 0.8	2.133	3.052	8.0	21.5
12 17	3 11.32	+11 42.2	2.214	3.058	11.2	21.7
12 27	3 7.70	+11 35.3	2.317	3.064	13.8	21.9

454657 2014 QG_{314} 11 17.6 75°.48 0°.9/18.1 18

10 18	3 56.24	+23 3.1	2.020	2.879	12.0	21.3
10 28	3 49.91	+22 47.2	1.965	2.893	8.5	21.2
11 7	3 41.83	+22 22.5	1.935	2.906	4.7	21.0
11 17	3 32.86	+21 50.7	1.932	2.920	1.0	20.7
11 27	3 24.02	+21 15.1	1.960	2.934	3.7	20.9
12 7	3 16.32	+20 39.7	2.016	2.948	7.5	21.2
12 17	3 10.48	+20 8.6	2.098	2.962	10.9	21.4
12 27	3 6.97	+19 45.3	2.204	2.976	13.7	21.7

458205 2010 RT_{61} 11 17.6 82°.37 0°.6/17.9 18

10 18	3 56.46	+22 2.7	1.954	2.816	12.2	21.1
10 28	3 50.16	+21 48.0	1.894	2.824	8.7	20.9
11 7	3 42.01	+21 25.2	1.858	2.831	4.7	20.7
11 17	3 32.87	+20 55.9	1.851	2.839	0.7	20.4
11 27	3 23.82	+20 23.1	1.873	2.847	3.9	20.7
12 7	3 15.89	+19 51.2	1.923	2.854	7.8	21.0
12 17	3 9.87	+19 24.0	1.999	2.862	11.3	21.2
12 27	3 6.27	+19 5.0	2.098	2.870	14.3	21.4

26773 3254 T_{-1} 11 17.6 319°.75 5°.2/14.5 18

10 18	3 53.81	+ 9 55.6	1.515	2.400	13.8	18.6
10 28	3 48.72	+ 8 36.1	1.448	2.387	10.0	18.3
11 7	3 41.43	+ 7 16.4	1.405	2.375	6.5	18.1
11 17	3 32.84	+ 6 3.6	1.388	2.362	5.4	18.0
11 27	3 24.20	+ 5 5.4	1.398	2.351	8.2	18.2
12 7	3 16.72	+ 4 27.4	1.433	2.339	12.1	18.4
12 17	3 11.37	+ 4 12.0	1.490	2.328	15.9	18.6
12 27	3 8.77	+ 4 19.1	1.566	2.318	19.1	18.8

4424 Arkhipova 11 17.6 266°.51 7°.8/12.9 18 R

10 18	3 54.86	− 1 35.4	1.953	2.811	12.4	16.1
10 28	3 49.00	− 2 37.3	1.893	2.803	10.0	16.0
11 7	3 41.41	− 3 28.1	1.859	2.795	8.2	15.8
11 17	3 32.84	− 4 2.0	1.850	2.787	8.0	15.8
11 27	3 24.27	− 4 14.5	1.869	2.779	9.6	15.9
12 7	3 16.65	− 4 4.1	1.912	2.771	12.0	16.0
12 17	3 10.75	− 3 31.8	1.978	2.763	14.6	16.2
12 27	3 7.09	− 2 40.4	2.064	2.755	16.9	16.4

53000 1998 UO_{40} 11 17.6 274°.31 4°.2/19.5 18

10 18	4 0.69	+29 23.4	1.530	2.381	15.6	18.5
10 28	3 53.92	+29 41.6	1.457	2.374	11.8	18.2
11 7	3 44.33	+29 43.5	1.407	2.368	7.6	18.0
11 17	3 33.01	+29 27.1	1.382	2.361	4.4	17.8
11 27	3 21.55	+28 54.1	1.385	2.355	5.7	17.8
12 7	3 11.53	+28 10.3	1.414	2.348	9.8	18.0
12 17	3 4.19	+27 23.3	1.467	2.342	14.0	18.3
12 27	3 0.26	+26 40.8	1.542	2.336	17.6	18.5

355327 2007 TL_{51} 11 17.6 33°.62 0°.3/17.4 18

10 18	3 56.40	+20 3.1	1.434	2.313	14.8	21.0
10 28	3 50.52	+19 35.6	1.383	2.322	10.4	20.8
11 7	3 42.32	+18 59.8	1.356	2.332	5.5	20.5
11 17	3 32.89	+18 18.7	1.354	2.342	0.4	20.2
11 27	3 23.65	+17 37.6	1.379	2.353	5.0	20.6
12 7	3 15.89	+17 1.8	1.430	2.365	9.7	20.9
12 17	3 10.54	+16 36.1	1.506	2.377	13.9	21.2
12 27	3 8.13	+16 23.3	1.601	2.389	17.3	21.4

411600 2011 FK_{130} 11 17.6 326°.16 3°.2/19.3 17

10 18	3 54.29	+28 29.3	1.715	2.572	13.9	20.5
10 28	3 49.25	+28 27.7	1.627	2.548	10.5	20.3
11 7	3 41.82	+28 11.1	1.561	2.526	6.6	20.0
11 17	3 32.88	+27 38.9	1.522	2.504	3.4	19.7
11 27	3 23.68	+26 53.7	1.510	2.482	4.9	19.8
12 7	3 15.56	+26 0.8	1.524	2.462	9.0	20.0
12 17	3 9.61	+25 6.9	1.563	2.442	13.0	20.2
12 27	3 6.58	+24 18.9	1.624	2.423	16.6	20.4

449833 2014 QS_{101} 11 17.6 284°.41 1°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.33	+15 39.5	2.040	2.911	11.4	21.5
10 28	3 48.61	+14 58.3	1.973	2.909	8.0	21.3
11 7	3 41.19	+14 13.6	1.932	2.907	4.3	21.0
11 17	3 32.84	+13 28.8	1.919	2.904	1.9	20.9
11 27	3 24.51	+12 47.9	1.935	2.902	4.7	21.1
12 7	3 17.14	+12 15.1	1.979	2.900	8.4	21.3
12 17	3 11.48	+11 53.0	2.049	2.897	11.8	21.5
12 27	3 8.02	+11 43.6	2.141	2.895	14.6	21.7

456135 2006 DO_{132} 11 17.6 331°.57 5°.6/20.1 17

10 18	3 57.85	+32 52.0	1.788	2.623	14.4	21.1
10 28	3 51.82	+33 37.1	1.708	2.611	11.3	20.8
11 7	3 43.22	+34 6.7	1.651	2.598	8.1	20.6
11 17	3 32.97	+34 17.6	1.620	2.587	5.8	20.5
11 27	3 22.43	+34 9.3	1.616	2.575	6.4	20.5
12 7	3 13.05	+33 45.3	1.638	2.565	9.3	20.6
12 17	3 6.00	+33 11.9	1.685	2.555	12.7	20.8
12 27	3 2.05	+32 36.2	1.754	2.546	15.9	21.0

457999 2009 WK_{65} 11 17.6 358°.38 1°.0/18.2 16

10 18	3 54.30	+22 51.2	1.824	2.691	12.7	21.2
10 28	3 48.86	+22 42.7	1.757	2.689	9.1	21.0
11 7	3 41.42	+22 25.2	1.715	2.688	5.0	20.7
11 17	3 32.86	+21 59.9	1.699	2.687	1.1	20.5
11 27	3 24.29	+21 29.9	1.712	2.687	4.0	20.7
12 7	3 16.82	+20 59.4	1.752	2.687	8.2	20.9
12 17	3 11.31	+20 32.9	1.817	2.688	11.9	21.2
12 27	3 8.33	+20 14.1	1.904	2.689	15.0	21.4

67837 2000 VQ_{55} 11 17.6 53°.51 3°.6/19.0 18

10 18	4 3.07	+26 58.3	1.101	1.973	18.8	18.3
10 28	3 55.71	+27 14.6	1.064	1.994	13.7	18.1
11 7	3 45.19	+27 12.6	1.047	2.016	8.3	17.9
11 17	3 33.07	+26 51.9	1.054	2.038	3.8	17.7
11 27	3 21.42	+26 16.6	1.086	2.060	6.0	17.9
12 7	3 12.02	+25 34.8	1.142	2.083	10.9	18.3
12 17	3 6.00	+24 55.2	1.221	2.105	15.5	18.6
12 27	3 3.82	+24 24.5	1.320	2.128	19.2	18.9

39469 1978 RG_{9} 11 17.6 129°.37 5°.5/20.9 18

10 18	4 2.26	+35 22.7	2.003	2.816	13.9	19.3
10 28	3 54.46	+35 45.6	1.940	2.828	10.9	19.1
11 7	3 44.38	+35 50.2	1.900	2.839	7.9	18.9
11 17	3 33.05	+35 34.6	1.888	2.849	5.7	18.8
11 27	3 21.80	+35 0.2	1.903	2.859	6.0	18.9
12 7	3 11.92	+34 11.8	1.947	2.869	8.5	19.0
12 17	3 4.37	+33 16.4	2.018	2.878	11.4	19.2
12 27	2 59.72	+32 21.2	2.111	2.887	14.1	19.4

73367 2002 KV_{8} 11 17.6 136°.53 2°.3/15.9 18

10 18	3 53.54	+14 5.6	2.391	3.258	10.1	19.7
10 28	3 47.79	+13 11.7	2.331	3.264	7.1	19.5
11 7	3 40.67	+12 15.8	2.297	3.270	3.9	19.3
11 17	3 32.84	+11 21.5	2.293	3.276	2.3	19.2
11 27	3 25.09	+10 32.7	2.319	3.281	4.6	19.4
12 7	3 18.20	+ 9 52.9	2.375	3.286	7.7	19.6
12 17	3 12.77	+ 9 24.6	2.456	3.291	10.5	19.8
12 27	3 9.22	+ 9 9.0	2.561	3.296	12.9	20.0

77543 2001 HU_{66} 11 17.6 241°.44 4°.7/15.6 18

10 18	3 59.12	+ 9 5.6	1.502	2.379	14.4	19.3
10 28	3 52.46	+ 8 29.4	1.439	2.374	10.4	19.0
11 7	3 43.42	+ 7 56.5	1.400	2.369	6.5	18.8
11 17	3 33.01	+ 7 31.7	1.387	2.364	4.8	18.7
11 27	3 22.57	+ 7 19.7	1.402	2.359	7.5	18.8
12 7	3 13.43	+ 7 23.4	1.442	2.354	11.6	19.1
12 17	3 6.62	+ 7 44.0	1.506	2.348	15.5	19.3
12 27	3 2.77	+ 8 20.5	1.589	2.343	18.8	19.5

388869 2008 QL_{36} 11 17.6 43°.01 5°.1/19.9 18

10 18	4 0.83	+30 35.4	1.314	2.170	17.3	20.0
10 28	3 54.07	+31 1.9	1.265	2.184	13.1	19.8
11 7	3 44.36	+31 8.7	1.238	2.197	8.7	19.6
11 17	3 33.06	+30 54.0	1.235	2.212	5.3	19.4
11 27	3 21.95	+30 20.3	1.258	2.227	6.4	19.5
12 7	3 12.72	+29 34.9	1.306	2.242	10.3	19.8
12 17	3 6.52	+28 46.3	1.377	2.258	14.3	20.1
12 27	3 3.90	+28 2.5	1.469	2.274	17.8	20.3

76427 2000 FJ_{22} 11 17.6 300°.29 3°.8/19.5 17

10 18	3 58.76	+29 58.7	2.281	3.113	11.8	18.9
10 28	3 51.90	+30 38.5	2.205	3.110	9.0	18.7
11 7	3 43.05	+31 7.2	2.154	3.106	6.0	18.5
11 17	3 32.99	+31 22.8	2.130	3.103	3.9	18.4
11 27	3 22.78	+31 25.4	2.137	3.100	4.7	18.4
12 7	3 13.50	+31 17.5	2.172	3.097	7.5	18.6
12 17	3 6.04	+31 3.1	2.234	3.094	10.4	18.8
12 27	3 1.03	+30 47.1	2.320	3.091	13.1	18.9

285839 2001 FL_{35} 11 17.6 151°.75 7°.1/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.80	+47 0.7	3.011	3.739	11.6	21.0
10 28	3 54.61	+47 42.7	2.939	3.747	10.0	20.9
11 7	3 44.42	+48 6.5	2.891	3.755	8.4	20.8
11 17	3 33.07	+48 9.0	2.868	3.763	7.4	20.7
11 27	3 21.67	+47 50.1	2.873	3.770	7.2	20.7
12 7	3 11.32	+47 12.3	2.906	3.776	8.0	20.8
12 17	3 2.92	+46 20.7	2.965	3.782	9.4	20.9
12 27	2 57.03	+45 21.7	3.048	3.788	10.9	21.0

14975 Serasin 11 17.6 98°.90 1°.1/16.9 18

10 18	3 56.24	+18 2.2	1.881	2.751	12.3	18.7
10 28	3 50.02	+17 27.4	1.822	2.757	8.6	18.5
11 7	3 41.97	+16 47.1	1.788	2.764	4.5	18.3
11 17	3 32.94	+16 4.5	1.782	2.770	1.1	18.0
11 27	3 24.02	+15 23.7	1.806	2.777	4.5	18.3
12 7	3 16.23	+14 49.0	1.857	2.783	8.5	18.6
12 17	3 10.35	+14 24.0	1.934	2.789	12.0	18.8
12 27	3 6.89	+14 10.7	2.033	2.795	15.0	19.0

475870 2007 CJ_{26} 11 17.6 314°.42 1°.4/17.1 18

10 18	3 57.92	+16 26.3	1.261	2.148	15.9	20.9
10 28	3 52.29	+16 21.6	1.185	2.128	11.4	20.6
11 7	3 43.67	+16 13.0	1.131	2.108	6.1	20.3
11 17	3 33.06	+16 2.7	1.101	2.089	1.4	19.9
11 27	3 22.07	+15 54.3	1.097	2.071	6.1	20.2
12 7	3 12.43	+15 52.4	1.118	2.053	11.7	20.4
12 17	3 5.51	+16 0.6	1.161	2.036	16.8	20.7
12 27	3 2.20	+16 21.7	1.222	2.020	21.1	20.9

204042 2003 UY_{170} 11 17.6 80°.25 0°.6/17.9 18

10 18	3 58.57	+22 16.0	1.684	2.549	13.7	20.2
10 28	3 51.77	+21 53.7	1.634	2.565	9.7	19.9
11 7	3 42.91	+21 22.0	1.608	2.581	5.2	19.7
11 17	3 33.00	+20 42.9	1.609	2.597	0.7	19.4
11 27	3 23.31	+20 0.7	1.638	2.613	4.3	19.7
12 7	3 15.02	+19 20.5	1.696	2.629	8.6	20.0
12 17	3 8.95	+18 47.2	1.779	2.644	12.4	20.3
12 27	3 5.61	+18 24.3	1.883	2.660	15.5	20.5

78860 2003 QH_{77} 11 17.6 67°.68 2°.5/15.9 18

10 18	3 53.35	+13 42.6	2.153	3.024	10.9	19.1
10 28	3 47.80	+12 49.7	2.095	3.030	7.6	19.0
11 7	3 40.73	+11 55.1	2.063	3.036	4.3	18.8
11 17	3 32.88	+11 2.6	2.059	3.042	2.6	18.7
11 27	3 25.12	+10 16.7	2.086	3.048	5.0	18.8
12 7	3 18.29	+ 9 41.0	2.140	3.054	8.3	19.1
12 17	3 13.05	+ 9 17.7	2.221	3.060	11.3	19.3
12 27	3 9.85	+ 9 8.0	2.323	3.066	13.9	19.5

35187 1993 VW_{1} 11 17.6 45°.23 1°.1/18.2 18

10 18	3 58.15	+25 12.3	1.219	2.096	17.0	17.5
10 28	3 51.89	+24 19.0	1.180	2.116	12.1	17.3
11 7	3 43.05	+23 9.4	1.163	2.137	6.6	17.1
11 17	3 33.01	+21 48.3	1.171	2.159	1.3	16.8
11 27	3 23.43	+20 24.1	1.205	2.181	5.1	17.1
12 7	3 15.76	+19 6.1	1.264	2.203	10.2	17.5
12 17	3 10.91	+18 1.8	1.347	2.226	14.7	17.8
12 27	3 9.29	+17 15.5	1.450	2.250	18.2	18.1

282905 2007 HP_{47} 11 17.6 226°.89 2°.0/16.6 18

10 18	3 57.81	+15 45.7	1.636	2.511	13.5	20.9
10 28	3 51.43	+15 11.1	1.571	2.509	9.5	20.7
11 7	3 42.85	+14 32.5	1.531	2.506	5.1	20.4
11 17	3 33.02	+13 53.4	1.517	2.504	2.0	20.2
11 27	3 23.20	+13 18.5	1.532	2.501	5.5	20.5
12 7	3 14.61	+12 52.4	1.574	2.498	9.9	20.7
12 17	3 8.21	+12 38.5	1.640	2.495	13.8	21.0
12 27	3 4.57	+12 38.4	1.727	2.492	17.1	21.2

25461 1999 XR_{18} 11 17.6 41°.33 4°.1/18.8 18

10 18	4 4.08	+26 18.2	1.520	2.373	15.5	17.1
10 28	3 56.27	+27 27.8	1.461	2.381	11.6	16.9
11 7	3 45.60	+28 26.2	1.426	2.389	7.3	16.7
11 17	3 33.19	+29 9.3	1.417	2.397	4.2	16.5
11 27	3 20.67	+29 35.9	1.437	2.405	5.8	16.7
12 7	3 9.68	+29 48.7	1.484	2.414	9.8	16.9
12 17	3 1.46	+29 53.0	1.555	2.423	13.7	17.2
12 27	2 56.72	+29 55.1	1.647	2.433	17.0	17.4

338451 2003 EO_{62} 11 17.6 218°.16 7°.6/12.9 18

10 18	3 56.73	+ 0 21.3	1.891	2.751	12.7	20.7
10 28	3 50.38	− 0 54.1	1.831	2.745	10.0	20.6
11 7	3 42.19	− 2 0.2	1.796	2.738	8.0	20.4
11 17	3 32.98	− 2 50.7	1.788	2.730	7.7	20.4
11 27	3 23.78	− 3 20.1	1.807	2.723	9.5	20.5
12 7	3 15.59	− 3 26.2	1.852	2.714	12.2	20.6
12 17	3 9.22	− 3 9.3	1.920	2.706	14.9	20.8
12 27	3 5.20	− 2 31.8	2.006	2.696	17.3	21.0

73139 2002 GM_{84} 11 17.6 139°.01 4°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.46	+ 8 49.2	1.862	2.733	12.4	19.9
10 28	3 50.84	+ 8 9.9	1.807	2.739	8.9	19.7
11 7	3 42.40	+ 7 33.7	1.778	2.745	5.6	19.5
11 17	3 33.00	+ 7 4.6	1.776	2.751	4.3	19.4
11 27	3 23.70	+ 6 46.6	1.803	2.756	6.5	19.6
12 7	3 15.52	+ 6 42.2	1.857	2.762	9.9	19.8
12 17	3 9.24	+ 6 52.4	1.936	2.767	13.1	20.0
12 27	3 5.35	+ 7 16.5	2.036	2.771	15.8	20.2

23930 1998 SX_{163} 11 17.6 79°.66 0°.9/18.1 18

10 18	3 57.37	+21 34.2	2.190	3.046	11.3	18.2
10 28	3 50.73	+21 49.2	2.128	3.054	8.1	18.0
11 7	3 42.35	+21 58.0	2.091	3.062	4.4	17.8
11 17	3 33.01	+22 0.9	2.082	3.070	1.0	17.6
11 27	3 23.68	+21 59.2	2.104	3.078	3.6	17.8
12 7	3 15.33	+21 55.6	2.155	3.086	7.2	18.0
12 17	3 8.73	+21 52.9	2.234	3.094	10.4	18.3
12 27	3 4.40	+21 53.9	2.335	3.102	13.1	18.5

352491 2008 CS_{4} 11 17.6 12°.81 22°.3/25.9 17

10 18	4 15.02	+54 11.7	0.946	1.722	28.3	20.1
10 28	4 8.49	+57 28.0	0.906	1.723	26.1	20.0
11 7	3 54.24	+60 0.0	0.878	1.726	24.1	19.8
11 17	3 33.78	+61 26.6	0.865	1.729	22.7	19.8
11 27	3 11.81	+61 35.6	0.868	1.733	22.3	19.8
12 7	2 54.10	+60 34.2	0.886	1.738	22.9	19.8
12 17	2 44.28	+58 43.4	0.918	1.745	24.3	20.0
12 27	2 43.13	+56 28.1	0.963	1.752	26.1	20.1

83125 2001 QQ_{251} 11 17.6 155°.95 2°.2/16.4 18

10 18	3 58.40	+16 13.1	1.670	2.543	13.4	20.0
10 28	3 51.71	+15 19.4	1.611	2.547	9.4	19.8
11 7	3 42.94	+14 20.7	1.576	2.551	5.1	19.5
11 17	3 33.04	+13 21.4	1.569	2.555	2.2	19.4
11 27	3 23.27	+12 27.3	1.591	2.558	5.5	19.6
12 7	3 14.78	+11 43.8	1.640	2.561	9.8	19.9
12 17	3 8.46	+11 14.4	1.714	2.563	13.6	20.1
12 27	3 4.83	+11 1.1	1.808	2.565	16.8	20.3

266662 2008 UJ_{209} 11 17.6 21°.08 0°.3/17.9 18

10 18	3 48.31	+21 21.0	3.798	4.651	7.0	21.4
10 28	3 43.88	+21 7.8	3.728	4.654	4.9	21.2
11 7	3 38.57	+20 50.5	3.685	4.658	2.7	21.1
11 17	3 32.79	+20 30.3	3.673	4.661	0.4	20.8
11 27	3 27.02	+20 8.7	3.691	4.664	2.2	21.0
12 7	3 21.74	+19 47.5	3.740	4.668	4.5	21.2
12 17	3 17.36	+19 28.5	3.817	4.672	6.6	21.4
12 27	3 14.19	+19 13.4	3.919	4.676	8.4	21.5

385730 2005 UH_{396} 11 17.6 2°.37 2°.9/16.5 18

10 18	3 54.67	+15 6.1	1.099	1.997	16.7	19.9
10 28	3 49.89	+14 30.0	1.047	1.995	11.8	19.6
11 7	3 42.26	+13 50.3	1.016	1.994	6.4	19.3
11 17	3 33.01	+13 12.2	1.009	1.995	2.9	19.1
11 27	3 23.81	+12 42.1	1.026	1.997	7.0	19.4
12 7	3 16.28	+12 25.8	1.066	2.000	12.3	19.7
12 17	3 11.57	+12 26.2	1.127	2.004	17.0	20.0
12 27	3 10.30	+12 44.0	1.205	2.010	20.9	20.3

64197 2001 TD_{75} 11 17.6 290°.82 0°.0/17.6 18

10 18	3 58.32	+20 9.4	1.523	2.396	14.4	19.3
10 28	3 52.17	+19 58.6	1.446	2.381	10.3	19.0
11 7	3 43.44	+19 39.7	1.392	2.367	5.5	18.7
11 17	3 33.09	+19 14.2	1.364	2.353	0.3	18.3
11 27	3 22.53	+18 45.5	1.364	2.338	5.0	18.6
12 7	3 13.21	+18 18.8	1.390	2.324	10.0	18.9
12 17	3 6.27	+17 59.1	1.440	2.310	14.5	19.1
12 27	3 2.46	+17 50.3	1.511	2.296	18.3	19.3

25726 2000 AD_{181} 11 17.6 139°.61 4°.8/14.4 18

10 18	3 56.02	+ 5 16.2	2.348	3.208	10.5	18.8
10 28	3 49.49	+ 4 19.3	2.299	3.221	7.8	18.6
11 7	3 41.58	+ 3 27.5	2.277	3.234	5.5	18.5
11 17	3 32.99	+ 2 44.7	2.285	3.246	4.9	18.5
11 27	3 24.53	+ 2 14.8	2.322	3.257	6.5	18.6
12 7	3 16.99	+ 1 59.7	2.387	3.268	9.1	18.8
12 17	3 10.97	+ 2 0.0	2.478	3.278	11.5	19.0
12 27	3 6.88	+ 2 14.8	2.589	3.287	13.6	19.1

451507 2011 UM_{312} 11 17.6 230°.47 2°.3/16.0 18

10 18	3 55.16	+16 16.9	1.889	2.762	12.1	21.0
10 28	3 49.30	+15 3.5	1.823	2.760	8.5	20.8
11 7	3 41.63	+13 44.3	1.783	2.758	4.6	20.6
11 17	3 32.99	+12 24.5	1.771	2.756	2.4	20.4
11 27	3 24.42	+11 10.3	1.789	2.753	5.4	20.6
12 7	3 16.92	+10 7.4	1.835	2.751	9.2	20.8
12 17	3 11.26	+ 9 20.0	1.906	2.749	12.7	21.0
12 27	3 7.97	+ 8 49.9	1.998	2.747	15.7	21.3

380332 2002 ON_{30} 11 17.6 43°.07 3°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.51	+12 28.8	1.016	1.910	18.1	20.6
10 28	3 53.67	+12 6.2	0.989	1.935	12.7	20.4
11 7	3 44.04	+11 45.5	0.984	1.960	7.1	20.1
11 17	3 33.13	+11 31.1	1.002	1.986	3.7	20.0
11 27	3 22.80	+11 27.5	1.044	2.013	7.4	20.4
12 7	3 14.60	+11 37.5	1.111	2.041	12.4	20.7
12 17	3 9.49	+12 1.7	1.198	2.069	16.7	21.1
12 27	3 7.86	+12 39.1	1.304	2.097	20.2	21.4

49319 1998 VT_{25} 11 17.6 43°.67 0°.3/17.8 18

10 18	3 58.71	+20 26.1	1.385	2.262	15.4	18.5
10 28	3 52.14	+20 21.3	1.346	2.283	10.8	18.3
11 7	3 43.20	+20 8.5	1.329	2.304	5.7	18.1
11 17	3 33.09	+19 49.4	1.337	2.326	0.5	17.8
11 27	3 23.30	+19 27.9	1.373	2.348	4.8	18.2
12 7	3 15.14	+19 8.7	1.435	2.371	9.6	18.5
12 17	3 9.55	+18 56.0	1.521	2.395	13.7	18.8
12 27	3 6.99	+18 52.8	1.628	2.418	17.0	19.1

266044 2006 JB_{7} 11 17.6 106°.16 0°.7/17.2 18

10 18	3 54.53	+17 35.0	2.442	3.304	10.1	20.7
10 28	3 48.57	+17 23.6	2.378	3.310	7.1	20.5
11 7	3 41.16	+17 9.0	2.341	3.316	3.7	20.3
11 17	3 32.98	+16 52.5	2.334	3.322	0.7	20.1
11 27	3 24.84	+16 36.5	2.356	3.328	3.5	20.3
12 7	3 17.53	+16 23.5	2.408	3.333	6.8	20.5
12 17	3 11.70	+16 15.8	2.487	3.339	9.8	20.7
12 27	3 7.79	+16 15.1	2.590	3.345	12.3	20.9

225669 2001 OE_{11} 11 17.6 75°.33 1°.8/18.4 18

10 18	4 3.14	+23 45.1	1.434	2.298	15.7	19.9
10 28	3 55.22	+23 51.8	1.393	2.322	11.3	19.7
11 7	3 44.82	+23 46.8	1.375	2.347	6.3	19.5
11 17	3 33.20	+23 30.5	1.384	2.371	1.9	19.3
11 27	3 21.93	+23 6.3	1.420	2.395	4.8	19.6
12 7	3 12.46	+22 39.6	1.483	2.418	9.4	19.9
12 17	3 5.71	+22 16.0	1.571	2.442	13.5	20.2
12 27	3 2.19	+22 0.1	1.680	2.465	16.7	20.5

317885 2003 UU_{138} 11 17.6 68°.47 3°.1/19.4 17

10 18	3 57.68	+28 27.4	2.177	3.017	12.0	20.2
10 28	3 51.09	+28 48.6	2.111	3.023	9.0	20.0
11 7	3 42.61	+28 58.5	2.071	3.030	5.7	19.8
11 17	3 33.08	+28 56.3	2.058	3.036	3.2	19.7
11 27	3 23.54	+28 43.2	2.074	3.043	4.3	19.8
12 7	3 15.03	+28 22.5	2.120	3.050	7.3	20.0
12 17	3 8.39	+27 58.6	2.192	3.057	10.4	20.2
12 27	3 4.15	+27 36.0	2.287	3.063	13.1	20.4

195676 2002 OM_{23} 11 17.6 84°.76 9°.2/26.3 17

10 18	4 2.77	+51 49.9	2.407	3.119	14.6	20.0
10 28	3 54.99	+52 6.0	2.334	3.123	12.8	19.9
11 7	3 44.74	+51 56.5	2.281	3.127	11.1	19.8
11 17	3 33.20	+51 17.8	2.252	3.132	9.7	19.7
11 27	3 21.87	+50 10.3	2.247	3.136	9.2	19.7
12 7	3 12.13	+48 39.0	2.269	3.141	9.9	19.7
12 17	3 4.99	+46 51.8	2.317	3.145	11.3	19.8
12 27	3 0.95	+44 58.2	2.388	3.150	13.0	19.9

444952 2008 CX_{138} 11 17.6 329°.53 7°.0/20.5 17

10 18	3 58.43	+34 31.8	1.520	2.359	16.3	20.7
10 28	3 52.72	+35 21.9	1.440	2.342	13.0	20.4
11 7	3 43.96	+35 53.1	1.382	2.326	9.6	20.2
11 17	3 33.18	+36 0.7	1.348	2.311	7.2	20.0
11 27	3 22.00	+35 43.8	1.339	2.297	7.7	20.0
12 7	3 12.18	+35 6.6	1.355	2.283	10.8	20.1
12 17	3 5.13	+34 17.4	1.395	2.271	14.5	20.3
12 27	3 1.73	+33 25.6	1.455	2.259	18.0	20.5

4804 Pasteur 11 17.6 30°.36 4°.5/15.8 18

10 18	3 56.99	+ 8 34.8	1.534	2.413	14.0	15.6
10 28	3 50.83	+ 8 11.5	1.484	2.420	10.1	15.4
11 7	3 42.53	+ 7 53.1	1.457	2.426	6.3	15.2
11 17	3 33.09	+ 7 43.3	1.456	2.434	4.6	15.1
11 27	3 23.76	+ 7 45.8	1.483	2.441	7.1	15.3
12 7	3 15.74	+ 8 2.3	1.535	2.450	10.9	15.6
12 17	3 9.92	+ 8 33.0	1.611	2.458	14.5	15.8
12 27	3 6.84	+ 9 16.7	1.707	2.467	17.5	16.0

273615 2007 DL_{13} 11 17.6 287°.68 4°.9/15.2 18

10 18	3 57.01	+ 9 51.2	1.474	2.356	14.3	20.5
10 28	3 51.12	+ 8 54.5	1.406	2.344	10.4	20.3
11 7	3 42.83	+ 7 58.7	1.362	2.332	6.5	20.0
11 17	3 33.11	+ 7 10.0	1.344	2.320	5.0	19.9
11 27	3 23.29	+ 6 34.7	1.352	2.308	7.9	20.0
12 7	3 14.71	+ 6 17.4	1.385	2.296	12.1	20.2
12 17	3 8.41	+ 6 20.1	1.442	2.285	16.1	20.5
12 27	3 5.05	+ 6 42.4	1.517	2.273	19.5	20.7

290739 2005 UD_{462} 11 17.6 349°.17 1°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.44	+16 36.7	1.842	2.715	12.3	20.4
10 28	3 49.62	+16 17.9	1.777	2.713	8.7	20.2
11 7	3 41.88	+15 55.4	1.736	2.711	4.6	20.0
11 17	3 33.06	+15 31.6	1.722	2.710	1.3	19.7
11 27	3 24.22	+15 10.0	1.737	2.708	4.6	20.0
12 7	3 16.44	+14 54.1	1.780	2.707	8.7	20.2
12 17	3 10.56	+14 46.7	1.848	2.706	12.3	20.4
12 27	3 7.14	+14 49.7	1.938	2.706	15.4	20.6

328395 2008 RC_{129} 11 17.6 76°.08 3°.3/19.3 18 R

10 18	4 0.21	+28 25.1	2.272	3.106	11.8	20.5
10 28	3 52.77	+29 5.5	2.214	3.122	8.8	20.3
11 7	3 43.48	+29 35.2	2.183	3.139	5.7	20.1
11 17	3 33.16	+29 52.6	2.180	3.156	3.4	20.0
11 27	3 22.87	+29 58.2	2.207	3.173	4.4	20.1
12 7	3 13.64	+29 54.6	2.263	3.190	7.2	20.3
12 17	3 6.29	+29 45.7	2.347	3.206	10.0	20.5
12 27	3 1.34	+29 35.9	2.455	3.223	12.5	20.7

515982 2015 RG_{192} 11 17.6 157°.34 4°.8/20.2 18

10 18	4 1.90	+33 15.8	2.189	3.006	12.8	21.8
10 28	3 54.20	+33 51.4	2.119	3.011	9.9	21.7
11 7	3 44.34	+34 12.3	2.073	3.016	7.0	21.5
11 17	3 33.22	+34 16.2	2.055	3.020	5.0	21.4
11 27	3 22.03	+34 3.5	2.067	3.024	5.5	21.4
12 7	3 11.97	+33 37.7	2.107	3.028	8.0	21.6
12 17	3 4.00	+33 4.2	2.174	3.031	10.8	21.8
12 27	2 58.71	+32 29.1	2.264	3.034	13.4	22.0

126809 2002 EW_{40} 11 17.6 316°.77 2°.6/19.0 17

10 18	3 56.81	+26 43.9	1.965	2.816	12.7	19.9
10 28	3 50.70	+26 53.1	1.890	2.810	9.3	19.6
11 7	3 42.52	+26 51.1	1.839	2.804	5.7	19.4
11 17	3 33.10	+26 37.6	1.815	2.798	2.7	19.2
11 27	3 23.60	+26 14.3	1.821	2.793	4.3	19.3
12 7	3 15.15	+25 45.1	1.854	2.788	7.9	19.5
12 17	3 8.66	+25 15.0	1.913	2.783	11.5	19.7
12 27	3 4.76	+24 48.8	1.995	2.778	14.5	19.9

160437 2005 SS_{139} 11 17.6 242°.70 1°.1/18.1 18

10 18	4 0.50	+22 12.3	1.640	2.503	14.1	20.8
10 28	3 53.58	+22 16.3	1.566	2.496	10.2	20.5
11 7	3 44.16	+22 11.3	1.516	2.488	5.6	20.2
11 17	3 33.21	+21 57.5	1.493	2.481	1.2	19.9
11 27	3 22.12	+21 37.4	1.498	2.472	4.6	20.1
12 7	3 12.28	+21 15.4	1.531	2.464	9.3	20.4
12 17	3 4.79	+20 56.4	1.588	2.456	13.5	20.6
12 27	3 0.36	+20 44.9	1.667	2.447	17.1	20.9

50318 2000 CS_{48} 11 17.6 355°.17 4°.0/15.7 18

10 18	3 55.91	+13 39.8	1.258	2.149	15.6	18.7
10 28	3 50.50	+12 32.0	1.202	2.146	11.1	18.4
11 7	3 42.52	+11 20.8	1.169	2.144	6.4	18.2
11 17	3 33.11	+10 13.3	1.161	2.143	4.0	18.0
11 27	3 23.76	+ 9 17.4	1.178	2.142	7.5	18.3
12 7	3 15.92	+ 8 39.5	1.220	2.142	12.3	18.5
12 17	3 10.65	+ 8 23.0	1.284	2.143	16.6	18.8
12 27	3 8.54	+ 8 27.9	1.365	2.144	20.2	19.0

152503 2005 WW_{182} 11 17.6 71°.62 4°.0/15.5 18

10 18	3 55.25	+ 8 20.7	2.048	2.918	11.4	20.3
10 28	3 49.26	+ 7 50.2	1.988	2.919	8.3	20.1
11 7	3 41.61	+ 7 23.1	1.953	2.920	5.2	19.9
11 17	3 33.06	+ 7 2.8	1.946	2.921	4.0	19.8
11 27	3 24.54	+ 6 52.6	1.968	2.922	6.1	20.0
12 7	3 16.98	+ 6 54.6	2.018	2.923	9.2	20.2
12 17	3 11.08	+ 7 9.6	2.093	2.924	12.2	20.4
12 27	3 7.36	+ 7 37.1	2.190	2.925	14.8	20.6

398381 2011 SV_{143} 11 17.6 104°.13 5°.6/13.8 18

10 18	3 55.33	+ 7 3.9	1.846	2.719	12.3	20.8
10 28	3 49.32	+ 5 30.0	1.798	2.728	9.1	20.7
11 7	3 41.62	+ 3 59.9	1.776	2.737	6.4	20.5
11 17	3 33.06	+ 2 40.5	1.782	2.745	5.8	20.5
11 27	3 24.67	+ 1 38.0	1.817	2.754	7.9	20.7
12 7	3 17.39	+ 0 56.3	1.878	2.763	10.9	20.9
12 17	3 11.94	+ 0 36.4	1.963	2.771	13.8	21.1
12 27	3 8.77	+ 0 37.2	2.068	2.779	16.3	21.3

65550 1062 T_{-2} 11 17.6 5°.21 2°.5/18.6 18

10 18	3 57.27	+24 26.5	1.098	1.982	17.9	19.0
10 28	3 52.00	+24 37.4	1.043	1.982	13.0	18.7
11 7	3 43.53	+24 33.8	1.009	1.982	7.5	18.4
11 17	3 33.19	+24 15.7	0.997	1.984	2.7	18.2
11 27	3 22.84	+23 46.6	1.010	1.987	5.7	18.4
12 7	3 14.32	+23 13.7	1.047	1.991	11.2	18.7
12 17	3 8.94	+22 44.2	1.105	1.996	16.2	19.0
12 27	3 7.36	+22 24.5	1.182	2.002	20.3	19.3

290281 2005 SD_{154} 11 17.6 343°35 1°1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.63	+22 52.0	1.162	2.048	17.0	20.2
10 28	3 50.77	+22 38.7	1.098	2.038	12.2	19.9
11 7	3 42.89	+22 12.0	1.054	2.030	6.8	19.6
11 17	3 33.15	+21 33.4	1.034	2.022	1.3	19.2
11 27	3 23.28	+20 48.1	1.038	2.015	5.5	19.5
12 7	3 15.03	+20 3.6	1.067	2.010	11.2	19.8
12 17	3 9.69	+19 27.3	1.118	2.005	16.3	20.0
12 27	3 7.99	+19 4.7	1.186	2.002	20.5	20.3

224871 2007 AQ_{30} 11 17.6 36°22 6°0/15.4 18

10 18	3 57.34	+ 8 48.4	1.085	1.980	17.2	19.6
10 28	3 51.46	+ 7 53.4	1.052	1.995	12.4	19.3
11 7	3 42.95	+ 7 4.6	1.040	2.011	7.8	19.2
11 17	3 33.14	+ 6 29.1	1.052	2.028	6.1	19.1
11 27	3 23.71	+ 6 12.8	1.087	2.046	9.0	19.3
12 7	3 16.13	+ 6 18.4	1.146	2.065	13.3	19.6
12 17	3 11.35	+ 6 44.9	1.226	2.084	17.4	20.0
12 27	3 9.84	+ 7 29.7	1.323	2.104	20.7	20.2

299098 2005 EJ_{90} 11 17.6 174°54 5°8/14.0 18

10 18	3 55.42	+ 5 39.1	1.884	2.754	12.2	20.7
10 28	3 49.45	+ 4 25.7	1.828	2.755	9.1	20.5
11 7	3 41.73	+ 3 17.2	1.797	2.756	6.5	20.4
11 17	3 33.07	+ 2 19.5	1.795	2.756	5.9	20.3
11 27	3 24.49	+ 1 38.0	1.820	2.757	7.9	20.5
12 7	3 16.96	+ 1 15.8	1.872	2.757	10.9	20.6
12 17	3 11.21	+ 1 13.6	1.947	2.757	13.9	20.8
12 27	3 7.76	+ 1 30.4	2.042	2.757	16.4	21.0

203806 2002 TA_{122} 11 17.6 143°55 7°0/22.3 18

10 18	4 1.74	+40 26.8	2.014	2.806	14.6	20.4
10 28	3 54.31	+40 44.7	1.944	2.811	11.9	20.2
11 7	3 44.45	+40 40.7	1.897	2.815	9.3	20.1
11 17	3 33.24	+40 11.9	1.875	2.819	7.3	19.9
11 27	3 22.10	+39 19.7	1.881	2.824	7.2	20.0
12 7	3 12.39	+38 9.6	1.914	2.827	9.1	20.1
12 17	3 5.12	+36 49.7	1.973	2.831	11.7	20.2
12 27	3 0.89	+35 28.7	2.055	2.834	14.3	20.4

223955 2004 XL_{73} 11 17.6 298°78 1°6/16.7 17

10 18	3 54.65	+15 11.4	2.088	2.958	11.2	19.9
10 28	3 48.98	+14 52.2	2.011	2.946	7.9	19.7
11 7	3 41.55	+14 30.6	1.959	2.934	4.3	19.5
11 17	3 33.07	+14 9.0	1.935	2.921	1.6	19.3
11 27	3 24.50	+13 50.4	1.941	2.909	4.5	19.5
12 7	3 16.78	+13 37.8	1.974	2.897	8.3	19.7
12 17	3 10.72	+13 33.8	2.034	2.886	11.7	19.9
12 27	3 6.88	+13 39.8	2.115	2.874	14.6	20.0

47614 2000 BO_{14} 11 17.6 208°21 0°6/18.0 18 R

10 18	3 55.44	+21 32.6	2.597	3.450	9.9	18.7
10 28	3 49.26	+21 31.5	2.521	3.446	7.0	18.5
11 7	3 41.59	+21 24.6	2.471	3.443	3.8	18.3
11 17	3 33.07	+21 12.8	2.451	3.439	0.7	18.0
11 27	3 24.51	+20 57.6	2.461	3.435	3.2	18.3
12 7	3 16.71	+20 41.8	2.502	3.431	6.4	18.5
12 17	3 10.34	+20 27.9	2.570	3.426	9.4	18.6
12 27	3 5.89	+20 18.8	2.662	3.421	11.9	18.8

133721 2003 UB_{260} 11 17.6 233°47 0°8/16.9 18

10 18	3 53.57	+20 6.9	2.383	3.244	10.3	19.7
10 28	3 47.93	+18 57.7	2.311	3.242	7.2	19.5
11 7	3 40.86	+17 40.9	2.266	3.241	3.8	19.3
11 17	3 33.03	+16 20.2	2.251	3.239	0.8	19.1
11 27	3 25.27	+15 0.6	2.268	3.238	3.8	19.3
12 7	3 18.38	+13 47.1	2.314	3.236	7.3	19.5
12 17	3 13.00	+12 44.1	2.387	3.234	10.4	19.7
12 27	3 9.55	+11 54.3	2.485	3.232	12.9	19.9

169103 2001 LB_{3} 11 17.6 154°85 0°3/17.9 18

10 18	3 57.37	+21 53.7	2.527	3.376	10.2	21.0
10 28	3 50.50	+21 26.0	2.461	3.386	7.2	20.8
11 7	3 42.18	+20 51.1	2.423	3.395	3.9	20.6
11 17	3 33.11	+20 11.0	2.415	3.403	0.4	20.4
11 27	3 24.14	+19 28.5	2.438	3.411	3.3	20.6
12 7	3 16.07	+18 47.3	2.491	3.418	6.6	20.8
12 17	3 9.56	+18 10.9	2.573	3.424	9.5	21.1
12 27	3 5.03	+17 42.2	2.679	3.429	12.0	21.2

78488 2002 RJ_{60} 11 17.7 10°93 1°2/16.9 18

10 18	3 54.01	+16 36.1	1.951	2.824	11.8	18.6
10 28	3 48.53	+16 19.0	1.889	2.826	8.2	18.4
11 7	3 41.28	+15 58.7	1.852	2.828	4.4	18.2
11 17	3 33.07	+15 37.4	1.843	2.831	1.2	18.0
11 27	3 24.88	+15 18.2	1.863	2.834	4.3	18.2
12 7	3 17.70	+15 4.3	1.910	2.838	8.2	18.4
12 17	3 12.28	+14 58.2	1.983	2.842	11.6	18.7
12 27	3 9.13	+15 1.7	2.078	2.847	14.5	18.9

516656 2008 ON_{24} 11 17.7 108°56 2°3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.64	+28 15.1	2.599	3.433	10.5	21.6
10 28	3 50.01	+28 11.0	2.541	3.451	7.7	21.5
11 7	3 41.93	+27 56.5	2.508	3.468	4.8	21.3
11 17	3 33.11	+27 32.2	2.505	3.485	2.4	21.2
11 27	3 24.41	+27 0.1	2.532	3.502	3.4	21.3
12 7	3 16.64	+26 23.6	2.589	3.518	6.2	21.5
12 17	3 10.45	+25 46.6	2.674	3.534	8.9	21.7
12 27	3 6.26	+25 13.0	2.783	3.550	11.2	21.9

91173 1998 RN_{7} 11 17.7 44°61 4°9/20.5 18

10 18	3 58.19	+33 30.2	1.998	2.825	13.4	19.3
10 28	3 51.67	+33 52.8	1.935	2.832	10.4	19.2
11 7	3 43.03	+33 59.1	1.894	2.840	7.3	19.0
11 17	3 33.18	+33 47.8	1.881	2.848	5.1	18.9
11 27	3 23.37	+33 20.0	1.895	2.856	5.6	18.9
12 7	3 14.76	+32 40.3	1.937	2.864	8.1	19.1
12 17	3 8.29	+31 54.7	2.005	2.872	11.1	19.3
12 27	3 4.51	+31 9.5	2.096	2.881	13.9	19.5

430093 2013 SG_{63} 11 17.7 173°64 3°0/18.9 16

10 18	4 2.90	+26 11.2	1.460	2.318	15.8	21.4
10 28	3 55.50	+26 27.1	1.395	2.319	11.6	21.2
11 7	3 45.25	+26 29.2	1.353	2.320	7.0	20.9
11 17	3 33.33	+26 16.3	1.337	2.321	3.1	20.7
11 27	3 21.36	+25 50.5	1.348	2.321	5.3	20.8
12 7	3 10.96	+25 17.6	1.386	2.321	9.9	21.1
12 17	3 3.34	+24 44.4	1.448	2.321	14.2	21.3
12 27	2 59.19	+24 17.4	1.531	2.321	17.9	21.6

112044 2002 JO_{4} 11 17.7 122°68 13°1/10.6 18

10 18	3 57.72	−16 19.5	1.812	2.618	15.5	19.4
10 28	3 51.07	−17 35.7	1.780	2.623	14.0	19.3
11 7	3 42.57	−18 26.2	1.769	2.628	13.1	19.3
11 17	3 33.16	−18 44.3	1.780	2.633	13.3	19.3
11 27	3 23.93	−18 27.1	1.814	2.638	14.3	19.4
12 7	3 15.92	−17 36.0	1.870	2.642	15.8	19.5
12 17	3 9.90	−16 15.8	1.944	2.646	17.5	19.7
12 27	3 6.33	−14 33.0	2.034	2.651	19.0	19.8

269846 2000 DQ_{9} 11 17.7 257°00 0°2/17.6 18

10 18	3 59.41	+20 10.4	1.656	2.523	13.8	22.2
10 28	3 52.82	+19 49.6	1.575	2.509	9.8	21.9
11 7	3 43.79	+19 20.4	1.519	2.494	5.3	21.6
11 17	3 33.25	+18 44.4	1.490	2.479	0.3	21.2
11 27	3 22.53	+18 5.8	1.489	2.463	4.8	21.5
12 7	3 12.97	+17 29.7	1.516	2.447	9.6	21.8
12 17	3 5.65	+17 1.3	1.568	2.431	13.9	22.0
12 27	3 1.30	+16 44.5	1.641	2.415	17.5	22.2

305242 2007 XV_{32} 11 17.7 329°46 6°1/15.7 18

10 18	3 58.13	+ 3 54.4	1.530	2.403	14.4	19.9
10 28	3 51.89	+ 3 48.7	1.461	2.390	10.8	19.7
11 7	3 43.28	+ 3 53.6	1.416	2.378	7.5	19.5
11 17	3 33.22	+ 4 13.1	1.396	2.366	6.1	19.4
11 27	3 23.00	+ 4 49.8	1.404	2.355	8.3	19.5
12 7	3 13.95	+ 5 43.9	1.437	2.344	12.0	19.7
12 17	3 7.11	+ 6 53.7	1.494	2.335	15.7	19.9
12 27	3 3.18	+ 8 16.3	1.570	2.326	19.0	20.1

89826 2002 BH_{15} 11 17.7 247°92 0°0/17.7 18

10 18	3 55.60	+20 30.9	2.070	2.933	11.6	19.6
10 28	3 49.62	+20 9.9	2.000	2.931	8.2	19.4
11 7	3 41.87	+19 42.0	1.956	2.930	4.4	19.2
11 17	3 33.13	+19 9.1	1.940	2.928	0.3	18.8
11 27	3 24.39	+18 34.5	1.953	2.927	3.8	19.1
12 7	3 16.63	+18 2.1	1.995	2.925	7.7	19.4
12 17	3 10.63	+17 35.6	2.064	2.924	11.2	19.6
12 27	3 6.92	+17 18.0	2.155	2.922	14.1	19.8

365384 2009 VL_{23} 11 17.7 31°78 0°8/17.1 15

10 18	3 54.04	+21 56.1	1.588	2.463	13.8	20.0
10 28	3 48.61	+20 29.8	1.545	2.482	9.6	19.8
11 7	3 41.28	+18 52.9	1.526	2.502	5.0	19.5
11 17	3 33.08	+17 11.7	1.535	2.523	0.8	19.3
11 27	3 25.21	+15 34.2	1.572	2.544	4.8	19.6
12 7	3 18.72	+14 8.1	1.637	2.567	9.1	19.9
12 17	3 14.34	+12 58.7	1.726	2.589	12.8	20.2
12 27	3 12.48	+12 8.7	1.838	2.613	15.9	20.5

82845 2001 QR_{50} 11 17.7 72°89 6°1/14.7 18

10 18	3 56.91	+ 3 32.9	1.778	2.646	12.9	19.1
10 28	3 50.45	+ 2 49.8	1.738	2.662	9.7	19.0
11 7	3 42.23	+ 2 15.4	1.722	2.678	7.0	18.8
11 17	3 33.15	+ 1 54.5	1.733	2.694	6.2	18.8
11 27	3 24.28	+ 1 50.4	1.772	2.710	8.0	19.0
12 7	3 16.61	+ 2 4.2	1.837	2.726	10.9	19.2
12 17	3 10.87	+ 2 35.1	1.925	2.742	13.7	19.4
12 27	3 7.50	+ 3 20.8	2.034	2.757	16.2	19.6

517990 2015 UB_{36} 11 17.7 180°.17 1°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.83	+15 50.7	2.222	3.085	10.9	21.9
10 28	3 50.35	+15 35.7	2.154	3.086	7.7	21.7
11 7	3 42.21	+15 18.1	2.112	3.087	4.1	21.4
11 17	3 33.16	+14 59.9	2.100	3.087	1.3	21.2
11 27	3 24.11	+14 43.7	2.117	3.087	4.1	21.4
12 7	3 15.97	+14 32.3	2.164	3.086	7.7	21.7
12 17	3 9.47	+14 27.8	2.237	3.085	10.9	21.9
12 27	3 5.12	+14 32.1	2.333	3.084	13.6	22.1

57407 2001 RB_{112} 11 17.7 289°.21 1°.4/17.0 18

10 18	3 58.13	+17 20.9	1.487	2.365	14.5	19.4
10 28	3 52.05	+16 56.3	1.413	2.352	10.3	19.2
11 7	3 43.43	+16 25.7	1.362	2.338	5.5	18.9
11 17	3 33.24	+15 52.0	1.337	2.325	1.4	18.6
11 27	3 22.87	+15 19.9	1.340	2.312	5.5	18.8
12 7	3 13.76	+14 54.4	1.369	2.299	10.5	19.1
12 17	3 7.02	+14 39.9	1.421	2.286	15.0	19.3
12 27	3 3.38	+14 39.2	1.493	2.273	18.7	19.5

156602 2002 GN_{82} 11 17.7 333°.03 0°.1/17.6 18

10 18	3 57.33	+18 19.6	1.980	2.845	12.0	19.6
10 28	3 50.96	+18 31.4	1.910	2.842	8.5	19.4
11 7	3 42.64	+18 39.3	1.865	2.839	4.5	19.1
11 17	3 33.19	+18 44.2	1.847	2.836	0.3	18.8
11 27	3 23.66	+18 47.5	1.860	2.833	4.0	19.1
12 7	3 15.11	+18 51.5	1.901	2.831	8.0	19.3
12 17	3 8.41	+18 58.9	1.968	2.829	11.6	19.5
12 27	3 4.16	+19 12.0	2.057	2.827	14.6	19.7

432598 2010 SJ_3 11 17.7 355°.67 4°.4/19.3 18

10 18	3 58.26	+27 55.9	1.048	1.928	19.0	21.0
10 28	3 53.00	+28 18.3	0.990	1.923	14.2	20.7
11 7	3 44.23	+28 21.4	0.952	1.920	8.9	20.4
11 17	3 33.30	+28 3.2	0.935	1.918	4.7	20.2
11 27	3 22.26	+27 26.6	0.943	1.917	6.6	20.3
12 7	3 13.17	+26 39.5	0.973	1.917	11.8	20.6
12 17	3 7.49	+25 51.9	1.024	1.918	16.9	20.9
12 27	3 5.97	+25 12.6	1.093	1.920	21.2	21.1

139515 2001 PD_{53} 11 17.7 200°.24 2°.6/16.1 18 R

10 18	3 55.97	+13 23.2	1.996	2.866	11.6	20.2
10 28	3 49.86	+12 44.3	1.930	2.865	8.2	20.0
11 7	3 41.99	+12 3.9	1.890	2.863	4.6	19.8
11 17	3 33.15	+11 25.6	1.879	2.862	2.6	19.6
11 27	3 24.33	+10 53.3	1.896	2.860	5.2	19.8
12 7	3 16.50	+10 30.6	1.942	2.858	8.8	20.0
12 17	3 10.43	+10 19.7	2.013	2.856	12.2	20.2
12 27	3 6.64	+10 21.9	2.106	2.853	15.0	20.4

383595 2007 HB_1 11 17.7 254°.05 0°.1/17.6 18

10 18	3 58.40	+21 31.9	1.726	2.591	13.4	21.1
10 28	3 52.00	+20 48.4	1.645	2.577	9.6	20.9
11 7	3 43.31	+19 53.8	1.588	2.563	5.1	20.6
11 17	3 33.25	+18 50.8	1.559	2.548	0.3	20.2
11 27	3 23.07	+17 44.8	1.559	2.532	4.6	20.5
12 7	3 14.04	+16 42.2	1.586	2.516	9.3	20.7
12 17	3 7.17	+15 49.1	1.639	2.500	13.5	20.9
12 27	3 3.11	+15 10.2	1.714	2.484	17.0	21.1

478785 2012 UD_{137} 11 17.7 4°.90 0°.4/17.5 18

10 18	3 58.49	+17 33.2	1.245	2.130	16.1	20.8
10 28	3 52.54	+17 50.5	1.188	2.130	11.4	20.5
11 7	3 43.75	+18 4.0	1.153	2.130	6.1	20.2
11 17	3 33.28	+18 14.1	1.143	2.131	0.5	19.8
11 27	3 22.77	+18 23.2	1.158	2.134	5.5	20.2
12 7	3 13.84	+18 34.3	1.199	2.137	10.8	20.5
12 17	3 7.68	+18 50.7	1.262	2.141	15.5	20.8
12 27	3 4.98	+19 14.9	1.345	2.146	19.3	21.1

214695 2006 SP_{294} 11 17.7 257°.94 0°.9/18.1 18

10 18	3 56.96	+22 51.4	1.885	2.746	12.7	20.4
10 28	3 50.76	+22 35.3	1.815	2.744	9.1	20.2
11 7	3 42.56	+22 9.8	1.770	2.742	5.0	20.0
11 17	3 33.21	+21 36.3	1.753	2.741	1.0	19.7
11 27	3 23.86	+20 58.2	1.764	2.739	4.0	19.9
12 7	3 15.62	+20 20.1	1.804	2.737	8.2	20.1
12 17	3 9.35	+19 46.6	1.869	2.735	11.9	20.4
12 27	3 5.64	+19 21.8	1.957	2.733	15.0	20.6

29817 1999 CG_{117} 11 17.7 339°.55 9°.3/12.6 18

10 18	3 52.74	+ 3 53.5	1.170	2.064	16.2	17.4
10 28	3 48.45	+ 2 2.2	1.116	2.052	12.6	17.1
11 7	3 41.56	+ 0 18.3	1.083	2.041	9.8	17.0
11 17	3 33.16	− 1 6.3	1.073	2.031	9.6	16.9
11 27	3 24.71	− 2 1.4	1.087	2.022	12.3	17.0
12 7	3 17.68	− 2 21.9	1.123	2.014	16.1	17.2
12 17	3 13.16	− 2 7.9	1.177	2.007	19.8	17.5
12 27	3 11.81	− 1 23.8	1.247	2.002	23.0	17.7

149025 2002 AU_{123} 11 17.7 296°.58 0°.8/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.06	+22 12.4	1.928	2.791	12.3	20.3
10 28	3 50.25	+22 2.7	1.843	2.773	8.9	20.0
11 7	3 42.37	+21 44.6	1.783	2.756	4.9	19.8
11 17	3 33.22	+21 18.9	1.750	2.739	0.9	19.4
11 27	3 23.87	+20 48.4	1.747	2.721	4.0	19.7
12 7	3 15.48	+20 17.4	1.771	2.704	8.3	19.9
12 17	3 8.97	+19 50.2	1.821	2.687	12.1	20.1
12 27	3 5.01	+19 30.8	1.893	2.670	15.4	20.3

50731 2000 EA_{150} 11 17.7 257°.65 6°.6/14.2 18

10 18	3 56.47	+ 1 31.5	1.945	2.807	12.3	18.1
10 28	3 50.28	+ 0 47.9	1.879	2.797	9.5	17.9
11 7	3 42.27	+ 0 13.3	1.839	2.788	7.2	17.8
11 17	3 33.21	− 0 7.6	1.825	2.778	6.7	17.7
11 27	3 24.12	− 0 10.7	1.839	2.769	8.4	17.8
12 7	3 15.97	+ 0 5.5	1.880	2.759	11.2	18.0
12 17	3 9.58	+ 0 40.4	1.944	2.749	14.1	18.1
12 27	3 5.49	+ 1 32.0	2.028	2.739	16.6	18.3

305195 2007 VF_{326} 11 17.7 311°.40 2°.2/16.8 18

10 18	3 57.68	+13 46.5	1.592	2.469	13.7	21.0
10 28	3 51.68	+13 44.8	1.513	2.451	9.8	20.7
11 7	3 43.26	+13 42.8	1.459	2.434	5.4	20.4
11 17	3 33.29	+13 42.8	1.430	2.417	2.2	20.1
11 27	3 23.06	+13 47.5	1.430	2.400	5.6	20.3
12 7	3 13.91	+13 59.5	1.456	2.383	10.2	20.6
12 17	3 6.94	+14 20.9	1.506	2.367	14.5	20.8
12 27	3 2.90	+14 52.8	1.577	2.352	18.1	21.0

278561 2008 GA_{74} 11 17.7 97°.05 2°.4/16.6 16

10 18	4 2.16	+13 43.4	1.637	2.505	13.8	21.6
10 28	3 54.23	+13 21.9	1.596	2.530	9.7	21.4
11 7	3 44.27	+12 59.6	1.581	2.554	5.3	21.2
11 17	3 33.34	+12 39.4	1.593	2.578	2.4	21.0
11 27	3 22.74	+12 25.0	1.634	2.601	5.5	21.3
12 7	3 13.63	+12 19.2	1.703	2.623	9.6	21.6
12 17	3 6.83	+12 23.9	1.797	2.645	13.2	21.9
12 27	3 2.78	+12 39.9	1.912	2.666	16.1	22.1

279188 2009 SF_{356} 11 17.7 169°.68 0°.3/17.6 18

10 18	4 1.01	+18 31.9	1.678	2.544	13.7	20.5
10 28	3 53.77	+18 33.7	1.613	2.546	9.7	20.3
11 7	3 44.23	+18 30.3	1.573	2.548	5.1	20.0
11 17	3 33.35	+18 22.8	1.560	2.549	0.4	19.7
11 27	3 22.46	+18 13.6	1.576	2.550	4.6	20.0
12 7	3 12.85	+18 6.3	1.621	2.551	9.2	20.3
12 17	3 5.51	+18 4.2	1.690	2.551	13.2	20.5
12 27	3 1.05	+18 10.3	1.781	2.551	16.5	20.8

26235 Annemaduggan 11 17.7 119°.78 3°.1/19.4 18

10 18	4 1.44	+28 45.7	1.589	2.438	15.2	19.2
10 28	3 54.17	+28 33.1	1.529	2.448	11.3	19.0
11 7	3 44.42	+28 3.5	1.493	2.457	6.9	18.7
11 17	3 33.36	+27 17.5	1.483	2.466	3.3	18.5
11 27	3 22.46	+26 19.2	1.501	2.474	4.9	18.7
12 7	3 13.13	+25 15.7	1.547	2.482	9.1	18.9
12 17	3 6.37	+24 14.6	1.618	2.490	13.1	19.2
12 27	3 2.73	+23 22.4	1.711	2.498	16.4	19.4

399735 2005 DD_1 11 17.7 266°.75 9°.6/12.3 18

10 18	4 1.32	−10 35.0	2.259	3.070	12.6	21.7
10 28	3 53.66	−11 14.0	2.176	3.040	10.9	21.5
11 7	3 44.10	−11 36.3	2.116	3.009	9.8	21.4
11 17	3 33.36	−11 36.3	2.084	2.978	9.7	21.3
11 27	3 22.39	−11 10.1	2.078	2.945	10.9	21.3
12 7	3 12.20	−10 17.4	2.099	2.912	12.9	21.4
12 17	3 3.65	− 9 0.8	2.144	2.878	15.2	21.5
12 27	2 57.36	− 7 24.3	2.208	2.843	17.2	21.6

148275 2000 GB_{49} 11 17.7 257°.43 1°.3/18.3 18

10 18	4 0.19	+23 9.8	1.652	2.513	14.1	20.2
10 28	3 53.46	+23 7.3	1.572	2.501	10.2	19.9
11 7	3 44.21	+22 54.4	1.516	2.488	5.7	19.6
11 17	3 33.38	+22 31.5	1.487	2.475	1.5	19.3
11 27	3 22.35	+22 1.3	1.487	2.461	4.6	19.5
12 7	3 12.52	+21 28.7	1.514	2.448	9.3	19.8
12 17	3 5.02	+20 59.4	1.566	2.434	13.6	20.0
12 27	3 0.57	+20 38.2	1.639	2.420	17.3	20.2

523225 2016 XO_2 11 17.7 212°.79 0°.1/17.7 18

10 18	3 57.48	+21 34.4	2.067	2.926	11.8	21.2
10 28	3 51.00	+20 58.3	1.991	2.920	8.4	21.0
11 7	3 42.66	+20 13.4	1.941	2.914	4.5	20.8
11 17	3 33.28	+19 21.9	1.919	2.908	0.3	20.4
11 27	3 23.89	+18 28.0	1.928	2.901	3.9	20.7
12 7	3 15.51	+17 36.5	1.965	2.894	7.9	20.9
12 17	3 8.95	+16 52.0	2.030	2.886	11.5	21.1
12 27	3 4.76	+16 18.3	2.117	2.878	14.5	21.3

86846 2000 GC_{173} 11 17.7 131°.74 4°.3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.84	+ 9 50.1	1.660	2.533	13.4	20.0
10 28	3 52.04	+ 9 1.7	1.607	2.541	9.6	19.8
11 7	3 43.22	+ 8 15.4	1.580	2.549	5.9	19.6
11 17	3 33.32	+ 7 36.3	1.579	2.556	4.4	19.5
11 27	3 23.56	+ 7 9.1	1.607	2.563	6.9	19.7
12 7	3 15.09	+ 6 57.0	1.661	2.570	10.6	19.9
12 17	3 8.74	+ 7 1.2	1.740	2.576	14.1	20.2
12 27	3 5.03	+ 7 21.2	1.839	2.582	17.0	20.4

517290 2014 HB_{7} 11 17.7 232°.18 0°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.45	+17 47.7	1.894	2.758	12.5	21.7
10 28	3 52.58	+17 48.8	1.819	2.751	8.8	21.5
11 7	3 43.60	+17 45.9	1.770	2.744	4.7	21.2
11 17	3 33.36	+17 39.9	1.748	2.737	0.6	20.9
11 27	3 23.00	+17 33.3	1.756	2.729	4.3	21.2
12 7	3 13.68	+17 28.8	1.793	2.721	8.6	21.4
12 17	3 6.34	+17 29.4	1.856	2.713	12.4	21.6
12 27	3 1.60	+17 37.7	1.940	2.704	15.5	21.9

275246 2009 XD_{7} 11 17.7 289°.11 3°.5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.68	+31 52.4	2.246	3.077	12.0	20.4
10 28	3 49.82	+31 36.9	2.159	3.063	9.2	20.2
11 7	3 42.09	+31 6.1	2.095	3.049	6.1	20.0
11 17	3 33.26	+30 19.9	2.060	3.035	3.7	19.8
11 27	3 24.36	+29 21.0	2.053	3.021	4.4	19.9
12 7	3 16.42	+28 14.1	2.076	3.008	7.3	20.0
12 17	3 10.27	+27 5.3	2.125	2.994	10.5	20.2
12 27	3 6.48	+26 0.6	2.199	2.980	13.4	20.4

172239 2002 RO_{182} 11 17.7 51°.14 7°.3/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.52	+40 5.9	1.708	2.515	16.2	19.6
10 28	3 53.70	+40 12.2	1.646	2.522	13.2	19.5
11 7	3 44.25	+39 53.2	1.605	2.531	10.1	19.3
11 17	3 33.40	+39 6.7	1.588	2.539	7.7	19.2
11 27	3 22.72	+37 55.1	1.597	2.548	7.6	19.2
12 7	3 13.71	+36 26.0	1.634	2.556	9.7	19.3
12 17	3 7.40	+34 49.3	1.695	2.565	12.7	19.5
12 27	3 4.34	+33 15.0	1.779	2.574	15.5	19.8

71507 2000 CP_{34} 11 17.7 329°.79 0°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.67	+19 42.7	1.997	2.864	11.8	19.4
10 28	3 49.12	+19 30.2	1.924	2.857	8.3	19.2
11 7	3 41.72	+19 11.8	1.875	2.850	4.4	18.9
11 17	3 33.24	+18 49.0	1.855	2.843	0.3	18.6
11 27	3 24.70	+18 24.9	1.863	2.837	3.9	18.9
12 7	3 17.11	+18 2.8	1.900	2.831	7.9	19.1
12 17	3 11.29	+17 46.4	1.962	2.826	11.5	19.3
12 27	3 7.80	+17 38.2	2.047	2.820	14.5	19.5

64687 2001 XC_{74} 11 17.7 249°.01 0°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.82	+19 26.1	1.661	2.531	13.6	19.6
10 28	3 51.57	+18 45.6	1.590	2.525	9.6	19.3
11 7	3 43.10	+17 56.7	1.543	2.519	5.1	19.1
11 17	3 33.33	+17 2.7	1.524	2.512	0.8	18.8
11 27	3 23.54	+16 8.6	1.533	2.506	4.9	19.0
12 7	3 14.96	+15 20.5	1.570	2.499	9.5	19.3
12 17	3 8.56	+14 43.3	1.631	2.492	13.6	19.5
12 27	3 4.95	+14 20.2	1.713	2.485	17.0	19.7

26962 1997 PE_{3} 11 17.7 203°.57 4°.1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.06	+33 1.5	2.385	3.202	11.9	19.4
10 28	3 52.84	+33 14.0	2.304	3.197	9.2	19.2
11 7	3 43.68	+33 12.3	2.247	3.192	6.4	19.1
11 17	3 33.37	+32 55.1	2.218	3.186	4.3	18.9
11 27	3 22.99	+32 23.5	2.219	3.180	4.8	19.0
12 7	3 13.59	+31 41.2	2.249	3.173	7.3	19.1
12 17	3 6.03	+30 53.6	2.307	3.166	10.2	19.3
12 27	3 0.91	+30 6.3	2.389	3.158	12.8	19.4

269888 2000 GX_{38} 11 17.7 180°.12 1°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.96	+16 19.3	1.954	2.819	12.1	21.4
10 28	3 52.02	+15 38.0	1.888	2.821	8.5	21.2
11 7	3 43.20	+14 52.2	1.847	2.822	4.6	21.0
11 17	3 33.35	+14 5.3	1.836	2.822	1.7	20.8
11 27	3 23.55	+13 21.7	1.854	2.822	4.8	21.0
12 7	3 14.84	+12 45.7	1.901	2.821	8.7	21.2
12 17	3 8.04	+12 20.6	1.974	2.819	12.3	21.5
12 27	3 3.68	+12 8.4	2.068	2.817	15.2	21.7

41429 2000 GE_{2} 11 17.7 61°.72 2°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 55.45	+26 55.6	0.552	1.411	33.3	21.4
10 28	4 29.47	+26 34.8	0.568	1.493	22.6	21.2
11 7	4 0.95	+25 38.4	0.602	1.572	12.0	21.1
11 17	3 34.32	+24 15.1	0.660	1.647	3.2	21.0
11 27	3 13.14	+22 45.1	0.743	1.718	7.8	21.6
12 7	2 58.76	+21 27.4	0.851	1.786	14.5	22.2
12 17	2 50.82	+20 31.3	0.978	1.850	19.6	22.8
12 27	2 48.35	+19 58.8	1.122	1.910	23.2	23.3

27948 1997 NQ_{3} 11 17.7 121°.98 1°.3/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.25	+17 22.7	1.762	2.628	13.1	19.1
10 28	3 52.95	+16 50.8	1.710	2.643	9.2	18.9
11 7	3 43.67	+16 14.1	1.683	2.657	4.8	18.7
11 17	3 33.38	+15 35.6	1.684	2.671	1.3	18.4
11 27	3 23.29	+14 59.4	1.714	2.685	4.8	18.7
12 7	3 14.52	+14 29.9	1.773	2.697	8.9	19.0
12 17	3 7.89	+14 10.4	1.857	2.710	12.6	19.3
12 27	3 3.88	+14 2.9	1.963	2.721	15.6	19.5

285611 2000 QP_{216} 11 17.7 41°.05 1°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.25	+23 12.9	0.990	1.877	19.2	19.9
10 28	3 54.71	+23 19.3	0.954	1.894	13.7	19.7
11 7	3 44.91	+23 11.6	0.938	1.913	7.6	19.4
11 17	3 33.46	+22 50.8	0.945	1.932	2.0	19.1
11 27	3 22.42	+22 21.6	0.976	1.953	5.8	19.5
12 7	3 13.66	+21 51.6	1.030	1.974	11.5	19.8
12 17	3 8.29	+21 27.7	1.106	1.995	16.4	20.2
12 27	3 6.81	+21 14.9	1.201	2.017	20.3	20.5

189882 2003 RZ_{12} 11 17.7 343°.46 8°.4/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 51.47	+ 0 9.9	1.699	2.572	13.2	18.8
10 28	3 46.96	− 1 24.1	1.643	2.562	10.5	18.6
11 7	3 40.60	− 2 48.2	1.611	2.553	8.7	18.5
11 17	3 33.19	− 3 54.5	1.605	2.545	8.7	18.4
11 27	3 25.79	− 4 36.5	1.624	2.538	10.6	18.5
12 7	3 19.39	− 4 51.3	1.667	2.531	13.2	18.7
12 17	3 14.79	− 4 39.3	1.731	2.525	16.0	18.9
12 27	3 12.55	− 4 3.3	1.813	2.520	18.4	19.0

101218 1998 SR_{54} 11 17.7 117°.55 4°.4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.61	+ 8 54.2	1.996	2.865	11.7	19.7
10 28	3 50.16	+ 7 44.6	1.949	2.879	8.5	19.5
11 7	3 42.12	+ 6 37.5	1.928	2.893	5.5	19.4
11 17	3 33.30	+ 5 38.1	1.936	2.907	4.5	19.3
11 27	3 24.65	+ 4 51.3	1.973	2.920	6.6	19.5
12 7	3 17.09	+ 4 20.4	2.038	2.933	9.6	19.7
12 17	3 11.29	+ 4 6.5	2.127	2.945	12.5	19.9
12 27	3 7.68	+ 4 9.3	2.238	2.957	15.0	20.1

1729 Beryl 11 17.7 137°.52 1°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.46	+23 9.4	1.519	2.382	15.1	16.1
10 28	3 54.96	+23 3.1	1.461	2.390	10.8	15.9
11 7	3 44.93	+22 45.5	1.425	2.397	6.0	15.6
11 17	3 33.49	+22 17.7	1.416	2.404	1.4	15.4
11 27	3 22.15	+21 43.3	1.436	2.410	4.7	15.6
12 7	3 12.36	+21 7.8	1.483	2.417	9.5	15.9
12 17	3 5.15	+20 37.0	1.554	2.422	13.7	16.2
12 27	3 1.12	+20 15.7	1.646	2.427	17.2	16.4

450171 2001 SW_{317} 11 17.7 89°.12 4°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.80	+31 55.5	2.003	2.828	13.5	21.2
10 28	3 54.84	+32 31.0	1.950	2.849	10.3	21.1
11 7	3 44.74	+32 51.3	1.922	2.870	7.0	20.9
11 17	3 33.48	+32 54.6	1.922	2.891	4.7	20.8
11 27	3 22.34	+32 41.7	1.950	2.911	5.4	20.9
12 7	3 12.55	+32 16.8	2.007	2.932	8.1	21.1
12 17	3 5.01	+31 45.7	2.091	2.951	11.0	21.3
12 27	3 0.25	+31 14.2	2.197	2.971	13.6	21.6

366993 2005 YO_{167} 11 17.7 200°.79 4°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.93	+ 4 10.9	2.788	3.645	9.2	21.4
10 28	3 48.08	+ 3 33.6	2.722	3.641	6.9	21.3
11 7	3 41.00	+ 3 1.1	2.683	3.637	4.9	21.2
11 17	3 33.24	+ 2 36.5	2.673	3.632	4.4	21.1
11 27	3 25.49	+ 2 22.5	2.693	3.627	5.8	21.2
12 7	3 18.40	+ 2 20.7	2.741	3.621	8.1	21.3
12 17	3 12.52	+ 2 31.5	2.816	3.615	10.3	21.5
12 27	3 8.29	+ 2 54.5	2.913	3.609	12.3	21.6

496770 2017 BF_{100} 11 17.7 338°.53 3°.2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.15	+27 7.0	1.527	2.389	15.0	20.8
10 28	3 51.50	+27 19.4	1.456	2.381	11.2	20.6
11 7	3 43.24	+27 17.7	1.407	2.373	6.9	20.3
11 17	3 33.40	+27 1.3	1.383	2.366	3.4	20.1
11 27	3 23.41	+26 32.3	1.386	2.359	5.1	20.2
12 7	3 14.73	+25 55.9	1.415	2.353	9.4	20.4
12 17	3 8.51	+25 18.7	1.468	2.348	13.6	20.7
12 27	3 5.47	+24 47.1	1.542	2.343	17.3	20.9

68193 2001 BA_{62} 11 17.7 191°.60 4°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.64	+ 6 13.5	2.341	3.206	10.3	19.6
10 28	3 48.04	+ 5 17.5	2.280	3.206	7.6	19.5
11 7	3 41.03	+ 4 25.3	2.245	3.205	5.3	19.3
11 17	3 33.26	+ 3 41.1	2.240	3.204	4.7	19.3
11 27	3 25.52	+ 3 8.7	2.263	3.203	6.4	19.4
12 7	3 18.59	+ 2 50.8	2.314	3.201	9.0	19.6
12 17	3 13.09	+ 2 48.1	2.390	3.200	11.6	19.7
12 27	3 9.47	+ 3 0.4	2.488	3.198	13.8	19.9

441899 2010 EU_{66} 11 17.7 182°.74 2°.9/16.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.63	+13 3.8	1.763	2.636	12.8	21.9
10 28	3 51.25	+12 25.4	1.701	2.636	9.1	21.7
11 7	3 42.87	+11 45.8	1.663	2.636	5.1	21.4
11 17	3 33.39	+11 8.9	1.653	2.636	2.9	21.3
11 27	3 23.94	+10 39.1	1.672	2.636	5.8	21.5
12 7	3 15.62	+10 20.2	1.718	2.635	9.7	21.7
12 17	3 9.31	+10 14.5	1.789	2.635	13.3	21.9
12 27	3 5.56	+10 22.8	1.881	2.634	16.3	22.2

505639 2014 MO_{70} 11 17.7 263°.98 16°.3/24.4 17

10 18	4 13.01	+50 31.4	1.224	1.993	23.4	21.0
10 28	4 5.17	+52 23.7	1.160	1.986	20.9	20.8
11 7	3 51.63	+53 40.1	1.110	1.979	18.5	20.7
11 17	3 34.01	+54 5.7	1.080	1.972	16.8	20.5
11 27	3 15.59	+53 33.1	1.069	1.965	16.4	20.5
12 7	3 0.07	+52 8.0	1.078	1.957	17.6	20.5
12 17	2 49.96	+50 7.2	1.106	1.950	19.9	20.7
12 27	2 46.20	+47 51.4	1.152	1.943	22.5	20.8

10500 Nishi–koen 11 17.7 205°.80 0°.6/18.0 18

10 18	3 59.25	+21 0.3	2.342	3.193	10.9	17.9
10 28	3 52.17	+21 6.3	2.263	3.188	7.8	17.6
11 7	3 43.33	+21 6.4	2.211	3.182	4.2	17.4
11 17	3 33.43	+21 1.1	2.188	3.176	0.7	17.1
11 27	3 23.44	+20 52.0	2.196	3.169	3.5	17.3
12 7	3 14.31	+20 41.7	2.234	3.162	7.1	17.6
12 17	3 6.84	+20 33.1	2.300	3.154	10.4	17.8
12 27	3 1.58	+20 29.3	2.389	3.146	13.1	17.9

481599 2007 TX_{259} 11 17.7 303°.32 6°.7/18.6 17

10 18	4 9.72	+30 17.8	1.665	2.495	15.5	20.6
10 28	4 1.24	+32 14.6	1.567	2.467	12.3	20.4
11 7	3 49.02	+34 4.3	1.492	2.438	8.9	20.1
11 17	3 33.87	+35 38.1	1.446	2.410	6.8	19.9
11 27	3 17.40	+36 48.7	1.429	2.381	8.0	19.9
12 7	3 1.71	+37 34.4	1.440	2.353	11.5	20.1
12 17	2 48.70	+37 59.5	1.476	2.325	15.5	20.2
12 27	2 39.72	+38 12.7	1.534	2.297	19.0	20.4

438329 2006 KL_{65} 11 17.7 126°.40 5°.2/15.3 18

10 18	3 58.33	+ 5 29.5	1.837	2.704	12.7	21.4
10 28	3 51.58	+ 4 56.9	1.785	2.711	9.4	21.2
11 7	3 42.99	+ 4 30.9	1.757	2.718	6.4	21.1
11 17	3 33.42	+ 4 15.5	1.757	2.724	5.3	21.0
11 27	3 23.95	+ 4 14.0	1.785	2.731	7.3	21.2
12 7	3 15.62	+ 4 27.9	1.840	2.737	10.4	21.4
12 17	3 9.20	+ 4 57.1	1.919	2.743	13.5	21.6
12 27	3 5.20	+ 5 40.0	2.020	2.748	16.1	21.8

215635 2003 TY_{4} 11 17.7 114°.45 0°.7/17.3 17

10 18	4 1.67	+20 18.2	1.537	2.405	14.7	20.9
10 28	3 54.15	+19 28.5	1.488	2.422	10.3	20.6
11 7	3 44.39	+18 29.7	1.463	2.438	5.4	20.4
11 17	3 33.52	+17 25.8	1.465	2.454	0.7	20.1
11 27	3 22.96	+16 23.0	1.497	2.469	5.0	20.5
12 7	3 13.97	+15 27.8	1.555	2.484	9.6	20.8
12 17	3 7.44	+14 45.1	1.639	2.498	13.6	21.0
12 27	3 3.85	+14 17.9	1.743	2.511	16.9	21.3

40064 1998 KW_{50} 11 17.7 188°.95 4°.8/14.9 18

10 18	3 57.04	+ 7 14.9	1.976	2.843	11.9	18.9
10 28	3 50.65	+ 6 23.8	1.915	2.843	8.7	18.7
11 7	3 42.51	+ 5 36.3	1.879	2.842	5.8	18.5
11 17	3 33.41	+ 4 57.0	1.871	2.841	4.8	18.4
11 27	3 24.33	+ 4 30.4	1.892	2.839	6.9	18.6
12 7	3 16.26	+ 4 19.1	1.941	2.837	10.0	18.8
12 17	3 9.95	+ 4 24.1	2.014	2.834	13.1	18.9
12 27	3 5.92	+ 4 44.8	2.108	2.831	15.7	19.1

412001 2012 KV_{35} 11 17.7 333°.56 3°.9/14.8 18

10 18	3 52.70	+11 35.5	1.964	2.841	11.5	20.3
10 28	3 47.65	+10 10.6	1.899	2.835	8.2	20.1
11 7	3 40.94	+ 8 44.1	1.859	2.829	5.1	19.9
11 17	3 33.30	+ 7 21.9	1.848	2.823	4.1	19.9
11 27	3 25.69	+ 6 10.2	1.865	2.818	6.4	20.0
12 7	3 19.02	+ 5 14.0	1.910	2.813	9.8	20.2
12 17	3 14.01	+ 4 36.3	1.980	2.808	12.9	20.4
12 27	3 11.16	+ 4 17.8	2.070	2.804	15.6	20.6

220836 2004 UE_{7} 11 17.7 38°.15 2°.2/18.9 17

10 18	3 57.41	+25 53.1	1.564	2.427	14.7	19.9
10 28	3 51.20	+25 45.0	1.524	2.451	10.6	19.7
11 7	3 42.83	+25 24.0	1.506	2.476	6.1	19.5
11 17	3 33.42	+24 51.3	1.515	2.501	2.3	19.4
11 27	3 24.31	+24 11.1	1.552	2.526	4.4	19.6
12 7	3 16.71	+23 29.0	1.615	2.553	8.5	19.9
12 17	3 11.46	+22 50.6	1.703	2.579	12.3	20.1
12 27	3 9.00	+22 20.5	1.813	2.607	15.4	20.4

492776 2014 QB_{212} 11 17.7 11°.20 3°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.17	+12 24.9	1.851	2.728	12.1	21.1
10 28	3 48.75	+11 45.2	1.792	2.729	8.6	20.9
11 7	3 41.54	+11 5.3	1.758	2.731	4.9	20.7
11 17	3 33.35	+10 28.9	1.751	2.733	3.1	20.6
11 27	3 25.21	+10 0.3	1.773	2.736	5.6	20.8
12 7	3 18.10	+ 9 42.9	1.822	2.739	9.3	21.0
12 17	3 12.80	+ 9 38.7	1.895	2.742	12.6	21.2
12 27	3 9.82	+ 9 48.0	1.990	2.746	15.5	21.4

272169 2005 OT_{5} 11 17.7 88°.69 2°.4/16.6 18

10 18	4 2.05	+14 37.7	1.533	2.405	14.4	21.1
10 28	3 54.27	+14 4.1	1.496	2.431	10.1	21.0
11 7	3 44.39	+13 28.6	1.483	2.457	5.5	20.8
11 17	3 33.53	+12 55.0	1.497	2.482	2.4	20.6
11 27	3 23.06	+12 27.8	1.540	2.507	5.7	20.9
12 7	3 14.18	+12 10.7	1.610	2.531	9.9	21.2
12 17	3 7.70	+12 6.0	1.704	2.555	13.6	21.5
12 27	3 4.07	+12 14.3	1.819	2.578	16.6	21.7

173490 2000 SP_{176} 11 17.7 36°.08 1°.8/18.6 18

10 18	3 58.35	+26 5.4	0.973	1.860	19.4	19.1
10 28	3 52.70	+25 21.1	0.936	1.875	14.0	18.8
11 7	3 43.88	+24 16.5	0.918	1.892	7.9	18.6
11 17	3 33.50	+22 56.3	0.922	1.910	2.1	18.3
11 27	3 23.59	+21 30.1	0.951	1.929	5.7	18.6
12 7	3 15.93	+20 9.4	1.004	1.948	11.5	19.0
12 17	3 11.55	+19 3.4	1.078	1.969	16.5	19.3
12 27	3 10.89	+18 17.2	1.170	1.990	20.5	19.7

42670 1998 HY_{35} 11 17.7 122°.45 0°.4/17.5 18

10 18	4 1.98	+19 12.5	1.575	2.442	14.4	18.4
10 28	3 54.47	+18 58.8	1.521	2.454	10.1	18.2
11 7	3 44.63	+18 38.3	1.491	2.465	5.4	18.0
11 17	3 33.56	+18 13.0	1.488	2.476	0.5	17.6
11 27	3 22.65	+17 46.6	1.514	2.487	4.8	18.0
12 7	3 13.20	+17 23.7	1.567	2.497	9.4	18.3
12 17	3 6.19	+17 8.3	1.645	2.507	13.4	18.6
12 27	3 2.15	+17 3.4	1.744	2.516	16.7	18.8

331570 2001 QS_{67} 11 17.7 43°.28 6°.0/20.8 18 R

10 18	4 0.96	+33 44.9	1.228	2.079	18.6	19.3
10 28	3 54.41	+33 51.3	1.183	2.095	14.4	19.1
11 7	3 44.79	+33 32.5	1.157	2.111	9.8	18.9
11 17	3 33.56	+32 47.2	1.155	2.128	6.4	18.7
11 27	3 22.69	+31 40.2	1.178	2.146	6.9	18.8
12 7	3 13.89	+30 21.3	1.226	2.164	10.6	19.1
12 17	3 8.29	+29 1.5	1.298	2.183	14.7	19.4
12 27	3 6.39	+27 50.2	1.389	2.202	18.2	19.7

393745 2005 ER_{71} 11 17.7 291°.13 2°.3/16.7 18

10 18	3 57.91	+13 54.9	1.679	2.553	13.3	20.3
10 28	3 51.72	+13 40.1	1.605	2.542	9.4	20.1
11 7	3 43.29	+13 24.1	1.556	2.530	5.2	19.8
11 17	3 33.49	+13 9.6	1.533	2.519	2.3	19.6
11 27	3 23.53	+12 59.9	1.539	2.507	5.5	19.8
12 7	3 14.67	+12 58.4	1.572	2.496	9.9	20.0
12 17	3 7.90	+13 7.2	1.629	2.485	13.9	20.2
12 27	3 3.88	+13 27.7	1.707	2.474	17.2	20.4

403046 2008 AU_{30} 11 17.7 195°.10 3°.5/15.5 18

10 18	3 56.11	+ 8 58.8	2.373	3.235	10.3	22.1
10 28	3 49.81	+ 8 24.7	2.305	3.233	7.5	21.9
11 7	3 42.02	+ 7 52.8	2.264	3.230	4.7	21.7
11 17	3 33.40	+ 7 26.1	2.253	3.227	3.5	21.6
11 27	3 24.78	+ 7 7.8	2.271	3.224	5.4	21.8
12 7	3 16.97	+ 7 0.1	2.318	3.220	8.3	21.9
12 17	3 10.65	+ 7 4.2	2.392	3.215	11.1	22.1
12 27	3 6.28	+ 7 20.3	2.487	3.210	13.5	22.3

140606 2001 UL_{3} 11 17.7 102°.46 1°.9/16.9 18

10 18	3 59.16	+13 20.4	2.015	2.879	11.8	19.8
10 28	3 52.09	+13 20.8	1.960	2.892	8.3	19.6
11 7	3 43.26	+13 21.3	1.931	2.904	4.5	19.4
11 17	3 33.48	+13 23.3	1.931	2.916	1.9	19.3
11 27	3 23.80	+13 28.9	1.961	2.928	4.6	19.5
12 7	3 15.21	+13 39.9	2.019	2.940	8.2	19.7
12 17	3 8.45	+13 57.6	2.104	2.952	11.5	20.0
12 27	3 4.03	+14 22.9	2.212	2.963	14.2	20.2

135037 2001 NK_{16} 11 17.7 1°.28 8°.7/13.4 18

10 18	3 49.20	+ 5 4.1	1.071	1.976	16.5	17.6
10 28	3 46.05	+ 3 28.3	1.028	1.971	12.6	17.4
11 7	3 40.37	+ 2 1.7	1.006	1.969	9.4	17.2
11 17	3 33.29	+ 0 55.0	1.006	1.970	9.0	17.2
11 27	3 26.29	+ 0 17.1	1.028	1.972	11.6	17.3
12 7	3 20.77	+ 0 11.7	1.071	1.977	15.3	17.6
12 17	3 17.74	+ 0 37.6	1.134	1.983	19.1	17.8
12 27	3 17.76	+ 1 30.0	1.212	1.992	22.2	18.1

453884 2011 UX_{170} 11 17.7 48°.51 2°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.86	+26 43.0	1.623	2.480	14.5	20.9
10 28	3 52.38	+26 48.4	1.567	2.491	10.7	20.7
11 7	3 43.58	+26 40.5	1.535	2.502	6.4	20.5
11 17	3 33.52	+26 19.2	1.529	2.513	2.9	20.3
11 27	3 23.57	+25 47.5	1.551	2.524	4.7	20.5
12 7	3 15.04	+25 10.7	1.600	2.536	8.7	20.7
12 17	3 8.89	+24 34.7	1.674	2.548	12.6	21.0
12 27	3 5.66	+24 4.9	1.769	2.560	15.8	21.2

355368 2007 TU_{287} 11 17.7 21°.19 5°.2/18.5 18

10 18	4 5.84	+23 47.8	1.051	1.928	19.1	18.8
10 28	3 58.36	+25 57.1	1.011	1.943	14.1	18.6
11 7	3 47.17	+27 56.0	0.993	1.960	8.9	18.3
11 17	3 33.78	+29 35.2	0.999	1.979	5.3	18.2
11 27	3 20.39	+30 49.7	1.030	1.999	7.4	18.4
12 7	3 9.19	+31 40.8	1.086	2.021	12.0	18.7
12 17	3 1.69	+32 15.1	1.163	2.045	16.3	19.1
12 27	2 58.58	+32 40.5	1.260	2.069	19.9	19.4

324146 2005 YP_{125} 11 17.7 343°.01 4°.0/20.2 17

10 18	3 56.76	+31 34.6	1.926	2.764	13.4	21.0
10 28	3 50.84	+31 37.0	1.853	2.760	10.3	20.8
11 7	3 42.78	+31 23.4	1.803	2.757	6.9	20.6
11 17	3 33.47	+30 53.4	1.779	2.754	4.3	20.4
11 27	3 24.13	+30 9.0	1.784	2.752	5.0	20.5
12 7	3 15.95	+29 15.3	1.816	2.749	8.1	20.7
12 17	3 9.85	+28 18.9	1.875	2.747	11.5	20.9
12 27	3 6.42	+27 25.9	1.956	2.746	14.5	21.1

143319 2003 AV_{54} 11 17.7 292°.59 0°.1/17.6 18

10 18	3 57.51	+19 10.4	1.908	2.773	12.3	20.2
10 28	3 51.21	+19 6.7	1.839	2.771	8.7	19.9
11 7	3 42.92	+18 57.6	1.794	2.769	4.7	19.7
11 17	3 33.49	+18 44.5	1.778	2.767	0.3	19.3
11 27	3 24.01	+18 29.8	1.791	2.765	4.1	19.6
12 7	3 15.57	+18 16.8	1.832	2.763	8.2	19.9
12 17	3 9.05	+18 8.8	1.899	2.761	11.9	20.1
12 27	3 5.04	+18 8.5	1.988	2.759	15.0	20.3

153396 2001 QY_{104} 11 17.7 38°.30 3°.6/19.1 18

10 18	4 1.49	+26 20.5	1.229	2.098	17.4	18.3
10 28	3 54.76	+26 53.8	1.183	2.111	12.8	18.0
11 7	3 45.02	+27 11.9	1.158	2.125	7.8	17.8
11 17	3 33.63	+27 13.3	1.157	2.140	3.8	17.6
11 27	3 22.40	+26 59.8	1.182	2.155	5.8	17.8
12 7	3 13.07	+26 37.5	1.232	2.171	10.4	18.1
12 17	3 6.80	+26 13.4	1.305	2.188	14.8	18.4
12 27	3 4.19	+25 54.2	1.398	2.205	18.4	18.7

412655 2014 OP_{192} 11 17.7 353°.26 7°.1/12.7 18

10 18	3 53.05	− 0 40.2	2.144	3.003	11.4	20.8
10 28	3 47.74	− 1 53.5	2.092	3.002	9.1	20.7
11 7	3 40.95	− 2 57.3	2.065	3.002	7.4	20.6
11 17	3 33.36	− 3 45.9	2.065	3.001	7.3	20.6
11 27	3 25.81	− 4 15.1	2.093	3.001	8.8	20.7
12 7	3 19.13	− 4 23.0	2.146	3.001	11.1	20.8
12 17	3 13.96	− 4 10.0	2.222	3.001	13.4	21.0
12 27	3 10.78	− 3 38.2	2.317	3.001	15.4	21.2

103982 2000 DE_{86} 11 17.7 168°.70 3°.6/15.0 18

10 18	3 53.56	+ 6 18.6	2.934	3.792	8.7	19.9
10 28	3 47.78	+ 5 45.9	2.873	3.795	6.4	19.8
11 7	3 40.87	+ 5 16.7	2.839	3.798	4.3	19.6
11 17	3 33.36	+ 4 53.8	2.835	3.801	3.6	19.6
11 27	3 25.88	+ 4 39.3	2.861	3.804	5.1	19.7
12 7	3 19.05	+ 4 35.0	2.916	3.806	7.3	19.9
12 17	3 13.39	+ 4 41.5	2.999	3.807	9.5	20.0
12 27	3 9.28	+ 4 58.6	3.104	3.808	11.4	20.2

441557 2008 TO_{138} 11 17.7 179°.15 0°.3/17.5 18

10 18	3 58.27	+21 1.6	1.855	2.718	12.7	21.0
10 28	3 51.70	+20 15.0	1.787	2.719	9.0	20.7
11 7	3 43.14	+19 19.1	1.745	2.719	4.8	20.5
11 17	3 33.51	+18 17.1	1.731	2.720	0.4	20.2
11 27	3 23.95	+17 14.1	1.747	2.720	4.3	20.5
12 7	3 15.56	+16 15.7	1.791	2.719	8.6	20.7
12 17	3 9.18	+15 27.2	1.861	2.718	12.3	21.0
12 27	3 5.35	+14 51.9	1.953	2.717	15.4	21.2

207338 2005 HG_{2} 11 17.7 111°.71 2°.9/16.1 18

10 18	3 57.17	+12 19.7	1.992	2.861	11.7	20.3
10 28	3 50.67	+11 41.3	1.940	2.874	8.3	20.1
11 7	3 42.51	+11 2.8	1.914	2.886	4.8	19.9
11 17	3 33.49	+10 27.9	1.917	2.898	2.9	19.8
11 27	3 24.62	+10 0.3	1.949	2.910	5.3	20.0
12 7	3 16.82	+ 9 42.9	2.009	2.922	8.7	20.2
12 17	3 10.80	+ 9 37.6	2.094	2.933	11.9	20.5
12 27	3 7.04	+ 9 44.8	2.201	2.944	14.5	20.7

152825 1999 UE_{49} 11 17.7 39°.13 5°.3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.93	+32 33.4	1.904	2.733	13.9	19.9
10 28	3 53.88	+33 24.2	1.841	2.740	10.8	19.7
11 7	3 44.46	+34 0.0	1.803	2.748	7.7	19.5
11 17	3 33.64	+34 17.7	1.790	2.756	5.4	19.4
11 27	3 22.74	+34 17.3	1.806	2.765	6.0	19.5
12 7	3 13.09	+34 2.2	1.850	2.774	8.7	19.6
12 17	3 5.72	+33 38.0	1.919	2.783	11.7	19.9
12 27	3 1.28	+33 11.3	2.010	2.792	14.5	20.1

48467 1991 SB_{1} 11 17.7 45°.23 3°.6/16.6 18

10 18	4 0.68	+11 24.8	1.220	2.105	16.4	18.1
10 28	3 53.92	+11 14.7	1.177	2.117	11.6	17.9
11 7	3 44.49	+11 7.4	1.155	2.129	6.6	17.7
11 17	3 33.65	+11 6.2	1.159	2.142	3.6	17.5
11 27	3 23.03	+11 14.5	1.188	2.155	6.9	17.8
12 7	3 14.14	+11 34.4	1.242	2.169	11.7	18.1
12 17	3 8.02	+12 6.5	1.319	2.183	16.0	18.4
12 27	3 5.23	+12 50.4	1.415	2.198	19.4	18.6

53846 2000 FD_{13} 11 17.7 99°.22 5°.7/15.2 18

10 18	3 58.85	+ 2 42.1	2.003	2.861	12.1	19.3
10 28	3 51.77	+ 2 17.3	1.960	2.879	9.1	19.2
11 7	3 43.06	+ 2 1.3	1.943	2.896	6.5	19.0
11 17	3 33.56	+ 1 57.5	1.954	2.913	5.7	19.0
11 27	3 24.24	+ 2 8.3	1.993	2.930	7.3	19.2
12 7	3 16.04	+ 2 34.3	2.060	2.947	10.0	19.4
12 17	3 9.63	+ 3 14.3	2.152	2.963	12.7	19.6
12 27	3 5.46	+ 4 6.4	2.265	2.978	15.0	19.8

139063 2001 FJ_{5} 11 17.7 285°.45 1°.9/18.6 18

10 18	3 59.74	+24 49.5	1.411	2.279	15.7	19.8
10 28	3 53.57	+24 37.7	1.334	2.264	11.5	19.5
11 7	3 44.53	+24 11.5	1.279	2.250	6.6	19.2
11 17	3 33.68	+23 31.4	1.249	2.236	2.1	18.9
11 27	3 22.58	+22 41.2	1.246	2.221	5.1	19.0
12 7	3 12.88	+21 48.0	1.269	2.207	10.3	19.3
12 17	3 5.85	+20 59.3	1.316	2.193	15.1	19.5
12 27	3 2.26	+20 21.9	1.383	2.179	19.1	19.8

440169 2003 WL_{186} 11 17.7 123°.44 2°.9/16.1 18

10 18	3 57.99	+12 42.2	1.889	2.758	12.2	21.9
10 28	3 51.34	+11 59.9	1.835	2.769	8.6	21.7
11 7	3 42.91	+11 17.1	1.808	2.780	4.9	21.5
11 17	3 33.55	+10 37.6	1.808	2.790	3.0	21.4
11 27	3 24.33	+10 5.5	1.838	2.800	5.5	21.6
12 7	3 16.25	+ 9 44.4	1.896	2.810	9.1	21.8
12 17	3 10.07	+ 9 36.2	1.979	2.819	12.5	22.1
12 27	3 6.26	+ 9 41.4	2.083	2.828	15.2	22.3

441248 2007 VA_{252} 11 17.7 14°.07 2°.7/16.6 17

10 18	3 55.60	+14 21.4	1.305	2.194	15.3	20.8
10 28	3 50.33	+13 51.8	1.254	2.198	10.8	20.6
11 7	3 42.61	+13 20.4	1.226	2.203	5.9	20.3
11 17	3 33.54	+12 51.5	1.223	2.209	2.8	20.1
11 27	3 24.57	+12 30.0	1.246	2.216	6.3	20.4
12 7	3 17.08	+12 20.1	1.294	2.224	11.0	20.7
12 17	3 12.05	+12 24.2	1.364	2.233	15.2	21.0
12 27	3 10.06	+12 42.8	1.453	2.243	18.7	21.2

29042 1426 $T\text{-}_{2}$ 11 17.7 216°.12 3°.8/20.4 18

10 18	3 57.15	+33 11.2	2.760	3.573	10.5	19.8
10 28	3 50.69	+33 26.1	2.677	3.568	8.2	19.7
11 7	3 42.60	+33 29.0	2.620	3.562	5.7	19.5
11 17	3 33.54	+33 18.6	2.590	3.557	4.0	19.4
11 27	3 24.41	+32 55.9	2.591	3.551	4.3	19.4
12 7	3 16.06	+32 23.7	2.622	3.544	6.5	19.5
12 17	3 9.25	+31 46.1	2.680	3.538	9.0	19.7
12 27	3 4.49	+31 7.7	2.762	3.531	11.3	19.8

160957 2002 AD_{142} 11 17.7 31°.31 2°.1/16.9 18

10 18	3 57.10	+16 45.8	1.123	2.016	16.9	19.5
10 28	3 51.50	+16 8.9	1.085	2.030	11.8	19.2
11 7	3 43.22	+15 27.0	1.068	2.046	6.3	19.0
11 17	3 33.59	+14 45.1	1.076	2.063	2.1	18.8
11 27	3 24.28	+14 9.4	1.108	2.081	6.3	19.1
12 7	3 16.78	+13 45.6	1.164	2.099	11.4	19.4
12 17	3 12.07	+13 36.7	1.243	2.119	15.9	19.8
12 27	3 10.66	+13 43.9	1.340	2.139	19.5	20.1

475314 2005 YD_{82} 11 17.7 16°.51 2°.6/16.8 18

10 18	3 55.48	+15 11.6	1.025	1.925	17.5	20.2
10 28	3 50.64	+14 46.4	0.983	1.932	12.3	19.9
11 7	3 42.89	+14 18.5	0.962	1.940	6.7	19.7
11 17	3 33.57	+13 52.6	0.963	1.950	2.6	19.5
11 27	3 24.45	+13 34.2	0.989	1.962	6.8	19.7
12 7	3 17.15	+13 28.2	1.037	1.975	12.2	20.1
12 17	3 12.78	+13 36.9	1.106	1.989	16.9	20.4
12 27	3 11.89	+14 0.7	1.193	2.004	20.7	20.7

314277 2005 SF_{23} 11 17.7 41°.98 2°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.44	+14 34.0	1.746	2.623	12.7	20.1
10 28	3 49.71	+13 50.6	1.693	2.631	8.9	19.8
11 7	3 42.11	+13 5.0	1.664	2.639	4.9	19.6
11 17	3 33.52	+12 21.1	1.663	2.647	2.5	19.5
11 27	3 25.05	+11 43.6	1.690	2.656	5.4	19.7
12 7	3 17.74	+11 16.6	1.744	2.665	9.3	20.0
12 17	3 12.38	+11 2.6	1.823	2.675	12.8	20.2
12 27	3 9.46	+11 2.5	1.922	2.684	15.7	20.4

476547 2008 HH_{51} 11 17.7 189°.23 1°.1/17.1 16

10 18	3 59.66	+18 39.7	1.862	2.725	12.7	22.3
10 28	3 52.70	+17 52.2	1.792	2.724	8.9	22.0
11 7	3 43.73	+16 57.4	1.749	2.723	4.7	21.8
11 17	3 33.64	+15 58.8	1.733	2.721	1.1	21.5
11 27	3 23.59	+15 1.4	1.748	2.719	4.7	21.8
12 7	3 14.70	+14 10.6	1.791	2.715	8.9	22.0
12 17	3 7.83	+13 30.8	1.861	2.711	12.6	22.3
12 27	3 3.53	+13 5.0	1.952	2.707	15.8	22.5

148184 2000 AH_{212} 11 17.7 41°.34 5°.6/20.3 18

10 18	4 1.25	+32 6.6	1.264	2.118	18.1	19.6
10 28	3 54.71	+32 23.8	1.212	2.128	13.8	19.3
11 7	3 45.08	+32 18.6	1.182	2.138	9.3	19.1
11 17	3 33.73	+31 49.2	1.174	2.150	5.9	19.0
11 27	3 22.56	+30 58.8	1.193	2.161	6.7	19.1
12 7	3 13.33	+29 55.9	1.236	2.174	10.6	19.3
12 17	3 7.24	+28 50.6	1.302	2.186	14.7	19.6
12 27	3 4.87	+27 51.8	1.389	2.199	18.3	19.9

197183 2003 UO_{309} 11 17.7 332°.27 1°.0/18.5 17

10 18	3 54.53	+24 31.2	2.124	2.980	11.6	19.9
10 28	3 48.99	+23 58.3	2.051	2.977	8.4	19.7
11 7	3 41.73	+23 14.8	2.003	2.974	4.7	19.5
11 17	3 33.50	+22 22.8	1.983	2.971	1.2	19.2
11 27	3 25.29	+21 25.9	1.993	2.968	3.6	19.4
12 7	3 18.05	+20 29.2	2.031	2.965	7.3	19.6
12 17	3 12.52	+19 37.5	2.096	2.962	10.8	19.8
12 27	3 9.23	+18 54.9	2.185	2.960	13.7	20.0

187339 2005 UR_{127} 11 17.7 113°.46 0°.3/17.9 18

10 18	3 56.22	+21 19.8	2.069	2.930	11.7	20.4
10 28	3 50.17	+21 1.0	2.002	2.932	8.3	20.2
11 7	3 42.35	+20 34.8	1.961	2.934	4.5	20.0
11 17	3 33.55	+20 3.0	1.947	2.935	0.5	19.7
11 27	3 24.76	+19 28.6	1.963	2.937	3.7	20.0
12 7	3 16.98	+18 55.7	2.008	2.939	7.6	20.2
12 17	3 10.97	+18 28.0	2.079	2.941	11.0	20.4
12 27	3 7.25	+18 8.7	2.172	2.942	13.9	20.6

78755 2002 TP_{295} 11 17.7 250°.87 5°.3/21.2 18

10 18	3 59.73	+36 8.3	2.111	2.922	13.4	19.3
10 28	3 52.98	+36 11.5	2.025	2.911	10.6	19.1
11 7	3 43.99	+35 56.1	1.961	2.899	7.7	18.9
11 17	3 33.67	+35 20.3	1.924	2.886	5.5	18.8
11 27	3 23.23	+34 25.7	1.916	2.874	5.8	18.8
12 7	3 13.92	+33 17.2	1.936	2.861	8.3	18.9
12 17	3 6.73	+32 2.0	1.983	2.848	11.3	19.1
12 27	3 2.29	+30 47.8	2.053	2.835	14.2	19.2

299617 2006 JX_{6} 11 17.7 133°.12 1°.7/16.6 16

10 18	3 57.71	+16 27.3	2.012	2.878	11.8	22.1
10 28	3 51.09	+15 39.6	1.955	2.888	8.2	21.9
11 7	3 42.77	+14 47.9	1.925	2.899	4.4	21.7
11 17	3 33.57	+13 55.6	1.923	2.909	1.7	21.6
11 27	3 24.52	+13 7.3	1.951	2.919	4.6	21.8
12 7	3 16.55	+12 27.2	2.008	2.928	8.3	22.0
12 17	3 10.41	+11 58.3	2.091	2.936	11.7	22.3
12 27	3 6.55	+11 42.6	2.196	2.945	14.4	22.5

342006 2008 RS_{36} 11 17.7 199°.85 2°.9/19.2 18

10 18	4 1.04	+27 42.2	1.802	2.648	13.8	21.2
10 28	3 53.96	+27 47.8	1.730	2.646	10.3	21.0
11 7	3 44.53	+27 39.9	1.681	2.644	6.3	20.7
11 17	3 33.71	+27 17.9	1.660	2.642	3.1	20.5
11 27	3 22.82	+26 44.1	1.667	2.639	4.7	20.6
12 7	3 13.18	+26 3.2	1.702	2.635	8.5	20.8
12 17	3 5.81	+25 21.6	1.763	2.632	12.3	21.1
12 27	3 1.35	+24 45.0	1.847	2.628	15.6	21.3

166417 2002 OO_{17} 11 17.7 94°.92 5°.9/14.3 18

10 18	3 56.82	+ 5 7.9	1.839	2.707	12.6	19.7
10 28	3 50.47	+ 3 57.7	1.798	2.723	9.4	19.6
11 7	3 42.43	+ 2 54.2	1.782	2.739	6.7	19.4
11 17	3 33.57	+ 2 2.9	1.794	2.755	6.0	19.4
11 27	3 24.92	+ 1 28.7	1.834	2.771	7.9	19.6
12 7	3 17.42	+ 1 13.9	1.901	2.786	10.8	19.8
12 17	3 11.78	+ 1 18.6	1.991	2.801	13.6	20.0
12 27	3 8.44	+ 1 40.9	2.101	2.816	16.0	20.2

327175 2005 JJ_{121} 11 17.7 78°.35 2°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.52	+13 5.9	1.414	2.286	15.4	20.9
10 28	3 56.14	+12 54.7	1.381	2.316	10.8	20.7
11 7	3 45.47	+12 43.8	1.372	2.346	5.9	20.5
11 17	3 33.78	+12 35.7	1.390	2.376	2.7	20.4
11 27	3 22.55	+12 33.7	1.437	2.405	5.9	20.7
12 7	3 13.09	+12 40.4	1.510	2.433	10.3	21.0
12 17	3 6.26	+12 57.0	1.608	2.461	14.1	21.3
12 27	3 2.49	+13 24.0	1.726	2.489	17.2	21.6

409220 2003 WQ_{169} 11 17.7 19°.13 6°.1/15.4 18

10 18	3 55.34	+ 3 42.3	1.615	2.490	13.6	19.5
10 28	3 49.69	+ 3 21.4	1.570	2.499	10.2	19.3
11 7	3 42.13	+ 3 10.5	1.550	2.509	7.2	19.2
11 17	3 33.55	+ 3 13.3	1.555	2.520	6.1	19.1
11 27	3 25.12	+ 3 32.5	1.586	2.533	8.0	19.3
12 7	3 17.89	+ 4 8.5	1.644	2.546	11.1	19.5
12 17	3 12.67	+ 4 59.8	1.724	2.559	14.2	19.7
12 27	3 9.96	+ 6 3.9	1.825	2.574	16.9	20.0

420600 2012 HD_{45} 11 17.7 146°.16 0°.5/18.1 17

10 18	3 56.47	+21 4.7	2.488	3.341	10.2	21.4
10 28	3 50.15	+21 9.5	2.419	3.345	7.3	21.2
11 7	3 42.29	+21 8.9	2.377	3.348	4.0	21.0
11 17	3 33.57	+21 3.5	2.363	3.352	0.7	20.7
11 27	3 24.84	+20 54.8	2.381	3.355	3.2	20.9
12 7	3 16.93	+20 45.4	2.428	3.358	6.5	21.2
12 17	3 10.52	+20 37.9	2.503	3.361	9.5	21.4
12 27	3 6.11	+20 34.6	2.601	3.363	12.1	21.5

407125 2009 SO_{334} 11 17.7 315°.67 0°.4/17.9 18

10 18	3 54.97	+22 42.5	2.056	2.917	11.8	20.1
10 28	3 49.34	+22 3.4	1.984	2.913	8.4	19.9
11 7	3 41.94	+21 14.8	1.937	2.910	4.5	19.7
11 17	3 33.55	+20 19.0	1.918	2.907	0.5	19.3
11 27	3 25.19	+19 20.3	1.929	2.904	3.7	19.6
12 7	3 17.81	+18 23.8	1.969	2.901	7.7	19.8
12 17	3 12.19	+17 34.2	2.035	2.898	11.2	20.0
12 27	3 8.85	+16 55.3	2.124	2.895	14.1	20.2

366267 2013 AX_{36} 11 17.8 226°.47 5°.2/15.1 18

10 18	3 57.86	+ 4 35.8	2.022	2.884	11.9	21.3
10 28	3 51.32	+ 4 6.0	1.955	2.878	8.9	21.2
11 7	3 43.00	+ 3 42.7	1.913	2.872	6.2	21.0
11 17	3 33.65	+ 3 29.7	1.900	2.865	5.3	20.9
11 27	3 24.26	+ 3 30.3	1.915	2.858	7.1	21.0
12 7	3 15.81	+ 3 46.1	1.957	2.850	10.1	21.2
12 17	3 9.08	+ 4 17.0	2.025	2.843	13.1	21.4
12 27	3 4.62	+ 5 1.7	2.114	2.835	15.7	21.5

96643 1999 GY_{26} 11 17.8 175°.19 0°.8/17.4 18

10 18	3 59.82	+17 57.6	1.942	2.804	12.3	20.5
10 28	3 52.78	+17 41.6	1.875	2.806	8.7	20.3
11 7	3 43.80	+17 20.8	1.834	2.808	4.6	20.1
11 17	3 33.71	+16 57.0	1.821	2.809	0.8	19.8
11 27	3 23.63	+16 33.3	1.838	2.810	4.3	20.0
12 7	3 14.65	+16 13.4	1.884	2.810	8.4	20.3
12 17	3 7.61	+16 0.4	1.956	2.810	12.0	20.5
12 27	3 3.07	+15 56.8	2.050	2.809	15.0	20.7

48932 1998 QB 11 17.8 198°.08 3°.8/19.7 18

10 18	4 1.88	+29 56.1	1.665	2.508	14.9	18.4
10 28	3 54.74	+29 59.4	1.594	2.506	11.3	18.2
11 7	3 45.03	+29 45.8	1.545	2.505	7.3	18.0
11 17	3 33.80	+29 14.5	1.524	2.503	4.1	17.8
11 27	3 22.52	+28 27.9	1.530	2.500	5.2	17.8
12 7	3 12.66	+27 32.2	1.564	2.497	9.1	18.1
12 17	3 5.30	+26 35.0	1.623	2.494	13.0	18.3
12 27	3 1.11	+25 43.6	1.704	2.491	16.4	18.5

294896 2008 DN_{18} 11 17.8 52°.90 1°.7/16.9 18

10 18	3 56.66	+15 42.4	1.812	2.684	12.5	21.0
10 28	3 50.60	+15 18.2	1.754	2.690	8.8	20.8
11 7	3 42.63	+14 51.1	1.720	2.695	4.7	20.5
11 17	3 33.62	+14 24.0	1.715	2.701	1.7	20.3
11 27	3 24.69	+14 0.4	1.738	2.708	4.8	20.6
12 7	3 16.88	+13 43.9	1.788	2.714	8.8	20.8
12 17	3 11.00	+13 37.1	1.864	2.720	12.4	21.1
12 27	3 7.59	+13 41.4	1.962	2.727	15.3	21.3

359767 2011 UV_{122} 11 17.8 78°.79 1°.9/16.6 18

10 18	3 56.49	+16 22.1	1.774	2.647	12.7	21.0
10 28	3 50.49	+15 33.5	1.715	2.652	8.9	20.8
11 7	3 42.57	+14 40.5	1.682	2.657	4.8	20.6
11 17	3 33.62	+13 46.9	1.675	2.662	2.0	20.4
11 27	3 24.77	+12 58.0	1.698	2.666	5.1	20.6
12 7	3 17.08	+12 18.4	1.748	2.671	9.1	20.9
12 17	3 11.36	+11 51.6	1.824	2.676	12.8	21.1
12 27	3 8.12	+11 39.3	1.920	2.681	15.8	21.3

503800 2017 FM_{55} 11 17.8 332.°30 4.°0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 54.95	+ 7 35.9	2.171	3.038	11.0	20.9
10 28	3 49.17	+ 7 9.9	2.108	3.037	8.0	20.7
11 7	3 41.81	+ 6 47.8	2.070	3.035	5.2	20.5
11 17	3 33.57	+ 6 32.7	2.060	3.033	4.0	20.4
11 27	3 25.34	+ 6 27.7	2.080	3.032	5.9	20.6
12 7	3 17.96	+ 6 34.4	2.127	3.030	8.9	20.7
12 17	3 12.14	+ 6 53.5	2.200	3.029	11.8	20.9
12 27	3 8.37	+ 7 24.5	2.294	3.028	14.3	21.1

89276 2001 VK_{15} 11 17.8 109.°26 3.°2/19.4 18

10 18	4 2.26	+28 7.5	1.694	2.540	14.6	19.5
10 28	3 54.79	+28 16.3	1.637	2.553	10.8	19.3
11 7	3 44.94	+28 10.6	1.603	2.565	6.7	19.1
11 17	3 33.80	+27 49.9	1.596	2.577	3.4	18.9
11 27	3 22.79	+27 16.8	1.618	2.589	4.8	19.0
12 7	3 13.24	+26 36.6	1.667	2.601	8.7	19.3
12 17	3 6.13	+25 55.8	1.742	2.612	12.4	19.5
12 27	3 2.04	+25 20.2	1.839	2.623	15.6	19.8

367273 2007 TD_{195} 11 17.8 107.°72 1.°4/18.3 16

10 18	4 5.41	+23 10.6	1.460	2.320	15.7	21.8
10 28	3 57.05	+23 9.7	1.413	2.341	11.2	21.6
11 7	3 46.12	+22 57.3	1.389	2.360	6.2	21.4
11 17	3 33.89	+22 34.4	1.392	2.380	1.5	21.1
11 27	3 21.95	+22 4.4	1.424	2.398	4.8	21.4
12 7	3 11.78	+21 33.0	1.482	2.416	9.5	21.7
12 17	3 4.36	+21 5.9	1.566	2.433	13.7	22.0
12 27	3 0.23	+20 47.8	1.671	2.450	17.1	22.3

396488 2014 FJ_{48} 11 17.8 179.°47 0.°1/17.7 18

10 18	4 2.33	+17 54.9	1.915	2.774	12.6	20.7
10 28	3 54.68	+18 16.7	1.846	2.775	8.9	20.5
11 7	3 44.89	+18 35.2	1.802	2.775	4.8	20.2
11 17	3 33.82	+18 50.4	1.787	2.776	0.3	19.9
11 27	3 22.67	+19 3.2	1.802	2.775	4.1	20.2
12 7	3 12.62	+19 15.7	1.847	2.775	8.3	20.4
12 17	3 4.60	+19 30.3	1.918	2.774	12.1	20.7
12 27	2 59.25	+19 49.6	2.011	2.773	15.1	20.9

129510 1995 SQ_{85} 11 17.8 242.°19 1.°2/17.1 18

10 18	3 57.60	+17 43.5	1.899	2.766	12.3	20.2
10 28	3 51.35	+17 7.6	1.823	2.757	8.7	20.0
11 7	3 43.11	+16 25.7	1.772	2.747	4.6	19.7
11 17	3 33.70	+15 40.9	1.749	2.737	1.2	19.5
11 27	3 24.21	+14 57.4	1.756	2.726	4.6	19.7
12 7	3 15.74	+14 19.9	1.790	2.716	8.8	19.9
12 17	3 9.17	+13 52.2	1.851	2.705	12.5	20.1
12 27	3 5.09	+13 37.1	1.933	2.694	15.7	20.3

102724 1999 VP_{99} 11 17.8 47.°64 0.°9/17.3 18

10 18	3 58.00	+19 36.3	1.368	2.247	15.3	19.4
10 28	3 51.79	+18 49.7	1.328	2.267	10.7	19.2
11 7	3 43.30	+17 55.0	1.312	2.288	5.6	18.9
11 17	3 33.70	+16 56.8	1.321	2.309	1.0	18.7
11 27	3 24.45	+16 1.6	1.357	2.331	5.2	19.0
12 7	3 16.83	+15 15.4	1.420	2.353	9.9	19.4
12 17	3 11.68	+14 42.7	1.506	2.375	14.0	19.7
12 27	3 9.47	+14 25.6	1.612	2.398	17.3	19.9

122644 2000 RP_{84} 11 17.8 105.°80 0.°9/18.2 18

10 18	4 0.70	+23 10.1	1.743	2.601	13.7	20.5
10 28	3 53.47	+22 49.8	1.690	2.617	9.7	20.3
11 7	3 44.15	+22 19.2	1.662	2.633	5.3	20.0
11 17	3 33.77	+21 40.2	1.661	2.649	1.1	19.8
11 27	3 23.60	+20 56.8	1.690	2.665	4.1	20.0
12 7	3 14.81	+20 14.2	1.747	2.680	8.4	20.3
12 17	3 8.25	+19 37.4	1.830	2.694	12.2	20.6
12 27	3 4.43	+19 10.4	1.934	2.708	15.2	20.8

517150 2013 KD_{9} 11 17.8 102.°42 2.°3/16.5 18

10 18	3 57.62	+11 6.0	2.492	3.351	10.0	21.7
10 28	3 50.78	+11 2.8	2.442	3.370	7.1	21.5
11 7	3 42.57	+11 1.0	2.418	3.389	4.1	21.3
11 17	3 33.66	+11 2.3	2.425	3.407	2.3	21.2
11 27	3 24.88	+11 8.3	2.462	3.425	4.3	21.4
12 7	3 16.97	+11 20.3	2.530	3.442	7.2	21.6
12 17	3 10.54	+11 39.2	2.624	3.460	9.9	21.8
12 27	3 6.01	+12 5.2	2.742	3.477	12.2	22.0

28421 1999 VH_{87} 11 17.8 333.°90 24.°6/ 9.3 18

10 18	4 3.00	−27 50.6	1.003	1.795	26.1	17.7
10 28	3 56.20	−29 28.3	0.976	1.787	25.1	17.6
11 7	3 45.98	−30 12.9	0.961	1.780	24.6	17.5
11 17	3 33.92	−29 51.5	0.960	1.774	24.8	17.5
11 27	3 22.10	−28 19.6	0.972	1.769	25.6	17.5
12 7	3 12.45	−25 43.5	0.998	1.764	27.0	17.6
12 17	3 6.23	−22 16.7	1.037	1.760	28.6	17.8
12 27	3 4.00	−18 15.4	1.088	1.757	30.2	17.9

156671 2002 JY_{114} 11 17.8 116.°55 5.°6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.26	− 0 5.4	2.527	3.375	10.3	19.8
10 28	3 49.79	− 0 30.6	2.480	3.388	8.0	19.7
11 7	3 42.04	− 0 46.8	2.460	3.401	6.1	19.6
11 17	3 33.64	− 0 51.2	2.468	3.414	5.6	19.6
11 27	3 25.35	− 0 41.6	2.505	3.427	6.9	19.7
12 7	3 17.90	− 0 17.8	2.570	3.439	9.0	19.8
12 17	3 11.84	+ 0 19.6	2.661	3.451	11.1	20.0
12 27	3 7.60	+ 1 8.7	2.774	3.463	13.0	20.2

12343 Martinbeech 11 17.8 145.°92 0.°8/17.2 18

10 18	3 58.52	+18 12.7	2.268	3.126	10.9	20.0
10 28	3 51.58	+17 41.1	2.208	3.137	7.7	19.9
11 7	3 43.06	+17 4.6	2.175	3.148	4.0	19.6
11 17	3 33.73	+16 25.6	2.171	3.159	0.8	19.4
11 27	3 24.50	+15 47.6	2.198	3.168	3.8	19.7
12 7	3 16.27	+15 14.1	2.254	3.177	7.4	19.9
12 17	3 9.72	+14 48.3	2.338	3.186	10.5	20.1
12 27	3 5.30	+14 32.2	2.445	3.193	13.1	20.3

372969 2011 CX 11 17.8 249.°06 3.°6/19.9 18

10 18	3 57.75	+30 51.4	2.428	3.255	11.3	21.1
10 28	3 51.33	+31 10.5	2.347	3.249	8.7	20.9
11 7	3 43.08	+31 17.7	2.291	3.242	5.8	20.7
11 17	3 33.74	+31 12.1	2.262	3.235	3.7	20.6
11 27	3 24.27	+30 54.3	2.264	3.229	4.4	20.6
12 7	3 15.67	+30 27.4	2.294	3.222	7.0	20.8
12 17	3 8.76	+29 55.7	2.352	3.215	9.9	20.9
12 27	3 4.11	+29 24.2	2.434	3.207	12.5	21.1

287045 2002 QV_{122} 11 17.8 67.°83 2.°6/15.8 18

10 18	3 53.65	+13 26.7	2.218	3.088	10.6	20.7
10 28	3 48.18	+12 29.2	2.161	3.096	7.5	20.5
11 7	3 41.27	+11 30.3	2.132	3.104	4.3	20.3
11 17	3 33.60	+10 33.9	2.131	3.112	2.7	20.2
11 27	3 26.03	+ 9 44.4	2.160	3.120	5.0	20.4
12 7	3 19.36	+ 9 5.4	2.217	3.129	8.1	20.6
12 17	3 14.23	+ 8 39.2	2.300	3.137	11.0	20.8
12 27	3 11.05	+ 8 26.8	2.405	3.146	13.5	21.0

174362 Bethwillman 11 17.8 269.°45 4.°8/14.7 18

10 18	3 55.47	+ 8 56.2	1.871	2.745	12.1	20.1
10 28	3 49.81	+ 7 43.7	1.801	2.733	8.9	19.9
11 7	3 42.29	+ 6 31.9	1.756	2.721	5.8	19.7
11 17	3 33.68	+ 5 26.8	1.738	2.709	4.9	19.6
11 27	3 25.02	+ 4 34.1	1.749	2.697	7.2	19.7
12 7	3 17.32	+ 3 58.5	1.787	2.685	10.6	19.9
12 17	3 11.40	+ 3 42.0	1.849	2.673	13.9	20.1
12 27	3 7.83	+ 3 44.7	1.930	2.660	16.7	20.2

464390 2016 BV_{4} 11 17.8 303.°62 8.°0/12.6 17

10 18	3 53.99	− 3 22.0	2.116	2.967	11.9	20.9
10 28	3 48.66	− 4 19.4	2.044	2.946	9.7	20.7
11 7	3 41.65	− 5 5.6	1.997	2.925	8.2	20.6
11 17	3 33.64	− 5 34.9	1.975	2.904	8.1	20.6
11 27	3 25.51	− 5 43.0	1.981	2.883	9.6	20.6
12 7	3 18.16	− 5 28.3	2.011	2.862	11.9	20.7
12 17	3 12.34	− 4 51.4	2.064	2.841	14.3	20.9
12 27	3 8.60	− 3 55.0	2.137	2.821	16.5	21.0

72780 2001 FW_{163} 11 17.8 8.°50 9.°1/12.4 18

10 18	3 54.42	+ 0 57.2	1.449	2.327	14.8	18.8
10 28	3 49.28	− 0 47.1	1.405	2.328	11.7	18.6
11 7	3 42.04	− 2 20.0	1.383	2.329	9.5	18.5
11 17	3 33.67	− 3 32.2	1.386	2.331	9.4	18.5
11 27	3 25.40	− 4 16.4	1.415	2.333	11.4	18.6
12 7	3 18.40	− 4 30.0	1.466	2.336	14.3	18.8
12 17	3 13.54	− 4 14.1	1.537	2.339	17.3	19.0
12 27	3 11.34	− 3 32.7	1.626	2.343	19.8	19.2

72752 2001 FR_{129} 11 17.8 258.°27 2.°6/15.9 18

10 18	3 53.99	+13 21.6	2.230	3.100	10.6	19.2
10 28	3 48.50	+12 29.9	2.162	3.096	7.5	19.0
11 7	3 41.49	+11 36.4	2.120	3.093	4.3	18.8
11 17	3 33.63	+10 44.8	2.107	3.089	2.6	18.7
11 27	3 25.78	+ 9 59.3	2.124	3.085	5.0	18.8
12 7	3 18.78	+ 9 23.7	2.169	3.082	8.2	19.0
12 17	3 13.29	+ 9 0.4	2.240	3.078	11.3	19.2
12 27	3 9.81	+ 8 50.5	2.333	3.074	13.9	19.4

144222 2004 CA_{27} 11 17.8 174.°90 2.°1/16.6 18

10 18	3 59.89	+15 19.4	1.814	2.681	12.8	20.8
10 28	3 52.91	+14 38.9	1.750	2.683	9.0	20.6
11 7	3 43.92	+13 54.8	1.712	2.685	4.9	20.3
11 17	3 33.81	+13 10.6	1.701	2.687	2.2	20.1
11 27	3 23.76	+12 31.1	1.721	2.688	5.2	20.4
12 7	3 14.88	+12 0.5	1.768	2.688	9.3	20.6
12 17	3 8.03	+11 41.9	1.841	2.687	12.9	20.8
12 27	3 3.76	+11 37.0	1.935	2.686	16.0	21.0

13635 1995 WA_{42} 11 17.8 353.°44 1.°7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.79	+18 3.9	1.320	2.203	15.6	18.3
10 28	3 52.03	+17 15.9	1.260	2.201	11.0	18.0
11 7	3 43.65	+16 19.8	1.223	2.200	5.9	17.7
11 17	3 33.80	+15 20.3	1.211	2.199	1.7	17.4
11 27	3 23.98	+14 24.3	1.226	2.198	5.9	17.7
12 7	3 15.66	+13 38.6	1.266	2.198	11.0	18.0
12 17	3 9.91	+13 8.2	1.329	2.198	15.5	18.3
12 27	3 7.35	+12 55.6	1.411	2.198	19.3	18.5

474842 2005 SX_{74} 11 17.8 43.°90 1.°6/17.1 18

10 18	3 58.90	+17 45.2	1.180	2.068	16.7	21.0
10 28	3 52.72	+17 6.2	1.141	2.084	11.7	20.8
11 7	3 43.92	+16 20.9	1.124	2.101	6.2	20.5
11 17	3 33.81	+15 34.0	1.132	2.119	1.6	20.3
11 27	3 24.04	+14 51.9	1.165	2.138	5.9	20.6
12 7	3 16.08	+14 20.6	1.223	2.157	11.1	21.0
12 17	3 10.90	+14 3.7	1.303	2.177	15.5	21.3
12 27	3 8.99	+14 2.9	1.403	2.197	19.0	21.6

300565 2007 TG_{331} 11 17.8 277.°44 0.°1/17.7 18

10 18	3 56.99	+22 7.6	1.882	2.745	12.6	21.1
10 28	3 51.07	+21 15.2	1.794	2.724	9.0	20.9
11 7	3 43.06	+20 10.9	1.730	2.704	4.9	20.6
11 17	3 33.76	+18 57.7	1.694	2.683	0.3	20.2
11 27	3 24.32	+17 41.0	1.688	2.662	4.3	20.4
12 7	3 15.88	+16 27.3	1.710	2.640	8.8	20.7
12 17	3 9.37	+15 22.9	1.759	2.619	12.8	20.9
12 27	3 5.44	+14 32.6	1.829	2.597	16.2	21.1

451594 2012 BV_{119} 11 17.8 326.°60 1.°4/17.1 17

10 18	3 55.25	+17 7.9	1.691	2.568	13.1	21.8
10 28	3 49.92	+16 40.2	1.619	2.556	9.2	21.5
11 7	3 42.46	+16 7.4	1.570	2.546	4.9	21.2
11 17	3 33.72	+15 32.5	1.548	2.535	1.4	21.0
11 27	3 24.88	+14 59.7	1.553	2.525	4.9	21.2
12 7	3 17.11	+14 33.5	1.586	2.516	9.4	21.4
12 17	3 11.34	+14 17.6	1.643	2.507	13.3	21.6
12 27	3 8.22	+14 14.3	1.721	2.499	16.7	21.9

321284 2009 FL_{5} 11 17.8 133.°45 1.°8/18.6 16

10 18	4 4.34	+24 31.1	1.598	2.452	14.9	21.7
10 28	3 56.31	+24 30.2	1.541	2.465	10.8	21.5
11 7	3 45.81	+24 17.3	1.508	2.477	6.1	21.2
11 17	3 33.96	+23 52.7	1.502	2.489	2.0	21.0
11 27	3 22.27	+23 19.6	1.525	2.500	4.6	21.2
12 7	3 12.13	+22 43.5	1.576	2.510	9.1	21.5
12 17	3 4.55	+22 10.3	1.653	2.519	13.1	21.8
12 27	3 0.10	+21 45.0	1.751	2.528	16.5	22.0

366276 2013 AK_{73} 11 17.8 298.°56 2.°8/16.8 18

10 18	3 59.79	+11 36.4	1.645	2.517	13.6	20.7
10 28	3 53.26	+11 40.5	1.567	2.502	9.8	20.4
11 7	3 44.33	+11 47.0	1.514	2.486	5.6	20.1
11 17	3 33.88	+11 58.0	1.487	2.471	2.8	19.9
11 27	3 23.17	+12 15.6	1.489	2.456	5.8	20.1
12 7	3 13.52	+12 41.7	1.518	2.441	10.2	20.3
12 17	3 6.01	+13 17.2	1.571	2.427	14.3	20.5
12 27	3 1.39	+14 2.6	1.646	2.412	17.8	20.7

27262 1999 XT_{184} 11 17.8 200.°28 2.°7/18.9 18

10 18	4 2.86	+25 32.1	1.577	2.432	15.0	17.8
10 28	3 55.57	+25 53.0	1.508	2.431	11.0	17.5
11 7	3 45.58	+26 1.9	1.463	2.429	6.6	17.3
11 17	3 33.97	+25 57.6	1.444	2.428	2.9	17.0
11 27	3 22.24	+25 41.7	1.453	2.426	5.0	17.2
12 7	3 11.90	+25 18.7	1.489	2.424	9.4	17.4
12 17	3 4.12	+24 54.4	1.550	2.421	13.6	17.7
12 27	2 59.60	+24 34.9	1.633	2.419	17.1	17.9

316866 2000 QD_{124} 11 17.8 63.°32 2.°8/18.9 16

10 18	4 5.62	+26 30.5	1.134	2.002	18.7	19.9
10 28	3 57.50	+26 24.4	1.103	2.033	13.5	19.7
11 7	3 46.42	+26 0.4	1.093	2.063	7.8	19.5
11 17	3 34.01	+25 20.0	1.108	2.093	3.0	19.3
11 27	3 22.24	+24 28.9	1.148	2.123	5.5	19.6
12 7	3 12.79	+23 35.9	1.214	2.153	10.5	20.0
12 17	3 6.64	+22 49.1	1.303	2.183	15.0	20.3
12 27	3 4.18	+22 14.1	1.411	2.213	18.6	20.6

179815 2002 TV_{80} 11 17.8 80.°04 2.°0/17.2 18

10 18	4 6.24	+13 32.3	1.429	2.298	15.5	19.0
10 28	3 57.48	+13 47.1	1.392	2.326	10.9	18.8
11 7	3 46.32	+14 1.8	1.379	2.353	5.8	18.6
11 17	3 34.01	+14 17.5	1.394	2.380	2.0	18.4
11 27	3 22.09	+14 35.9	1.437	2.407	5.5	18.7
12 7	3 11.94	+14 58.7	1.507	2.434	10.0	19.1
12 17	3 4.48	+15 27.4	1.602	2.459	14.0	19.4
12 27	3 0.18	+16 2.9	1.718	2.485	17.2	19.7

168163 2006 HW_{59} 11 17.8 144.°21 5.°1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.54	+ 7 59.1	1.895	2.766	12.2	20.2
10 28	3 50.39	+ 6 35.9	1.842	2.772	8.9	20.0
11 7	3 42.52	+ 5 15.3	1.814	2.777	6.0	19.9
11 17	3 33.75	+ 4 3.5	1.815	2.782	5.3	19.8
11 27	3 25.09	+ 3 6.5	1.844	2.787	7.4	20.0
12 7	3 17.51	+ 2 28.0	1.901	2.791	10.5	20.2
12 17	3 11.72	+ 2 9.6	1.981	2.795	13.5	20.4
12 27	3 8.22	+ 2 10.5	2.082	2.799	16.0	20.6

397548 2007 TS_{333} 11 17.8 7.°57 0.°1/17.8 16

10 18	3 55.59	+21 46.7	1.394	2.273	15.1	20.9
10 28	3 50.39	+21 8.6	1.335	2.273	10.8	20.7
11 7	3 42.76	+20 19.1	1.299	2.275	5.8	20.4
11 17	3 33.77	+19 21.7	1.289	2.277	0.4	20.0
11 27	3 24.85	+18 22.4	1.305	2.280	4.9	20.4
12 7	3 17.36	+17 28.3	1.347	2.284	9.9	20.7
12 17	3 12.30	+16 45.3	1.412	2.289	14.3	21.0
12 27	3 10.24	+16 17.2	1.498	2.294	17.9	21.2

460873 2014 WT_{137} 11 17.8 136.°19 0.°4/18.1 17

10 18	3 53.88	+22 34.7	2.598	3.451	9.9	20.9
10 28	3 48.31	+22 6.5	2.528	3.454	7.0	20.7
11 7	3 41.36	+21 31.1	2.485	3.457	3.8	20.5
11 17	3 33.67	+20 50.2	2.471	3.459	0.6	20.3
11 27	3 26.02	+20 6.8	2.487	3.462	3.1	20.5
12 7	3 19.16	+19 24.4	2.534	3.464	6.3	20.7
12 17	3 13.69	+18 46.3	2.608	3.466	9.2	20.9
12 27	3 10.06	+18 15.4	2.706	3.468	11.6	21.1

166337 2002 JZ_{124} 11 17.8 197.°10 5.°1/14.4 18

10 18	3 56.72	+ 6 52.8	2.019	2.886	11.7	20.6
10 28	3 50.52	+ 5 43.1	1.957	2.884	8.6	20.4
11 7	3 42.62	+ 4 36.5	1.921	2.881	6.0	20.3
11 17	3 33.78	+ 3 38.6	1.913	2.878	5.2	20.2
11 27	3 24.97	+ 2 54.4	1.934	2.875	7.2	20.4
12 7	3 17.12	+ 2 27.4	1.982	2.871	10.2	20.5
12 17	3 10.97	+ 2 18.7	2.055	2.867	13.2	20.7
12 27	3 7.03	+ 2 27.9	2.148	2.862	15.7	20.9

32162 2000 MV_{5} 11 17.8 41.°16 4.°7/20.9 18

10 18	3 58.03	+34 8.8	1.717	2.550	15.0	17.1
10 28	3 51.86	+33 48.5	1.658	2.561	11.5	16.9
11 7	3 43.43	+33 7.4	1.622	2.573	7.9	16.8
11 17	3 33.84	+32 6.0	1.612	2.585	5.0	16.6
11 27	3 24.46	+30 48.6	1.630	2.597	5.4	16.7
12 7	3 16.55	+29 22.8	1.675	2.610	8.5	16.9
12 17	3 11.01	+27 56.9	1.746	2.623	12.0	17.1
12 27	3 8.33	+26 38.7	1.840	2.636	15.0	17.4

190169 2005 UD_{190} 11 17.8 142.°26 0.°2/17.9 18

10 18	4 0.86	+21 16.5	1.844	2.702	13.0	21.8
10 28	3 53.60	+20 56.3	1.784	2.712	9.2	21.5
11 7	3 44.30	+20 27.8	1.749	2.722	5.0	21.3
11 17	3 33.92	+19 52.9	1.742	2.730	0.5	21.0
11 27	3 23.64	+19 15.2	1.764	2.738	4.1	21.3
12 7	3 14.62	+18 39.3	1.816	2.746	8.3	21.6
12 17	3 7.70	+18 9.7	1.893	2.753	12.0	21.8
12 27	3 3.41	+17 49.8	1.993	2.760	15.1	22.0

288924 2004 SR_{18} 11 17.8 85.°14 0.°7/17.3 18

10 18	3 55.22	+19 38.2	2.096	2.960	11.4	20.3
10 28	3 49.47	+18 54.8	2.030	2.963	8.0	20.1
11 7	3 42.06	+18 4.6	1.991	2.965	4.2	19.8
11 17	3 33.75	+17 10.7	1.980	2.968	0.7	19.6
11 27	3 25.50	+16 17.3	1.998	2.971	4.0	19.8
12 7	3 18.23	+15 29.0	2.046	2.973	7.7	20.1
12 17	3 12.66	+14 49.7	2.120	2.976	11.1	20.3
12 27	3 9.26	+14 22.0	2.216	2.979	13.9	20.5

313381 2002 LG_{25} 11 17.8 159.°59 4.°5/14.1 18

10 18	3 53.82	+ 2 36.9	3.030	3.881	8.7	21.3
10 28	3 48.01	+ 1 50.3	2.976	3.889	6.6	21.2
11 7	3 41.13	+ 1 9.1	2.949	3.896	4.9	21.1
11 17	3 33.69	+ 0 36.5	2.951	3.902	4.6	21.1
11 27	3 26.31	+ 0 15.0	2.984	3.908	5.8	21.2
12 7	3 19.57	+ 0 6.2	3.045	3.913	7.7	21.3
12 17	3 13.96	+ 0 10.3	3.132	3.918	9.7	21.5
12 27	3 9.86	+ 0 26.8	3.242	3.922	11.4	21.6

404116 2013 AV_{17} 11 17.8 189.°62 12.°5/24.9 18

10 18	4 10.97	+48 3.1	1.335	2.110	21.5	20.6
10 28	4 2.59	+48 43.3	1.268	2.110	18.6	20.4
11 7	3 49.79	+48 46.1	1.219	2.110	15.5	20.2
11 17	3 34.34	+48 2.5	1.189	2.109	13.2	20.1
11 27	3 18.96	+46 31.3	1.183	2.107	12.5	20.0
12 7	3 6.27	+44 22.6	1.200	2.105	14.0	20.1
12 17	2 57.92	+41 53.4	1.240	2.103	16.8	20.3
12 27	2 54.53	+39 22.1	1.300	2.101	19.9	20.5

401292 2012 DA_{80} 11 17.8 357.°93 1.°7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 55.44	+15 56.5	1.767	2.642	12.7	20.3
10 28	3 49.91	+15 31.3	1.703	2.640	8.9	20.1
11 7	3 42.41	+15 2.9	1.664	2.639	4.8	19.8
11 17	3 33.79	+14 34.1	1.652	2.638	1.7	19.6
11 27	3 25.17	+14 8.8	1.668	2.638	4.9	19.8
12 7	3 17.64	+13 50.6	1.711	2.638	9.0	20.1
12 17	3 12.03	+13 42.5	1.779	2.639	12.7	20.3
12 27	3 8.91	+13 46.0	1.868	2.640	15.8	20.5

13439 Frankiethomas 11 17.8 319.°65 5.°4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.52	+29 51.3	1.258	2.120	17.6	19.0
10 28	3 54.74	+30 30.7	1.184	2.105	13.6	18.7
11 7	3 45.54	+30 52.7	1.130	2.091	9.1	18.4
11 17	3 34.05	+30 53.3	1.100	2.077	5.7	18.1
11 27	3 22.11	+30 32.2	1.094	2.064	6.9	18.2
12 7	3 11.74	+29 55.3	1.113	2.052	11.4	18.4
12 17	3 4.49	+29 11.5	1.154	2.040	16.1	18.6
12 27	3 1.29	+28 30.3	1.215	2.029	20.2	18.9

77128 2001 DA_{95} 11 17.8 100.°51 6.°7/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.36	+39 31.3	1.860	2.661	15.3	19.1
10 28	3 54.97	+39 35.1	1.798	2.672	12.4	18.9
11 7	3 45.13	+39 15.6	1.757	2.683	9.3	18.8
11 17	3 33.99	+38 30.8	1.742	2.694	7.1	18.7
11 27	3 23.05	+37 23.1	1.754	2.705	7.0	18.7
12 7	3 13.68	+35 59.5	1.794	2.715	9.1	18.8
12 17	3 6.86	+34 29.0	1.859	2.725	11.9	19.0
12 27	3 3.12	+33 0.6	1.948	2.735	14.7	19.3

243430 2009 DQ_{1} 11 17.8 326.°43 0.°1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.94	+21 16.1	1.609	2.480	13.9	20.7
10 28	3 51.19	+20 41.8	1.540	2.475	9.9	20.4
11 7	3 43.18	+19 57.5	1.496	2.470	5.3	20.2
11 17	3 33.86	+19 6.0	1.477	2.466	0.4	19.8
11 27	3 24.52	+18 12.4	1.487	2.462	4.6	20.1
12 7	3 16.41	+17 22.6	1.524	2.458	9.3	20.4
12 17	3 10.51	+16 42.1	1.585	2.454	13.4	20.6
12 27	3 7.43	+16 14.7	1.668	2.451	16.9	20.9

291713 2006 JZ_{18} 11 17.8 33.°18 2.°1/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.69	+12 1.8	1.163	2.047	17.2	19.4
10 28	3 56.12	+12 50.7	1.130	2.070	12.1	19.2
11 7	3 45.78	+13 42.6	1.119	2.094	6.5	18.9
11 17	3 34.04	+14 36.7	1.133	2.120	2.1	18.7
11 27	3 22.67	+15 32.3	1.173	2.146	5.9	19.1
12 7	3 13.25	+16 29.2	1.240	2.174	10.9	19.4
12 17	3 6.81	+17 27.7	1.329	2.202	15.3	19.8
12 27	3 3.86	+18 28.4	1.438	2.231	18.7	20.1

160859 2001 FH_{122} 11 17.8 334.°75 7.°5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 52.66	+ 1 49.2	1.840	2.711	12.4	19.4
10 28	3 47.83	+ 0 12.5	1.782	2.703	9.8	19.3
11 7	3 41.27	− 1 16.7	1.749	2.695	7.8	19.1
11 17	3 33.72	− 2 30.9	1.743	2.687	7.8	19.1
11 27	3 26.17	− 3 23.8	1.763	2.681	9.6	19.2
12 7	3 19.57	− 3 52.0	1.809	2.674	12.3	19.4
12 17	3 14.67	− 3 55.1	1.876	2.668	15.0	19.5
12 27	3 12.00	− 3 35.1	1.961	2.663	17.4	19.7

97163 1999 VO_{186} 11 17.8 229.°44 0.°9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.03	+16 24.6	2.418	3.278	10.3	19.0
10 28	3 50.68	+16 22.4	2.341	3.270	7.3	18.7
11 7	3 42.73	+16 17.9	2.290	3.263	3.9	18.5
11 17	3 33.84	+16 12.2	2.268	3.256	0.9	18.3
11 27	3 24.86	+16 7.2	2.277	3.248	3.7	18.5
12 7	3 16.65	+16 5.1	2.315	3.240	7.1	18.7
12 17	3 9.92	+16 7.9	2.381	3.231	10.2	18.9
12 27	3 5.22	+16 17.4	2.470	3.223	12.9	19.1

125564 2001 XV_{15} 11 17.8 289.°94 2.°8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.39	+12 51.8	1.545	2.421	14.1	19.3
10 28	3 53.11	+12 37.9	1.468	2.405	10.1	19.0
11 7	3 44.33	+12 24.0	1.415	2.389	5.7	18.7
11 17	3 33.97	+12 12.9	1.389	2.373	2.8	18.5
11 27	3 23.35	+12 8.4	1.390	2.357	6.1	18.7
12 7	3 13.86	+12 13.5	1.417	2.342	10.7	18.9
12 17	3 6.63	+12 30.5	1.468	2.326	15.0	19.1
12 27	3 2.41	+13 0.2	1.540	2.311	18.6	19.3

224948 2007 DD_{111} 11 17.8 91.°44 0.°2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.27	+19 51.7	2.185	3.046	11.2	20.7
10 28	3 50.12	+19 28.5	2.128	3.058	7.8	20.5
11 7	3 42.37	+18 59.6	2.097	3.071	4.2	20.3
11 17	3 33.80	+18 26.9	2.095	3.083	0.3	20.0
11 27	3 25.34	+17 53.6	2.122	3.096	3.6	20.3
12 7	3 17.87	+17 23.4	2.179	3.108	7.2	20.6
12 17	3 12.07	+16 59.3	2.263	3.120	10.4	20.8
12 27	3 8.40	+16 43.8	2.369	3.132	13.1	21.0

397336 2006 TW_{67} 11 17.8 45.°93 4.°8/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.07	+34 5.5	1.572	2.410	16.0	19.9
10 28	3 52.68	+33 43.4	1.521	2.426	12.2	19.7
11 7	3 43.89	+32 59.2	1.492	2.444	8.3	19.5
11 17	3 33.91	+31 53.6	1.488	2.462	5.2	19.3
11 27	3 24.25	+30 31.6	1.512	2.480	5.6	19.4
12 7	3 16.24	+29 1.9	1.562	2.498	8.9	19.7
12 17	3 10.78	+27 33.5	1.638	2.517	12.5	19.9
12 27	3 8.34	+26 14.4	1.737	2.537	15.7	20.2

509343 2006 YC_{22} 11 17.8 4.°46 0.°4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.09	+20 40.2	1.210	2.093	16.7	21.1
10 28	3 53.25	+20 37.4	1.153	2.092	11.9	20.8
11 7	3 44.48	+20 25.4	1.117	2.093	6.5	20.5
11 17	3 33.97	+20 5.5	1.105	2.093	0.7	20.1
11 27	3 23.44	+19 41.7	1.118	2.095	5.4	20.5
12 7	3 14.56	+19 19.6	1.157	2.097	10.9	20.8
12 17	3 8.54	+19 4.8	1.218	2.100	15.7	21.1
12 27	3 6.07	+19 1.1	1.298	2.103	19.7	21.4

411133 2009 WO_{218} 11 17.8 77.°96 0.°8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.04	+24 36.4	2.208	3.060	11.4	20.6
10 28	3 49.90	+23 51.1	2.154	3.078	8.1	20.4
11 7	3 42.22	+22 55.9	2.125	3.095	4.5	20.2
11 17	3 33.80	+21 53.3	2.125	3.113	1.0	20.0
11 27	3 25.57	+20 47.8	2.156	3.130	3.4	20.2
12 7	3 18.40	+19 44.3	2.216	3.148	6.9	20.4
12 17	3 12.93	+18 47.3	2.304	3.165	10.1	20.7
12 27	3 9.59	+18 0.5	2.415	3.182	12.7	20.9

475879 2007 CP_{45} 11 17.8 284.°93 4.°8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.55	+30 46.7	1.507	2.354	16.0	20.8
10 28	3 54.92	+31 6.4	1.434	2.347	12.3	20.6
11 7	3 45.39	+31 8.3	1.383	2.341	8.2	20.3
11 17	3 34.06	+30 49.9	1.357	2.334	5.0	20.1
11 27	3 22.53	+30 12.9	1.358	2.327	6.0	20.2
12 7	3 12.48	+29 23.3	1.386	2.321	9.9	20.4
12 17	3 5.15	+28 29.2	1.437	2.314	14.1	20.6
12 27	3 1.31	+27 39.1	1.509	2.308	17.7	20.8

196395 2003 GE_{24} 11 17.8 183.°66 1.°1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.57	+17 25.4	1.925	2.788	12.3	21.6
10 28	3 52.70	+17 0.6	1.857	2.788	8.7	21.4
11 7	3 43.87	+16 31.1	1.814	2.788	4.6	21.1
11 17	3 33.93	+15 59.2	1.800	2.788	1.1	20.9
11 27	3 24.00	+15 28.5	1.816	2.787	4.5	21.1
12 7	3 15.15	+15 2.8	1.860	2.785	8.5	21.4
12 17	3 8.24	+14 45.6	1.931	2.783	12.2	21.6
12 27	3 3.82	+14 39.2	2.023	2.781	15.2	21.8

408513 2013 JO_{36} 11 17.8 113.°68 3.°4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.86	+10 0.3	2.298	3.165	10.5	21.3
10 28	3 49.02	+ 9 12.4	2.245	3.175	7.5	21.1
11 7	3 41.77	+ 8 26.0	2.217	3.185	4.6	20.9
11 17	3 33.78	+ 7 44.7	2.219	3.194	3.5	20.9
11 27	3 25.89	+ 7 12.3	2.250	3.203	5.4	21.0
12 7	3 18.88	+ 6 51.3	2.309	3.213	8.3	21.2
12 17	3 13.36	+ 6 43.2	2.395	3.222	11.0	21.4
12 27	3 9.76	+ 6 48.1	2.502	3.230	13.3	21.6

60592 2000 EE_{146} 11 17.8 42.°45 2.°7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.11	+12 36.7	1.734	2.607	13.0	19.2
10 28	3 51.78	+12 18.6	1.674	2.609	9.2	19.0
11 7	3 43.42	+12 0.8	1.638	2.611	5.2	18.8
11 17	3 33.91	+11 46.2	1.630	2.613	2.7	18.6
11 27	3 24.42	+11 37.9	1.649	2.615	5.5	18.8
12 7	3 16.07	+11 38.8	1.696	2.618	9.5	19.1
12 17	3 9.74	+11 50.5	1.768	2.620	13.2	19.3
12 27	3 6.00	+12 13.6	1.861	2.622	16.2	19.5

28732 Rheakamat 11 17.8 65.°78 4.°5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.11	+10 53.6	1.390	2.272	15.0	17.8
10 28	3 52.58	+ 9 56.8	1.351	2.289	10.7	17.6
11 7	3 43.81	+ 9 2.2	1.335	2.306	6.5	17.4
11 17	3 33.95	+ 8 15.5	1.345	2.323	4.6	17.4
11 27	3 24.38	+ 7 42.5	1.382	2.341	7.3	17.6
12 7	3 16.36	+ 7 26.8	1.444	2.359	11.4	17.9
12 17	3 10.75	+ 7 29.4	1.529	2.376	15.1	18.1
12 27	3 8.01	+ 7 49.3	1.634	2.394	18.1	18.4

169425 2001 YA_{54} 11 17.8 318.°37 1.°6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.16	+22 51.2	1.107	1.991	17.8	20.2
10 28	3 53.87	+22 56.8	1.036	1.975	13.0	19.9
11 7	3 45.12	+22 49.9	0.984	1.959	7.4	19.6
11 17	3 34.09	+22 30.1	0.956	1.944	1.9	19.2
11 27	3 22.63	+22 0.9	0.952	1.929	5.8	19.4
12 7	3 12.77	+21 29.0	0.972	1.915	11.9	19.7
12 17	3 6.09	+21 2.0	1.012	1.902	17.4	19.9
12 27	3 3.48	+20 46.5	1.071	1.890	22.1	20.2

478506 2012 SA_{23} 11 17.8 2°.94 0°.8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 56.63	+21 29.0	1.149	2.036	17.0	20.7
10 28	3 51.64	+21 28.4	1.093	2.035	12.2	20.5
11 7	3 43.68	+21 17.3	1.058	2.034	6.7	20.2
11 17	3 33.96	+20 57.1	1.047	2.035	1.1	19.8
11 27	3 24.22	+20 31.9	1.060	2.037	5.4	20.1
12 7	3 16.13	+20 7.7	1.098	2.041	10.9	20.4
12 17	3 10.94	+19 50.3	1.157	2.045	15.8	20.7
12 27	3 9.30	+19 44.0	1.235	2.051	19.9	21.0

337970 2002 CA_{63} 11 17.8 296°.92 1°.0/18.2 18

10 18	4 0.47	+21 2.0	1.551	2.419	14.5	20.5
10 28	3 54.00	+21 18.6	1.475	2.407	10.5	20.2
11 7	3 44.88	+21 28.2	1.422	2.395	5.8	19.9
11 17	3 34.06	+21 30.4	1.395	2.383	1.1	19.6
11 27	3 22.97	+21 26.9	1.396	2.372	4.7	19.8
12 7	3 13.09	+21 21.3	1.424	2.360	9.6	20.1
12 17	3 5.61	+21 17.8	1.477	2.349	14.1	20.3
12 27	3 1.30	+21 20.6	1.550	2.338	17.8	20.5

54999 2001 QE_{16} 11 17.8 6°.61 5°.9/15.6 18

10 18	3 55.57	+ 6 33.3	1.354	2.240	15.0	17.4
10 28	3 50.33	+ 6 3.1	1.304	2.241	11.1	17.2
11 7	3 42.76	+ 5 40.6	1.276	2.243	7.4	17.0
11 17	3 33.89	+ 5 30.7	1.272	2.246	5.9	16.9
11 27	3 25.07	+ 5 37.7	1.294	2.250	8.3	17.1
12 7	3 17.60	+ 6 3.0	1.341	2.255	12.1	17.3
12 17	3 12.45	+ 6 45.9	1.409	2.261	15.9	17.6
12 27	3 10.21	+ 7 44.0	1.497	2.268	19.0	17.8

428593 2008 EE_{54} 11 17.8 167°.06 1°.4/17.2 18

10 18	4 1.87	+16 4.8	1.718	2.583	13.4	21.4
10 28	3 54.49	+15 52.4	1.655	2.587	9.5	21.2
11 7	3 44.90	+15 36.7	1.616	2.590	5.1	20.9
11 17	3 34.06	+15 19.9	1.606	2.593	1.4	20.7
11 27	3 23.23	+15 5.0	1.625	2.595	4.9	20.9
12 7	3 13.65	+14 55.6	1.671	2.597	9.3	21.2
12 17	3 6.27	+14 54.4	1.744	2.598	13.2	21.4
12 27	3 1.68	+15 3.6	1.837	2.599	16.4	21.7

96913 1999 TO_{103} 11 17.8 13°.14 5°.2/20.2 18

10 18	4 1.07	+31 52.3	1.613	2.453	15.5	19.3
10 28	3 54.41	+32 22.4	1.546	2.454	11.9	19.1
11 7	3 45.05	+32 35.1	1.502	2.455	8.2	18.9
11 17	3 34.08	+32 27.9	1.484	2.456	5.4	18.7
11 27	3 23.02	+32 1.8	1.492	2.457	6.1	18.8
12 7	3 13.39	+31 22.0	1.527	2.459	9.5	19.0
12 17	3 6.35	+30 36.1	1.587	2.461	13.1	19.2
12 27	3 2.59	+29 51.6	1.668	2.463	16.4	19.4

24859 1996 BP_{11} 11 17.8 11°.26 9°.6/13.1 18

10 18	3 52.73	+ 2 8.0	1.151	2.044	16.6	16.8
10 28	3 48.47	+ 0 30.1	1.114	2.048	12.9	16.7
11 7	3 41.79	− 0 54.3	1.099	2.053	10.2	16.5
11 17	3 33.84	− 1 55.0	1.106	2.060	9.9	16.5
11 27	3 26.05	− 2 24.4	1.136	2.068	12.1	16.7
12 7	3 19.77	− 2 20.6	1.187	2.078	15.4	16.9
12 17	3 15.94	− 1 46.1	1.258	2.089	18.7	17.2
12 27	3 15.07	− 0 46.2	1.345	2.101	21.6	17.4

177518 2004 EK_{77} 11 17.8 197°.62 1°.2/18.5 18

10 18	3 58.45	+23 14.2	1.977	2.832	12.4	20.2
10 28	3 52.00	+23 11.3	1.906	2.832	8.9	20.0
11 7	3 43.56	+22 59.7	1.861	2.831	5.0	19.7
11 17	3 33.98	+22 40.0	1.843	2.830	1.3	19.5
11 27	3 24.36	+22 14.5	1.854	2.829	3.8	19.7
12 7	3 15.79	+21 47.3	1.894	2.828	7.8	19.9
12 17	3 9.14	+21 22.6	1.961	2.826	11.4	20.1
12 27	3 4.99	+21 4.3	2.050	2.825	14.4	20.3

5981 Kresilas 11 17.8 40°.13 6°.5/20.9 18

10 18	4 2.11	+34 9.8	1.480	2.317	16.8	16.4
10 28	3 55.17	+34 55.4	1.434	2.335	13.1	16.2
11 7	3 45.41	+35 19.9	1.410	2.354	9.4	16.0
11 17	3 34.12	+35 20.4	1.409	2.374	6.8	15.9
11 27	3 22.99	+34 58.0	1.435	2.394	7.1	16.0
12 7	3 13.62	+34 19.0	1.487	2.415	10.0	16.2
12 17	3 7.12	+33 31.6	1.562	2.437	13.3	16.5
12 27	3 4.05	+32 44.4	1.659	2.458	16.3	16.7

53050 1998 WM_{41} 11 17.8 27°.83 2°.9/18.8 18

10 18	4 1.92	+24 13.9	1.237	2.110	17.1	18.4
10 28	3 55.31	+24 50.7	1.184	2.116	12.5	18.1
11 7	3 45.63	+25 15.7	1.152	2.123	7.4	17.9
11 17	3 34.15	+25 26.9	1.145	2.130	3.0	17.6
11 27	3 22.67	+25 25.6	1.164	2.139	5.5	17.8
12 7	3 12.94	+25 16.6	1.207	2.147	10.5	18.1
12 17	3 6.24	+25 6.0	1.274	2.157	15.1	18.4
12 27	3 3.24	+24 59.7	1.360	2.167	18.9	18.7

44708 1999 TS_{1} 11 17.8 87°.59 0°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.44	+19 4.2	1.399	2.273	15.4	18.8
10 28	3 54.36	+18 30.3	1.352	2.289	10.8	18.5
11 7	3 44.84	+17 48.8	1.329	2.304	5.7	18.3
11 17	3 34.08	+17 3.3	1.331	2.319	0.9	18.0
11 27	3 23.58	+16 19.2	1.361	2.334	5.2	18.3
12 7	3 14.72	+15 42.4	1.418	2.349	10.1	18.7
12 17	3 8.45	+15 17.1	1.498	2.364	14.3	19.0
12 27	3 5.27	+15 6.0	1.599	2.378	17.7	19.2

279162 2009 SM_{134} 11 17.8 70°.38 0°.9/17.5 18

10 18	4 2.55	+17 38.4	1.347	2.222	15.8	20.7
10 28	3 55.17	+17 29.8	1.305	2.242	11.1	20.5
11 7	3 45.27	+17 16.1	1.287	2.263	5.9	20.3
11 17	3 34.12	+16 59.5	1.294	2.283	1.0	20.0
11 27	3 23.27	+16 43.8	1.329	2.303	5.2	20.4
12 7	3 14.14	+16 33.1	1.391	2.323	10.1	20.7
12 17	3 7.71	+16 30.9	1.475	2.343	14.3	21.0
12 27	3 4.47	+16 39.3	1.581	2.363	17.7	21.3

85323 1995 GF_{8} 11 17.8 226°.05 1°.5/18.8 18

10 18	3 56.33	+24 44.4	2.529	3.374	10.4	20.0
10 28	3 50.23	+24 43.2	2.450	3.369	7.5	19.8
11 7	3 42.54	+24 34.0	2.396	3.363	4.4	19.6
11 17	3 33.92	+24 17.2	2.372	3.357	1.6	19.4
11 27	3 25.24	+23 54.4	2.377	3.351	3.3	19.5
12 7	3 17.34	+23 28.7	2.413	3.345	6.5	19.7
12 17	3 10.93	+23 3.4	2.476	3.338	9.5	19.9
12 27	3 6.54	+22 42.1	2.564	3.331	12.1	20.1

269275 2008 RY_{95} 11 17.8 184°.85 4°.4/20.9 17

10 18	3 57.96	+34 44.2	2.429	3.241	11.8	20.7
10 28	3 51.53	+34 52.9	2.353	3.241	9.3	20.5
11 7	3 43.27	+34 46.7	2.302	3.241	6.6	20.4
11 17	3 33.98	+34 24.5	2.277	3.241	4.7	20.2
11 27	3 24.66	+33 47.7	2.282	3.241	4.9	20.3
12 7	3 16.31	+33 0.1	2.316	3.240	7.1	20.4
12 17	3 9.73	+32 6.9	2.377	3.239	9.8	20.6
12 27	3 5.47	+31 13.9	2.462	3.239	12.3	20.7

74640 1999 RW_{59} 11 17.8 89°.53 2°.4/16.8 18

10 18	4 2.23	+14 47.9	1.389	2.265	15.4	18.9
10 28	3 54.88	+14 19.6	1.344	2.282	10.8	18.7
11 7	3 45.11	+13 49.1	1.324	2.299	5.9	18.5
11 17	3 34.11	+13 20.0	1.329	2.315	2.4	18.3
11 27	3 23.39	+12 57.0	1.362	2.332	5.9	18.6
12 7	3 14.31	+12 44.1	1.422	2.348	10.6	18.9
12 17	3 7.80	+12 43.8	1.505	2.364	14.6	19.2
12 27	3 4.39	+12 56.9	1.608	2.379	17.9	19.4

516014 2015 RD_{255} 11 17.8 275°.78 2°.0/16.7 18

10 18	3 56.39	+15 33.5	1.886	2.757	12.2	21.6
10 28	3 50.50	+14 55.2	1.821	2.756	8.6	21.4
11 7	3 42.74	+14 13.5	1.780	2.755	4.7	21.2
11 17	3 33.94	+13 31.7	1.768	2.753	2.0	21.0
11 27	3 25.14	+12 54.1	1.784	2.752	4.9	21.2
12 7	3 17.38	+12 24.8	1.828	2.751	8.8	21.4
12 17	3 11.47	+12 6.9	1.897	2.749	12.4	21.6
12 27	3 7.94	+12 1.8	1.988	2.748	15.3	21.8

75606 2000 AL_{32} 11 17.8 17°.03 9°.0/15.2 18

10 18	3 58.05	− 1 1.5	1.299	2.173	16.4	17.7
10 28	3 52.06	− 1 28.7	1.257	2.179	12.9	17.5
11 7	3 43.67	− 1 38.3	1.236	2.185	9.9	17.4
11 17	3 34.01	− 1 24.9	1.239	2.193	9.0	17.4
11 27	3 24.50	− 0 45.6	1.267	2.202	10.8	17.5
12 7	3 16.49	+ 0 18.2	1.318	2.211	13.9	17.7
12 17	3 10.93	+ 1 42.3	1.390	2.222	17.2	18.0
12 27	3 8.38	+ 3 21.3	1.481	2.233	20.1	18.2

485836 2012 DZ_{74} 11 17.8 112°.36 5°.2/21.1 17

10 18	3 59.52	+35 32.6	2.182	2.994	13.0	21.4
10 28	3 52.81	+35 52.7	2.111	2.997	10.3	21.3
11 7	3 44.03	+35 56.3	2.063	3.000	7.5	21.1
11 17	3 34.05	+35 41.6	2.042	3.002	5.4	21.0
11 27	3 24.03	+35 9.6	2.049	3.005	5.7	21.0
12 7	3 15.14	+34 24.4	2.085	3.008	7.9	21.1
12 17	3 8.27	+33 32.1	2.147	3.010	10.7	21.3
12 27	3 4.00	+32 39.1	2.233	3.013	13.3	21.5

97688 2000 GX_{22} 11 17.8 155°.34 3°.4/15.2 18

10 18	3 53.43	+ 9 40.9	2.537	3.403	9.6	19.9
10 28	3 47.99	+ 8 48.0	2.476	3.406	6.9	19.7
11 7	3 41.26	+ 7 56.4	2.442	3.408	4.4	19.6
11 17	3 33.84	+ 7 9.5	2.437	3.411	3.4	19.5
11 27	3 26.46	+ 6 31.1	2.462	3.413	5.2	19.7
12 7	3 19.83	+ 6 3.8	2.515	3.415	7.9	19.8
12 17	3 14.53	+ 5 49.1	2.595	3.417	10.4	20.0
12 27	3 10.96	+ 5 47.4	2.697	3.419	12.6	20.2

112184 2002 JG_{100} 11 17.8 223°.78 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.73	+25 7.2	1.495	2.357	15.3	20.2
10 28	3 54.10	+24 28.6	1.425	2.354	11.1	19.9
11 7	3 44.87	+23 34.4	1.378	2.349	6.3	19.6
11 17	3 34.13	+22 26.8	1.357	2.345	1.5	19.3
11 27	3 23.39	+21 11.6	1.364	2.340	4.7	19.5
12 7	3 14.11	+19 56.9	1.399	2.335	9.7	19.8
12 17	3 7.37	+18 50.7	1.458	2.330	14.2	20.1
12 27	3 3.83	+17 58.9	1.538	2.324	18.0	20.3

353976 2000 CU_{107} 11 17.8 20°.49 0°.6/18.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.71	+21 51.6	1.551	2.422	14.4	21.3
10 28	3 51.80	+21 37.4	1.491	2.425	10.2	21.0
11 7	3 43.57	+21 13.8	1.455	2.428	5.6	20.8
11 17	3 34.03	+20 42.3	1.444	2.432	0.8	20.5
11 27	3 24.53	+20 7.1	1.461	2.437	4.5	20.7
12 7	3 16.36	+19 33.3	1.505	2.441	9.1	21.0
12 17	3 10.50	+19 5.9	1.573	2.446	13.3	21.3
12 27	3 7.53	+18 48.7	1.662	2.452	16.7	21.5

269836 2000 BG_{29} 11 17.8 315°.44 6°.9/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.16	+40 32.8	2.127	2.919	13.9	20.0
10 28	3 52.82	+40 55.8	2.047	2.912	11.5	19.8
11 7	3 44.14	+40 58.5	1.989	2.904	9.0	19.6
11 17	3 34.08	+40 38.0	1.955	2.897	7.2	19.5
11 27	3 23.90	+39 54.9	1.949	2.891	7.2	19.5
12 7	3 14.89	+38 53.6	1.970	2.884	8.9	19.6
12 17	3 8.09	+37 41.0	2.017	2.878	11.4	19.7
12 27	3 4.13	+36 25.3	2.087	2.871	13.9	19.9

301381 2009 DR_{2} 11 17.8 312°.98 6°.0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.76	+33 25.9	1.750	2.578	15.0	20.5
10 28	3 55.67	+34 19.0	1.677	2.574	11.8	20.3
11 7	3 45.82	+34 55.9	1.627	2.571	8.5	20.1
11 17	3 34.22	+35 12.3	1.603	2.567	6.2	20.0
11 27	3 22.35	+35 7.7	1.606	2.564	6.7	20.0
12 7	3 11.77	+34 45.5	1.636	2.560	9.6	20.1
12 17	3 3.71	+34 12.6	1.691	2.557	12.9	20.3
12 27	2 58.95	+33 36.7	1.768	2.554	16.0	20.5

401118 2011 UL_{275} 11 17.8 48°.61 0°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.44	+23 45.6	1.789	2.650	13.2	21.0
10 28	3 51.38	+23 16.2	1.723	2.652	9.5	20.8
11 7	3 43.26	+22 35.7	1.682	2.654	5.3	20.6
11 17	3 34.01	+21 46.1	1.668	2.656	1.1	20.3
11 27	3 24.80	+20 51.8	1.683	2.658	4.1	20.5
12 7	3 16.79	+19 58.4	1.726	2.661	8.3	20.8
12 17	3 10.84	+19 11.3	1.794	2.663	12.1	21.0
12 27	3 7.50	+18 34.9	1.885	2.665	15.3	21.3

274650 2008 TU_{142} 11 17.8 327°.77 4°.1/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.83	+30 4.9	2.088	2.923	12.6	20.4
10 28	3 52.48	+30 45.0	2.009	2.915	9.7	20.2
11 7	3 43.96	+31 13.4	1.954	2.907	6.5	20.0
11 17	3 34.08	+31 27.9	1.926	2.899	4.2	19.8
11 27	3 23.98	+31 28.4	1.927	2.892	5.0	19.9
12 7	3 14.83	+31 17.7	1.957	2.885	8.0	20.0
12 17	3 7.62	+31 0.2	2.012	2.879	11.1	20.2
12 27	3 3.02	+30 41.1	2.091	2.873	14.0	20.4

322972 2002 LS_{22} 11 17.8 138°.24 4°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.35	+ 4 45.4	2.433	3.283	10.6	20.1
10 28	3 52.89	+ 4 56.2	2.371	3.289	7.8	19.9
11 7	3 43.90	+ 5 13.5	2.335	3.294	5.2	19.8
11 17	3 34.07	+ 5 38.9	2.330	3.300	4.0	19.7
11 27	3 24.27	+ 6 13.5	2.355	3.305	5.5	19.8
12 7	3 15.33	+ 6 57.1	2.411	3.309	8.2	20.0
12 17	3 7.91	+ 7 49.2	2.494	3.314	10.9	20.2
12 27	3 2.50	+ 8 48.7	2.601	3.319	13.1	20.3

145054 2005 GD_{12} 11 17.8 219°.27 3°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.82	+13 6.1	1.518	2.393	14.4	19.8
10 28	3 54.03	+12 35.6	1.453	2.389	10.3	19.6
11 7	3 44.81	+12 3.9	1.411	2.385	5.8	19.3
11 17	3 34.15	+11 34.9	1.397	2.380	3.1	19.1
11 27	3 23.44	+11 13.3	1.409	2.376	6.3	19.3
12 7	3 14.03	+11 3.0	1.449	2.371	10.8	19.6
12 17	3 6.96	+11 6.4	1.512	2.365	14.9	19.8
12 27	3 2.90	+11 24.4	1.596	2.360	18.4	20.0

168708 2000 HJ_{10} 11 17.8 286°.52 1°.0/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.99	+20 35.9	1.877	2.734	12.9	19.8
10 28	3 54.96	+21 7.5	1.781	2.708	9.4	19.5
11 7	3 45.44	+21 34.7	1.711	2.682	5.2	19.2
11 17	3 34.22	+21 56.3	1.668	2.656	1.2	18.9
11 27	3 22.50	+22 12.7	1.655	2.629	4.3	19.1
12 7	3 11.62	+22 25.4	1.671	2.603	8.8	19.3
12 17	3 2.74	+22 37.6	1.713	2.576	12.9	19.5
12 27	2 56.71	+22 53.0	1.778	2.549	16.5	19.7

288509 2004 FH_{106} 11 17.8 187°.11 4°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.17	+31 42.1	2.360	3.180	11.9	21.0
10 28	3 53.87	+32 9.1	2.283	3.180	9.1	20.8
11 7	3 44.59	+32 23.3	2.231	3.179	6.3	20.6
11 17	3 34.14	+32 23.1	2.208	3.178	4.2	20.5
11 27	3 23.57	+32 9.1	2.214	3.176	4.7	20.5
12 7	3 13.97	+31 44.2	2.250	3.174	7.3	20.7
12 17	3 6.20	+31 13.3	2.313	3.171	10.2	20.9
12 27	3 0.88	+30 41.7	2.399	3.169	12.8	21.1

159812 2003 SG_{186} 11 17.8 37°.64 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.51	+19 12.3	2.154	3.015	11.3	20.0
10 28	3 50.47	+19 8.7	2.087	3.017	8.0	19.8
11 7	3 42.72	+19 0.4	2.045	3.019	4.3	19.5
11 17	3 33.99	+18 48.4	2.032	3.021	0.3	19.2
11 27	3 25.25	+18 35.2	2.049	3.023	3.6	19.5
12 7	3 17.43	+18 23.4	2.094	3.025	7.4	19.7
12 17	3 11.28	+18 15.9	2.166	3.027	10.7	20.0
12 27	3 7.34	+18 15.0	2.261	3.029	13.5	20.2

173808 2001 SH_{239} 11 17.8 117°.74 1°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.12	+24 4.7	2.049	2.901	12.2	20.8
10 28	3 52.37	+24 5.5	1.987	2.909	8.8	20.6
11 7	3 43.74	+23 57.2	1.949	2.918	5.0	20.4
11 17	3 34.07	+23 40.3	1.940	2.926	1.6	20.2
11 27	3 24.45	+23 17.1	1.960	2.934	3.7	20.3
12 7	3 15.91	+22 51.4	2.009	2.942	7.5	20.6
12 17	3 9.27	+22 27.1	2.085	2.949	10.9	20.8
12 27	3 5.06	+22 8.3	2.184	2.957	13.7	21.0

475569 2006 TZ_{126} 11 17.8 350°.40 0°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.13	+18 38.4	1.134	2.021	17.3	20.7
10 28	3 54.30	+19 1.2	1.074	2.015	12.4	20.4
11 7	3 45.26	+19 19.0	1.034	2.011	6.7	20.1
11 17	3 34.21	+19 31.5	1.019	2.007	0.6	19.7
11 27	3 22.96	+19 40.7	1.028	2.004	5.7	20.0
12 7	3 13.36	+19 50.2	1.062	2.003	11.5	20.3
12 17	3 6.81	+20 4.0	1.117	2.002	16.6	20.6
12 27	3 4.09	+20 25.5	1.191	2.002	20.7	20.9

291436 2006 DX_{31} 11 17.8 182°.41 3°.6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.86	+ 8 18.1	2.580	3.444	9.6	21.0
10 28	3 48.31	+ 7 30.8	2.517	3.444	7.0	20.8
11 7	3 41.46	+ 6 45.7	2.480	3.444	4.5	20.7
11 17	3 33.90	+ 6 6.2	2.473	3.444	3.7	20.6
11 27	3 26.37	+ 5 35.6	2.495	3.443	5.4	20.7
12 7	3 19.56	+ 5 16.3	2.547	3.443	7.9	20.9
12 17	3 14.05	+ 5 9.6	2.624	3.442	10.5	21.0
12 27	3 10.28	+ 5 15.6	2.723	3.440	12.6	21.2

201106 2002 GS_{154} 11 17.8 157°.55 2°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.14	+14 29.5	2.096	2.958	11.5	21.1
10 28	3 52.25	+14 3.5	2.034	2.965	8.1	20.9
11 7	3 43.63	+13 35.7	1.998	2.971	4.4	20.7
11 17	3 34.08	+13 8.6	1.991	2.977	2.0	20.5
11 27	3 24.58	+12 45.5	2.015	2.982	4.6	20.7
12 7	3 16.10	+12 29.4	2.067	2.986	8.2	20.9
12 17	3 9.37	+12 22.5	2.146	2.990	11.5	21.1
12 27	3 4.91	+12 26.2	2.247	2.993	14.2	21.3

128236 2003 SC_{151} 11 17.8 77°.08 3°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.21	+ 7 58.7	2.181	3.046	11.0	19.2
10 28	3 50.10	+ 7 38.8	2.126	3.055	8.0	19.0
11 7	3 42.45	+ 7 22.8	2.097	3.063	5.0	18.9
11 17	3 33.98	+ 7 13.5	2.097	3.071	3.8	18.8
11 27	3 25.58	+ 7 13.3	2.126	3.080	5.6	18.9
12 7	3 18.10	+ 7 23.9	2.183	3.088	8.6	19.1
12 17	3 12.19	+ 7 45.6	2.266	3.097	11.4	19.3
12 27	3 8.34	+ 8 17.9	2.371	3.105	13.8	19.5

490058 2008 TG_{86} 11 17.8 193°.55 3°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.87	+29 16.4	2.398	3.231	11.3	21.3
10 28	3 51.46	+29 36.1	2.324	3.231	8.5	21.2
11 7	3 43.28	+29 45.0	2.275	3.230	5.5	21.0
11 17	3 34.06	+29 42.1	2.254	3.230	3.3	20.8
11 27	3 24.75	+29 28.5	2.262	3.230	4.1	20.9
12 7	3 16.33	+29 7.0	2.300	3.230	6.9	21.1
12 17	3 9.59	+28 41.8	2.365	3.229	9.8	21.3
12 27	3 5.08	+28 17.1	2.454	3.229	12.4	21.4

365346 2009 SN_{270} 11 17.8 110°.49 2°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.56	+11 12.4	2.304	3.170	10.5	21.3
10 28	3 49.56	+10 34.5	2.251	3.182	7.4	21.1
11 7	3 42.13	+ 9 57.4	2.224	3.193	4.4	20.9
11 17	3 33.97	+ 9 24.2	2.225	3.204	3.0	20.9
11 27	3 25.90	+ 8 58.4	2.257	3.215	5.0	21.0
12 7	3 18.72	+ 8 42.3	2.317	3.226	8.0	21.2
12 17	3 13.05	+ 8 37.4	2.404	3.237	10.8	21.4
12 27	3 9.33	+ 8 44.1	2.512	3.247	13.1	21.6

46644 Lagia 11 17.8 67°.94 2°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.38	+26 52.9	1.316	2.180	16.8	19.5
10 28	3 54.58	+26 22.6	1.267	2.195	12.2	19.3
11 7	3 45.07	+25 34.7	1.240	2.210	7.1	19.0
11 17	3 34.19	+24 31.7	1.239	2.225	2.5	18.8
11 27	3 23.62	+23 19.8	1.264	2.240	5.0	19.0
12 7	3 14.87	+22 7.8	1.316	2.255	9.9	19.3
12 17	3 8.95	+21 3.9	1.392	2.271	14.3	19.6
12 27	3 6.37	+20 14.1	1.488	2.286	17.9	19.9

520486 2014 KL_{111} 11 17.8 47°.55 5°.9/14.7 18

10 18	3 56.29	+ 4 31.0	1.807	2.677	12.7	21.1
10 28	3 50.41	+ 3 40.1	1.754	2.680	9.5	20.9
11 7	3 42.70	+ 2 56.2	1.726	2.683	6.8	20.7
11 17	3 34.02	+ 2 24.4	1.724	2.686	6.0	20.7
11 27	3 25.40	+ 2 9.0	1.750	2.690	7.9	20.8
12 7	3 17.85	+ 2 12.0	1.802	2.693	10.9	21.0
12 17	3 12.14	+ 2 33.3	1.877	2.697	13.9	21.2
12 27	3 8.79	+ 3 11.1	1.973	2.700	16.5	21.4

165962 2001 XM_{168} 11 17.8 212°.22 1°.6/17.1 18

10 18	4 1.58	+17 21.9	1.567	2.436	14.3	20.3
10 28	3 54.58	+16 45.6	1.497	2.431	10.1	20.1
11 7	3 45.12	+16 2.9	1.451	2.426	5.4	19.8
11 17	3 34.22	+15 17.2	1.432	2.420	1.6	19.5
11 27	3 23.25	+14 33.4	1.442	2.413	5.4	19.7
12 7	3 13.58	+13 57.3	1.479	2.406	10.2	20.0
12 17	3 6.28	+13 33.2	1.541	2.398	14.4	20.3
12 27	3 1.98	+13 23.8	1.623	2.390	18.0	20.5

79239 1994 PY_{37} 11 17.8 125°.22 0°.9/18.3 18

10 18	4 2.25	+23 2.6	1.761	2.617	13.7	20.5
10 28	3 54.69	+22 44.7	1.706	2.632	9.8	20.3
11 7	3 45.00	+22 16.6	1.675	2.646	5.4	20.1
11 17	3 34.20	+21 40.0	1.672	2.660	1.1	19.8
11 27	3 23.58	+20 58.7	1.699	2.673	4.1	20.1
12 7	3 14.34	+20 17.7	1.754	2.686	8.4	20.3
12 17	3 7.35	+19 42.2	1.835	2.698	12.2	20.6
12 27	3 3.12	+19 16.1	1.938	2.709	15.3	20.8

352274 2007 TZ_{306} 11 17.8 21°.47 5°.5/19.8 18

10 18	4 3.04	+30 34.5	1.541	2.385	15.9	20.9
10 28	3 55.99	+31 34.9	1.478	2.388	12.2	20.7
11 7	3 46.05	+32 20.0	1.438	2.391	8.4	20.5
11 17	3 34.30	+32 45.5	1.424	2.396	5.7	20.3
11 27	3 22.39	+32 51.0	1.436	2.400	6.5	20.4
12 7	3 11.95	+32 40.0	1.475	2.405	9.9	20.6
12 17	3 4.25	+32 19.4	1.538	2.410	13.6	20.8
12 27	3 0.03	+31 56.7	1.622	2.416	16.9	21.1

73107 2002 GL_{26} 11 17.8 145°.48 2°.9/19.1 18

10 18	4 4.26	+26 41.6	1.608	2.458	15.0	19.3
10 28	3 56.50	+26 53.5	1.546	2.465	11.1	19.1
11 7	3 46.14	+26 51.7	1.507	2.472	6.7	18.9
11 17	3 34.31	+26 35.5	1.495	2.479	3.1	18.7
11 27	3 22.51	+26 7.2	1.512	2.485	4.9	18.8
12 7	3 12.20	+25 32.0	1.556	2.490	9.1	19.1
12 17	3 4.48	+24 56.5	1.626	2.495	13.1	19.3
12 27	2 59.96	+24 26.8	1.717	2.500	16.5	19.5

30632 6117 P–L 11 17.8 13°.51 1°.1/18.3 18

10 18	3 57.93	+21 58.3	1.125	2.011	17.4	18.1
10 28	3 52.60	+21 59.3	1.074	2.014	12.5	17.8
11 7	3 44.25	+21 49.0	1.043	2.019	6.9	17.5
11 17	3 34.16	+21 28.8	1.036	2.024	1.3	17.2
11 27	3 24.13	+21 2.6	1.054	2.031	5.4	17.5
12 7	3 15.87	+20 36.9	1.096	2.039	10.9	17.8
12 17	3 10.57	+20 17.6	1.159	2.047	15.8	18.1
12 27	3 8.89	+20 9.3	1.242	2.057	19.8	18.4

16181 2000 AC_{137} 11 17.8 197°.50 1°.3/18.7 18

10 18	3 56.04	+24 23.3	2.756	3.599	9.7	18.8
10 28	3 49.93	+24 20.2	2.678	3.597	7.0	18.6
11 7	3 42.38	+24 9.8	2.627	3.594	4.0	18.4
11 17	3 34.02	+23 52.5	2.605	3.591	1.4	18.2
11 27	3 25.62	+23 30.2	2.614	3.588	3.0	18.4
12 7	3 17.94	+23 5.4	2.653	3.584	6.0	18.6
12 17	3 11.63	+22 41.3	2.721	3.580	8.8	18.7
12 27	3 7.17	+22 20.9	2.813	3.576	11.2	18.9

181914 1999 TZ_{46} 11 17.8 15°.96 1°.8/18.5 18

10 18	3 59.11	+22 34.7	1.023	1.912	18.5	19.6
10 28	3 53.66	+22 52.6	0.975	1.917	13.4	19.3
11 7	3 44.91	+22 58.5	0.947	1.922	7.5	19.0
11 17	3 34.22	+22 52.2	0.941	1.929	2.1	18.7
11 27	3 23.59	+22 37.0	0.960	1.937	5.7	19.0
12 7	3 14.92	+22 19.0	1.001	1.946	11.5	19.4
12 17	3 9.51	+22 4.8	1.064	1.956	16.5	19.7
12 27	3 8.02	+21 59.6	1.145	1.968	20.7	20.0

25211 1998 SU_{147} 11 17.8 82°.44 0°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.69	+18 30.0	1.774	2.642	13.0	18.3
10 28	3 52.26	+18 18.3	1.713	2.646	9.2	18.1
11 7	3 43.77	+18 1.3	1.677	2.651	4.9	17.9
11 17	3 34.14	+17 40.8	1.668	2.656	0.6	17.5
11 27	3 24.54	+17 20.1	1.688	2.661	4.3	17.8
12 7	3 16.12	+17 2.9	1.736	2.666	8.6	18.1
12 17	3 9.74	+16 52.4	1.809	2.671	12.4	18.4
12 27	3 5.97	+16 51.2	1.904	2.676	15.5	18.6

63833 2001 RW_{74} 11 17.8 67°.70 1°.0/17.3 18

10 18	3 56.84	+18 21.4	1.835	2.704	12.6	19.3
10 28	3 50.83	+17 45.7	1.778	2.712	8.8	19.1
11 7	3 42.95	+17 4.4	1.745	2.720	4.7	18.9
11 17	3 34.07	+16 20.4	1.740	2.728	1.0	18.6
11 27	3 25.29	+15 38.1	1.764	2.736	4.4	18.9
12 7	3 17.65	+15 2.0	1.816	2.744	8.5	19.2
12 17	3 11.93	+14 35.7	1.893	2.753	12.1	19.4
12 27	3 8.64	+14 21.3	1.992	2.761	15.0	19.6

147058 2002 RP_{115} 11 17.8 88°.91 2°.8/16.7 18

10 18	4 1.73	+13 43.3	1.426	2.302	15.1	20.3
10 28	3 54.53	+13 14.3	1.381	2.317	10.6	20.1
11 7	3 44.98	+12 44.3	1.359	2.333	5.9	19.9
11 17	3 34.23	+12 17.1	1.364	2.348	2.8	19.7
11 27	3 23.71	+11 57.2	1.396	2.363	6.1	20.0
12 7	3 14.76	+11 48.2	1.454	2.378	10.5	20.3
12 17	3 8.30	+11 52.1	1.537	2.393	14.5	20.5
12 27	3 4.86	+12 9.5	1.639	2.408	17.8	20.8

514794 2007 MY_{10} 11 17.8 63°.60 6°.7/22.4 18

10 18	4 4.30	+38 47.8	1.544	2.358	17.3	20.6
10 28	3 56.45	+38 39.7	1.502	2.386	13.7	20.5
11 7	3 45.97	+38 4.8	1.480	2.414	10.0	20.3
11 17	3 34.29	+37 2.7	1.484	2.443	7.2	20.2
11 27	3 23.15	+35 37.9	1.514	2.471	7.1	20.3
12 7	3 14.01	+34 0.0	1.571	2.499	9.6	20.5
12 17	3 7.79	+32 19.8	1.653	2.527	12.7	20.8
12 27	3 4.89	+30 46.7	1.758	2.555	15.7	21.0

133173 2003 QK_{42} 11 17.8 30°.95 0°.8/17.5 18

10 18	3 59.23	+19 2.5	0.963	1.859	18.7	18.2
10 28	3 53.14	+18 38.7	0.945	1.892	13.0	18.0
11 7	3 44.24	+18 7.4	0.948	1.926	6.8	17.8
11 17	3 34.15	+17 33.0	0.973	1.961	0.9	17.5
11 27	3 24.76	+17 1.5	1.022	1.998	5.8	18.0
12 7	3 17.58	+16 38.9	1.095	2.036	11.2	18.4
12 17	3 13.47	+16 28.8	1.189	2.074	15.7	18.8
12 27	3 12.75	+16 32.5	1.302	2.114	19.3	19.2

82541 2001 OC_{67} 11 17.8 103°.61 0°.1/17.9 18

10 18	4 3.37	+19 17.1	1.596	2.460	14.4	19.1
10 28	3 55.67	+19 26.2	1.543	2.474	10.2	18.9
11 7	3 45.62	+19 29.5	1.515	2.488	5.5	18.6
11 17	3 34.29	+19 27.3	1.514	2.502	0.5	18.3
11 27	3 23.09	+19 22.1	1.541	2.516	4.5	18.6
12 7	3 13.34	+19 17.3	1.597	2.529	9.1	18.9
12 17	3 6.02	+19 16.5	1.677	2.541	13.1	19.2
12 27	3 1.69	+19 22.7	1.779	2.554	16.3	19.5

484770 2009 BK_{126} 11 17.8 345°.68 8°.8/13.9 17

10 18	3 54.77	+ 1 48.4	1.291	2.175	15.8	20.3
10 28	3 49.99	+ 0 42.0	1.236	2.165	12.3	20.1
11 7	3 42.75	− 0 12.6	1.203	2.157	9.5	19.9
11 17	3 34.08	− 0 47.1	1.193	2.150	9.0	19.8
11 27	3 25.35	− 0 55.0	1.207	2.143	11.1	20.0
12 7	3 17.93	− 0 34.3	1.244	2.138	14.6	20.1
12 17	3 12.88	+ 0 13.4	1.301	2.134	18.1	20.4
12 27	3 10.82	+ 1 23.6	1.375	2.131	21.2	20.6

26038 2290 T-$_1$ 11 17.8 286°.31 2°.1/16.8 18 R

10 18	3 57.52	+15 2.2	1.732	2.605	13.0	19.0
10 28	3 51.59	+14 33.4	1.659	2.595	9.2	18.8
11 7	3 43.51	+14 1.6	1.610	2.584	5.1	18.5
11 17	3 34.15	+13 29.8	1.588	2.574	2.1	18.3
11 27	3 24.67	+13 2.4	1.594	2.563	5.3	18.5
12 7	3 16.24	+12 43.2	1.628	2.553	9.6	18.7
12 17	3 9.82	+12 35.4	1.687	2.543	13.5	18.9
12 27	3 6.04	+12 40.6	1.766	2.533	16.7	19.1

214132 2005 AC_{4} 11 17.8 274°.73 0°.0/17.8 18

10 18	4 2.56	+18 58.5	1.343	2.218	15.9	20.0
10 28	3 55.76	+19 6.5	1.274	2.210	11.4	19.8
11 7	3 45.99	+19 8.4	1.228	2.203	6.2	19.4
11 17	3 34.35	+19 4.8	1.206	2.195	0.5	19.0
11 27	3 22.49	+18 58.2	1.212	2.187	5.3	19.4
12 7	3 12.08	+18 52.8	1.244	2.180	10.7	19.6
12 17	3 4.42	+18 53.0	1.299	2.172	15.5	19.9
12 27	3 0.29	+19 2.4	1.374	2.165	19.5	20.2

73160 2002 GZ_{143} 11 17.8 238°.95 3°.4/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.66	+13 52.7	1.395	2.275	15.1	19.9
10 28	3 53.34	+12 59.5	1.334	2.273	10.7	19.7
11 7	3 44.51	+12 3.1	1.296	2.270	6.1	19.4
11 17	3 34.23	+11 9.1	1.284	2.268	3.4	19.3
11 27	3 23.95	+10 24.0	1.299	2.265	6.8	19.5
12 7	3 15.08	+ 9 53.2	1.340	2.262	11.4	19.7
12 17	3 8.68	+ 9 40.0	1.404	2.259	15.7	20.0
12 27	3 5.37	+ 9 45.4	1.486	2.256	19.2	20.2

449623 2014 KS 11 17.9 103°.97 0°.4/17.7 15

10 18	4 1.70	+17 15.5	2.055	2.912	11.9	21.4
10 28	3 54.09	+17 30.3	2.001	2.929	8.4	21.2
11 7	3 44.65	+17 42.1	1.973	2.946	4.5	21.0
11 17	3 34.25	+17 51.3	1.974	2.963	0.5	20.7
11 27	3 23.94	+17 59.3	2.007	2.979	3.9	21.0
12 7	3 14.75	+18 8.1	2.068	2.996	7.7	21.3
12 17	3 7.46	+18 19.9	2.157	3.011	11.0	21.5
12 27	3 2.57	+18 36.5	2.268	3.027	13.7	21.8

193609 2001 CA_7 11 17.9 2°.36 12°.9/22.9 18

10 18	3 53.94	+40 10.3	0.926	1.783	22.8	17.7
10 28	3 51.09	+41 52.4	0.877	1.779	19.3	17.4
11 7	3 44.05	+43 1.4	0.845	1.777	15.8	17.2
11 17	3 34.24	+43 27.5	0.831	1.778	13.3	17.1
11 27	3 24.15	+43 7.9	0.836	1.783	13.1	17.1
12 7	3 16.37	+42 10.3	0.861	1.790	15.2	17.3
12 17	3 12.67	+40 48.8	0.904	1.799	18.4	17.5
12 27	3 13.82	+39 19.4	0.964	1.812	21.7	17.8

311729 2006 SW_{390} 11 17.9 7°.44 0°.5/18.1 18

10 18	3 56.84	+21 55.7	1.599	2.469	14.0	20.6
10 28	3 51.21	+21 35.4	1.536	2.470	10.0	20.3
11 7	3 43.33	+21 5.6	1.497	2.471	5.5	20.1
11 17	3 34.17	+20 28.1	1.484	2.472	0.7	19.7
11 27	3 25.03	+19 47.2	1.499	2.474	4.4	20.0
12 7	3 17.15	+19 8.2	1.540	2.477	9.0	20.3
12 17	3 11.48	+18 36.2	1.606	2.480	13.1	20.6
12 27	3 8.60	+18 15.0	1.694	2.483	16.4	20.8

330743 2008 SV_{86} 11 17.9 209°.82 0°.0/17.9 17

10 18	3 54.69	+21 22.2	2.395	3.252	10.4	21.1
10 28	3 49.09	+20 47.6	2.323	3.251	7.4	20.9
11 7	3 41.99	+20 5.9	2.277	3.250	4.0	20.7
11 17	3 34.07	+19 19.2	2.260	3.249	0.3	20.4
11 27	3 26.16	+18 30.9	2.274	3.248	3.3	20.7
12 7	3 19.08	+17 45.0	2.317	3.247	6.8	20.9
12 17	3 13.50	+17 5.1	2.388	3.246	9.9	21.1
12 27	3 9.89	+16 34.1	2.481	3.245	12.6	21.3

422206 2014 RR_{49} 11 17.9 77°.99 3°.1/19.6 17

10 18	3 58.77	+28 24.5	2.242	3.079	11.8	21.1
10 28	3 52.20	+28 48.0	2.172	3.082	8.8	20.9
11 7	3 43.76	+29 0.7	2.127	3.085	5.7	20.7
11 17	3 34.23	+29 1.6	2.111	3.089	3.2	20.6
11 27	3 24.63	+28 51.7	2.124	3.092	4.2	20.7
12 7	3 15.99	+28 34.0	2.165	3.096	7.2	20.9
12 17	3 9.15	+28 12.7	2.234	3.099	10.2	21.1
12 27	3 4.67	+27 52.2	2.326	3.103	12.9	21.3

17777 Ornicar 11 17.9 56°.17 4°.2/19.7 18

10 18	4 3.48	+28 51.9	1.178	2.042	18.4	17.6
10 28	3 56.44	+29 3.7	1.134	2.058	13.7	17.3
11 7	3 46.26	+28 55.7	1.110	2.075	8.6	17.1
11 17	3 34.42	+28 27.1	1.111	2.092	4.5	16.9
11 27	3 22.88	+27 42.0	1.137	2.110	6.0	17.1
12 7	3 13.42	+26 48.7	1.187	2.128	10.6	17.4
12 17	3 7.20	+25 56.6	1.261	2.146	15.1	17.7
12 27	3 4.75	+25 13.2	1.354	2.164	18.8	18.0

225723 2001 RS_{92} 11 17.9 62°.88 1°.0/18.3 18

10 18	4 2.96	+23 6.8	1.324	2.193	16.4	20.0
10 28	3 55.48	+22 48.0	1.288	2.221	11.7	19.8
11 7	3 45.50	+22 17.3	1.276	2.249	6.4	19.6
11 17	3 34.36	+21 37.0	1.289	2.277	1.2	19.3
11 27	3 23.68	+20 52.5	1.330	2.305	4.8	19.6
12 7	3 14.89	+20 10.3	1.396	2.333	9.7	20.0
12 17	3 8.87	+19 36.0	1.487	2.361	13.9	20.3
12 27	3 6.06	+19 13.6	1.599	2.389	17.2	20.6

77592 2001 KS_{19} 11 17.9 47°.34 3°.0/16.9 18

10 18	4 1.64	+12 46.4	1.225	2.109	16.5	18.4
10 28	3 54.82	+12 41.4	1.182	2.122	11.7	18.2
11 7	3 45.31	+12 37.5	1.160	2.135	6.5	18.0
11 17	3 34.36	+12 37.5	1.164	2.149	3.0	17.8
11 27	3 23.62	+12 44.7	1.193	2.163	6.4	18.1
12 7	3 14.60	+13 1.4	1.248	2.178	11.3	18.4
12 17	3 8.36	+13 28.8	1.325	2.193	15.7	18.7
12 27	3 5.47	+14 7.2	1.422	2.208	19.2	19.0

85863 1999 BG 11 17.9 263°.79 4°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.51	+30 51.3	1.614	2.457	15.3	18.9
10 28	3 54.84	+31 3.8	1.540	2.451	11.7	18.7
11 7	3 45.44	+30 59.0	1.488	2.445	7.8	18.5
11 17	3 34.39	+30 34.9	1.462	2.438	4.7	18.3
11 27	3 23.18	+29 53.5	1.463	2.432	5.6	18.3
12 7	3 13.35	+29 0.6	1.491	2.426	9.4	18.5
12 17	3 6.08	+28 4.1	1.544	2.419	13.4	18.7
12 27	3 2.08	+27 11.9	1.619	2.413	16.9	19.0

475945 2007 EN_{189} 11 17.9 276°.18 3°.0/16.3 18

10 18	3 58.17	+14 39.8	1.530	2.408	14.1	21.5
10 28	3 52.23	+13 45.3	1.461	2.399	10.0	21.3
11 7	3 43.94	+12 46.5	1.416	2.391	5.6	21.0
11 17	3 34.27	+11 48.3	1.398	2.382	3.0	20.8
11 27	3 24.53	+10 57.1	1.407	2.374	6.3	21.0
12 7	3 16.01	+10 18.6	1.443	2.365	10.8	21.2
12 17	3 9.73	+ 9 56.5	1.502	2.356	14.9	21.5
12 27	3 6.33	+ 9 52.5	1.581	2.348	18.4	21.7

412325 2013 KE_6 11 17.9 105°.08 1°.0/17.3 18

10 18	3 57.47	+16 29.8	2.291	3.152	10.7	21.3
10 28	3 51.01	+16 20.0	2.235	3.165	7.5	21.1
11 7	3 43.01	+16 7.5	2.205	3.179	4.0	20.9
11 17	3 34.20	+15 54.0	2.204	3.192	1.0	20.7
11 27	3 25.47	+15 41.8	2.233	3.204	3.7	20.9
12 7	3 17.67	+15 33.4	2.292	3.217	7.2	21.2
12 17	3 11.47	+15 30.7	2.378	3.229	10.2	21.4
12 27	3 7.32	+15 35.5	2.487	3.241	12.8	21.6

357691 2005 NR_{56} 11 17.9 86°.65 2°.5/16.5 18

10 18	3 57.25	+13 31.1	1.921	2.791	12.1	21.6
10 28	3 51.06	+13 0.0	1.866	2.800	8.5	21.4
11 7	3 43.10	+12 28.0	1.837	2.810	4.8	21.2
11 17	3 34.21	+11 58.3	1.836	2.819	2.5	21.0
11 27	3 25.41	+11 34.6	1.863	2.829	5.1	21.2
12 7	3 17.69	+11 19.8	1.919	2.838	8.7	21.5
12 17	3 11.78	+11 16.0	2.000	2.848	12.0	21.7
12 27	3 8.19	+11 24.1	2.103	2.857	14.8	21.9

241455 2008 YD_{115} 11 17.9 157°.70 5°.0/15.3 18

10 18	3 58.85	+ 4 47.0	2.126	2.984	11.5	21.2
10 28	3 52.03	+ 4 15.9	2.069	2.990	8.6	21.0
11 7	3 43.58	+ 3 50.9	2.038	2.995	5.9	20.9
11 17	3 34.25	+ 3 35.8	2.036	3.000	5.0	20.9
11 27	3 24.98	+ 3 33.4	2.062	3.005	6.7	21.0
12 7	3 16.67	+ 3 45.1	2.117	3.009	9.5	21.1
12 17	3 10.04	+ 4 11.0	2.197	3.012	12.3	21.3
12 27	3 5.56	+ 4 49.7	2.299	3.015	14.7	21.5

410626 2008 QV_{47} 11 17.9 62°.45 3°.6/19.9 18

10 18	3 59.27	+30 10.7	2.128	2.961	12.5	21.0
10 28	3 52.52	+30 29.9	2.075	2.981	9.4	20.9
11 7	3 43.90	+30 36.0	2.046	3.000	6.2	20.7
11 17	3 34.28	+30 28.4	2.044	3.020	3.8	20.6
11 27	3 24.77	+30 8.7	2.072	3.039	4.5	20.7
12 7	3 16.40	+29 40.6	2.129	3.059	7.3	20.9
12 17	3 9.98	+29 9.0	2.212	3.079	10.2	21.1
12 27	3 5.99	+28 38.8	2.318	3.098	12.8	21.3

188646 2005 RF_{43} 11 17.9 139°.74 1°.5/17.0 17

10 18	4 0.72	+17 28.8	1.816	2.680	12.9	21.3
10 28	3 53.57	+16 45.2	1.759	2.691	9.1	21.1
11 7	3 44.46	+15 56.2	1.728	2.702	4.8	20.9
11 17	3 34.33	+15 5.4	1.725	2.712	1.5	20.6
11 27	3 24.35	+14 17.4	1.752	2.722	4.7	20.9
12 7	3 15.61	+13 37.1	1.807	2.731	8.8	21.2
12 17	3 8.94	+13 8.0	1.888	2.739	12.5	21.4
12 27	3 4.84	+12 52.4	1.991	2.747	15.5	21.6

77514 2001 HT_{49} 11 17.9 73°.47 3°.2/19.5 18

10 18	4 1.19	+28 2.7	1.733	2.580	14.3	18.6
10 28	3 54.15	+28 13.6	1.681	2.597	10.5	18.4
11 7	3 44.85	+28 10.5	1.651	2.614	6.6	18.2
11 17	3 34.36	+27 53.2	1.649	2.630	3.4	18.0
11 27	3 24.02	+27 24.2	1.675	2.647	4.7	18.1
12 7	3 15.08	+26 48.4	1.729	2.663	8.3	18.4
12 17	3 8.47	+26 11.7	1.808	2.680	11.9	18.6
12 27	3 4.72	+25 39.7	1.910	2.696	15.0	18.9

388461 2007 DZ_{53} 11 17.9 286°.03 6°.3/15.3 18

10 18	3 59.33	+ 5 45.8	1.468	2.344	14.7	21.1
10 28	3 53.08	+ 5 2.2	1.405	2.336	11.0	20.9
11 7	3 44.43	+ 4 25.4	1.366	2.328	7.6	20.7
11 17	3 34.35	+ 4 1.2	1.352	2.321	6.3	20.6
11 27	3 24.17	+ 3 54.8	1.364	2.313	8.7	20.7
12 7	3 15.25	+ 4 8.5	1.402	2.306	12.5	20.9
12 17	3 8.63	+ 4 42.2	1.462	2.298	16.2	21.1
12 27	3 4.95	+ 5 33.9	1.540	2.291	19.5	21.3

242398 2004 FP_{85} 11 17.9 287°.83 0°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.62	+18 38.4	1.838	2.704	12.7	20.5
10 28	3 52.43	+18 37.9	1.758	2.690	9.1	20.3
11 7	3 44.06	+18 32.6	1.703	2.677	4.9	20.0
11 17	3 34.33	+18 23.6	1.675	2.663	0.5	19.6
11 27	3 24.40	+18 13.0	1.675	2.650	4.3	19.9
12 7	3 15.44	+18 4.3	1.704	2.636	8.7	20.2
12 17	3 8.44	+18 0.6	1.759	2.622	12.6	20.4
12 27	3 4.08	+18 4.9	1.835	2.609	15.9	20.6

227750 2006 HV_{58} 11 17.9 236°.89 0°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.29	+22 56.9	2.681	3.528	9.8	21.1
10 28	3 50.23	+22 53.5	2.596	3.517	7.0	20.9
11 7	3 42.67	+22 43.5	2.537	3.506	4.0	20.7
11 17	3 34.21	+22 27.5	2.508	3.495	1.0	20.5
11 27	3 25.65	+22 7.1	2.510	3.484	3.0	20.6
12 7	3 17.79	+21 45.1	2.541	3.472	6.2	20.8
12 17	3 11.30	+21 24.5	2.601	3.460	9.2	21.0
12 27	3 6.70	+21 8.2	2.685	3.448	11.7	21.1

144714 2004 GH_{24} 11 17.9 225°.41 2°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.37	+13 22.9	2.124	2.987	11.3	20.0
10 28	3 51.88	+13 13.1	2.051	2.982	8.0	19.8
11 7	3 43.61	+13 2.8	2.004	2.976	4.5	19.6
11 17	3 34.29	+12 54.1	1.985	2.970	2.0	19.4
11 27	3 24.89	+12 49.5	1.997	2.964	4.6	19.6
12 7	3 16.38	+12 51.2	2.037	2.958	8.2	19.8
12 17	3 9.54	+13 1.0	2.104	2.951	11.5	20.0
12 27	3 4.95	+13 19.8	2.193	2.944	14.4	20.2

199810 2007 DO_{8} 11 17.9 140°.86 8°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.88	−12 55.4	2.595	3.396	11.5	19.9
10 28	3 51.09	−13 26.2	2.552	3.402	10.0	19.8
11 7	3 42.99	−13 40.0	2.533	3.409	9.0	19.8
11 17	3 34.24	−13 33.4	2.540	3.416	9.0	19.8
11 27	3 25.59	−13 4.5	2.574	3.422	9.8	19.9
12 7	3 17.80	−12 14.1	2.633	3.427	11.1	20.0
12 17	3 11.43	−11 5.0	2.716	3.433	12.7	20.1
12 27	3 6.89	− 9 40.7	2.818	3.438	14.1	20.2

517998 2015 UL_{73} 11 17.9 41°.03 1°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.83	+23 16.5	1.754	2.615	13.5	21.2
10 28	3 52.51	+23 21.4	1.692	2.620	9.7	21.0
11 7	3 44.03	+23 17.1	1.655	2.626	5.5	20.7
11 17	3 34.33	+23 4.0	1.645	2.632	1.6	20.5
11 27	3 24.63	+22 44.5	1.663	2.638	4.1	20.7
12 7	3 16.15	+22 22.7	1.708	2.644	8.3	21.0
12 17	3 9.80	+22 3.1	1.780	2.651	12.1	21.2
12 27	3 6.17	+21 49.5	1.873	2.657	15.3	21.4

79095 1981 EL_{15} 11 17.9 192°.42 0°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.72	+23 1.3	2.302	3.153	11.1	20.3
10 28	3 51.34	+22 38.1	2.228	3.151	7.9	20.1
11 7	3 43.27	+22 6.5	2.179	3.150	4.4	19.9
11 17	3 34.27	+21 27.9	2.159	3.147	0.8	19.6
11 27	3 25.25	+20 45.3	2.170	3.145	3.4	19.8
12 7	3 17.14	+20 2.7	2.211	3.142	7.0	20.0
12 17	3 10.68	+19 24.3	2.279	3.138	10.3	20.2
12 27	3 6.38	+18 53.5	2.370	3.134	13.0	20.4

364092 2005 YK_{132} 11 17.9 81°.01 3°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.82	+ 9 56.3	2.138	3.005	11.1	20.7
10 28	3 49.93	+ 9 25.1	2.082	3.012	8.0	20.5
11 7	3 42.49	+ 8 55.9	2.051	3.020	4.8	20.4
11 17	3 34.21	+ 8 32.0	2.049	3.027	3.4	20.3
11 27	3 25.99	+ 8 16.6	2.077	3.034	5.4	20.4
12 7	3 18.69	+ 8 11.8	2.132	3.041	8.5	20.6
12 17	3 12.98	+ 8 18.7	2.213	3.048	11.5	20.9
12 27	3 9.35	+ 8 37.4	2.316	3.056	14.0	21.0

240661 2005 EA_{29} 11 17.9 212°.72 5°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.64	+ 4 16.6	2.340	3.198	10.6	21.5
10 28	3 50.47	+ 3 14.4	2.271	3.190	8.1	21.4
11 7	3 42.79	+ 2 16.8	2.230	3.182	5.9	21.2
11 17	3 34.24	+ 1 28.5	2.217	3.174	5.4	21.2
11 27	3 25.66	+ 0 53.8	2.233	3.164	7.0	21.3
12 7	3 17.87	+ 0 35.3	2.277	3.154	9.6	21.4
12 17	3 11.54	+ 0 33.8	2.347	3.144	12.2	21.6
12 27	3 7.17	+ 0 48.7	2.437	3.133	14.4	21.7

40130 1998 QV_{47} 11 17.9 90°.09 2°.8/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 55.61	+12 13.6	2.213	3.080	10.8	19.3
10 28	3 49.69	+11 28.7	2.163	3.095	7.6	19.2
11 7	3 42.31	+10 43.8	2.139	3.110	4.4	19.0
11 17	3 34.20	+10 2.5	2.144	3.124	2.8	18.9
11 27	3 26.21	+ 9 28.4	2.179	3.139	5.0	19.1
12 7	3 19.16	+ 9 4.4	2.242	3.153	8.1	19.3
12 17	3 13.67	+ 8 52.3	2.331	3.168	10.9	19.5
12 27	3 10.18	+ 8 52.5	2.442	3.182	13.4	19.7

12721 1991 PB 11 17.9 55°.08 2°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.26	+16 11.4	1.157	2.042	17.2	16.5
10 28	3 55.11	+15 35.3	1.128	2.069	12.0	16.3
11 7	3 45.36	+14 55.6	1.121	2.097	6.4	16.0
11 17	3 34.43	+14 16.9	1.138	2.125	2.2	15.9
11 27	3 24.03	+13 44.9	1.182	2.153	6.2	16.2
12 7	3 15.61	+13 24.6	1.250	2.182	11.1	16.6
12 17	3 10.07	+13 18.6	1.341	2.210	15.4	16.9
12 27	3 7.82	+13 27.6	1.452	2.239	18.8	17.2

323284 2003 SU_{432} 11 17.9 66°.92 4°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.28	+33 3.0	2.178	3.001	12.6	20.6
10 28	3 51.91	+33 11.0	2.113	3.010	9.7	20.5
11 7	3 43.64	+33 3.8	2.072	3.019	6.7	20.3
11 17	3 34.31	+32 40.8	2.058	3.027	4.5	20.2
11 27	3 25.02	+32 3.7	2.072	3.036	4.9	20.2
12 7	3 16.84	+31 16.9	2.116	3.045	7.4	20.4
12 17	3 10.57	+30 26.1	2.186	3.053	10.3	20.6
12 27	3 6.75	+29 36.9	2.279	3.062	12.9	20.8

235312 2003 UL_{133} 11 17.9 117°.00 7°.2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.09	+40 11.0	1.971	2.761	15.0	20.3
10 28	3 57.09	+40 45.5	1.909	2.774	12.2	20.2
11 7	3 46.54	+40 58.3	1.870	2.786	9.5	20.0
11 17	3 34.55	+40 46.0	1.856	2.798	7.5	19.9
11 27	3 22.62	+40 9.4	1.870	2.810	7.5	19.9
12 7	3 12.20	+39 13.6	1.911	2.822	9.3	20.1
12 17	3 4.32	+38 6.6	1.977	2.833	11.8	20.3
12 27	2 59.61	+36 57.1	2.067	2.843	14.3	20.5

437985 2003 SF_{288} 11 17.9 95°.14 0°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.49	+24 48.9	1.790	2.645	13.5	20.7
10 28	3 52.74	+23 58.8	1.735	2.661	9.6	20.5
11 7	3 44.02	+22 56.1	1.706	2.677	5.3	20.2
11 17	3 34.34	+21 44.2	1.704	2.692	1.1	20.0
11 27	3 24.89	+20 28.6	1.732	2.707	4.0	20.2
12 7	3 16.78	+19 16.0	1.788	2.722	8.2	20.5
12 17	3 10.80	+18 12.3	1.871	2.736	11.9	20.8
12 27	3 7.42	+17 21.8	1.977	2.751	14.9	21.0

287768 2003 SE_{69} 11 17.9 25°.45 2°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.40	+25 24.0	1.011	1.896	19.0	20.0
10 28	3 53.90	+25 23.5	0.966	1.904	13.9	19.7
11 7	3 45.09	+25 5.6	0.941	1.914	8.1	19.4
11 17	3 34.43	+24 31.3	0.938	1.924	2.9	19.2
11 27	3 23.96	+23 45.8	0.959	1.936	5.8	19.4
12 7	3 15.57	+22 57.8	1.003	1.948	11.4	19.8
12 17	3 10.48	+22 15.9	1.068	1.962	16.4	20.1
12 27	3 9.28	+21 46.4	1.152	1.976	20.5	20.4

424593 2008 GF_{101} 11 17.9 145°.14 1°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.23	+22 11.8	1.630	2.490	14.4	21.2
10 28	3 55.77	+22 22.4	1.568	2.495	10.3	20.9
11 7	3 45.85	+22 24.1	1.529	2.500	5.8	20.7
11 17	3 34.51	+22 17.1	1.518	2.505	1.4	20.4
11 27	3 23.16	+22 3.5	1.535	2.510	4.4	20.6
12 7	3 13.18	+21 47.5	1.580	2.514	9.0	20.9
12 17	3 5.61	+21 33.6	1.651	2.518	13.1	21.2
12 27	3 1.09	+21 26.1	1.742	2.522	16.5	21.4

324137 2005 YH_{86} 11 17.9 117°.50 3°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.43	+10 7.9	2.268	3.132	10.7	20.7
10 28	3 50.31	+ 9 45.0	2.210	3.139	7.6	20.6
11 7	3 42.68	+ 9 24.1	2.178	3.146	4.6	20.4
11 17	3 34.24	+ 9 7.7	2.174	3.153	3.1	20.3
11 27	3 25.85	+ 8 58.6	2.201	3.160	5.1	20.4
12 7	3 18.34	+ 8 58.8	2.256	3.166	8.1	20.6
12 17	3 12.35	+ 9 9.3	2.337	3.172	11.0	20.8
12 27	3 8.37	+ 9 30.2	2.441	3.179	13.4	21.0

424237 2007 RV_{198} 11 17.9 90°.01 1°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.03	+26 33.0	1.892	2.737	13.3	20.6
10 28	3 54.30	+25 48.4	1.848	2.767	9.6	20.5
11 7	3 44.75	+24 50.9	1.830	2.797	5.5	20.3
11 17	3 34.40	+23 43.3	1.840	2.826	1.7	20.1
11 27	3 24.44	+22 30.6	1.880	2.855	3.8	20.3
12 7	3 15.91	+21 19.3	1.950	2.883	7.7	20.6
12 17	3 9.54	+20 15.2	2.047	2.910	11.1	20.9
12 27	3 5.72	+19 22.6	2.167	2.936	13.9	21.1

345393 2006 BC_{169} 11 17.9 82°.79 2°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.76	+15 7.5	1.631	2.503	13.7	20.4
10 28	3 52.99	+14 31.9	1.585	2.520	9.6	20.2
11 7	3 44.19	+13 53.8	1.563	2.538	5.2	20.0
11 17	3 34.37	+13 16.9	1.569	2.555	2.2	19.9
11 27	3 24.76	+12 45.6	1.604	2.572	5.3	20.1
12 7	3 16.51	+12 23.9	1.665	2.589	9.5	20.4
12 17	3 10.45	+12 14.3	1.751	2.606	13.1	20.7
12 27	3 7.05	+12 17.8	1.859	2.622	16.1	20.9

323246 2003 SD_{228} 11 17.9 58°.36 8°.9/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.53	+43 22.1	2.184	2.945	14.6	19.9
10 28	4 0.61	+45 2.3	2.122	2.956	12.4	19.7
11 7	3 48.69	+46 22.4	2.083	2.966	10.4	19.6
11 17	3 34.78	+47 15.9	2.070	2.977	9.1	19.6
11 27	3 20.45	+47 40.1	2.084	2.988	9.1	19.6
12 7	3 7.38	+47 37.4	2.125	3.000	10.3	19.7
12 17	2 56.92	+47 14.2	2.191	3.011	12.2	19.8
12 27	2 49.93	+46 39.4	2.279	3.022	14.1	20.0

318282 2004 TM_{34} 11 17.9 77°.57 2°.1/16.4 18

10 18	3 55.22	+15 22.2	2.089	2.958	11.3	20.3
10 28	3 49.56	+14 28.5	2.030	2.965	7.9	20.1
11 7	3 42.32	+13 31.6	1.998	2.972	4.3	19.9
11 17	3 34.23	+12 35.5	1.994	2.979	2.1	19.7
11 27	3 26.23	+11 44.6	2.020	2.986	4.7	19.9
12 7	3 19.20	+11 3.0	2.074	2.993	8.2	20.1
12 17	3 13.81	+10 33.5	2.154	3.000	11.4	20.4
12 27	3 10.53	+10 17.7	2.256	3.007	14.0	20.6

104695 2000 GU_{161} 11 17.9 310°.72 7°.7/12.2 17

10 18	3 53.20	− 1 1.5	2.048	2.908	11.8	19.2
10 28	3 48.29	− 2 22.3	1.981	2.891	9.6	19.0
11 7	3 41.73	− 3 34.1	1.939	2.874	8.0	18.9
11 17	3 34.20	− 4 30.6	1.924	2.858	7.9	18.9
11 27	3 26.57	− 5 6.3	1.935	2.841	9.5	18.9
12 7	3 19.75	− 5 18.6	1.971	2.825	11.9	19.1
12 17	3 14.47	− 5 7.4	2.029	2.810	14.4	19.2
12 27	3 11.26	− 4 34.7	2.106	2.794	16.7	19.3

133502 2003 SW_{283} 11 17.9 177°.17 3°.7/20.5 18

10 18	4 1.16	+32 34.4	2.127	2.949	12.9	20.1
10 28	3 53.97	+32 18.1	2.052	2.951	9.9	20.0
11 7	3 44.77	+31 45.2	2.002	2.953	6.6	19.8
11 17	3 34.45	+30 55.6	1.979	2.954	4.0	19.6
11 27	3 24.18	+29 52.0	1.986	2.954	4.6	19.6
12 7	3 15.10	+28 40.3	2.023	2.954	7.6	19.8
12 17	3 8.05	+27 27.0	2.087	2.953	10.8	20.0
12 27	3 3.59	+26 18.8	2.175	2.952	13.7	20.2

135550 2002 EK_{36} 11 17.9 104°.86 0°.3/18.1 16

10 18	4 4.90	+21 7.7	1.540	2.401	15.0	21.0
10 28	3 56.75	+20 55.6	1.495	2.424	10.6	20.8
11 7	3 46.25	+20 34.7	1.473	2.446	5.7	20.5
11 17	3 34.57	+20 6.6	1.478	2.467	0.6	20.2
11 27	3 23.19	+19 35.2	1.513	2.487	4.5	20.6
12 7	3 13.45	+19 5.6	1.575	2.507	9.2	20.9
12 17	3 6.26	+18 42.5	1.662	2.526	13.2	21.2
12 27	3 2.13	+18 29.5	1.771	2.545	16.4	21.5

154190 2002 GP_{124} 11 17.9 290°.52 1°.2/18.6 18

10 18	3 56.83	+24 8.5	2.083	2.937	11.9	20.3
10 28	3 50.91	+23 54.2	2.010	2.935	8.6	20.0
11 7	3 43.15	+23 30.3	1.962	2.932	4.9	19.8
11 17	3 34.33	+22 57.9	1.943	2.930	1.4	19.6
11 27	3 25.48	+22 20.0	1.952	2.927	3.6	19.7
12 7	3 17.61	+21 40.8	1.990	2.925	7.4	20.0
12 17	3 11.51	+21 4.6	2.055	2.922	10.9	20.2
12 27	3 7.75	+20 35.5	2.143	2.920	13.8	20.4

458599 2011 FU_{42} 11 17.9 316°.70 5°.7/20.1 17

10 18	4 0.97	+33 1.4	1.984	2.808	13.6	20.3
10 28	3 54.44	+34 1.5	1.895	2.790	10.8	20.1
11 7	3 45.36	+34 48.6	1.830	2.772	7.8	19.9
11 17	3 34.54	+35 18.7	1.792	2.755	5.8	19.7
11 27	3 23.25	+35 30.1	1.781	2.737	6.4	19.7
12 7	3 12.88	+35 24.9	1.799	2.720	9.0	19.9
12 17	3 4.64	+35 7.9	1.841	2.704	12.2	20.0
12 27	2 59.37	+34 45.9	1.906	2.688	15.1	20.2

125255 2001 UA_{216} 11 17.9 217°.70 1°.7/18.8 18

10 18	4 0.47	+25 10.2	1.728	2.583	13.9	19.9
10 28	3 53.81	+24 53.6	1.655	2.579	10.1	19.7
11 7	3 44.83	+24 24.3	1.606	2.575	5.9	19.4
11 17	3 34.48	+23 43.3	1.584	2.571	1.9	19.2
11 27	3 24.07	+22 54.2	1.591	2.566	4.3	19.3
12 7	3 14.90	+22 2.8	1.626	2.561	8.7	19.6
12 17	3 7.98	+21 15.2	1.686	2.556	12.7	19.8
12 27	3 3.92	+20 36.8	1.768	2.550	16.1	20.0

104641 2000 GD_{120} 11 17.9 349°.75 1°.2/17.4 18

10 18	3 55.28	+18 43.0	1.067	1.963	17.3	18.9
10 28	3 50.98	+18 12.4	1.007	1.954	12.3	18.6
11 7	3 43.62	+17 32.5	0.969	1.947	6.6	18.3
11 17	3 34.39	+16 47.6	0.952	1.941	1.2	17.9
11 27	3 25.03	+16 4.3	0.960	1.936	6.2	18.2
12 7	3 17.31	+15 30.0	0.991	1.933	12.0	18.5
12 17	3 12.51	+15 10.3	1.043	1.931	17.2	18.8
12 27	3 11.35	+15 8.2	1.112	1.930	21.5	19.1

112543 2002 PP_{41} 11 17.9 88°.08 1°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.31	+22 49.9	1.501	2.360	15.4	19.7
10 28	3 57.06	+22 46.9	1.460	2.387	11.0	19.5
11 7	3 46.40	+22 33.2	1.443	2.414	6.1	19.3
11 17	3 34.60	+22 10.0	1.452	2.440	1.4	19.0
11 27	3 23.16	+21 40.9	1.491	2.466	4.5	19.3
12 7	3 13.45	+21 11.3	1.557	2.491	9.1	19.7
12 17	3 6.38	+20 46.3	1.648	2.516	13.1	20.0
12 27	3 2.44	+20 30.0	1.760	2.539	16.3	20.2

226543 2003 UX_{235} 11 17.9 144°.00 0°.3/18.1 18

10 18	3 55.51	+22 25.8	2.414	3.267	10.5	20.7
10 28	3 49.70	+21 50.3	2.345	3.271	7.5	20.5
11 7	3 42.39	+21 7.0	2.303	3.274	4.1	20.3
11 17	3 34.28	+20 17.9	2.290	3.278	0.5	20.0
11 27	3 26.23	+19 26.6	2.307	3.281	3.2	20.2
12 7	3 19.03	+18 37.1	2.354	3.284	6.7	20.4
12 17	3 13.36	+17 53.1	2.429	3.287	9.8	20.6
12 27	3 9.66	+17 17.9	2.527	3.290	12.3	20.8

380998 2006 TO_{42} 11 17.9 55°.82 0°.0/17.9 18

10 18	4 2.79	+21 18.2	1.139	2.019	17.7	20.9
10 28	3 55.63	+20 47.3	1.107	2.045	12.5	20.7
11 7	3 45.72	+20 5.5	1.097	2.072	6.6	20.5
11 17	3 34.55	+19 16.8	1.111	2.099	0.5	20.1
11 27	3 23.91	+18 27.5	1.151	2.127	5.3	20.6
12 7	3 15.33	+17 45.0	1.217	2.155	10.7	21.0
12 17	3 9.78	+17 14.5	1.305	2.182	15.2	21.3
12 27	3 7.64	+16 58.9	1.412	2.210	18.7	21.6

180450 2004 BK_{142} 11 17.9 359°.16 7°.8/19.8 18

10 18	4 0.88	+30 25.9	0.980	1.855	20.4	19.1
10 28	3 55.76	+31 57.9	0.925	1.850	15.9	18.8
11 7	3 46.58	+33 11.6	0.889	1.847	11.2	18.6
11 17	3 34.69	+33 58.7	0.873	1.846	8.0	18.4
11 27	3 22.39	+34 15.8	0.880	1.846	9.0	18.5
12 7	3 12.13	+34 7.8	0.909	1.848	13.2	18.7
12 17	3 5.71	+33 44.4	0.958	1.852	17.8	19.0
12 27	3 4.04	+33 16.9	1.024	1.857	21.8	19.3

162289 1999 VJ_{124} 11 17.9 99°.09 0°.0/17.9 18

10 18	3 59.57	+20 58.7	1.779	2.642	13.2	20.4
10 28	3 52.87	+20 29.1	1.725	2.655	9.3	20.2
11 7	3 44.18	+19 51.3	1.695	2.669	5.0	20.0
11 17	3 34.46	+19 7.9	1.693	2.682	0.4	19.7
11 27	3 24.89	+18 23.1	1.720	2.695	4.1	20.0
12 7	3 16.59	+17 41.9	1.776	2.708	8.4	20.3
12 17	3 10.39	+17 8.6	1.857	2.720	12.1	20.5
12 27	3 6.77	+16 46.4	1.960	2.732	15.1	20.8

392937 2012 WN_{1} 11 17.9 300°.11 0°.2/18.0 18

10 18	3 58.42	+21 44.5	1.610	2.478	14.1	20.8
10 28	3 52.44	+21 14.8	1.540	2.473	10.1	20.6
11 7	3 44.13	+20 34.7	1.494	2.468	5.5	20.3
11 17	3 34.46	+19 46.7	1.475	2.464	0.5	19.9
11 27	3 24.75	+18 55.5	1.484	2.459	4.5	20.2
12 7	3 16.28	+18 7.1	1.520	2.455	9.2	20.5
12 17	3 10.04	+17 27.0	1.581	2.450	13.4	20.7
12 27	3 6.68	+16 59.3	1.662	2.446	16.9	20.9

254814 2005 QN_{124} 11 17.9 355°.85 0°.7/18.3 18

10 18	3 57.57	+22 3.2	1.818	2.681	12.9	20.7
10 28	3 51.63	+21 55.4	1.750	2.680	9.3	20.5
11 7	3 43.63	+21 39.1	1.707	2.679	5.1	20.2
11 17	3 34.42	+21 15.7	1.690	2.678	0.9	19.9
11 27	3 25.18	+20 48.1	1.703	2.678	4.0	20.2
12 7	3 17.03	+20 20.4	1.743	2.678	8.2	20.4
12 17	3 10.89	+19 57.0	1.809	2.678	12.0	20.7
12 27	3 7.33	+19 41.4	1.896	2.678	15.2	20.9

484593 2008 RG_{93} 11 17.9 74°.39 4°.2/14.9 18

10 18	3 53.96	+ 7 51.8	2.281	3.148	10.5	21.0
10 28	3 48.60	+ 6 55.5	2.223	3.152	7.7	20.9
11 7	3 41.82	+ 6 2.1	2.192	3.155	5.1	20.7
11 17	3 34.27	+ 5 15.7	2.189	3.159	4.3	20.7
11 27	3 26.77	+ 4 40.2	2.216	3.162	6.1	20.8
12 7	3 20.09	+ 4 18.4	2.270	3.166	8.8	21.0
12 17	3 14.86	+ 4 11.4	2.349	3.169	11.4	21.2
12 27	3 11.52	+ 4 19.0	2.450	3.173	13.7	21.3

420586 2012 HD_{29} 11 17.9 214°.97 1°.4/18.7 17

10 18	3 59.25	+23 35.6	2.843	3.681	9.6	21.2
10 28	3 52.33	+23 56.3	2.758	3.674	6.9	21.0
11 7	3 43.86	+24 11.0	2.700	3.666	4.0	20.8
11 17	3 34.46	+24 19.3	2.672	3.657	1.5	20.6
11 27	3 24.90	+24 22.0	2.675	3.648	3.0	20.8
12 7	3 16.02	+24 20.8	2.710	3.639	6.0	20.9
12 17	3 8.48	+24 18.0	2.774	3.629	8.8	21.1
12 27	3 2.84	+24 16.7	2.863	3.619	11.2	21.3

376391 2012 EE_1 11 17.9 163°.27 5°.2/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.64	+32 23.6	1.603	2.435	15.9	21.7
10 28	3 57.79	+32 44.5	1.536	2.439	12.3	21.5
11 7	3 47.10	+32 46.5	1.492	2.443	8.4	21.3
11 17	3 34.73	+32 26.9	1.474	2.446	5.4	21.1
11 27	3 22.32	+31 47.4	1.484	2.449	6.1	21.2
12 7	3 11.50	+30 54.2	1.520	2.451	9.6	21.4
12 17	3 3.46	+29 55.7	1.582	2.453	13.4	21.6
12 27	2 58.85	+29 0.5	1.666	2.454	16.7	21.9

25500 1999 XF_{91} 11 17.9 241°.70 1°.0/17.3 18 R

10 18	3 55.62	+17 3.5	2.433	3.294	10.2	19.1
10 28	3 49.84	+16 41.9	2.355	3.286	7.2	18.9
11 7	3 42.54	+16 16.7	2.304	3.278	3.8	18.6
11 17	3 34.34	+15 49.9	2.282	3.270	1.0	18.4
11 27	3 26.08	+15 24.2	2.291	3.261	3.7	18.6
12 7	3 18.58	+15 2.5	2.328	3.253	7.1	18.8
12 17	3 12.51	+14 47.5	2.393	3.244	10.2	19.0
12 27	3 8.38	+14 41.0	2.481	3.235	12.8	19.2

104747 2000 HE_{12} 11 17.9 233°.63 0°.4/18.1 18

10 18	4 0.74	+21 54.5	1.819	2.678	13.2	20.8
10 28	3 53.98	+21 34.7	1.739	2.667	9.5	20.6
11 7	3 44.95	+21 5.4	1.684	2.656	5.2	20.3
11 17	3 34.55	+20 28.2	1.656	2.644	0.7	19.9
11 27	3 24.00	+19 46.4	1.657	2.632	4.2	20.2
12 7	3 14.55	+19 5.1	1.687	2.619	8.7	20.4
12 17	3 7.18	+18 29.6	1.743	2.606	12.7	20.6
12 27	3 2.56	+18 3.9	1.821	2.593	16.1	20.8

473540 2015 XN_{173} 11 17.9 199°.79 4°.7/15.2 18

10 18	3 56.41	+ 4 38.8	2.334	3.193	10.6	20.8
10 28	3 50.33	+ 4 9.6	2.270	3.191	7.9	20.7
11 7	3 42.77	+ 3 46.0	2.232	3.189	5.6	20.5
11 17	3 34.37	+ 3 31.5	2.223	3.187	4.8	20.5
11 27	3 25.96	+ 3 28.8	2.243	3.185	6.3	20.6
12 7	3 18.36	+ 3 39.3	2.291	3.182	8.9	20.7
12 17	3 12.21	+ 4 3.1	2.365	3.180	11.6	20.9
12 27	3 8.01	+ 4 39.5	2.461	3.177	13.8	21.1

438312 2006 HW_{102} 11 17.9 69°.86 1°.8/17.1 18

10 18	4 0.16	+15 44.9	1.626	2.497	13.8	21.3
10 28	3 53.27	+15 19.3	1.585	2.520	9.6	21.1
11 7	3 44.38	+14 50.9	1.568	2.543	5.2	20.9
11 17	3 34.50	+14 22.9	1.579	2.566	1.8	20.8
11 27	3 24.88	+13 59.1	1.618	2.588	5.0	21.0
12 7	3 16.67	+13 43.2	1.684	2.611	9.2	21.3
12 17	3 10.65	+13 37.6	1.776	2.633	12.8	21.6
12 27	3 7.29	+13 43.5	1.888	2.655	15.8	21.9

308215 2005 EZ_{136} 11 17.9 98°.17 0°.9/18.4 18

10 18	4 0.79	+22 46.7	2.055	2.906	12.2	21.2
10 28	3 53.51	+22 39.8	2.005	2.929	8.7	21.0
11 7	3 44.45	+22 24.7	1.981	2.952	4.8	20.8
11 17	3 34.51	+22 2.5	1.986	2.974	1.1	20.6
11 27	3 24.75	+21 35.9	2.021	2.995	3.6	20.9
12 7	3 16.18	+21 8.6	2.085	3.016	7.3	21.1
12 17	3 9.53	+20 44.7	2.176	3.037	10.6	21.4
12 27	3 5.26	+20 27.2	2.290	3.057	13.3	21.6

518041 2015 XQ_{65} 11 17.9 73°.89 1°.4/17.3 18

10 18	3 58.69	+14 52.3	2.027	2.891	11.8	21.1
10 28	3 52.12	+14 54.2	1.969	2.901	8.3	20.9
11 7	3 43.77	+14 54.9	1.938	2.911	4.5	20.6
11 17	3 34.47	+14 55.8	1.934	2.921	1.4	20.5
11 27	3 25.20	+14 59.0	1.961	2.932	4.2	20.7
12 7	3 16.96	+15 6.3	2.016	2.942	7.9	20.9
12 17	3 10.51	+15 19.6	2.098	2.952	11.3	21.2
12 27	3 6.35	+15 40.0	2.202	2.962	14.0	21.4

332705 2009 RA_{56} 11 17.9 322°.78 1°.1/17.3 17

10 18	3 55.57	+17 6.6	1.879	2.751	12.2	20.7
10 28	3 50.23	+16 49.0	1.802	2.737	8.7	20.5
11 7	3 42.92	+16 27.1	1.750	2.725	4.7	20.2
11 17	3 34.41	+16 3.3	1.724	2.712	1.1	19.9
11 27	3 25.76	+15 40.9	1.728	2.700	4.4	20.1
12 7	3 18.04	+15 23.4	1.759	2.688	8.6	20.4
12 17	3 12.13	+15 14.0	1.815	2.677	12.3	20.6
12 27	3 8.65	+15 14.9	1.892	2.667	15.5	20.8

103234 1999 YY_{19} 11 17.9 105°.55 3°.4/16.4 18

10 18	4 2.01	+11 44.6	1.600	2.470	14.0	19.9
10 28	3 54.64	+11 14.1	1.554	2.487	10.0	19.7
11 7	3 45.15	+10 44.6	1.533	2.504	5.8	19.5
11 17	3 34.59	+10 20.0	1.538	2.520	3.4	19.4
11 27	3 24.23	+10 4.0	1.572	2.536	6.1	19.6
12 7	3 15.29	+ 9 59.7	1.634	2.551	10.1	19.9
12 17	3 8.61	+10 8.5	1.720	2.566	13.7	20.1
12 27	3 4.69	+10 30.2	1.826	2.580	16.7	20.4

48639 1995 TL_8 11 17.9 46°.94 0°.0/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 35.88	+19 25.8	45.134	45.986	0.6	21.5
10 28	3 35.20	+19 23.5	45.065	45.992	0.5	21.5
11 7	3 34.46	+19 20.9	45.025	45.997	0.2	21.4
11 17	3 33.69	+19 18.3	45.014	46.003	0.0	21.4
11 27	3 32.92	+19 15.6	45.035	46.009	0.2	21.4
12 7	3 32.18	+19 13.0	45.085	46.014	0.4	21.5
12 17	3 31.50	+19 10.6	45.165	46.020	0.6	21.5
12 27	3 30.89	+19 8.4	45.271	46.025	0.8	21.5

364061 2005 XA_{26} 11 17.9 35°.71 0°.1/17.9 18

10 18	3 57.44	+20 20.0	1.783	2.649	13.0	20.9
10 28	3 51.48	+20 12.2	1.725	2.657	9.2	20.7
11 7	3 43.52	+19 57.8	1.691	2.665	5.0	20.5
11 17	3 34.46	+19 38.1	1.685	2.673	0.5	20.2
11 27	3 25.45	+19 16.4	1.707	2.682	4.0	20.5
12 7	3 17.60	+18 56.3	1.757	2.691	8.2	20.7
12 17	3 11.75	+18 41.4	1.832	2.701	11.9	21.0
12 27	3 8.45	+18 34.8	1.929	2.710	15.0	21.2

21206 1994 PT_{28} 11 17.9 355°.25 0°.8/17.5 18 R

10 18	3 56.78	+17 51.8	1.919	2.787	12.2	18.8
10 28	3 50.95	+17 36.1	1.853	2.786	8.6	18.6
11 7	3 43.24	+17 15.9	1.811	2.785	4.6	18.3
11 17	3 34.44	+16 53.3	1.797	2.785	0.8	18.0
11 27	3 25.61	+16 31.2	1.811	2.784	4.2	18.3
12 7	3 17.80	+16 13.3	1.854	2.784	8.2	18.5
12 17	3 11.81	+16 2.4	1.923	2.784	11.8	18.8
12 27	3 8.21	+16 1.0	2.013	2.784	14.8	19.0

486410 2013 EY_{94} 11 17.9 5°.88 7°.0/21.4 17

10 18	4 2.81	+37 7.5	1.834	2.645	15.1	21.5
10 28	3 55.80	+37 58.0	1.763	2.645	12.2	21.3
11 7	3 46.09	+38 29.5	1.716	2.645	9.3	21.1
11 17	3 34.70	+38 37.9	1.693	2.645	7.2	21.0
11 27	3 23.12	+38 22.5	1.698	2.646	7.4	21.0
12 7	3 12.86	+37 47.6	1.729	2.646	9.6	21.1
12 17	3 5.12	+37 0.3	1.785	2.647	12.5	21.3
12 27	3 0.62	+36 9.1	1.863	2.648	15.3	21.5

7390 Kundera 11 17.9 79°.69 7°.6/13.8 18

10 18	3 58.83	+ 2 20.7	1.622	2.489	14.0	17.4
10 28	3 52.22	+ 0 54.1	1.592	2.512	10.7	17.3
11 7	3 43.78	− 0 21.6	1.586	2.535	8.2	17.2
11 17	3 34.49	− 1 19.4	1.607	2.557	7.7	17.2
11 27	3 25.51	− 1 54.0	1.655	2.580	9.5	17.4
12 7	3 17.88	− 2 3.9	1.727	2.602	12.3	17.6
12 17	3 12.31	− 1 50.3	1.823	2.624	15.0	17.8
12 27	3 9.23	− 1 16.6	1.936	2.645	17.3	18.1

517412 2014 LA_{30} 11 17.9 93°.61 4°.8/20.7 18

10 18	4 2.41	+33 42.5	2.166	2.981	12.9	21.6
10 28	3 54.90	+34 14.1	2.108	2.999	10.1	21.5
11 7	3 45.33	+34 30.4	2.075	3.016	7.1	21.3
11 17	3 34.64	+34 29.5	2.069	3.033	5.0	21.2
11 27	3 24.00	+34 12.2	2.092	3.050	5.4	21.3
12 7	3 14.56	+33 42.6	2.144	3.067	7.7	21.4
12 17	3 7.20	+33 6.0	2.223	3.084	10.5	21.6
12 27	3 2.46	+32 28.4	2.325	3.100	12.9	21.8

348281 2004 WS_9 11 17.9 82°.66 4°.5/20.8 17

10 18	4 6.46	+35 51.4	1.033	1.883	21.5	19.7
10 28	3 58.80	+34 12.5	0.981	1.896	16.3	19.4
11 7	3 47.62	+31 54.2	0.949	1.909	10.5	19.2
11 17	3 34.81	+29 1.5	0.940	1.921	5.2	18.9
11 27	3 22.72	+25 50.0	0.959	1.934	6.2	19.0
12 7	3 13.30	+22 41.2	1.003	1.947	11.6	19.4
12 17	3 7.59	+19 53.7	1.072	1.959	16.9	19.7
12 27	3 5.95	+17 38.7	1.160	1.972	21.2	20.0

191026 2002 AW_{159} 11 17.9 359°.86 3°.2/16.6 18

10 18	3 55.75	+14 23.3	1.147	2.042	16.5	19.7
10 28	3 51.06	+13 46.4	1.093	2.039	11.7	19.5
11 7	3 43.59	+13 6.9	1.060	2.037	6.5	19.2
11 17	3 34.50	+12 29.9	1.051	2.036	3.2	19.0
11 27	3 25.39	+12 1.9	1.066	2.037	6.9	19.2
12 7	3 17.83	+11 47.8	1.105	2.038	12.0	19.5
12 17	3 12.97	+11 50.6	1.165	2.041	16.7	19.8
12 27	3 11.44	+12 10.7	1.243	2.046	20.5	20.0

241222 2007 TL_{93} 11 17.9 145°.95 0°.1/17.9 18

10 18	4 0.34	+19 19.3	2.132	2.988	11.6	20.6
10 28	3 53.27	+19 14.4	2.069	2.996	8.2	20.4
11 7	3 44.41	+19 4.3	2.032	3.005	4.4	20.2
11 17	3 34.56	+18 50.2	2.024	3.012	0.4	19.9
11 27	3 24.76	+18 34.4	2.046	3.020	3.7	20.2
12 7	3 15.97	+18 19.9	2.098	3.026	7.5	20.5
12 17	3 8.98	+18 9.7	2.176	3.033	10.8	20.7
12 27	3 4.30	+18 6.4	2.278	3.039	13.6	20.9

20727 1999 XV_{123} 11 17.9 221.°59 3.°3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.71	+31 0.4	2.278	3.108	11.9	18.6
10 28	3 51.53	+30 54.6	2.202	3.106	9.0	18.4
11 7	3 43.53	+30 35.1	2.150	3.104	6.0	18.2
11 17	3 34.49	+30 1.8	2.125	3.101	3.5	18.0
11 27	3 25.43	+29 16.8	2.130	3.099	4.2	18.1
12 7	3 17.33	+28 24.5	2.164	3.096	7.1	18.3
12 17	3 11.01	+27 30.1	2.226	3.094	10.1	18.4
12 27	3 7.00	+26 39.0	2.311	3.091	12.9	18.6

208781 2002 QS_{2} 11 17.9 46.°60 0.°6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.67	+22 18.2	1.553	2.422	14.5	20.0
10 28	3 52.54	+21 59.2	1.500	2.432	10.3	19.8
11 7	3 44.14	+21 30.2	1.470	2.444	5.6	19.5
11 17	3 34.54	+20 53.3	1.467	2.455	0.9	19.2
11 27	3 25.07	+20 12.8	1.491	2.467	4.4	19.5
12 7	3 17.00	+19 34.2	1.543	2.480	8.9	19.8
12 17	3 11.24	+19 2.4	1.619	2.492	13.0	20.1
12 27	3 8.33	+18 41.3	1.716	2.505	16.3	20.3

116977 2004 HO_{27} 11 17.9 244.°40 1.°1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.72	+16 44.4	1.543	2.414	14.4	19.9
10 28	3 54.88	+16 43.4	1.476	2.411	10.3	19.6
11 7	3 45.54	+16 38.9	1.432	2.407	5.5	19.3
11 17	3 34.68	+16 32.3	1.415	2.403	1.1	19.0
11 27	3 23.69	+16 26.5	1.426	2.399	5.0	19.3
12 7	3 13.99	+16 24.8	1.464	2.395	9.8	19.6
12 17	3 6.65	+16 30.3	1.526	2.391	14.1	19.8
12 27	3 2.37	+16 45.4	1.610	2.387	17.7	20.0

220056 2002 RR_{113} 11 17.9 104.°72 3.°3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.33	+28 10.5	1.540	2.388	15.7	21.1
10 28	3 56.66	+28 15.5	1.486	2.403	11.6	20.9
11 7	3 46.39	+28 4.7	1.455	2.418	7.2	20.7
11 17	3 34.74	+27 37.5	1.451	2.433	3.5	20.5
11 27	3 23.25	+26 57.3	1.474	2.447	5.0	20.6
12 7	3 13.41	+26 10.2	1.525	2.461	9.1	20.9
12 17	3 6.24	+25 23.6	1.601	2.474	13.1	21.2
12 27	3 2.31	+24 43.8	1.698	2.487	16.4	21.4

474586 2004 HL_{8} 11 17.9 195.°51 3.°8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.37	+11 37.4	1.871	2.738	12.4	21.9
10 28	3 52.74	+10 33.4	1.805	2.736	8.9	21.7
11 7	3 44.19	+ 9 28.3	1.764	2.734	5.4	21.5
11 17	3 34.56	+ 8 27.2	1.752	2.730	3.8	21.4
11 27	3 24.94	+ 7 35.6	1.770	2.726	6.3	21.5
12 7	3 16.38	+ 6 58.0	1.815	2.722	9.9	21.7
12 17	3 9.73	+ 6 37.1	1.885	2.717	13.3	21.9
12 27	3 5.52	+ 6 33.3	1.976	2.711	16.2	22.1

14987 1997 UT_{3} 11 17.9 353.°64 0.°1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.97	+20 3.9	1.875	2.744	12.3	18.2
10 28	3 49.76	+19 45.0	1.807	2.741	8.8	18.0
11 7	3 42.64	+19 19.4	1.763	2.738	4.7	17.7
11 17	3 34.43	+18 49.2	1.747	2.735	0.4	17.4
11 27	3 26.18	+18 17.7	1.758	2.733	4.0	17.7
12 7	3 18.93	+17 49.0	1.798	2.732	8.1	17.9
12 17	3 13.51	+17 26.9	1.863	2.731	11.8	18.2
12 27	3 10.49	+17 14.2	1.950	2.731	14.9	18.4

97340 1999 YS_{27} 11 17.9 185.°22 6.°1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.05	+38 35.2	2.362	3.149	12.9	19.4
10 28	3 56.22	+39 10.3	2.284	3.149	10.4	19.2
11 7	3 46.15	+39 28.3	2.230	3.149	8.0	19.1
11 17	3 34.74	+39 26.0	2.203	3.148	6.3	19.0
11 27	3 23.18	+39 3.4	2.204	3.146	6.4	19.0
12 7	3 12.71	+38 24.1	2.234	3.144	8.2	19.1
12 17	3 4.32	+37 33.8	2.291	3.142	10.6	19.3
12 27	2 58.66	+36 39.7	2.372	3.138	13.0	19.4

2832 Lada 11 17.9 275.°28 2.°6/16.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.39	+14 35.6	1.628	2.503	13.6	16.1
10 28	3 52.41	+13 54.9	1.557	2.493	9.7	15.9
11 7	3 44.16	+13 10.9	1.510	2.484	5.4	15.6
11 17	3 34.57	+12 27.6	1.489	2.474	2.6	15.4
11 27	3 24.86	+11 50.0	1.497	2.464	5.8	15.6
12 7	3 16.29	+11 22.9	1.532	2.455	10.2	15.8
12 17	3 9.84	+11 9.6	1.590	2.445	14.2	16.1
12 27	3 6.16	+11 11.7	1.669	2.436	17.6	16.3

397230 2006 KK_{57} 11 17.9 229.°10 3.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.08	+10 50.6	1.990	2.853	12.0	22.1
10 28	3 53.27	+10 35.8	1.915	2.845	8.6	21.9
11 7	3 44.52	+10 22.6	1.866	2.836	5.1	21.6
11 17	3 34.60	+10 13.5	1.845	2.826	3.1	21.5
11 27	3 24.55	+10 11.5	1.854	2.816	5.5	21.6
12 7	3 15.44	+10 18.6	1.891	2.806	9.1	21.8
12 17	3 8.12	+10 36.2	1.955	2.795	12.6	22.0
12 27	3 3.21	+11 4.7	2.040	2.784	15.5	22.2

126294 2002 AR_{108} 11 17.9 16.°43 1.°0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.29	+21 48.8	1.162	2.046	17.1	19.0
10 28	3 52.90	+21 50.2	1.112	2.051	12.3	18.7
11 7	3 44.58	+21 41.0	1.082	2.057	6.8	18.4
11 17	3 34.60	+21 22.2	1.076	2.064	1.3	18.1
11 27	3 24.68	+20 58.0	1.096	2.073	5.2	18.4
12 7	3 16.47	+20 34.3	1.139	2.082	10.6	18.7
12 17	3 11.15	+20 16.6	1.205	2.092	15.4	19.1
12 27	3 9.34	+20 9.4	1.290	2.104	19.3	19.3

271999 2005 CC_{43} 11 17.9 283.°97 5.°3/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.41	+ 3 44.7	2.320	3.182	10.6	21.3
10 28	3 49.07	+ 2 54.0	2.243	3.164	8.1	21.1
11 7	3 42.19	+ 2 8.5	2.193	3.146	6.0	21.0
11 17	3 34.40	+ 1 32.6	2.170	3.127	5.4	20.9
11 27	3 26.51	+ 1 10.3	2.176	3.109	7.1	21.0
12 7	3 19.31	+ 1 3.8	2.209	3.091	9.6	21.1
12 17	3 13.51	+ 1 13.9	2.267	3.073	12.3	21.3
12 27	3 9.63	+ 1 39.9	2.346	3.054	14.6	21.4

353064 2009 DO_{71} 11 17.9 223.°37 5.°8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.72	+ 3 59.1	2.101	2.963	11.5	21.4
10 28	3 50.73	+ 2 55.8	2.036	2.956	8.8	21.2
11 7	3 43.09	+ 1 58.1	1.996	2.949	6.4	21.0
11 17	3 34.49	+ 1 11.0	1.984	2.941	5.9	21.0
11 27	3 25.86	+ 0 39.3	2.001	2.933	7.7	21.1
12 7	3 18.10	+ 0 25.5	2.045	2.925	10.4	21.2
12 17	3 11.94	+ 0 30.5	2.113	2.916	13.2	21.4
12 27	3 7.91	+ 0 52.9	2.201	2.907	15.6	21.6

427146 2014 UQ_{155} 11 17.9 352.°49 5.°6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 53.71	+ 5 26.1	1.898	2.771	12.0	20.4
10 28	3 48.74	+ 4 31.4	1.839	2.767	9.0	20.2
11 7	3 42.05	+ 3 42.1	1.805	2.764	6.4	20.1
11 17	3 34.41	+ 3 3.4	1.798	2.762	5.6	20.0
11 27	3 26.76	+ 2 39.8	1.818	2.760	7.5	20.1
12 7	3 20.04	+ 2 33.8	1.864	2.758	10.5	20.3
12 17	3 15.00	+ 2 45.8	1.933	2.757	13.4	20.5
12 27	3 12.14	+ 3 14.8	2.023	2.756	16.0	20.7

2519 Annagerman 11 17.9 86.°95 0.°5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.80	+18 32.6	2.297	3.157	10.7	16.6
10 28	3 50.62	+18 15.9	2.243	3.173	7.5	16.4
11 7	3 42.94	+17 54.9	2.215	3.189	4.0	16.2
11 17	3 34.48	+17 31.3	2.216	3.205	0.6	16.0
11 27	3 26.12	+17 8.0	2.248	3.220	3.5	16.2
12 7	3 18.70	+16 47.8	2.308	3.236	6.9	16.5
12 17	3 12.87	+16 33.3	2.396	3.252	10.0	16.7
12 27	3 9.05	+16 26.4	2.507	3.267	12.5	16.9

488424 2016 XY_{9} 11 17.9 59.°81 0.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.00	+21 36.6	1.397	2.267	15.7	20.0
10 28	3 54.73	+20 57.5	1.365	2.299	11.0	19.8
11 7	3 45.19	+20 8.6	1.356	2.331	5.8	19.6
11 17	3 34.66	+19 13.9	1.374	2.362	0.5	19.3
11 27	3 24.62	+18 19.1	1.419	2.394	4.7	19.7
12 7	3 16.34	+17 30.7	1.491	2.426	9.4	20.0
12 17	3 10.63	+16 53.5	1.587	2.457	13.4	20.3
12 27	3 7.89	+16 30.3	1.705	2.488	16.6	20.6

39502 1981 EE_{36} 11 17.9 7.°37 5.°0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.93	+34 2.5	1.987	2.811	13.6	18.9
10 28	3 52.71	+34 18.6	1.916	2.811	10.6	18.7
11 7	3 44.30	+34 17.9	1.868	2.812	7.5	18.5
11 17	3 34.61	+33 58.9	1.846	2.813	5.2	18.4
11 27	3 24.86	+33 22.9	1.852	2.814	5.6	18.4
12 7	3 16.27	+32 34.6	1.886	2.815	8.2	18.6
12 17	3 9.79	+31 40.3	1.946	2.816	11.3	18.8
12 27	3 6.03	+30 46.9	2.029	2.818	14.1	19.0

213470 2002 ED_{85} 11 17.9 130.°73 0.°8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.27	+18 44.2	1.644	2.507	14.1	20.7
10 28	3 55.63	+18 16.8	1.590	2.522	9.9	20.5
11 7	3 45.76	+17 42.8	1.561	2.535	5.3	20.2
11 17	3 34.73	+17 5.0	1.560	2.548	0.9	19.9
11 27	3 23.87	+16 27.7	1.587	2.560	4.7	20.2
12 7	3 14.44	+15 55.7	1.643	2.572	9.2	20.5
12 17	3 7.34	+15 33.0	1.724	2.582	13.1	20.8
12 27	3 3.09	+15 22.3	1.827	2.592	16.3	21.1

445473 2010 VZ_{98} 11 17.9 358.°69 0.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 36.36	+15 7.0	34.128	34.987	0.8	20.3
10 28	3 35.57	+15 3.8	34.052	34.982	0.6	20.3
11 7	3 34.69	+15 0.6	34.004	34.977	0.3	20.3
11 17	3 33.78	+14 57.4	33.986	34.973	0.1	20.2
11 27	3 32.86	+14 54.4	33.999	34.968	0.3	20.2
12 7	3 31.98	+14 51.8	34.042	34.963	0.6	20.3
12 17	3 31.17	+14 49.6	34.114	34.958	0.8	20.3
12 27	3 30.47	+14 48.0	34.212	34.954	1.1	20.3

180994 2005 NT_{21} 11 17.9 106°.14 0°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 57.67	+21 8.9	1.966	2.827	12.2	21.0
10 28	3 51.52	+20 41.1	1.903	2.833	8.7	20.7
11 7	3 43.53	+20 5.5	1.865	2.838	4.7	20.5
11 17	3 34.54	+19 24.2	1.855	2.843	0.4	20.2
11 27	3 25.60	+18 41.2	1.874	2.849	3.8	20.5
12 7	3 17.73	+18 0.8	1.922	2.854	7.8	20.8
12 17	3 11.72	+17 27.3	1.996	2.859	11.4	21.0
12 27	3 8.09	+17 3.6	2.093	2.864	14.3	21.2

481034 2005 AP_{73} 11 17.9 249°.27 4°.1/15.8 18

10 18	3 58.65	+ 8 49.6	1.991	2.856	11.9	21.7
10 28	3 52.29	+ 8 15.3	1.914	2.842	8.7	21.5
11 7	3 44.02	+ 7 43.4	1.862	2.828	5.5	21.3
11 17	3 34.60	+ 7 17.6	1.838	2.813	4.1	21.1
11 27	3 25.03	+ 7 1.7	1.843	2.797	6.3	21.2
12 7	3 16.34	+ 6 58.6	1.876	2.782	9.7	21.4
12 17	3 9.38	+ 7 9.5	1.934	2.766	13.1	21.6
12 27	3 4.77	+ 7 34.5	2.013	2.749	15.9	21.8

164892 1999 VD_{106} 11 17.9 67°.35 0°.4/18.2 18

10 18	3 59.00	+24 19.6	1.601	2.463	14.4	20.0
10 28	3 52.62	+23 15.1	1.549	2.479	10.3	19.8
11 7	3 44.13	+21 57.2	1.521	2.494	5.6	19.5
11 17	3 34.60	+20 30.3	1.521	2.509	0.8	19.2
11 27	3 25.34	+19 1.4	1.549	2.525	4.3	19.5
12 7	3 17.53	+17 38.5	1.606	2.540	8.9	19.9
12 17	3 11.99	+16 27.9	1.688	2.556	12.8	20.1
12 27	3 9.19	+15 33.9	1.791	2.571	16.0	20.4

170614 2003 YU_{47} 11 17.9 313°.74 1°.1/18.5 18

10 18	3 58.34	+23 36.5	1.692	2.555	13.8	20.1
10 28	3 52.40	+23 20.9	1.621	2.549	10.0	19.8
11 7	3 44.18	+22 54.4	1.573	2.544	5.6	19.6
11 17	3 34.62	+22 18.2	1.552	2.539	1.4	19.3
11 27	3 24.98	+21 35.9	1.559	2.534	4.2	19.5
12 7	3 16.53	+20 52.8	1.593	2.530	8.7	19.7
12 17	3 10.24	+20 14.6	1.653	2.525	12.8	20.0
12 27	3 6.75	+19 45.7	1.734	2.521	16.2	20.2

342197 2008 SE_{212} 11 17.9 200°.57 5°.8/21.4 18

10 18	4 2.61	+36 0.4	1.761	2.579	15.3	20.5
10 28	3 55.58	+36 5.3	1.687	2.578	12.1	20.3
11 7	3 45.94	+35 48.9	1.636	2.576	8.7	20.1
11 17	3 34.78	+35 8.9	1.610	2.574	6.2	20.0
11 27	3 23.59	+34 7.6	1.612	2.572	6.4	20.0
12 7	3 13.84	+32 51.4	1.641	2.570	9.2	20.1
12 17	3 6.63	+31 29.2	1.696	2.568	12.6	20.3
12 27	3 2.59	+30 10.1	1.774	2.565	15.7	20.5

209716 2005 EG_{103} 11 17.9 350°.50 2°.5/18.9 18

10 18	3 58.02	+24 52.9	1.331	2.204	16.1	20.2
10 28	3 52.72	+25 7.3	1.265	2.197	11.9	19.9
11 7	3 44.58	+25 9.0	1.221	2.192	7.0	19.7
11 17	3 34.68	+24 57.6	1.202	2.187	2.8	19.4
11 27	3 24.60	+24 35.4	1.208	2.184	5.1	19.5
12 7	3 15.97	+24 7.8	1.239	2.181	10.1	19.8
12 17	3 10.02	+23 41.2	1.294	2.180	14.7	20.1
12 27	3 7.49	+23 21.6	1.368	2.179	18.5	20.3

418532 Saruman 11 17.9 46°.86 1°.9/19.1 16

10 18	3 56.90	+25 59.0	2.001	2.852	12.4	21.2
10 28	3 50.97	+25 48.6	1.946	2.868	9.0	21.0
11 7	3 43.24	+25 27.4	1.916	2.883	5.3	20.8
11 17	3 34.56	+24 56.4	1.914	2.899	2.1	20.7
11 27	3 26.01	+24 18.6	1.941	2.915	3.7	20.8
12 7	3 18.57	+23 38.4	1.996	2.931	7.3	21.1
12 17	3 13.00	+23 0.5	2.077	2.948	10.6	21.3
12 27	3 9.79	+22 29.0	2.181	2.965	13.4	21.5

33143 1998 DJ_{7} 11 17.9 248°.16 1°.5/17.1 18

10 18	3 56.97	+16 3.8	2.015	2.882	11.7	18.8
10 28	3 51.04	+15 38.7	1.948	2.881	8.3	18.6
11 7	3 43.32	+15 10.5	1.906	2.880	4.5	18.4
11 17	3 34.59	+14 41.5	1.893	2.879	1.5	18.2
11 27	3 25.83	+14 15.4	1.908	2.878	4.4	18.4
12 7	3 18.04	+13 55.3	1.952	2.877	8.2	18.6
12 17	3 11.98	+13 44.0	2.022	2.876	11.6	18.8
12 27	3 8.19	+13 43.4	2.114	2.875	14.5	19.0

134125 Shaundaly 11 17.9 316°.70 0°.4/17.7 17

10 18	3 56.72	+18 13.9	2.060	2.924	11.6	19.8
10 28	3 50.96	+18 12.7	1.983	2.915	8.2	19.6
11 7	3 43.34	+18 7.4	1.932	2.906	4.4	19.3
11 17	3 34.60	+17 59.4	1.909	2.897	0.5	19.0
11 27	3 25.72	+17 50.7	1.914	2.888	3.9	19.3
12 7	3 17.73	+17 44.0	1.949	2.880	7.8	19.5
12 17	3 11.43	+17 42.2	2.010	2.872	11.3	19.7
12 27	3 7.43	+17 47.4	2.093	2.864	14.3	19.9

392871 2012 UN_{105} 11 17.9 280°.97 0°.7/18.4 18

10 18	3 58.68	+24 20.7	1.653	2.515	14.1	20.9
10 28	3 52.77	+23 32.8	1.570	2.499	10.2	20.6
11 7	3 44.47	+22 30.0	1.510	2.482	5.7	20.3
11 17	3 34.70	+21 14.9	1.477	2.466	1.0	20.0
11 27	3 24.77	+19 53.1	1.473	2.449	4.4	20.2
12 7	3 16.02	+18 32.4	1.497	2.432	9.3	20.4
12 17	3 9.49	+17 20.5	1.546	2.415	13.7	20.6
12 27	3 5.87	+16 23.1	1.616	2.399	17.4	20.9

252140 2000 YK_{101} 11 17.9 345°.94 12°.5/13.4 18

10 18	3 55.67	− 8 46.6	1.360	2.216	16.9	18.3
10 28	3 50.76	− 9 31.5	1.303	2.200	14.5	18.1
11 7	3 43.41	− 9 52.0	1.267	2.185	12.9	18.0
11 17	3 34.61	− 9 40.1	1.252	2.172	12.6	17.9
11 27	3 25.69	− 8 51.4	1.260	2.161	14.0	18.0
12 7	3 18.00	− 7 27.1	1.289	2.151	16.5	18.1
12 17	3 12.60	− 5 32.9	1.338	2.142	19.3	18.3
12 27	3 10.15	− 3 16.5	1.405	2.136	21.9	18.4

264265 1995 GW_{1} 11 17.9 188°.23 2°.5/16.2 18

10 18	3 54.93	+11 57.1	2.606	3.468	9.5	21.1
10 28	3 49.26	+11 24.0	2.538	3.467	6.8	20.9
11 7	3 42.25	+10 51.0	2.497	3.467	4.0	20.8
11 17	3 34.51	+10 20.5	2.485	3.465	2.5	20.6
11 27	3 26.76	+ 9 55.6	2.504	3.464	4.4	20.8
12 7	3 19.73	+ 9 38.6	2.552	3.463	7.2	21.0
12 17	3 14.01	+ 9 31.1	2.626	3.461	9.9	21.1
12 27	3 10.04	+ 9 34.0	2.724	3.459	12.2	21.3

483064 2015 KB_{155} 11 17.9 30°.99 17°.6/21.1 18

10 18	4 12.92	−23 37.0	1.142	1.927	23.9	19.2
10 28	4 2.34	−23 1.4	1.125	1.955	21.2	19.1
11 7	3 49.14	−21 38.6	1.124	1.984	19.0	19.1
11 17	3 35.07	−19 25.4	1.144	2.014	17.8	19.1
11 27	3 22.04	−16 27.5	1.186	2.046	17.9	19.3
12 7	3 11.55	−12 58.0	1.252	2.079	19.1	19.4
12 17	3 4.41	− 9 12.5	1.340	2.113	20.9	19.7
12 27	3 0.89	− 5 24.2	1.449	2.147	22.6	19.9

296295 2009 DN_{90} 11 17.9 194°.98 2°.2/16.9 13 C

10 18	4 1.93	+16 27.6	1.488	2.360	14.8	22.3
10 28	3 55.04	+15 42.2	1.423	2.359	10.5	22.0
11 7	3 45.65	+14 50.9	1.383	2.357	5.7	21.7
11 17	3 34.82	+13 58.1	1.369	2.355	2.2	21.5
11 27	3 23.98	+13 9.6	1.383	2.353	5.8	21.7
12 7	3 14.52	+12 31.3	1.424	2.349	10.6	22.0
12 17	3 7.50	+12 7.3	1.489	2.346	14.9	22.2
12 27	3 3.55	+11 59.7	1.573	2.342	18.4	22.5

141624 2002 JP_{34} 11 17.9 107°.11 1°.7/17.3 18

10 18	4 4.36	+15 46.6	1.561	2.428	14.5	20.2
10 28	3 56.42	+15 31.6	1.515	2.448	10.2	20.0
11 7	3 46.21	+15 13.6	1.493	2.467	5.5	19.8
11 17	3 34.86	+14 55.1	1.499	2.486	1.7	19.6
11 27	3 23.76	+14 39.6	1.534	2.505	5.1	19.9
12 7	3 14.17	+14 30.6	1.596	2.523	9.6	20.2
12 17	3 7.01	+14 30.7	1.683	2.540	13.5	20.4
12 27	3 2.79	+14 41.6	1.792	2.556	16.6	20.7

133558 2003 UP_{7} 11 17.9 277°.01 1°.4/16.9 18

10 18	3 59.18	+22 16.2	1.727	2.590	13.5	19.3
10 28	3 52.81	+20 16.9	1.650	2.582	9.6	19.1
11 7	3 44.33	+18 1.3	1.599	2.573	5.1	18.8
11 17	3 34.71	+15 36.4	1.577	2.565	1.4	18.5
11 27	3 25.16	+13 12.5	1.587	2.557	5.2	18.8
12 7	3 16.85	+11 0.5	1.627	2.548	9.8	19.0
12 17	3 10.66	+ 9 8.6	1.693	2.540	13.9	19.3
12 27	3 7.15	+ 7 41.5	1.780	2.532	17.2	19.5

444930 2008 BM_{24} 11 17.9 303°.14 0°.9/18.4 17

10 18	3 58.23	+22 15.6	1.710	2.574	13.6	21.6
10 28	3 52.54	+22 10.2	1.621	2.551	9.8	21.3
11 7	3 44.43	+21 55.5	1.556	2.528	5.5	21.0
11 17	3 34.75	+21 32.3	1.518	2.506	1.1	20.7
11 27	3 24.72	+21 3.3	1.507	2.483	4.3	20.9
12 7	3 15.67	+20 32.9	1.524	2.461	9.1	21.1
12 17	3 8.73	+20 6.4	1.566	2.439	13.4	21.3
12 27	3 4.67	+19 48.3	1.629	2.417	17.1	21.5

272100 2005 GW_{144} 11 17.9 259°.63 4°.4/14.7 17

10 18	3 53.99	+ 6 3.6	2.505	3.367	9.9	21.2
10 28	3 48.69	+ 5 12.6	2.433	3.357	7.4	21.0
11 7	3 42.00	+ 4 25.0	2.387	3.345	5.1	20.8
11 17	3 34.52	+ 3 44.6	2.370	3.334	4.5	20.8
11 27	3 26.98	+ 3 15.1	2.383	3.323	6.1	20.9
12 7	3 20.13	+ 2 59.0	2.423	3.311	8.6	21.0
12 17	3 14.57	+ 2 57.2	2.489	3.300	11.2	21.2
12 27	3 10.79	+ 3 9.7	2.576	3.288	13.4	21.3

326750 2003 RS_{24} 11 17.9 83°.77 7°.3/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.00	+42 56.0	2.282	3.053	13.7	20.7
10 28	3 54.85	+43 26.3	2.217	3.063	11.5	20.6
11 7	3 45.47	+43 35.9	2.173	3.073	9.2	20.4
11 17	3 34.82	+43 22.1	2.155	3.083	7.6	20.4
11 27	3 24.20	+42 45.4	2.164	3.093	7.4	20.4
12 7	3 14.84	+41 49.9	2.200	3.102	8.7	20.5
12 17	3 7.70	+40 42.5	2.263	3.112	10.7	20.6
12 27	3 3.35	+39 30.8	2.348	3.122	12.9	20.8

368330 2002 PO_{199} 11 17.9 124°.91 4°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.60	+ 4 0.5	2.763	3.618	9.3	22.2
10 28	3 48.86	+ 3 9.6	2.716	3.633	7.0	22.1
11 7	3 41.98	+ 2 23.8	2.695	3.647	5.1	22.0
11 17	3 34.52	+ 1 46.7	2.704	3.660	4.6	22.0
11 27	3 27.14	+ 1 21.1	2.743	3.674	5.9	22.1
12 7	3 20.49	+ 1 8.7	2.810	3.686	8.0	22.2
12 17	3 15.08	+ 1 9.9	2.903	3.699	10.1	22.4
12 27	3 11.26	+ 1 24.0	3.018	3.711	12.0	22.6

398775 2013 AR_{96} 11 17.9 345°.98 1°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.91	+16 12.3	1.586	2.460	13.9	21.0
10 28	3 52.84	+16 2.7	1.522	2.458	9.9	20.7
11 7	3 44.48	+15 49.9	1.480	2.455	5.3	20.4
11 17	3 34.75	+15 36.1	1.466	2.453	1.4	20.2
11 27	3 24.94	+15 24.6	1.479	2.452	5.0	20.4
12 7	3 16.34	+15 18.8	1.519	2.450	9.6	20.7
12 17	3 9.95	+15 21.6	1.583	2.449	13.7	20.9
12 27	3 6.39	+15 34.9	1.669	2.448	17.1	21.2

449678 2014 KQ_{97} 11 17.9 100°.57 0°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.57	+21 25.1	1.991	2.849	12.2	21.4
10 28	3 52.09	+20 51.0	1.935	2.864	8.6	21.2
11 7	3 43.84	+20 9.1	1.906	2.878	4.6	21.0
11 17	3 34.68	+19 21.7	1.904	2.893	0.4	20.7
11 27	3 25.67	+18 33.0	1.932	2.906	3.8	21.0
12 7	3 17.80	+17 47.6	1.989	2.920	7.7	21.3
12 17	3 11.79	+17 9.6	2.073	2.934	11.1	21.5
12 27	3 8.12	+16 42.0	2.179	2.947	13.9	21.7

460138 2014 PH_{54} 11 17.9 2°.58 15°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.55	−21 35.0	1.676	2.466	17.2	20.1
10 28	3 49.52	−22 56.6	1.648	2.465	16.1	20.0
11 7	3 42.55	−23 46.7	1.639	2.465	15.6	20.0
11 17	3 34.57	−23 58.4	1.649	2.466	15.9	20.0
11 27	3 26.72	−23 28.8	1.678	2.468	16.7	20.1
12 7	3 20.06	−22 20.1	1.726	2.472	17.9	20.2
12 17	3 15.38	−20 37.9	1.790	2.476	19.3	20.3
12 27	3 13.16	−18 30.0	1.869	2.481	20.6	20.4

270063 2001 OF_{90} 11 17.9 46°.14 1°.9/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.04	+16 6.7	1.125	2.012	17.4	20.0
10 28	3 55.20	+15 48.6	1.095	2.037	12.2	19.8
11 7	3 45.67	+15 27.1	1.087	2.063	6.5	19.5
11 17	3 34.86	+15 5.7	1.102	2.090	1.9	19.3
11 27	3 24.51	+14 49.2	1.144	2.117	6.0	19.7
12 7	3 16.13	+14 41.6	1.210	2.145	11.1	20.1
12 17	3 10.67	+14 45.7	1.298	2.173	15.4	20.4
12 27	3 8.57	+15 2.4	1.406	2.201	18.9	20.7

160050 1999 TW_{242} 11 17.9 35°.66 5°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.41	+ 8 33.9	1.177	2.066	16.5	19.0
10 28	3 52.51	+ 7 46.3	1.148	2.088	11.9	18.8
11 7	3 44.20	+ 7 5.4	1.142	2.111	7.6	18.7
11 17	3 34.74	+ 6 37.1	1.159	2.135	5.7	18.6
11 27	3 25.66	+ 6 26.3	1.202	2.160	8.3	18.8
12 7	3 18.31	+ 6 35.0	1.268	2.186	12.3	19.2
12 17	3 13.55	+ 7 2.3	1.356	2.212	16.1	19.5
12 27	3 11.82	+ 7 45.7	1.463	2.239	19.2	19.7

427789 2005 EC_{182} 11 17.9 289°.71 1°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.87	+17 31.8	1.325	2.204	15.8	21.2
10 28	3 54.86	+17 12.8	1.247	2.185	11.3	20.9
11 7	3 45.87	+16 47.3	1.191	2.167	6.2	20.5
11 17	3 34.93	+16 17.9	1.160	2.148	1.4	20.2
11 27	3 23.60	+15 49.2	1.156	2.130	5.8	20.4
12 7	3 13.57	+15 26.8	1.177	2.112	11.4	20.7
12 17	3 6.18	+15 15.7	1.221	2.094	16.4	20.9
12 27	3 2.30	+15 19.1	1.284	2.076	20.6	21.1

328567 2009 ST_{16} 11 17.9 287°.42 4°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 54.58	+ 9 6.6	2.125	2.994	11.1	20.1
10 28	3 49.29	+ 8 2.0	2.056	2.987	8.1	19.9
11 7	3 42.40	+ 6 58.5	2.014	2.979	5.3	19.7
11 17	3 34.60	+ 6 0.8	1.999	2.971	4.3	19.7
11 27	3 26.76	+ 5 14.0	2.014	2.964	6.3	19.8
12 7	3 19.76	+ 4 41.6	2.056	2.956	9.4	19.9
12 17	3 14.29	+ 4 25.4	2.124	2.948	12.3	20.1
12 27	3 10.88	+ 4 25.8	2.212	2.941	14.9	20.3

97386 2000 AQ_{86} 11 17.9 182°.98 6°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 58.12	+ 0 17.2	2.156	3.008	11.7	19.6
10 28	3 51.69	− 0 28.2	2.098	3.008	9.1	19.4
11 7	3 43.64	− 1 4.4	2.066	3.008	7.1	19.3
11 17	3 34.71	− 1 26.8	2.062	3.008	6.6	19.3
11 27	3 25.80	− 1 32.0	2.085	3.007	8.1	19.4
12 7	3 17.79	− 1 18.9	2.136	3.006	10.5	19.5
12 17	3 11.39	− 0 48.1	2.211	3.004	13.0	19.7
12 27	3 7.08	− 0 1.6	2.307	3.002	15.2	19.8

514582 2001 RX_{19} 11 17.9 81°.20 6°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.63	+38 52.8	1.940	2.737	14.9	21.3
10 28	3 56.74	+39 20.7	1.889	2.760	12.0	21.1
11 7	3 46.47	+39 27.2	1.861	2.784	9.1	21.0
11 17	3 34.96	+39 10.2	1.858	2.806	7.0	20.9
11 27	3 23.64	+38 30.9	1.883	2.829	6.9	20.9
12 7	3 13.86	+37 35.0	1.935	2.851	8.8	21.1
12 17	3 6.57	+36 30.3	2.014	2.874	11.4	21.3
12 27	3 2.31	+35 24.8	2.115	2.895	13.9	21.5

516350 2017 BQ_{99} 11 17.9 17°.40 3°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.39	+10 15.7	1.765	2.638	12.8	20.7
10 28	3 51.49	+ 9 46.4	1.706	2.639	9.2	20.5
11 7	3 43.65	+ 9 19.3	1.671	2.641	5.6	20.3
11 17	3 34.71	+ 8 58.0	1.663	2.643	3.8	20.2
11 27	3 25.79	+ 8 46.3	1.684	2.645	6.1	20.3
12 7	3 17.94	+ 8 46.8	1.732	2.647	9.8	20.5
12 17	3 12.01	+ 9 0.5	1.804	2.650	13.2	20.8
12 27	3 8.55	+ 9 27.3	1.897	2.652	16.1	21.0

446061 2013 CP_{135} 11 17.9 248°.35 0°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.14	+20 48.6	2.032	2.889	12.0	21.8
10 28	3 52.76	+20 42.8	1.952	2.879	8.6	21.5
11 7	3 44.38	+20 30.2	1.897	2.869	4.7	21.3
11 17	3 34.79	+20 11.9	1.870	2.858	0.6	20.9
11 27	3 25.04	+19 50.3	1.873	2.847	3.8	21.2
12 7	3 16.23	+19 28.8	1.904	2.836	7.9	21.4
12 17	3 9.23	+19 11.2	1.962	2.825	11.5	21.6
12 27	3 4.67	+19 0.7	2.043	2.813	14.6	21.8

227815 2007 BN_{65} 11 17.9 329°.16 2°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 57.84	+15 22.4	1.263	2.150	15.8	20.3
10 28	3 52.57	+14 44.5	1.198	2.140	11.3	20.0
11 7	3 44.54	+14 2.0	1.154	2.130	6.3	19.7
11 17	3 34.80	+13 19.6	1.135	2.121	2.7	19.5
11 27	3 24.91	+12 43.4	1.142	2.113	6.5	19.7
12 7	3 16.43	+12 19.1	1.173	2.105	11.7	20.0
12 17	3 10.53	+12 10.8	1.226	2.098	16.4	20.2
12 27	3 7.96	+12 20.0	1.298	2.091	20.3	20.5

184297 2005 EZ_{46} 11 17.9 182°.15 2°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.78	+15 39.9	1.659	2.527	13.7	21.5
10 28	3 54.75	+15 5.1	1.594	2.528	9.7	21.3
11 7	3 45.46	+14 26.2	1.554	2.528	5.3	21.0
11 17	3 34.88	+13 46.8	1.542	2.528	2.1	20.8
11 27	3 24.31	+13 11.6	1.558	2.527	5.4	21.0
12 7	3 14.99	+12 45.0	1.602	2.526	9.8	21.3
12 17	3 7.87	+12 30.4	1.671	2.524	13.7	21.5
12 27	3 3.57	+12 29.5	1.761	2.522	17.0	21.7

517389 2014 KQ_{104} 11 17.9 102°.24 2°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.67	+13 36.0	1.980	2.844	12.0	21.4
10 28	3 52.90	+13 28.9	1.924	2.855	8.5	21.2
11 7	3 44.32	+13 21.4	1.894	2.866	4.7	21.0
11 17	3 34.78	+13 15.6	1.892	2.877	2.0	20.8
11 27	3 25.30	+13 13.7	1.919	2.888	4.6	21.0
12 7	3 16.88	+13 17.9	1.976	2.898	8.3	21.3
12 17	3 10.29	+13 29.8	2.058	2.908	11.6	21.5
12 27	3 6.05	+13 50.3	2.163	2.918	14.4	21.7

19703 1999 TJ_{4} 11 17.9 150°.38 0°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 56.23	+18 46.4	2.319	3.179	10.6	18.5
10 28	3 50.34	+18 9.8	2.253	3.183	7.5	18.3
11 7	3 42.91	+17 27.9	2.213	3.187	4.0	18.1
11 17	3 34.66	+16 43.3	2.202	3.190	0.8	17.9
11 27	3 26.44	+15 59.4	2.221	3.193	3.7	18.1
12 7	3 19.10	+15 20.0	2.270	3.197	7.1	18.3
12 17	3 13.30	+14 48.3	2.346	3.199	10.3	18.5
12 27	3 9.50	+14 26.7	2.445	3.202	12.9	18.7

442423 2011 UE_{126} 11 17.9 43°.53 3°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.87	+28 27.9	1.815	2.661	13.8	20.8
10 28	3 53.47	+28 33.1	1.747	2.662	10.3	20.6
11 7	3 44.81	+28 24.6	1.702	2.664	6.5	20.4
11 17	3 34.84	+28 1.8	1.684	2.665	3.4	20.2
11 27	3 24.83	+27 27.0	1.695	2.667	4.6	20.3
12 7	3 16.04	+26 45.1	1.733	2.668	8.2	20.5
12 17	3 9.42	+26 2.1	1.797	2.670	11.9	20.7
12 27	3 5.58	+25 23.8	1.883	2.672	15.0	20.9

42969 1999 TD_{173} 11 17.9 127°.03 1°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.01	+15 28.0	1.838	2.705	12.7	18.8
10 28	3 53.29	+15 12.4	1.779	2.711	9.0	18.6
11 7	3 44.61	+14 54.4	1.744	2.718	4.9	18.4
11 17	3 34.82	+14 36.2	1.737	2.724	1.6	18.2
11 27	3 25.08	+14 21.0	1.759	2.730	4.7	18.4
12 7	3 16.46	+14 11.9	1.810	2.736	8.7	18.7
12 17	3 9.82	+14 11.2	1.886	2.741	12.3	18.9
12 27	3 5.70	+14 20.5	1.984	2.746	15.3	19.1

123265 2000 UA_{80} 11 17.9 141°.02 0°.8/17.7 18

10 18	4 3.21	+16 21.5	1.909	2.767	12.6	18.7
10 28	3 55.55	+16 36.1	1.847	2.775	8.9	18.5
11 7	3 45.83	+16 48.4	1.810	2.783	4.8	18.2
11 17	3 34.94	+16 59.0	1.802	2.790	0.8	17.9
11 27	3 24.04	+17 9.2	1.824	2.797	4.2	18.2
12 7	3 14.27	+17 21.1	1.875	2.803	8.3	18.5
12 17	3 6.52	+17 36.8	1.953	2.809	11.9	18.7
12 27	3 1.37	+17 58.2	2.054	2.814	14.9	18.9

442335 2011 SJ_{175} 11 17.9 38°.16 3°.2/19.3 18

10 18	4 1.56	+26 6.0	1.384	2.247	16.2	20.3
10 28	3 54.96	+26 34.9	1.338	2.263	11.9	20.1
11 7	3 45.67	+26 50.2	1.314	2.281	7.2	19.9
11 17	3 34.92	+26 50.8	1.315	2.299	3.4	19.7
11 27	3 24.32	+26 38.7	1.344	2.317	5.2	19.9
12 7	3 15.39	+26 18.9	1.398	2.337	9.5	20.2
12 17	3 9.18	+25 57.6	1.476	2.356	13.5	20.5
12 27	3 6.26	+25 40.5	1.575	2.377	16.9	20.8

257111 2008 GE_{72} 11 17.9 45°.95 0°.7/18.4 17

10 18	3 57.93	+22 14.0	1.837	2.699	12.9	21.2
10 28	3 51.91	+22 1.1	1.776	2.705	9.2	21.0
11 7	3 43.89	+21 39.7	1.739	2.711	5.1	20.8
11 17	3 34.77	+21 11.3	1.729	2.717	0.9	20.5
11 27	3 25.68	+20 39.0	1.748	2.724	3.9	20.7
12 7	3 17.73	+20 7.2	1.795	2.731	8.0	21.0
12 17	3 11.76	+19 40.2	1.868	2.737	11.7	21.3
12 27	3 8.32	+19 21.4	1.963	2.744	14.8	21.5

311798 2006 UD_{118} 11 17.9 87°.57 0°.0/17.9 18

10 18	3 58.49	+20 27.3	1.883	2.746	12.6	21.1
10 28	3 52.25	+20 10.6	1.821	2.751	8.9	20.9
11 7	3 44.06	+19 46.9	1.783	2.757	4.8	20.7
11 17	3 34.79	+19 18.0	1.774	2.762	0.4	20.3
11 27	3 25.55	+18 47.3	1.793	2.768	3.9	20.6
12 7	3 17.42	+18 18.7	1.841	2.773	8.1	20.9
12 17	3 11.23	+17 56.2	1.914	2.779	11.7	21.1
12 27	3 7.51	+17 42.7	2.010	2.784	14.7	21.4

442266 2011 QS_{39} 11 17.9 104°.67 3°.5/16.0 18

10 18	3 59.12	+11 32.4	1.844	2.712	12.5	21.5
10 28	3 52.49	+10 41.8	1.796	2.728	8.9	21.4
11 7	3 44.09	+ 9 51.9	1.774	2.744	5.3	21.2
11 17	3 34.79	+ 9 7.0	1.780	2.760	3.5	21.1
11 27	3 25.66	+ 8 31.6	1.816	2.775	5.9	21.3
12 7	3 17.70	+ 8 9.1	1.878	2.790	9.4	21.5
12 17	3 11.65	+ 8 1.1	1.966	2.804	12.6	21.8
12 27	3 7.98	+ 8 7.7	2.075	2.818	15.3	22.0

75713 2000 AR_{118} 11 17.9 140°.00 6°.7/13.3 18

10 18	3 55.15	− 3 20.7	2.584	3.425	10.3	19.1
10 28	3 49.37	− 4 9.8	2.536	3.432	8.4	19.0
11 7	3 42.33	− 4 48.5	2.514	3.439	7.0	18.9
11 17	3 34.64	− 5 12.9	2.519	3.445	6.8	18.9
11 27	3 27.01	− 5 20.2	2.553	3.451	7.9	19.0
12 7	3 20.13	− 5 9.7	2.613	3.457	9.7	19.1
12 17	3 14.55	− 4 42.2	2.697	3.463	11.6	19.3
12 27	3 10.69	− 3 59.8	2.802	3.469	13.3	19.4

2918 Salazar 11 17.9 97°.31 0°.9/17.4 18

10 18	3 56.30	+17 30.4	2.402	3.262	10.3	17.1
10 28	3 50.30	+17 7.6	2.346	3.276	7.2	17.0
11 7	3 42.87	+16 41.3	2.316	3.289	3.9	16.8
11 17	3 34.70	+16 13.4	2.315	3.303	0.9	16.6
11 27	3 26.61	+15 46.9	2.345	3.316	3.5	16.8
12 7	3 19.39	+15 24.5	2.404	3.330	6.8	17.0
12 17	3 13.66	+15 8.6	2.490	3.343	9.8	17.2
12 27	3 9.86	+15 1.1	2.600	3.356	12.2	17.4

305060 2007 UY_{77} 11 17.9 3°.12 1°.4/18.6 18

10 18	3 58.70	+23 21.3	1.508	2.376	14.8	21.0
10 28	3 52.89	+23 17.2	1.444	2.375	10.7	20.8
11 7	3 44.61	+23 2.3	1.403	2.375	6.1	20.5
11 17	3 34.87	+22 37.4	1.388	2.376	1.6	20.2
11 27	3 25.08	+22 5.8	1.400	2.377	4.5	20.4
12 7	3 16.62	+21 32.8	1.439	2.378	9.2	20.7
12 17	3 10.56	+21 4.1	1.502	2.380	13.5	20.9
12 27	3 7.53	+20 44.1	1.586	2.382	17.1	21.2

164886 1999 VX_{81} 11 17.9 45°.84 1°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.22	+19 13.1	1.250	2.131	16.4	19.0
10 28	3 53.71	+18 21.2	1.221	2.161	11.4	18.8
11 7	3 44.81	+17 22.0	1.214	2.190	6.0	18.6
11 17	3 34.86	+16 20.9	1.233	2.221	1.3	18.4
11 27	3 25.40	+15 24.5	1.278	2.252	5.4	18.7
12 7	3 17.76	+14 39.3	1.349	2.283	10.2	19.1
12 17	3 12.75	+14 9.2	1.443	2.314	14.4	19.4
12 27	3 10.77	+13 55.6	1.557	2.346	17.7	19.7

173006 2006 PC_{6} 11 17.9 14°.54 3°.9/16.0 18

10 18	3 57.77	+10 20.6	1.730	2.604	13.0	19.9
10 28	3 51.81	+ 9 43.0	1.671	2.604	9.3	19.7
11 7	3 43.87	+ 9 7.2	1.635	2.605	5.7	19.5
11 17	3 34.80	+ 8 37.2	1.627	2.606	3.9	19.4
11 27	3 25.74	+ 8 17.5	1.647	2.606	6.3	19.6
12 7	3 17.78	+ 8 10.9	1.693	2.607	10.0	19.8
12 17	3 11.78	+ 8 18.9	1.764	2.608	13.5	20.0
12 27	3 8.29	+ 8 41.4	1.856	2.610	16.5	20.2

385189 1996 BZ_{11} 11 17.9 356°.03 2°.6/17.1 18

10 18	3 59.16	+13 57.9	1.172	2.061	16.6	20.3
10 28	3 53.62	+13 51.0	1.115	2.058	11.9	20.0
11 7	3 45.16	+13 43.7	1.079	2.055	6.6	19.7
11 17	3 34.93	+13 39.0	1.067	2.053	2.6	19.5
11 27	3 24.60	+13 40.7	1.080	2.052	6.4	19.7
12 7	3 15.82	+13 52.1	1.117	2.052	11.7	20.0
12 17	3 9.83	+14 15.2	1.176	2.053	16.5	20.3
12 27	3 7.35	+14 50.9	1.253	2.055	20.5	20.6

111973 2002 GX_{87} 11 17.9 134°.09 3°.6/16.3 18

10 18	4 1.80	+12 24.9	1.542	2.414	14.3	20.1
10 28	3 54.76	+11 38.2	1.489	2.423	10.2	19.8
11 7	3 45.46	+10 51.0	1.460	2.431	5.9	19.6
11 17	3 34.96	+10 8.2	1.458	2.440	3.6	19.5
11 27	3 24.58	+ 9 34.9	1.484	2.447	6.5	19.7
12 7	3 15.59	+ 9 15.3	1.537	2.454	10.6	20.0
12 17	3 8.91	+ 9 11.3	1.614	2.461	14.4	20.2
12 27	3 5.08	+ 9 23.3	1.711	2.468	17.6	20.4

224088 2005 NS_{99} 11 17.9 19°.06 3°.2/19.8 18

10 18	3 54.87	+30 1.5	0.928	1.814	20.3	18.5
10 28	3 50.93	+29 4.7	0.888	1.824	15.0	18.3
11 7	3 43.70	+27 40.0	0.865	1.836	9.1	18.0
11 17	3 34.79	+25 52.6	0.865	1.850	3.7	17.8
11 27	3 26.23	+23 54.0	0.888	1.866	5.7	18.0
12 7	3 19.82	+21 59.0	0.933	1.883	11.3	18.3
12 17	3 16.62	+20 19.9	1.001	1.902	16.4	18.7
12 27	3 17.08	+19 4.1	1.086	1.923	20.6	19.0

271076 2003 ML_{3} 11 17.9 100°.43 0°.4/17.8 18

10 18	4 2.79	+18 52.1	1.906	2.763	12.7	19.8
10 28	3 55.05	+18 40.5	1.861	2.789	8.9	19.6
11 7	3 45.45	+18 23.5	1.841	2.814	4.8	19.4
11 17	3 34.95	+18 2.8	1.850	2.839	0.5	19.1
11 27	3 24.69	+17 41.5	1.889	2.863	4.0	19.4
12 7	3 15.71	+17 23.0	1.958	2.886	7.9	19.7
12 17	3 8.78	+17 10.5	2.052	2.909	11.4	20.0
12 27	3 4.36	+17 6.3	2.170	2.931	14.2	20.2

102584 1999 UE_{48} 11 17.9 179°.98 3°.0/19.7 18

10 18	4 1.81	+28 54.8	2.149	2.981	12.4	19.5
10 28	3 54.61	+29 2.6	2.075	2.982	9.3	19.3
11 7	3 45.37	+28 57.9	2.025	2.983	5.9	19.1
11 17	3 34.96	+28 40.1	2.004	2.983	3.2	18.9
11 27	3 24.49	+28 10.7	2.013	2.983	4.2	19.0
12 7	3 15.07	+27 33.9	2.051	2.982	7.5	19.2
12 17	3 7.60	+26 54.6	2.117	2.981	10.7	19.4
12 27	3 2.66	+26 18.4	2.205	2.979	13.6	19.6

483358 2016 RC_{27} 11 17.9 102°.59 1°.9/18.9 17

10 18	4 4.72	+25 27.8	1.631	2.482	14.8	21.5
10 28	3 56.76	+25 19.3	1.583	2.504	10.7	21.3
11 7	3 46.49	+24 58.0	1.558	2.526	6.2	21.1
11 17	3 35.05	+24 24.7	1.561	2.547	2.2	20.8
11 27	3 23.89	+23 43.2	1.593	2.567	4.4	21.0
12 7	3 14.29	+22 59.4	1.653	2.587	8.6	21.3
12 17	3 7.20	+22 19.1	1.738	2.607	12.5	21.6
12 27	3 3.08	+21 47.3	1.846	2.625	15.6	21.9

267285 2001 SX_{61} 11 17.9 50°.35 2°.2/18.8 18

10 18	4 3.18	+23 40.4	1.306	2.175	16.7	19.2
10 28	3 56.21	+24 3.4	1.259	2.189	12.1	18.9
11 7	3 46.41	+24 14.9	1.234	2.204	6.9	18.7
11 17	3 35.06	+24 14.2	1.234	2.220	2.4	18.5
11 27	3 23.85	+24 3.5	1.260	2.236	5.0	18.7
12 7	3 14.39	+23 47.9	1.313	2.252	9.9	19.0
12 17	3 7.79	+23 33.1	1.389	2.269	14.3	19.3
12 27	3 4.65	+23 24.3	1.485	2.286	17.8	19.6

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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