2020	α_{2000}	δ_{2000}	Δ	r	β	V
210423 2007 YW_{51}			3 10.9 230°.20		1°.9/ 8.7 18	
	h m	° ′			°	m
2 1	11 47.62	+ 7 18.0	2.482	3.271	11.9	20.8
2 11	11 44.08	+ 8 1.3	2.387	3.265	9.3	20.6
2 21	11 38.75	+ 8 53.3	2.316	3.259	6.2	20.4
3 2	11 32.06	+ 9 49.6	2.273	3.253	3.1	20.2
3 12	11 24.64	+10 44.8	2.259	3.247	2.3	20.1
3 22	11 17.24	+11 33.7	2.275	3.241	5.2	20.3
4 1	11 10.61	+12 11.9	2.319	3.234	8.4	20.5
4 11	11 5.36	+12 36.5	2.388	3.227	11.3	20.6
75891 2000 CY_{37}			3 10.9 228°.04		4°.0/14.8 17	
2 1	11 51.61	− 8 40.6	2.278	2.999	14.7	19.7
2 11	11 47.46	− 9 11.8	2.175	2.996	12.3	19.5
2 21	11 41.21	− 9 27.6	2.093	2.992	9.4	19.3
3 2	11 33.31	− 9 27.3	2.036	2.988	6.4	19.1
3 12	11 24.49	− 9 12.1	2.006	2.984	4.2	19.0
3 22	11 15.62	− 8 45.2	2.005	2.979	4.9	19.0
4 1	11 7.59	− 8 11.2	2.033	2.975	7.8	19.2
4 11	11 1.17	− 7 35.7	2.087	2.970	10.9	19.3
212014 2005 CX_{4}			3 10.9 112°.60		1°.9/ 9.3 18	
2 1	11 54.11	+ 5 43.6	1.754	2.545	16.0	20.3
2 11	11 49.72	+ 6 23.7	1.683	2.561	12.4	20.1
2 21	11 42.82	+ 7 15.9	1.634	2.576	8.3	19.9
3 2	11 34.06	+ 8 14.4	1.610	2.591	4.0	19.7
3 12	11 24.43	+ 9 11.8	1.615	2.606	2.3	19.6
3 22	11 15.05	+10 0.9	1.649	2.620	6.2	19.9
4 1	11 6.98	+10 36.4	1.709	2.633	10.3	20.1
4 11	11 1.02	+10 55.2	1.793	2.646	13.9	20.4
194093 2001 SA_{199}			3 10.9 118°.34		0°.8/10.2 18	
2 1	11 55.26	+ 2 33.4	1.773	2.552	16.3	21.8
2 11	11 50.55	+ 3 12.7	1.702	2.573	12.8	21.6
2 21	11 43.35	+ 4 6.8	1.653	2.592	8.6	21.3
3 2	11 34.30	+ 5 10.4	1.630	2.611	4.0	21.1
3 12	11 24.41	+ 6 16.3	1.636	2.629	1.2	20.9
3 22	11 14.79	+ 7 17.0	1.671	2.646	5.6	21.3
4 1	11 6.49	+ 8 6.3	1.733	2.662	9.8	21.6
4 11	11 0.30	+ 8 40.0	1.819	2.678	13.4	21.8
86029 1999 LV_{32}			3 10.9 241°.30		3°.8/ 6.4 17	
2 1	11 48.49	+10 32.1	2.177	2.978	12.9	20.2
2 11	11 45.15	+11 53.1	2.080	2.966	10.1	20.0
2 21	11 39.72	+13 24.3	2.008	2.953	6.9	19.8
3 2	11 32.62	+14 59.0	1.964	2.939	4.2	19.6
3 12	11 24.58	+16 28.8	1.949	2.925	4.4	19.6
3 22	11 16.50	+17 46.2	1.963	2.911	7.4	19.7
4 1	11 9.26	+18 45.2	2.004	2.896	10.7	19.9
4 11	11 3.65	+19 22.9	2.069	2.881	13.8	20.1
283033 2007 WH_{40}			3 10.9 185°.65		6°.2/18.4 18	
2 1	11 49.37	−18 32.1	2.637	3.292	14.4	20.6
2 11	11 45.48	−19 8.4	2.532	3.292	12.5	20.4
2 21	11 39.75	−19 26.2	2.447	3.291	10.4	20.3
3 2	11 32.57	−19 23.7	2.385	3.291	8.2	20.1
3 12	11 24.59	−19 1.0	2.349	3.290	6.6	20.0
3 22	11 16.57	−18 20.3	2.341	3.289	6.4	20.0
4 1	11 9.29	−17 26.1	2.360	3.287	7.7	20.1
4 11	11 3.40	−16 24.5	2.406	3.285	9.8	20.2
24841 1995 UY_{8}			3 10.9 75°.58		2°.9/ 8.6 18	
2 1	11 53.28	+ 7 53.9	1.569	2.375	16.9	18.8
2 11	11 49.30	+ 8 39.1	1.506	2.393	13.1	18.5
2 21	11 42.64	+ 9 35.4	1.465	2.411	8.8	18.3
3 2	11 33.99	+10 35.7	1.449	2.429	4.4	18.1
3 12	11 24.45	+11 31.5	1.460	2.447	3.4	18.1
3 22	11 15.26	+12 15.3	1.498	2.465	7.2	18.4
4 1	11 7.53	+12 42.0	1.562	2.483	11.3	18.6
4 11	11 2.08	+12 49.6	1.648	2.500	14.9	18.9
292429 2006 SH_{322}			3 10.9 220°.37		1°.2/ 9.8 14 C	
2 1	11 51.62	+ 3 59.4	2.092	2.872	14.1	23.1
2 11	11 47.64	+ 4 38.4	1.991	2.863	11.1	22.9
2 21	11 41.43	+ 5 30.4	1.914	2.853	7.5	22.6
3 2	11 33.46	+ 6 31.1	1.863	2.843	3.6	22.4
3 12	11 24.50	+ 7 34.3	1.841	2.833	1.5	22.2
3 22	11 15.49	+ 8 33.5	1.849	2.821	5.4	22.4
4 1	11 7.41	+ 9 22.5	1.884	2.809	9.4	22.6
4 11	11 1.06	+ 9 57.2	1.945	2.797	13.0	22.8
502879 2015 DY_{212}			3 10.9 7°.30		2°.5/13.9 17	
2 1	11 42.18	− 9 0.9	1.838	2.593	16.7	21.0
2 11	11 40.47	− 8 13.0	1.747	2.594	13.7	20.8
2 21	11 36.62	− 6 59.0	1.676	2.595	10.0	20.5
3 2	11 31.13	− 5 21.4	1.630	2.598	6.0	20.3
3 12	11 24.77	− 3 26.6	1.611	2.601	2.6	20.1
3 22	11 18.47	− 1 23.9	1.621	2.604	4.5	20.2
4 1	11 13.15	+ 0 36.3	1.658	2.608	8.5	20.5
4 11	11 9.54	+ 2 24.4	1.721	2.613	12.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
415655 2014 QV_{409}			3 10.9 312°.23		3°.3/13.7 18	
	h m	° ′			°	m
2 1	11 49.73	− 6 44.2	1.511	2.278	19.2	20.9
2 11	11 46.98	− 6 45.8	1.424	2.278	15.8	20.6
2 21	11 41.41	− 6 23.4	1.355	2.277	11.7	20.4
3 2	11 33.58	− 5 37.4	1.308	2.276	7.1	20.1
3 12	11 24.49	− 4 32.4	1.287	2.275	3.5	19.9
3 22	11 15.40	− 3 16.1	1.292	2.274	5.6	20.0
4 1	11 7.61	− 1 58.4	1.323	2.274	10.2	20.2
4 11	11 2.12	− 0 48.7	1.377	2.273	14.6	20.5
109316 2001 QO_{135}			3 10.9 162°.87		1°.7/12.7 18	
2 1	11 52.87	− 3 15.7	2.341	3.084	13.8	20.6
2 11	11 48.23	− 3 13.8	2.247	3.090	11.2	20.4
2 21	11 41.60	− 2 58.2	2.175	3.096	8.0	20.2
3 2	11 33.45	− 2 30.2	2.130	3.100	4.5	20.0
3 12	11 24.51	− 1 53.4	2.114	3.105	1.7	19.8
3 22	11 15.63	− 1 12.1	2.128	3.108	4.0	20.0
4 1	11 7.65	− 0 31.3	2.171	3.111	7.5	20.2
4 11	11 1.24	+ 0 4.4	2.241	3.113	10.7	20.4
125767 2001 XZ_{136}			3 10.9 34°.18		2°.1/ 9.1 18	
2 1	11 49.87	+ 6 27.9	1.780	2.581	15.4	20.1
2 11	11 46.53	+ 7 6.9	1.699	2.583	12.0	19.8
2 21	11 40.77	+ 7 57.8	1.639	2.584	8.1	19.6
3 2	11 33.14	+ 8 55.0	1.605	2.586	3.9	19.4
3 12	11 24.55	+ 9 51.4	1.598	2.588	2.5	19.3
3 22	11 16.07	+10 39.7	1.619	2.590	6.4	19.5
4 1	11 8.75	+11 14.2	1.667	2.591	10.5	19.7
4 11	11 3.39	+11 31.7	1.737	2.593	14.1	20.0
87491 2000 QE_{157}			3 10.9 56°.77		6°.0/16.1 18	
2 1	11 51.83	−11 57.9	1.752	2.477	18.4	19.3
2 11	11 48.14	−12 43.3	1.672	2.490	15.6	19.2
2 21	11 41.91	−13 6.9	1.611	2.502	12.2	19.0
3 2	11 33.71	−13 6.8	1.572	2.515	8.8	18.8
3 12	11 24.49	−12 44.3	1.559	2.528	6.3	18.7
3 22	11 15.38	−12 3.6	1.572	2.541	6.6	18.7
4 1	11 7.50	−11 11.7	1.611	2.555	9.3	18.9
4 11	11 1.71	−10 16.7	1.675	2.568	12.5	19.1
171026 2005 EU_{53}			3 10.9 62°.15		0°.7/10.4 18	
2 1	11 49.85	+ 2 0.1	1.556	2.353	17.4	20.4
2 11	11 46.85	+ 2 35.4	1.477	2.357	13.7	20.2
2 21	11 41.16	+ 3 28.4	1.419	2.362	9.3	19.9
3 2	11 33.38	+ 4 34.1	1.385	2.366	4.4	19.7
3 12	11 24.53	+ 5 44.6	1.378	2.371	1.1	19.4
3 22	11 15.80	+ 6 51.1	1.398	2.375	6.0	19.8
4 1	11 8.39	+ 7 45.8	1.443	2.380	10.8	20.1
4 11	11 3.18	+ 8 23.5	1.512	2.385	14.9	20.3
430743 2004 JP_{31}			3 10.9 280°.09		4°.3/ 5.9 17	
2 1	11 48.40	+15 2.3	2.339	3.145	12.0	20.6
2 11	11 44.86	+15 58.0	2.252	3.137	9.4	20.4
2 21	11 39.37	+16 57.8	2.189	3.130	6.7	20.2
3 2	11 32.40	+17 55.6	2.154	3.123	4.6	20.0
3 12	11 24.65	+18 45.0	2.147	3.116	4.9	20.0
3 22	11 16.95	+19 20.7	2.169	3.109	7.3	20.2
4 1	11 10.12	+19 39.4	2.217	3.102	10.1	20.3
4 11	11 4.82	+19 39.8	2.288	3.095	12.8	20.5
297769 2001 XE_{172}			3 10.9 358°.48		2°.2/12.6 18	
2 1	11 48.42	− 2 58.8	1.290	2.087	20.3	20.0
2 11	11 46.37	− 3 4.2	1.210	2.085	16.5	19.7
2 21	11 41.23	− 2 46.7	1.148	2.084	11.8	19.4
3 2	11 33.56	− 2 7.7	1.107	2.083	6.6	19.1
3 12	11 24.52	− 1 13.0	1.091	2.083	2.2	18.8
3 22	11 15.51	− 0 11.2	1.100	2.084	6.0	19.1
4 1	11 8.00	+ 0 47.9	1.132	2.085	11.3	19.4
4 11	11 3.07	+ 1 35.5	1.187	2.087	16.1	19.6
417000 2005 TH_{177}			3 11.0 88°.54		2°.7/13.4 18	
2 1	11 58.11	− 4 58.6	2.122	2.852	15.4	22.4
2 11	11 52.25	− 5 17.8	2.053	2.885	12.5	22.2
2 21	11 44.23	− 5 21.8	2.006	2.918	9.1	22.0
3 2	11 34.65	− 5 11.6	1.985	2.949	5.4	21.9
3 12	11 24.43	− 4 50.2	1.994	2.980	2.7	21.8
3 22	11 14.52	− 4 21.8	2.032	3.011	4.4	21.9
4 1	11 5.81	− 3 51.5	2.100	3.040	7.7	22.2
4 11	10 58.98	− 3 23.9	2.194	3.069	10.8	22.4
395732 2012 UX_{57}			3 11.0 137°.52		1°.8/12.3 18	
2 1	11 52.59	− 3 10.5	1.428	2.209	19.5	21.8
2 11	11 49.32	− 3 0.3	1.347	2.213	15.7	21.5
2 21	11 43.05	− 2 27.5	1.285	2.217	11.2	21.3
3 2	11 34.38	− 1 34.4	1.246	2.221	6.1	21.0
3 12	11 24.44	− 0 27.3	1.232	2.225	1.8	20.7
3 22	11 14.59	+ 0 44.8	1.246	2.228	5.7	21.0
4 1	11 6.20	+ 1 52.3	1.284	2.231	10.8	21.3
4 11	11 0.30	+ 2 47.1	1.346	2.234	15.4	21.5

310456 2000 QM_{147} 3 11.0 11°.00 11°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	12 9.42	− 5 14.8	0.902	1.689	27.8	19.4
2 11	12 4.88	− 8 30.0	0.831	1.689	23.7	19.2
2 21	11 55.22	−11 37.7	0.777	1.691	19.0	18.9
3 2	11 40.91	−14 25.1	0.742	1.693	14.2	18.6
3 12	11 23.68	−16 38.3	0.729	1.697	11.6	18.5
3 22	11 6.22	−18 8.8	0.739	1.702	13.1	18.6
4 1	10 51.38	−18 58.4	0.770	1.707	17.4	18.8
4 11	10 41.16	−19 19.3	0.819	1.714	21.9	19.1

85744 1998 SG_{117} 3 11.0 212°.70 1°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.89	− 3 53.4	1.928	2.679	16.1	20.0
2 11	11 49.69	− 3 43.2	1.824	2.672	13.1	19.8
2 21	11 43.01	− 3 14.7	1.740	2.663	9.4	19.6
3 2	11 34.31	− 2 29.5	1.683	2.654	5.3	19.3
3 12	11 24.46	− 1 31.7	1.653	2.644	1.9	19.0
3 22	11 14.50	− 0 27.7	1.652	2.633	4.8	19.2
4 1	11 5.56	+ 0 35.3	1.679	2.621	9.2	19.4
4 11	10 58.54	+ 1 30.3	1.732	2.608	13.1	19.6

386204 2007 VP_{289} 3 11.0 86°.52 9°.4/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.74	+33 10.7	2.307	3.103	12.5	20.7
2 11	11 48.40	+34 43.7	2.262	3.113	10.8	20.6
2 21	11 41.80	+36 6.9	2.241	3.124	9.7	20.6
3 2	11 33.55	+37 11.9	2.245	3.134	9.5	20.6
3 12	11 24.58	+37 52.0	2.274	3.144	10.3	20.6
3 22	11 15.89	+38 4.0	2.328	3.154	11.8	20.7
4 1	11 8.41	+37 48.2	2.402	3.163	13.5	20.9
4 11	11 2.85	+37 7.6	2.496	3.173	15.1	21.0

240737 2005 JN_{76} 3 11.0 303°.38 4°.9/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.64	+16 23.0	2.154	2.961	12.8	20.9
2 11	11 46.76	+17 13.0	2.072	2.957	10.1	20.7
2 21	11 40.74	+18 5.8	2.014	2.953	7.2	20.5
3 2	11 33.09	+18 54.9	1.983	2.950	5.1	20.4
3 12	11 24.62	+19 33.6	1.979	2.946	5.4	20.4
3 22	11 16.25	+19 56.6	2.004	2.943	7.9	20.5
4 1	11 8.89	+20 1.2	2.055	2.940	10.8	20.7
4 11	11 3.25	+19 46.7	2.128	2.936	13.6	20.9

328706 2009 TK_{6} 3 11.0 212°.63 3°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.20	+11 19.6	2.337	3.124	12.6	21.2
2 11	11 49.38	+11 53.7	2.241	3.117	9.9	21.0
2 21	11 42.46	+12 33.5	2.169	3.109	6.7	20.8
3 2	11 33.92	+13 14.0	2.125	3.101	3.8	20.5
3 12	11 24.53	+13 49.6	2.110	3.092	3.4	20.5
3 22	11 15.16	+14 15.4	2.126	3.083	6.2	20.7
4 1	11 6.70	+14 27.9	2.169	3.073	9.5	20.8
4 11	10 59.88	+14 25.4	2.237	3.063	12.5	21.0

94502 2001 UV_{59} 3 11.0 292°.76 0°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.69	+ 1 4.6	1.454	2.250	18.5	19.8
2 11	11 48.63	+ 1 18.0	1.369	2.247	14.8	19.6
2 21	11 42.62	+ 1 49.8	1.303	2.243	10.2	19.3
3 2	11 34.22	+ 2 36.4	1.260	2.240	5.0	19.0
3 12	11 24.50	+ 3 31.0	1.244	2.237	0.5	18.6
3 22	11 14.79	+ 4 25.3	1.253	2.234	6.1	19.0
4 1	11 6.47	+ 5 11.2	1.289	2.231	11.2	19.3
4 11	11 0.58	+ 5 42.5	1.346	2.228	15.8	19.5

423459 2005 SH_{131} 3 11.0 146°.56 0°.2/10.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.88	+ 2 1.3	2.209	2.978	13.8	22.7
2 11	11 47.55	+ 2 25.8	2.123	2.987	10.9	22.5
2 21	11 41.18	+ 3 2.4	2.060	2.995	7.4	22.3
3 2	11 33.28	+ 3 47.6	2.023	3.003	3.5	22.1
3 12	11 24.62	+ 4 36.4	2.017	3.010	0.6	21.8
3 22	11 16.06	+ 5 23.4	2.040	3.017	4.5	22.1
4 1	11 8.47	+ 6 3.6	2.091	3.023	8.2	22.4
4 11	11 2.52	+ 6 33.0	2.168	3.029	11.5	22.6

361617 2007 TD_{75} 3 11.0 188°.61 1°.9/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.37	− 3 13.3	2.157	2.900	14.9	21.6
2 11	11 50.48	− 3 16.1	2.057	2.900	12.1	21.4
2 21	11 43.32	− 3 4.2	1.978	2.898	8.7	21.2
3 2	11 34.39	− 2 38.9	1.926	2.896	4.9	20.9
3 12	11 24.49	− 2 3.4	1.902	2.893	1.9	20.7
3 22	11 14.57	− 1 22.6	1.909	2.889	4.4	20.9
4 1	11 5.61	− 0 41.8	1.945	2.884	8.2	21.1
4 11	10 58.42	− 0 6.3	2.007	2.879	11.8	21.3

59743 1999 LV_{9} 3 11.0 217°.23 4°.0/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.34	+12 14.1	2.322	3.121	12.3	20.1
2 11	11 45.65	+13 31.4	2.230	3.114	9.6	19.9
2 21	11 39.97	+14 56.4	2.163	3.106	6.6	19.7
3 2	11 32.74	+16 22.6	2.125	3.097	4.3	19.6
3 12	11 24.67	+17 42.2	2.116	3.088	4.6	19.6
3 22	11 16.59	+18 48.7	2.136	3.078	7.2	19.7
4 1	11 9.35	+19 37.3	2.183	3.068	10.3	19.9
4 11	11 3.65	+20 5.8	2.253	3.057	13.1	20.1

395762 2012 VS_{39} 3 11.0 124°.92 1°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 56.01	− 3 13.3	1.619	2.383	18.2	21.6
2 11	11 51.51	− 3 4.7	1.543	2.399	14.7	21.4
2 21	11 44.24	− 2 36.3	1.486	2.414	10.4	21.1
3 2	11 34.86	− 1 50.5	1.454	2.428	5.7	20.9
3 12	11 24.45	− 0 53.0	1.450	2.441	1.8	20.7
3 22	11 14.26	+ 0 8.7	1.473	2.454	5.2	20.9
4 1	11 5.48	+ 1 6.6	1.523	2.466	9.8	21.2
4 11	10 59.02	+ 1 54.1	1.598	2.478	13.8	21.5

261033 2005 SU_{139} 3 11.0 120°.25 1°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.94	+ 4 25.1	1.939	2.727	14.8	22.0
2 11	11 47.11	+ 5 0.6	1.859	2.735	11.6	21.8
2 21	11 41.03	+ 5 48.5	1.801	2.743	7.8	21.6
3 2	11 33.25	+ 6 43.9	1.769	2.750	3.7	21.4
3 12	11 24.63	+ 7 40.4	1.766	2.757	1.6	21.2
3 22	11 16.14	+ 8 31.5	1.791	2.764	5.5	21.5
4 1	11 8.74	+ 9 11.7	1.843	2.771	9.4	21.8
4 11	11 3.18	+ 9 37.4	1.920	2.778	12.9	22.0

433214 2012 UU_{115} 3 11.0 191°.47 2°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.38	+ 8 53.2	2.351	3.138	12.5	21.6
2 11	11 47.09	+ 9 14.8	2.262	3.138	9.8	21.4
2 21	11 40.84	+ 9 42.9	2.196	3.138	6.6	21.2
3 2	11 33.12	+10 13.4	2.157	3.137	3.3	21.0
3 12	11 24.65	+10 41.4	2.148	3.136	2.4	20.9
3 22	11 16.26	+11 2.6	2.169	3.135	5.3	21.1
4 1	11 8.76	+11 13.5	2.217	3.135	8.6	21.3
4 11	11 2.82	+11 12.3	2.291	3.134	11.6	21.5

496409 2013 WL_{27} 3 11.0 176°.26 4°.4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.02	−14 10.3	2.771	3.450	13.3	22.6
2 11	11 45.82	−14 16.9	2.666	3.452	11.3	22.4
2 21	11 39.89	−14 6.2	2.582	3.455	8.9	22.3
3 2	11 32.64	−13 37.7	2.523	3.456	6.5	22.1
3 12	11 24.70	−12 53.2	2.492	3.457	4.6	22.0
3 22	11 16.76	−11 55.9	2.490	3.457	4.7	22.0
4 1	11 9.52	−10 50.8	2.518	3.456	6.7	22.1
4 11	11 3.60	− 9 43.7	2.574	3.455	9.2	22.3

13201 1997 EF_{41} 3 11.0 208°.04 1°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.47	− 3 23.6	1.650	2.421	17.7	19.1
2 11	11 48.14	− 2 59.6	1.557	2.417	14.3	18.9
2 21	11 42.13	− 2 13.8	1.483	2.413	10.2	18.6
3 2	11 33.95	− 1 8.6	1.434	2.409	5.5	18.3
3 12	11 24.55	+ 0 9.7	1.411	2.404	1.4	18.0
3 22	11 15.12	+ 1 32.8	1.416	2.398	5.3	18.3
4 1	11 6.87	+ 2 51.2	1.449	2.392	10.1	18.6
4 11	11 0.78	+ 3 56.9	1.505	2.386	14.5	18.8

28662 Ericduran 3 11.0 13°.63 1°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.72	+ 3 49.2	1.576	2.378	17.0	18.1
2 11	11 46.76	+ 4 16.7	1.496	2.379	13.4	17.8
2 21	11 41.13	+ 4 59.3	1.436	2.381	9.1	17.6
3 2	11 33.42	+ 5 52.2	1.401	2.382	4.3	17.3
3 12	11 24.62	+ 6 48.0	1.392	2.384	1.5	17.1
3 22	11 15.93	+ 7 38.8	1.410	2.386	6.2	17.4
4 1	11 8.52	+ 8 17.7	1.453	2.389	10.8	17.7
4 11	11 3.30	+ 8 40.3	1.520	2.392	14.9	17.9

31745 1999 JN_{82} 3 11.0 257°.10 1°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 45.78	+ 3 37.8	2.356	3.140	12.6	18.8
2 11	11 42.78	+ 4 31.4	2.260	3.135	9.8	18.6
2 21	11 37.97	+ 5 37.3	2.188	3.129	6.6	18.4
3 2	11 31.76	+ 6 51.4	2.143	3.124	3.1	18.1
3 12	11 24.81	+ 8 7.5	2.127	3.118	1.6	18.0
3 22	11 17.86	+ 9 19.4	2.141	3.113	4.9	18.2
4 1	11 11.68	+10 21.4	2.184	3.107	8.4	18.4
4 11	11 6.91	+11 9.3	2.251	3.102	11.5	18.6

33438 1999 FE_{10} 3 11.0 17°.83 0°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.62	+ 2 4.9	1.150	1.972	20.8	18.2
2 11	11 46.73	+ 2 16.3	1.083	1.976	16.5	17.9
2 21	11 41.55	+ 2 48.0	1.034	1.982	11.3	17.7
3 2	11 33.73	+ 3 35.1	1.006	1.988	5.4	17.3
3 12	11 24.59	+ 4 29.2	1.002	1.996	0.8	17.0
3 22	11 15.67	+ 5 20.2	1.022	2.004	6.8	17.5
4 1	11 8.48	+ 5 59.4	1.065	2.013	12.4	17.8
4 11	11 4.08	+ 6 20.8	1.129	2.024	17.2	18.1

227869 2007 DD_{113} 3 11.0 99°.93 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.45	+ 0 36.3	1.910	2.687	15.4	21.2
2 11	11 46.79	+ 0 55.0	1.826	2.694	12.2	21.0
2 21	11 40.86	+ 1 28.4	1.764	2.700	8.4	20.8
3 2	11 33.20	+ 2 13.2	1.728	2.707	4.1	20.5
3 12	11 24.66	+ 3 3.8	1.720	2.713	0.4	20.2
3 22	11 16.23	+ 3 54.2	1.740	2.720	4.8	20.6
4 1	11 8.89	+ 4 38.3	1.787	2.726	8.9	20.8
4 11	11 3.38	+ 5 11.3	1.860	2.732	12.6	21.1

372388 2009 QB_{15} 3 11.0 235°.25 0°.8/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.23	− 0 12.6	2.233	2.990	14.0	22.8
2 11	11 48.84	− 0 7.8	2.122	2.977	11.3	22.6
2 21	11 42.26	+ 0 9.8	2.033	2.962	7.9	22.4
3 2	11 33.92	+ 0 38.3	1.972	2.947	4.1	22.1
3 12	11 24.57	+ 1 13.9	1.939	2.932	0.8	21.8
3 22	11 15.11	+ 1 51.9	1.936	2.916	4.4	22.0
4 1	11 6.48	+ 2 27.3	1.962	2.899	8.3	22.3
4 11	10 59.48	+ 2 55.3	2.014	2.882	11.9	22.4

436378 2010 OH_{109} 3 11.0 210°.77 7°.1/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.52	+25 59.6	2.587	3.391	11.0	20.9
2 11	11 45.67	+27 28.4	2.516	3.387	9.1	20.8
2 21	11 39.90	+28 54.3	2.471	3.383	7.6	20.7
3 2	11 32.68	+30 9.9	2.453	3.378	7.1	20.6
3 12	11 24.72	+31 8.4	2.463	3.373	7.9	20.7
3 22	11 16.83	+31 45.4	2.499	3.369	9.6	20.8
4 1	11 9.81	+31 59.0	2.559	3.363	11.6	20.9
4 11	11 4.32	+31 50.0	2.640	3.358	13.5	21.0

274950 2009 SH_{278} 3 11.0 198°.61 1°.7/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.02	+ 5 58.9	2.094	2.881	13.9	21.9
2 11	11 47.11	+ 6 36.5	2.002	2.879	10.8	21.7
2 21	11 41.03	+ 7 24.9	1.934	2.876	7.3	21.5
3 2	11 33.28	+ 8 19.5	1.893	2.874	3.5	21.2
3 12	11 24.65	+ 9 14.0	1.881	2.871	2.1	21.1
3 22	11 16.06	+10 2.4	1.897	2.867	5.6	21.3
4 1	11 8.43	+10 39.3	1.942	2.863	9.4	21.5
4 11	11 2.53	+11 1.7	2.010	2.859	12.7	21.8

41836 2000 WP_{58} 3 11.0 83°.85 8°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.45	+20 0.0	1.553	2.379	16.1	18.4
2 11	11 49.08	+21 36.7	1.489	2.380	12.9	18.2
2 21	11 42.79	+23 15.5	1.446	2.382	9.9	18.0
3 2	11 34.23	+24 44.7	1.429	2.384	8.3	17.9
3 12	11 24.55	+25 52.7	1.437	2.385	9.2	18.0
3 22	11 15.09	+26 31.6	1.470	2.387	12.0	18.1
4 1	11 7.12	+26 38.7	1.525	2.388	15.2	18.3
4 11	11 1.60	+26 15.8	1.600	2.390	18.2	18.6

310406 1999 RL_{198} 3 11.0 214°.82 4°.6/15.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.68	−10 50.2	2.186	2.894	15.6	21.6
2 11	11 49.30	−11 11.7	2.075	2.886	13.2	21.4
2 21	11 42.64	−11 14.7	1.985	2.877	10.3	21.1
3 2	11 34.14	−10 58.4	1.919	2.867	7.1	20.9
3 12	11 24.55	−10 23.9	1.881	2.856	4.8	20.8
3 22	11 14.83	− 9 34.9	1.872	2.845	5.4	20.8
4 1	11 5.98	− 8 37.4	1.891	2.833	8.3	20.9
4 11	10 58.85	− 7 38.4	1.937	2.820	11.6	21.1

167604 2004 BN_{146} 3 11.0 81°.82 0°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.73	+ 2 17.7	2.195	2.973	13.6	20.5
2 11	11 45.14	+ 2 40.1	2.109	2.978	10.7	20.3
2 21	11 39.57	+ 3 14.4	2.046	2.984	7.3	20.1
3 2	11 32.53	+ 3 57.1	2.009	2.989	3.5	19.8
3 12	11 24.75	+ 4 43.4	2.001	2.995	0.6	19.6
3 22	11 17.05	+ 5 27.8	2.023	3.000	4.5	19.9
4 1	11 10.27	+ 6 5.6	2.072	3.006	8.2	20.1
4 11	11 5.07	+ 6 32.8	2.146	3.012	11.4	20.4

419651 2010 TJ_{58} 3 11.0 164°.60 1°.3/ 9.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.75	+ 4 37.3	2.123	2.901	14.0	22.9
2 11	11 48.36	+ 5 17.3	2.036	2.907	10.9	22.7
2 21	11 41.82	+ 6 8.8	1.973	2.912	7.4	22.5
3 2	11 33.64	+ 7 7.4	1.936	2.917	3.5	22.3
3 12	11 24.63	+ 8 6.9	1.929	2.920	1.7	22.2
3 22	11 15.71	+ 9 0.9	1.952	2.923	5.3	22.4
4 1	11 7.79	+ 9 44.3	2.003	2.926	9.1	22.6
4 11	11 1.61	+10 13.5	2.079	2.927	12.4	22.9

456763 2007 TJ_{103} 3 11.0 12°.02 1°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.11	− 3 34.4	1.413	2.203	19.2	21.0
2 11	11 45.04	− 3 15.1	1.332	2.204	15.5	20.8
2 21	11 40.15	− 2 31.7	1.271	2.206	11.0	20.5
3 2	11 33.02	− 1 26.9	1.232	2.208	6.0	20.2
3 12	11 24.69	− 0 7.7	1.218	2.210	1.6	20.0
3 22	11 16.43	+ 1 16.2	1.230	2.213	5.6	20.2
4 1	11 9.53	+ 2 34.5	1.267	2.217	10.6	20.5
4 11	11 4.95	+ 3 38.5	1.327	2.221	15.2	20.8

252601 2001 XF_{44} 3 11.0 22°.88 1°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.43	− 0 21.2	1.573	2.357	17.8	19.8
2 11	11 48.86	− 0 43.7	1.494	2.362	14.3	19.5
2 21	11 42.56	− 0 51.0	1.434	2.368	10.1	19.3
3 2	11 34.12	− 0 44.7	1.398	2.374	5.5	19.0
3 12	11 24.58	− 0 28.6	1.388	2.380	1.7	18.8
3 22	11 15.17	− 0 8.0	1.405	2.387	5.2	19.1
4 1	11 7.10	+ 0 11.2	1.448	2.395	9.8	19.3
4 11	11 1.29	+ 0 23.8	1.515	2.403	13.9	19.6

492622 2014 OJ_{260} 3 11.0 304°.03 3°.9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.81	+ 9 44.9	1.361	2.182	18.2	21.2
2 11	11 49.84	+10 20.8	1.277	2.172	14.4	20.9
2 21	11 43.65	+11 8.6	1.213	2.162	9.8	20.6
3 2	11 34.81	+12 0.9	1.172	2.152	5.3	20.3
3 12	11 24.49	+12 47.9	1.157	2.143	4.4	20.3
3 22	11 14.16	+13 20.6	1.166	2.134	8.7	20.5
4 1	11 5.34	+13 32.9	1.200	2.125	13.6	20.7
4 11	10 59.18	+13 22.3	1.254	2.116	18.0	21.0

88041 2000 UM_{102} 3 11.0 202°.04 0°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.08	− 1 8.0	2.926	3.674	11.2	20.4
2 11	11 44.16	− 0 55.9	2.822	3.671	9.0	20.2
2 21	11 38.70	− 0 33.2	2.741	3.667	6.3	20.0
3 2	11 32.07	− 0 1.9	2.688	3.663	3.3	19.8
3 12	11 24.82	+ 0 35.1	2.666	3.658	0.8	19.6
3 22	11 17.57	+ 1 14.1	2.673	3.653	3.3	19.8
4 1	11 10.95	+ 1 51.2	2.711	3.648	6.3	20.0
4 11	11 5.50	+ 2 23.0	2.775	3.643	9.1	20.1

147303 2003 AG_{65} 3 11.0 139°.47 6°.4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.98	+20 46.0	2.166	2.968	13.0	20.0
2 11	11 50.07	+22 1.0	2.102	2.980	10.3	19.8
2 21	11 42.92	+23 15.5	2.063	2.991	7.9	19.7
3 2	11 34.14	+24 21.2	2.051	3.002	6.4	19.6
3 12	11 24.60	+25 10.9	2.067	3.012	7.1	19.7
3 22	11 15.30	+25 39.5	2.111	3.022	9.2	19.8
4 1	11 7.17	+25 45.2	2.181	3.031	11.7	20.0
4 11	11 0.92	+25 29.0	2.272	3.040	14.1	20.2

338383 2002 YU_{36} 3 11.0 165°.08 4°.4/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.71	−14 25.3	2.871	3.548	12.9	22.0
2 11	11 44.73	−14 36.3	2.769	3.553	11.0	21.8
2 21	11 39.13	−14 30.8	2.687	3.557	8.7	21.7
3 2	11 32.29	−14 8.3	2.631	3.561	6.4	21.5
3 12	11 24.80	−13 30.4	2.602	3.565	4.6	21.4
3 22	11 17.33	−12 40.0	2.603	3.567	4.7	21.4
4 1	11 10.53	−11 41.7	2.633	3.570	6.5	21.6
4 11	11 4.98	−10 40.8	2.690	3.572	8.8	21.7

281545 2008 UZ_{30} 3 11.0 73°.77 1°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.94	+ 5 59.6	2.046	2.839	13.9	21.5
2 11	11 45.48	+ 6 37.7	1.962	2.842	10.9	21.3
2 21	11 39.91	+ 7 26.6	1.902	2.845	7.3	21.1
3 2	11 32.73	+ 8 21.3	1.867	2.848	3.5	20.9
3 12	11 24.75	+ 9 15.6	1.862	2.852	2.1	20.8
3 22	11 16.87	+10 3.5	1.884	2.855	5.6	21.0
4 1	11 9.97	+10 39.8	1.934	2.858	9.3	21.2
4 11	11 4.77	+11 1.4	2.009	2.862	12.6	21.4

435247 2007 TX_{34} 3 11.0 63°.00 4°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.28	+16 16.2	2.098	2.903	13.2	21.2
2 11	11 47.92	+17 0.0	2.033	2.917	10.3	21.0
2 21	11 41.43	+17 45.6	1.992	2.931	7.3	20.9
3 2	11 33.40	+18 26.7	1.977	2.945	5.0	20.7
3 12	11 24.69	+18 56.8	1.991	2.960	5.2	20.8
3 22	11 16.24	+19 11.6	2.032	2.974	7.6	21.0
4 1	11 8.93	+19 8.9	2.100	2.988	10.5	21.2
4 11	11 3.41	+18 48.9	2.191	3.003	13.2	21.4

136304 2004 BB_{24} 3 11.0 339°.46 3°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.04	+10 58.6	2.096	2.903	13.2	20.2
2 11	11 44.02	+12 6.0	2.013	2.902	10.2	20.0
2 21	11 38.93	+13 21.7	1.955	2.900	7.0	19.8
3 2	11 32.28	+14 39.0	1.923	2.899	4.2	19.6
3 12	11 24.81	+15 50.4	1.920	2.898	4.3	19.6
3 22	11 17.42	+16 49.1	1.945	2.897	7.1	19.8
4 1	11 10.95	+17 30.3	1.997	2.896	10.4	20.0
4 11	11 6.13	+17 51.8	2.071	2.896	13.4	20.2

316342 2010 RH_{141} 3 11.0 235°.59 1°.6/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.43	− 3 31.3	1.857	2.620	16.2	21.9
2 11	11 47.07	− 3 15.1	1.756	2.611	13.2	21.7
2 21	11 41.28	− 2 39.8	1.675	2.602	9.4	21.4
3 2	11 33.53	− 1 47.3	1.619	2.593	5.2	21.1
3 12	11 24.67	− 0 42.4	1.591	2.583	1.6	20.9
3 22	11 15.72	+ 0 28.1	1.591	2.573	4.8	21.1
4 1	11 7.77	+ 1 36.2	1.619	2.562	9.3	21.3
4 11	11 1.73	+ 2 35.0	1.671	2.552	13.3	21.5

496700 2016 EG_{129} 3 11.0 18°.38 0°.3/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.77	+ 1 28.9	1.379	2.184	18.9	21.0
2 11	11 47.12	+ 1 29.3	1.306	2.188	15.0	20.7
2 21	11 41.55	+ 1 46.8	1.252	2.194	10.4	20.5
3 2	11 33.69	+ 2 17.9	1.220	2.200	5.1	20.2
3 12	11 24.66	+ 2 56.4	1.214	2.207	0.5	19.8
3 22	11 15.81	+ 3 34.8	1.233	2.215	5.9	20.2
4 1	11 8.44	+ 4 5.9	1.278	2.224	10.9	20.6
4 11	11 3.50	+ 4 24.2	1.344	2.233	15.3	20.8

166794 2002 VT_{49} 3 11.0 113°.23 4°.9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.00	+17 16.2	2.403	3.206	11.8	20.2
2 11	11 45.95	+18 22.5	2.335	3.218	9.2	20.0
2 21	11 40.02	+19 30.4	2.293	3.229	6.7	19.9
3 2	11 32.71	+20 33.6	2.278	3.240	5.0	19.8
3 12	11 24.78	+21 25.6	2.292	3.251	5.5	19.8
3 22	11 17.01	+22 1.8	2.334	3.262	7.6	20.0
4 1	11 10.17	+22 19.6	2.403	3.272	10.1	20.1
4 11	11 4.89	+22 18.7	2.495	3.282	12.4	20.3

341274 2007 RD_{281} 3 11.0 71°.28 3°.8/14.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.91	− 8 10.1	2.217	2.938	15.1	20.4
2 11	11 49.07	− 8 43.7	2.141	2.962	12.5	20.3
2 21	11 42.17	− 9 1.3	2.086	2.986	9.4	20.1
3 2	11 33.77	− 9 3.0	2.057	3.010	6.2	19.9
3 12	11 24.67	− 8 50.5	2.055	3.033	4.0	19.8
3 22	11 15.75	− 8 27.3	2.083	3.057	4.7	19.9
4 1	11 7.87	− 7 58.1	2.139	3.080	7.5	20.1
4 11	11 1.69	− 7 28.3	2.221	3.103	10.4	20.4

56179 1999 FS_{26} 3 11.0 288°.51 2°.7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.11	+ 8 18.1	1.823	2.624	15.1	19.5
2 11	11 47.78	+ 8 52.6	1.718	2.602	11.9	19.3
2 21	11 41.89	+ 9 38.1	1.634	2.579	8.1	19.0
3 2	11 33.89	+10 29.2	1.576	2.557	4.2	18.7
3 12	11 24.64	+11 19.0	1.546	2.534	3.2	18.6
3 22	11 15.21	+12 0.0	1.544	2.511	7.0	18.8
4 1	11 6.77	+12 26.4	1.567	2.488	11.3	19.0
4 11	11 0.32	+12 34.7	1.614	2.465	15.2	19.1

326318 1999 VK_{85} 3 11.0 179°.86 4°.9/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.30	+21 38.8	3.182	3.971	9.5	21.9
2 11	11 47.34	+22 46.5	3.104	3.973	7.6	21.8
2 21	11 40.79	+23 53.5	3.053	3.975	5.9	21.7
3 2	11 33.06	+24 54.2	3.030	3.975	4.9	21.6
3 12	11 24.75	+25 43.6	3.038	3.975	5.5	21.7
3 22	11 16.51	+26 18.0	3.075	3.973	7.1	21.8
4 1	11 8.98	+26 35.6	3.140	3.971	9.0	21.9
4 11	11 2.71	+26 36.2	3.228	3.969	10.8	22.0

338031 2002 GJ_{179} 3 11.0 213°.14 7°.7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.13	+30 6.6	2.767	3.555	10.8	20.9
2 11	11 49.23	+31 31.1	2.693	3.546	9.2	20.8
2 21	11 42.33	+32 50.4	2.645	3.537	8.0	20.7
3 2	11 33.89	+33 57.1	2.623	3.527	7.7	20.7
3 12	11 24.66	+34 44.8	2.630	3.516	8.5	20.7
3 22	11 15.48	+35 9.7	2.662	3.504	10.0	20.8
4 1	11 7.21	+35 10.4	2.719	3.492	11.8	20.9
4 11	11 0.53	+34 48.4	2.795	3.479	13.5	21.0

343641 2010 JV_{38} 3 11.0 172°.00 4°.8/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.39	+18 14.4	2.459	3.257	11.7	21.7
2 11	11 47.82	+19 0.0	2.380	3.258	9.2	21.6
2 21	11 41.31	+19 46.3	2.325	3.260	6.7	21.4
3 2	11 33.37	+20 27.5	2.298	3.261	5.0	21.3
3 12	11 24.73	+20 57.8	2.301	3.261	5.3	21.3
3 22	11 16.22	+21 13.2	2.331	3.262	7.4	21.4
4 1	11 8.65	+21 11.5	2.389	3.262	10.0	21.6
4 11	11 2.65	+20 52.7	2.470	3.262	12.4	21.8

238787 2005 JX_{180} 3 11.0 83°.88 3°.8/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.74	+13 31.8	2.201	3.002	12.8	20.4
2 11	11 46.76	+14 14.2	2.120	3.003	10.0	20.2
2 21	11 40.72	+15 1.1	2.062	3.004	6.9	20.0
3 2	11 33.12	+15 46.5	2.032	3.006	4.3	19.8
3 12	11 24.76	+16 24.4	2.031	3.007	4.3	19.8
3 22	11 16.52	+16 49.8	2.057	3.008	6.9	20.0
4 1	11 9.25	+16 59.5	2.111	3.009	10.0	20.2
4 11	11 3.65	+16 52.5	2.188	3.010	12.8	20.3

113800 2002 TG_{204} 3 11.0 164°.30 3°.8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.52	+ 9 14.2	1.651	2.454	16.3	20.1
2 11	11 50.43	+10 20.3	1.574	2.459	12.7	19.9
2 21	11 43.61	+11 38.2	1.519	2.464	8.6	19.7
3 2	11 34.65	+12 59.9	1.489	2.467	4.8	19.4
3 12	11 24.60	+14 15.6	1.488	2.470	4.4	19.4
3 22	11 14.69	+15 16.5	1.514	2.473	8.0	19.6
4 1	11 6.13	+15 56.8	1.566	2.475	12.1	19.9
4 11	10 59.84	+16 14.1	1.640	2.476	15.8	20.1

363527 2003 UV_{226} 3 11.0 192°.98 1°.9/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.86	− 4 38.8	2.222	2.963	14.6	22.4
2 11	11 48.49	− 4 28.2	2.120	2.961	11.8	22.2
2 21	11 41.98	− 4 1.2	2.040	2.958	8.6	22.0
3 2	11 33.80	− 3 19.4	1.985	2.954	4.9	21.8
3 12	11 24.69	− 2 26.4	1.960	2.950	2.0	21.5
3 22	11 15.56	− 1 27.5	1.964	2.945	4.2	21.7
4 1	11 7.32	− 0 28.9	1.998	2.939	8.0	21.9
4 11	11 0.74	+ 0 23.7	2.057	2.932	11.4	22.1

372540 2009 TN_9 3 11.0 165°.54 1°.6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.65	+ 6 23.7	2.131	2.915	13.8	21.9
2 11	11 48.30	+ 6 50.9	2.044	2.918	10.8	21.7
2 21	11 41.80	+ 7 27.6	1.980	2.921	7.2	21.4
3 2	11 33.67	+ 8 9.3	1.943	2.924	3.5	21.2
3 12	11 24.72	+ 8 50.6	1.936	2.926	1.9	21.1
3 22	11 15.85	+ 9 25.9	1.957	2.928	5.4	21.3
4 1	11 7.98	+ 9 51.0	2.006	2.929	9.1	21.6
4 11	11 1.84	+10 3.0	2.080	2.930	12.3	21.8

45724 2000 GJ_{68} 3 11.0 185°.38 3°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.27	+14 57.0	2.512	3.308	11.6	19.1
2 11	11 46.92	+15 41.9	2.428	3.308	9.0	18.9
2 21	11 40.70	+16 29.9	2.369	3.308	6.4	18.8
3 2	11 33.09	+17 15.5	2.337	3.307	4.2	18.6
3 12	11 24.78	+17 53.3	2.335	3.306	4.3	18.6
3 22	11 16.57	+18 18.8	2.362	3.305	6.6	18.8
4 1	11 9.21	+18 29.2	2.416	3.303	9.3	18.9
4 11	11 3.35	+18 23.7	2.495	3.301	11.9	19.1

521146 2015 FE_{406} 3 11.0 170°.94 1°.9/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.70	+ 8 53.9	2.673	3.455	11.3	21.8
2 11	11 46.31	+ 9 19.9	2.583	3.457	8.8	21.7
2 21	11 40.21	+ 9 51.8	2.518	3.459	5.9	21.5
3 2	11 32.83	+10 25.7	2.481	3.461	3.0	21.3
3 12	11 24.82	+10 57.2	2.475	3.462	2.2	21.2
3 22	11 16.88	+11 22.6	2.498	3.463	4.8	21.4
4 1	11 9.71	+11 38.5	2.550	3.464	7.8	21.6
4 11	11 3.91	+11 43.1	2.628	3.464	10.5	21.8

165347 Philplait 3 11.0 8°.83 2°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.07	+ 6 44.8	1.225	2.053	19.4	19.7
2 11	11 46.98	+ 7 15.3	1.155	2.054	15.2	19.4
2 21	11 41.68	+ 8 1.0	1.104	2.056	10.3	19.1
3 2	11 33.84	+ 8 55.0	1.076	2.058	5.0	18.8
3 12	11 24.70	+ 9 47.4	1.072	2.062	3.2	18.7
3 22	11 15.75	+10 28.8	1.092	2.067	7.9	19.0
4 1	11 8.43	+10 52.2	1.136	2.072	13.1	19.3
4 11	11 3.81	+10 54.1	1.199	2.078	17.5	19.6

153980 2002 AG_{112} 3 11.0 109°.96 5°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.56	−14 28.1	2.627	3.306	13.9	20.1
2 11	11 46.37	−15 7.5	2.530	3.313	11.9	19.9
2 21	11 40.35	−15 30.7	2.454	3.320	9.6	19.8
3 2	11 32.95	−15 36.2	2.402	3.327	7.2	19.6
3 12	11 24.80	−15 24.7	2.377	3.334	5.5	19.5
3 22	11 16.66	−14 58.5	2.381	3.340	5.5	19.5
4 1	11 9.28	−14 21.7	2.413	3.346	7.2	19.7
4 11	11 3.29	−13 39.5	2.472	3.353	9.5	19.8

76301 2000 EL_{133} 3 11.0 5°.92 0°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.92	+ 1 53.7	2.094	2.873	14.1	19.7
2 11	11 45.46	+ 2 11.9	2.004	2.873	11.2	19.5
2 21	11 39.92	+ 2 42.8	1.936	2.873	7.7	19.3
3 2	11 32.79	+ 3 23.0	1.894	2.873	3.7	19.0
3 12	11 24.82	+ 4 7.8	1.880	2.874	0.5	18.8
3 22	11 16.90	+ 4 51.5	1.895	2.874	4.6	19.1
4 1	11 9.92	+ 5 28.9	1.938	2.874	8.5	19.3
4 11	11 4.59	+ 5 55.9	2.006	2.875	11.9	19.5

89773 2002 AJ_{84} 3 11.0 312°.13 5°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 44.65	+13 39.6	2.045	2.863	13.0	18.7
2 11	11 42.45	+15 11.3	1.944	2.837	10.2	18.5
2 21	11 38.11	+16 52.8	1.867	2.811	7.3	18.2
3 2	11 32.02	+18 36.4	1.816	2.786	5.3	18.1
3 12	11 24.89	+20 12.6	1.794	2.760	6.0	18.0
3 22	11 17.63	+21 32.8	1.800	2.735	8.9	18.2
4 1	11 11.19	+22 30.8	1.830	2.710	12.2	18.3
4 11	11 6.41	+23 3.7	1.882	2.686	15.3	18.5

242609 2005 JE_{98} 3 11.0 328°.93 1°.6/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.94	+ 5 9.7	1.984	2.780	14.2	20.8
2 11	11 44.10	+ 5 47.9	1.892	2.774	11.1	20.6
2 21	11 39.10	+ 6 38.3	1.823	2.768	7.5	20.4
3 2	11 32.43	+ 7 36.2	1.780	2.762	3.6	20.1
3 12	11 24.87	+ 8 35.3	1.765	2.756	1.9	20.0
3 22	11 17.33	+ 9 28.9	1.778	2.751	5.6	20.2
4 1	11 10.72	+10 11.2	1.818	2.746	9.5	20.4
4 11	11 5.82	+10 38.5	1.882	2.741	13.0	20.6

459094 2012 BO_{88} 3 11.0 88°.82 0°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.10	+ 0 55.5	1.674	2.452	17.1	21.7
2 11	11 50.67	+ 0 59.0	1.601	2.468	13.6	21.5
2 21	11 43.62	+ 1 17.5	1.549	2.485	9.4	21.2
3 2	11 34.60	+ 1 47.7	1.523	2.501	4.7	21.0
3 12	11 24.65	+ 2 24.1	1.523	2.517	0.6	20.7
3 22	11 14.96	+ 3 0.7	1.552	2.532	5.2	21.1
4 1	11 6.64	+ 3 31.4	1.608	2.548	9.6	21.4
4 11	11 0.52	+ 3 51.8	1.688	2.563	13.5	21.7

112354 2002 NE_{13} 3 11.0 281°.82 2°.0/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.67	+ 4 50.1	1.642	2.444	16.4	20.2
2 11	11 46.90	+ 5 33.5	1.542	2.427	13.0	19.9
2 21	11 41.44	+ 6 33.1	1.464	2.409	8.8	19.6
3 2	11 33.74	+ 7 43.9	1.410	2.392	4.3	19.3
3 12	11 24.73	+ 8 57.6	1.383	2.374	2.4	19.1
3 22	11 15.56	+10 5.2	1.384	2.356	6.9	19.4
4 1	11 7.49	+10 58.5	1.410	2.338	11.6	19.6
4 11	11 1.56	+11 32.3	1.458	2.321	15.9	19.8

184440 2005 NX_{31} 3 11.0 78°.10 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.75	− 4 7.0	1.728	2.498	17.0	19.7
2 11	11 45.66	− 3 29.0	1.654	2.513	13.6	19.5
2 21	11 40.19	− 2 29.7	1.599	2.529	9.6	19.3
3 2	11 32.94	− 1 12.8	1.570	2.545	5.1	19.0
3 12	11 24.84	+ 0 14.7	1.568	2.560	1.3	18.8
3 22	11 16.92	+ 1 44.3	1.594	2.576	4.8	19.1
4 1	11 10.19	+ 3 7.1	1.647	2.591	9.1	19.4
4 11	11 5.42	+ 4 16.2	1.725	2.606	12.9	19.6

139807 2001 RJ_{17} 3 11.0 59°.02 3°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.77	+11 26.9	2.190	2.986	13.0	19.2
2 11	11 47.53	+11 53.5	2.110	2.991	10.1	19.1
2 21	11 41.22	+12 25.2	2.053	2.996	6.9	18.9
3 2	11 33.38	+12 57.0	2.023	3.001	3.8	18.7
3 12	11 24.80	+13 23.5	2.022	3.006	3.3	18.6
3 22	11 16.36	+13 40.2	2.050	3.011	6.1	18.8
4 1	11 8.93	+13 44.1	2.106	3.016	9.4	19.0
4 11	11 3.18	+13 33.8	2.185	3.021	12.3	19.2

49686 1999 TP_{154} 3 11.0 127°.14 5°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.18	+12 47.6	1.425	2.242	17.7	19.4
2 11	11 52.16	+13 45.9	1.356	2.248	13.9	19.2
2 21	11 44.99	+14 52.6	1.308	2.253	9.7	19.0
3 2	11 35.38	+15 58.3	1.284	2.259	6.0	18.8
3 12	11 24.58	+16 52.4	1.286	2.264	5.9	18.8
3 22	11 14.04	+17 26.5	1.315	2.269	9.5	19.0
4 1	11 5.15	+17 36.1	1.367	2.274	13.7	19.3
4 11	10 58.90	+17 21.2	1.441	2.278	17.5	19.5

438867 2009 FB_{75} 3 11.0 295°.96 4°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.01	− 6 27.9	1.148	1.941	22.6	20.7
2 11	11 47.59	− 6 48.8	1.056	1.926	18.8	20.4
2 21	11 42.67	− 6 41.8	0.981	1.910	14.2	20.1
3 2	11 34.64	− 6 4.9	0.925	1.895	8.8	19.7
3 12	11 24.63	− 5 1.1	0.892	1.880	4.4	19.4
3 22	11 14.28	− 3 39.1	0.882	1.866	7.0	19.5
4 1	11 5.42	− 2 11.8	0.894	1.851	12.8	19.7
4 11	10 59.55	− 0 52.9	0.927	1.837	18.4	20.0

33363 1999 BO_{4} 3 11.0 214°.18 3°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.28	− 6 20.0	2.393	3.117	14.1	19.4
2 11	11 49.52	− 6 38.7	2.282	3.109	11.6	19.2
2 21	11 42.68	− 6 43.3	2.194	3.100	8.7	19.0
3 2	11 34.17	− 6 33.7	2.131	3.091	5.5	18.7
3 12	11 24.71	− 6 11.9	2.097	3.081	3.1	18.6
3 22	11 15.15	− 5 41.2	2.093	3.071	4.4	18.6
4 1	11 6.39	− 5 6.2	2.119	3.060	7.6	18.8
4 11	10 59.18	− 4 32.1	2.171	3.048	10.8	19.0

201912 2004 BB_{116} 3 11.0 178°.96 5°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.34	+17 34.2	2.224	3.033	12.4	20.0
2 11	11 45.73	+18 43.7	2.148	3.033	9.8	19.8
2 21	11 40.06	+19 55.7	2.096	3.033	7.2	19.6
3 2	11 32.85	+21 3.0	2.072	3.033	5.5	19.5
3 12	11 24.86	+21 58.4	2.075	3.033	6.0	19.6
3 22	11 16.98	+22 36.5	2.107	3.033	8.3	19.7
4 1	11 10.06	+22 54.2	2.163	3.033	11.0	19.9
4 11	11 4.80	+22 51.2	2.243	3.033	13.6	20.0

53887 2000 FS_{40} 3 11.1 326°.12 0°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.02	− 2 15.4	1.718	2.501	16.6	19.2
2 11	11 43.72	− 1 10.1	1.629	2.499	13.2	18.9
2 21	11 39.03	+ 0 18.3	1.560	2.498	9.1	18.7
3 2	11 32.47	+ 2 5.2	1.517	2.497	4.5	18.4
3 12	11 24.90	+ 4 1.8	1.502	2.496	0.5	18.1
3 22	11 17.36	+ 5 57.6	1.515	2.494	5.4	18.4
4 1	11 10.89	+ 7 42.2	1.556	2.493	10.1	18.7
4 11	11 6.33	+ 9 7.9	1.620	2.492	14.1	18.9

51843 2001 OF_{83} 3 11.1 359°.37 1°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.62	+ 8 38.7	1.773	2.568	15.7	17.7
2 11	11 51.12	+ 8 24.5	1.687	2.566	12.3	17.5
2 21	11 44.00	+ 8 16.4	1.623	2.565	8.4	17.3
3 2	11 34.85	+ 8 10.7	1.584	2.565	4.1	17.0
3 12	11 24.66	+ 8 3.0	1.573	2.565	1.9	16.9
3 22	11 14.60	+ 7 49.4	1.591	2.565	5.9	17.1
4 1	11 5.80	+ 7 27.2	1.635	2.567	10.1	17.4
4 11	10 59.15	+ 6 54.9	1.704	2.569	13.9	17.6

236189 2005 WK_{36} 3 11.1 310°.25 3°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.96	+ 7 3.1	1.329	2.150	18.5	20.6
2 11	11 47.66	+ 7 51.7	1.246	2.141	14.6	20.3
2 21	11 42.22	+ 8 56.8	1.183	2.133	9.9	20.1
3 2	11 34.20	+10 11.1	1.143	2.124	5.0	19.7
3 12	11 24.73	+11 24.0	1.128	2.116	3.8	19.6
3 22	11 15.24	+12 24.8	1.138	2.108	8.4	19.9
4 1	11 7.21	+13 5.0	1.172	2.101	13.5	20.1
4 11	11 1.78	+13 20.7	1.227	2.094	18.0	20.4

430895 2005 RO_{44} 3 11.1 139°.15 1°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.06	+ 4 49.1	2.407	3.185	12.5	21.7
2 11	11 45.97	+ 5 57.4	2.327	3.199	9.7	21.5
2 21	11 40.06	+ 7 16.8	2.272	3.212	6.5	21.3
3 2	11 32.81	+ 8 42.0	2.245	3.225	3.1	21.1
3 12	11 24.89	+10 6.4	2.248	3.237	2.1	21.1
3 22	11 17.10	+11 23.7	2.283	3.249	5.2	21.3
4 1	11 10.17	+12 28.4	2.346	3.259	8.4	21.5
4 11	11 4.71	+13 17.3	2.435	3.269	11.3	21.7

14688 2000 AJ_{2} 3 11.1 147°.03 3°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.37	− 4 47.8	1.969	2.710	16.2	18.1
2 11	11 51.47	− 5 15.0	1.878	2.716	13.2	17.9
2 21	11 44.13	− 5 26.8	1.808	2.723	9.7	17.7
3 2	11 34.90	− 5 23.6	1.764	2.729	5.9	17.5
3 12	11 24.67	− 5 7.4	1.748	2.734	3.1	17.3
3 22	11 14.49	− 4 42.5	1.760	2.739	4.8	17.4
4 1	11 5.43	− 4 14.0	1.801	2.744	8.6	17.7
4 11	10 58.32	− 3 47.5	1.868	2.748	12.1	17.9

212017 2005 CP_{11} 3 11.1 40°.93 0°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.42	+ 2 36.6	1.274	2.083	19.9	20.4
2 11	11 49.32	+ 2 43.1	1.212	2.097	15.7	20.2
2 21	11 43.08	+ 3 6.9	1.168	2.112	10.7	19.9
3 2	11 34.46	+ 3 43.3	1.147	2.128	5.1	19.7
3 12	11 24.72	+ 4 24.8	1.151	2.144	0.7	19.4
3 22	11 15.34	+ 5 3.2	1.180	2.161	6.3	19.8
4 1	11 7.65	+ 5 31.4	1.234	2.178	11.4	20.2
4 11	11 2.61	+ 5 44.9	1.309	2.196	15.8	20.5

315962 2008 UY_{202} 3 11.1 170°.25 11°.9/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.52	−25 39.6	1.357	2.029	25.1	21.4
2 11	11 49.19	−26 25.9	1.272	2.032	22.6	21.1
2 21	11 43.47	−26 33.3	1.199	2.035	19.5	20.9
3 2	11 34.89	−25 53.6	1.142	2.037	16.1	20.7
3 12	11 24.65	−24 23.6	1.105	2.038	13.1	20.5
3 22	11 14.35	−22 8.1	1.091	2.038	11.9	20.5
4 1	11 5.64	−19 20.4	1.100	2.038	13.2	20.5
4 11	10 59.80	−16 20.1	1.133	2.038	16.3	20.7

368222 2001 TU_{83} 3 11.1 234°.35 1°.7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.70	− 3 41.7	2.278	3.023	14.1	22.3
2 11	11 47.65	− 3 33.7	2.165	3.009	11.5	22.1
2 21	11 41.50	− 3 10.3	2.074	2.995	8.3	21.8
3 2	11 33.65	− 2 33.0	2.008	2.979	4.7	21.6
3 12	11 24.80	− 1 45.0	1.972	2.963	1.7	21.4
3 22	11 15.83	− 0 51.4	1.965	2.946	4.2	21.5
4 1	11 7.65	+ 0 2.2	1.988	2.929	8.0	21.7
4 11	11 1.03	+ 0 50.0	2.036	2.911	11.5	21.9

210850 2001 QX_{267} 3 11.1 108°.09 0°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.57	− 2 1.0	2.584	3.337	12.4	21.0
2 11	11 43.89	− 1 24.8	2.502	3.354	9.8	20.9
2 21	11 38.57	− 0 35.5	2.443	3.371	6.8	20.7
3 2	11 32.06	+ 0 24.2	2.412	3.387	3.5	20.5
3 12	11 24.99	+ 1 29.5	2.410	3.403	0.6	20.3
3 22	11 18.03	+ 2 35.4	2.439	3.419	3.6	20.5
4 1	11 11.85	+ 3 36.7	2.497	3.434	6.8	20.8
4 11	11 6.99	+ 4 29.1	2.582	3.449	9.7	21.0

504245 2006 UP_{280} 3 11.1 176°.33 2°.5/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.58	− 7 52.1	2.753	3.476	12.4	22.4
2 11	11 43.15	− 7 39.7	2.651	3.477	10.2	22.3
2 21	11 38.12	− 7 12.2	2.572	3.478	7.6	22.1
3 2	11 31.88	− 6 30.8	2.518	3.479	4.8	21.9
3 12	11 25.00	− 5 38.3	2.494	3.479	2.6	21.8
3 22	11 18.14	− 4 38.8	2.500	3.479	3.6	21.8
4 1	11 11.95	− 3 37.3	2.535	3.479	6.3	22.0
4 11	11 6.99	− 2 38.8	2.597	3.479	9.1	22.2

387214 2012 TX_{321} 3 11.1 105°.94 3°.7/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.75	+12 51.2	2.524	3.324	11.4	21.2
2 11	11 44.12	+14 0.5	2.454	3.337	8.8	21.1
2 21	11 38.77	+15 14.5	2.408	3.350	6.1	20.9
3 2	11 32.17	+16 27.4	2.391	3.363	3.9	20.8
3 12	11 24.98	+17 33.1	2.404	3.375	4.2	20.8
3 22	11 17.92	+18 26.3	2.445	3.388	6.4	21.0
4 1	11 11.68	+19 3.7	2.514	3.400	9.1	21.2
4 11	11 6.84	+19 23.8	2.607	3.412	11.5	21.4

295314 2008 GM_{130} 3 11.1 0°.61 3°.9/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 45.18	− 7 56.6	1.434	2.209	19.7	20.8
2 11	11 43.58	− 8 1.9	1.350	2.207	16.3	20.5
2 21	11 39.23	− 7 41.2	1.284	2.206	12.2	20.3
3 2	11 32.68	− 6 54.7	1.240	2.205	7.7	20.0
3 12	11 24.91	− 5 46.7	1.219	2.206	4.1	19.8
3 22	11 17.17	− 4 25.4	1.225	2.208	5.7	19.9
4 1	11 10.71	− 3 1.2	1.255	2.210	10.1	20.2
4 11	11 6.51	− 1 44.6	1.308	2.213	14.5	20.4

367883 2011 UP_{57} 3 11.1 298°.28 5°.4/ 6.9 18

2 1	11 53.46	+13 13.6	1.449	2.270	17.3	20.0
2 11	11 50.15	+14 7.3	1.370	2.264	13.6	19.7
2 21	11 43.76	+15 9.5	1.311	2.258	9.5	19.5
3 2	11 34.88	+16 11.3	1.277	2.252	6.0	19.3
3 12	11 24.69	+17 2.1	1.269	2.247	6.0	19.2
3 22	11 14.57	+17 33.5	1.286	2.241	9.6	19.4
4 1	11 5.95	+17 40.4	1.327	2.236	13.9	19.7
4 11	10 59.89	+17 22.4	1.389	2.230	17.8	19.9

327348 2005 UA_{199} 3 11.1 260°.96 2°.9/13.9 17

2 1	11 47.91	− 7 35.3	1.935	2.681	16.2	21.5
2 11	11 45.03	− 7 24.4	1.832	2.673	13.4	21.2
2 21	11 39.87	− 6 52.3	1.750	2.665	10.0	21.0
3 2	11 32.90	− 5 59.9	1.692	2.657	6.1	20.7
3 12	11 24.90	− 4 51.0	1.661	2.648	3.1	20.5
3 22	11 16.82	− 3 32.0	1.658	2.640	4.7	20.6
4 1	11 9.69	− 2 10.8	1.683	2.631	8.6	20.8
4 11	11 4.33	− 0 55.6	1.733	2.623	12.4	21.0

81246 2000 FH_{34} 3 11.1 39°.65 9°.7/ 2.8 18

2 1	11 53.06	+23 39.3	1.438	2.268	16.9	18.6
2 11	11 49.72	+25 14.5	1.388	2.278	13.8	18.4
2 21	11 43.29	+26 46.1	1.359	2.288	11.0	18.3
3 2	11 34.53	+28 1.6	1.354	2.299	9.7	18.2
3 12	11 24.75	+28 49.9	1.373	2.310	10.7	18.3
3 22	11 15.39	+29 4.9	1.416	2.321	13.2	18.5
4 1	11 7.77	+28 46.2	1.480	2.333	16.1	18.7
4 11	11 2.74	+27 57.5	1.562	2.346	18.8	18.9

266301 2007 BT_{101} 3 11.1 18°.89 8°.8/ 2.9 18

2 1	11 49.22	+20 49.9	1.457	2.292	16.4	19.6
2 11	11 46.71	+22 29.3	1.400	2.296	13.2	19.4
2 21	11 41.27	+24 9.2	1.365	2.301	10.3	19.2
3 2	11 33.59	+25 37.3	1.354	2.307	8.8	19.2
3 12	11 24.85	+26 42.0	1.368	2.313	9.8	19.2
3 22	11 16.39	+27 15.8	1.405	2.320	12.5	19.4
4 1	11 9.48	+27 16.4	1.464	2.328	15.6	19.6
4 11	11 5.00	+26 46.4	1.542	2.337	18.5	19.8

379903 2012 JF_{25} 3 11.1 258°.32 6°.0/ 4.8 17

2 1	11 52.25	+18 1.3	2.029	2.838	13.5	21.2
2 11	11 48.40	+19 11.4	1.939	2.824	10.7	21.0
2 21	11 42.16	+20 25.1	1.873	2.809	8.0	20.8
3 2	11 34.01	+21 34.4	1.833	2.793	6.1	20.6
3 12	11 24.82	+22 30.8	1.820	2.778	6.8	20.6
3 22	11 15.59	+23 7.7	1.835	2.762	9.3	20.7
4 1	11 7.40	+23 21.3	1.876	2.746	12.4	20.9
4 11	11 1.10	+23 11.2	1.938	2.730	15.3	21.1

323685 2005 GC_{6} 3 11.1 356°.22 2°.8/ 7.5 17

2 1	11 45.75	+11 42.7	2.709	3.507	10.8	20.3
2 11	11 42.52	+12 21.5	2.623	3.506	8.3	20.1
2 21	11 37.69	+13 5.0	2.561	3.505	5.7	19.9
3 2	11 31.67	+13 48.7	2.528	3.504	3.3	19.8
3 12	11 25.07	+14 28.1	2.523	3.503	3.2	19.7
3 22	11 18.53	+14 58.8	2.547	3.503	5.4	19.9
4 1	11 12.69	+15 18.0	2.600	3.503	8.1	20.1
4 11	11 8.11	+15 23.8	2.676	3.503	10.6	20.2

272885 2006 BW_{102} 3 11.1 49°.94 0°.8/10.2 17

2 1	11 48.04	+ 2 30.2	1.926	2.713	14.9	21.2
2 11	11 44.99	+ 3 11.1	1.840	2.715	11.7	21.0
2 21	11 39.74	+ 4 6.6	1.776	2.717	7.9	20.8
3 2	11 32.78	+ 5 12.4	1.738	2.719	3.7	20.5
3 12	11 24.96	+ 6 21.6	1.728	2.721	1.2	20.3
3 22	11 17.20	+ 7 27.1	1.746	2.723	5.3	20.6
4 1	11 10.44	+ 8 22.5	1.792	2.725	9.3	20.9
4 11	11 5.46	+ 9 3.0	1.862	2.727	12.9	21.1

25334 1999 LK_{11} 3 11.1 127°.38 3°.4/15.3 18

2 1	11 49.04	−11 15.4	2.318	3.029	14.8	19.1
2 11	11 45.34	−10 55.2	2.229	3.043	12.3	18.9
2 21	11 39.73	−10 14.8	2.160	3.057	9.3	18.7
3 2	11 32.70	− 9 15.1	2.117	3.069	6.1	18.5
3 12	11 24.98	− 7 59.9	2.101	3.082	3.6	18.4
3 22	11 17.35	− 6 34.9	2.116	3.094	4.3	18.5
4 1	11 10.61	− 5 7.1	2.160	3.105	7.2	18.7
4 11	11 5.39	− 3 43.5	2.230	3.116	10.2	18.9

502262 2015 BE_{121} 3 11.1 194°.60 5°.1/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.03	+16 28.8	2.351	3.155	12.0	21.4
2 11	11 46.21	+17 51.8	2.270	3.153	9.4	21.2
2 21	11 40.40	+19 18.8	2.213	3.150	6.9	21.0
3 2	11 33.06	+20 42.7	2.185	3.147	5.2	20.9
3 12	11 24.94	+21 55.8	2.186	3.144	5.8	20.9
3 22	11 16.86	+22 52.2	2.216	3.140	8.1	21.1
4 1	11 9.66	+23 28.1	2.272	3.136	10.8	21.2
4 11	11 4.03	+23 42.7	2.350	3.131	13.3	21.4

474052 2016 GJ_{249} 3 11.1 316°.92 0°.8/11.7 17

2 1	11 46.42	− 0 55.6	1.564	2.357	17.5	21.1
2 11	11 44.49	− 0 40.3	1.462	2.338	14.1	20.8
2 21	11 39.91	− 0 5.0	1.381	2.319	10.0	20.5
3 2	11 33.09	+ 0 47.9	1.323	2.301	5.2	20.1
3 12	11 24.93	+ 1 52.6	1.290	2.284	0.8	19.8
3 22	11 16.60	+ 3 1.1	1.284	2.266	5.6	20.1
4 1	11 9.35	+ 4 4.2	1.303	2.250	10.7	20.3
4 11	11 4.24	+ 4 54.3	1.345	2.234	15.3	20.5

322716 2000 PG_{9} 3 11.1 275°.24 6°.5/ 4.8 17

2 1	11 55.32	+19 17.3	2.002	2.807	13.8	21.3
2 11	11 51.04	+20 20.4	1.899	2.780	11.1	21.1
2 21	11 44.14	+21 26.7	1.819	2.752	8.4	20.9
3 2	11 35.08	+22 27.8	1.765	2.723	6.6	20.7
3 12	11 24.74	+23 14.9	1.739	2.694	7.2	20.7
3 22	11 14.22	+23 41.1	1.740	2.665	9.9	20.8
4 1	11 4.71	+23 42.4	1.767	2.635	13.2	20.9
4 11	10 57.22	+23 18.7	1.815	2.605	16.3	21.1

64713 2001 XK_{99} 3 11.1 224°.30 2°.0/12.8 18

2 1	11 54.13	− 3 41.9	1.926	2.678	16.1	19.5
2 11	11 49.99	− 3 40.4	1.820	2.668	13.1	19.3
2 21	11 43.35	− 3 21.6	1.735	2.657	9.5	19.0
3 2	11 34.67	− 2 46.6	1.674	2.645	5.4	18.8
3 12	11 24.78	− 1 59.1	1.642	2.633	2.0	18.5
3 22	11 14.76	− 1 4.8	1.638	2.620	4.8	18.7
4 1	11 5.73	− 0 10.7	1.663	2.606	9.1	18.9
4 11	10 58.61	+ 0 36.9	1.713	2.591	13.1	19.1

472726 2015 FA_{73} 3 11.1 197°.30 2°.2/ 8.3 17

2 1	11 48.65	+ 9 9.6	2.665	3.452	11.2	21.8
2 11	11 44.81	+ 9 48.0	2.573	3.450	8.7	21.6
2 21	11 39.27	+10 32.8	2.506	3.448	5.9	21.4
3 2	11 32.47	+11 19.9	2.467	3.446	3.1	21.3
3 12	11 25.03	+12 4.4	2.458	3.444	2.5	21.2
3 22	11 17.62	+12 41.8	2.479	3.441	5.1	21.4
4 1	11 10.94	+13 8.6	2.528	3.438	8.0	21.6
4 11	11 5.59	+13 22.8	2.602	3.435	10.7	21.7

416116 2002 PG_{199} 3 11.1 242°.66 2°.9/ 8.1 16

2 1	11 49.54	+ 6 35.2	1.831	2.631	15.1	21.9
2 11	11 46.45	+ 7 44.8	1.737	2.621	11.8	21.7
2 21	11 40.94	+ 9 9.1	1.665	2.611	7.9	21.5
3 2	11 33.47	+10 41.8	1.620	2.600	4.1	21.2
3 12	11 24.91	+12 13.6	1.603	2.589	3.4	21.1
3 22	11 16.29	+13 35.5	1.614	2.578	7.1	21.3
4 1	11 8.70	+14 40.1	1.652	2.566	11.3	21.5
4 11	11 3.02	+15 23.0	1.713	2.554	14.9	21.7

200575 2001 QB_{6} 3 11.1 205°.42 1°.6/12.4 18

2 1	11 55.61	− 2 21.6	1.886	2.642	16.3	21.2
2 11	11 51.14	− 2 20.4	1.785	2.637	13.2	20.9
2 21	11 44.12	− 2 2.8	1.706	2.631	9.4	20.7
3 2	11 35.02	− 1 30.4	1.652	2.625	5.2	20.4
3 12	11 24.76	− 0 47.1	1.626	2.618	1.6	20.2
3 22	11 14.42	+ 0 1.1	1.629	2.609	4.9	20.4
4 1	11 5.14	+ 0 47.8	1.660	2.601	9.3	20.6
4 11	10 57.88	+ 1 26.9	1.715	2.591	13.3	20.8

127119 2002 GK_{101} 3 11.1 67°.40 0°.8/11.8 18

2 1	11 48.57	− 1 35.5	1.889	2.662	15.6	20.0
2 11	11 45.41	− 1 11.4	1.806	2.670	12.5	19.8
2 21	11 40.02	− 0 30.2	1.744	2.677	8.7	19.5
3 2	11 32.93	+ 0 24.8	1.708	2.685	4.5	19.3
3 12	11 24.99	+ 1 28.0	1.700	2.693	0.8	19.0
3 22	11 17.15	+ 2 32.5	1.719	2.701	4.6	19.3
4 1	11 10.36	+ 3 31.5	1.766	2.709	8.7	19.6
4 11	11 5.37	+ 4 19.4	1.838	2.717	12.4	19.8

310890 2003 QO_{57} 3 11.1 174°.85 0°.5/10.6 16

2 1	11 53.73	+ 2 22.9	2.074	2.845	14.5	22.3
2 11	11 49.28	+ 2 52.8	1.983	2.848	11.5	22.1
2 21	11 42.60	+ 3 35.9	1.914	2.850	7.8	21.8
3 2	11 34.19	+ 4 28.4	1.873	2.852	3.7	21.6
3 12	11 24.87	+ 5 24.5	1.860	2.853	0.8	21.4
3 22	11 15.61	+ 6 18.1	1.877	2.853	4.9	21.7
4 1	11 7.37	+ 7 3.5	1.923	2.853	8.9	21.9
4 11	11 0.90	+ 7 36.4	1.993	2.852	12.4	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491199 2011 UX_{107}			3 11.1 175°.71	8°.1/20.8 18		
	h m	° ′			°	m
2 1	11 52.08	−24 44.4	2.173	2.796	17.8	22.2
2 11	11 48.19	−24 54.2	2.070	2.799	15.9	22.1
2 21	11 41.97	−24 35.9	1.983	2.802	13.5	21.9
3 2	11 33.93	−23 46.2	1.917	2.803	11.0	21.7
3 12	11 24.90	−22 25.2	1.876	2.804	8.9	21.6
3 22	11 15.86	−20 36.9	1.862	2.804	8.1	21.6
4 1	11 7.84	−18 29.6	1.876	2.803	9.3	21.6
4 11	11 1.66	−16 14.1	1.917	2.802	11.6	21.8
353467 2011 SU_{9}			3 11.1 212°.47	1°.6/13.2 17		
2 1	11 46.08	− 5 19.0	2.609	3.350	12.6	21.7
2 11	11 42.89	− 4 54.3	2.506	3.347	10.2	21.5
2 21	11 38.04	− 4 14.3	2.425	3.343	7.4	21.3
3 2	11 31.91	− 3 20.9	2.371	3.340	4.3	21.1
3 12	11 25.11	− 2 17.7	2.347	3.337	1.7	20.9
3 22	11 18.31	− 1 9.8	2.352	3.333	3.5	21.0
4 1	11 12.19	− 0 2.4	2.386	3.329	6.7	21.2
4 11	11 7.35	+ 0 59.0	2.447	3.325	9.7	21.4
52696 1998 FC_{51}			3 11.1 355°.03	1°.0/10.0 18		
2 1	11 46.44	+ 3 48.8	1.961	2.755	14.4	19.4
2 11	11 43.73	+ 4 20.3	1.873	2.753	11.3	19.2
2 21	11 38.89	+ 5 4.5	1.808	2.751	7.7	18.9
3 2	11 32.41	+ 5 57.3	1.768	2.749	3.6	18.7
3 12	11 25.07	+ 6 52.6	1.756	2.748	1.3	18.5
3 22	11 17.78	+ 7 44.0	1.772	2.747	5.2	18.8
4 1	11 11.44	+ 8 25.7	1.814	2.747	9.2	19.0
4 11	11 6.80	+ 8 53.7	1.881	2.748	12.7	19.2
287437 2002 XA_{6}			3 11.1 56°.09	0°.5/10.5 18		
2 1	11 47.30	+ 0 57.6	1.967	2.750	14.8	20.7
2 11	11 44.19	+ 1 47.2	1.900	2.772	11.6	20.5
2 21	11 39.03	+ 2 51.6	1.854	2.794	7.8	20.3
3 2	11 32.39	+ 4 6.1	1.835	2.816	3.7	20.1
3 12	11 25.08	+ 5 23.6	1.845	2.838	0.8	19.9
3 22	11 17.98	+ 6 37.0	1.883	2.860	4.8	20.3
4 1	11 11.93	+ 7 40.0	1.949	2.883	8.6	20.5
4 11	11 7.56	+ 8 28.3	2.039	2.905	11.9	20.8
262012 2006 QZ_{80}			3 11.1 228°.84	0°.9/10.2 16		
2 1	11 52.60	+ 3 24.1	2.019	2.798	14.6	22.2
2 11	11 48.62	+ 3 55.4	1.917	2.787	11.6	21.9
2 21	11 42.31	+ 4 40.0	1.837	2.776	7.9	21.7
3 2	11 34.13	+ 5 34.1	1.784	2.764	3.8	21.4
3 12	11 24.89	+ 6 31.8	1.759	2.751	1.2	21.2
3 22	11 15.57	+ 7 26.4	1.763	2.738	5.4	21.5
4 1	11 7.19	+ 8 11.9	1.795	2.724	9.5	21.7
4 11	11 0.61	+ 8 43.7	1.852	2.710	13.3	21.9
146444 2001 RB			3 11.1 101°.64	2°.0/12.9 18		
2 1	11 56.01	− 3 40.7	2.200	2.938	14.7	20.2
2 11	11 50.69	− 3 45.3	2.126	2.965	11.9	20.0
2 21	11 43.31	− 3 35.6	2.074	2.992	8.5	19.8
3 2	11 34.43	− 3 13.1	2.049	3.017	4.8	19.7
3 12	11 24.88	− 2 41.4	2.053	3.042	2.0	19.5
3 22	11 15.57	− 2 4.9	2.087	3.067	4.1	19.7
4 1	11 7.35	− 1 28.8	2.150	3.090	7.5	20.0
4 11	11 0.87	− 0 57.6	2.240	3.113	10.7	20.2
467200 2016 EJ_{134}			3 11.1 6°.05	0°.0/10.9 17		
2 1	11 49.68	+ 0 51.7	1.781	2.565	16.0	21.5
2 11	11 46.51	+ 1 16.9	1.693	2.565	12.7	21.2
2 21	11 40.93	+ 1 58.3	1.627	2.565	8.8	21.0
3 2	11 33.45	+ 2 52.3	1.586	2.565	4.3	20.7
3 12	11 24.97	+ 3 52.6	1.572	2.565	0.5	20.4
3 22	11 16.54	+ 4 52.0	1.586	2.565	5.2	20.8
4 1	11 9.21	+ 5 43.6	1.626	2.565	9.6	21.0
4 11	11 3.82	+ 6 22.1	1.691	2.566	13.5	21.3
404811 2014 JZ_{65}			3 11.1 130°.23	3°.2/ 8.3 18		
2 1	11 54.33	+ 7 31.8	1.563	2.367	17.0	21.5
2 11	11 50.40	+ 8 32.9	1.492	2.377	13.3	21.3
2 21	11 43.67	+ 9 47.3	1.442	2.387	8.9	21.1
3 2	11 34.78	+11 7.2	1.417	2.397	4.6	20.9
3 12	11 24.85	+12 22.8	1.420	2.406	3.7	20.8
3 22	11 15.13	+13 25.0	1.450	2.415	7.6	21.1
4 1	11 6.84	+14 7.6	1.506	2.423	11.9	21.3
4 11	11 0.89	+14 27.9	1.584	2.430	15.7	21.6
52319 1992 DP_{7}			3 11.1 64°.66	1°.8/ 9.5 18		
2 1	11 50.11	+ 4 45.1	1.651	2.451	16.4	19.1
2 11	11 46.98	+ 5 28.8	1.573	2.457	12.8	18.9
2 21	11 41.29	+ 6 27.2	1.517	2.462	8.6	18.7
3 2	11 33.62	+ 7 34.3	1.486	2.467	4.1	18.4
3 12	11 24.96	+ 8 42.1	1.481	2.472	2.2	18.3
3 22	11 16.44	+ 9 42.3	1.505	2.478	6.4	18.5
4 1	11 9.15	+10 28.4	1.554	2.483	10.7	18.8
4 11	11 3.95	+10 56.2	1.626	2.489	14.6	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
188970 2008 DD_{56}			3 11.1 25°.00	1°.9/ 9.4 18		
	h m	° ′			°	m
2 1	11 50.02	+ 5 13.6	1.685	2.486	16.1	20.6
2 11	11 46.90	+ 5 54.3	1.603	2.487	12.6	20.4
2 21	11 41.25	+ 6 48.9	1.543	2.488	8.5	20.1
3 2	11 33.62	+ 7 51.9	1.508	2.489	4.1	19.8
3 12	11 24.97	+ 8 55.4	1.499	2.490	2.3	19.7
3 22	11 16.40	+ 9 51.6	1.519	2.491	6.4	20.0
4 1	11 9.02	+10 33.9	1.564	2.493	10.7	20.2
4 11	11 3.71	+10 58.5	1.632	2.494	14.6	20.5
147805 2005 SD_{68}			3 11.1 62°.68	1°.1/12.0 18		
2 1	11 50.87	− 1 11.3	1.753	2.528	16.6	20.3
2 11	11 47.41	− 1 4.7	1.671	2.535	13.3	20.1
2 21	11 41.51	− 0 41.5	1.610	2.542	9.3	19.9
3 2	11 33.71	− 0 4.3	1.573	2.549	4.9	19.6
3 12	11 24.96	+ 0 41.8	1.563	2.556	1.1	19.4
3 22	11 16.31	+ 1 30.4	1.582	2.564	4.8	19.7
4 1	11 8.84	+ 2 14.9	1.627	2.571	9.2	19.9
4 11	11 3.37	+ 2 49.8	1.696	2.578	13.1	20.2
503679 2016 HZ_{7}			3 11.1 254°.94	0°.7/11.8 17		
2 1	11 49.32	− 1 14.7	2.295	3.055	13.6	22.3
2 11	11 45.80	− 0 53.5	2.182	3.038	10.9	22.1
2 21	11 40.26	− 0 17.7	2.091	3.021	7.7	21.9
3 2	11 33.11	+ 0 30.4	2.027	3.003	4.0	21.6
3 12	11 25.01	+ 1 26.8	1.992	2.985	0.7	21.3
3 22	11 16.80	+ 2 25.8	1.986	2.966	4.2	21.5
4 1	11 9.33	+ 3 21.7	2.009	2.947	8.1	21.7
4 11	11 3.36	+ 4 9.1	2.057	2.928	11.6	21.9
245021 2004 DN_{62}			3 11.1 2°.01	3°.4/ 7.1 18		
2 1	11 46.61	+ 9 52.2	2.110	2.915	13.1	20.5
2 11	11 43.71	+11 2.8	2.028	2.915	10.2	20.3
2 21	11 38.80	+12 22.6	1.969	2.915	6.9	20.1
3 2	11 32.35	+13 45.1	1.938	2.915	4.0	19.9
3 12	11 25.10	+15 2.6	1.936	2.915	4.0	19.9
3 22	11 17.92	+16 8.2	1.961	2.916	6.9	20.1
4 1	11 11.64	+16 56.7	2.014	2.916	10.2	20.3
4 11	11 6.98	+17 25.6	2.089	2.917	13.2	20.5
392594 2011 SR_{208}			3 11.1 185°.76	1°.5/12.7 17		
2 1	11 51.43	− 2 0.0	2.689	3.431	12.2	21.6
2 11	11 46.97	− 2 11.5	2.588	3.431	9.9	21.4
2 21	11 40.77	− 2 12.4	2.510	3.431	7.1	21.2
3 2	11 33.25	− 2 3.9	2.460	3.430	4.0	21.0
3 12	11 25.02	− 1 48.4	2.439	3.429	1.5	20.8
3 22	11 16.80	− 1 29.0	2.448	3.428	3.5	21.0
4 1	11 9.31	− 1 9.3	2.487	3.427	6.7	21.2
4 11	11 3.15	− 0 52.7	2.553	3.426	9.6	21.3
133507 2003 SG_{294}			3 11.1 195°.19	2°.8/14.7 18		
2 1	11 47.44	− 9 37.4	2.577	3.293	13.3	21.0
2 11	11 44.01	− 9 13.7	2.471	3.291	11.0	20.8
2 21	11 38.84	− 8 31.9	2.386	3.288	8.3	20.6
3 2	11 32.33	− 7 33.2	2.328	3.285	5.3	20.5
3 12	11 25.11	− 6 20.8	2.298	3.282	2.9	20.3
3 22	11 17.88	− 4 59.8	2.299	3.278	3.8	20.3
4 1	11 11.36	− 3 36.4	2.329	3.274	6.8	20.5
4 11	11 6.17	− 2 16.8	2.387	3.269	9.7	20.7
283725 2002 TA_{226}			3 11.1 152°.88	7°.5/ 3.2 18		
2 1	11 56.28	+23 41.2	2.067	2.870	13.5	20.2
2 11	11 51.36	+25 0.1	2.003	2.877	11.0	20.1
2 21	11 44.01	+26 16.4	1.963	2.884	8.7	20.0
3 2	11 34.86	+27 21.1	1.949	2.890	7.6	19.9
3 12	11 24.87	+28 6.4	1.963	2.896	8.3	19.9
3 22	11 15.11	+28 27.2	2.004	2.901	10.3	20.1
4 1	11 6.61	+28 22.3	2.069	2.905	12.8	20.2
4 11	11 0.13	+27 53.4	2.155	2.909	15.1	20.4
312996 1999 TJ_{237}			3 11.1 109°.86	1°.1/10.1 18		
2 1	11 53.17	+ 3 25.7	1.779	2.565	16.0	21.6
2 11	11 49.08	+ 4 2.7	1.705	2.579	12.5	21.4
2 21	11 42.54	+ 4 53.5	1.653	2.594	8.5	21.1
3 2	11 34.18	+ 5 53.3	1.627	2.608	4.0	20.9
3 12	11 24.94	+ 6 54.8	1.630	2.622	1.4	20.7
3 22	11 15.91	+ 7 50.9	1.660	2.635	5.6	21.1
4 1	11 8.13	+ 8 35.4	1.718	2.648	9.8	21.3
4 11	11 2.37	+ 9 4.5	1.799	2.661	13.5	21.6
426987 2014 BE_{22}			3 11.1 227°.60	1°.5/ 9.2 17		
2 1	11 46.19	+ 4 52.9	2.516	3.300	11.9	20.8
2 11	11 43.04	+ 5 44.9	2.421	3.296	9.3	20.6
2 21	11 38.18	+ 6 47.5	2.351	3.293	6.2	20.4
3 2	11 32.01	+ 7 56.4	2.308	3.289	3.0	20.2
3 12	11 25.16	+ 9 6.2	2.295	3.285	1.8	20.1
3 22	11 18.31	+10 11.0	2.312	3.281	4.8	20.3
4 1	11 12.20	+11 5.9	2.357	3.277	8.0	20.5
4 11	11 7.40	+11 47.5	2.427	3.273	10.9	20.7

255685 2006 QO_{53} 3 11.1 244°.13 4°.1/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.99	+11 27.3	1.904	2.706	14.5	21.2
2 11	11 49.15	+12 26.6	1.808	2.692	11.4	20.9
2 21	11 42.80	+13 35.3	1.734	2.678	7.9	20.7
3 2	11 34.43	+14 46.3	1.687	2.662	4.7	20.5
3 12	11 24.91	+15 51.3	1.668	2.647	4.7	20.4
3 22	11 15.30	+16 42.7	1.677	2.630	7.9	20.6
4 1	11 6.73	+17 14.7	1.712	2.614	11.7	20.8
4 11	11 0.11	+17 25.3	1.770	2.596	15.2	21.0

405544 2005 GH_{99} 3 11.1 18°.67 1°.3/12.1 18

2 1	11 48.09	− 1 32.8	1.307	2.109	19.9	21.1
2 11	11 46.04	− 1 27.0	1.234	2.113	15.9	20.8
2 21	11 41.01	− 0 59.2	1.179	2.119	11.2	20.6
3 2	11 33.61	− 0 12.4	1.147	2.125	5.9	20.3
3 12	11 24.99	+ 0 46.4	1.139	2.132	1.3	20.0
3 22	11 16.52	+ 1 48.3	1.156	2.139	5.8	20.3
4 1	11 9.55	+ 2 44.0	1.197	2.148	11.0	20.6
4 11	11 5.05	+ 3 26.0	1.260	2.157	15.6	20.9

410278 2007 TZ_{176} 3 11.1 237°.73 0°.4/10.8 17

2 1	11 51.99	+ 1 11.2	1.888	2.665	15.5	21.7
2 11	11 48.37	+ 1 45.1	1.784	2.652	12.4	21.4
2 21	11 42.29	+ 2 35.6	1.701	2.638	8.6	21.1
3 2	11 34.19	+ 3 39.2	1.644	2.623	4.2	20.8
3 12	11 24.93	+ 4 49.6	1.615	2.608	0.7	20.5
3 22	11 15.53	+ 5 59.2	1.615	2.593	5.4	20.9
4 1	11 7.11	+ 7 0.6	1.643	2.576	9.9	21.1
4 11	11 0.59	+ 7 47.9	1.694	2.560	13.9	21.3

282653 2005 UO_{141} 3 11.1 148°.13 1°.8/12.8 18

2 1	11 53.83	− 5 13.7	1.900	2.647	16.5	22.0
2 11	11 49.54	− 4 45.1	1.814	2.659	13.3	21.8
2 21	11 42.86	− 3 56.2	1.749	2.670	9.5	21.6
3 2	11 34.36	− 2 49.5	1.709	2.680	5.3	21.3
3 12	11 24.93	− 1 30.5	1.698	2.690	1.8	21.1
3 22	11 15.61	− 0 7.0	1.717	2.698	4.6	21.3
4 1	11 7.43	+ 1 13.1	1.764	2.706	8.8	21.6
4 11	11 1.20	+ 2 22.6	1.836	2.712	12.5	21.8

92262 2000 BZ_{14} 3 11.1 95°.42 3°.1/ 7.3 18

2 1	11 49.13	+13 12.2	2.732	3.526	10.8	19.2
2 11	11 45.09	+13 47.2	2.652	3.532	8.4	19.0
2 21	11 39.42	+14 25.4	2.597	3.538	5.8	18.9
3 2	11 32.55	+15 2.5	2.570	3.544	3.5	18.7
3 12	11 25.12	+15 33.9	2.573	3.550	3.4	18.7
3 22	11 17.79	+15 55.8	2.605	3.556	5.6	18.9
4 1	11 11.23	+16 5.7	2.665	3.562	8.2	19.1
4 11	11 5.99	+16 2.4	2.749	3.568	10.6	19.2

96385 1998 BC_{25} 3 11.1 114°.83 0°.1/11.2 18

2 1	11 55.99	+ 1 51.2	1.694	2.473	17.0	19.0
2 11	11 51.47	+ 1 57.2	1.616	2.484	13.4	18.8
2 21	11 44.29	+ 2 17.4	1.559	2.496	9.3	18.6
3 2	11 35.07	+ 2 48.4	1.528	2.507	4.6	18.3
3 12	11 24.86	+ 3 24.8	1.524	2.517	0.4	18.0
3 22	11 14.84	+ 4 0.2	1.548	2.528	5.3	18.4
4 1	11 6.16	+ 4 28.8	1.599	2.537	9.8	18.7
4 11	10 59.69	+ 4 46.4	1.675	2.547	13.7	18.9

138627 2000 QK_{250} 3 11.1 149°.06 0°.2/10.8 18

2 1	11 48.11	+ 1 54.6	2.986	3.746	10.8	21.3
2 11	11 44.15	+ 2 23.9	2.896	3.755	8.4	21.2
2 21	11 38.72	+ 3 2.5	2.830	3.763	5.7	21.0
3 2	11 32.20	+ 3 47.5	2.793	3.771	2.8	20.8
3 12	11 25.16	+ 4 35.3	2.786	3.779	0.4	20.6
3 22	11 18.18	+ 5 21.7	2.809	3.786	3.5	20.9
4 1	11 11.86	+ 6 3.1	2.863	3.793	6.4	21.1
4 11	11 6.68	+ 6 36.3	2.943	3.799	8.9	21.2

48059 2001 ET_{7} 3 11.1 275°.85 1°.5/ 9.8 17

2 1	11 51.83	+ 4 57.4	1.740	2.535	15.9	20.0
2 11	11 48.53	+ 5 25.9	1.636	2.515	12.7	19.7
2 21	11 42.57	+ 6 8.4	1.553	2.496	8.7	19.4
3 2	11 34.41	+ 7 0.6	1.495	2.476	4.2	19.1
3 12	11 24.92	+ 7 55.6	1.464	2.456	1.9	18.9
3 22	11 15.24	+ 8 45.9	1.461	2.435	6.4	19.1
4 1	11 6.60	+ 9 24.4	1.484	2.415	11.0	19.4
4 11	11 0.02	+ 9 46.5	1.530	2.394	15.3	19.6

127726 2003 EB_{49} 3 11.1 317°.64 3°.1/ 8.5 18

2 1	11 48.30	+ 5 29.4	1.381	2.199	18.1	20.1
2 11	11 46.21	+ 6 37.5	1.300	2.194	14.2	19.8
2 21	11 41.17	+ 8 4.9	1.239	2.189	9.6	19.5
3 2	11 33.74	+ 9 43.7	1.203	2.185	4.8	19.2
3 12	11 24.99	+11 22.3	1.192	2.180	3.7	19.1
3 22	11 16.27	+12 49.0	1.207	2.176	8.2	19.4
4 1	11 8.93	+13 54.1	1.247	2.172	13.1	19.6
4 11	11 4.02	+14 32.8	1.307	2.169	17.4	19.9

39396 6243 $P–L$ 3 11.1 350°.58 1°.3/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.90	− 0 36.2	1.391	2.186	19.2	18.9
2 11	11 48.22	− 0 40.7	1.308	2.184	15.5	18.6
2 21	11 42.54	− 0 26.2	1.244	2.181	10.9	18.4
3 2	11 34.41	+ 0 5.1	1.202	2.180	5.8	18.0
3 12	11 24.93	+ 0 47.7	1.185	2.178	1.3	17.7
3 22	11 15.47	+ 1 34.0	1.194	2.177	5.8	18.0
4 1	11 7.43	+ 2 15.7	1.228	2.177	11.0	18.3
4 11	11 1.86	+ 2 46.1	1.284	2.177	15.6	18.6

138662 2000 RV_{89} 3 11.1 247°.44 2°.3/13.6 17

2 1	11 49.92	− 4 53.6	2.508	3.245	13.2	20.2
2 11	11 46.02	− 5 5.4	2.401	3.238	10.8	20.0
2 21	11 40.27	− 5 4.0	2.317	3.231	7.9	19.8
3 2	11 33.07	− 4 50.2	2.260	3.224	4.8	19.6
3 12	11 25.08	− 4 26.3	2.230	3.217	2.4	19.4
3 22	11 17.03	− 3 55.6	2.231	3.210	3.9	19.5
4 1	11 9.72	− 3 22.6	2.260	3.203	7.0	19.7
4 11	11 3.81	− 2 51.8	2.315	3.196	10.1	19.9

384195 2009 BA_{131} 3 11.1 6°.19 2°.2/ 9.0 17

2 1	11 49.10	+ 7 58.2	1.967	2.767	14.2	21.1
2 11	11 45.79	+ 8 25.3	1.884	2.768	11.0	20.9
2 21	11 40.28	+ 9 1.2	1.824	2.769	7.4	20.7
3 2	11 33.10	+ 9 41.1	1.789	2.770	3.7	20.4
3 12	11 25.08	+10 19.0	1.783	2.771	2.5	20.3
3 22	11 17.15	+10 49.3	1.804	2.773	5.9	20.6
4 1	11 10.25	+11 7.6	1.852	2.776	9.6	20.8
4 11	11 5.11	+11 11.5	1.924	2.779	13.0	21.0

497809 2006 TU_{51} 3 11.1 168°.87 4°.7/18.1 18

2 1	11 46.63	−17 28.7	3.001	3.659	12.7	21.9
2 11	11 43.15	−17 27.8	2.895	3.662	10.9	21.7
2 21	11 38.14	−17 9.0	2.810	3.665	8.9	21.6
3 2	11 31.98	−16 31.7	2.749	3.667	6.7	21.4
3 12	11 25.22	−15 37.6	2.716	3.669	5.1	21.3
3 22	11 18.46	−14 29.9	2.711	3.671	4.8	21.3
4 1	11 12.35	−13 13.4	2.736	3.672	6.3	21.4
4 11	11 7.39	−11 53.9	2.789	3.673	8.4	21.5

16636 1993 QP 3 11.1 200°.15 2°.5/13.9 14 CR

2 1	11 54.99	− 7 18.7	2.670	3.379	13.1	24.2
2 11	11 49.88	− 7 13.6	2.556	3.374	10.8	24.1
2 21	11 42.86	− 6 53.4	2.464	3.367	8.0	23.9
3 2	11 34.35	− 6 18.8	2.399	3.359	5.0	23.7
3 12	11 24.99	− 5 32.3	2.364	3.350	2.6	23.5
3 22	11 15.55	− 4 38.0	2.361	3.339	3.9	23.5
4 1	11 6.83	− 3 40.8	2.388	3.327	7.0	23.7
4 11	10 59.52	− 2 46.3	2.444	3.314	10.0	23.9

351504 2005 RY_{13} 3 11.1 101°.97 0°.6/11.5 18

2 1	11 53.51	− 0 21.7	1.418	2.208	19.2	21.5
2 11	11 50.10	− 0 5.7	1.342	2.215	15.3	21.2
2 21	11 43.69	+ 0 30.2	1.286	2.223	10.6	21.0
3 2	11 34.91	+ 1 22.5	1.252	2.231	5.4	20.7
3 12	11 24.93	+ 2 24.0	1.245	2.238	0.6	20.3
3 22	11 15.11	+ 3 25.9	1.264	2.246	5.8	20.7
4 1	11 6.79	+ 4 19.5	1.309	2.253	11.0	21.0
4 11	11 0.96	+ 4 58.6	1.376	2.260	15.4	21.3

501969 2014 YG_{22} 3 11.1 89°.40 2°.6/ 8.4 17

2 1	11 48.76	+ 7 20.5	1.960	2.759	14.2	21.2
2 11	11 45.55	+ 8 15.7	1.878	2.762	11.1	21.0
2 21	11 40.14	+ 9 22.0	1.819	2.764	7.4	20.7
3 2	11 33.06	+10 33.5	1.787	2.767	3.8	20.5
3 12	11 25.12	+11 42.7	1.783	2.769	3.0	20.5
3 22	11 17.26	+12 42.4	1.807	2.772	6.4	20.7
4 1	11 10.43	+13 27.1	1.858	2.774	10.1	20.9
4 11	11 5.35	+13 53.9	1.932	2.777	13.4	21.1

305624 2009 AD_{33} 3 11.1 178°.40 2°.3/13.3 18

2 1	11 54.03	− 5 10.9	1.995	2.739	15.9	21.8
2 11	11 49.71	− 5 7.1	1.900	2.741	13.0	21.5
2 21	11 43.03	− 4 45.4	1.825	2.742	9.5	21.3
3 2	11 34.50	− 4 7.1	1.775	2.743	5.5	21.1
3 12	11 24.98	− 3 15.9	1.754	2.743	2.4	20.9
3 22	11 15.45	− 2 17.6	1.762	2.743	4.6	21.0
4 1	11 6.95	− 1 18.9	1.798	2.741	8.5	21.2
4 11	11 0.31	− 0 26.3	1.860	2.739	12.2	21.5

133248 2003 RN_{6} 3 11.1 239°.38 3°.6/ 7.6 18

2 1	11 50.98	+ 8 40.2	1.752	2.557	15.4	20.3
2 11	11 47.74	+ 9 49.0	1.661	2.548	12.1	20.1
2 21	11 41.93	+11 11.0	1.593	2.539	8.2	19.8
3 2	11 34.06	+12 38.9	1.550	2.529	4.5	19.6
3 12	11 25.02	+14 3.2	1.535	2.518	4.2	19.5
3 22	11 15.94	+15 14.8	1.548	2.508	7.8	19.7
4 1	11 7.97	+16 6.8	1.587	2.497	11.9	19.9
4 11	11 2.04	+16 35.8	1.648	2.485	15.6	20.1

501339 2013 YV_1 3 11.1 77°.15 4°.5/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.35	−11 35.5	2.263	2.974	15.1	21.3
2 11	11 45.75	−11 58.0	2.172	2.982	12.7	21.1
2 21	11 40.16	−12 2.3	2.101	2.990	9.9	20.9
3 2	11 33.04	−11 47.9	2.054	2.997	7.0	20.8
3 12	11 25.14	−11 16.6	2.033	3.005	4.8	20.6
3 22	11 17.27	−10 32.0	2.041	3.013	5.1	20.7
4 1	11 10.28	− 9 39.8	2.077	3.021	7.5	20.8
4 11	11 4.86	− 8 46.0	2.139	3.029	10.4	21.0

465980 2011 CF_{52} 3 11.1 130°.28 1°.8/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.47	+ 5 25.0	2.164	2.949	13.5	22.1
2 11	11 46.58	+ 6 19.0	2.085	2.961	10.5	21.9
2 21	11 40.68	+ 7 24.2	2.030	2.972	7.0	21.7
3 2	11 33.27	+ 8 35.2	2.002	2.983	3.4	21.5
3 12	11 25.13	+ 9 45.5	2.004	2.993	2.2	21.4
3 22	11 17.12	+10 48.5	2.035	3.003	5.4	21.7
4 1	11 10.07	+11 39.1	2.094	3.012	9.0	21.9
4 11	11 4.66	+12 14.0	2.177	3.021	12.1	22.1

148580 2001 QG_{291} 3 11.1 155°.30 0°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.36	− 1 15.3	2.434	3.184	13.2	21.1
2 11	11 47.84	− 0 55.8	2.343	3.193	10.5	20.9
2 21	11 41.44	− 0 23.4	2.275	3.202	7.3	20.7
3 2	11 33.62	+ 0 19.6	2.235	3.209	3.8	20.5
3 12	11 25.09	+ 1 8.9	2.223	3.217	0.7	20.3
3 22	11 16.64	+ 1 59.6	2.243	3.223	3.8	20.6
4 1	11 9.04	+ 2 46.8	2.292	3.229	7.3	20.8
4 11	11 2.93	+ 3 26.2	2.367	3.233	10.5	21.0

446801 1999 TT_{253} 3 11.1 157°.66 2°.0/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.59	+ 6 7.1	1.762	2.548	16.1	22.1
2 11	11 52.70	+ 6 42.7	1.681	2.556	12.7	21.9
2 21	11 45.15	+ 7 30.3	1.623	2.563	8.6	21.7
3 2	11 35.55	+ 8 24.4	1.590	2.570	4.2	21.4
3 12	11 24.91	+ 9 17.5	1.586	2.576	2.3	21.3
3 22	11 14.42	+10 2.6	1.610	2.581	6.3	21.6
4 1	11 5.25	+10 34.1	1.662	2.585	10.6	21.8
4 11	10 58.27	+10 49.1	1.738	2.588	14.4	22.1

522703 2016 LV_{59} 3 11.1 272°.00 2°.7/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.57	+ 7 52.9	2.039	2.837	13.8	21.8
2 11	11 45.42	+ 8 45.1	1.946	2.829	10.8	21.6
2 21	11 40.10	+ 9 48.0	1.876	2.821	7.3	21.3
3 2	11 33.08	+10 56.2	1.833	2.813	3.8	21.1
3 12	11 25.14	+12 2.4	1.818	2.804	3.1	21.0
3 22	11 17.20	+12 59.7	1.832	2.796	6.4	21.2
4 1	11 10.17	+13 42.6	1.872	2.787	10.1	21.4
4 11	11 4.85	+14 7.9	1.936	2.779	13.4	21.6

207022 2004 VQ_{28} 3 11.1 116°.33 1°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.51	+ 5 34.4	1.733	2.522	16.2	20.8
2 11	11 50.99	+ 6 11.5	1.661	2.538	12.7	20.6
2 21	11 43.90	+ 7 0.9	1.612	2.553	8.5	20.4
3 2	11 34.89	+ 7 56.8	1.588	2.568	4.1	20.1
3 12	11 24.98	+ 8 51.9	1.592	2.583	2.2	20.0
3 22	11 15.31	+ 9 39.1	1.625	2.597	6.1	20.3
4 1	11 6.99	+10 13.0	1.685	2.610	10.3	20.6
4 11	11 0.81	+10 30.4	1.768	2.623	14.0	20.8

427433 2000 UV_{61} 3 11.1 121°.54 1°.9/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.89	− 5 33.7	2.585	3.313	13.0	22.8
2 11	11 47.28	− 5 17.3	2.503	3.335	10.5	22.7
2 21	11 40.93	− 4 46.4	2.444	3.356	7.6	22.5
3 2	11 33.33	− 4 2.9	2.411	3.377	4.4	22.3
3 12	11 25.14	− 3 10.4	2.408	3.397	1.9	22.2
3 22	11 17.09	− 2 13.5	2.436	3.416	3.5	22.3
4 1	11 9.89	− 1 17.4	2.494	3.435	6.6	22.6
4 11	11 4.10	− 0 26.5	2.579	3.452	9.4	22.8

239437 2007 TT_{163} 3 11.1 101°.02 1°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.00	+ 7 12.2	2.479	3.259	12.1	21.0
2 11	11 46.65	+ 7 44.5	2.405	3.278	9.4	20.8
2 21	11 40.53	+ 8 24.1	2.356	3.296	6.3	20.6
3 2	11 33.14	+ 9 6.9	2.334	3.314	3.1	20.5
3 12	11 25.18	+ 9 47.9	2.343	3.332	1.9	20.4
3 22	11 17.39	+10 22.7	2.381	3.349	4.8	20.6
4 1	11 10.48	+10 47.9	2.448	3.366	7.9	20.8
4 11	11 5.03	+11 1.3	2.540	3.383	10.6	21.0

243437 2009 DF_{58} 3 11.1 253°.98 1°.4/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.97	+ 4 4.2	1.817	2.605	15.6	21.0
2 11	11 48.51	+ 4 40.6	1.714	2.590	12.4	20.8
2 21	11 42.49	+ 5 32.0	1.632	2.574	8.5	20.5
3 2	11 34.38	+ 6 33.8	1.577	2.557	4.1	20.2
3 12	11 25.04	+ 7 39.2	1.549	2.540	1.7	20.0
3 22	11 15.55	+ 8 40.3	1.549	2.523	6.1	20.2
4 1	11 7.07	+ 9 29.9	1.576	2.505	10.6	20.5
4 11	11 0.57	+10 3.2	1.627	2.487	14.7	20.7

325750 2009 WN_{55} 3 11.1 204°.90 1°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.65	+ 4 16.4	2.257	3.035	13.3	22.0
2 11	11 46.78	+ 4 56.7	2.160	3.031	10.4	21.7
2 21	11 40.90	+ 5 48.7	2.087	3.026	7.0	21.5
3 2	11 33.44	+ 6 48.2	2.041	3.021	3.4	21.3
3 12	11 25.14	+ 7 49.4	2.024	3.016	1.5	21.1
3 22	11 16.84	+ 8 46.4	2.037	3.009	5.0	21.4
4 1	11 9.39	+ 9 33.7	2.078	3.003	8.7	21.6
4 11	11 3.50	+10 7.7	2.145	2.996	12.0	21.8

167002 2003 PD_7 3 11.1 207°.12 1°.0/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.33	− 2 33.3	2.130	2.883	14.7	21.5
2 11	11 48.30	− 2 5.9	2.026	2.877	11.9	21.2
2 21	11 42.06	− 1 21.5	1.944	2.870	8.4	21.0
3 2	11 34.06	− 0 22.7	1.888	2.862	4.4	20.8
3 12	11 25.08	+ 0 45.8	1.861	2.854	1.0	20.5
3 22	11 16.03	+ 1 57.5	1.864	2.844	4.4	20.7
4 1	11 7.88	+ 3 5.5	1.895	2.834	8.5	20.9
4 11	11 1.41	+ 4 3.7	1.953	2.823	12.2	21.1

163519 2002 TW_{20} 3 11.1 235°.04 0°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.41	+ 3 38.8	2.319	3.098	12.9	20.0
2 11	11 44.98	+ 4 14.3	2.221	3.092	10.1	19.8
2 21	11 39.64	+ 5 1.2	2.147	3.087	6.9	19.6
3 2	11 32.82	+ 5 55.9	2.100	3.081	3.3	19.4
3 12	11 25.22	+ 6 53.0	2.082	3.074	1.2	19.2
3 22	11 17.60	+ 7 46.9	2.094	3.068	4.7	19.4
4 1	11 10.79	+ 8 32.5	2.133	3.062	8.3	19.7
4 11	11 5.45	+ 9 6.0	2.198	3.055	11.5	19.8

452634 2005 TJ_{106} 3 11.1 84°.60 1°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.54	+ 5 43.7	1.390	2.193	18.8	21.8
2 11	11 52.45	+ 6 4.5	1.322	2.206	14.8	21.5
2 21	11 45.25	+ 6 38.9	1.274	2.219	10.0	21.3
3 2	11 35.66	+ 7 21.3	1.250	2.231	4.8	21.0
3 12	11 24.95	+ 8 3.3	1.252	2.244	2.1	20.9
3 22	11 14.54	+ 8 37.4	1.281	2.257	6.9	21.2
4 1	11 5.79	+ 8 57.6	1.335	2.269	11.7	21.5
4 11	10 59.66	+ 9 0.8	1.411	2.281	15.9	21.8

371182 2005 YX_{90} 3 11.1 94°.94 3°.0/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.34	− 6 21.6	1.982	2.728	15.9	21.6
2 11	11 46.81	− 6 29.4	1.892	2.732	13.1	21.4
2 21	11 41.05	− 6 19.3	1.822	2.736	9.7	21.2
3 2	11 33.56	− 5 52.1	1.776	2.740	6.0	21.0
3 12	11 25.15	− 5 10.9	1.758	2.744	3.1	20.8
3 22	11 16.77	− 4 20.9	1.767	2.748	4.6	20.9
4 1	11 9.39	− 3 28.5	1.805	2.752	8.2	21.2
4 11	11 3.79	− 2 39.9	1.867	2.755	11.7	21.4

145088 2005 GW_{54} 3 11.1 172°.96 0°.2/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.32	+ 0 30.7	2.211	2.972	14.0	21.7
2 11	11 48.85	+ 0 55.0	2.118	2.976	11.1	21.5
2 21	11 42.29	+ 1 32.9	2.048	2.979	7.7	21.3
3 2	11 34.12	+ 2 21.0	2.004	2.982	3.8	21.0
3 12	11 25.10	+ 3 14.6	1.990	2.983	0.3	20.7
3 22	11 16.12	+ 4 7.9	2.006	2.984	4.4	21.1
4 1	11 8.08	+ 4 55.5	2.050	2.984	8.2	21.3
4 11	11 1.70	+ 5 32.9	2.121	2.984	11.6	21.5

405163 2002 UD_{32} 3 11.1 77°.29 3°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.05	− 7 35.8	1.778	2.519	17.6	21.6
2 11	11 49.65	− 7 29.8	1.714	2.551	14.4	21.4
2 21	11 42.86	− 7 2.6	1.670	2.583	10.5	21.2
3 2	11 34.35	− 6 15.9	1.651	2.614	6.4	21.1
3 12	11 25.09	− 5 14.8	1.658	2.645	3.2	20.9
3 22	11 16.17	− 4 6.2	1.695	2.675	4.8	21.1
4 1	11 8.57	− 2 57.9	1.759	2.705	8.4	21.4
4 11	11 3.00	− 1 56.9	1.848	2.734	11.9	21.6

271624 2004 PR_{55} 3 11.1 207°.11 1°.7/ 9.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.63	+ 6 1.3	2.378	3.158	12.6	21.4
2 11	11 46.68	+ 6 46.0	2.280	3.153	9.9	21.2
2 21	11 40.78	+ 7 40.9	2.207	3.147	6.6	21.0
3 2	11 33.38	+ 8 41.5	2.161	3.141	3.2	20.8
3 12	11 25.18	+ 9 42.2	2.144	3.134	2.0	20.7
3 22	11 16.97	+10 37.1	2.158	3.126	5.2	20.9
4 1	11 9.56	+11 21.3	2.200	3.118	8.6	21.1
4 11	11 3.64	+11 51.6	2.267	3.110	11.7	21.3

508249 2015 HO_{64} 3 11.1 244°.45 2°.2/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.39	+ 9 15.6	2.704	3.489	11.1	22.7
2 11	11 45.48	+ 9 49.5	2.602	3.477	8.7	22.5
2 21	11 39.85	+10 29.8	2.524	3.465	5.9	22.3
3 2	11 32.90	+11 12.6	2.474	3.453	3.1	22.1
3 12	11 25.23	+11 53.1	2.454	3.440	2.5	22.0
3 22	11 17.54	+12 26.9	2.465	3.427	5.1	22.2
4 1	11 10.54	+12 50.6	2.503	3.414	8.1	22.3
4 11	11 4.83	+13 1.9	2.567	3.401	10.8	22.5

430712 2004 EK_4 3 11.1 353°.59 10°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.52	+27 26.8	1.487	2.313	16.6	19.3
2 11	11 50.30	+28 23.4	1.421	2.304	14.0	19.1
2 21	11 43.90	+29 12.5	1.376	2.297	11.6	18.9
3 2	11 35.05	+29 42.8	1.353	2.292	10.4	18.8
3 12	11 25.02	+29 44.7	1.354	2.287	11.1	18.8
3 22	11 15.31	+29 13.6	1.378	2.284	13.4	19.0
4 1	11 7.30	+28 9.8	1.424	2.283	16.3	19.1
4 11	11 1.95	+26 38.2	1.489	2.283	19.1	19.3

344348 2001 WS_{48} 3 11.1 80°.14 7°.5/ 1.7 18

2 1	11 51.04	+25 48.0	2.298	3.104	12.2	20.1
2 11	11 47.04	+27 13.2	2.245	3.118	10.0	20.0
2 21	11 40.98	+28 33.9	2.218	3.132	8.2	19.9
3 2	11 33.43	+29 42.1	2.217	3.145	7.5	19.9
3 12	11 25.20	+30 31.0	2.243	3.159	8.3	19.9
3 22	11 17.21	+30 56.7	2.294	3.173	10.0	20.1
4 1	11 10.28	+30 58.0	2.370	3.186	12.0	20.2
4 11	11 5.08	+30 36.6	2.466	3.200	14.0	20.4

61184 2000 NO_{26} 3 11.1 161°.45 0°.9/12.0 18

2 1	11 50.70	− 1 46.2	2.196	2.954	14.2	19.4
2 11	11 46.83	− 1 25.0	2.104	2.959	11.4	19.2
2 21	11 40.93	− 0 48.9	2.035	2.963	8.0	19.0
3 2	11 33.46	− 0 0.4	1.991	2.966	4.2	18.7
3 12	11 25.20	+ 0 55.7	1.977	2.970	0.9	18.5
3 22	11 16.97	+ 1 53.9	1.992	2.972	4.1	18.7
4 1	11 9.66	+ 2 48.2	2.035	2.975	7.9	19.0
4 11	11 3.95	+ 3 33.6	2.104	2.977	11.3	19.2

149878 2005 QH_{164} 3 11.1 191°.98 4°.6/16.2 18

2 1	11 53.30	−13 12.2	2.629	3.310	13.9	21.0
2 11	11 48.65	−13 33.9	2.520	3.308	11.8	20.8
2 21	11 42.10	−13 38.9	2.431	3.306	9.3	20.6
3 2	11 34.04	−13 26.3	2.368	3.302	6.8	20.5
3 12	11 25.14	−12 57.2	2.332	3.298	4.9	20.3
3 22	11 16.17	−12 14.3	2.327	3.293	5.0	20.3
4 1	11 7.94	−11 22.3	2.350	3.287	7.2	20.5
4 11	11 1.13	−10 27.1	2.401	3.280	9.8	20.6

518139 2016 EA_{224} 3 11.1 320°.18 1°.1/12.0 17

2 1	11 50.05	− 0 45.3	1.648	2.431	17.2	21.7
2 11	11 47.17	− 0 45.6	1.554	2.423	13.8	21.5
2 21	11 41.65	− 0 28.9	1.481	2.415	9.8	21.2
3 2	11 34.00	+ 0 2.6	1.431	2.408	5.2	20.9
3 12	11 25.14	+ 0 44.2	1.408	2.401	1.2	20.6
3 22	11 16.23	+ 1 29.4	1.411	2.394	5.2	20.9
4 1	11 8.45	+ 2 11.2	1.441	2.387	9.9	21.1
4 11	11 2.77	+ 2 43.2	1.494	2.381	14.2	21.4

350315 2012 UW_{58} 3 11.1 174°.50 2°.5/14.2 17

2 1	11 48.25	− 7 24.8	2.691	3.414	12.7	21.9
2 11	11 44.56	− 7 19.4	2.590	3.416	10.4	21.7
2 21	11 39.20	− 6 59.3	2.511	3.417	7.7	21.5
3 2	11 32.58	− 6 25.5	2.458	3.418	4.9	21.3
3 12	11 25.29	− 5 40.6	2.434	3.419	2.6	21.2
3 22	11 18.00	− 4 48.6	2.440	3.420	3.7	21.3
4 1	11 11.41	− 3 54.3	2.476	3.420	6.5	21.4
4 11	11 6.10	− 3 2.5	2.538	3.420	9.3	21.6

270453 2002 CK_{225} 3 11.1 288°.82 0°.3/10.9 17

2 1	11 47.68	+ 0 45.6	1.922	2.705	15.1	20.8
2 11	11 44.87	+ 1 22.6	1.827	2.698	12.0	20.6
2 21	11 39.82	+ 2 16.0	1.753	2.691	8.2	20.3
3 2	11 33.02	+ 3 22.1	1.705	2.685	4.0	20.1
3 12	11 25.24	+ 4 34.6	1.685	2.678	0.6	19.8
3 22	11 17.44	+ 5 46.0	1.693	2.672	5.0	20.1
4 1	11 10.59	+ 6 49.2	1.728	2.665	9.3	20.3
4 11	11 5.50	+ 7 38.6	1.788	2.659	13.1	20.5

177764 2005 JB_{127} 3 11.1 256°.72 1°.1/12.1 17

2 1	11 51.45	− 1 47.0	1.908	2.674	15.8	20.9
2 11	11 47.99	− 1 35.7	1.800	2.658	12.8	20.7
2 21	11 42.10	− 1 7.5	1.713	2.642	9.1	20.4
3 2	11 34.20	− 0 24.2	1.651	2.626	4.9	20.1
3 12	11 25.12	+ 0 29.6	1.616	2.609	1.1	19.8
3 22	11 15.87	+ 1 27.7	1.611	2.592	4.8	20.0
4 1	11 7.55	+ 2 23.0	1.632	2.575	9.3	20.2
4 11	11 1.09	+ 3 9.3	1.679	2.557	13.4	20.4

65006 2002 AN_{78} 3 11.1 258°.16 3°.0/ 8.3 18

2 1	11 50.89	+ 9 4.2	1.913	2.714	14.5	20.1
2 11	11 47.38	+ 9 48.5	1.825	2.709	11.3	19.9
2 21	11 41.52	+10 42.3	1.760	2.705	7.7	19.6
3 2	11 33.83	+11 39.9	1.721	2.700	4.1	19.4
3 12	11 25.17	+12 34.0	1.709	2.695	3.4	19.3
3 22	11 16.54	+13 17.8	1.726	2.690	6.7	19.5
4 1	11 8.96	+13 46.4	1.769	2.685	10.6	19.8
4 11	11 3.24	+13 57.0	1.836	2.679	14.0	20.0

284327 2006 RY_1 3 11.1 154°.28 1°.3/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 47.25	+ 5 25.2	3.001	3.775	10.4	22.0
2 11	11 43.53	+ 6 16.3	2.913	3.782	8.1	21.9
2 21	11 38.36	+ 7 15.5	2.850	3.789	5.4	21.7
3 2	11 32.11	+ 8 19.1	2.816	3.796	2.6	21.5
3 12	11 25.34	+ 9 22.6	2.813	3.802	1.6	21.5
3 22	11 18.63	+10 21.3	2.841	3.808	4.1	21.6
4 1	11 12.55	+11 11.3	2.898	3.814	6.9	21.8
4 11	11 7.60	+11 50.1	2.981	3.818	9.4	22.0

61884 2000 QJ_{219} 3 11.1 128°.24 0°.7/10.2 18

2 1	11 48.89	+ 3 51.1	2.790	3.559	11.2	20.5
2 11	11 44.87	+ 4 21.6	2.706	3.571	8.8	20.3
2 21	11 39.29	+ 5 0.9	2.647	3.583	5.9	20.2
3 2	11 32.57	+ 5 45.5	2.615	3.595	2.8	20.0
3 12	11 25.30	+ 6 31.4	2.614	3.606	0.9	19.8
3 22	11 18.13	+ 7 14.4	2.643	3.617	3.9	20.1
4 1	11 11.67	+ 7 50.6	2.702	3.628	6.9	20.3
4 11	11 6.47	+ 8 17.3	2.787	3.638	9.5	20.5

39053 2000 UX_{99} 3 11.1 119°.52 1°.5/ 9.7 18

2 1	11 52.46	+ 5 51.9	2.066	2.851	14.1	19.9
2 11	11 48.26	+ 6 19.0	1.985	2.860	11.0	19.7
2 21	11 41.91	+ 6 55.9	1.928	2.868	7.4	19.5
3 2	11 33.94	+ 7 38.4	1.896	2.877	3.6	19.2
3 12	11 25.17	+ 8 20.6	1.894	2.885	1.8	19.1
3 22	11 16.54	+ 8 57.2	1.921	2.893	5.3	19.4
4 1	11 8.94	+ 9 23.6	1.975	2.901	9.0	19.6
4 11	11 3.10	+ 9 36.9	2.054	2.908	12.3	19.8

67036 1999 XS_{171} 3 11.1 194°.01 0°.7/10.4 18

2 1	11 51.04	+ 3 55.6	2.387	3.160	12.8	19.0
2 11	11 46.95	+ 4 17.7	2.291	3.158	10.1	18.8
2 21	11 40.94	+ 4 49.9	2.219	3.157	6.8	18.6
3 2	11 33.46	+ 5 28.7	2.175	3.154	3.3	18.4
3 12	11 25.22	+ 6 9.7	2.159	3.152	0.9	18.2
3 22	11 16.99	+ 6 48.0	2.174	3.149	4.5	18.5
4 1	11 9.59	+ 7 19.2	2.217	3.146	8.0	18.7
4 11	11 3.69	+ 7 40.1	2.286	3.143	11.1	18.9

504171 2006 SK_{379} 3 11.1 181°.80 0°.2/10.8 17

2 1	11 48.22	+ 1 54.3	2.875	3.636	11.1	22.8
2 11	11 44.39	+ 2 23.2	2.777	3.637	8.7	22.6
2 21	11 39.01	+ 3 2.0	2.704	3.637	6.0	22.4
3 2	11 32.46	+ 3 47.9	2.658	3.637	2.9	22.2
3 12	11 25.31	+ 4 36.8	2.643	3.636	0.4	22.0
3 22	11 18.19	+ 5 24.7	2.659	3.635	3.6	22.3
4 1	11 11.71	+ 6 7.4	2.704	3.634	6.7	22.5
4 11	11 6.43	+ 6 41.7	2.775	3.632	9.4	22.6

187380 2005 UQ_{386} 3 11.1 177°.96 5°.4/ 4.7 18

2 1	11 50.30	+15 28.4	2.139	2.946	12.9	20.7
2 11	11 46.67	+17 1.8	2.062	2.947	10.1	20.5
2 21	11 40.90	+18 40.6	2.009	2.948	7.3	20.3
3 2	11 33.49	+20 16.8	1.985	2.949	5.5	20.2
3 12	11 25.22	+21 41.6	1.989	2.949	6.1	20.2
3 22	11 17.02	+22 48.0	2.022	2.949	8.6	20.4
4 1	11 9.79	+23 31.7	2.080	2.948	11.5	20.5
4 11	11 4.26	+23 51.8	2.161	2.947	14.1	20.7

158042 2000 SK_{112} 3 11.1 154°.50 3°.1/14.9 18

2 1	11 48.24	−10 36.2	2.284	3.002	14.8	20.8
2 11	11 44.87	−10 5.8	2.187	3.008	12.3	20.6
2 21	11 39.58	− 9 14.3	2.112	3.013	9.2	20.4
3 2	11 32.81	− 8 3.0	2.061	3.018	5.9	20.2
3 12	11 25.29	− 6 36.0	2.040	3.023	3.3	20.1
3 22	11 17.80	− 4 59.6	2.047	3.027	4.2	20.1
4 1	11 11.17	− 3 21.4	2.085	3.031	7.3	20.3
4 11	11 6.05	− 1 48.9	2.149	3.034	10.5	20.5

92444 2000 KG_5 3 11.1 200°.31 6°.1/ 5.3 18

2 1	11 56.16	+17 1.5	1.877	2.682	14.6	20.4
2 11	11 51.65	+18 16.2	1.796	2.679	11.5	20.2
2 21	11 44.51	+19 35.3	1.738	2.675	8.4	20.0
3 2	11 35.32	+20 49.9	1.707	2.670	6.3	19.9
3 12	11 25.05	+21 50.7	1.704	2.664	6.8	19.9
3 22	11 14.84	+22 30.6	1.728	2.658	9.5	20.0
4 1	11 5.86	+22 45.8	1.777	2.651	12.8	20.2
4 11	10 58.99	+22 36.5	1.848	2.644	15.9	20.4

7522 1991 AJ 3 11.1 39°.16 4°.5/ 6.2 18

2 1	11 47.20	+13 3.7	1.967	2.781	13.6	17.1
2 11	11 44.27	+14 16.3	1.902	2.793	10.6	16.9
2 21	11 39.23	+15 34.9	1.861	2.806	7.3	16.7
3 2	11 32.63	+16 51.8	1.847	2.820	4.8	16.6
3 12	11 25.31	+17 59.2	1.861	2.833	5.1	16.6
3 22	11 18.17	+18 50.6	1.902	2.847	7.8	16.8
4 1	11 12.09	+19 22.2	1.969	2.862	10.8	17.0
4 11	11 7.73	+19 32.8	2.058	2.877	13.6	17.2

245178 2004 TW_{143} 3 11.1 93°.08 0°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.60	− 1 1.6	2.079	2.844	14.7	21.3
2 11	11 46.73	− 0 35.9	2.003	2.862	11.6	21.1
2 21	11 40.82	+ 0 4.5	1.949	2.880	8.1	20.9
3 2	11 33.39	+ 0 56.6	1.921	2.898	4.1	20.7
3 12	11 25.24	+ 1 54.9	1.922	2.915	0.6	20.5
3 22	11 17.27	+ 2 53.5	1.952	2.932	4.3	20.8
4 1	11 10.32	+ 3 46.3	2.010	2.949	8.0	21.0
4 11	11 5.04	+ 4 28.9	2.094	2.966	11.4	21.3

386956 2011 SU_{195} 3 11.1 228°.38 0°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.14	+ 0 36.4	2.684	3.447	11.8	21.8
2 11	11 43.73	+ 1 9.9	2.579	3.439	9.3	21.7
2 21	11 38.68	+ 1 55.3	2.498	3.431	6.4	21.5
3 2	11 32.35	+ 2 49.7	2.445	3.423	3.2	21.2
3 12	11 25.34	+ 3 48.9	2.421	3.414	0.3	21.0
3 22	11 18.30	+ 4 48.0	2.427	3.405	3.8	21.2
4 1	11 11.91	+ 5 42.1	2.462	3.396	7.1	21.4
4 11	11 6.77	+ 6 27.2	2.524	3.386	10.0	21.6

65176 2002 CL_{219} 3 11.1 262°.34 1°.7/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.89	+ 4 20.8	1.829	2.618	15.5	20.3
2 11	11 48.53	+ 5 6.0	1.719	2.596	12.3	20.0
2 21	11 42.60	+ 6 7.0	1.631	2.574	8.4	19.7
3 2	11 34.52	+ 7 19.4	1.569	2.550	4.1	19.4
3 12	11 25.12	+ 8 35.5	1.535	2.526	2.1	19.2
3 22	11 15.48	+ 9 47.1	1.530	2.502	6.4	19.4
4 1	11 6.78	+10 46.1	1.551	2.477	11.0	19.6
4 11	11 0.04	+11 27.1	1.596	2.452	15.1	19.8

19428 Gracehsu 3 11.1 166°.44 0°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.04	− 0 21.5	2.154	2.922	14.1	19.2
2 11	11 45.60	+ 0 15.0	2.062	2.925	11.2	19.0
2 21	11 40.13	+ 1 6.7	1.993	2.927	7.7	18.8
3 2	11 33.11	+ 2 10.1	1.951	2.929	3.8	18.5
3 12	11 25.28	+ 3 19.7	1.937	2.930	0.3	18.2
3 22	11 17.48	+ 4 29.0	1.952	2.932	4.4	18.6
4 1	11 10.58	+ 5 31.8	1.996	2.933	8.3	18.8
4 11	11 5.28	+ 6 22.9	2.066	2.933	11.7	19.0

184343 2005 GW_{218} 3 11.1 65°.98 0°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.88	+ 0 54.4	1.498	2.291	18.2	21.1
2 11	11 48.54	+ 1 21.7	1.430	2.307	14.3	20.9
2 21	11 42.45	+ 2 7.1	1.383	2.323	9.8	20.7
3 2	11 34.30	+ 3 5.9	1.360	2.340	4.8	20.4
3 12	11 25.17	+ 4 10.2	1.363	2.356	0.5	20.1
3 22	11 16.30	+ 5 11.7	1.393	2.373	5.7	20.6
4 1	11 8.87	+ 6 2.7	1.449	2.390	10.4	20.9
4 11	11 3.73	+ 6 38.1	1.528	2.406	14.4	21.1

2498 Tsesevich 3 11.1 197°.25 0°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.46	+ 0 45.2	2.395	3.160	13.0	17.0
2 11	11 45.73	+ 1 5.4	2.298	3.158	10.3	16.8
2 21	11 40.12	+ 1 37.5	2.224	3.156	7.1	16.6
3 2	11 33.08	+ 2 19.0	2.176	3.154	3.5	16.3
3 12	11 25.29	+ 3 5.6	2.158	3.152	0.3	16.0
3 22	11 17.50	+ 3 52.2	2.170	3.149	4.0	16.3
4 1	11 10.51	+ 4 34.2	2.211	3.147	7.6	16.6
4 11	11 4.96	+ 5 7.3	2.277	3.144	10.8	16.8

19836 2000 SC_{270} 3 11.1 192°.20 2°.7/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.56	+11 13.4	2.801	3.591	10.7	19.5
2 11	11 44.72	+11 59.4	2.712	3.590	8.3	19.3
2 21	11 39.27	+12 50.5	2.647	3.588	5.6	19.1
3 2	11 32.62	+13 42.4	2.610	3.586	3.3	19.0
3 12	11 25.34	+14 30.2	2.604	3.584	3.1	19.0
3 22	11 18.11	+15 9.4	2.627	3.581	5.4	19.1
4 1	11 11.57	+15 36.8	2.679	3.579	8.1	19.3
4 11	11 6.28	+15 50.7	2.756	3.576	10.5	19.4

166816 2002 VO_{88} 3 11.1 191°.88 3°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.37	− 9 46.6	2.677	3.386	13.1	20.3
2 11	11 45.51	− 9 54.0	2.572	3.384	10.9	20.1
2 21	11 39.90	− 9 46.1	2.488	3.383	8.3	19.9
3 2	11 32.97	− 9 22.9	2.430	3.380	5.6	19.7
3 12	11 25.31	− 8 46.5	2.400	3.378	3.5	19.6
3 22	11 17.62	− 8 0.3	2.400	3.375	4.1	19.6
4 1	11 10.62	− 7 8.9	2.429	3.372	6.6	19.8
4 11	11 4.94	− 6 17.7	2.485	3.369	9.4	19.9

160848 2001 BN_{82} 3 11.1 183°.29 1°.2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.88	+ 4 21.8	2.125	2.898	14.1	21.7
2 11	11 50.22	+ 4 58.7	2.032	2.899	11.1	21.5
2 21	11 43.33	+ 5 47.4	1.962	2.900	7.5	21.3
3 2	11 34.70	+ 6 43.7	1.919	2.899	3.6	21.1
3 12	11 25.15	+ 7 41.5	1.906	2.897	1.5	20.9
3 22	11 15.62	+ 8 34.5	1.923	2.895	5.3	21.2
4 1	11 7.09	+ 9 17.4	1.968	2.892	9.2	21.4
4 11	11 0.32	+ 9 46.3	2.038	2.888	12.6	21.6

38110 1999 JH_{25} 3 11.1 189°.33 1°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.65	+ 4 45.2	1.928	2.708	15.2	19.3
2 11	11 51.08	+ 5 7.7	1.837	2.707	12.0	19.1
2 21	11 44.05	+ 5 41.9	1.767	2.706	8.1	18.9
3 2	11 35.09	+ 6 23.7	1.724	2.704	3.9	18.6
3 12	11 25.11	+ 7 7.0	1.710	2.702	1.4	18.4
3 22	11 15.15	+ 7 45.9	1.724	2.699	5.5	18.7
4 1	11 6.30	+ 8 14.9	1.767	2.695	9.7	18.9
4 11	10 59.40	+ 8 30.6	1.834	2.691	13.4	19.1

68027 2000 YN_{26} 3 11.1 124°.29 1°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.44	− 3 35.7	2.297	3.047	13.9	20.1
2 11	11 45.69	− 2 57.7	2.213	3.061	11.1	19.9
2 21	11 40.06	− 2 3.5	2.151	3.075	7.8	19.8
3 2	11 33.03	− 0 56.2	2.115	3.089	4.2	19.6
3 12	11 25.32	+ 0 19.2	2.109	3.102	1.0	19.3
3 22	11 17.72	+ 1 36.5	2.133	3.115	3.9	19.6
4 1	11 11.01	+ 2 49.2	2.187	3.127	7.4	19.8
4 11	11 5.80	+ 3 52.0	2.266	3.138	10.6	20.0

428751 2008 SH_{42} 3 11.1 156°.02 0°.1/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.52	+ 0 54.3	2.311	3.076	13.4	22.3
2 11	11 46.58	+ 1 14.3	2.220	3.080	10.6	22.1
2 21	11 40.71	+ 1 46.6	2.152	3.084	7.3	21.9
3 2	11 33.37	+ 2 28.1	2.110	3.088	3.6	21.7
3 12	11 25.29	+ 3 14.5	2.098	3.092	0.3	21.4
3 22	11 17.25	+ 4 0.5	2.116	3.095	4.1	21.8
4 1	11 10.08	+ 4 41.4	2.162	3.098	7.8	22.0
4 11	11 4.43	+ 5 13.1	2.234	3.100	11.0	22.2

337027 1995 SO_{31} 3 11.1 157°.44 3°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.59	−11 31.4	2.978	3.671	12.2	21.6
2 11	11 44.66	−11 34.5	2.878	3.678	10.2	21.5
2 21	11 39.19	−11 22.7	2.799	3.684	7.9	21.3
3 2	11 32.58	−10 56.2	2.746	3.690	5.5	21.2
3 12	11 25.36	−10 16.9	2.722	3.695	3.6	21.1
3 22	11 18.17	− 9 28.1	2.727	3.700	3.9	21.1
4 1	11 11.62	− 8 33.9	2.763	3.704	6.0	21.2
4 11	11 6.25	− 7 39.3	2.826	3.708	8.4	21.4

346724 2009 AT_{18} 3 11.1 113°.92 4°.5/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.76	+15 19.6	2.399	3.201	11.9	20.8
2 11	11 45.89	+16 32.4	2.332	3.215	9.2	20.7
2 21	11 40.15	+17 48.6	2.289	3.228	6.6	20.5
3 2	11 33.05	+19 1.6	2.275	3.241	4.7	20.4
3 12	11 25.32	+20 4.6	2.289	3.253	5.1	20.5
3 22	11 17.74	+20 52.6	2.333	3.266	7.3	20.6
4 1	11 11.06	+21 22.4	2.403	3.278	9.9	20.8
4 11	11 5.89	+21 33.3	2.496	3.289	12.3	21.0

308044 2004 TZ_{15} 3 11.1 176°.82 0°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.39	+ 0 21.2	1.884	2.653	15.8	22.1
2 11	11 50.14	+ 0 42.1	1.793	2.655	12.6	21.8
2 21	11 43.43	+ 1 18.6	1.724	2.657	8.8	21.6
3 2	11 34.80	+ 2 7.4	1.680	2.658	4.4	21.3
3 12	11 25.15	+ 3 2.9	1.665	2.658	0.4	21.0
3 22	11 15.53	+ 3 58.5	1.679	2.658	5.0	21.4
4 1	11 7.02	+ 4 47.5	1.720	2.657	9.3	21.6
4 11	11 0.46	+ 5 24.9	1.787	2.656	13.2	21.8

245981 2006 SN_{155} 3 11.1 165°.71 6°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.52	+19 33.4	2.097	2.898	13.3	20.9
2 11	11 50.78	+20 46.6	2.025	2.903	10.6	20.7
2 21	11 43.70	+22 0.9	1.977	2.908	8.0	20.6
3 2	11 34.86	+23 7.9	1.956	2.912	6.3	20.5
3 12	11 25.16	+23 59.8	1.964	2.915	6.9	20.5
3 22	11 15.62	+24 30.9	1.999	2.917	9.2	20.6
4 1	11 7.23	+24 38.9	2.060	2.919	11.9	20.8
4 11	11 0.76	+24 24.4	2.143	2.921	14.5	21.0

372563 2009 UC_{33} 3 11.1 149°.55 3°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.00	+10 1.1	2.013	2.810	14.0	21.7
2 11	11 48.05	+10 43.9	1.931	2.813	10.9	21.5
2 21	11 41.87	+11 34.4	1.872	2.816	7.4	21.2
3 2	11 33.98	+12 27.1	1.840	2.818	4.0	21.0
3 12	11 25.24	+13 14.9	1.837	2.821	3.5	21.0
3 22	11 16.59	+13 52.1	1.862	2.823	6.6	21.2
4 1	11 9.01	+14 14.4	1.913	2.825	10.1	21.4
4 11	11 3.22	+14 19.7	1.989	2.827	13.3	21.6

282804 2006 QC_{116} 3 11.1 140°.90 3°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.96	− 8 49.2	2.497	3.217	13.6	20.6
2 11	11 45.27	− 8 57.8	2.400	3.220	11.3	20.4
2 21	11 39.79	− 8 50.6	2.324	3.224	8.6	20.3
3 2	11 32.93	− 8 28.1	2.273	3.228	5.6	20.1
3 12	11 25.34	− 7 52.4	2.251	3.231	3.4	19.9
3 22	11 17.77	− 7 7.3	2.257	3.234	4.2	20.0
4 1	11 10.96	− 6 17.9	2.293	3.237	6.9	20.2
4 11	11 5.55	− 5 29.3	2.355	3.240	9.7	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
447190 2005 SP_{128}			3 11.1 116°.28	1°.8/ 9.7 18		
	h m	° ′			°	m
2 1	11 57.82	+ 5 38.8	1.613	2.403	17.2	22.0
2 11	11 53.01	+ 6 10.8	1.543	2.420	13.5	21.7
2 21	11 45.42	+ 6 55.5	1.495	2.437	9.1	21.5
3 2	11 35.74	+ 7 47.1	1.472	2.453	4.4	21.3
3 12	11 25.08	+ 8 37.7	1.477	2.468	2.2	21.2
3 22	11 14.72	+ 9 20.3	1.510	2.483	6.4	21.5
4 1	11 5.85	+ 9 49.1	1.570	2.497	10.8	21.7
4 11	10 59.32	+10 1.3	1.653	2.511	14.6	22.0
188497 2004 PO_{75}			3 11.2 195°.15	1°.6/12.8 17		
2 1	11 53.96	− 2 52.2	2.644	3.378	12.6	21.0
2 11	11 49.08	− 2 57.0	2.537	3.375	10.2	20.8
2 21	11 42.35	− 2 50.1	2.454	3.371	7.4	20.6
3 2	11 34.18	− 2 32.6	2.398	3.367	4.2	20.4
3 12	11 25.23	− 2 7.2	2.372	3.362	1.6	20.2
3 22	11 16.25	− 1 37.3	2.377	3.357	3.7	20.4
4 1	11 8.01	− 1 7.1	2.411	3.350	6.9	20.6
4 11	11 1.16	− 0 40.5	2.474	3.344	9.9	20.7
22087 2000 AZ_{175}			3 11.2 49°.72	3°.7/ 6.9 18		
2 1	11 46.87	+ 9 2.5	1.918	2.727	14.1	17.4
2 11	11 44.16	+10 26.5	1.843	2.732	10.9	17.2
2 21	11 39.28	+12 1.7	1.790	2.737	7.4	17.0
3 2	11 32.74	+13 40.3	1.765	2.743	4.3	16.8
3 12	11 25.37	+15 13.3	1.769	2.748	4.3	16.8
3 22	11 18.09	+16 32.5	1.800	2.754	7.4	17.0
4 1	11 11.84	+17 32.0	1.858	2.760	10.9	17.2
4 11	11 7.33	+18 9.0	1.938	2.766	14.0	17.4
191664 2004 PQ_{103}			3 11.2 158°.72	1°.7/12.9 18		
2 1	11 52.26	− 3 9.5	2.333	3.078	13.8	20.8
2 11	11 47.95	− 3 9.7	2.239	3.083	11.2	20.6
2 21	11 41.65	− 2 56.3	2.167	3.088	8.0	20.4
3 2	11 33.85	− 2 30.7	2.122	3.092	4.5	20.2
3 12	11 25.27	− 1 56.3	2.105	3.096	1.7	20.0
3 22	11 16.72	− 1 17.3	2.118	3.099	3.9	20.1
4 1	11 9.04	− 0 38.6	2.161	3.102	7.4	20.4
4 11	11 2.91	− 0 4.9	2.229	3.105	10.6	20.6
367364 2008 FS_{115}			3 11.2 201°.49	1°.1/ 9.9 17		
2 1	11 51.37	+ 3 53.8	2.164	2.942	13.8	22.1
2 11	11 47.47	+ 4 32.2	2.069	2.939	10.8	21.9
2 21	11 41.47	+ 5 22.9	1.996	2.935	7.3	21.7
3 2	11 33.81	+ 6 21.7	1.951	2.931	3.5	21.4
3 12	11 25.27	+ 7 22.7	1.934	2.926	1.4	21.3
3 22	11 16.73	+ 8 19.7	1.947	2.921	5.1	21.5
4 1	11 9.09	+ 9 7.0	1.988	2.915	8.9	21.7
4 11	11 3.09	+ 9 40.7	2.055	2.909	12.3	21.9
54790 2001 MT_{8}			3 11.2 96°.36	6°.3/ 4.3 18		
2 1	11 51.79	+16 45.6	1.845	2.658	14.4	18.8
2 11	11 48.04	+18 27.3	1.788	2.676	11.3	18.6
2 21	11 41.89	+20 12.5	1.756	2.693	8.3	18.4
3 2	11 33.98	+21 51.3	1.750	2.711	6.4	18.4
3 12	11 25.26	+23 13.8	1.772	2.727	7.1	18.4
3 22	11 16.80	+24 13.1	1.821	2.744	9.7	18.6
4 1	11 9.58	+24 46.1	1.895	2.760	12.6	18.8
4 11	11 4.35	+24 53.1	1.990	2.776	15.2	19.1
151913 2004 EN_{54}			3 11.2 278°.62	3°.3/ 9.0 18		
2 1	11 57.24	+ 9 29.7	1.374	2.185	18.6	20.0
2 11	11 53.33	+ 9 52.1	1.296	2.184	14.6	19.8
2 21	11 46.13	+10 24.8	1.237	2.183	10.0	19.5
3 2	11 36.28	+11 1.0	1.202	2.183	5.2	19.2
3 12	11 25.04	+11 32.1	1.194	2.182	3.8	19.1
3 22	11 13.93	+11 50.6	1.211	2.181	8.1	19.4
4 1	11 4.45	+11 51.3	1.253	2.180	13.0	19.6
4 11	10 57.71	+11 32.6	1.316	2.179	17.3	19.9
373480 2000 SB_{316}			3 11.2 198°.28	5°.7/18.3 17		
2 1	11 50.35	−18 20.1	2.632	3.286	14.4	22.3
2 11	11 46.43	−18 32.0	2.520	3.282	12.5	22.1
2 21	11 40.64	−18 23.9	2.428	3.278	10.3	22.0
3 2	11 33.39	−17 54.3	2.359	3.273	7.9	21.8
3 12	11 25.32	−17 3.9	2.318	3.267	6.1	21.7
3 22	11 17.18	−15 56.1	2.304	3.261	5.8	21.6
4 1	11 9.77	−14 36.1	2.320	3.254	7.4	21.7
4 11	11 3.76	−13 11.0	2.363	3.246	9.8	21.9
291990 2006 QO_{104}			3 11.2 240°.11	0°.9/11.9 16		
2 1	11 53.95	− 0 28.5	1.960	2.724	15.5	21.6
2 11	11 49.89	− 0 23.6	1.853	2.711	12.5	21.3
2 21	11 43.38	− 0 4.0	1.768	2.698	8.8	21.1
3 2	11 34.86	+ 0 28.3	1.708	2.683	4.6	20.8
3 12	11 25.17	+ 1 9.3	1.676	2.669	0.9	20.5
3 22	11 15.33	+ 1 53.1	1.673	2.653	4.8	20.7
4 1	11 6.44	+ 2 33.9	1.698	2.638	9.2	21.0
4 11	10 59.41	+ 3 6.0	1.747	2.621	13.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426467 2013 QJ_{83}			3 11.2 166°.66	2°.2/ 8.9 17		
	h m	° ′			°	m
2 1	11 55.49	+ 9 22.1	2.345	3.125	12.8	21.7
2 11	11 50.41	+ 9 45.1	2.257	3.129	10.0	21.5
2 21	11 43.29	+10 14.2	2.194	3.133	6.8	21.3
3 2	11 34.63	+10 45.1	2.158	3.136	3.5	21.1
3 12	11 25.21	+11 12.8	2.152	3.139	2.5	21.0
3 22	11 15.88	+11 33.0	2.176	3.141	5.4	21.2
4 1	11 7.52	+11 42.4	2.229	3.143	8.7	21.4
4 11	11 0.79	+11 39.3	2.307	3.145	11.7	21.6
358040 2006 GE_{21}			3 11.2 278°.89	3°.9/ 8.0 17		
2 1	11 53.55	+10 11.3	1.605	2.414	16.4	21.5
2 11	11 50.25	+10 55.9	1.505	2.393	13.0	21.2
2 21	11 44.02	+11 51.9	1.426	2.372	9.0	21.0
3 2	11 35.32	+12 52.7	1.372	2.351	5.1	20.7
3 12	11 25.12	+13 49.0	1.345	2.329	4.5	20.6
3 22	11 14.71	+14 32.0	1.344	2.307	8.4	20.7
4 1	11 5.48	+14 55.3	1.368	2.284	13.0	20.9
4 11	10 58.55	+14 55.9	1.414	2.262	17.2	21.1
69564 1997 YA_{18}			3 11.2 286°.53	2°.4/12.8 17		
2 1	11 52.78	− 2 38.7	1.595	2.369	18.1	20.3
2 11	11 49.71	− 2 55.3	1.486	2.347	14.8	20.0
2 21	11 43.73	− 2 54.4	1.396	2.324	10.8	19.7
3 2	11 35.24	− 2 36.1	1.329	2.301	6.2	19.4
3 12	11 25.13	− 2 3.5	1.287	2.278	2.4	19.1
3 22	11 14.66	− 1 22.3	1.273	2.255	5.6	19.2
4 1	11 5.24	− 0 39.8	1.284	2.233	10.7	19.5
4 11	10 58.08	− 0 3.7	1.319	2.210	15.5	19.7
80076 1999 JO_{101}			3 11.2 129°.42	5°.2/ 4.1 18		
2 1	11 52.18	+21 43.8	2.845	3.639	10.4	18.6
2 11	11 47.46	+22 44.0	2.782	3.653	8.3	18.5
2 21	11 41.06	+23 42.5	2.744	3.668	6.4	18.4
3 2	11 33.46	+24 33.7	2.734	3.681	5.3	18.3
3 12	11 25.33	+25 12.4	2.754	3.695	5.8	18.4
3 22	11 17.36	+25 35.2	2.802	3.707	7.4	18.5
4 1	11 10.24	+25 40.5	2.877	3.720	9.4	18.7
4 11	11 4.51	+25 28.8	2.975	3.731	11.3	18.8
304889 2007 RR_{193}			3 11.2 71°.94	0°.9/10.4 18		
2 1	11 54.41	+ 3 16.2	1.485	2.281	18.2	20.9
2 11	11 50.51	+ 3 41.4	1.421	2.300	14.2	20.7
2 21	11 43.79	+ 4 21.9	1.378	2.320	9.6	20.5
3 2	11 34.97	+ 5 12.6	1.358	2.339	4.6	20.2
3 12	11 25.19	+ 6 5.7	1.366	2.359	1.2	20.0
3 22	11 15.75	+ 6 53.3	1.400	2.378	6.0	20.4
4 1	11 7.84	+ 7 29.0	1.461	2.397	10.7	20.7
4 11	11 2.29	+ 7 48.9	1.544	2.416	14.7	21.0
205387 2001 DJ_{3}			3 11.2 116°.34	1°.8/10.5 17		
2 1	12 12.14	+ 9 30.1	1.208	2.003	21.6	19.9
2 11	12 5.45	+ 8 54.4	1.135	2.012	17.2	19.6
2 21	11 54.61	+ 8 24.5	1.081	2.021	11.9	19.3
3 2	11 40.46	+ 7 55.7	1.051	2.030	5.8	19.0
3 12	11 24.68	+ 7 22.9	1.047	2.039	2.0	18.8
3 22	11 9.34	+ 6 42.9	1.071	2.047	7.6	19.2
4 1	10 56.36	+ 5 54.1	1.120	2.055	13.4	19.5
4 11	10 47.00	+ 4 56.4	1.192	2.062	18.2	19.8
329009 2010 XD_{68}			3 11.2 85°.84	7°.5/ 3.7 18		
2 1	11 55.95	+21 57.9	1.879	2.687	14.4	20.9
2 11	11 51.15	+23 27.5	1.835	2.714	11.5	20.8
2 21	11 43.89	+24 54.3	1.815	2.741	8.9	20.7
3 2	11 34.90	+26 8.8	1.821	2.767	7.5	20.7
3 12	11 25.21	+27 2.5	1.854	2.792	8.2	20.7
3 22	11 15.94	+27 30.8	1.914	2.818	10.4	20.9
4 1	11 8.09	+27 32.5	1.998	2.842	12.9	21.1
4 11	11 2.35	+27 10.1	2.102	2.867	15.2	21.3
85424 1997 AA_{3}			3 11.2 124°.87	3°.1/15.0 18 R		
2 1	11 51.75	− 9 5.8	2.940	3.640	12.2	19.5
2 11	11 47.07	− 9 22.3	2.848	3.656	10.1	19.3
2 21	11 40.80	− 9 25.7	2.780	3.672	7.7	19.2
3 2	11 33.37	− 9 16.1	2.737	3.687	5.1	19.0
3 12	11 25.35	− 8 55.2	2.724	3.701	3.3	18.9
3 22	11 17.40	− 8 26.0	2.742	3.715	3.8	19.0
4 1	11 10.16	− 7 52.0	2.789	3.729	6.0	19.2
4 11	11 4.17	− 7 17.6	2.864	3.742	8.5	19.3
456849 2007 UD_{83}			3 11.2 131°.17	1°.3/ 9.9 18		
2 1	11 54.79	+ 4 28.5	1.853	2.636	15.6	22.7
2 11	11 50.36	+ 5 2.3	1.775	2.648	12.2	22.5
2 21	11 43.51	+ 5 48.7	1.720	2.660	8.2	22.3
3 2	11 34.82	+ 6 42.7	1.691	2.671	3.9	22.0
3 12	11 25.24	+ 7 37.5	1.690	2.682	1.6	21.9
3 22	11 15.83	+ 8 26.5	1.718	2.692	5.6	22.2
4 1	11 7.63	+ 9 4.0	1.774	2.702	9.7	22.4
4 11	11 1.42	+ 9 26.7	1.854	2.711	13.3	22.7

159392 1998 QY_{35} 3 11.2 152°.42 1°.2/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.69	+ 4 54.8	2.954	3.722	10.7	21.2
2 11	11 45.45	+ 5 41.6	2.867	3.733	8.3	21.0
2 21	11 39.70	+ 6 36.7	2.806	3.743	5.6	20.9
3 2	11 32.84	+ 7 36.6	2.773	3.753	2.7	20.7
3 12	11 25.43	+ 8 36.5	2.771	3.761	1.4	20.6
3 22	11 18.09	+ 9 32.0	2.800	3.770	4.1	20.8
4 1	11 11.44	+10 19.3	2.860	3.777	6.9	21.0
4 11	11 5.97	+10 55.5	2.946	3.784	9.4	21.2

15865 1996 HW_{25} 3 11.2 157°.64 3°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.42	+10 9.9	1.966	2.759	14.4	19.0
2 11	11 50.78	+11 7.6	1.888	2.767	11.3	18.8
2 21	11 43.77	+12 13.8	1.833	2.774	7.7	18.6
3 2	11 34.95	+13 21.9	1.804	2.781	4.3	18.4
3 12	11 25.23	+14 24.0	1.805	2.787	3.9	18.4
3 22	11 15.66	+15 13.4	1.835	2.792	7.0	18.6
4 1	11 7.23	+15 45.5	1.892	2.796	10.6	18.8
4 11	11 0.75	+15 58.4	1.973	2.800	13.8	19.0

62144 2000 SU_{15} 3 11.2 37°.64 6°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.89	−15 54.4	1.694	2.410	19.3	18.9
2 11	11 44.60	−16 11.0	1.612	2.419	16.5	18.7
2 21	11 39.82	−15 59.7	1.546	2.428	13.3	18.5
3 2	11 33.11	−15 18.9	1.502	2.438	9.8	18.4
3 12	11 25.40	−14 10.9	1.482	2.448	7.0	18.2
3 22	11 17.76	−12 42.0	1.488	2.458	6.8	18.2
4 1	11 11.28	−11 1.6	1.520	2.469	9.3	18.4
4 11	11 6.82	− 9 20.7	1.577	2.480	12.6	18.6

438651 2008 CL_{170} 3 11.2 256°.38 2°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.62	− 5 55.5	2.558	3.291	13.0	21.2
2 11	11 45.02	− 6 3.2	2.454	3.288	10.7	21.0
2 21	11 39.64	− 5 57.1	2.373	3.284	7.9	20.8
3 2	11 32.90	− 5 38.0	2.318	3.281	4.9	20.6
3 12	11 25.42	− 5 8.3	2.291	3.277	2.6	20.5
3 22	11 17.92	− 4 31.5	2.293	3.273	3.8	20.5
4 1	11 11.12	− 3 52.1	2.325	3.269	6.8	20.7
4 11	11 5.67	− 3 14.7	2.382	3.265	9.7	20.9

519531 2012 JY_{67} 3 11.2 264°.95 0°.0/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.81	+ 0 30.2	2.040	2.813	14.6	22.2
2 11	11 46.54	+ 0 56.4	1.931	2.796	11.7	22.0
2 21	11 41.04	+ 1 38.0	1.845	2.780	8.1	21.7
3 2	11 33.72	+ 2 32.0	1.784	2.762	4.1	21.4
3 12	11 25.34	+ 3 33.4	1.751	2.745	0.4	21.1
3 22	11 16.82	+ 4 35.5	1.747	2.727	4.8	21.4
4 1	11 9.14	+ 5 31.8	1.772	2.709	9.1	21.6
4 11	11 3.17	+ 6 16.5	1.820	2.691	12.9	21.8

260174 2004 RM_{98} 3 11.2 304°.88 0°.9/12.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 45.12	− 5 21.5	2.238	2.990	14.1	20.8
2 11	11 42.81	− 4 20.1	2.102	2.953	11.5	20.6
2 21	11 38.50	− 2 55.5	1.989	2.915	8.3	20.3
3 2	11 32.51	− 1 9.5	1.903	2.877	4.5	20.0
3 12	11 25.45	+ 0 52.6	1.845	2.838	0.9	19.6
3 22	11 18.10	+ 3 2.7	1.819	2.800	4.4	19.8
4 1	11 11.36	+ 5 10.9	1.822	2.762	8.7	20.0
4 11	11 6.06	+ 7 8.2	1.851	2.723	12.6	20.2

74960 1999 TR_{198} 3 11.2 206°.46 3°.9/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.11	+15 18.8	2.601	3.389	11.4	19.8
2 11	11 49.25	+16 1.6	2.508	3.384	9.0	19.6
2 21	11 42.49	+16 47.2	2.441	3.377	6.3	19.5
3 2	11 34.27	+17 30.3	2.402	3.370	4.2	19.3
3 12	11 25.31	+18 5.6	2.392	3.363	4.3	19.3
3 22	11 16.37	+18 28.7	2.413	3.355	6.6	19.4
4 1	11 8.27	+18 36.8	2.461	3.346	9.3	19.6
4 11	11 1.65	+18 29.1	2.534	3.337	11.8	19.8

162576 2000 RR_{87} 3 11.2 89°.05 1°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.89	− 3 12.4	1.571	2.345	18.3	20.1
2 11	11 48.50	− 2 45.7	1.498	2.361	14.6	19.9
2 21	11 42.44	− 1 57.6	1.446	2.377	10.3	19.6
3 2	11 34.36	− 0 51.4	1.417	2.392	5.5	19.4
3 12	11 25.30	+ 0 25.7	1.415	2.408	1.3	19.1
3 22	11 16.45	+ 1 44.9	1.440	2.423	5.1	19.4
4 1	11 8.95	+ 2 57.3	1.493	2.438	9.8	19.7
4 11	11 3.65	+ 3 56.0	1.569	2.452	13.8	20.0

70377 1999 RE_{211} 3 11.2 294°.90 0°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.71	+ 2 39.1	1.927	2.698	15.5	19.0
2 11	11 52.42	+ 2 21.6	1.800	2.663	12.6	18.7
2 21	11 45.41	+ 2 14.1	1.695	2.628	8.9	18.4
3 2	11 36.04	+ 2 15.0	1.616	2.593	4.6	18.1
3 12	11 25.12	+ 2 21.0	1.564	2.558	0.5	17.7
3 22	11 13.73	+ 2 28.1	1.542	2.522	5.2	18.0
4 1	11 3.15	+ 2 31.8	1.548	2.486	10.0	18.2
4 11	10 54.50	+ 2 27.8	1.578	2.450	14.4	18.3

456738 2007 TX_{17} 3 11.2 126°.56 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.74	+ 5 4.7	1.856	2.639	15.5	22.5
2 11	11 51.08	+ 5 34.5	1.780	2.653	12.2	22.3
2 21	11 43.99	+ 6 15.9	1.726	2.666	8.2	22.1
3 2	11 35.06	+ 7 4.1	1.699	2.679	3.9	21.9
3 12	11 25.25	+ 7 52.6	1.700	2.691	1.7	21.7
3 22	11 15.64	+ 8 34.9	1.730	2.703	5.7	22.0
4 1	11 7.26	+ 9 5.9	1.787	2.714	9.7	22.3
4 11	11 0.90	+ 9 22.6	1.869	2.725	13.3	22.5

259170 2002 YQ_{36} 3 11.2 118°.36 6°.5/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.85	+18 36.8	1.917	2.729	14.0	20.2
2 11	11 48.87	+20 3.4	1.854	2.739	11.1	20.0
2 21	11 42.50	+21 31.9	1.815	2.749	8.3	19.9
3 2	11 34.33	+22 53.2	1.802	2.759	6.6	19.8
3 12	11 25.32	+23 58.2	1.817	2.769	7.3	19.8
3 22	11 16.52	+24 40.8	1.858	2.778	9.7	20.0
4 1	11 8.93	+24 58.3	1.925	2.787	12.5	20.2
4 11	11 3.32	+24 51.2	2.012	2.796	15.1	20.4

172524 2003 SK_{310} 3 11.2 200°.53 1°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.44	+ 4 19.0	2.051	2.830	14.4	21.8
2 11	11 49.26	+ 4 57.9	1.955	2.826	11.3	21.6
2 21	11 42.80	+ 5 49.4	1.882	2.822	7.7	21.4
3 2	11 34.55	+ 6 49.2	1.836	2.816	3.7	21.1
3 12	11 25.31	+ 7 50.8	1.819	2.811	1.6	21.0
3 22	11 16.06	+ 8 47.7	1.831	2.804	5.5	21.2
4 1	11 7.78	+ 9 34.0	1.872	2.797	9.5	21.4
4 11	11 1.28	+10 5.6	1.937	2.789	13.0	21.6

340730 2006 SZ_{143} 3 11.2 302°.66 1°.6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.86	+ 7 43.5	2.256	3.042	13.0	20.5
2 11	11 47.76	+ 7 56.6	2.162	3.037	10.2	20.3
2 21	11 41.62	+ 8 16.8	2.092	3.032	6.9	20.1
3 2	11 33.91	+ 8 40.5	2.048	3.028	3.4	19.9
3 12	11 25.37	+ 9 3.1	2.033	3.023	1.9	19.8
3 22	11 16.86	+ 9 20.1	2.048	3.019	5.1	20.0
4 1	11 9.25	+ 9 28.0	2.090	3.015	8.7	20.2
4 11	11 3.24	+ 9 24.7	2.157	3.010	11.9	20.4

324398 2006 SX_{88} 3 11.2 59°.59 0°.4/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.54	− 0 44.3	1.542	2.329	18.0	21.5
2 11	11 47.44	− 0 15.9	1.474	2.346	14.2	21.3
2 21	11 41.72	+ 0 31.7	1.426	2.363	9.8	21.1
3 2	11 34.01	+ 1 34.3	1.402	2.380	4.9	20.8
3 12	11 25.37	+ 2 44.4	1.404	2.398	0.5	20.5
3 22	11 16.97	+ 3 53.5	1.434	2.416	5.3	20.9
4 1	11 9.93	+ 4 53.4	1.490	2.433	9.9	21.2
4 11	11 5.06	+ 5 38.4	1.569	2.451	13.9	21.5

316395 2010 TW_{52} 3 11.2 279°.04 0°.9/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.51	+ 2 43.3	1.677	2.470	16.5	21.8
2 11	11 47.66	+ 3 15.1	1.574	2.452	13.2	21.5
2 21	11 42.14	+ 4 3.8	1.493	2.434	9.1	21.2
3 2	11 34.40	+ 5 5.6	1.435	2.416	4.4	20.9
3 12	11 25.32	+ 6 13.3	1.405	2.398	1.3	20.6
3 22	11 16.06	+ 7 18.7	1.402	2.379	6.1	20.9
4 1	11 7.84	+ 8 13.6	1.425	2.360	11.0	21.1
4 11	11 1.71	+ 8 52.0	1.471	2.342	15.3	21.3

234021 1998 RV_{13} 3 11.2 122°.52 0°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.77	+ 3 6.4	1.592	2.374	17.7	21.2
2 11	11 53.92	+ 3 9.6	1.516	2.386	14.1	21.0
2 21	11 46.19	+ 3 26.3	1.460	2.397	9.7	20.8
3 2	11 36.23	+ 3 53.0	1.428	2.408	4.7	20.5
3 12	11 25.18	+ 4 23.8	1.425	2.418	0.6	20.2
3 22	11 14.33	+ 4 52.3	1.449	2.428	5.7	20.6
4 1	11 4.96	+ 5 13.0	1.500	2.438	10.4	20.9
4 11	10 58.00	+ 5 21.8	1.575	2.447	14.5	21.1

327334 2005 UV_{133} 3 11.2 288°.93 1°.7/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.65	+ 6 30.5	1.778	2.571	15.7	20.8
2 11	11 50.01	+ 6 43.3	1.671	2.550	12.5	20.5
2 21	11 43.70	+ 7 6.9	1.586	2.529	8.6	20.2
3 2	11 35.15	+ 7 37.2	1.527	2.507	4.2	19.9
3 12	11 25.26	+ 8 8.2	1.494	2.486	2.0	19.7
3 22	11 15.16	+ 8 33.6	1.490	2.464	6.2	19.9
4 1	11 6.09	+ 8 48.1	1.512	2.442	10.9	20.1
4 11	10 59.09	+ 8 48.1	1.557	2.421	15.0	20.3

169558 2002 EM_{137} 3 11.2 288°.26 0°.8/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.24	+ 3 32.1	1.550	2.348	17.4	20.8
2 11	11 49.29	+ 3 47.5	1.448	2.329	14.0	20.5
2 21	11 43.43	+ 4 18.6	1.367	2.309	9.7	20.2
3 2	11 35.10	+ 5 1.5	1.309	2.290	4.7	19.9
3 12	11 25.26	+ 5 49.8	1.278	2.271	1.2	19.6
3 22	11 15.19	+ 6 35.7	1.273	2.252	6.4	19.9
4 1	11 6.27	+ 7 11.5	1.294	2.232	11.6	20.1
4 11	10 59.65	+ 7 31.8	1.337	2.213	16.2	20.3

383355 2006 RQ_{121} 3 11.2 178°.71 0°.7/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 46.65	− 2 25.5	2.547	3.301	12.5	21.4
2 11	11 43.45	− 1 48.3	2.449	3.302	10.0	21.2
2 21	11 38.56	− 0 56.8	2.375	3.302	7.0	21.0
3 2	11 32.38	+ 0 6.5	2.327	3.302	3.7	20.8
3 12	11 25.53	+ 1 16.9	2.309	3.302	0.7	20.5
3 22	11 18.70	+ 2 28.9	2.321	3.302	3.6	20.8
4 1	11 12.58	+ 3 37.0	2.363	3.302	7.0	21.0
4 11	11 7.76	+ 4 36.3	2.431	3.301	10.1	21.2

284370 2006 SX_{184} 3 11.2 140°.62 0°.3/10.7 17

2 1	11 48.70	+ 2 28.9	2.921	3.683	10.9	22.0
2 11	11 44.71	+ 2 57.0	2.833	3.693	8.6	21.9
2 21	11 39.23	+ 3 34.1	2.769	3.703	5.8	21.7
3 2	11 32.64	+ 4 17.3	2.734	3.712	2.8	21.5
3 12	11 25.52	+ 5 2.9	2.728	3.721	0.5	21.3
3 22	11 18.46	+ 5 46.8	2.754	3.730	3.6	21.6
4 1	11 12.08	+ 6 25.2	2.809	3.738	6.5	21.8
4 11	11 6.88	+ 6 55.3	2.891	3.746	9.1	22.0

422733 2001 QU_{229} 3 11.2 153°.44 0°.9/12.3 18

2 1	11 49.44	− 4 25.3	2.248	2.996	14.2	21.2
2 11	11 45.84	− 3 33.7	2.156	3.004	11.4	21.1
2 21	11 40.29	− 2 23.6	2.087	3.011	8.0	20.9
3 2	11 33.25	− 0 58.3	2.044	3.018	4.3	20.6
3 12	11 25.47	+ 0 36.2	2.031	3.024	0.9	20.4
3 22	11 17.74	+ 2 12.8	2.048	3.029	4.0	20.6
4 1	11 10.88	+ 3 44.1	2.095	3.034	7.8	20.9
4 11	11 5.56	+ 5 3.9	2.169	3.039	11.1	21.1

212461 2006 QT_{29} 3 11.2 246°.63 1°.6/ 9.6 17

2 1	11 52.22	+ 4 41.0	1.954	2.739	14.8	21.4
2 11	11 48.57	+ 5 23.0	1.848	2.723	11.7	21.1
2 21	11 42.52	+ 6 18.9	1.766	2.707	8.0	20.9
3 2	11 34.51	+ 7 24.2	1.709	2.689	3.9	20.6
3 12	11 25.34	+ 8 32.0	1.681	2.672	2.0	20.4
3 22	11 16.03	+ 9 34.9	1.682	2.654	6.0	20.6
4 1	11 7.64	+10 26.1	1.710	2.635	10.2	20.8
4 11	11 1.09	+11 1.1	1.762	2.615	14.0	21.0

179834 2002 TX_{180} 3 11.2 134°.60 0°.0/11.1 18

2 1	11 57.47	+ 2 40.2	2.119	2.882	14.5	20.1
2 11	11 52.14	+ 2 41.8	2.036	2.895	11.5	20.0
2 21	11 44.58	+ 2 54.0	1.975	2.907	7.9	19.8
3 2	11 35.34	+ 3 14.0	1.941	2.919	3.9	19.5
3 12	11 25.29	+ 3 37.5	1.936	2.930	0.3	19.2
3 22	11 15.38	+ 4 0.2	1.962	2.940	4.5	19.6
4 1	11 6.57	+ 4 17.8	2.017	2.950	8.4	19.9
4 11	10 59.59	+ 4 27.1	2.097	2.960	11.7	20.1

75668 2000 AW_{87} 3 11.2 150°.74 0°.5/11.7 18

2 1	11 49.82	− 0 18.3	2.299	3.062	13.5	20.2
2 11	11 46.10	+ 0 2.0	2.208	3.066	10.7	20.0
2 21	11 40.45	+ 0 35.3	2.139	3.070	7.5	19.8
3 2	11 33.34	+ 1 19.2	2.097	3.074	3.8	19.6
3 12	11 25.48	+ 2 8.9	2.084	3.077	0.5	19.3
3 22	11 17.67	+ 2 59.5	2.100	3.080	4.0	19.6
4 1	11 10.70	+ 3 45.6	2.145	3.083	7.7	19.9
4 11	11 5.24	+ 4 22.9	2.215	3.086	10.9	20.1

389933 2012 TR_{131} 3 11.2 70°.36 4°.8/16.9 17

2 1	11 47.98	−13 51.3	2.380	3.076	14.8	20.6
2 11	11 44.64	−14 5.9	2.291	3.088	12.5	20.5
2 21	11 39.43	−14 1.4	2.222	3.100	9.9	20.3
3 2	11 32.83	−13 37.4	2.177	3.113	7.2	20.2
3 12	11 25.53	−12 55.6	2.159	3.125	5.1	20.1
3 22	11 18.28	−12 0.1	2.168	3.137	5.1	20.1
4 1	11 11.86	−10 56.4	2.206	3.149	7.2	20.2
4 11	11 6.91	− 9 51.1	2.271	3.162	9.8	20.4

167876 2005 EA_{33} 3 11.2 229°.95 0°.1/11.1 17

2 1	11 48.58	+ 1 2.0	2.151	2.925	13.9	20.5
2 11	11 45.31	+ 1 29.4	2.058	2.924	11.0	20.3
2 21	11 40.02	+ 2 10.3	1.988	2.924	7.6	20.1
3 2	11 33.17	+ 3 1.6	1.944	2.923	3.7	19.8
3 12	11 25.50	+ 3 58.1	1.929	2.922	0.4	19.5
3 22	11 17.85	+ 4 53.7	1.942	2.921	4.5	19.9
4 1	11 11.08	+ 5 43.0	1.984	2.921	8.3	20.1
4 11	11 5.89	+ 6 21.2	2.051	2.920	11.7	20.3

269114 2007 JL_{39} 3 11.2 112°.09 1°.5/12.7 18

2 1	11 50.78	− 3 6.2	2.016	2.775	15.3	20.8
2 11	11 47.11	− 2 55.1	1.930	2.783	12.3	20.6
2 21	11 41.28	− 2 27.7	1.866	2.791	8.8	20.4
3 2	11 33.78	− 1 46.1	1.826	2.799	4.8	20.2
3 12	11 25.45	− 0 54.9	1.815	2.807	1.5	19.9
3 22	11 17.19	+ 0 0.3	1.832	2.814	4.3	20.1
4 1	11 9.94	+ 0 53.1	1.878	2.822	8.2	20.4
4 11	11 4.42	+ 1 38.1	1.948	2.829	11.7	20.6

200785 2001 XU_{65} 3 11.2 179°.19 2°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.06	− 6 42.7	1.989	2.725	16.2	20.3
2 11	11 49.84	− 6 39.7	1.892	2.727	13.3	20.1
2 21	11 43.27	− 6 17.6	1.816	2.729	9.8	19.9
3 2	11 34.82	− 5 37.3	1.765	2.729	6.0	19.7
3 12	11 25.35	− 4 42.4	1.742	2.729	2.9	19.5
3 22	11 15.87	− 3 38.6	1.748	2.728	4.6	19.6
4 1	11 7.41	− 2 33.1	1.782	2.727	8.5	19.8
4 11	11 0.80	− 1 32.8	1.842	2.724	12.2	20.0

450437 2005 UV_{308} 3 11.2 138°.13 1°.9/12.9 18

2 1	11 54.17	− 4 53.0	1.758	2.512	17.4	21.9
2 11	11 50.09	− 4 30.9	1.676	2.525	14.0	21.7
2 21	11 43.48	− 3 48.0	1.614	2.537	10.1	21.5
3 2	11 34.91	− 2 46.5	1.577	2.548	5.6	21.3
3 12	11 25.36	− 1 32.3	1.567	2.558	1.9	21.0
3 22	11 15.92	− 0 13.2	1.586	2.568	4.8	21.3
4 1	11 7.72	+ 1 2.4	1.633	2.577	9.2	21.5
4 11	11 1.58	+ 2 7.3	1.705	2.585	13.1	21.8

349928 2009 WD_{106} 3 11.2 318°.37 13°.2/13.2 18

2 1	12 13.33	−15 23.4	1.426	2.111	23.5	22.1
2 11	12 9.87	−16 57.3	1.235	2.022	21.7	21.6
2 21	12 1.45	−18 23.4	1.059	1.928	19.0	21.1
3 2	11 46.59	−19 32.5	0.902	1.829	15.7	20.5
3 12	11 24.00	−20 9.7	0.768	1.725	13.3	20.0
3 22	10 53.22	−19 52.9	0.661	1.616	15.8	19.6
4 1	10 15.92	−18 20.8	0.582	1.500	24.4	19.4
4 11	9 36.19	−15 30.0	0.531	1.378	36.4	19.4

101340 1998 TN_{4} 3 11.2 251°.09 0°.3/11.5 17

2 1	11 49.76	+ 0 35.2	2.100	2.872	14.3	20.2
2 11	11 46.31	+ 0 51.9	2.006	2.870	11.4	20.0
2 21	11 40.75	+ 1 22.2	1.934	2.868	7.9	19.8
3 2	11 33.55	+ 2 3.3	1.887	2.865	4.0	19.5
3 12	11 25.49	+ 2 50.3	1.869	2.863	0.4	19.2
3 22	11 17.42	+ 3 37.8	1.880	2.860	4.4	19.5
4 1	11 10.26	+ 4 20.2	1.919	2.858	8.4	19.8
4 11	11 4.75	+ 4 52.9	1.982	2.855	11.9	20.0

123389 2000 WG_{71} 3 11.2 111°.32 2°.8/13.9 18

2 1	11 51.98	− 5 55.2	2.051	2.793	15.6	19.9
2 11	11 48.04	− 6 5.2	1.963	2.801	12.7	19.8
2 21	11 41.92	− 5 58.5	1.895	2.809	9.4	19.6
3 2	11 34.11	− 5 35.7	1.853	2.817	5.8	19.3
3 12	11 25.44	− 5 0.0	1.838	2.825	2.9	19.2
3 22	11 16.82	− 4 16.2	1.852	2.833	4.4	19.3
4 1	11 9.21	− 3 30.1	1.894	2.840	8.0	19.5
4 11	11 3.34	− 2 47.6	1.961	2.847	11.4	19.7

35648 1998 KR_{68} 3 11.2 240°.16 3°.0/ 7.4 18

2 1	11 49.97	+ 9 48.7	2.493	3.283	11.8	19.5
2 11	11 46.24	+10 52.2	2.388	3.266	9.2	19.3
2 21	11 40.61	+12 4.4	2.308	3.250	6.3	19.1
3 2	11 33.48	+13 20.2	2.256	3.232	3.6	18.9
3 12	11 25.49	+14 32.9	2.233	3.214	3.5	18.8
3 22	11 17.41	+15 36.5	2.241	3.195	6.2	19.0
4 1	11 10.04	+16 26.0	2.277	3.176	9.3	19.1
4 11	11 4.08	+16 58.4	2.337	3.156	12.2	19.3

133987 2004 TQ_{336} 3 11.2 268°.13 2°.2/ 9.4 18

2 1	11 52.54	+ 5 56.5	1.540	2.344	17.2	20.2
2 11	11 49.38	+ 6 32.0	1.452	2.338	13.6	19.9
2 21	11 43.36	+ 7 22.1	1.385	2.331	9.3	19.7
3 2	11 35.01	+ 8 21.1	1.343	2.324	4.5	19.4
3 12	11 25.36	+ 9 20.5	1.326	2.317	2.6	19.2
3 22	11 15.69	+10 11.9	1.337	2.310	7.0	19.5
4 1	11 7.30	+10 48.1	1.373	2.303	11.8	19.7
4 11	11 1.23	+11 5.0	1.431	2.296	16.1	20.0

457706 2009 FP_{13} 3 11.2 336°.37 0°.6/11.6 16

2 1	11 54.54	+ 1 39.1	1.495	2.285	18.3	21.4
2 11	11 51.01	+ 1 27.0	1.409	2.282	14.7	21.2
2 21	11 44.50	+ 1 29.7	1.342	2.280	10.3	20.9
3 2	11 35.57	+ 1 44.9	1.299	2.277	5.2	20.6
3 12	11 25.31	+ 2 7.5	1.282	2.275	0.7	20.2
3 22	11 15.06	+ 2 31.6	1.291	2.273	5.7	20.6
4 1	11 6.18	+ 2 50.9	1.326	2.271	10.7	20.9
4 11	10 59.72	+ 3 0.3	1.384	2.270	15.2	21.1

501460 2014 AS_{47} 3 11.2 321°.24 3°.9/ 6.5 17

2 1	11 47.43	+12 19.5	2.242	3.047	12.5	21.2
2 11	11 44.36	+13 27.0	2.158	3.045	9.7	21.0
2 21	11 39.34	+14 41.2	2.099	3.043	6.7	20.8
3 2	11 32.84	+15 55.8	2.068	3.041	4.3	20.7
3 12	11 25.56	+17 3.6	2.065	3.039	4.5	20.7
3 22	11 18.34	+17 58.6	2.090	3.037	7.0	20.8
4 1	11 11.97	+18 36.3	2.142	3.036	10.1	21.0
4 11	11 7.13	+18 54.9	2.217	3.034	12.9	21.2

155217 2005 VH_5 3 11.2 153°.92 0°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.33	+ 0 6.0	2.023	2.793	14.9	21.0
2 11	11 47.58	+ 0 21.5	1.933	2.795	11.9	20.8
2 21	11 41.64	+ 0 51.2	1.865	2.798	8.2	20.6
3 2	11 34.00	+ 1 32.2	1.823	2.800	4.2	20.3
3 12	11 25.46	+ 2 19.8	1.809	2.803	0.5	20.0
3 22	11 16.98	+ 3 8.2	1.824	2.805	4.5	20.3
4 1	11 9.48	+ 3 51.5	1.867	2.806	8.5	20.6
4 11	11 3.72	+ 4 25.0	1.935	2.808	12.1	20.8

462021 2007 AG_{10} 3 11.2 84°.95 6°.7/ 4.1 18

2 1	11 53.08	+17 44.2	1.796	2.610	14.7	21.0
2 11	11 49.09	+19 29.8	1.748	2.635	11.6	20.8
2 21	11 42.64	+21 17.1	1.724	2.660	8.6	20.7
3 2	11 34.42	+22 56.0	1.726	2.684	6.8	20.6
3 12	11 25.44	+24 16.4	1.756	2.707	7.5	20.7
3 22	11 16.80	+25 12.0	1.813	2.731	10.0	20.9
4 1	11 9.49	+25 40.0	1.894	2.754	12.8	21.1
4 11	11 4.24	+25 41.8	1.996	2.776	15.3	21.4

170297 2003 SL_{11} 3 11.2 98°.02 1°.0/12.0 18

2 1	11 55.45	− 0 58.6	1.719	2.488	17.1	20.7
2 11	11 51.04	− 0 51.1	1.646	2.507	13.7	20.5
2 21	11 44.07	− 0 27.0	1.594	2.525	9.5	20.3
3 2	11 35.18	+ 0 10.6	1.567	2.543	5.0	20.0
3 12	11 25.38	+ 0 56.4	1.568	2.561	1.0	19.8
3 22	11 15.82	+ 1 43.7	1.597	2.578	4.9	20.1
4 1	11 7.57	+ 2 26.2	1.653	2.595	9.2	20.4
4 11	11 1.46	+ 2 58.7	1.733	2.611	13.0	20.6

503053 2015 FS_{165} 3 11.2 138°.12 3°.7/ 6.9 17

2 1	11 50.96	+14 1.4	2.453	3.249	11.8	21.1
2 11	11 46.86	+14 43.9	2.372	3.252	9.2	21.0
2 21	11 40.90	+15 29.9	2.316	3.256	6.4	20.8
3 2	11 33.55	+16 14.2	2.287	3.259	4.1	20.6
3 12	11 25.52	+16 51.3	2.288	3.262	4.1	20.6
3 22	11 17.60	+17 16.7	2.317	3.265	6.4	20.8
4 1	11 10.54	+17 27.6	2.374	3.268	9.2	21.0
4 11	11 4.98	+17 23.0	2.455	3.271	11.8	21.1

228330 2000 RQ_{34} 3 11.2 213°.83 1°.1/12.5 17 R

2 1	11 51.59	− 2 30.8	2.591	3.333	12.7	21.4
2 11	11 47.37	− 2 14.9	2.480	3.324	10.2	21.2
2 21	11 41.31	− 1 45.8	2.392	3.314	7.3	21.0
3 2	11 33.81	− 1 5.2	2.332	3.304	4.0	20.8
3 12	11 25.49	− 0 16.7	2.301	3.293	1.1	20.6
3 22	11 17.11	+ 0 35.2	2.300	3.281	3.7	20.7
4 1	11 9.43	+ 1 25.5	2.330	3.269	7.1	20.9
4 11	11 3.10	+ 2 9.8	2.386	3.255	10.3	21.1

27721 1989 WJ 3 11.2 71°.70 9°.2/ 2.8 18 R

2 1	11 56.14	+25 16.4	1.678	2.493	15.5	18.1
2 11	11 51.83	+26 43.6	1.628	2.507	12.8	17.9
2 21	11 44.68	+28 5.7	1.601	2.521	10.4	17.8
3 2	11 35.47	+29 11.6	1.599	2.536	9.2	17.8
3 12	11 25.37	+29 52.1	1.622	2.550	10.0	17.8
3 22	11 15.68	+30 2.4	1.670	2.564	12.2	18.0
4 1	11 7.57	+29 42.2	1.740	2.579	14.7	18.2
4 11	11 1.87	+28 55.2	1.830	2.593	17.1	18.4

342916 2008 YN_{155} 3 11.2 310°.03 1°.7/ 9.4 17

2 1	11 47.69	+ 5 36.9	2.109	2.901	13.6	21.3
2 11	11 44.73	+ 6 16.0	2.014	2.893	10.7	21.1
2 21	11 39.70	+ 7 6.5	1.942	2.885	7.2	20.9
3 2	11 33.07	+ 8 3.8	1.897	2.878	3.5	20.6
3 12	11 25.57	+ 9 1.9	1.880	2.870	2.0	20.5
3 22	11 18.05	+ 9 54.4	1.891	2.863	5.5	20.7
4 1	11 11.41	+10 35.9	1.930	2.856	9.2	20.9
4 11	11 6.36	+11 2.9	1.993	2.849	12.6	21.1

522310 2016 BO_{101} 3 11.2 39°.39 1°.9/ 9.4 18

2 1	11 46.62	+ 2 26.2	1.534	2.339	17.2	21.2
2 11	11 44.52	+ 3 40.3	1.461	2.347	13.5	21.0
2 21	11 39.85	+ 5 14.2	1.410	2.356	9.0	20.7
3 2	11 33.20	+ 7 0.6	1.383	2.365	4.3	20.5
3 12	11 25.56	+ 8 48.9	1.383	2.374	2.3	20.3
3 22	11 18.06	+10 28.2	1.411	2.384	6.7	20.6
4 1	11 11.82	+11 49.2	1.464	2.394	11.2	20.9
4 11	11 7.66	+12 46.8	1.540	2.404	15.1	21.2

188731 2005 US_{54} 3 11.2 172°.91 4°.9/ 6.3 18

2 1	11 56.66	+17 11.4	2.266	3.059	12.7	20.2
2 11	11 51.50	+17 57.0	2.186	3.062	10.1	20.0
2 21	11 44.16	+18 44.2	2.130	3.065	7.3	19.8
3 2	11 35.18	+19 26.7	2.102	3.067	5.1	19.7
3 12	11 25.40	+19 58.1	2.103	3.068	5.3	19.7
3 22	11 15.75	+20 13.8	2.132	3.069	7.6	19.8
4 1	11 7.17	+20 11.4	2.189	3.069	10.5	20.0
4 11	11 0.36	+19 51.1	2.270	3.069	13.2	20.2

1756 Giacobini 3 11.2 119°.88 2°.3/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.87	− 5 26.6	2.138	2.875	15.1	16.8
2 11	11 49.33	− 5 22.6	2.056	2.893	12.3	16.6
2 21	11 42.68	− 5 2.1	1.996	2.911	8.9	16.4
3 2	11 34.45	− 4 26.5	1.961	2.928	5.3	16.2
3 12	11 25.46	− 3 39.6	1.955	2.944	2.4	16.1
3 22	11 16.61	− 2 46.8	1.979	2.960	4.2	16.2
4 1	11 8.79	− 1 53.8	2.031	2.975	7.7	16.5
4 11	11 2.69	− 1 6.4	2.110	2.989	11.0	16.7

32812 1990 UY_4 3 11.2 152°.97 3°.5/ 7.8 18

2 1	11 55.12	+ 9 45.7	1.892	2.686	14.8	19.5
2 11	11 50.67	+10 46.5	1.815	2.695	11.6	19.3
2 21	11 43.80	+11 56.5	1.761	2.703	7.9	19.0
3 2	11 35.06	+13 9.0	1.734	2.711	4.4	18.8
3 12	11 25.41	+14 15.6	1.735	2.717	4.0	18.8
3 22	11 15.90	+15 9.1	1.766	2.723	7.2	19.0
4 1	11 7.58	+15 44.6	1.823	2.729	10.9	19.3
4 11	11 1.24	+16 0.2	1.903	2.733	14.1	19.5

386145 2007 TU_{168} 3 11.2 89°.15 3°.2/ 7.9 18

2 1	11 53.46	+12 22.4	2.316	3.107	12.6	21.0
2 11	11 48.78	+12 53.6	2.246	3.124	9.8	20.9
2 21	11 42.17	+13 28.9	2.199	3.140	6.7	20.7
3 2	11 34.15	+14 3.2	2.181	3.156	3.9	20.5
3 12	11 25.50	+14 31.2	2.191	3.172	3.5	20.5
3 22	11 17.06	+14 48.9	2.231	3.187	6.0	20.7
4 1	11 9.62	+14 53.5	2.298	3.203	9.0	20.9
4 11	11 3.80	+14 44.2	2.391	3.218	11.7	21.1

141136 2001 XX_{92} 3 11.2 193°.32 3°.9/16.2 17

2 1	11 48.17	−12 17.7	2.744	3.439	13.1	20.9
2 11	11 44.61	−12 24.6	2.638	3.437	11.0	20.8
2 21	11 39.36	−12 15.3	2.553	3.436	8.6	20.6
3 2	11 32.84	−11 49.4	2.493	3.434	6.1	20.4
3 12	11 25.61	−11 8.6	2.461	3.432	4.2	20.3
3 22	11 18.36	−10 16.5	2.458	3.429	4.4	20.3
4 1	11 11.77	− 9 17.7	2.484	3.427	6.5	20.4
4 11	11 6.43	− 8 17.6	2.537	3.424	9.1	20.6

520995 2015 BJ_{325} 3 11.2 225°.16 2°.2/ 8.9 17

2 1	11 51.00	+ 7 40.9	2.177	2.966	13.3	21.7
2 11	11 47.24	+ 8 18.9	2.083	2.961	10.4	21.5
2 21	11 41.38	+ 9 6.2	2.014	2.956	7.1	21.3
3 2	11 33.89	+ 9 57.8	1.971	2.950	3.6	21.1
3 12	11 25.54	+10 48.0	1.957	2.945	2.5	21.0
3 22	11 17.20	+11 30.8	1.972	2.939	5.7	21.2
4 1	11 9.75	+12 1.6	2.014	2.933	9.3	21.4
4 11	11 3.94	+12 17.5	2.081	2.926	12.5	21.6

279951 2001 SO_{179} 3 11.2 100°.90 8°.0/ 5.0 18

2 1	12 2.79	+22 0.0	1.632	2.437	16.4	20.9
2 11	11 56.90	+23 11.3	1.583	2.460	13.2	20.7
2 21	11 48.05	+24 19.7	1.556	2.483	10.1	20.6
3 2	11 37.08	+25 14.5	1.555	2.506	8.1	20.5
3 12	11 25.28	+25 46.6	1.581	2.527	8.6	20.6
3 22	11 14.05	+25 51.4	1.632	2.549	11.0	20.8
4 1	11 4.61	+25 28.7	1.708	2.569	13.9	21.0
4 11	10 57.77	+24 42.1	1.805	2.589	16.6	21.2

495650 2016 AV_{51} 3 11.2 112°.09 3°.9/ 7.6 18

2 1	11 53.65	+ 9 30.1	1.661	2.466	16.1	21.8
2 11	11 49.80	+10 41.1	1.593	2.480	12.5	21.6
2 21	11 43.32	+12 2.8	1.548	2.493	8.5	21.4
3 2	11 34.86	+13 27.0	1.529	2.507	4.8	21.2
3 12	11 25.47	+14 43.8	1.538	2.519	4.5	21.2
3 22	11 16.30	+15 45.1	1.574	2.532	7.9	21.5
4 1	11 8.49	+16 25.4	1.636	2.544	11.7	21.7
4 11	11 2.84	+16 42.8	1.720	2.556	15.2	22.0

309799 2009 BT_{41} 3 11.2 86°.99 1°.4/10.1 18

2 1	11 55.33	+ 4 5.2	1.550	2.343	17.6	21.2
2 11	11 51.18	+ 4 38.5	1.485	2.363	13.8	21.0
2 21	11 44.28	+ 5 26.3	1.440	2.382	9.3	20.8
3 2	11 35.32	+ 6 22.9	1.421	2.402	4.4	20.6
3 12	11 25.43	+ 7 20.3	1.429	2.421	1.7	20.4
3 22	11 15.86	+ 8 10.8	1.464	2.440	6.2	20.7
4 1	11 7.77	+ 8 48.0	1.526	2.459	10.6	21.0
4 11	11 1.99	+ 9 8.5	1.611	2.477	14.5	21.3

202603 2006 HL_{24} 3 11.2 241°.24 1°.5/ 9.7 18

2 1	11 49.16	+ 5 2.6	2.142	2.929	13.6	20.7
2 11	11 45.81	+ 5 40.6	2.050	2.926	10.7	20.5
2 21	11 40.41	+ 6 29.9	1.982	2.923	7.2	20.2
3 2	11 33.42	+ 7 26.2	1.940	2.921	3.5	20.0
3 12	11 25.59	+ 8 23.4	1.927	2.918	1.7	19.9
3 22	11 17.78	+ 9 15.6	1.943	2.915	5.2	20.1
4 1	11 10.87	+ 9 57.4	1.986	2.912	8.9	20.3
4 11	11 5.55	+10 25.2	2.054	2.909	12.3	20.5

370725 2004 RC_{58} 3 11.2 109°.92 1°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.33	+ 3 34.8	2.269	3.043	13.3	21.7
2 11	11 47.18	+ 4 19.8	2.195	3.063	10.4	21.5
2 21	11 41.12	+ 5 15.9	2.144	3.083	7.0	21.3
3 2	11 33.68	+ 6 18.8	2.121	3.101	3.3	21.1
3 12	11 25.58	+ 7 22.5	2.128	3.120	1.3	21.0
3 22	11 17.66	+ 8 21.2	2.165	3.138	4.7	21.3
4 1	11 10.68	+ 9 9.9	2.230	3.155	8.1	21.5
4 11	11 5.27	+ 9 45.4	2.320	3.172	11.2	21.7

501010 2013 RW_{36} 3 11.2 217°.48 0°.1/11.1 17

2 1	11 51.12	+ 0 53.8	2.362	3.125	13.2	23.0
2 11	11 47.20	+ 1 25.2	2.257	3.117	10.5	22.8
2 21	11 41.31	+ 2 9.8	2.174	3.107	7.2	22.6
3 2	11 33.87	+ 3 4.7	2.119	3.097	3.6	22.3
3 12	11 25.56	+ 4 4.8	2.093	3.087	0.4	22.0
3 22	11 17.18	+ 5 4.7	2.097	3.075	4.3	22.3
4 1	11 9.58	+ 5 58.7	2.131	3.064	8.0	22.5
4 11	11 3.47	+ 6 42.2	2.190	3.051	11.4	22.7

491047 2011 QE_{36} 3 11.2 208°.16 0°.2/10.9 17

2 1	11 48.17	+ 1 38.5	2.893	3.653	11.1	22.4
2 11	11 44.46	+ 2 7.0	2.789	3.648	8.7	22.2
2 21	11 39.19	+ 2 45.6	2.710	3.642	6.0	22.0
3 2	11 32.74	+ 3 31.6	2.658	3.636	2.9	21.8
3 12	11 25.66	+ 4 21.1	2.637	3.630	0.4	21.6
3 22	11 18.57	+ 5 9.9	2.646	3.623	3.6	21.8
4 1	11 12.09	+ 5 54.0	2.684	3.616	6.7	22.0
4 11	11 6.77	+ 6 29.8	2.750	3.609	9.4	22.2

199472 2006 DT_{64} 3 11.2 215°.36 1°.5/ 9.6 17

2 1	11 49.22	+ 4 44.8	2.131	2.917	13.7	20.6
2 11	11 45.88	+ 5 30.0	2.039	2.915	10.7	20.3
2 21	11 40.47	+ 6 27.3	1.970	2.912	7.2	20.1
3 2	11 33.46	+ 7 32.2	1.928	2.909	3.5	19.9
3 12	11 25.60	+ 8 38.2	1.915	2.905	1.8	19.8
3 22	11 17.75	+ 9 38.8	1.930	2.902	5.3	20.0
4 1	11 10.79	+10 28.5	1.973	2.898	9.1	20.2
4 11	11 5.44	+11 3.2	2.041	2.894	12.4	20.4

292002 2006 QJ_{117} 3 11.2 240°.89 1°.1/12.2 17

2 1	11 52.52	− 1 52.8	2.009	2.768	15.3	21.5
2 11	11 48.78	− 1 37.8	1.899	2.754	12.4	21.2
2 21	11 42.68	− 1 6.4	1.811	2.739	8.8	21.0
3 2	11 34.66	− 0 20.4	1.749	2.724	4.7	20.7
3 12	11 25.49	+ 0 35.6	1.715	2.707	1.1	20.4
3 22	11 16.16	+ 1 35.7	1.709	2.691	4.6	20.6
4 1	11 7.72	+ 2 33.0	1.732	2.673	9.0	20.8
4 11	11 1.05	+ 3 21.2	1.780	2.655	12.9	21.0

273019 2006 DE_{91} 3 11.2 334°.71 0°.4/11.5 17 R

2 1	11 46.56	+ 0 4.0	1.625	2.419	16.9	20.5
2 11	11 44.54	+ 0 20.0	1.531	2.407	13.6	20.2
2 21	11 40.00	+ 0 54.0	1.457	2.396	9.5	19.9
3 2	11 33.39	+ 1 43.1	1.406	2.385	4.8	19.6
3 12	11 25.61	+ 2 41.3	1.382	2.376	0.5	19.3
3 22	11 17.75	+ 3 41.1	1.384	2.367	5.3	19.6
4 1	11 10.97	+ 4 34.5	1.412	2.358	10.1	19.9
4 11	11 6.22	+ 5 15.0	1.463	2.351	14.4	20.1

134875 2000 QE_{112} 3 11.2 122°.44 0°.3/10.9 18

2 1	11 50.55	+ 2 57.5	2.857	3.618	11.2	20.7
2 11	11 46.18	+ 3 15.1	2.774	3.633	8.8	20.5
2 21	11 40.27	+ 3 41.1	2.714	3.647	6.0	20.3
3 2	11 33.23	+ 4 12.8	2.683	3.661	2.9	20.2
3 12	11 25.65	+ 4 46.6	2.682	3.675	0.5	20.0
3 22	11 18.17	+ 5 18.8	2.711	3.688	3.6	20.2
4 1	11 11.42	+ 5 46.1	2.770	3.701	6.5	20.5
4 11	11 5.91	+ 6 5.7	2.856	3.713	9.1	20.6

505988 2015 GO_{33} 3 11.2 106°.75 1°.7/ 9.1 17

2 1	11 46.87	+ 5 11.3	2.365	3.151	12.5	21.2
2 11	11 43.78	+ 6 7.1	2.279	3.155	9.7	21.0
2 21	11 38.88	+ 7 13.8	2.216	3.158	6.5	20.8
3 2	11 32.63	+ 8 26.7	2.181	3.162	3.2	20.6
3 12	11 25.70	+ 9 39.5	2.176	3.165	2.0	20.5
3 22	11 18.81	+10 46.2	2.200	3.169	5.1	20.7
4 1	11 12.71	+11 41.7	2.252	3.172	8.4	20.9
4 11	11 8.03	+12 22.5	2.329	3.176	11.3	21.1

8972 Sylvatica 3 11.2 208°.78 1°.1/12.1 18

2 1	11 53.74	− 2 16.6	1.680	2.449	17.5	18.9
2 11	11 50.13	− 1 57.8	1.585	2.445	14.1	18.6
2 21	11 43.80	− 1 19.1	1.509	2.440	10.0	18.4
3 2	11 35.26	− 0 22.9	1.458	2.434	5.3	18.1
3 12	11 25.46	+ 0 45.0	1.435	2.428	1.1	17.8
3 22	11 15.58	+ 1 56.9	1.439	2.421	5.2	18.0
4 1	11 6.86	+ 3 4.0	1.470	2.413	10.1	18.3
4 11	11 0.30	+ 3 59.1	1.526	2.405	14.4	18.5

383730 2007 UW_{122} 3 11.2 88°.79 0°.0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.61	+ 1 1.6	2.388	3.154	13.0	22.0
2 11	11 45.76	+ 1 27.2	2.311	3.172	10.2	21.9
2 21	11 40.13	+ 2 4.3	2.256	3.190	7.0	21.7
3 2	11 33.20	+ 2 49.8	2.229	3.207	3.4	21.5
3 12	11 25.65	+ 3 39.0	2.231	3.224	0.3	21.3
3 22	11 18.25	+ 4 27.1	2.263	3.242	3.9	21.6
4 1	11 11.71	+ 5 9.4	2.323	3.259	7.3	21.8
4 11	11 6.61	+ 5 42.2	2.410	3.275	10.3	22.0

122237 2000 OY_{11} 3 11.2 181°.31 0°.9/10.2 18

2 1	11 54.03	+ 2 51.4	2.111	2.882	14.3	21.0
2 11	11 49.65	+ 3 34.2	2.018	2.884	11.3	20.8
2 21	11 43.06	+ 4 30.6	1.948	2.885	7.7	20.6
3 2	11 34.75	+ 5 36.2	1.905	2.885	3.7	20.3
3 12	11 25.52	+ 6 44.7	1.892	2.884	1.2	20.2
3 22	11 16.31	+ 7 49.5	1.908	2.882	5.1	20.4
4 1	11 8.07	+ 8 44.4	1.953	2.880	9.0	20.7
4 11	11 1.56	+ 9 25.2	2.023	2.876	12.5	20.9

246258 2007 TU_{14} 3 11.2 204°.27 1°.0/10.3 18

2 1	11 54.54	+ 3 36.0	2.089	2.862	14.4	21.7
2 11	11 50.15	+ 4 7.7	1.990	2.856	11.4	21.5
2 21	11 43.48	+ 4 52.2	1.914	2.851	7.8	21.2
3 2	11 34.99	+ 5 45.3	1.864	2.844	3.7	21.0
3 12	11 25.50	+ 6 41.2	1.844	2.836	1.2	20.8
3 22	11 15.97	+ 7 33.8	1.853	2.828	5.2	21.0
4 1	11 7.38	+ 8 17.2	1.891	2.819	9.2	21.2
4 11	11 0.57	+ 8 47.3	1.954	2.809	12.8	21.5

135337 2001 TE_{14} 3 11.2 209°.83 0°.9/10.4 18

2 1	11 51.72	+ 3 36.6	1.973	2.755	14.8	20.1
2 11	11 48.02	+ 4 2.3	1.881	2.753	11.7	19.9
2 21	11 42.04	+ 4 40.5	1.811	2.750	7.9	19.6
3 2	11 34.28	+ 5 27.5	1.768	2.748	3.8	19.4
3 12	11 25.56	+ 6 17.3	1.752	2.745	1.1	19.2
3 22	11 16.86	+ 7 3.8	1.766	2.742	5.2	19.5
4 1	11 9.15	+ 7 41.4	1.807	2.739	9.3	19.7
4 11	11 3.25	+ 8 6.0	1.872	2.736	12.9	19.9

23883 1998 SL_{12} 3 11.2 233°.06 0°.3/10.8 18

2 1	11 49.12	+ 1 45.0	2.211	2.986	13.6	18.9
2 11	11 45.74	+ 2 15.2	2.114	2.981	10.8	18.7
2 21	11 40.36	+ 2 58.6	2.039	2.976	7.4	18.5
3 2	11 33.42	+ 3 51.6	1.991	2.971	3.6	18.2
3 12	11 25.64	+ 4 49.2	1.972	2.965	0.6	17.9
3 22	11 17.84	+ 5 45.4	1.982	2.960	4.5	18.2
4 1	11 10.87	+ 6 34.7	2.020	2.954	8.3	18.5
4 11	11 5.46	+ 7 12.6	2.083	2.948	11.7	18.7

51417 2001 EG_{17} 3 11.2 65°.04 17°.6/ 3.9 18

2 1	12 19.30	+38 10.4	1.048	1.851	23.7	18.4
2 11	12 12.09	+39 30.6	1.012	1.862	21.0	18.2
2 21	11 59.41	+40 26.6	0.991	1.874	18.8	18.1
3 2	11 42.77	+40 38.5	0.989	1.887	17.7	18.1
3 12	11 24.88	+39 53.4	1.007	1.899	18.2	18.1
3 22	11 8.65	+38 11.7	1.044	1.912	20.0	18.3
4 1	10 56.24	+35 43.8	1.101	1.925	22.4	18.5
4 11	10 48.57	+32 45.8	1.175	1.937	24.9	18.7

112657 2002 PO_{86} 3 11.2 283°.13 0°.5/11.6 17

2 1	11 50.29	− 0 33.0	1.677	2.459	17.0	20.1
2 11	11 47.58	− 0 13.8	1.569	2.438	13.7	19.8
2 21	11 42.21	+ 0 24.5	1.481	2.417	9.7	19.5
3 2	11 34.57	+ 1 19.4	1.418	2.396	5.0	19.2
3 12	11 25.53	+ 2 25.2	1.381	2.374	0.5	18.8
3 22	11 16.23	+ 3 34.2	1.371	2.353	5.5	19.1
4 1	11 7.92	+ 4 37.8	1.388	2.331	10.5	19.3
4 11	11 1.69	+ 5 28.4	1.428	2.309	15.1	19.5

238481 2004 RP_{173} 3 11.2 212°.24 0°.2/11.4 17

2 1	11 55.11	+ 0 34.6	1.958	2.723	15.4	22.0
2 11	11 50.81	+ 0 53.0	1.856	2.716	12.4	21.8
2 21	11 44.06	+ 1 26.4	1.776	2.708	8.6	21.5
3 2	11 35.33	+ 2 12.0	1.722	2.700	4.3	21.2
3 12	11 25.47	+ 3 4.5	1.697	2.690	0.4	20.9
3 22	11 15.53	+ 3 57.6	1.700	2.680	4.9	21.2
4 1	11 6.58	+ 4 44.9	1.733	2.669	9.3	21.4
4 11	10 59.53	+ 5 21.1	1.789	2.657	13.2	21.7

338164 2002 RP_{35} 3 11.2 208°.10 2°.5/14.2 18

2 1	11 50.33	− 7 6.4	2.748	3.467	12.5	21.7
2 11	11 46.29	− 7 7.2	2.638	3.461	10.3	21.6
2 21	11 40.54	− 6 54.1	2.550	3.455	7.7	21.4
3 2	11 33.46	− 6 27.6	2.489	3.448	4.9	21.2
3 12	11 25.64	− 5 50.1	2.456	3.441	2.6	21.0
3 22	11 17.76	− 5 5.2	2.454	3.433	3.7	21.1
4 1	11 10.54	− 4 17.2	2.481	3.424	6.5	21.2
4 11	11 4.59	− 3 31.1	2.536	3.415	9.4	21.4

500630 2012 UU_{163} 3 11.2 151°.56 3°.6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.54	−10 41.1	2.579	3.287	13.5	21.9
2 11	11 44.98	−10 48.0	2.480	3.290	11.3	21.8
2 21	11 39.67	−10 38.4	2.402	3.293	8.7	21.6
3 2	11 33.03	−10 12.5	2.348	3.296	6.0	21.4
3 12	11 25.68	− 9 32.4	2.323	3.299	3.9	21.3
3 22	11 18.33	− 8 41.8	2.327	3.302	4.3	21.3
4 1	11 11.72	− 7 45.6	2.360	3.305	6.7	21.5
4 11	11 6.44	− 6 49.5	2.420	3.307	9.4	21.6

150122 1994 CC_2 3 11.2 340°.66 4°.3/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 32.39	+ 1 38.0	1.124	1.972	19.4	17.8
2 11	11 34.33	+ 3 54.2	1.032	1.945	15.2	17.5
2 21	11 33.56	+ 6 51.8	0.960	1.919	10.2	17.1
3 2	11 30.44	+10 20.6	0.912	1.895	5.2	16.7
3 12	11 25.88	+14 0.7	0.888	1.874	5.7	16.7
3 22	11 21.15	+17 27.7	0.890	1.854	11.2	16.9
4 1	11 17.67	+20 19.7	0.914	1.838	16.9	17.1
4 11	11 16.66	+22 24.1	0.956	1.823	21.9	17.4

162937 Prêtre 3 11.2 139°.50 0°.0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.53	+ 1 12.7	2.989	3.743	10.9	21.7
2 11	11 45.36	+ 1 40.1	2.902	3.757	8.6	21.6
2 21	11 39.70	+ 2 16.9	2.839	3.769	5.9	21.4
3 2	11 32.97	+ 3 0.5	2.804	3.781	2.9	21.2
3 12	11 25.71	+ 3 47.2	2.799	3.793	0.3	21.0
3 22	11 18.53	+ 4 33.0	2.826	3.804	3.3	21.3
4 1	11 12.02	+ 5 14.2	2.883	3.815	6.2	21.5
4 11	11 6.67	+ 5 47.7	2.967	3.825	8.8	21.7

199515 2006 DF_{135} 3 11.2 108°.06 0°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.91	+ 1 34.1	2.087	2.858	14.4	20.9
2 11	11 47.92	+ 1 50.4	2.004	2.868	11.4	20.7
2 21	11 41.81	+ 2 19.2	1.943	2.878	7.8	20.5
3 2	11 34.11	+ 2 57.3	1.909	2.887	3.9	20.3
3 12	11 25.61	+ 3 39.8	1.903	2.897	0.3	20.0
3 22	11 17.23	+ 4 21.4	1.926	2.906	4.5	20.3
4 1	11 9.84	+ 4 57.0	1.978	2.915	8.3	20.6
4 11	11 4.15	+ 5 22.5	2.054	2.923	11.7	20.8

173309 1999 VK_{22} 3 11.2 137°.18 3°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.96	− 9 55.8	2.328	3.036	14.8	21.2
2 11	11 49.30	− 9 49.4	2.240	3.053	12.3	21.0
2 21	11 42.64	− 9 24.5	2.173	3.070	9.3	20.8
3 2	11 34.49	− 8 41.9	2.132	3.085	6.0	20.7
3 12	11 25.59	− 7 44.8	2.119	3.100	3.5	20.5
3 22	11 16.80	− 6 38.1	2.136	3.114	4.3	20.6
4 1	11 8.94	− 5 28.2	2.183	3.126	7.2	20.8
4 11	11 2.69	− 4 21.5	2.257	3.138	10.3	21.0

504237 2006 UF_{239} 3 11.2 199°.74 2°.8/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.89	− 9 45.7	3.049	3.752	11.7	22.5
2 11	11 44.21	− 9 38.7	2.938	3.748	9.7	22.3
2 21	11 39.03	− 9 17.4	2.850	3.744	7.4	22.2
3 2	11 32.70	− 8 42.2	2.788	3.739	4.9	22.0
3 12	11 25.75	− 7 55.4	2.755	3.734	3.0	21.9
3 22	11 18.77	− 7 0.5	2.752	3.729	3.5	21.9
4 1	11 12.36	− 6 1.6	2.779	3.723	5.9	22.0
4 11	11 7.07	− 5 3.7	2.834	3.716	8.4	22.2

426037 2011 SO_{103} 3 11.2 232°.42 0°.8/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.65	− 3 21.0	2.897	3.639	11.4	21.4
2 11	11 43.35	− 2 39.0	2.782	3.627	9.2	21.2
2 21	11 38.51	− 1 42.9	2.692	3.615	6.5	21.0
3 2	11 32.47	− 0 35.1	2.629	3.602	3.5	20.8
3 12	11 25.77	+ 0 40.5	2.596	3.589	0.8	20.6
3 22	11 19.00	+ 1 58.9	2.595	3.575	3.3	20.8
4 1	11 12.81	+ 3 14.7	2.623	3.561	6.5	20.9
4 11	11 7.75	+ 4 23.1	2.679	3.547	9.3	21.1

87895 2000 SP_{298} 3 11.2 292°.00 0°.4/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.29	+ 3 6.2	1.816	2.593	16.0	19.4
2 11	11 52.09	+ 2 46.9	1.707	2.574	12.9	19.2
2 21	11 45.18	+ 2 37.7	1.620	2.555	9.1	18.9
3 2	11 36.01	+ 2 36.9	1.557	2.536	4.6	18.6
3 12	11 25.46	+ 2 40.7	1.523	2.517	0.4	18.2
3 22	11 14.69	+ 2 45.1	1.517	2.498	5.2	18.5
4 1	11 4.93	+ 2 45.6	1.538	2.479	9.9	18.8
4 11	10 57.25	+ 2 38.4	1.584	2.460	14.2	19.0

176560 2002 AW_{140} 3 11.2 138°.03 3°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.30	− 9 45.3	2.619	3.331	13.2	20.7
2 11	11 44.76	− 9 50.5	2.520	3.335	11.0	20.5
2 21	11 39.51	− 9 39.8	2.444	3.340	8.4	20.3
3 2	11 32.96	− 9 13.7	2.392	3.344	5.6	20.2
3 12	11 25.73	− 8 34.5	2.369	3.347	3.5	20.0
3 22	11 18.51	− 7 45.7	2.375	3.351	4.1	20.1
4 1	11 12.01	− 6 52.3	2.410	3.355	6.6	20.2
4 11	11 6.82	− 5 59.5	2.471	3.358	9.3	20.4

26823 1988 SS_2 3 11.2 165°.54 0°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.19	+ 1 11.3	1.739	2.518	16.6	19.7
2 11	11 50.26	+ 1 46.8	1.654	2.522	13.2	19.5
2 21	11 43.73	+ 2 39.3	1.589	2.526	9.0	19.2
3 2	11 35.18	+ 3 44.5	1.550	2.530	4.4	19.0
3 12	11 25.55	+ 4 55.3	1.539	2.533	0.7	18.7
3 22	11 15.98	+ 6 3.5	1.557	2.535	5.5	19.0
4 1	11 7.61	+ 7 1.8	1.601	2.536	10.0	19.3
4 11	11 1.33	+ 7 44.8	1.670	2.537	14.0	19.5

239453 2007 TY_{229} 3 11.2 187°.02 0°.3/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.35	+ 2 14.3	2.524	3.292	12.3	22.0
2 11	11 45.62	+ 2 40.7	2.428	3.291	9.7	21.8
2 21	11 40.11	+ 3 17.9	2.356	3.291	6.6	21.6
3 2	11 33.27	+ 4 2.9	2.311	3.290	3.2	21.4
3 12	11 25.71	+ 4 51.2	2.296	3.289	0.5	21.2
3 22	11 18.18	+ 5 38.1	2.310	3.287	4.0	21.5
4 1	11 11.39	+ 6 19.0	2.353	3.286	7.4	21.7
4 11	11 5.96	+ 6 50.4	2.423	3.284	10.4	21.9

417004 2005 TS_{191} 3 11.2 294°.53 8°.9/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.01	+25 4.4	1.779	2.591	14.9	20.8
2 11	11 51.92	+26 16.7	1.703	2.580	12.4	20.7
2 21	11 45.00	+27 25.9	1.649	2.570	10.0	20.5
3 2	11 35.83	+28 21.9	1.621	2.560	8.9	20.4
3 12	11 25.51	+28 55.1	1.618	2.550	9.7	20.4
3 22	11 15.30	+28 59.6	1.639	2.540	12.0	20.5
4 1	11 6.47	+28 34.0	1.684	2.530	14.8	20.7
4 11	10 59.97	+27 40.8	1.749	2.521	17.5	20.8

326969 2004 JG_{44} 3 11.2 233°.80 4°.4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.44	−14 31.9	2.626	3.305	13.9	22.2
2 11	11 46.64	−14 25.2	2.501	3.288	11.9	22.0
2 21	11 40.96	−13 58.9	2.396	3.271	9.5	21.8
3 2	11 33.77	−13 12.0	2.316	3.252	6.8	21.6
3 12	11 25.68	−12 6.3	2.264	3.233	4.7	21.4
3 22	11 17.44	−10 45.7	2.242	3.212	4.8	21.4
4 1	11 9.84	− 9 16.1	2.249	3.191	7.1	21.5
4 11	11 3.59	− 7 44.8	2.285	3.170	10.0	21.6

160837 2000 YQ_{70} 3 11.2 95°.97 2°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.35	+ 5 37.9	1.780	2.566	16.0	20.5
2 11	11 51.54	+ 6 33.5	1.721	2.596	12.4	20.3
2 21	11 44.30	+ 7 41.0	1.684	2.625	8.3	20.1
3 2	11 35.30	+ 8 53.8	1.673	2.653	4.0	19.9
3 12	11 25.57	+10 3.8	1.691	2.680	2.5	19.9
3 22	11 16.20	+11 3.7	1.738	2.707	6.2	20.1
4 1	11 8.18	+11 48.0	1.813	2.733	10.0	20.4
4 11	11 2.23	+12 14.3	1.911	2.758	13.4	20.7

339538 2005 JN_{46} 3 11.2 166°.99 3°.0/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.74	− 9 40.7	2.593	3.308	13.3	21.7
2 11	11 44.35	− 9 29.0	2.493	3.311	11.0	21.6
2 21	11 39.25	− 9 0.3	2.414	3.313	8.3	21.4
3 2	11 32.85	− 8 15.4	2.360	3.315	5.4	21.2
3 12	11 25.77	− 7 17.3	2.335	3.317	3.2	21.1
3 22	11 18.69	− 6 10.4	2.340	3.318	3.9	21.1
4 1	11 12.32	− 5 0.2	2.374	3.320	6.6	21.3
4 11	11 7.26	− 3 52.5	2.435	3.321	9.4	21.5

118040 3104 T-2 3 11.2 186°.62 0°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.30	+ 4 2.9	2.364	3.139	12.8	20.3
2 11	11 46.49	+ 4 32.0	2.271	3.139	10.1	20.1
2 21	11 40.78	+ 5 11.6	2.201	3.139	6.8	19.9
3 2	11 33.62	+ 5 57.9	2.158	3.138	3.3	19.7
3 12	11 25.71	+ 6 46.1	2.145	3.137	1.1	19.5
3 22	11 17.81	+ 7 31.1	2.161	3.136	4.5	19.8
4 1	11 10.74	+ 8 8.1	2.206	3.134	8.1	20.0
4 11	11 5.14	+ 8 33.9	2.276	3.132	11.2	20.2

305775 2009 DC_{46} 3 11.2 102°.92 3°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.94	+ 8 29.1	1.572	2.382	16.7	20.2
2 11	11 48.69	+ 9 40.3	1.501	2.391	13.0	19.9
2 21	11 42.74	+11 4.3	1.452	2.399	8.8	19.7
3 2	11 34.70	+12 32.9	1.428	2.407	4.8	19.5
3 12	11 25.61	+13 55.7	1.432	2.415	4.4	19.5
3 22	11 16.71	+15 3.3	1.462	2.423	8.0	19.7
4 1	11 9.14	+15 49.5	1.517	2.431	12.1	20.0
4 11	11 3.80	+16 11.8	1.595	2.438	15.8	20.2

345570 2006 RE_{100} 3 11.2 115°.08 3°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.87	− 8 15.5	2.530	3.250	13.5	21.1
2 11	11 46.01	− 8 25.3	2.437	3.259	11.1	20.9
2 21	11 40.38	− 8 20.0	2.366	3.267	8.4	20.7
3 2	11 33.40	− 8 0.0	2.320	3.275	5.5	20.5
3 12	11 25.73	− 7 27.7	2.302	3.284	3.3	20.4
3 22	11 18.10	− 6 46.7	2.314	3.292	4.0	20.5
4 1	11 11.24	− 6 1.7	2.355	3.299	6.7	20.7
4 11	11 5.77	− 5 17.8	2.422	3.307	9.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
271011 2002 YT_9			3 11.2	21°.89	11°.0/20.3	18
	h m	° ′			°	m
2 1	11 49.96	−20 4.1	1.430	2.133	22.8	19.4
2 11	11 47.75	−21 39.0	1.356	2.141	20.2	19.2
2 21	11 42.50	−22 45.0	1.297	2.150	17.2	19.0
3 2	11 34.75	−23 15.9	1.256	2.160	14.2	18.9
3 12	11 25.60	−23 8.7	1.236	2.171	11.8	18.8
3 22	11 16.46	−22 26.1	1.238	2.183	11.1	18.7
4 1	11 8.74	−21 16.1	1.263	2.195	12.4	18.9
4 11	11 3.55	−19 50.9	1.310	2.209	14.9	19.0
113925 2002 TD_{288}			3 11.2	127°.24	4°.1/16.0	17
2 1	11 48.73	−11 51.6	2.429	3.134	14.3	19.9
2 11	11 45.26	−11 58.7	2.333	3.140	12.0	19.8
2 21	11 39.94	−11 47.6	2.258	3.146	9.4	19.6
3 2	11 33.21	−11 18.4	2.207	3.151	6.5	19.4
3 12	11 25.75	−10 33.1	2.183	3.157	4.3	19.3
3 22	11 18.30	− 9 36.0	2.189	3.162	4.6	19.3
4 1	11 11.63	− 8 32.4	2.222	3.167	7.0	19.5
4 11	11 6.40	− 7 28.6	2.283	3.172	9.8	19.6
14599 1998 SV_{64}			3 11.2	12°.23	5°.0/ 7.8	18
2 1	11 50.54	+10 19.6	1.148	1.985	19.8	17.8
2 11	11 48.60	+11 13.9	1.083	1.986	15.5	17.5
2 21	11 43.22	+12 21.4	1.036	1.989	10.7	17.2
3 2	11 35.11	+13 32.2	1.012	1.992	6.1	17.0
3 12	11 25.60	+14 33.9	1.012	1.996	5.6	17.0
3 22	11 16.31	+15 16.0	1.035	2.001	9.8	17.2
4 1	11 8.79	+15 32.2	1.081	2.006	14.7	17.5
4 11	11 4.13	+15 21.0	1.145	2.013	19.0	17.8
406435 2007 TQ_{256}			3 11.2	218°.10	1°.3/10.0	17
2 1	11 53.26	+ 3 48.4	1.906	2.688	15.2	22.1
2 11	11 49.43	+ 4 26.8	1.808	2.681	12.0	21.9
2 21	11 43.16	+ 5 19.5	1.733	2.673	8.2	21.6
3 2	11 34.94	+ 6 21.9	1.684	2.664	3.9	21.3
3 12	11 25.61	+ 7 27.3	1.663	2.655	1.6	21.1
3 22	11 16.22	+ 8 28.4	1.671	2.645	5.7	21.4
4 1	11 7.84	+ 9 18.3	1.707	2.635	10.0	21.6
4 11	11 1.36	+ 9 52.7	1.766	2.624	13.8	21.8
140785 2001 UG_{140}			3 11.2	1°.06	4°.8/ 6.3	17
2 1	11 51.05	+15 58.9	2.109	2.916	13.1	19.7
2 11	11 47.34	+16 46.8	2.031	2.915	10.3	19.5
2 21	11 41.49	+17 37.8	1.976	2.915	7.4	19.3
3 2	11 34.00	+18 25.2	1.947	2.915	5.1	19.2
3 12	11 25.70	+19 2.4	1.947	2.916	5.3	19.2
3 22	11 17.51	+19 24.2	1.974	2.916	7.8	19.4
4 1	11 10.33	+19 27.8	2.027	2.917	10.7	19.5
4 11	11 4.89	+19 12.6	2.103	2.918	13.5	19.7
25972 Pfefferjosh			3 11.2	39°.46	0°.0/11.1	18
2 1	11 49.54	+ 0 13.1	1.327	2.131	19.5	19.2
2 11	11 47.19	+ 0 40.9	1.261	2.144	15.5	19.0
2 21	11 41.89	+ 1 29.6	1.214	2.157	10.6	18.8
3 2	11 34.33	+ 2 34.3	1.190	2.170	5.2	18.5
3 12	11 25.67	+ 3 46.4	1.191	2.185	0.4	18.2
3 22	11 17.25	+ 4 56.0	1.218	2.199	6.0	18.6
4 1	11 10.34	+ 5 54.1	1.269	2.215	11.1	18.9
4 11	11 5.87	+ 6 34.7	1.343	2.231	15.4	19.2
138828 2000 UD_{52}			3 11.2	144°.59	2°.7/14.8	18
2 1	11 47.31	− 8 35.2	2.686	3.406	12.8	20.2
2 11	11 43.95	− 8 28.3	2.588	3.410	10.5	20.0
2 21	11 38.95	− 8 6.1	2.511	3.413	7.9	19.8
3 2	11 32.71	− 7 29.2	2.460	3.417	5.1	19.6
3 12	11 25.82	− 6 40.6	2.437	3.420	2.9	19.5
3 22	11 18.95	− 5 44.1	2.445	3.423	3.7	19.6
4 1	11 12.77	− 4 44.8	2.481	3.427	6.3	19.7
4 11	11 7.84	− 3 47.8	2.544	3.429	9.1	19.9
298869 2004 RN_{333}			3 11.2	153°.23	2°.5/ 8.8	18
2 1	11 54.18	+ 6 20.5	1.883	2.672	15.1	21.3
2 11	11 50.00	+ 7 20.3	1.804	2.680	11.8	21.1
2 21	11 43.41	+ 8 32.6	1.747	2.689	8.0	20.9
3 2	11 34.99	+ 9 51.2	1.716	2.696	4.0	20.7
3 12	11 25.64	+11 7.7	1.715	2.703	2.9	20.6
3 22	11 16.40	+12 14.5	1.742	2.709	6.4	20.9
4 1	11 8.31	+13 5.5	1.797	2.714	10.4	21.1
4 11	11 2.16	+13 37.5	1.876	2.718	13.8	21.3
69054 2002 YP_6			3 11.2	115°.37	4°.7/ 5.3	18
2 1	11 49.39	+16 13.2	2.429	3.232	11.7	19.5
2 11	11 45.72	+17 23.7	2.358	3.241	9.1	19.3
2 21	11 40.20	+18 37.1	2.312	3.249	6.6	19.2
3 2	11 33.32	+19 46.9	2.293	3.257	4.8	19.1
3 12	11 25.78	+20 46.6	2.304	3.266	5.2	19.1
3 22	11 18.35	+21 31.0	2.343	3.273	7.4	19.3
4 1	11 11.79	+21 57.2	2.408	3.281	9.9	19.4
4 11	11 6.71	+22 4.6	2.497	3.289	12.3	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
107063 2001 AD_{11}			3 11.2	45°.17	1°.9/12.7	18
	h m	° ′			°	m
2 1	11 50.32	− 3 30.9	1.348	2.136	20.1	20.0
2 11	11 47.77	− 3 21.8	1.280	2.150	16.2	19.8
2 21	11 42.29	− 2 49.3	1.231	2.164	11.5	19.5
3 2	11 34.54	− 1 56.2	1.205	2.179	6.3	19.3
3 12	11 25.69	− 0 49.5	1.203	2.195	1.9	19.0
3 22	11 17.06	+ 0 21.6	1.227	2.211	5.5	19.3
4 1	11 9.95	+ 1 27.4	1.276	2.227	10.4	19.6
4 11	11 5.27	+ 2 20.2	1.348	2.244	14.8	19.9
114298 2002 XH_{34}			3 11.2	145°.58	0°.5/10.8	18
2 1	11 56.70	+ 1 57.3	1.795	2.569	16.3	20.4
2 11	11 52.07	+ 2 27.8	1.715	2.581	12.9	20.2
2 21	11 44.88	+ 3 13.5	1.656	2.592	8.8	20.0
3 2	11 35.73	+ 4 9.9	1.623	2.602	4.3	19.7
3 12	11 25.59	+ 5 10.4	1.618	2.611	0.8	19.5
3 22	11 15.60	+ 6 7.8	1.642	2.620	5.4	19.8
4 1	11 6.86	+ 6 55.4	1.694	2.627	9.7	20.1
4 11	11 0.21	+ 7 28.9	1.771	2.634	13.5	20.3
289656 2005 GW_{117}			3 11.2	188°.27	4°.0/ 6.3	18
2 1	11 53.60	+17 5.9	2.880	3.667	10.5	21.1
2 11	11 48.70	+17 46.5	2.793	3.666	8.2	20.9
2 21	11 42.10	+18 28.2	2.732	3.665	5.9	20.8
3 2	11 34.23	+19 6.4	2.699	3.663	4.2	20.7
3 12	11 25.72	+19 36.0	2.696	3.660	4.4	20.7
3 22	11 17.28	+19 53.6	2.723	3.657	6.3	20.8
4 1	11 9.61	+19 57.0	2.778	3.654	8.7	20.9
4 11	11 3.28	+19 45.7	2.858	3.650	10.9	21.1
58537 1997 EG_{14}			3 11.2	13°.31	0°.9/12.2	18
2 1	11 48.73	− 0 38.4	2.096	2.866	14.4	20.3
2 11	11 45.52	− 0 35.0	2.007	2.868	11.5	20.1
2 21	11 40.26	− 0 18.0	1.940	2.870	8.1	19.9
3 2	11 33.43	+ 0 10.2	1.898	2.873	4.3	19.7
3 12	11 25.78	+ 0 45.6	1.883	2.876	0.9	19.4
3 22	11 18.17	+ 1 23.3	1.898	2.880	4.1	19.7
4 1	11 11.47	+ 1 58.1	1.940	2.884	8.0	19.9
4 11	11 6.39	+ 2 25.5	2.007	2.888	11.4	20.1
78030 2002 JB_{75}			3 11.2	297°.43	0°.9/11.9	18
2 1	11 50.40	− 0 39.4	1.522	2.311	18.1	19.9
2 11	11 47.98	− 0 34.2	1.418	2.290	14.7	19.6
2 21	11 42.69	− 0 10.0	1.334	2.270	10.5	19.3
3 2	11 34.93	+ 0 31.5	1.273	2.250	5.5	18.9
3 12	11 25.64	+ 1 25.0	1.237	2.230	0.9	18.6
3 22	11 16.07	+ 2 22.9	1.228	2.210	5.7	18.8
4 1	11 7.61	+ 3 16.5	1.244	2.191	11.1	19.1
4 11	11 1.42	+ 3 58.2	1.282	2.172	15.9	19.3
434037 2001 SL_{248}			3 11.3	151°.84	2°.5/15.1	17
2 1	11 47.22	−10 17.7	2.950	3.654	12.1	22.1
2 11	11 43.70	− 9 47.6	2.850	3.662	10.0	21.9
2 21	11 38.68	− 9 1.2	2.773	3.670	7.5	21.8
3 2	11 32.55	− 7 59.9	2.722	3.677	4.8	21.6
3 12	11 25.87	− 6 46.9	2.701	3.683	2.7	21.5
3 22	11 19.22	− 5 26.7	2.711	3.689	3.4	21.5
4 1	11 13.20	− 4 4.6	2.751	3.695	5.9	21.7
4 11	11 8.34	− 2 46.1	2.819	3.701	8.5	21.9
377445 2004 TU_{338}			3 11.3	170°.32	4°.1/ 6.8	17
2 1	11 55.25	+15 26.2	2.473	3.262	11.9	21.7
2 11	11 50.25	+16 8.8	2.391	3.266	9.4	21.5
2 21	11 43.28	+16 53.9	2.333	3.269	6.6	21.3
3 2	11 34.84	+17 36.1	2.304	3.272	4.4	21.2
3 12	11 25.68	+18 9.7	2.304	3.274	4.5	21.2
3 22	11 16.63	+18 30.3	2.334	3.276	6.7	21.3
4 1	11 8.51	+18 35.5	2.391	3.277	9.5	21.5
4 11	11 1.96	+18 24.6	2.473	3.277	12.0	21.7
16340 2110 $T\text{-}_3$			3 11.3	297°.86	0°.5/10.9	18
2 1	11 54.62	+ 4 24.7	1.666	2.456	16.7	18.4
2 11	11 50.99	+ 4 19.7	1.565	2.440	13.4	18.1
2 21	11 44.55	+ 4 26.2	1.484	2.424	9.3	17.8
3 2	11 35.77	+ 4 41.1	1.429	2.409	4.6	17.5
3 12	11 25.60	+ 4 59.5	1.400	2.393	0.8	17.2
3 22	11 15.26	+ 5 15.8	1.398	2.378	5.8	17.5
4 1	11 6.06	+ 5 24.6	1.423	2.363	10.7	17.7
4 11	10 59.06	+ 5 22.0	1.471	2.348	15.0	17.9
140013 2001 SA_{49}			3 11.3	246°.29	3°.0/ 8.1	18
2 1	11 51.73	+11 37.1	2.309	3.103	12.5	20.0
2 11	11 47.68	+12 9.1	2.221	3.101	9.8	19.8
2 21	11 41.64	+12 46.2	2.157	3.099	6.7	19.6
3 2	11 34.08	+13 23.8	2.121	3.097	3.8	19.4
3 12	11 25.75	+13 56.2	2.113	3.095	3.4	19.4
3 22	11 17.48	+14 18.8	2.134	3.093	6.1	19.6
4 1	11 10.10	+14 28.3	2.183	3.091	9.2	19.8
4 11	11 4.30	+14 23.3	2.256	3.089	12.1	19.9

302186 2001 TA_{186} 3 11.3 62°.18 1°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.88	+ 4 21.3	1.379	2.180	19.0	20.8
2 11	11 52.18	+ 4 29.3	1.307	2.189	15.0	20.5
2 21	11 45.35	+ 4 51.8	1.254	2.197	10.3	20.3
3 2	11 36.08	+ 5 24.1	1.225	2.206	5.0	20.0
3 12	11 25.59	+ 5 59.2	1.222	2.215	1.3	19.7
3 22	11 15.32	+ 6 29.5	1.245	2.224	6.4	20.1
4 1	11 6.64	+ 6 48.9	1.293	2.233	11.5	20.4
4 11	11 0.56	+ 6 53.4	1.363	2.242	15.8	20.7

39191 2000 WU_{183} 3 11.3 259°.09 4°.2/14.4 17

2 1	11 55.37	− 7 28.5	1.851	2.586	17.2	19.4
2 11	11 51.47	− 7 58.8	1.735	2.566	14.5	19.2
2 21	11 44.88	− 8 11.3	1.638	2.546	11.1	18.9
3 2	11 35.97	− 8 4.7	1.566	2.524	7.3	18.6
3 12	11 25.58	− 7 40.1	1.520	2.502	4.4	18.4
3 22	11 14.83	− 7 1.2	1.502	2.480	5.7	18.4
4 1	11 4.99	− 6 14.3	1.511	2.457	9.6	18.6
4 11	10 57.14	− 5 27.0	1.545	2.433	13.7	18.8

129444 1981 EN_{23} 3 11.3 316°.03 0°.2/11.4 18

2 1	11 49.41	+ 1 25.3	1.309	2.118	19.5	20.1
2 11	11 47.66	+ 1 26.1	1.212	2.097	15.7	19.8
2 21	11 42.74	+ 1 45.7	1.134	2.077	11.1	19.4
3 2	11 35.06	+ 2 21.6	1.077	2.058	5.6	19.1
3 12	11 25.66	+ 3 7.8	1.045	2.039	0.4	18.6
3 22	11 15.96	+ 3 55.8	1.038	2.021	6.5	19.0
4 1	11 7.54	+ 4 36.4	1.054	2.003	12.3	19.3
4 11	11 1.72	+ 5 2.4	1.091	1.987	17.5	19.5

158752 2003 QV_{71} 3 11.3 209°.87 3°.7/16.1 18

2 1	11 49.41	−12 41.4	2.821	3.509	12.9	21.2
2 11	11 45.61	−12 34.1	2.705	3.501	10.9	21.1
2 21	11 40.14	−12 9.7	2.611	3.493	8.5	20.9
3 2	11 33.35	−11 28.0	2.542	3.484	5.9	20.7
3 12	11 25.82	−10 31.1	2.502	3.475	3.9	20.6
3 22	11 18.23	− 9 22.6	2.491	3.464	4.2	20.6
4 1	11 11.27	− 8 8.0	2.511	3.454	6.5	20.7
4 11	11 5.54	− 6 52.9	2.558	3.442	9.1	20.8

466369 2013 RO_{86} 3 11.3 173°.14 2°.3/14.4 16

2 1	11 49.59	− 8 46.0	2.701	3.414	12.9	22.8
2 11	11 45.72	− 8 15.6	2.599	3.418	10.6	22.6
2 21	11 40.17	− 7 28.1	2.518	3.421	7.9	22.4
3 2	11 33.34	− 6 25.0	2.464	3.424	4.9	22.2
3 12	11 25.84	− 5 9.9	2.440	3.426	2.5	22.1
3 22	11 18.35	− 3 47.9	2.447	3.427	3.5	22.2
4 1	11 11.56	− 2 24.9	2.484	3.427	6.5	22.3
4 11	11 6.06	− 1 6.7	2.549	3.427	9.4	22.5

290695 2005 UO_{371} 3 11.3 120°.23 1°.5/12.4 18

2 1	11 53.94	− 2 41.8	1.539	2.313	18.6	21.8
2 11	11 50.38	− 2 29.9	1.459	2.321	15.0	21.6
2 21	11 44.01	− 1 57.3	1.399	2.330	10.6	21.3
3 2	11 35.41	− 1 6.7	1.363	2.338	5.7	21.1
3 12	11 25.67	− 0 4.1	1.353	2.345	1.5	20.8
3 22	11 16.03	+ 1 2.3	1.370	2.353	5.3	21.1
4 1	11 7.76	+ 2 3.8	1.414	2.360	10.1	21.4
4 11	11 1.80	+ 2 53.5	1.481	2.367	14.4	21.6

320933 2008 GJ_{124} 3 11.3 164°.58 4°.4/ 6.7 18

2 1	11 56.42	+15 26.6	2.280	3.070	12.7	20.6
2 11	11 51.34	+16 15.1	2.200	3.076	10.0	20.4
2 21	11 44.12	+17 6.7	2.145	3.081	7.1	20.2
3 2	11 35.30	+17 54.9	2.118	3.086	4.8	20.1
3 12	11 25.69	+18 33.6	2.120	3.090	4.9	20.1
3 22	11 16.21	+18 57.8	2.151	3.093	7.2	20.2
4 1	11 7.77	+19 4.8	2.210	3.095	10.2	20.4
4 11	11 1.06	+18 54.3	2.292	3.097	12.9	20.6

369367 2009 UQ_{39} 3 11.3 113°.55 3°.2/15.2 18

2 1	11 51.44	−10 13.1	2.407	3.116	14.3	22.2
2 11	11 47.26	−10 1.5	2.324	3.138	11.9	22.0
2 21	11 41.23	− 9 31.7	2.263	3.159	8.9	21.9
3 2	11 33.85	− 8 44.8	2.226	3.180	5.8	21.7
3 12	11 25.81	− 7 44.1	2.219	3.200	3.4	21.6
3 22	11 17.91	− 6 34.7	2.241	3.219	4.1	21.7
4 1	11 10.89	− 5 22.7	2.293	3.237	6.9	21.9
4 11	11 5.37	− 4 14.2	2.371	3.255	9.7	22.1

334802 2003 SG_{224} 3 11.3 101°.37 3°.8/15.3 17

2 1	11 48.90	−10 3.8	2.161	2.885	15.4	20.7
2 11	11 45.66	−10 8.1	2.067	2.889	12.8	20.5
2 21	11 40.39	− 9 53.1	1.993	2.893	9.8	20.3
3 2	11 33.53	− 9 19.1	1.944	2.897	6.6	20.2
3 12	11 25.83	− 8 28.7	1.921	2.901	4.0	20.0
3 22	11 18.15	− 7 26.9	1.927	2.904	4.7	20.0
4 1	11 11.34	− 6 19.9	1.960	2.908	7.6	20.2
4 11	11 6.13	− 5 14.8	2.020	2.912	10.8	20.4

53584 2000 CY_{51} 3 11.3 224°.53 1°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.78	− 2 25.8	1.651	2.419	17.8	18.8
2 11	11 51.08	− 2 27.5	1.554	2.413	14.5	18.6
2 21	11 44.58	− 2 10.9	1.478	2.406	10.4	18.3
3 2	11 35.78	− 1 37.3	1.425	2.399	5.7	18.0
3 12	11 25.64	− 0 51.2	1.399	2.391	1.8	17.7
3 22	11 15.39	+ 0 0.8	1.401	2.383	5.2	18.0
4 1	11 6.31	+ 0 51.0	1.429	2.375	10.1	18.2
4 11	10 59.45	+ 1 32.5	1.481	2.366	14.4	18.4

286180 2001 UP_{46} 3 11.3 155°.38 0°.4/11.7 18

2 1	11 54.55	− 1 20.9	2.015	2.773	15.3	22.1
2 11	11 50.14	− 0 45.8	1.928	2.783	12.2	21.9
2 21	11 43.46	+ 0 6.0	1.863	2.792	8.5	21.7
3 2	11 35.03	+ 1 11.1	1.824	2.800	4.3	21.4
3 12	11 25.71	+ 2 23.4	1.814	2.808	0.4	21.1
3 22	11 16.48	+ 3 36.0	1.835	2.814	4.6	21.5
4 1	11 8.29	+ 4 42.0	1.883	2.820	8.7	21.7
4 11	11 1.93	+ 5 35.8	1.958	2.825	12.3	21.9

182380 2001 QR_{230} 3 11.3 218°.23 2°.0/13.3 17 R

2 1	11 49.31	− 5 57.5	2.023	2.772	15.6	20.7
2 11	11 46.19	− 5 30.9	1.922	2.767	12.7	20.5
2 21	11 40.88	− 4 44.1	1.842	2.761	9.2	20.2
3 2	11 33.83	− 3 38.9	1.787	2.756	5.4	20.0
3 12	11 25.81	− 2 19.9	1.760	2.750	2.1	19.8
3 22	11 17.74	− 0 54.1	1.761	2.744	4.3	19.9
4 1	11 10.56	+ 0 30.6	1.791	2.737	8.3	20.1
4 11	11 5.08	+ 1 46.7	1.847	2.730	12.1	20.3

200094 1994 SA_{12} 3 11.3 152°.86 0°.2/11.5 17

2 1	11 49.49	− 0 16.0	2.244	3.009	13.7	21.2
2 11	11 45.98	+ 0 15.9	2.153	3.013	10.9	21.0
2 21	11 40.51	+ 1 1.9	2.085	3.017	7.5	20.8
3 2	11 33.56	+ 1 59.0	2.044	3.021	3.8	20.6
3 12	11 25.84	+ 3 1.8	2.031	3.025	0.3	20.3
3 22	11 18.16	+ 4 4.6	2.048	3.028	4.2	20.6
4 1	11 11.34	+ 5 1.6	2.093	3.031	7.9	20.9
4 11	11 6.04	+ 5 48.0	2.164	3.033	11.2	21.1

86940 2000 HJ_{71} 3 11.3 187°.43 3°.7/ 7.9 18

2 1	11 55.87	+10 17.4	1.849	2.645	15.1	20.1
2 11	11 51.51	+11 12.7	1.764	2.644	11.8	19.9
2 21	11 44.59	+12 17.4	1.702	2.644	8.1	19.6
3 2	11 35.66	+13 24.7	1.666	2.642	4.6	19.4
3 12	11 25.67	+14 26.2	1.658	2.640	4.2	19.4
3 22	11 15.73	+15 14.5	1.679	2.637	7.5	19.6
4 1	11 6.96	+15 44.5	1.727	2.634	11.3	19.8
4 11	11 0.24	+15 54.2	1.797	2.629	14.8	20.0

462033 2007 CR_{14} 3 11.3 347°.47 5°.0/14.4 17

2 1	11 54.06	− 5 57.5	1.543	2.303	19.1	20.0
2 11	11 50.74	− 7 2.0	1.451	2.297	16.0	19.8
2 21	11 44.48	− 7 50.1	1.378	2.292	12.2	19.5
3 2	11 35.78	− 8 19.7	1.328	2.288	8.1	19.3
3 12	11 25.65	− 8 30.8	1.302	2.284	5.1	19.1
3 22	11 15.39	− 8 26.3	1.303	2.281	6.4	19.2
4 1	11 6.37	− 8 11.6	1.330	2.279	10.3	19.4
4 11	10 59.72	− 7 53.7	1.379	2.277	14.4	19.6

498707 2008 TF_{63} 3 11.3 151°.36 0°.5/10.7 17

2 1	11 50.90	+ 2 47.6	2.254	3.027	13.4	22.5
2 11	11 47.05	+ 3 12.7	2.164	3.031	10.6	22.4
2 21	11 41.23	+ 3 49.3	2.098	3.035	7.2	22.1
3 2	11 33.91	+ 4 33.8	2.059	3.038	3.5	21.9
3 12	11 25.82	+ 5 21.4	2.048	3.042	0.7	21.7
3 22	11 17.77	+ 6 6.7	2.067	3.045	4.5	22.0
4 1	11 10.61	+ 6 44.8	2.115	3.048	8.1	22.2
4 11	11 5.01	+ 7 12.2	2.188	3.050	11.3	22.4

154571 2003 HR_{40} 3 11.3 260°.71 6°.4/ 4.7 18

2 1	11 54.93	+20 10.8	2.097	2.900	13.3	19.7
2 11	11 50.66	+21 12.5	2.005	2.884	10.7	19.5
2 21	11 43.98	+22 15.5	1.938	2.868	8.1	19.3
3 2	11 35.37	+23 11.9	1.896	2.851	6.5	19.2
3 12	11 25.70	+23 53.8	1.883	2.834	7.1	19.2
3 22	11 15.99	+24 15.3	1.896	2.817	9.4	19.3
4 1	11 7.32	+24 13.4	1.935	2.800	12.4	19.4
4 11	11 0.54	+23 48.4	1.996	2.782	15.2	19.6

277866 2006 JP_{32} 3 11.3 121°.10 5°.2/ 4.8 18

2 1	11 50.51	+17 13.5	2.325	3.129	12.1	20.8
2 11	11 46.70	+18 33.1	2.257	3.140	9.5	20.7
2 21	11 40.94	+19 55.1	2.215	3.150	7.0	20.5
3 2	11 33.74	+21 12.3	2.200	3.160	5.3	20.4
3 12	11 25.85	+22 17.6	2.214	3.170	5.9	20.5
3 22	11 18.08	+23 5.5	2.256	3.180	8.0	20.6
4 1	11 11.26	+23 33.2	2.325	3.189	10.6	20.8
4 11	11 6.00	+23 40.2	2.415	3.198	12.9	21.0

146341 2001 OS_{53} 3 11.3 84°.05 7°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.71	+19 2.3	1.791	2.607	14.7	19.7
2 11	11 48.94	+20 55.3	1.743	2.629	11.6	19.5
2 21	11 42.69	+22 49.2	1.718	2.651	8.8	19.4
3 2	11 34.63	+24 33.1	1.721	2.673	7.3	19.3
3 12	11 25.78	+25 57.0	1.751	2.695	8.2	19.4
3 22	11 17.23	+26 54.3	1.807	2.717	10.5	19.6
4 1	11 10.01	+27 22.5	1.887	2.738	13.2	19.8
4 11	11 4.85	+27 23.3	1.988	2.759	15.7	20.1

240552 2004 RQ_{60} 3 11.3 224°.94 0°.5/11.7 17

2 1	11 53.67	− 0 50.2	1.856	2.623	16.1	21.8
2 11	11 49.91	− 0 26.3	1.753	2.614	13.0	21.6
2 21	11 43.63	+ 0 15.2	1.671	2.603	9.1	21.3
3 2	11 35.27	+ 1 11.5	1.615	2.592	4.7	21.0
3 12	11 25.72	+ 2 17.2	1.586	2.580	0.5	20.7
3 22	11 16.03	+ 3 25.0	1.586	2.567	5.0	21.0
4 1	11 7.34	+ 4 27.2	1.614	2.554	9.6	21.2
4 11	11 0.59	+ 5 17.4	1.667	2.540	13.7	21.4

511856 2015 FO_{354} 3 11.3 234°.30 0°.4/10.7 17

2 1	11 48.76	+ 2 56.8	2.883	3.647	11.0	22.1
2 11	11 45.02	+ 3 23.0	2.774	3.635	8.7	21.9
2 21	11 39.69	+ 3 58.6	2.689	3.623	5.9	21.7
3 2	11 33.13	+ 4 40.8	2.632	3.611	2.9	21.5
3 12	11 25.90	+ 5 25.9	2.605	3.598	0.6	21.3
3 22	11 18.61	+ 6 9.6	2.609	3.585	3.7	21.5
4 1	11 11.92	+ 6 48.1	2.642	3.572	6.8	21.7
4 11	11 6.40	+ 7 17.9	2.702	3.558	9.6	21.8

297440 2000 SE_{175} 3 11.3 70°.40 6°.4/17.4 18

2 1	11 51.95	−15 40.0	1.518	2.237	21.1	20.4
2 11	11 48.78	−15 50.8	1.451	2.262	17.9	20.2
2 21	11 42.84	−15 30.9	1.401	2.286	14.1	20.0
3 2	11 34.80	−14 39.2	1.371	2.311	10.2	19.9
3 12	11 25.78	−13 19.4	1.366	2.335	7.0	19.7
3 22	11 17.02	−11 39.7	1.387	2.360	6.8	19.8
4 1	11 9.72	− 9 51.6	1.434	2.384	9.6	20.0
4 11	11 4.72	− 8 6.7	1.505	2.408	13.2	20.3

231936 2001 FR_{7} 3 11.3 285°.33 1°.9/ 9.2 17

2 1	11 48.17	+ 5 23.5	2.035	2.828	14.0	20.9
2 11	11 45.32	+ 6 12.5	1.936	2.816	11.0	20.7
2 21	11 40.31	+ 7 14.4	1.860	2.803	7.5	20.4
3 2	11 33.57	+ 8 24.4	1.810	2.790	3.7	20.2
3 12	11 25.88	+ 9 35.7	1.788	2.778	2.3	20.0
3 22	11 18.10	+10 41.0	1.795	2.765	5.8	20.2
4 1	11 11.20	+11 34.0	1.828	2.752	9.7	20.4
4 11	11 5.96	+12 10.5	1.886	2.740	13.3	20.6

166960 2003 NS 3 11.3 209°.03 0°.1/11.1 18

2 1	11 54.35	+ 1 24.3	1.961	2.731	15.3	20.8
2 11	11 50.23	+ 1 47.3	1.862	2.726	12.2	20.6
2 21	11 43.72	+ 2 24.7	1.785	2.720	8.4	20.3
3 2	11 35.28	+ 3 13.5	1.734	2.713	4.2	20.0
3 12	11 25.76	+ 4 8.0	1.712	2.705	0.4	19.7
3 22	11 16.18	+ 5 1.8	1.718	2.697	5.0	20.0
4 1	11 7.59	+ 5 48.6	1.753	2.688	9.3	20.3
4 11	11 0.87	+ 6 23.5	1.813	2.679	13.1	20.5

219390 2000 SU_{141} 3 11.3 91°.71 5°.7/18.0 18

2 1	11 51.50	−17 1.9	2.170	2.847	16.6	20.6
2 11	11 47.59	−17 8.6	2.092	2.873	14.1	20.5
2 21	11 41.61	−16 52.1	2.033	2.898	11.3	20.4
3 2	11 34.10	−16 11.5	1.997	2.922	8.4	20.2
3 12	11 25.86	−15 9.3	1.987	2.946	6.1	20.1
3 22	11 17.79	−13 50.7	2.005	2.969	5.9	20.1
4 1	11 10.74	−12 22.8	2.051	2.992	7.8	20.3
4 11	11 5.38	−10 54.0	2.124	3.015	10.4	20.5

15242 1989 SX_{5} 3 11.3 50°.47 1°.9/ 9.6 18

2 1	11 51.04	+ 5 15.1	1.586	2.389	16.9	18.3
2 11	11 47.95	+ 5 54.2	1.514	2.398	13.2	18.1
2 21	11 42.25	+ 6 47.2	1.463	2.408	8.9	17.8
3 2	11 34.53	+ 7 48.2	1.437	2.418	4.3	17.6
3 12	11 25.83	+ 8 49.1	1.438	2.429	2.3	17.5
3 22	11 17.31	+ 9 41.9	1.465	2.439	6.4	17.8
4 1	11 10.09	+10 20.3	1.519	2.450	10.8	18.0
4 11	11 5.02	+10 40.6	1.595	2.461	14.6	18.3

351992 2006 UA_{188} 3 11.3 156°.82 2°.7/15.1 18

2 1	11 49.60	− 9 3.8	3.145	3.846	11.4	22.3
2 11	11 45.46	− 9 6.5	3.044	3.854	9.5	22.2
2 21	11 39.87	− 8 56.2	2.967	3.861	7.2	22.0
3 2	11 33.19	− 8 33.5	2.916	3.867	4.7	21.9
3 12	11 25.94	− 8 0.3	2.894	3.873	2.9	21.7
3 22	11 18.71	− 7 19.6	2.903	3.879	3.4	21.8
4 1	11 12.08	− 6 35.3	2.942	3.884	5.6	21.9
4 11	11 6.57	− 5 51.4	3.008	3.888	8.0	22.1

169352 2001 UY_{16} 3 11.3 21°.09 37°.2/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	21 10.99	+64 26.5	0.614	1.085	64.0	20.7
2 11	20 56.20	+71 53.1	0.625	1.135	60.2	20.7
2 21	20 17.65	+79 48.7	0.636	1.194	55.9	20.7
3 2	16 6.18	+86 8.9	0.650	1.258	51.3	20.8
3 12	11 20.32	+79 38.4	0.674	1.326	46.7	20.8
3 22	10 42.44	+69 44.2	0.715	1.397	42.6	21.0
4 1	10 34.70	+59 45.8	0.776	1.469	39.4	21.2
4 11	10 35.69	+50 25.6	0.860	1.541	37.2	21.4

369615 2011 CW_{86} 3 11.3 121°.37 2°.8/13.9 17

2 1	11 51.39	− 5 55.1	1.987	2.733	15.9	21.2
2 11	11 47.80	− 6 0.6	1.896	2.737	13.0	21.0
2 21	11 41.95	− 5 48.5	1.826	2.741	9.6	20.8
3 2	11 34.36	− 5 19.6	1.780	2.745	5.8	20.6
3 12	11 25.84	− 4 37.2	1.762	2.749	2.9	20.4
3 22	11 17.34	− 3 46.6	1.772	2.753	4.5	20.5
4 1	11 9.84	− 2 54.1	1.810	2.757	8.2	20.8
4 11	11 4.10	− 2 6.1	1.873	2.761	11.7	21.0

494821 2007 TN_{80} 3 11.3 184°.03 0°.9/10.3 17

2 1	11 54.05	+ 3 2.3	2.092	2.864	14.4	22.8
2 11	11 49.77	+ 3 41.5	1.999	2.865	11.3	22.6
2 21	11 43.25	+ 4 34.0	1.929	2.865	7.7	22.4
3 2	11 34.99	+ 5 35.6	1.885	2.864	3.7	22.1
3 12	11 25.80	+ 6 40.1	1.870	2.863	1.2	21.9
3 22	11 16.61	+ 7 41.0	1.886	2.860	5.1	22.2
4 1	11 8.40	+ 8 32.3	1.929	2.857	9.1	22.4
4 11	11 1.93	+ 9 9.7	1.998	2.853	12.6	22.6

169863 2002 RO_{65} 3 11.3 54°.80 8°.3/ 3.2 18

2 1	11 56.28	+26 52.7	2.013	2.817	13.7	19.0
2 11	11 51.54	+27 56.0	1.960	2.829	11.4	18.8
2 21	11 44.36	+28 52.9	1.929	2.842	9.3	18.7
3 2	11 35.43	+29 35.0	1.924	2.856	8.3	18.7
3 12	11 25.77	+29 55.3	1.946	2.869	8.9	18.7
3 22	11 16.47	+29 50.4	1.993	2.882	10.7	18.9
4 1	11 8.52	+29 20.2	2.064	2.896	13.0	19.0
4 11	11 2.63	+28 27.6	2.155	2.910	15.1	19.2

263609 2008 FO_{136} 3 11.3 83°.23 2°.2/13.4 18

2 1	11 50.88	− 5 53.4	1.809	2.563	16.9	20.4
2 11	11 47.46	− 5 33.2	1.733	2.581	13.7	20.2
2 21	11 41.71	− 4 52.3	1.678	2.599	9.9	20.0
3 2	11 34.21	− 3 53.0	1.648	2.617	5.7	19.8
3 12	11 25.87	− 2 40.9	1.645	2.635	2.3	19.6
3 22	11 17.70	− 1 23.5	1.670	2.652	4.5	19.8
4 1	11 10.68	− 0 8.6	1.722	2.670	8.5	20.1
4 11	11 5.57	+ 0 56.6	1.800	2.687	12.2	20.4

497628 2006 QD_{99} 3 11.3 171°.53 0°.8/12.2 17

2 1	11 51.81	− 0 26.7	2.981	3.723	11.2	21.9
2 11	11 47.25	− 0 24.3	2.881	3.726	8.9	21.8
2 21	11 41.12	− 0 12.4	2.806	3.729	6.3	21.6
3 2	11 33.82	+ 0 7.1	2.758	3.731	3.3	21.4
3 12	11 25.90	+ 0 31.7	2.741	3.733	0.8	21.2
3 22	11 18.01	+ 0 58.0	2.754	3.735	3.2	21.4
4 1	11 10.76	+ 1 22.8	2.798	3.736	6.1	21.6
4 11	11 4.71	+ 1 43.0	2.870	3.736	8.8	21.7

519633 2012 UQ_{182} 3 11.3 13°.19 6°.0/ 4.5 17

2 1	11 49.81	+19 23.3	2.145	2.957	12.7	20.6
2 11	11 46.41	+20 31.5	2.074	2.958	10.1	20.4
2 21	11 40.90	+21 40.7	2.026	2.960	7.6	20.2
3 2	11 33.79	+22 43.4	2.004	2.961	6.1	20.1
3 12	11 25.90	+23 32.3	2.011	2.963	6.7	20.2
3 22	11 18.13	+24 2.1	2.044	2.965	8.8	20.3
4 1	11 11.36	+24 10.3	2.102	2.968	11.5	20.5
4 11	11 6.28	+23 57.0	2.182	2.970	14.0	20.7

102085 1999 RK_{150} 3 11.3 246°.64 1°.4/12.9 16

2 1	11 52.61	− 2 8.4	2.981	3.714	11.4	20.5
2 11	11 48.03	− 2 17.7	2.859	3.696	9.2	20.3
2 21	11 41.78	− 2 17.3	2.761	3.679	6.6	20.1
3 2	11 34.21	− 2 8.2	2.691	3.661	3.8	19.9
3 12	11 25.87	− 1 52.3	2.651	3.642	1.4	19.7
3 22	11 17.41	− 1 32.6	2.643	3.623	3.3	19.8
4 1	11 9.51	− 1 12.2	2.664	3.604	6.3	20.0
4 11	11 2.79	− 0 54.5	2.714	3.584	9.1	20.2

237132 2008 UQ_{26} 3 11.3 91°.02 0°.3/11.6 17

2 1	11 49.44	+ 0 0.7	2.092	2.863	14.4	21.5
2 11	11 46.09	+ 0 24.7	2.004	2.867	11.4	21.3
2 21	11 40.69	+ 1 3.0	1.939	2.872	7.9	21.1
3 2	11 33.71	+ 1 52.5	1.899	2.877	4.0	20.9
3 12	11 25.92	+ 2 48.1	1.888	2.882	0.3	20.6
3 22	11 18.18	+ 3 43.9	1.906	2.886	4.3	20.9
4 1	11 11.37	+ 4 33.8	1.951	2.891	8.2	21.1
4 11	11 6.18	+ 5 13.4	2.022	2.896	11.7	21.3

51138 2000 HC_{45} 3 11.3 178°.74 4°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.77	+15 41.0	2.495	3.291	11.6	19.3
2 11	11 47.59	+16 32.3	2.413	3.292	9.1	19.1
2 21	11 41.54	+17 26.4	2.355	3.292	6.5	18.9
3 2	11 34.07	+18 17.6	2.326	3.293	4.5	18.8
3 12	11 25.89	+19 0.2	2.325	3.293	4.7	18.8
3 22	11 17.80	+19 29.6	2.354	3.293	6.9	19.0
4 1	11 10.55	+19 42.8	2.409	3.292	9.5	19.1
4 11	11 4.79	+19 39.2	2.489	3.291	12.0	19.3

46757 1998 FX_{57} 3 11.3 229°.95 1°.6/12.7 18

2 1	11 53.84	− 3 59.9	1.785	2.543	17.0	19.5
2 11	11 50.24	− 3 40.0	1.679	2.530	13.9	19.2
2 21	11 43.99	− 2 59.3	1.592	2.517	10.0	19.0
3 2	11 35.55	− 1 59.3	1.530	2.503	5.6	18.7
3 12	11 25.77	− 0 44.9	1.496	2.488	1.7	18.4
3 22	11 15.79	+ 0 36.2	1.490	2.472	5.0	18.6
4 1	11 6.82	+ 1 55.1	1.512	2.455	9.8	18.8
4 11	10 59.87	+ 3 3.6	1.558	2.438	14.1	19.0

192207 2007 JB_{33} 3 11.3 134°.54 1°.4/ 9.8 18

2 1	11 49.22	+ 3 49.7	2.057	2.843	14.1	20.8
2 11	11 45.98	+ 4 39.4	1.972	2.846	11.1	20.6
2 21	11 40.64	+ 5 42.2	1.909	2.850	7.5	20.4
3 2	11 33.70	+ 6 53.4	1.873	2.853	3.6	20.2
3 12	11 25.93	+ 8 6.2	1.865	2.857	1.7	20.0
3 22	11 18.21	+ 9 13.5	1.887	2.860	5.3	20.3
4 1	11 11.44	+10 9.5	1.936	2.863	9.1	20.5
4 11	11 6.32	+10 49.9	2.009	2.866	12.5	20.7

46726 1997 SA_{22} 3 11.3 132°.32 0°.7/12.1 18

2 1	11 51.15	− 0 56.1	2.657	3.405	12.2	19.9
2 11	11 46.88	− 0 42.0	2.569	3.418	9.7	19.8
2 21	11 40.94	− 0 16.6	2.505	3.430	6.8	19.6
3 2	11 33.74	+ 0 17.8	2.468	3.442	3.6	19.4
3 12	11 25.94	+ 0 57.8	2.461	3.454	0.7	19.2
3 22	11 18.21	+ 1 39.1	2.484	3.465	3.5	19.4
4 1	11 11.25	+ 2 17.6	2.537	3.475	6.6	19.6
4 11	11 5.62	+ 2 49.6	2.616	3.485	9.5	19.8

117888 2735 $P–L$ 3 11.3 192°.61 0°.5/10.8 16

2 1	11 53.97	+ 2 29.4	2.200	2.967	13.9	21.7
2 11	11 49.61	+ 2 56.1	2.103	2.965	11.0	21.5
2 21	11 43.10	+ 3 35.1	2.028	2.963	7.6	21.2
3 2	11 34.93	+ 4 23.0	1.981	2.960	3.7	21.0
3 12	11 25.84	+ 5 14.7	1.963	2.956	0.7	20.7
3 22	11 16.74	+ 6 4.4	1.974	2.951	4.7	21.0
4 1	11 8.54	+ 6 46.8	2.015	2.946	8.5	21.3
4 11	11 2.01	+ 7 17.8	2.081	2.940	12.0	21.5

32325 2000 QG_{62} 3 11.3 188°.00 3°.0/ 7.6 18

2 1	11 49.62	+11 23.7	2.582	3.373	11.4	18.8
2 11	11 45.84	+12 9.5	2.494	3.373	8.9	18.6
2 21	11 40.32	+13 0.8	2.431	3.372	6.1	18.4
3 2	11 33.48	+13 52.7	2.396	3.372	3.5	18.3
3 12	11 25.96	+14 40.0	2.391	3.371	3.3	18.3
3 22	11 18.48	+15 17.9	2.415	3.370	5.7	18.4
4 1	11 11.77	+15 43.0	2.467	3.368	8.6	18.6
4 11	11 6.42	+15 53.5	2.543	3.367	11.2	18.8

489725 2007 VH_{315} 3 11.3 70°.10 0°.5/11.9 17

2 1	11 49.15	− 0 23.0	2.241	3.006	13.7	21.9
2 11	11 45.68	− 0 6.1	2.157	3.016	10.9	21.7
2 21	11 40.30	+ 0 24.0	2.095	3.026	7.6	21.6
3 2	11 33.49	+ 1 4.5	2.059	3.035	3.9	21.3
3 12	11 25.96	+ 1 50.9	2.052	3.045	0.5	21.1
3 22	11 18.52	+ 2 38.2	2.074	3.055	4.0	21.4
4 1	11 11.95	+ 3 21.1	2.124	3.064	7.6	21.6
4 11	11 6.90	+ 3 55.4	2.200	3.074	10.8	21.8

505021 2011 QW_{24} 3 11.3 238°.99 1°.4/12.7 17

2 1	11 52.65	− 1 42.1	2.657	3.399	12.4	21.9
2 11	11 48.25	− 1 52.4	2.546	3.388	10.0	21.7
2 21	11 42.02	− 1 52.1	2.457	3.378	7.2	21.5
3 2	11 34.36	− 1 42.4	2.396	3.367	4.0	21.3
3 12	11 25.90	− 1 25.7	2.365	3.356	1.4	21.1
3 22	11 17.35	− 1 5.0	2.363	3.344	3.6	21.2
4 1	11 9.48	− 0 44.2	2.392	3.332	6.9	21.4
4 11	11 2.95	− 0 26.8	2.447	3.320	9.9	21.6

82815 2001 QO_{37} 3 11.3 188°.67 1°.3/12.6 18

2 1	11 52.51	− 2 45.2	2.187	2.937	14.5	20.8
2 11	11 48.49	− 2 32.9	2.088	2.937	11.7	20.6
2 21	11 42.36	− 2 5.4	2.012	2.935	8.3	20.3
3 2	11 34.57	− 1 24.6	1.961	2.934	4.6	20.1
3 12	11 25.89	− 0 34.5	1.940	2.932	1.4	19.9
3 22	11 17.18	+ 0 19.4	1.947	2.929	4.1	20.1
4 1	11 9.36	+ 1 11.4	1.984	2.926	7.9	20.3
4 11	11 3.17	+ 1 56.0	2.046	2.922	11.4	20.5

255583 2006 MH_3 3 11.3 201°.45 2°.5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.19	+ 7 23.9	2.145	2.930	13.6	21.9
2 11	11 49.10	+ 8 18.4	2.051	2.926	10.7	21.7
2 21	11 42.81	+ 9 23.8	1.980	2.921	7.2	21.4
3 2	11 34.81	+10 34.4	1.936	2.915	3.7	21.2
3 12	11 25.87	+11 43.4	1.922	2.909	2.9	21.1
3 22	11 16.91	+12 44.0	1.938	2.902	6.1	21.3
4 1	11 8.87	+13 30.5	1.981	2.894	9.7	21.5
4 11	11 2.52	+13 59.9	2.049	2.886	13.0	21.7

285939 2001 QE_{327} 3 11.3 185°.62 4°.6/ 6.7 18

2 1	11 54.62	+14 27.2	2.096	2.894	13.5	21.1
2 11	11 50.23	+15 22.3	2.014	2.894	10.6	20.9
2 21	11 43.57	+16 22.1	1.955	2.894	7.5	20.7
3 2	11 35.16	+17 20.0	1.923	2.893	4.9	20.5
3 12	11 25.85	+18 8.5	1.920	2.892	5.0	20.5
3 22	11 16.63	+18 42.0	1.945	2.890	7.7	20.7
4 1	11 8.45	+18 56.8	1.997	2.888	10.8	20.9
4 11	11 2.09	+18 52.1	2.072	2.885	13.8	21.1

115148 2003 SZ_{66} 3 11.3 166°.73 0°.6/11.9 18

2 1	11 52.71	− 1 51.2	2.110	2.866	14.8	21.0
2 11	11 48.67	− 1 17.5	2.018	2.872	11.8	20.8
2 21	11 42.48	− 0 27.3	1.949	2.877	8.3	20.6
3 2	11 34.63	+ 0 36.3	1.905	2.881	4.3	20.4
3 12	11 25.90	+ 1 47.8	1.891	2.884	0.6	20.1
3 22	11 17.20	+ 3 0.5	1.906	2.886	4.3	20.4
4 1	11 9.46	+ 4 7.6	1.950	2.888	8.3	20.6
4 11	11 3.41	+ 5 3.7	2.020	2.889	11.8	20.8

296186 2009 BK_{159} 3 11.3 197°.44 0°.8/10.3 18

2 1	11 47.26	+ 2 28.3	2.612	3.383	11.8	21.0
2 11	11 44.00	+ 3 16.3	2.516	3.382	9.3	20.8
2 21	11 39.08	+ 4 15.9	2.443	3.380	6.3	20.6
3 2	11 32.89	+ 5 23.4	2.398	3.378	3.0	20.3
3 12	11 26.04	+ 6 33.8	2.383	3.375	1.0	20.2
3 22	11 19.18	+ 7 41.4	2.398	3.372	4.2	20.4
4 1	11 13.00	+ 8 41.3	2.442	3.369	7.4	20.6
4 11	11 8.10	+ 9 29.6	2.512	3.366	10.3	20.8

210795 2001 FL 3 11.3 259°.68 14°.4/ 3.6 18

2 1	12 13.93	+32 8.6	1.213	2.018	20.9	19.9
2 11	12 7.89	+33 22.1	1.147	2.010	18.2	19.7
2 21	11 57.00	+34 23.4	1.099	2.001	15.7	19.5
3 2	11 42.15	+34 54.5	1.071	1.992	14.4	19.4
3 12	11 25.33	+34 40.2	1.066	1.983	15.1	19.4
3 22	11 9.04	+33 34.8	1.083	1.974	17.6	19.5
4 1	10 55.58	+31 42.5	1.120	1.964	20.8	19.6
4 11	10 46.34	+29 15.3	1.176	1.955	24.0	19.8

165190 2000 QC_{221} 3 11.3 239°.27 1°.9/12.7 17

2 1	11 57.12	− 2 4.6	1.869	2.624	16.4	21.3
2 11	11 52.73	− 2 18.1	1.760	2.610	13.4	21.1
2 21	11 45.68	− 2 16.6	1.672	2.596	9.7	20.8
3 2	11 36.39	− 2 1.0	1.609	2.581	5.5	20.5
3 12	11 25.76	− 1 34.4	1.574	2.565	1.9	20.3
3 22	11 14.89	− 1 1.5	1.567	2.548	4.9	20.4
4 1	11 5.02	− 0 28.4	1.588	2.531	9.5	20.6
4 11	10 57.16	− 0 0.8	1.634	2.514	13.6	20.9

17963 Vonderheydt 3 11.3 17°.10 3°.9/ 8.5 18

2 1	11 51.11	+ 8 52.9	1.233	2.062	19.2	17.9
2 11	11 48.84	+ 9 37.3	1.166	2.065	15.1	17.6
2 21	11 43.33	+10 35.2	1.118	2.069	10.3	17.4
3 2	11 35.25	+11 38.1	1.092	2.073	5.5	17.1
3 12	11 25.85	+12 35.3	1.092	2.078	4.4	17.1
3 22	11 16.66	+13 17.0	1.115	2.084	8.7	17.3
4 1	11 9.13	+13 36.8	1.162	2.091	13.5	17.6
4 11	11 4.29	+13 32.5	1.229	2.098	17.8	17.9

409467 2005 SU_{31} 3 11.3 67°.84 0°.8/12.2 18

2 1	11 49.94	− 3 32.2	1.735	2.504	17.0	20.9
2 11	11 46.74	− 2 45.6	1.669	2.529	13.5	20.7
2 21	11 41.22	− 1 38.5	1.623	2.553	9.4	20.5
3 2	11 33.98	− 0 15.2	1.602	2.578	4.9	20.3
3 12	11 25.97	+ 1 16.6	1.609	2.602	0.8	20.0
3 22	11 18.19	+ 2 48.1	1.644	2.626	4.7	20.4
4 1	11 11.63	+ 4 10.9	1.707	2.650	8.9	20.7
4 11	11 6.98	+ 5 18.7	1.795	2.674	12.6	21.0

234151 2000 FX_{18} 3 11.3 32°.50 3°.6/ 7.5 18

2 1	11 44.59	+ 3 50.1	1.364	2.185	18.1	19.0
2 11	11 43.10	+ 5 55.9	1.316	2.213	13.9	18.8
2 21	11 38.98	+ 8 20.8	1.291	2.242	9.1	18.6
3 2	11 32.93	+10 52.5	1.290	2.271	4.7	18.4
3 12	11 26.05	+13 16.2	1.317	2.302	4.3	18.5
3 22	11 19.51	+15 18.9	1.371	2.334	8.2	18.8
4 1	11 14.38	+16 52.3	1.449	2.366	12.4	19.1
4 11	11 11.36	+17 53.8	1.550	2.398	15.9	19.4

19482 Harperlee 3 11.3 276°.73 4°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.96	+16 28.9	2.454	3.254	11.7	18.9
2 11	11 47.16	+17 18.7	2.357	3.237	9.2	18.7
2 21	11 41.39	+18 11.7	2.284	3.221	6.7	18.5
3 2	11 34.10	+19 1.9	2.238	3.204	4.8	18.4
3 12	11 25.96	+19 43.2	2.221	3.187	5.1	18.4
3 22	11 17.77	+20 10.8	2.233	3.169	7.3	18.5
4 1	11 10.38	+20 21.3	2.271	3.152	10.1	18.6
4 11	11 4.47	+20 13.8	2.332	3.135	12.7	18.8

241677 2000 QG_{161} 3 11.3 167°.90 2°.5/14.9 18

2 1	11 48.91	− 8 39.6	3.159	3.865	11.3	21.1
2 11	11 44.96	− 8 36.0	3.057	3.869	9.3	21.0
2 21	11 39.57	− 8 19.3	2.976	3.873	7.0	20.8
3 2	11 33.09	− 7 50.4	2.923	3.877	4.6	20.7
3 12	11 26.04	− 7 11.2	2.898	3.880	2.7	20.5
3 22	11 19.00	− 6 25.0	2.905	3.882	3.3	20.6
4 1	11 12.55	− 5 35.8	2.941	3.884	5.6	20.7
4 11	11 7.18	− 4 47.6	3.006	3.886	8.0	20.9

388838 2008 EZ_5 3 11.3 331°.52 9°.5/ 7.2 17

2 1	11 44.21	+15 51.8	0.752	1.632	23.1	20.9
2 11	11 46.76	+16 14.4	0.634	1.562	19.4	20.4
2 21	11 45.03	+16 48.1	0.530	1.492	14.9	19.7
3 2	11 38.07	+17 23.0	0.442	1.422	10.5	19.1
3 12	11 25.47	+17 39.2	0.369	1.354	10.5	18.6
3 22	11 7.68	+17 8.4	0.310	1.288	17.4	18.3
4 1	10 46.66	+15 16.1	0.264	1.225	27.7	18.2
4 11	10 25.46	+11 32.0	0.228	1.168	39.2	18.1

274151 2008 FS_{70} 3 11.3 228°.86 1°.2/10.0 17

2 1	11 52.77	+ 4 49.0	2.338	3.111	13.0	21.8
2 11	11 48.64	+ 5 20.6	2.231	3.099	10.3	21.6
2 21	11 42.46	+ 6 2.9	2.149	3.086	7.0	21.3
3 2	11 34.65	+ 6 52.1	2.093	3.073	3.4	21.1
3 12	11 25.92	+ 7 43.1	2.067	3.059	1.4	20.9
3 22	11 17.11	+ 8 30.3	2.071	3.044	4.9	21.1
4 1	11 9.08	+ 9 8.7	2.104	3.029	8.6	21.3
4 11	11 2.58	+ 9 34.8	2.162	3.013	11.9	21.5

358110 2006 OF 3 11.3 285°.51 0°.1/11.2 17

2 1	11 49.78	+ 0 12.8	1.610	2.399	17.3	21.4
2 11	11 47.38	+ 0 43.7	1.503	2.377	13.9	21.2
2 21	11 42.26	+ 1 34.9	1.417	2.356	9.7	20.9
3 2	11 34.80	+ 2 43.4	1.355	2.335	4.9	20.5
3 12	11 25.91	+ 4 2.4	1.319	2.313	0.5	20.1
3 22	11 16.73	+ 5 22.9	1.311	2.291	5.9	20.5
4 1	11 8.58	+ 6 35.2	1.328	2.269	11.1	20.7
4 11	11 2.56	+ 7 31.6	1.368	2.248	15.7	20.9

341664 2007 VO_{73} 3 11.3 28°.25 4°.9/16.3 18

2 1	11 47.30	−11 46.5	1.907	2.634	17.0	20.2
2 11	11 44.69	−12 4.8	1.824	2.645	14.3	20.0
2 21	11 39.89	−12 1.3	1.760	2.655	11.2	19.8
3 2	11 33.39	−11 35.5	1.720	2.667	7.8	19.7
3 12	11 26.03	−10 49.9	1.704	2.679	5.2	19.5
3 22	11 18.74	− 9 49.7	1.716	2.691	5.5	19.6
4 1	11 12.46	− 8 42.0	1.755	2.704	8.2	19.8
4 11	11 7.93	− 7 34.6	1.818	2.718	11.4	20.0

116965 2004 HB_9 3 11.3 150°.14 3°.8/ 8.0 18

2 1	11 58.81	+10 55.1	1.851	2.642	15.3	20.3
2 11	11 53.71	+11 47.3	1.776	2.653	11.9	20.1
2 21	11 46.03	+12 47.4	1.723	2.664	8.2	19.9
3 2	11 36.40	+13 48.4	1.697	2.673	4.7	19.7
3 12	11 25.81	+14 42.2	1.700	2.682	4.2	19.7
3 22	11 15.41	+15 22.0	1.732	2.689	7.4	19.9
4 1	11 6.31	+15 43.8	1.791	2.696	11.1	20.1
4 11	10 59.33	+15 46.2	1.874	2.702	14.4	20.3

127089 2002 GU_{76} 3 11.3 295°.42 5°.4/ 5.7 18

2 1	11 49.61	+14 20.4	1.866	2.681	14.2	19.6
2 11	11 46.69	+15 37.3	1.783	2.673	11.2	19.4
2 21	11 41.38	+17 1.5	1.723	2.666	8.0	19.2
3 2	11 34.18	+18 24.6	1.689	2.659	5.6	19.0
3 12	11 25.97	+19 37.5	1.683	2.652	6.0	19.0
3 22	11 17.77	+20 32.4	1.704	2.645	8.9	19.2
4 1	11 10.62	+21 4.4	1.750	2.638	12.2	19.4
4 11	11 5.37	+21 12.2	1.817	2.631	15.4	19.5

225511 2000 QH_{109} 3 11.3 171°.69 2°.0/ 8.6 17

2 1	11 50.79	+ 6 45.4	2.678	3.453	11.5	21.7
2 11	11 46.69	+ 7 49.3	2.587	3.458	8.9	21.6
2 21	11 40.88	+ 9 2.4	2.522	3.462	6.0	21.4
3 2	11 33.78	+10 19.8	2.486	3.465	3.1	21.2
3 12	11 26.01	+11 35.7	2.481	3.467	2.4	21.1
3 22	11 18.28	+12 44.5	2.507	3.469	5.0	21.3
4 1	11 11.27	+13 41.6	2.562	3.470	8.0	21.5
4 11	11 5.58	+14 24.1	2.643	3.470	10.7	21.7

118077 5165 T-$_2$ 3 11.3 243°.72 3°.7/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.20	−10 34.5	2.643	3.349	13.3	20.5
2 11	11 45.64	−10 47.0	2.530	3.339	11.2	20.3
2 21	11 40.30	−10 43.9	2.438	3.329	8.7	20.1
3 2	11 33.57	−10 24.9	2.372	3.319	6.0	20.0
3 12	11 26.04	− 9 51.5	2.333	3.308	3.9	19.8
3 22	11 18.41	− 9 7.0	2.323	3.297	4.3	19.8
4 1	11 11.43	− 8 15.9	2.342	3.286	6.8	19.9
4 11	11 5.75	− 7 23.6	2.388	3.275	9.6	20.1

272892 2006 BJ_{123} 3 11.3 17°.38 0°.3/11.0 17

2 1	11 49.90	+ 1 42.2	1.953	2.734	14.9	21.0
2 11	11 46.68	+ 2 7.8	1.864	2.734	11.8	20.8
2 21	11 41.24	+ 2 47.5	1.797	2.734	8.1	20.5
3 2	11 34.08	+ 3 37.8	1.756	2.735	4.0	20.3
3 12	11 26.00	+ 4 33.0	1.742	2.735	0.5	20.0
3 22	11 17.95	+ 5 26.6	1.757	2.736	4.8	20.3
4 1	11 10.89	+ 6 12.7	1.799	2.737	8.9	20.6
4 11	11 5.57	+ 6 46.5	1.866	2.737	12.6	20.8

42292 2001 TN_{150} 3 11.3 208°.63 1°.1/ 9.9 18

2 1	11 48.59	+ 4 22.4	2.593	3.368	11.8	20.0
2 11	11 45.07	+ 5 1.2	2.495	3.364	9.3	19.8
2 21	11 39.84	+ 5 49.8	2.422	3.360	6.3	19.6
3 2	11 33.30	+ 6 44.8	2.376	3.356	3.0	19.4
3 12	11 26.06	+ 7 41.3	2.360	3.352	1.3	19.3
3 22	11 18.82	+ 8 34.2	2.374	3.347	4.4	19.5
4 1	11 12.28	+ 9 18.9	2.417	3.342	7.6	19.7
4 11	11 7.04	+ 9 52.3	2.486	3.337	10.5	19.9

456814 2007 TP_{366} 3 11.3 118°.47 1°.4/12.6 18

2 1	11 54.94	− 2 35.5	1.826	2.585	16.6	21.8
2 11	11 50.68	− 2 26.9	1.746	2.599	13.4	21.6
2 21	11 43.98	− 2 1.2	1.688	2.613	9.5	21.3
3 2	11 35.41	− 1 20.6	1.654	2.627	5.2	21.1
3 12	11 25.91	− 0 30.2	1.648	2.640	1.5	20.9
3 22	11 16.56	+ 0 23.6	1.671	2.653	4.6	21.1
4 1	11 8.40	+ 1 14.2	1.721	2.665	8.8	21.4
4 11	11 2.23	+ 1 55.8	1.797	2.676	12.6	21.7

423196 2004 PY_{12} 3 11.3 116°.64 4°.1/15.9 18

2 1	11 55.03	−11 36.1	2.561	3.250	14.0	22.1
2 11	11 50.01	−11 55.9	2.476	3.272	11.8	22.0
2 21	11 43.13	−11 59.3	2.413	3.294	9.1	21.8
3 2	11 34.88	−11 46.0	2.375	3.316	6.4	21.7
3 12	11 25.96	−11 17.8	2.366	3.336	4.3	21.6
3 22	11 17.15	−10 38.2	2.386	3.356	4.6	21.6
4 1	11 9.22	− 9 52.0	2.436	3.376	6.8	21.8
4 11	11 2.78	− 9 4.5	2.514	3.394	9.4	22.0

158300 2001 UD_{129} 3 11.3 119°.95 3°.4/ 8.4 18

2 1	11 57.02	+ 9 2.5	1.709	2.505	16.1	20.6
2 11	11 52.42	+ 9 58.0	1.642	2.522	12.6	20.4
2 21	11 45.19	+11 3.5	1.596	2.539	8.5	20.2
3 2	11 35.99	+12 11.7	1.577	2.555	4.6	20.0
3 12	11 25.88	+13 13.9	1.585	2.570	3.8	20.0
3 22	11 16.02	+14 2.8	1.622	2.584	7.3	20.2
4 1	11 7.54	+14 33.3	1.686	2.598	11.2	20.5
4 11	11 1.25	+14 43.8	1.772	2.612	14.6	20.7

307050 2001 YE_{47} 3 11.3 108°.89 5°.6/17.5 18

2 1	11 54.31	−15 39.0	2.279	2.954	15.9	21.5
2 11	11 49.75	−16 4.1	2.197	2.977	13.6	21.4
2 21	11 43.11	−16 8.8	2.134	2.999	10.9	21.2
3 2	11 34.92	−15 51.8	2.095	3.020	8.1	21.1
3 12	11 25.96	−15 14.6	2.083	3.041	6.0	21.0
3 22	11 17.13	−14 21.1	2.099	3.061	5.8	21.0
4 1	11 9.28	−13 17.3	2.144	3.081	7.7	21.2
4 11	11 3.10	−12 10.3	2.215	3.100	10.3	21.3

382917 2004 RP_{214} 3 11.3 223°.98 4°.7/16.7 17

2 1	11 50.84	−14 0.5	2.503	3.189	14.4	21.6
2 11	11 47.10	−14 10.3	2.388	3.178	12.3	21.4
2 21	11 41.41	−14 1.3	2.292	3.167	9.8	21.2
3 2	11 34.17	−13 32.5	2.220	3.155	7.1	21.1
3 12	11 26.02	−12 45.2	2.176	3.143	5.0	20.9
3 22	11 17.74	−11 42.9	2.161	3.130	5.1	20.9
4 1	11 10.16	−10 31.1	2.175	3.116	7.4	21.0
4 11	11 4.00	− 9 16.6	2.215	3.102	10.2	21.1

191243 2002 XJ_{60} 3 11.3 136°.13 2°.5/ 9.2 18

2 1	11 55.37	+ 5 53.2	1.596	2.392	17.1	20.7
2 11	11 51.42	+ 6 44.3	1.521	2.402	13.4	20.5
2 21	11 44.71	+ 7 49.7	1.468	2.411	9.0	20.3
3 2	11 35.84	+ 9 2.7	1.439	2.420	4.5	20.0
3 12	11 25.90	+10 14.2	1.438	2.428	2.8	19.9
3 22	11 16.11	+11 15.6	1.465	2.435	6.9	20.2
4 1	11 7.70	+12 0.1	1.518	2.442	11.3	20.4
4 11	11 1.57	+12 24.4	1.594	2.449	15.2	20.7

36831 2000 SD_{101} 3 11.3 318°.62 8°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.48	−18 13.7	1.817	2.510	18.9	18.8
2 11	11 46.09	−19 2.3	1.716	2.500	16.6	18.6
2 21	11 41.20	−19 26.3	1.631	2.492	13.9	18.3
3 2	11 34.23	−19 21.6	1.567	2.483	11.0	18.1
3 12	11 26.01	−18 47.5	1.526	2.475	8.7	18.0
3 22	11 17.61	−17 46.8	1.510	2.467	8.3	17.9
4 1	11 10.19	−16 26.4	1.520	2.460	10.1	18.0
4 11	11 4.73	−14 56.3	1.553	2.452	13.0	18.2

503231 2015 HP_{104} 3 11.3 316°.52 5°.0/ 5.5 17

2 1	11 49.46	+16 17.9	2.199	3.007	12.6	21.1
2 11	11 46.15	+17 21.8	2.117	3.003	9.9	21.0
2 21	11 40.77	+18 29.4	2.060	2.999	7.2	20.8
3 2	11 33.82	+19 33.7	2.030	2.995	5.2	20.7
3 12	11 26.05	+20 27.7	2.028	2.991	5.6	20.7
3 22	11 18.33	+21 5.6	2.053	2.988	8.0	20.8
4 1	11 11.54	+21 24.0	2.104	2.984	10.8	21.0
4 11	11 6.36	+21 22.2	2.178	2.981	13.5	21.1

500311 2012 RL_3 3 11.3 132°.50 3°.5/15.7 17

2 1	11 51.89	−10 39.6	2.854	3.547	12.6	22.0
2 11	11 47.43	−10 55.6	2.760	3.561	10.6	21.8
2 21	11 41.33	−10 57.2	2.688	3.574	8.1	21.7
3 2	11 34.00	−10 44.4	2.642	3.586	5.6	21.5
3 12	11 26.05	−10 18.9	2.625	3.598	3.7	21.4
3 22	11 18.15	− 9 43.6	2.638	3.610	4.1	21.5
4 1	11 10.95	− 9 2.7	2.681	3.621	6.2	21.6
4 11	11 5.02	− 8 20.6	2.751	3.632	8.7	21.8

505024 2011 QY_{40} 3 11.3 188°.92 4°.9/18.7 18

2 1	11 49.00	−18 41.7	3.345	3.981	11.8	22.5
2 11	11 45.08	−18 57.6	3.232	3.980	10.3	22.4
2 21	11 39.71	−18 57.8	3.140	3.978	8.5	22.3
3 2	11 33.21	−18 41.3	3.072	3.976	6.7	22.1
3 12	11 26.11	−18 8.9	3.032	3.973	5.3	22.0
3 22	11 18.97	−17 22.7	3.020	3.970	5.0	22.0
4 1	11 12.36	−16 26.3	3.038	3.966	6.1	22.1
4 11	11 6.82	−15 24.5	3.083	3.962	7.9	22.2

208420 2001 SQ_{324} 3 11.3 97°.04 3°.9/15.5 18

2 1	11 50.67	− 9 51.9	2.371	3.085	14.4	20.4
2 11	11 46.88	−10 11.3	2.278	3.093	12.0	20.3
2 21	11 41.17	−10 14.2	2.206	3.101	9.2	20.1
3 2	11 34.00	−10 0.5	2.160	3.109	6.3	19.9
3 12	11 26.06	− 9 32.0	2.140	3.117	4.1	19.8
3 22	11 18.15	− 8 52.5	2.150	3.124	4.6	19.8
4 1	11 11.06	− 8 6.8	2.187	3.132	7.1	20.0
4 11	11 5.46	− 7 20.7	2.252	3.140	10.0	20.2

2900 Luboš Perek 3 11.3 226°.18 2°.2/ 8.9 18

2 1	11 52.17	+ 9 14.6	2.488	3.271	12.0	17.3
2 11	11 47.97	+ 9 40.4	2.392	3.265	9.4	17.1
2 21	11 41.88	+10 12.5	2.319	3.259	6.4	16.9
3 2	11 34.34	+10 46.8	2.275	3.253	3.3	16.7
3 12	11 26.04	+11 18.6	2.260	3.247	2.4	16.6
3 22	11 17.74	+11 43.5	2.275	3.240	5.2	16.8
4 1	11 10.23	+11 58.0	2.318	3.233	8.4	17.0
4 11	11 4.18	+12 0.1	2.386	3.226	11.3	17.1

229985 1999 XQ_{78} 3 11.3 9°.36 4°.5/14.5 18

2 1	11 50.15	− 7 25.5	1.243	2.023	21.9	20.1
2 11	11 48.23	− 7 48.5	1.164	2.023	18.2	19.8
2 21	11 43.09	− 7 44.6	1.102	2.024	13.7	19.5
3 2	11 35.28	− 7 13.0	1.060	2.026	8.7	19.3
3 12	11 25.96	− 6 17.5	1.041	2.028	4.7	19.0
3 22	11 16.63	− 5 6.1	1.047	2.030	6.4	19.1
4 1	11 8.83	− 3 50.1	1.077	2.033	11.2	19.4
4 11	11 3.71	− 2 41.0	1.128	2.037	16.0	19.7

322226 2011 BY_6 3 11.3 282°.32 2°.0/ 9.5 17

2 1	11 50.51	+ 5 41.7	1.847	2.643	15.1	20.9
2 11	11 47.50	+ 6 20.6	1.746	2.627	12.0	20.6
2 21	11 42.05	+ 7 12.8	1.667	2.611	8.2	20.4
3 2	11 34.61	+ 8 13.4	1.614	2.595	4.0	20.1
3 12	11 26.02	+ 9 15.5	1.588	2.578	2.3	19.9
3 22	11 17.29	+10 11.5	1.590	2.562	6.2	20.1
4 1	11 9.53	+10 54.8	1.619	2.546	10.5	20.3
4 11	11 3.64	+11 21.0	1.670	2.530	14.4	20.5

110311 2001 SL_{278} 3 11.3 100°.25 1°.6/12.9 18

2 1	11 54.60	− 3 22.4	2.102	2.848	15.1	21.0
2 11	11 49.98	− 3 13.1	2.028	2.873	12.1	20.9
2 21	11 43.26	− 2 48.4	1.976	2.897	8.6	20.7
3 2	11 34.99	− 2 10.4	1.949	2.920	4.8	20.5
3 12	11 26.01	− 1 23.6	1.952	2.943	1.6	20.3
3 22	11 17.22	− 0 33.4	1.984	2.965	4.0	20.5
4 1	11 9.51	+ 0 14.6	2.044	2.987	7.7	20.8
4 11	11 3.55	+ 0 55.4	2.131	3.008	11.0	21.0

286118 2001 TB_{132} 3 11.3 129°.47 1°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.93	− 3 42.1	2.038	2.791	15.3	21.6
2 11	11 48.13	− 3 28.2	1.951	2.800	12.4	21.4
2 21	11 42.16	− 2 57.4	1.886	2.809	8.8	21.2
3 2	11 34.53	− 2 11.9	1.846	2.818	4.9	21.0
3 12	11 26.04	− 1 16.2	1.835	2.826	1.6	20.8
3 22	11 17.63	− 0 16.3	1.852	2.834	4.2	21.0
4 1	11 10.21	+ 0 41.3	1.897	2.842	8.1	21.2
4 11	11 4.52	+ 1 31.0	1.968	2.849	11.6	21.5

433600 2013 YK_{62} 3 11.3 39°.56 4°.2/ 6.4 18

2 1	11 47.94	+12 38.5	2.145	2.952	12.9	20.6
2 11	11 44.94	+13 49.9	2.069	2.956	10.0	20.4
2 21	11 39.94	+15 7.8	2.017	2.960	7.0	20.2
3 2	11 33.41	+16 25.4	1.992	2.964	4.5	20.1
3 12	11 26.13	+17 35.2	1.995	2.968	4.7	20.1
3 22	11 18.92	+18 30.9	2.027	2.973	7.3	20.2
4 1	11 12.64	+19 8.1	2.085	2.977	10.3	20.4
4 11	11 7.94	+19 25.3	2.165	2.982	13.1	20.6

1857 Parchomenko 3 11.3 106°.01 2°.8/13.7 18

2 1	11 54.15	− 6 13.3	1.562	2.320	19.0	16.1
2 11	11 50.53	− 6 7.2	1.486	2.335	15.5	15.9
2 21	11 44.13	− 5 38.0	1.428	2.349	11.3	15.6
3 2	11 35.59	− 4 47.2	1.394	2.362	6.7	15.4
3 12	11 25.97	− 3 40.3	1.386	2.376	2.9	15.2
3 22	11 16.50	− 2 25.3	1.406	2.389	5.1	15.4
4 1	11 8.40	− 1 11.5	1.452	2.401	9.6	15.6
4 11	11 2.58	− 0 7.0	1.522	2.413	13.7	15.9

430614 2002 XL_{51} 3 11.3 101°.50 1°.8/13.6 18

2 1	11 50.58	− 5 24.1	2.649	3.379	12.7	21.6
2 11	11 46.42	− 5 8.6	2.570	3.403	10.3	21.5
2 21	11 40.63	− 4 39.3	2.513	3.426	7.4	21.3
3 2	11 33.65	− 3 57.8	2.483	3.449	4.3	21.1
3 12	11 26.12	− 3 7.9	2.483	3.472	1.9	21.0
3 22	11 18.72	− 2 13.8	2.513	3.494	3.4	21.1
4 1	11 12.11	− 1 20.4	2.572	3.515	6.3	21.4
4 11	11 6.83	− 0 32.1	2.659	3.536	9.1	21.6

20540 Marhalpern 3 11.3 197°.25 1°.6/ 9.7 18 R

2 1	11 52.50	+ 6 24.0	2.137	2.921	13.7	19.2
2 11	11 48.53	+ 6 51.3	2.046	2.920	10.8	19.0
2 21	11 42.43	+ 7 28.2	1.978	2.918	7.3	18.7
3 2	11 34.67	+ 8 10.4	1.937	2.917	3.6	18.5
3 12	11 26.04	+ 8 52.3	1.924	2.915	1.9	18.4
3 22	11 17.43	+ 9 28.5	1.941	2.913	5.3	18.6
4 1	11 9.76	+ 9 54.5	1.985	2.911	9.0	18.8
4 11	11 3.77	+10 7.3	2.055	2.908	12.3	19.0

85999 1999 JY_{72} 3 11.3 102°.33 0°.7/11.9 18

2 1	11 51.83	− 2 27.9	1.619	2.394	17.8	18.9
2 11	11 48.57	− 1 49.7	1.543	2.407	14.2	18.7
2 21	11 42.72	− 0 50.1	1.487	2.420	9.9	18.4
3 2	11 34.87	+ 0 26.6	1.456	2.433	5.1	18.2
3 12	11 26.03	+ 1 53.0	1.451	2.445	0.7	17.9
3 22	11 17.33	+ 3 19.7	1.475	2.457	5.1	18.2
4 1	11 9.90	+ 4 37.8	1.525	2.468	9.8	18.5
4 11	11 4.59	+ 5 40.5	1.600	2.480	13.8	18.8

353791 2012 PH_{43} 3 11.3 141°.18 1°.3/ 9.8 17

2 1	11 50.42	+ 5 16.4	2.418	3.196	12.5	21.6
2 11	11 46.57	+ 5 52.0	2.332	3.203	9.8	21.4
2 21	11 40.89	+ 6 37.0	2.270	3.209	6.6	21.2
3 2	11 33.84	+ 7 27.5	2.235	3.215	3.2	21.0
3 12	11 26.11	+ 8 18.3	2.230	3.221	1.5	20.9
3 22	11 18.43	+ 9 4.3	2.255	3.227	4.7	21.1
4 1	11 11.58	+ 9 41.1	2.308	3.232	8.0	21.3
4 11	11 6.17	+10 5.9	2.386	3.237	10.9	21.5

294352 2007 VF_{95} 3 11.3 62°.56 2°.8/13.4 18

2 1	11 54.44	− 3 57.8	1.521	2.290	19.0	20.5
2 11	11 50.83	− 4 16.8	1.445	2.302	15.5	20.3
2 21	11 44.39	− 4 16.3	1.389	2.314	11.2	20.0
3 2	11 35.74	− 3 57.2	1.356	2.326	6.6	19.8
3 12	11 25.96	− 3 23.6	1.348	2.338	2.9	19.6
3 22	11 16.34	− 2 41.9	1.368	2.351	5.3	19.8
4 1	11 8.12	− 1 59.4	1.413	2.363	9.7	20.1
4 11	11 2.23	− 1 23.1	1.482	2.376	13.9	20.3

232274 2002 QU_{103} 3 11.3 140°.67 2°.6/ 8.2 18

2 1	11 50.23	+ 9 16.5	2.423	3.212	12.1	20.8
2 11	11 46.43	+10 8.3	2.341	3.219	9.4	20.6
2 21	11 40.80	+11 7.4	2.284	3.226	6.4	20.4
3 2	11 33.80	+12 8.8	2.255	3.233	3.5	20.2
3 12	11 26.11	+13 6.4	2.256	3.239	3.0	20.2
3 22	11 18.51	+13 55.1	2.285	3.245	5.6	20.4
4 1	11 11.74	+14 30.8	2.343	3.251	8.7	20.6
4 11	11 6.42	+14 51.4	2.426	3.256	11.4	20.8

59074 1998 VN_{13} 3 11.3 72°.67 3°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.44	− 7 29.0	1.405	2.170	20.5	19.6
2 11	11 49.52	− 7 35.0	1.331	2.182	16.9	19.4
2 21	11 43.64	− 7 15.4	1.274	2.194	12.5	19.2
3 2	11 35.42	− 6 30.9	1.240	2.205	7.8	18.9
3 12	11 25.99	− 5 26.2	1.230	2.217	3.9	18.7
3 22	11 16.70	− 4 9.9	1.246	2.229	5.7	18.9
4 1	11 8.89	− 2 52.2	1.288	2.241	10.2	19.2
4 11	11 3.51	− 1 42.9	1.353	2.253	14.5	19.4

424772 2008 TE_{94} 3 11.3 202°.60 2°.9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.96	+11 3.1	2.464	3.250	12.0	21.9
2 11	11 48.61	+11 44.0	2.370	3.246	9.4	21.8
2 21	11 42.34	+12 30.8	2.302	3.241	6.5	21.6
3 2	11 34.59	+13 18.7	2.261	3.236	3.7	21.4
3 12	11 26.06	+14 2.1	2.249	3.231	3.3	21.3
3 22	11 17.54	+14 36.2	2.268	3.225	5.9	21.5
4 1	11 9.84	+14 57.2	2.315	3.219	8.9	21.7
4 11	11 3.63	+15 3.4	2.386	3.212	11.8	21.8

453772 2011 GF_{69} 3 11.3 249°.74 0°.3/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.27	+ 0 48.6	1.605	2.388	17.6	22.2
2 11	11 50.99	+ 1 18.5	1.500	2.371	14.2	22.0
2 21	11 44.80	+ 2 8.0	1.415	2.353	9.9	21.7
3 2	11 36.13	+ 3 13.8	1.355	2.334	4.9	21.3
3 12	11 25.93	+ 4 29.0	1.321	2.315	0.6	20.9
3 22	11 15.44	+ 5 44.5	1.315	2.295	6.1	21.3
4 1	11 6.04	+ 6 50.9	1.336	2.274	11.3	21.5
4 11	10 58.90	+ 7 41.1	1.379	2.253	16.0	21.7

291033 2005 YG_{35} 3 11.3 39°.83 1°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.25	− 3 0.4	1.302	2.094	20.5	21.0
2 11	11 48.83	− 2 55.7	1.228	2.100	16.6	20.7
2 21	11 43.31	− 2 27.5	1.172	2.106	11.8	20.5
3 2	11 35.31	− 1 38.2	1.137	2.113	6.5	20.2
3 12	11 26.00	− 0 34.3	1.128	2.120	1.9	19.9
3 22	11 16.81	+ 0 34.9	1.143	2.128	5.7	20.2
4 1	11 9.14	+ 1 39.2	1.184	2.136	11.0	20.5
4 11	11 4.03	+ 2 30.4	1.246	2.144	15.7	20.8

73666 1981 EH_{45} 3 11.3 62°.76 3°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.28	− 6 19.7	1.588	2.346	18.8	19.7
2 11	11 49.83	− 6 40.4	1.511	2.358	15.4	19.5
2 21	11 43.67	− 6 40.2	1.452	2.369	11.4	19.3
3 2	11 35.38	− 6 19.6	1.416	2.381	7.1	19.1
3 12	11 26.00	− 5 42.0	1.406	2.392	3.8	18.9
3 22	11 16.74	− 4 53.4	1.423	2.404	5.3	19.0
4 1	11 8.79	− 4 1.7	1.466	2.416	9.4	19.3
4 11	11 3.07	− 3 14.4	1.533	2.428	13.4	19.5

448449 2010 DX_{75} 3 11.3 75°.98 0°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.89	+ 0 15.1	1.402	2.199	19.0	21.5
2 11	11 48.33	+ 0 58.7	1.325	2.205	15.1	21.3
2 21	11 42.85	+ 2 4.4	1.268	2.210	10.4	21.0
3 2	11 35.04	+ 3 26.9	1.235	2.215	5.0	20.7
3 12	11 26.02	+ 4 56.9	1.227	2.221	0.8	20.4
3 22	11 17.10	+ 6 23.5	1.246	2.226	6.2	20.8
4 1	11 9.59	+ 7 36.9	1.290	2.232	11.4	21.1
4 11	11 4.47	+ 8 30.2	1.357	2.237	15.8	21.4

137105 1998 YK_{31} 3 11.3 100°.23 2°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.60	+ 8 18.6	1.901	2.693	14.9	19.9
2 11	11 50.22	+ 9 13.2	1.836	2.715	11.5	19.7
2 21	11 43.53	+10 17.1	1.794	2.736	7.8	19.5
3 2	11 35.16	+11 23.8	1.779	2.757	4.1	19.3
3 12	11 26.04	+12 25.7	1.792	2.778	3.3	19.3
3 22	11 17.17	+13 16.3	1.835	2.798	6.4	19.5
4 1	11 9.50	+13 50.8	1.904	2.817	10.0	19.8
4 11	11 3.76	+14 7.5	1.997	2.836	13.2	20.0

139084 2001 FY_{22} 3 11.3 307°.07 1°.7/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.38	+ 4 4.9	1.528	2.334	17.3	20.1
2 11	11 47.12	+ 4 41.9	1.435	2.320	13.7	19.8
2 21	11 42.08	+ 5 36.1	1.361	2.307	9.4	19.5
3 2	11 34.74	+ 6 42.5	1.312	2.293	4.6	19.2
3 12	11 26.05	+ 7 52.8	1.289	2.280	2.0	19.0
3 22	11 17.24	+ 8 57.8	1.292	2.268	6.7	19.2
4 1	11 9.59	+ 9 49.1	1.320	2.256	11.7	19.5
4 11	11 4.16	+10 21.0	1.370	2.244	16.1	19.7

202655 2006 KK_{10} 3 11.3 218°.28 0°.3/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.56	− 0 0.1	2.262	3.027	13.6	21.1
2 11	11 46.14	+ 0 22.6	2.164	3.024	10.9	20.9
2 21	11 40.76	+ 0 58.7	2.090	3.021	7.6	20.6
3 2	11 33.85	+ 1 45.6	2.041	3.018	3.8	20.4
3 12	11 26.13	+ 2 38.7	2.021	3.015	0.3	20.1
3 22	11 18.39	+ 3 32.4	2.031	3.011	4.1	20.4
4 1	11 11.46	+ 4 21.4	2.069	3.008	7.9	20.6
4 11	11 6.04	+ 5 0.9	2.132	3.004	11.2	20.8

45092 1999 XD_{50} 3 11.3 202°.30 0°.7/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.36	− 1 26.7	2.204	2.958	14.3	21.0
2 11	11 49.22	− 1 4.4	2.102	2.953	11.5	20.8
2 21	11 42.94	− 0 26.9	2.021	2.948	8.1	20.5
3 2	11 34.97	+ 0 23.2	1.967	2.942	4.2	20.3
3 12	11 26.05	+ 1 21.3	1.942	2.935	0.7	20.0
3 22	11 17.07	+ 2 21.7	1.947	2.927	4.2	20.3
4 1	11 8.94	+ 3 18.3	1.980	2.919	8.2	20.5
4 11	11 2.44	+ 4 5.7	2.040	2.910	11.7	20.7

502577 2015 BJ_{507} 3 11.3 137°.12 1°.4/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.91	− 2 9.0	2.128	2.884	14.6	21.9
2 11	11 48.07	− 2 8.4	2.036	2.888	11.8	21.7
2 21	11 42.12	− 1 53.5	1.966	2.891	8.4	21.5
3 2	11 34.53	− 1 26.3	1.921	2.894	4.6	21.2
3 12	11 26.08	− 0 50.3	1.905	2.897	1.5	21.0
3 22	11 17.66	− 0 10.4	1.918	2.900	4.1	21.2
4 1	11 10.15	+ 0 28.1	1.958	2.902	7.9	21.4
4 11	11 4.30	+ 1 0.3	2.025	2.905	11.3	21.6

432554 2010 JR_{47} 3 11.3 248°.05 1°.5/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.52	− 5 52.4	2.571	3.309	12.8	21.7
2 11	11 43.58	− 5 13.3	2.459	3.298	10.5	21.5
2 21	11 38.93	− 4 17.1	2.370	3.287	7.6	21.3
3 2	11 32.94	− 3 5.7	2.307	3.276	4.3	21.1
3 12	11 26.20	− 1 43.4	2.274	3.265	1.6	20.9
3 22	11 19.39	− 0 15.8	2.271	3.253	3.5	21.0
4 1	11 13.24	+ 1 10.8	2.298	3.242	6.9	21.2
4 11	11 8.35	+ 2 30.1	2.352	3.230	10.1	21.4

495004 2010 KD_{50} 3 11.3 269°.19 2°.8/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.27	− 5 44.7	1.777	2.530	17.2	22.0
2 11	11 49.18	− 5 47.2	1.662	2.508	14.3	21.7
2 21	11 43.45	− 5 29.5	1.567	2.486	10.6	21.4
3 2	11 35.44	− 4 51.5	1.496	2.463	6.5	21.1
3 12	11 26.00	− 3 56.2	1.451	2.439	3.0	20.8
3 22	11 16.22	− 2 49.6	1.433	2.415	5.1	20.9
4 1	11 7.35	− 1 39.9	1.443	2.391	9.7	21.1
4 11	11 0.46	− 0 35.5	1.477	2.366	14.2	21.3

584 Semiramis 3 11.3 159°.11 5°.3/16.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.49	−13 40.6	2.193	2.881	16.1	13.5
2 11	11 50.91	−14 4.8	2.097	2.890	13.7	13.3
2 21	11 44.10	−14 9.0	2.021	2.897	10.9	13.2
3 2	11 35.53	−13 51.9	1.969	2.904	7.9	13.0
3 12	11 26.01	−13 14.8	1.943	2.909	5.6	12.9
3 22	11 16.49	−12 21.5	1.947	2.915	5.7	12.9
4 1	11 7.92	−11 18.1	1.979	2.919	8.1	13.0
4 11	11 1.09	−10 11.9	2.037	2.922	11.1	13.2

214431 2005 QN_{54} 3 11.3 194°.51 0°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.46	+ 0 40.1	3.057	3.810	10.7	21.9
2 11	11 44.69	+ 1 3.8	2.954	3.807	8.5	21.7
2 21	11 39.46	+ 1 37.2	2.876	3.805	5.9	21.6
3 2	11 33.12	+ 2 18.0	2.825	3.802	2.9	21.4
3 12	11 26.19	+ 3 2.8	2.805	3.798	0.2	21.1
3 22	11 19.26	+ 3 47.8	2.815	3.794	3.2	21.4
4 1	11 12.90	+ 4 29.2	2.855	3.790	6.2	21.6
4 11	11 7.65	+ 5 3.7	2.923	3.785	8.8	21.7

162901 2001 HF_{46} 3 11.3 16°.85 3°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.47	+ 7 24.9	1.281	2.105	18.9	19.7
2 11	11 48.23	+ 7 59.9	1.213	2.109	14.8	19.5
2 21	11 42.88	+ 8 49.0	1.164	2.114	10.1	19.2
3 2	11 35.08	+ 9 44.8	1.138	2.120	5.1	18.9
3 12	11 26.05	+10 37.8	1.137	2.126	3.4	18.8
3 22	11 17.20	+11 18.8	1.160	2.133	7.8	19.1
4 1	11 9.92	+11 41.2	1.208	2.141	12.7	19.4
4 11	11 5.21	+11 42.2	1.275	2.150	17.0	19.7

189317 2006 WE_{88} 3 11.3 1°.16 0°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 44.10	− 1 45.2	1.280	2.089	19.8	19.7
2 11	11 43.26	− 1 20.1	1.202	2.087	15.9	19.5
2 21	11 39.54	− 0 30.3	1.143	2.085	11.2	19.2
3 2	11 33.49	+ 0 40.5	1.106	2.085	5.8	18.9
3 12	11 26.17	+ 2 4.1	1.093	2.086	0.7	18.5
3 22	11 18.89	+ 3 29.5	1.105	2.089	5.9	18.9
4 1	11 12.96	+ 4 45.6	1.141	2.093	11.3	19.2
4 11	11 9.41	+ 5 43.9	1.198	2.098	16.0	19.5

424624 2008 JL_{37} 3 11.3 341°.44 10°.4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.06	+23 1.0	1.416	2.255	16.6	20.3
2 11	11 46.43	+25 2.6	1.351	2.246	13.7	20.1
2 21	11 41.73	+27 5.2	1.308	2.238	11.2	19.9
3 2	11 34.57	+28 54.7	1.289	2.231	10.4	19.9
3 12	11 26.10	+30 17.2	1.293	2.225	11.7	19.9
3 22	11 17.70	+31 3.8	1.320	2.219	14.4	20.0
4 1	11 10.78	+31 11.2	1.367	2.215	17.5	20.2
4 11	11 6.37	+30 42.1	1.431	2.211	20.4	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
344329 2001 VZ_{41}			3 11.3 102°.11	8°.1/23.5 17		
	h m	° ′			°	m
2 1	11 49.47	−28 1.2	2.721	3.301	15.3	20.9
2 11	11 45.90	−28 35.6	2.630	3.316	13.8	20.8
2 21	11 40.50	−28 47.7	2.555	3.330	12.1	20.7
3 2	11 33.69	−28 34.7	2.501	3.345	10.3	20.6
3 12	11 26.17	−27 56.4	2.470	3.359	8.8	20.5
3 22	11 18.69	−26 54.9	2.464	3.373	8.1	20.5
4 1	11 12.00	−25 35.0	2.485	3.387	8.5	20.5
4 11	11 6.75	−24 3.6	2.532	3.400	9.8	20.6
263881 2009 ES_{10}			3 11.3 358°.99	2°.3/ 9.8 18		
2 1	11 54.93	+ 7 18.2	1.465	2.272	17.8	20.5
2 11	11 51.47	+ 7 34.4	1.385	2.271	14.1	20.3
2 21	11 45.01	+ 8 2.1	1.325	2.270	9.6	20.0
3 2	11 36.14	+ 8 35.9	1.289	2.270	4.8	19.7
3 12	11 25.99	+ 9 8.4	1.279	2.270	2.6	19.6
3 22	11 15.93	+ 9 32.4	1.296	2.271	7.0	19.9
4 1	11 7.31	+ 9 42.3	1.338	2.271	11.8	20.1
4 11	11 1.14	+ 9 35.5	1.401	2.272	16.0	20.4
505783 2015 BZ_{286}			3 11.3 270°.97	5°.8/17.3 17		
2 1	11 48.90	−15 9.1	2.091	2.788	16.6	20.9
2 11	11 46.07	−15 26.7	1.978	2.774	14.3	20.7
2 21	11 41.01	−15 22.0	1.883	2.759	11.5	20.5
3 2	11 34.12	−14 52.9	1.811	2.744	8.6	20.3
3 12	11 26.13	−14 0.2	1.764	2.729	6.2	20.1
3 22	11 17.96	−12 47.8	1.745	2.714	6.2	20.1
4 1	11 10.59	−11 22.6	1.753	2.698	8.5	20.2
4 11	11 4.90	− 9 53.3	1.787	2.683	11.8	20.3
358671 2007 XP_{21}			3 11.3 175°.01	5°.2/17.7 18		
2 1	11 49.39	−15 43.2	2.582	3.257	14.2	20.9
2 11	11 45.84	−16 4.5	2.479	3.258	12.2	20.8
2 21	11 40.49	−16 7.5	2.395	3.259	9.9	20.6
3 2	11 33.72	−15 51.1	2.336	3.260	7.5	20.4
3 12	11 26.18	−15 16.3	2.303	3.260	5.6	20.3
3 22	11 18.59	−14 26.1	2.299	3.260	5.4	20.3
4 1	11 11.73	−13 25.5	2.322	3.261	7.2	20.4
4 11	11 6.24	−12 20.6	2.373	3.260	9.6	20.6
61079 2000 LY_{17}			3 11.3 254°.20	2°.8/13.7 18		
2 1	11 52.19	− 6 8.9	1.752	2.505	17.4	19.3
2 11	11 49.09	− 6 4.0	1.643	2.489	14.4	19.1
2 21	11 43.35	− 5 37.5	1.553	2.472	10.7	18.8
3 2	11 35.39	− 4 49.6	1.487	2.455	6.5	18.5
3 12	11 26.04	− 3 44.1	1.448	2.437	2.9	18.2
3 22	11 16.44	− 2 27.7	1.436	2.419	5.1	18.3
4 1	11 7.81	− 1 9.1	1.451	2.400	9.7	18.5
4 11	11 1.20	+ 0 2.8	1.491	2.381	14.1	18.8
202265 2005 AY_{63}			3 11.3 194°.38	0°.7/10.6 18		
2 1	11 49.81	+ 2 42.7	2.252	3.027	13.4	20.9
2 11	11 46.33	+ 3 17.0	2.159	3.026	10.5	20.7
2 21	11 40.89	+ 4 3.5	2.088	3.025	7.2	20.5
3 2	11 33.93	+ 4 58.6	2.044	3.024	3.5	20.3
3 12	11 26.17	+ 5 56.9	2.029	3.022	0.9	20.1
3 22	11 18.42	+ 6 52.6	2.044	3.020	4.6	20.4
4 1	11 11.50	+ 7 40.3	2.087	3.018	8.3	20.6
4 11	11 6.10	+ 8 16.1	2.155	3.016	11.5	20.8
333435 2003 SS_{144}			3 11.3 231°.67	4°.0/16.2 17		
2 1	11 51.05	−12 38.6	2.823	3.508	12.9	22.6
2 11	11 47.05	−12 44.9	2.700	3.492	11.0	22.5
2 21	11 41.30	−12 34.8	2.597	3.476	8.7	22.3
3 2	11 34.15	−12 7.9	2.520	3.459	6.2	22.1
3 12	11 26.16	−11 25.5	2.471	3.441	4.2	21.9
3 22	11 18.03	−10 30.7	2.452	3.423	4.4	21.9
4 1	11 10.49	− 9 28.1	2.462	3.403	6.7	22.0
4 11	11 4.18	− 8 23.4	2.501	3.383	9.3	22.2
258389 2001 XX_{73}			3 11.3 85°.23	8°.4/ 3.7 18		
2 1	11 57.26	+24 20.6	1.793	2.602	14.9	20.0
2 11	11 52.71	+25 34.7	1.736	2.612	12.2	19.8
2 21	11 45.46	+26 45.0	1.701	2.622	9.7	19.7
3 2	11 36.19	+27 41.5	1.691	2.632	8.5	19.6
3 12	11 26.03	+28 15.5	1.707	2.642	9.1	19.7
3 22	11 16.18	+28 22.4	1.749	2.652	11.3	19.8
4 1	11 7.81	+28 1.4	1.815	2.661	13.9	20.0
4 11	11 1.70	+27 15.4	1.900	2.671	16.4	20.2
322608 6363 P–L			3 11.3 207°.68	0°.0/11.2 17		
2 1	11 54.73	+ 0 52.8	2.091	2.854	14.7	21.9
2 11	11 50.45	+ 1 15.9	1.989	2.848	11.7	21.7
2 21	11 43.89	+ 1 53.1	1.909	2.841	8.1	21.4
3 2	11 35.49	+ 2 41.6	1.856	2.834	4.1	21.2
3 12	11 26.07	+ 3 36.1	1.832	2.825	0.3	20.8
3 22	11 16.57	+ 4 30.5	1.837	2.816	4.7	21.2
4 1	11 7.98	+ 5 18.9	1.871	2.806	8.8	21.4
4 11	11 1.14	+ 5 56.4	1.930	2.795	12.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
500225 2012 HU_{77}			3 11.3 324°.89	5°.2/15.9 17		
	h m	° ′			°	m
2 1	11 46.20	−11 23.3	1.598	2.345	19.1	21.4
2 11	11 44.56	−11 37.0	1.498	2.333	16.2	21.2
2 21	11 40.31	−11 24.7	1.416	2.321	12.6	20.9
3 2	11 33.89	−10 44.7	1.355	2.309	8.7	20.7
3 12	11 26.17	− 9 39.2	1.319	2.298	5.6	20.5
3 22	11 18.29	− 8 14.5	1.308	2.288	6.1	20.5
4 1	11 11.46	− 6 40.2	1.323	2.278	9.7	20.6
4 11	11 6.71	− 5 7.5	1.361	2.269	13.9	20.8
284214 2006 BT_{262}			3 11.3 178°.30	2°.1/ 9.3 18		
2 1	11 52.93	+ 4 41.9	1.815	2.604	15.6	21.5
2 11	11 49.31	+ 5 43.2	1.729	2.606	12.2	21.3
2 21	11 43.22	+ 6 59.7	1.665	2.607	8.3	21.1
3 2	11 35.18	+ 8 25.3	1.627	2.608	4.1	20.8
3 12	11 26.11	+ 9 51.5	1.618	2.608	2.5	20.7
3 22	11 17.07	+11 9.6	1.638	2.607	6.4	20.9
4 1	11 9.13	+12 12.3	1.684	2.606	10.6	21.2
4 11	11 3.15	+12 55.3	1.754	2.604	14.3	21.4
109175 2001 QB_{66}			3 11.3 192°.27	1°.0/12.5 16		
2 1	11 52.27	− 2 34.2	2.498	3.240	13.1	21.9
2 11	11 48.08	− 2 11.4	2.394	3.238	10.5	21.7
2 21	11 42.02	− 1 34.4	2.313	3.236	7.5	21.5
3 2	11 34.49	− 0 45.6	2.259	3.232	4.0	21.3
3 12	11 26.17	+ 0 11.1	2.235	3.228	1.0	21.0
3 22	11 17.81	+ 1 10.8	2.242	3.223	3.7	21.2
4 1	11 10.20	+ 2 7.9	2.278	3.217	7.2	21.5
4 11	11 4.01	+ 2 57.7	2.341	3.211	10.4	21.6
268449 2005 WP_{51}			3 11.3 159°.41	1°.5/ 9.7 16		
2 1	11 52.84	+ 5 34.6	2.425	3.198	12.6	22.0
2 11	11 48.48	+ 6 12.9	2.338	3.206	9.8	21.8
2 21	11 42.23	+ 7 0.6	2.274	3.212	6.6	21.6
3 2	11 34.56	+ 7 53.5	2.239	3.218	3.2	21.4
3 12	11 26.16	+ 8 46.3	2.233	3.223	1.7	21.3
3 22	11 17.84	+ 9 33.8	2.258	3.228	4.8	21.5
4 1	11 10.36	+10 11.7	2.311	3.232	8.1	21.7
4 11	11 4.36	+10 37.0	2.390	3.236	11.1	21.9
132230 2002 EU_{72}			3 11.3 59°.70	0°.4/11.6 18		
2 1	11 52.45	+ 0 0.6	1.464	2.255	18.6	20.3
2 11	11 49.42	+ 0 16.6	1.389	2.262	14.9	20.1
2 21	11 43.53	+ 0 51.5	1.332	2.270	10.4	19.9
3 2	11 35.40	+ 1 41.8	1.299	2.278	5.2	19.6
3 12	11 26.11	+ 2 40.6	1.292	2.286	0.4	19.2
3 22	11 16.94	+ 3 39.4	1.312	2.294	5.6	19.6
4 1	11 9.17	+ 4 30.1	1.357	2.302	10.5	19.9
4 11	11 3.74	+ 5 6.6	1.425	2.310	14.9	20.2
451231 2010 CD_{249}			3 11.4 7°.46	2°.4/ 9.5 18		
2 1	11 51.69	+ 4 58.8	1.307	2.122	19.1	20.9
2 11	11 49.27	+ 5 44.4	1.231	2.122	15.1	20.6
2 21	11 43.71	+ 6 48.3	1.174	2.122	10.3	20.3
3 2	11 35.60	+ 8 3.6	1.141	2.122	5.0	20.0
3 12	11 26.12	+ 9 19.8	1.132	2.123	2.8	19.9
3 22	11 16.71	+10 26.2	1.149	2.124	7.6	20.2
4 1	11 8.81	+11 14.1	1.191	2.125	12.8	20.5
4 11	11 3.49	+11 38.8	1.252	2.126	17.3	20.7
232575 2003 SK_{333}			3 11.4 183°.02	2°.8/ 7.8 17		
2 1	11 50.10	+ 9 21.7	2.505	3.293	11.8	20.9
2 11	11 46.36	+10 24.5	2.416	3.293	9.2	20.7
2 21	11 40.82	+11 35.2	2.352	3.293	6.2	20.5
3 2	11 33.89	+12 48.6	2.316	3.293	3.5	20.3
3 12	11 26.25	+13 58.5	2.310	3.292	3.2	20.3
3 22	11 18.62	+14 59.0	2.334	3.291	5.8	20.5
4 1	11 11.76	+15 45.8	2.386	3.289	8.8	20.7
4 11	11 6.29	+16 16.4	2.463	3.286	11.5	20.8
427363 2014 WR_{447}			3 11.4 58°.90	5°.3/16.2 18		
2 1	11 51.06	−11 47.3	1.769	2.496	18.2	20.7
2 11	11 47.94	−12 14.1	1.684	2.504	15.4	20.5
2 21	11 42.34	−12 18.1	1.618	2.512	12.0	20.3
3 2	11 34.78	−11 58.2	1.574	2.520	8.4	20.1
3 12	11 26.18	−11 16.4	1.555	2.529	5.7	19.9
3 22	11 17.61	−10 17.9	1.563	2.537	6.0	20.0
4 1	11 10.17	− 9 10.1	1.597	2.546	8.9	20.1
4 11	11 4.71	− 8 2.0	1.656	2.555	12.4	20.4
392488 2011 KN_{2}			3 11.4 220°.91	2°.5/ 9.2 18		
2 1	11 55.93	+ 6 27.5	1.749	2.540	16.1	22.0
2 11	11 51.94	+ 7 16.0	1.653	2.530	12.7	21.8
2 21	11 45.24	+ 8 18.3	1.579	2.520	8.7	21.5
3 2	11 36.30	+ 9 28.9	1.530	2.509	4.4	21.2
3 12	11 26.07	+10 39.2	1.509	2.498	2.9	21.1
3 22	11 15.73	+11 40.8	1.517	2.485	6.9	21.3
4 1	11 6.51	+12 26.8	1.551	2.472	11.4	21.5
4 11	10 59.41	+12 53.0	1.609	2.458	15.4	21.7

259553 2003 UO_{144} 3 11.4 61°.11 2°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.37	− 4 21.7	1.501	2.272	19.1	20.0
2 11	11 50.00	− 4 29.2	1.430	2.287	15.5	19.8
2 21	11 43.84	− 4 15.8	1.378	2.303	11.2	19.6
3 2	11 35.52	− 3 42.9	1.349	2.319	6.5	19.4
3 12	11 26.14	− 2 55.7	1.345	2.335	2.7	19.2
3 22	11 16.97	− 2 1.3	1.368	2.352	5.2	19.4
4 1	11 9.21	− 1 7.9	1.418	2.368	9.7	19.7
4 11	11 3.75	− 0 22.7	1.490	2.384	13.8	19.9

36921 2000 SB_{208} 3 11.4 280°.43 0°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.51	+ 2 15.5	1.591	2.383	17.3	19.5
2 11	11 49.67	+ 2 37.2	1.485	2.361	13.9	19.2
2 21	11 43.96	+ 3 16.5	1.399	2.339	9.7	18.9
3 2	11 35.81	+ 4 9.8	1.337	2.317	4.8	18.6
3 12	11 26.11	+ 5 10.7	1.302	2.295	0.9	18.2
3 22	11 16.10	+ 6 10.7	1.293	2.272	6.1	18.5
4 1	11 7.15	+ 7 1.5	1.310	2.250	11.4	18.7
4 11	11 0.42	+ 7 36.5	1.350	2.227	16.1	19.0

120808 1998 HL_{7} 3 11.4 345°.51 21°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 11.68	+46 21.4	1.081	1.876	23.6	18.6
2 11	12 7.46	+48 38.7	1.050	1.873	22.4	18.5
2 21	11 57.32	+50 25.5	1.034	1.870	21.9	18.5
3 2	11 42.47	+51 20.8	1.033	1.868	22.2	18.5
3 12	11 25.68	+51 10.4	1.048	1.866	23.3	18.6
3 22	11 10.18	+49 52.3	1.077	1.865	24.9	18.7
4 1	10 58.52	+47 35.3	1.119	1.864	26.7	18.8
4 11	10 51.86	+44 34.5	1.174	1.864	28.5	19.0

283413 2000 SS_{130} 3 11.4 186°.27 4°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.95	−15 22.2	3.160	3.826	12.0	21.6
2 11	11 44.35	−15 19.4	3.050	3.826	10.2	21.5
2 21	11 39.29	−15 0.3	2.960	3.825	8.2	21.3
3 2	11 33.10	−14 24.9	2.896	3.823	6.0	21.2
3 12	11 26.32	−13 34.5	2.860	3.822	4.3	21.1
3 22	11 19.51	−12 32.5	2.853	3.819	4.3	21.1
4 1	11 13.28	−11 23.1	2.877	3.816	5.9	21.2
4 11	11 8.13	−10 11.6	2.928	3.813	8.1	21.3

435372 2007 VU_{320} 3 11.4 75°.85 2°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.43	− 6 27.0	2.261	3.003	14.3	21.6
2 11	11 44.41	− 5 58.9	2.175	3.015	11.6	21.4
2 21	11 39.54	− 5 13.1	2.111	3.027	8.4	21.2
3 2	11 33.27	− 4 11.5	2.073	3.040	5.0	21.0
3 12	11 26.31	− 2 58.8	2.062	3.052	2.1	20.8
3 22	11 19.43	− 1 41.0	2.082	3.064	3.8	21.0
4 1	11 13.39	− 0 24.8	2.130	3.077	7.2	21.2
4 11	11 8.82	+ 0 44.0	2.204	3.089	10.3	21.4

204245 2004 DT_{54} 3 11.4 220°.04 0°.1/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.25	+ 1 26.0	2.278	3.049	13.4	21.0
2 11	11 45.89	+ 1 49.6	2.185	3.049	10.6	20.8
2 21	11 40.60	+ 2 25.6	2.114	3.048	7.3	20.6
3 2	11 33.83	+ 3 10.8	2.069	3.047	3.6	20.3
3 12	11 26.28	+ 4 0.6	2.053	3.047	0.3	20.1
3 22	11 18.73	+ 4 49.6	2.067	3.046	4.2	20.4
4 1	11 12.00	+ 5 32.8	2.108	3.045	7.9	20.6
4 11	11 6.76	+ 6 5.9	2.175	3.044	11.1	20.8

155748 2000 SV_{95} 3 11.4 80°.93 1°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.46	− 0 34.4	1.878	2.644	16.0	19.9
2 11	11 50.34	− 0 42.9	1.795	2.653	12.8	19.7
2 21	11 43.83	− 0 37.3	1.733	2.661	9.1	19.5
3 2	11 35.47	− 0 19.7	1.695	2.670	4.9	19.3
3 12	11 26.17	+ 0 6.0	1.686	2.679	1.2	19.0
3 22	11 16.97	+ 0 34.7	1.705	2.687	4.5	19.3
4 1	11 8.89	+ 1 1.3	1.752	2.696	8.6	19.6
4 11	11 2.74	+ 1 20.9	1.824	2.705	12.3	19.8

420528 2012 FG_{66} 3 11.4 135°.19 1°.5/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.60	+ 3 51.7	2.003	2.785	14.6	21.6
2 11	11 47.94	+ 4 45.1	1.922	2.794	11.4	21.4
2 21	11 42.09	+ 5 52.1	1.863	2.804	7.7	21.1
3 2	11 34.59	+ 7 7.2	1.832	2.812	3.7	20.9
3 12	11 26.24	+ 8 23.4	1.829	2.820	1.8	20.8
3 22	11 17.99	+ 9 33.3	1.856	2.828	5.4	21.0
4 1	11 10.75	+10 30.8	1.910	2.835	9.3	21.3
4 11	11 5.26	+11 12.0	1.989	2.842	12.7	21.5

64885 2001 YH_{73} 3 11.4 177°.10 2°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.96	+ 6 28.5	1.794	2.585	15.7	19.8
2 11	11 50.94	+ 7 13.9	1.709	2.587	12.3	19.6
2 21	11 44.37	+ 8 11.7	1.646	2.588	8.4	19.3
3 2	11 35.80	+ 9 16.2	1.609	2.589	4.2	19.1
3 12	11 26.16	+10 19.6	1.600	2.589	2.7	19.0
3 22	11 16.57	+11 14.3	1.620	2.589	6.5	19.2
4 1	11 8.14	+11 54.3	1.666	2.588	10.6	19.4
4 11	11 1.75	+12 16.1	1.736	2.587	14.3	19.7

405313 2003 UT_{81} 3 11.4 175°.77 1°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.91	+ 4 8.0	2.078	2.852	14.4	22.0
2 11	11 50.52	+ 4 42.4	1.987	2.855	11.3	21.8
2 21	11 43.88	+ 5 28.8	1.920	2.857	7.7	21.5
3 2	11 35.50	+ 6 23.0	1.879	2.858	3.7	21.3
3 12	11 26.19	+ 7 19.0	1.867	2.859	1.4	21.1
3 22	11 16.92	+ 8 10.5	1.885	2.859	5.2	21.4
4 1	11 8.64	+ 8 52.0	1.931	2.859	9.1	21.6
4 11	11 2.12	+ 9 19.9	2.002	2.857	12.6	21.8

308316 2005 LD_{53} 3 11.4 244°.49 2°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.10	− 6 51.0	2.946	3.662	11.8	21.5
2 11	11 46.21	− 6 54.1	2.824	3.646	9.8	21.3
2 21	11 40.68	− 6 44.3	2.725	3.629	7.3	21.1
3 2	11 33.87	− 6 22.2	2.652	3.611	4.6	20.9
3 12	11 26.30	− 5 49.8	2.609	3.593	2.5	20.7
3 22	11 18.62	− 5 10.1	2.595	3.575	3.5	20.8
4 1	11 11.48	− 4 27.1	2.612	3.556	6.2	20.9
4 11	11 5.48	− 3 45.2	2.656	3.536	9.0	21.1

310418 1999 UX_{28} 3 11.4 87°.79 1°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.65	+ 5 19.1	1.663	2.454	16.7	21.5
2 11	11 51.41	+ 5 55.0	1.598	2.475	13.1	21.3
2 21	11 44.58	+ 6 43.4	1.554	2.495	8.8	21.1
3 2	11 35.82	+ 7 38.7	1.535	2.515	4.3	20.9
3 12	11 26.18	+ 8 33.2	1.544	2.535	2.1	20.8
3 22	11 16.83	+ 9 19.7	1.581	2.555	6.1	21.1
4 1	11 8.85	+ 9 52.7	1.645	2.574	10.3	21.4
4 11	11 3.04	+10 9.3	1.732	2.593	13.9	21.7

389647 2011 MR_{4} 3 11.4 230°.57 2°.6/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.86	− 9 47.5	2.820	3.530	12.4	21.4
2 11	11 43.72	− 9 22.7	2.705	3.521	10.3	21.3
2 21	11 38.98	− 8 41.0	2.613	3.512	7.8	21.1
3 2	11 33.02	− 7 43.4	2.547	3.502	5.0	20.9
3 12	11 26.37	− 6 32.8	2.509	3.492	2.8	20.7
3 22	11 19.66	− 5 13.7	2.502	3.482	3.5	20.7
4 1	11 13.55	− 3 51.8	2.525	3.471	6.2	20.9
4 11	11 8.60	− 2 32.7	2.576	3.460	9.0	21.1

501026 2013 RA_{63} 3 11.4 148°.79 0°.0/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.79	− 0 6.4	2.023	2.795	14.8	22.2
2 11	11 46.56	+ 0 32.0	1.934	2.798	11.8	22.0
2 21	11 41.20	+ 1 26.3	1.867	2.801	8.1	21.8
3 2	11 34.18	+ 2 32.9	1.826	2.804	4.0	21.5
3 12	11 26.29	+ 3 45.7	1.813	2.807	0.3	21.2
3 22	11 18.43	+ 4 57.7	1.829	2.809	4.6	21.6
4 1	11 11.52	+ 6 2.2	1.874	2.811	8.6	21.8
4 11	11 6.28	+ 6 53.8	1.943	2.813	12.2	22.0

367597 2009 SP_{337} 3 11.4 184°.81 2°.8/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.41	− 9 30.2	2.714	3.419	13.0	22.3
2 11	11 47.29	− 9 17.2	2.607	3.419	10.8	22.1
2 21	11 41.43	− 8 47.9	2.522	3.418	8.1	21.9
3 2	11 34.22	− 8 2.8	2.463	3.417	5.3	21.8
3 12	11 26.29	− 7 4.9	2.433	3.415	3.0	21.6
3 22	11 18.33	− 5 58.3	2.434	3.412	3.8	21.6
4 1	11 11.06	− 4 48.4	2.465	3.409	6.5	21.8
4 11	11 5.08	− 3 40.9	2.524	3.404	9.4	22.0

21609 Williamcaleb 3 11.4 73°.36 1°.6/12.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.47	− 4 55.3	1.466	2.236	19.5	17.6
2 11	11 49.98	− 4 21.9	1.405	2.264	15.7	17.4
2 21	11 43.73	− 3 24.3	1.363	2.291	11.1	17.2
3 2	11 35.43	− 2 6.5	1.344	2.318	6.1	16.9
3 12	11 26.21	− 0 36.6	1.352	2.345	1.7	16.7
3 22	11 17.34	+ 0 55.3	1.388	2.371	5.1	17.0
4 1	11 9.96	+ 2 19.3	1.450	2.397	9.8	17.3
4 11	11 4.89	+ 3 27.9	1.535	2.423	13.9	17.6

337452 2001 RA_{88} 3 11.4 154°.92 1°.9/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.11	+ 8 59.8	2.685	3.462	11.4	21.2
2 11	11 48.51	+ 9 22.2	2.597	3.467	8.9	21.1
2 21	11 42.17	+ 9 50.2	2.534	3.472	6.0	20.9
3 2	11 34.55	+10 20.0	2.499	3.477	3.1	20.7
3 12	11 26.28	+10 47.4	2.494	3.482	2.1	20.6
3 22	11 18.09	+11 8.7	2.520	3.486	4.7	20.8
4 1	11 10.69	+11 20.9	2.574	3.490	7.7	21.0
4 11	11 4.64	+11 22.1	2.655	3.493	10.3	21.2

368976 2007 DT_{20} 3 11.4 357°.24 1°.1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.65	+ 1 40.2	1.527	2.315	18.1	19.9
2 11	11 51.20	+ 1 11.3	1.441	2.312	14.6	19.6
2 21	11 44.85	+ 0 55.3	1.375	2.311	10.3	19.4
3 2	11 36.15	+ 0 50.5	1.332	2.309	5.4	19.1
3 12	11 26.16	+ 0 53.4	1.316	2.309	1.1	18.8
3 22	11 16.19	+ 0 59.3	1.326	2.309	5.4	19.1
4 1	11 7.53	+ 1 3.1	1.362	2.310	10.2	19.3
4 11	11 1.22	+ 1 0.1	1.421	2.312	14.6	19.6

196576 2003 QE_{40} 3 11.4 178°.33 0°.2/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.76	+ 1 22.4	2.644	3.403	12.0	21.1
2 11	11 46.76	+ 1 53.4	2.547	3.404	9.5	20.9
2 21	11 41.05	+ 2 35.4	2.474	3.406	6.5	20.7
3 2	11 34.03	+ 3 25.7	2.428	3.406	3.2	20.5
3 12	11 26.32	+ 4 19.7	2.413	3.407	0.4	20.3
3 22	11 18.62	+ 5 12.7	2.428	3.406	3.8	20.5
4 1	11 11.64	+ 6 0.2	2.473	3.405	7.1	20.7
4 11	11 5.97	+ 6 38.4	2.544	3.404	10.0	20.9

44625 1999 RS_{63} 3 11.4 213°.88 0°.4/11.9 18

2 1	11 48.58	− 0 10.0	2.927	3.679	11.1	20.6
2 11	11 44.93	+ 0 11.0	2.821	3.673	8.9	20.4
2 21	11 39.74	+ 0 42.5	2.739	3.667	6.2	20.2
3 2	11 33.37	+ 1 22.4	2.685	3.660	3.2	20.0
3 12	11 26.37	+ 2 7.3	2.660	3.653	0.4	19.7
3 22	11 19.33	+ 2 53.2	2.666	3.646	3.3	20.0
4 1	11 12.89	+ 3 36.0	2.701	3.639	6.3	20.2
4 11	11 7.58	+ 4 12.2	2.764	3.631	9.1	20.3

6656 Yokota 3 11.4 17°.93 1°.0/10.4 18

2 1	11 48.53	+ 4 3.4	1.914	2.706	14.8	16.8
2 11	11 45.66	+ 4 27.5	1.833	2.711	11.6	16.6
2 21	11 40.61	+ 5 3.7	1.774	2.716	7.9	16.4
3 2	11 33.89	+ 5 47.8	1.741	2.722	3.8	16.1
3 12	11 26.34	+ 6 34.0	1.735	2.728	1.2	15.9
3 22	11 18.87	+ 7 16.2	1.758	2.735	5.1	16.2
4 1	11 12.40	+ 7 49.2	1.807	2.742	9.0	16.5
4 11	11 7.67	+ 8 9.2	1.880	2.750	12.5	16.7

64622 2001 XO_{31} 3 11.4 133°.58 0°.5/11.9 18

2 1	11 52.58	− 0 56.6	2.316	3.070	13.7	20.2
2 11	11 48.36	− 0 31.0	2.232	3.084	10.9	20.1
2 21	11 42.20	+ 0 8.2	2.170	3.097	7.6	19.9
3 2	11 34.61	+ 0 58.0	2.135	3.110	3.9	19.7
3 12	11 26.30	+ 1 53.8	2.129	3.122	0.5	19.4
3 22	11 18.09	+ 2 50.2	2.153	3.134	3.9	19.7
4 1	11 10.76	+ 3 41.7	2.207	3.145	7.5	19.9
4 11	11 4.98	+ 4 24.1	2.286	3.155	10.7	20.2

242810 2006 BG_{129} 3 11.4 284°.48 1°.4/10.2 16

2 1	11 50.52	+ 2 54.7	1.504	2.305	17.7	21.5
2 11	11 48.21	+ 3 36.0	1.405	2.288	14.1	21.2
2 21	11 43.01	+ 4 37.0	1.326	2.270	9.7	20.9
3 2	11 35.37	+ 5 53.0	1.270	2.252	4.7	20.6
3 12	11 26.23	+ 7 15.5	1.241	2.233	1.8	20.3
3 22	11 16.86	+ 8 34.3	1.238	2.215	6.8	20.6
4 1	11 8.62	+ 9 39.7	1.261	2.197	12.0	20.8
4 11	11 2.66	+10 24.7	1.305	2.179	16.7	21.1

14735 2000 DV_{86} 3 11.4 261°.09 2°.8/ 9.3 18

2 1	11 55.72	+ 7 31.9	1.576	2.377	17.1	17.7
2 11	11 52.20	+ 8 5.0	1.478	2.361	13.6	17.4
2 21	11 45.69	+ 8 51.2	1.401	2.345	9.3	17.1
3 2	11 36.68	+ 9 44.7	1.349	2.329	4.8	16.8
3 12	11 26.15	+10 37.3	1.323	2.312	3.1	16.6
3 22	11 15.43	+11 20.5	1.324	2.295	7.4	16.9
4 1	11 5.91	+11 47.5	1.351	2.277	12.3	17.1
4 11	10 58.74	+11 54.5	1.400	2.259	16.6	17.3

320843 2008 FY_{76} 3 11.4 164°.02 0°.1/11.3 18

2 1	11 55.19	+ 1 57.4	2.273	3.034	13.7	20.9
2 11	11 50.50	+ 2 14.3	2.182	3.040	10.9	20.7
2 21	11 43.75	+ 2 42.6	2.113	3.045	7.5	20.5
3 2	11 35.41	+ 3 19.3	2.072	3.050	3.7	20.3
3 12	11 26.26	+ 4 0.0	2.060	3.054	0.3	20.0
3 22	11 17.15	+ 4 39.7	2.079	3.057	4.3	20.3
4 1	11 8.95	+ 5 13.6	2.126	3.060	8.0	20.5
4 11	11 2.39	+ 5 38.0	2.199	3.062	11.3	20.7

285604 2000 QC_{168} 3 11.4 204°.41 2°.3/13.4 18

2 1	11 54.32	− 4 59.3	1.916	2.662	16.4	21.6
2 11	11 50.41	− 4 56.7	1.815	2.658	13.4	21.4
2 21	11 44.05	− 4 35.7	1.736	2.654	9.8	21.2
3 2	11 35.70	− 3 57.3	1.680	2.648	5.8	20.9
3 12	11 26.23	− 3 5.2	1.653	2.643	2.4	20.7
3 22	11 16.66	− 2 5.4	1.654	2.636	4.6	20.8
4 1	11 8.08	− 1 5.0	1.683	2.629	8.8	21.0
4 11	11 1.40	− 0 11.0	1.738	2.621	12.7	21.2

178190 2006 UQ_{198} 3 11.4 215°.29 0°.5/11.9 16

2 1	11 52.67	− 0 58.5	2.139	2.898	14.5	22.2
2 11	11 48.83	− 0 34.7	2.035	2.891	11.6	22.0
2 21	11 42.81	+ 0 4.5	1.954	2.883	8.2	21.7
3 2	11 35.04	+ 0 56.5	1.898	2.874	4.2	21.5
3 12	11 26.29	+ 1 56.5	1.871	2.865	0.5	21.2
3 22	11 17.44	+ 2 58.3	1.874	2.855	4.4	21.4
4 1	11 9.46	+ 3 55.7	1.906	2.845	8.4	21.7
4 11	11 3.13	+ 4 43.1	1.963	2.834	12.1	21.9

493775 2015 UN_{20} 3 11.4 49°.61 2°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.76	+ 6 15.2	1.209	2.027	20.2	21.6
2 11	11 51.76	+ 6 44.5	1.146	2.039	15.9	21.3
2 21	11 45.40	+ 7 29.1	1.103	2.051	10.8	21.0
3 2	11 36.43	+ 8 22.0	1.081	2.063	5.3	20.8
3 12	11 26.20	+ 9 13.2	1.085	2.076	2.8	20.7
3 22	11 16.28	+ 9 53.7	1.113	2.089	7.6	21.0
4 1	11 8.15	+10 16.5	1.165	2.102	12.8	21.3
4 11	11 2.82	+10 18.8	1.238	2.116	17.2	21.6

312859 2011 UL_{113} 3 11.4 154°.91 3°.7/ 7.9 18

2 1	11 56.29	+10 41.2	1.912	2.705	14.8	21.6
2 11	11 51.78	+11 37.8	1.834	2.713	11.5	21.4
2 21	11 44.83	+12 42.6	1.780	2.721	7.9	21.2
3 2	11 36.00	+13 48.8	1.752	2.727	4.6	21.0
3 12	11 26.25	+14 48.4	1.752	2.733	4.2	21.0
3 22	11 16.62	+15 34.7	1.782	2.739	7.2	21.2
4 1	11 8.16	+16 3.0	1.838	2.743	10.8	21.4
4 11	11 1.67	+16 11.8	1.918	2.747	14.1	21.6

1246 Chaka 3 11.4 200°.99 6°.0/18.4 18

2 1	11 54.20	−18 32.0	2.779	3.419	14.0	16.6
2 11	11 49.62	−19 6.2	2.664	3.414	12.2	16.4
2 21	11 43.15	−19 22.9	2.569	3.408	10.2	16.3
3 2	11 35.17	−19 20.1	2.498	3.401	8.0	16.1
3 12	11 26.30	−18 57.5	2.453	3.394	6.4	16.0
3 22	11 17.30	−18 17.2	2.438	3.385	6.1	16.0
4 1	11 8.96	−17 23.3	2.451	3.376	7.5	16.0
4 11	11 1.99	−16 21.6	2.491	3.367	9.7	16.2

90542 2004 FG_{94} 3 11.4 166°.00 7°.5/ 1.6 18

2 1	11 56.49	+30 15.0	2.698	3.483	11.2	19.1
2 11	11 51.32	+31 15.7	2.634	3.486	9.4	18.9
2 21	11 44.17	+32 9.8	2.594	3.488	8.1	18.8
3 2	11 35.56	+32 50.4	2.581	3.490	7.5	18.8
3 12	11 26.28	+33 12.2	2.595	3.492	8.1	18.9
3 22	11 17.19	+33 12.0	2.635	3.493	9.6	19.0
4 1	11 9.10	+32 49.6	2.700	3.495	11.3	19.1
4 11	11 2.66	+32 6.7	2.787	3.496	13.0	19.2

166556 2002 RC_{94} 3 11.4 76°.80 2°.9/ 8.6 18

2 1	11 53.97	+11 0.6	2.139	2.931	13.4	19.5
2 11	11 49.66	+11 25.4	2.058	2.936	10.5	19.3
2 21	11 43.22	+11 55.7	2.001	2.942	7.2	19.1
3 2	11 35.16	+12 26.6	1.970	2.947	4.0	18.9
3 12	11 26.31	+12 52.5	1.968	2.952	3.2	18.8
3 22	11 17.58	+13 8.8	1.995	2.958	6.0	19.0
4 1	11 9.86	+13 12.4	2.049	2.963	9.4	19.2
4 11	11 3.87	+13 1.8	2.127	2.968	12.5	19.4

240574 2004 TT_{51} 3 11.4 145°.31 0°.0/11.4 18

2 1	11 56.16	+ 0 38.1	1.973	2.736	15.4	21.6
2 11	11 51.55	+ 1 3.3	1.889	2.748	12.2	21.4
2 21	11 44.61	+ 1 43.0	1.828	2.759	8.5	21.2
3 2	11 35.89	+ 2 33.9	1.792	2.770	4.2	21.0
3 12	11 26.26	+ 3 30.1	1.786	2.779	0.3	20.6
3 22	11 16.75	+ 4 25.4	1.809	2.788	4.7	21.0
4 1	11 8.33	+ 5 13.5	1.860	2.796	8.8	21.3
4 11	11 1.80	+ 5 50.0	1.937	2.804	12.4	21.5

377376 2004 RT_{202} 3 11.4 187°.88 0°.6/10.7 17

2 1	11 49.13	+ 0 45.4	2.159	2.931	14.0	21.8
2 11	11 45.95	+ 1 39.9	2.065	2.931	11.0	21.6
2 21	11 40.76	+ 2 50.1	1.994	2.930	7.6	21.4
3 2	11 33.99	+ 4 11.7	1.950	2.929	3.7	21.1
3 12	11 26.39	+ 5 38.4	1.935	2.928	0.8	20.9
3 22	11 18.78	+ 7 2.6	1.950	2.926	4.7	21.2
4 1	11 12.02	+ 8 17.6	1.993	2.925	8.6	21.4
4 11	11 6.82	+ 9 18.2	2.061	2.922	12.0	21.6

99793 2002 KO_{4} 3 11.4 322°.72 0°.0/11.4 18

2 1	11 48.79	+ 0 32.0	1.381	2.184	18.9	20.1
2 11	11 47.00	+ 0 49.3	1.290	2.172	15.2	19.8
2 21	11 42.25	+ 1 27.2	1.218	2.160	10.7	19.5
3 2	11 35.01	+ 2 22.4	1.169	2.149	5.4	19.1
3 12	11 26.31	+ 3 27.8	1.145	2.138	0.3	18.7
3 22	11 17.47	+ 4 34.1	1.146	2.128	6.1	19.1
4 1	11 9.89	+ 5 31.6	1.171	2.119	11.6	19.4
4 11	11 4.71	+ 6 13.0	1.218	2.110	16.4	19.6

39242 2000 YQ_{75} 3 11.4 102°.15 5°.6/ 5.5 18

2 1	11 52.77	+16 37.5	2.000	2.807	13.7	18.6
2 11	11 48.90	+17 49.6	1.934	2.818	10.8	18.5
2 21	11 42.78	+19 4.8	1.891	2.828	7.8	18.3
3 2	11 34.96	+20 15.1	1.874	2.838	5.7	18.2
3 12	11 26.33	+21 12.6	1.886	2.848	6.2	18.2
3 22	11 17.88	+21 51.3	1.925	2.858	8.6	18.4
4 1	11 10.55	+22 8.2	1.990	2.868	11.5	18.6
4 11	11 5.06	+22 3.3	2.077	2.877	14.2	18.8

82962 2001 QH_{130} 3 11.4 182°.16 1°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.86	− 5 29.4	2.079	2.827	15.2	19.8
2 11	11 46.63	− 4 53.7	1.982	2.827	12.4	19.6
2 21	11 41.29	− 3 58.1	1.907	2.827	8.9	19.4
3 2	11 34.28	− 2 45.0	1.857	2.827	5.0	19.1
3 12	11 26.37	− 1 19.6	1.835	2.827	1.7	18.9
3 22	11 18.45	+ 0 10.8	1.843	2.826	4.1	19.1
4 1	11 11.43	+ 1 38.4	1.880	2.824	8.1	19.3
4 11	11 6.04	+ 2 56.1	1.942	2.823	11.7	19.5

109148 2001 QL_{58} 3 11.4 138°.89 2°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.32	+ 8 57.1	2.187	2.972	13.4	20.5
2 11	11 49.86	+ 9 43.7	2.109	2.984	10.4	20.4
2 21	11 43.32	+10 38.2	2.055	2.995	7.1	20.2
3 2	11 35.20	+11 35.2	2.028	3.006	3.8	20.0
3 12	11 26.33	+12 28.3	2.030	3.016	3.0	19.9
3 22	11 17.59	+13 11.9	2.063	3.025	5.9	20.1
4 1	11 9.84	+13 41.8	2.123	3.034	9.3	20.4
4 11	11 3.78	+13 56.0	2.207	3.042	12.3	20.6

466829 2015 BV_{203} 3 11.4 164°.91 0°.5/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.62	− 0 51.5	2.218	2.980	14.0	21.8
2 11	11 47.03	− 0 25.0	2.126	2.982	11.2	21.6
2 21	11 41.45	+ 0 16.0	2.055	2.985	7.8	21.4
3 2	11 34.32	+ 1 8.6	2.011	2.987	4.0	21.2
3 12	11 26.38	+ 2 7.9	1.996	2.989	0.5	20.9
3 22	11 18.47	+ 3 8.2	2.010	2.991	4.1	21.2
4 1	11 11.41	+ 4 3.5	2.053	2.992	7.9	21.4
4 11	11 5.90	+ 4 49.1	2.121	2.994	11.2	21.6

469806 2005 SX_{78} 3 11.4 217°.26 0°.5/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.25	+ 2 40.8	2.922	3.685	10.9	22.4
2 11	11 44.70	+ 3 13.1	2.817	3.678	8.6	22.3
2 21	11 39.61	+ 3 55.0	2.737	3.671	5.9	22.1
3 2	11 33.35	+ 4 43.6	2.685	3.664	2.8	21.9
3 12	11 26.45	+ 5 35.1	2.663	3.656	0.6	21.7
3 22	11 19.53	+ 6 25.0	2.672	3.648	3.7	21.9
4 1	11 13.19	+ 7 9.3	2.710	3.640	6.7	22.1
4 11	11 8.00	+ 7 44.8	2.775	3.631	9.4	22.2

382789 2003 SV_{350} 3 11.4 140°.89 1°.2/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.74	− 3 27.0	2.592	3.332	12.7	23.3
2 11	11 46.75	− 3 5.4	2.502	3.343	10.2	23.2
2 21	11 41.05	− 2 30.3	2.434	3.354	7.3	23.0
3 2	11 34.06	− 1 43.7	2.393	3.364	4.0	22.8
3 12	11 26.43	− 0 49.4	2.382	3.374	1.2	22.6
3 22	11 18.85	+ 0 7.7	2.402	3.383	3.4	22.8
4 1	11 12.04	+ 1 2.7	2.451	3.392	6.7	23.0
4 11	11 6.56	+ 1 51.2	2.527	3.400	9.6	23.2

108864 2001 OS_{98} 3 11.4 232°.73 1°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.64	− 2 48.4	2.109	2.859	14.9	20.1
2 11	11 49.69	− 2 49.1	2.002	2.849	12.2	19.9
2 21	11 43.47	− 2 34.9	1.917	2.839	8.8	19.7
3 2	11 35.43	− 2 6.9	1.857	2.828	5.0	19.4
3 12	11 26.33	− 1 28.8	1.825	2.817	1.7	19.2
3 22	11 17.10	− 0 45.2	1.823	2.805	4.3	19.3
4 1	11 8.73	− 0 1.9	1.849	2.792	8.3	19.5
4 11	11 2.06	+ 0 35.5	1.900	2.780	12.0	19.7

274691 2008 UA_{50} 3 11.4 244°.04 1°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.64	− 2 35.2	2.168	2.925	14.4	21.6
2 11	11 46.42	− 2 16.6	2.066	2.919	11.6	21.4
2 21	11 41.14	− 1 42.1	1.986	2.912	8.3	21.2
3 2	11 34.24	− 0 53.9	1.932	2.905	4.5	20.9
3 12	11 26.43	+ 0 3.7	1.906	2.898	1.1	20.7
3 22	11 18.57	+ 1 4.9	1.909	2.891	4.1	20.9
4 1	11 11.52	+ 2 3.6	1.940	2.884	8.0	21.1
4 11	11 6.03	+ 2 54.0	1.997	2.877	11.5	21.3

459124 2012 BQ_{147} 3 11.4 54°.17 4°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.03	+ 9 34.6	1.474	2.292	17.2	21.5
2 11	11 48.30	+10 48.8	1.408	2.302	13.4	21.2
2 21	11 42.78	+12 15.3	1.364	2.311	9.1	21.0
3 2	11 35.11	+13 44.8	1.344	2.322	5.3	20.8
3 12	11 26.38	+15 6.3	1.350	2.332	5.0	20.8
3 22	11 17.85	+16 10.4	1.383	2.342	8.6	21.0
4 1	11 10.72	+16 51.0	1.440	2.353	12.7	21.3
4 11	11 5.88	+17 6.1	1.518	2.364	16.3	21.6

234993 2003 BY_{41} 3 11.4 32°.54 3°.0/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.33	+ 7 18.6	2.296	3.092	12.5	19.9
2 11	11 43.66	+ 8 53.7	2.210	3.092	9.7	19.7
2 21	11 39.14	+10 40.7	2.148	3.093	6.5	19.5
3 2	11 33.20	+12 33.0	2.115	3.093	3.6	19.3
3 12	11 26.50	+14 22.3	2.113	3.094	3.5	19.3
3 22	11 19.81	+16 0.9	2.139	3.094	6.4	19.5
4 1	11 13.89	+17 22.5	2.194	3.095	9.5	19.7
4 11	11 9.40	+18 23.5	2.274	3.095	12.4	19.9

372686 2009 WL_{171} 3 11.4 186°.84 0°.3/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.83	+ 2 17.2	2.241	3.008	13.7	21.8
2 11	11 48.77	+ 2 38.0	2.146	3.008	10.8	21.6
2 21	11 42.66	+ 3 10.5	2.073	3.007	7.5	21.4
3 2	11 34.95	+ 3 51.6	2.028	3.006	3.7	21.2
3 12	11 26.40	+ 4 36.6	2.011	3.005	0.5	20.9
3 22	11 17.84	+ 5 20.2	2.025	3.003	4.4	21.2
4 1	11 10.16	+ 5 57.5	2.066	3.001	8.2	21.4
4 11	11 4.06	+ 6 24.5	2.134	2.998	11.5	21.6

239892 2000 RE_{65} 3 11.4 178°.96 0°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.41	+ 1 17.1	3.010	3.766	10.8	21.3
2 11	11 44.74	+ 1 50.7	2.911	3.767	8.5	21.2
2 21	11 39.59	+ 2 34.2	2.837	3.768	5.8	21.0
3 2	11 33.34	+ 3 25.0	2.791	3.769	2.9	20.8
3 12	11 26.51	+ 4 19.1	2.775	3.769	0.3	20.6
3 22	11 19.68	+ 5 12.5	2.790	3.768	3.4	20.8
4 1	11 13.46	+ 6 0.9	2.835	3.767	6.3	21.0
4 11	11 8.34	+ 6 41.1	2.907	3.766	9.0	21.2

298754 2004 HA_{42} 3 11.4 30°.62 2°.3/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.15	− 6 50.5	2.240	2.981	14.4	21.0
2 11	11 44.34	− 6 34.6	2.145	2.983	11.8	20.8
2 21	11 39.63	− 6 0.9	2.072	2.986	8.7	20.7
3 2	11 33.45	− 5 10.8	2.023	2.988	5.3	20.4
3 12	11 26.50	− 4 8.2	2.003	2.991	2.5	20.3
3 22	11 19.56	− 2 58.6	2.011	2.994	3.9	20.4
4 1	11 13.42	− 1 48.4	2.048	2.997	7.3	20.6
4 11	11 8.75	− 0 43.8	2.111	3.000	10.5	20.8

27070 1998 SA_{101} 3 11.4 300°.39 1°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.43	+ 1 6.9	1.328	2.126	19.8	17.9
2 11	11 51.94	+ 0 47.0	1.224	2.102	16.2	17.6
2 21	11 46.06	+ 0 43.1	1.139	2.078	11.6	17.3
3 2	11 37.15	+ 0 54.2	1.076	2.054	6.2	16.9
3 12	11 26.24	+ 1 15.9	1.037	2.030	1.1	16.5
3 22	11 14.82	+ 1 41.7	1.023	2.007	6.4	16.8
4 1	11 4.63	+ 2 4.1	1.033	1.984	12.4	17.0
4 11	10 57.14	+ 2 15.9	1.065	1.961	17.8	17.2

132486 2002 JR_{26} 3 11.4 292°.51 1°.0/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.23	+ 1 43.2	1.544	2.342	17.5	20.0
2 11	11 47.15	+ 2 24.6	1.441	2.322	14.0	19.7
2 21	11 42.30	+ 3 26.8	1.359	2.301	9.7	19.4
3 2	11 35.08	+ 4 45.6	1.300	2.281	4.7	19.1
3 12	11 26.40	+ 6 12.9	1.267	2.260	1.3	18.8
3 22	11 17.45	+ 7 38.6	1.261	2.240	6.4	19.0
4 1	11 9.56	+ 8 52.6	1.281	2.220	11.7	19.3
4 11	11 3.86	+ 9 47.3	1.322	2.200	16.3	19.5

108695 2001 OH_{12} 3 11.4 122°.74 1°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.47	+ 4 54.1	2.553	3.331	11.9	20.5
2 11	11 45.02	+ 5 50.7	2.471	3.342	9.3	20.3
2 21	11 39.90	+ 6 57.4	2.413	3.352	6.2	20.1
3 2	11 33.52	+ 8 9.5	2.383	3.362	3.0	19.9
3 12	11 26.53	+ 9 21.5	2.383	3.372	1.8	19.8
3 22	11 19.60	+10 27.8	2.413	3.382	4.6	20.1
4 1	11 13.43	+11 23.6	2.472	3.392	7.7	20.3
4 11	11 8.57	+12 5.8	2.557	3.401	10.5	20.5

67845 2000 WM_{5} 3 11.4 193°.78 0°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.02	− 0 29.0	2.004	2.762	15.4	20.6
2 11	11 51.61	− 0 20.5	1.906	2.760	12.4	20.3
2 21	11 44.81	+ 0 2.5	1.830	2.758	8.7	20.1
3 2	11 36.11	+ 0 37.7	1.779	2.755	4.6	19.8
3 12	11 26.36	+ 1 20.7	1.758	2.751	0.8	19.6
3 22	11 16.56	+ 2 5.9	1.765	2.746	4.5	19.8
4 1	11 7.75	+ 2 47.3	1.801	2.741	8.8	20.1
4 11	11 0.78	+ 3 19.8	1.862	2.735	12.5	20.3

328987 2010 WS_{29} 3 11.4 86°.26 5°.8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.15	+15 30.1	1.766	2.576	15.1	20.9
2 11	11 50.22	+16 48.9	1.708	2.594	11.8	20.7
2 21	11 43.79	+18 11.9	1.672	2.612	8.4	20.6
3 2	11 35.52	+19 29.9	1.663	2.630	6.0	20.5
3 12	11 26.41	+20 33.8	1.682	2.647	6.4	20.5
3 22	11 17.57	+21 17.0	1.727	2.665	9.0	20.7
4 1	11 10.05	+21 36.3	1.798	2.682	12.2	20.9
4 11	11 4.60	+21 32.1	1.890	2.698	15.1	21.2

196557 2003 QU_{12} 3 11.4 162°.86 2°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.59	+ 8 46.8	2.234	3.023	13.0	20.4
2 11	11 47.78	+ 9 32.9	2.149	3.026	10.2	20.2
2 21	11 41.96	+10 27.3	2.087	3.029	6.9	20.0
3 2	11 34.61	+11 24.9	2.053	3.031	3.7	19.8
3 12	11 26.46	+12 19.3	2.048	3.033	2.9	19.8
3 22	11 18.37	+13 4.8	2.072	3.035	5.8	20.0
4 1	11 11.18	+13 37.2	2.124	3.037	9.2	20.2
4 11	11 5.56	+13 54.0	2.200	3.038	12.2	20.4

350318 2012 UY_{61} 3 11.4 146°.11 0°.0/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.60	+ 1 5.5	2.909	3.664	11.1	22.6
2 11	11 45.68	+ 1 32.4	2.819	3.673	8.8	22.5
2 21	11 40.23	+ 2 9.2	2.752	3.682	6.0	22.3
3 2	11 33.66	+ 2 53.2	2.713	3.691	3.0	22.1
3 12	11 26.52	+ 3 40.7	2.705	3.699	0.2	21.9
3 22	11 19.44	+ 4 27.5	2.727	3.706	3.4	22.2
4 1	11 13.01	+ 5 9.7	2.780	3.713	6.4	22.4
4 11	11 7.75	+ 5 44.1	2.859	3.720	9.0	22.5

188289 2003 BM_{65} 3 11.4 51°.76 0°.6/10.9 18

2 1	11 50.97	+ 1 35.9	1.531	2.326	17.7	20.2
2 11	11 48.04	+ 2 11.3	1.465	2.343	14.0	20.0
2 21	11 42.48	+ 3 4.1	1.419	2.360	9.5	19.8
3 2	11 34.93	+ 4 9.1	1.398	2.378	4.6	19.5
3 12	11 26.44	+ 5 18.2	1.402	2.396	0.9	19.3
3 22	11 18.18	+ 6 22.8	1.434	2.414	5.6	19.7
4 1	11 11.27	+ 7 15.6	1.492	2.432	10.2	20.0
4 11	11 6.52	+ 7 51.7	1.573	2.451	14.1	20.2

298810 2004 RJ_{47} 3 11.4 151°.69 0°.4/11.7 18

2 1	11 57.72	+ 0 57.1	1.779	2.548	16.6	21.3
2 11	11 53.13	+ 1 2.5	1.694	2.555	13.3	21.1
2 21	11 45.93	+ 1 22.4	1.629	2.561	9.3	20.8
3 2	11 36.67	+ 1 53.9	1.590	2.567	4.7	20.6
3 12	11 26.33	+ 2 31.9	1.579	2.573	0.4	20.2
3 22	11 16.07	+ 3 10.3	1.597	2.578	5.0	20.6
4 1	11 7.03	+ 3 43.1	1.642	2.582	9.5	20.9
4 11	11 0.10	+ 4 5.7	1.712	2.586	13.4	21.1

468675 2009 DB_{3} 3 11.4 105°.49 3°.1/ 7.6 17

2 1	11 49.18	+ 9 37.6	2.295	3.090	12.5	21.6
2 11	11 45.81	+10 44.0	2.219	3.100	9.7	21.4
2 21	11 40.55	+11 58.4	2.167	3.109	6.6	21.2
3 2	11 33.88	+13 14.8	2.142	3.119	3.8	21.1
3 12	11 26.52	+14 26.3	2.148	3.128	3.5	21.1
3 22	11 19.25	+15 27.0	2.182	3.138	6.2	21.3
4 1	11 12.85	+16 12.4	2.243	3.147	9.2	21.5
4 11	11 7.93	+16 40.3	2.329	3.156	12.0	21.7

285570 2000 OK_{32} 3 11.4 147°.59 1°.5/12.9 18

2 1	11 54.97	− 4 1.7	2.085	2.828	15.3	21.4
2 11	11 50.54	− 3 39.5	1.997	2.840	12.4	21.2
2 21	11 43.91	− 3 0.1	1.931	2.852	8.8	21.0
3 2	11 35.59	− 2 5.7	1.892	2.862	4.9	20.8
3 12	11 26.42	− 1 1.2	1.880	2.872	1.5	20.6
3 22	11 17.31	+ 0 7.1	1.899	2.881	4.2	20.8
4 1	11 9.22	+ 1 12.4	1.947	2.889	8.1	21.0
4 11	11 2.89	+ 2 9.0	2.021	2.896	11.6	21.2

385140 2013 SX_{86} 3 11.4 234°.40 6°.3/18.2 17

2 1	11 50.35	−17 17.8	2.200	2.877	16.4	20.8
2 11	11 47.16	−17 36.9	2.089	2.868	14.2	20.6
2 21	11 41.78	−17 33.6	1.997	2.858	11.7	20.4
3 2	11 34.64	−17 5.6	1.927	2.848	8.9	20.2
3 12	11 26.47	−16 13.4	1.882	2.838	6.7	20.0
3 22	11 18.14	−15 0.7	1.865	2.828	6.4	20.0
4 1	11 10.62	−13 33.9	1.876	2.817	8.4	20.1
4 11	11 4.73	−12 1.7	1.912	2.805	11.3	20.2

3204 Lindgren 3 11.4 91°.82 0°.7/10.5 18

2 1	11 50.88	+ 3 24.1	2.577	3.345	12.1	17.6
2 11	11 46.76	+ 3 58.7	2.506	3.369	9.4	17.5
2 21	11 40.99	+ 4 42.6	2.459	3.394	6.4	17.3
3 2	11 34.02	+ 5 32.4	2.439	3.418	3.0	17.1
3 12	11 26.52	+ 6 23.2	2.449	3.442	0.9	17.0
3 22	11 19.17	+ 7 10.5	2.490	3.465	4.0	17.2
4 1	11 12.65	+ 7 50.2	2.559	3.488	7.1	17.5
4 11	11 7.48	+ 8 19.4	2.655	3.510	9.8	17.7

63986 2001 SE_{106} 3 11.4 127°.23 0°.8/12.0 18

2 1	11 58.20	− 0 2.2	1.693	2.461	17.4	19.8
2 11	11 53.59	− 0 1.5	1.613	2.473	13.9	19.6
2 21	11 46.27	+ 0 14.8	1.554	2.484	9.8	19.4
3 2	11 36.84	+ 0 44.1	1.520	2.495	5.1	19.1
3 12	11 26.34	+ 1 21.3	1.513	2.506	0.8	18.8
3 22	11 15.98	+ 2 0.2	1.534	2.516	5.0	19.2
4 1	11 6.95	+ 2 34.4	1.583	2.525	9.6	19.4
4 11	11 0.13	+ 2 59.0	1.657	2.534	13.6	19.7

118201 1995 FQ_{19} 3 11.4 204°.22 2°.0/ 9.5 17

2 1	11 55.92	+ 8 2.3	2.256	3.034	13.3	20.3
2 11	11 51.23	+ 8 26.5	2.160	3.030	10.4	20.1
2 21	11 44.38	+ 8 58.4	2.087	3.025	7.1	19.9
3 2	11 35.85	+ 9 33.9	2.041	3.020	3.6	19.7
3 12	11 26.41	+10 7.7	2.025	3.014	2.2	19.6
3 22	11 16.96	+10 34.8	2.038	3.007	5.4	19.8
4 1	11 8.42	+10 51.2	2.080	3.000	9.0	20.0
4 11	11 1.54	+10 54.7	2.148	2.992	12.2	20.2

120907 1998 SW_{40} 3 11.4 263°.33 0°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.75	+ 0 15.3	2.837	3.592	11.4	20.6
2 11	11 45.25	+ 0 34.5	2.719	3.573	9.1	20.4
2 21	11 40.12	+ 1 4.5	2.625	3.554	6.4	20.2
3 2	11 33.70	+ 1 43.3	2.558	3.534	3.3	20.0
3 12	11 26.54	+ 2 27.4	2.520	3.514	0.3	19.7
3 22	11 19.27	+ 3 12.8	2.513	3.494	3.5	20.0
4 1	11 12.56	+ 3 55.2	2.536	3.473	6.7	20.1
4 11	11 7.01	+ 4 30.7	2.585	3.452	9.6	20.3

55095 2001 QZ_{129} 3 11.4 205°.88 1°.9/13.8 18

2 1	11 49.58	− 5 33.4	2.712	3.442	12.4	20.3
2 11	11 45.91	− 5 23.9	2.606	3.438	10.2	20.1
2 21	11 40.56	− 5 0.5	2.521	3.433	7.4	19.9
3 2	11 33.91	− 4 24.4	2.463	3.428	4.5	19.7
3 12	11 26.53	− 3 38.5	2.434	3.423	2.0	19.5
3 22	11 19.12	− 2 46.8	2.435	3.417	3.4	19.6
4 1	11 12.35	− 1 54.2	2.466	3.411	6.5	19.8
4 11	11 6.83	− 1 5.2	2.524	3.404	9.4	20.0

70154 1999 NX_{34} 3 11.4 292°.29 1°.1/12.2 17

2 1	11 51.02	− 1 23.4	1.537	2.322	18.2	19.8
2 11	11 48.65	− 1 16.1	1.431	2.300	14.8	19.5
2 21	11 43.41	− 0 48.9	1.345	2.279	10.6	19.2
3 2	11 35.70	− 0 3.2	1.281	2.258	5.7	18.9
3 12	11 26.42	+ 0 55.7	1.243	2.236	1.1	18.5
3 22	11 16.81	+ 2 0.1	1.232	2.215	5.6	18.7
4 1	11 8.25	+ 3 0.9	1.246	2.194	10.9	19.0
4 11	11 1.94	+ 3 50.0	1.282	2.173	15.8	19.2

277697 2006 CH_{41} 3 11.4 294°.27 2°.6/13.6 17

2 1	11 52.43	− 4 7.6	1.972	2.724	15.8	21.2
2 11	11 48.93	− 4 27.6	1.868	2.714	13.0	21.0
2 21	11 43.08	− 4 32.5	1.785	2.704	9.6	20.7
3 2	11 35.32	− 4 22.5	1.727	2.694	5.8	20.5
3 12	11 26.45	− 4 0.2	1.696	2.684	2.7	20.3
3 22	11 17.45	− 3 29.7	1.693	2.675	4.6	20.4
4 1	11 9.35	− 2 56.4	1.717	2.665	8.5	20.6
4 11	11 3.04	− 2 26.2	1.767	2.656	12.3	20.8

236712 2007 FO_{7} 3 11.4 243°.41 0°.5/11.7 18

2 1	11 56.23	+ 0 50.4	1.576	2.357	18.0	21.1
2 11	11 52.58	+ 0 52.9	1.479	2.347	14.5	20.8
2 21	11 45.97	+ 1 11.8	1.402	2.337	10.2	20.5
3 2	11 36.89	+ 1 44.6	1.349	2.327	5.3	20.2
3 12	11 26.35	+ 2 26.1	1.323	2.316	0.5	19.8
3 22	11 15.64	+ 3 9.2	1.323	2.305	5.6	20.2
4 1	11 6.13	+ 3 46.6	1.350	2.294	10.8	20.4
4 11	10 58.96	+ 4 12.4	1.400	2.282	15.3	20.7

49157 1998 SQ_{54} 3 11.4 250°.47 1°.2/12.5 18

2 1	11 52.21	− 2 27.6	1.948	2.709	15.7	19.8
2 11	11 48.84	− 2 12.6	1.840	2.694	12.7	19.5
2 21	11 43.08	− 1 40.1	1.752	2.679	9.1	19.3
3 2	11 35.36	− 0 52.0	1.690	2.664	5.0	19.0
3 12	11 26.47	+ 0 7.2	1.655	2.648	1.2	18.7
3 22	11 17.39	+ 1 11.3	1.649	2.631	4.6	18.9
4 1	11 9.20	+ 2 12.9	1.671	2.615	9.0	19.1
4 11	11 2.80	+ 3 5.4	1.717	2.598	13.0	19.3

77305 2001 FR_{78} 3 11.4 53°.82 4°.3/ 7.7 18

2 1	11 52.14	+10 9.8	1.507	2.322	17.0	19.4
2 11	11 49.17	+11 13.3	1.438	2.330	13.3	19.2
2 21	11 43.40	+12 27.8	1.391	2.338	9.1	19.0
3 2	11 35.47	+13 44.7	1.369	2.346	5.2	18.8
3 12	11 26.47	+14 53.8	1.373	2.354	4.9	18.8
3 22	11 17.65	+15 46.5	1.403	2.363	8.4	19.0
4 1	11 10.23	+16 17.1	1.458	2.372	12.5	19.2
4 11	11 5.08	+16 23.9	1.534	2.381	16.1	19.5

135120 2001 QP_{130} 3 11.4 121°.67 4°.0/15.6 17

2 1	11 51.60	− 9 50.5	2.382	3.094	14.4	20.0
2 11	11 47.74	−10 14.3	2.285	3.098	12.1	19.8
2 21	11 41.95	−10 22.0	2.209	3.102	9.3	19.6
3 2	11 34.65	−10 13.3	2.158	3.106	6.4	19.4
3 12	11 26.53	− 9 49.8	2.134	3.110	4.2	19.3
3 22	11 18.39	− 9 14.7	2.139	3.114	4.6	19.3
4 1	11 11.06	− 8 32.9	2.173	3.118	7.2	19.5
4 11	11 5.21	− 7 50.0	2.233	3.121	10.1	19.7

387324 2012 VT_{74} 3 11.4 243°.89 4°.6/ 5.4 17

2 1	11 48.93	+15 43.5	2.465	3.268	11.6	20.8
2 11	11 45.63	+16 55.3	2.379	3.262	9.1	20.7
2 21	11 40.48	+18 11.2	2.318	3.256	6.6	20.5
3 2	11 33.91	+19 25.1	2.285	3.250	4.8	20.4
3 12	11 26.57	+20 30.0	2.281	3.244	5.2	20.4
3 22	11 19.24	+21 20.5	2.306	3.238	7.4	20.5
4 1	11 12.68	+21 52.9	2.356	3.231	10.0	20.7
4 11	11 7.55	+22 5.9	2.430	3.225	12.5	20.8

205748 2002 CT_{18} 3 11.4 123°.53 3°.7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 58.83	+11 1.0	1.897	2.687	15.0	20.4
2 11	11 53.68	+11 53.1	1.830	2.706	11.7	20.2
2 21	11 46.07	+12 52.3	1.785	2.725	8.0	20.0
3 2	11 36.66	+13 51.7	1.768	2.743	4.6	19.8
3 12	11 26.41	+14 43.5	1.779	2.760	4.1	19.8
3 22	11 16.43	+15 21.7	1.820	2.777	7.1	20.0
4 1	11 7.73	+15 42.4	1.887	2.792	10.6	20.3
4 11	11 1.08	+15 44.6	1.978	2.807	13.7	20.5

471170 2010 JE_{45} 3 11.4 282°.32 1°.6/13.4 17

2 1	11 46.34	− 6 5.4	2.305	3.050	14.0	22.0
2 11	11 43.78	− 5 28.6	2.194	3.036	11.4	21.8
2 21	11 39.34	− 4 32.6	2.104	3.023	8.3	21.6
3 2	11 33.40	− 3 19.4	2.040	3.009	4.8	21.4
3 12	11 26.60	− 1 53.4	2.005	2.995	1.7	21.1
3 22	11 19.71	− 0 21.0	1.999	2.982	3.8	21.2
4 1	11 13.51	+ 1 10.5	2.022	2.968	7.5	21.4
4 11	11 8.72	+ 2 34.0	2.071	2.954	11.0	21.6

46856 1998 QK_{45} 3 11.4 221°.28 2°.0/13.5 18

2 1	11 52.06	− 5 26.0	2.116	2.857	15.2	19.9
2 11	11 48.47	− 5 10.8	2.009	2.849	12.4	19.7
2 21	11 42.67	− 4 37.3	1.923	2.840	9.1	19.5
3 2	11 35.10	− 3 46.9	1.862	2.830	5.3	19.2
3 12	11 26.50	− 2 43.4	1.830	2.820	2.1	19.0
3 22	11 17.78	− 1 32.7	1.826	2.809	4.2	19.1
4 1	11 9.91	− 0 21.9	1.852	2.797	8.2	19.3
4 11	11 3.68	+ 0 42.3	1.903	2.785	11.9	19.5

81857 2000 KV_{64} 3 11.4 252°.12 0°.5/10.9 17

2 1	11 51.54	+ 1 38.1	2.106	2.878	14.3	20.3
2 11	11 48.12	+ 2 13.3	1.995	2.860	11.4	20.1
2 21	11 42.48	+ 3 3.5	1.907	2.843	7.9	19.8
3 2	11 35.03	+ 4 5.2	1.846	2.825	3.9	19.5
3 12	11 26.51	+ 5 12.8	1.813	2.806	0.7	19.3
3 22	11 17.81	+ 6 19.6	1.809	2.787	4.9	19.5
4 1	11 9.92	+ 7 18.9	1.833	2.767	9.1	19.7
4 11	11 3.67	+ 8 5.3	1.882	2.747	12.8	19.9

209513 2004 RV_{30} 3 11.4 236°.61 5°.5/13.8 18

2 1	12 5.80	− 4 37.3	1.354	2.109	21.6	20.6
2 11	12 0.96	− 6 0.2	1.258	2.102	18.1	20.3
2 21	11 52.32	− 7 9.1	1.180	2.094	13.8	20.1
3 2	11 40.32	− 8 0.4	1.124	2.085	9.1	19.8
3 12	11 26.17	− 8 32.4	1.094	2.076	5.7	19.5
3 22	11 11.62	− 8 46.1	1.090	2.067	7.5	19.6
4 1	10 58.58	− 8 46.3	1.112	2.058	12.3	19.8
4 11	10 48.59	− 8 40.8	1.157	2.048	17.2	20.1

173864 2001 TA_{206} 3 11.4 99°.48 7°.0/ 2.1 18

2 1	11 52.13	+25 6.1	2.478	3.279	11.6	20.0
2 11	11 48.04	+26 32.5	2.426	3.295	9.5	19.8
2 21	11 42.03	+27 55.2	2.398	3.312	7.7	19.8
3 2	11 34.61	+29 6.8	2.398	3.328	7.0	19.7
3 12	11 26.55	+30 0.7	2.426	3.344	7.7	19.8
3 22	11 18.68	+30 33.0	2.480	3.359	9.3	19.9
4 1	11 11.77	+30 42.3	2.559	3.375	11.3	20.1
4 11	11 6.44	+30 29.9	2.659	3.390	13.1	20.2

452366 2001 XL_4 3 11.4 46°.01 20°.4/21.9 16

2 1	12 4.17	+46 54.7	1.177	1.972	22.0	20.4
2 11	12 0.56	+49 34.3	1.177	1.993	20.9	20.4
2 21	11 51.93	+51 37.2	1.194	2.016	20.4	20.4
3 2	11 39.68	+52 48.1	1.227	2.039	20.7	20.5
3 12	11 26.26	+52 59.2	1.276	2.063	21.5	20.6
3 22	11 14.20	+52 12.7	1.339	2.087	22.7	20.8
4 1	11 5.39	+50 37.3	1.415	2.112	23.9	21.0
4 11	11 0.64	+48 25.4	1.503	2.137	25.0	21.2

286281 2001 VR_{103} 3 11.4 155°.01 2°.2/13.5 18

2 1	11 55.57	− 5 16.0	1.917	2.659	16.5	21.8
2 11	11 51.30	− 5 7.3	1.828	2.668	13.4	21.6
2 21	11 44.61	− 4 39.8	1.759	2.676	9.8	21.4
3 2	11 36.04	− 3 54.9	1.715	2.683	5.7	21.2
3 12	11 26.46	− 2 57.1	1.700	2.689	2.3	21.0
3 22	11 16.93	− 1 52.7	1.713	2.695	4.5	21.1
4 1	11 8.49	− 0 48.8	1.755	2.700	8.5	21.4
4 11	11 1.96	+ 0 7.7	1.822	2.704	12.3	21.6

64968 2002 AW_2 3 11.4 124°.71 12°.8/27.1 18

2 1	12 5.58	+37 54.3	1.845	2.624	15.7	17.8
2 11	11 59.64	+39 49.3	1.812	2.641	14.1	17.7
2 21	11 50.45	+41 28.3	1.801	2.657	13.0	17.7
3 2	11 38.87	+42 39.1	1.813	2.673	12.9	17.7
3 12	11 26.31	+43 13.3	1.849	2.688	13.7	17.8
3 22	11 14.31	+43 8.3	1.906	2.702	15.2	17.9
4 1	11 4.24	+42 26.6	1.983	2.715	16.8	18.1
4 11	10 56.99	+41 14.9	2.076	2.728	18.4	18.2

128885 2004 SY_{57} 3 11.4 159°.03 0°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.23	+ 2 21.6	2.416	3.179	12.9	20.9
2 11	11 48.89	+ 2 41.5	2.325	3.185	10.2	20.7
2 21	11 42.65	+ 3 12.0	2.258	3.190	7.0	20.5
3 2	11 34.97	+ 3 50.3	2.217	3.195	3.5	20.3
3 12	11 26.54	+ 4 31.8	2.206	3.200	0.4	20.0
3 22	11 18.16	+ 5 11.8	2.226	3.204	4.1	20.3
4 1	11 10.61	+ 5 46.0	2.274	3.207	7.6	20.6
4 11	11 4.54	+ 6 10.9	2.349	3.210	10.7	20.8

506634 2006 QT_2 3 11.4 220°.91 0°.3/11.8 17

2 1	11 50.40	+ 0 15.3	2.861	3.612	11.4	22.9
2 11	11 46.47	+ 0 33.9	2.751	3.603	9.1	22.7
2 21	11 40.92	+ 1 3.0	2.665	3.593	6.3	22.5
3 2	11 34.11	+ 1 40.4	2.606	3.582	3.3	22.3
3 12	11 26.60	+ 2 22.8	2.578	3.571	0.3	22.0
3 22	11 19.02	+ 3 6.2	2.580	3.560	3.4	22.2
4 1	11 12.05	+ 3 46.3	2.612	3.548	6.6	22.4
4 11	11 6.26	+ 4 19.7	2.671	3.536	9.4	22.6

247976 2004 BF_{102} 3 11.4 45°.59 0°.2/11.2 18

2 1	11 46.20	− 1 27.2	2.106	2.878	14.3	20.3
2 11	11 43.71	− 0 24.4	2.019	2.883	11.3	20.1
2 21	11 39.27	+ 0 56.2	1.955	2.889	7.8	19.9
3 2	11 33.34	+ 2 30.2	1.917	2.895	3.8	19.7
3 12	11 26.65	+ 4 10.7	1.908	2.901	0.4	19.4
3 22	11 20.00	+ 5 49.6	1.928	2.908	4.5	19.7
4 1	11 14.20	+ 7 19.4	1.977	2.914	8.3	20.0
4 11	11 9.93	+ 8 34.1	2.052	2.921	11.7	20.2

50973 2000 GZ_{90} 3 11.4 224°.22 5°.0/ 5.4 18

2 1	11 51.26	+17 0.5	2.369	3.170	12.0	19.2
2 11	11 47.53	+18 4.6	2.285	3.166	9.5	19.0
2 21	11 41.83	+19 11.6	2.225	3.161	6.9	18.9
3 2	11 34.60	+20 15.1	2.193	3.156	5.2	18.7
3 12	11 26.58	+21 8.2	2.190	3.151	5.5	18.7
3 22	11 18.58	+21 45.7	2.215	3.146	7.7	18.9
4 1	11 11.44	+22 4.4	2.266	3.140	10.4	19.0
4 11	11 5.84	+22 3.6	2.340	3.134	13.0	19.2

378712 2008 PO_{20} 3 11.4 244°.78 6°.5/ 4.7 17

2 1	11 56.91	+21 19.4	2.211	3.008	12.9	20.7
2 11	11 52.24	+22 17.3	2.121	2.995	10.4	20.5
2 21	11 45.22	+23 15.1	2.055	2.981	8.0	20.3
3 2	11 36.35	+24 5.4	2.016	2.967	6.5	20.2
3 12	11 26.47	+24 40.6	2.005	2.953	7.0	20.2
3 22	11 16.59	+24 55.6	2.022	2.938	9.2	20.3
4 1	11 7.73	+24 47.9	2.064	2.923	11.9	20.4
4 11	11 0.69	+24 18.2	2.129	2.908	14.6	20.6

427945 2005 WP_{140} 3 11.4 54°.73 5°.5/16.4 18

2 1	11 53.23	−11 45.2	1.687	2.414	19.0	21.0
2 11	11 49.66	−12 17.7	1.618	2.438	15.9	20.8
2 21	11 43.55	−12 26.8	1.568	2.462	12.4	20.7
3 2	11 35.50	−12 11.5	1.540	2.486	8.7	20.5
3 12	11 26.53	−11 34.3	1.537	2.510	5.8	20.4
3 22	11 17.77	−10 40.7	1.561	2.534	6.1	20.5
4 1	11 10.30	− 9 38.5	1.611	2.559	8.9	20.7
4 11	11 4.92	− 8 36.3	1.685	2.584	12.2	20.9

213871 2003 SE_{179} 3 11.4 86°.37 2°.6/ 9.2 18

2 1	11 54.79	+ 6 28.6	1.614	2.412	16.8	20.5
2 11	11 50.92	+ 7 18.9	1.549	2.431	13.1	20.3
2 21	11 44.41	+ 8 21.8	1.506	2.450	8.8	20.1
3 2	11 35.92	+ 9 30.4	1.489	2.469	4.4	19.9
3 12	11 26.52	+10 36.1	1.498	2.487	2.9	19.9
3 22	11 17.38	+11 30.9	1.536	2.505	6.7	20.1
4 1	11 9.63	+12 9.0	1.599	2.523	10.9	20.4
4 11	11 4.06	+12 27.8	1.685	2.541	14.5	20.7

172023 2001 UV_{211} 3 11.4 204°.87 2°.4/14.3 18

2 1	11 48.18	− 7 8.2	2.441	3.173	13.6	20.6
2 11	11 45.04	− 6 57.4	2.340	3.172	11.2	20.4
2 21	11 40.09	− 6 30.1	2.261	3.170	8.3	20.3
3 2	11 33.74	− 5 47.7	2.207	3.169	5.1	20.1
3 12	11 26.65	− 4 53.1	2.181	3.168	2.6	19.9
3 22	11 19.52	− 3 51.2	2.185	3.167	3.7	20.0
4 1	11 13.13	− 2 47.6	2.218	3.165	6.9	20.1
4 11	11 8.10	− 1 48.0	2.277	3.164	10.0	20.3

459622 2013 HR_{139} 3 11.4 104°.54 0°.8/12.2 18

2 1	11 55.95	− 1 33.6	1.786	2.549	16.8	22.1
2 11	11 51.58	− 1 13.5	1.714	2.570	13.4	21.9
2 21	11 44.74	− 0 36.3	1.662	2.591	9.4	21.7
3 2	11 36.06	+ 0 14.8	1.636	2.611	4.9	21.5
3 12	11 26.51	+ 1 13.7	1.638	2.631	0.8	21.2
3 22	11 17.18	+ 2 13.6	1.668	2.650	4.7	21.5
4 1	11 9.10	+ 3 7.5	1.727	2.669	8.9	21.8
4 11	11 3.04	+ 3 50.0	1.810	2.687	12.6	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
444618 2006 VR_{61}			3 11.4 182°.93		0°.9/12.1 18	
	h m	° ′			°	m
2 1	11 56.37	− 1 37.2	1.648	2.416	17.8	22.9
2 11	11 52.44	− 1 18.8	1.558	2.417	14.4	22.7
2 21	11 45.71	− 0 41.0	1.488	2.418	10.2	22.4
3 2	11 36.72	+ 0 13.4	1.442	2.418	5.3	22.2
3 12	11 26.47	+ 1 18.4	1.423	2.417	0.9	21.8
3 22	11 16.18	+ 2 26.1	1.433	2.415	5.2	22.1
4 1	11 7.13	+ 3 28.0	1.469	2.412	10.1	22.4
4 11	11 0.30	+ 4 17.4	1.530	2.409	14.4	22.6
287850 2003 SR_{242}			3 11.4 273°.88		1°.2/10.5 17	
2 1	11 53.78	+ 3 48.2	1.701	2.490	16.5	21.2
2 11	11 50.56	+ 4 12.7	1.593	2.468	13.2	20.9
2 21	11 44.59	+ 4 52.3	1.506	2.446	9.2	20.6
3 2	11 36.27	+ 5 43.4	1.444	2.424	4.5	20.3
3 12	11 26.50	+ 6 39.3	1.409	2.402	1.4	20.0
3 22	11 16.43	+ 7 32.2	1.401	2.379	6.1	20.3
4 1	11 7.36	+ 8 14.7	1.420	2.355	11.1	20.5
4 11	11 0.39	+ 8 41.4	1.462	2.332	15.5	20.7
362151 2009 DD_{121}			3 11.4 283°.94		0°.3/11.7 16	
2 1	11 49.30	− 1 28.1	1.600	2.384	17.6	21.5
2 11	11 47.06	− 0 53.2	1.501	2.371	14.2	21.3
2 21	11 42.16	+ 0 3.7	1.422	2.358	10.0	21.0
3 2	11 35.03	+ 1 19.6	1.366	2.345	5.1	20.7
3 12	11 26.58	+ 2 47.5	1.338	2.331	0.4	20.3
3 22	11 17.96	+ 4 17.8	1.336	2.318	5.5	20.6
4 1	11 10.40	+ 5 40.5	1.361	2.305	10.6	20.9
4 11	11 4.95	+ 6 47.3	1.408	2.292	15.1	21.1
393521 2002 TN_{94}			3 11.4 177°.11		0°.0/11.4 18	
2 1	11 55.03	− 0 22.7	1.728	2.499	17.0	22.4
2 11	11 51.21	+ 0 12.8	1.639	2.502	13.6	22.1
2 21	11 44.77	+ 1 7.1	1.570	2.504	9.4	21.9
3 2	11 36.22	+ 2 16.4	1.527	2.505	4.7	21.6
3 12	11 26.53	+ 3 33.6	1.512	2.505	0.3	21.3
3 22	11 16.83	+ 4 50.3	1.525	2.505	5.3	21.6
4 1	11 8.30	+ 5 58.3	1.565	2.504	10.0	21.9
4 11	11 1.86	+ 6 51.3	1.630	2.502	14.1	22.2
306208 2011 QK_{17}			3 11.4 137°.40		0°.8/12.2 18	
2 1	11 57.07	− 1 10.2	1.885	2.643	16.2	22.6
2 11	11 52.45	− 0 56.4	1.803	2.656	13.0	22.4
2 21	11 45.37	− 0 26.7	1.742	2.669	9.1	22.1
3 2	11 36.43	+ 0 16.2	1.707	2.681	4.8	21.9
3 12	11 26.53	+ 1 7.0	1.700	2.693	0.9	21.6
3 22	11 16.76	+ 1 59.5	1.722	2.703	4.6	21.9
4 1	11 8.15	+ 2 47.2	1.773	2.713	8.8	22.2
4 11	11 1.51	+ 3 24.9	1.848	2.722	12.5	22.5
144116 2004 BB_{77}			3 11.4 149°.32		2°.6/ 8.8 18	
2 1	11 52.72	+ 6 39.4	1.937	2.727	14.7	20.7
2 11	11 49.02	+ 7 39.1	1.856	2.734	11.5	20.5
2 21	11 43.03	+ 8 50.9	1.798	2.740	7.8	20.3
3 2	11 35.27	+10 8.6	1.766	2.746	4.0	20.1
3 12	11 26.60	+11 24.2	1.764	2.751	2.9	20.0
3 22	11 18.01	+12 30.3	1.790	2.756	6.3	20.3
4 1	11 10.48	+13 20.9	1.843	2.761	10.1	20.5
4 11	11 4.77	+13 52.8	1.921	2.765	13.5	20.7
370817 2004 TL_{314}			3 11.4 111°.47		1°.8/13.3 16	
2 1	11 51.13	− 4 12.5	2.055	2.807	15.2	22.0
2 11	11 47.65	− 4 3.3	1.967	2.814	12.4	21.9
2 21	11 42.03	− 3 37.3	1.899	2.820	8.9	21.6
3 2	11 34.76	− 2 56.3	1.857	2.827	5.1	21.4
3 12	11 26.63	− 2 4.5	1.843	2.834	1.9	21.2
3 22	11 18.55	− 1 7.6	1.857	2.840	4.1	21.4
4 1	11 11.41	− 0 11.8	1.900	2.846	7.9	21.6
4 11	11 5.94	+ 0 37.1	1.968	2.852	11.4	21.8
18972 2000 QD_{190}			3 11.4 140°.46		1°.7/ 9.1 18	
2 1	11 50.76	+ 8 1.8	2.966	3.740	10.5	19.3
2 11	11 46.56	+ 8 36.2	2.882	3.751	8.2	19.1
2 21	11 40.86	+ 9 16.6	2.824	3.762	5.5	19.0
3 2	11 34.04	+ 9 59.4	2.793	3.772	2.8	18.8
3 12	11 26.69	+10 40.3	2.794	3.781	1.9	18.8
3 22	11 19.41	+11 15.6	2.825	3.791	4.3	18.9
4 1	11 12.81	+11 42.2	2.885	3.799	7.0	19.1
4 11	11 7.39	+11 58.1	2.971	3.808	9.4	19.3
428385 2007 RH_{294}			3 11.4 123°.36		0°.6/10.8 17	
2 1	11 51.79	+ 3 28.3	2.354	3.125	13.0	22.2
2 11	11 47.83	+ 3 47.6	2.267	3.132	10.2	22.0
2 21	11 41.96	+ 4 17.0	2.203	3.139	7.0	21.8
3 2	11 34.67	+ 4 53.3	2.166	3.145	3.4	21.6
3 12	11 26.66	+ 5 31.8	2.159	3.152	0.7	21.4
3 22	11 18.71	+ 6 8.0	2.181	3.158	4.2	21.7
4 1	11 11.60	+ 6 37.5	2.231	3.164	7.7	21.9
4 11	11 5.98	+ 6 57.2	2.308	3.170	10.8	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
400256 2007 RG_{24}			3 11.4 183°.78		2°.8/13.8 18	
	h m	° ′			°	m
2 1	11 56.27	− 5 26.4	1.909	2.649	16.6	21.5
2 11	11 52.00	− 5 38.7	1.812	2.650	13.7	21.3
2 21	11 45.23	− 5 33.6	1.736	2.650	10.1	21.1
3 2	11 36.45	− 5 11.4	1.685	2.650	6.1	20.8
3 12	11 26.55	− 4 35.2	1.661	2.649	3.0	20.6
3 22	11 16.59	− 3 50.0	1.666	2.647	4.7	20.7
4 1	11 7.67	− 3 2.2	1.699	2.645	8.7	21.0
4 11	11 0.70	− 2 18.5	1.757	2.642	12.5	21.2
307923 2004 ED_{30}			3 11.4 220°.23		0°.3/11.1 17	
2 1	11 51.40	+ 0 41.2	2.142	2.910	14.2	21.8
2 11	11 47.90	+ 1 22.2	2.039	2.902	11.3	21.6
2 21	11 42.27	+ 2 18.7	1.959	2.893	7.8	21.3
3 2	11 34.94	+ 3 27.0	1.906	2.884	3.9	21.1
3 12	11 26.64	+ 4 41.4	1.881	2.874	0.5	20.8
3 22	11 18.26	+ 5 55.0	1.886	2.864	4.7	21.1
4 1	11 10.71	+ 7 1.1	1.920	2.854	8.7	21.3
4 11	11 4.78	+ 7 54.2	1.978	2.843	12.3	21.5
456904 2007 VC_{222}			3 11.4 77°.62		0°.6/10.9 18	
2 1	11 59.99	+ 3 24.1	1.567	2.349	18.0	21.4
2 11	11 54.92	+ 3 36.5	1.509	2.378	14.1	21.2
2 21	11 47.08	+ 4 2.5	1.471	2.408	9.6	21.0
3 2	11 37.22	+ 4 37.5	1.457	2.436	4.7	20.8
3 12	11 26.52	+ 5 14.8	1.472	2.465	0.8	20.5
3 22	11 16.24	+ 5 48.0	1.514	2.493	5.5	20.9
4 1	11 7.53	+ 6 11.8	1.584	2.521	10.0	21.3
4 11	11 1.20	+ 6 22.7	1.677	2.548	13.8	21.5
313762 2003 WS_{115}			3 11.5 49°.88		3°.3/ 9.2 18	
2 1	11 56.54	+ 8 58.7	1.324	2.138	19.0	20.4
2 11	11 52.75	+ 9 30.0	1.271	2.161	14.8	20.2
2 21	11 45.86	+10 11.8	1.237	2.184	10.0	20.0
3 2	11 36.69	+10 56.5	1.227	2.207	5.2	19.8
3 12	11 26.55	+11 35.0	1.243	2.231	3.7	19.8
3 22	11 16.87	+12 0.2	1.285	2.255	7.6	20.1
4 1	11 8.93	+12 7.6	1.351	2.279	12.1	20.4
4 11	11 3.60	+11 56.2	1.438	2.304	16.0	20.7
108974 2001 PQ_{43}			3 11.5 212°.81		2°.9/ 8.2 18	
2 1	11 52.89	+11 38.4	2.538	3.324	11.7	20.0
2 11	11 48.63	+12 12.2	2.445	3.320	9.2	19.9
2 21	11 42.51	+12 51.0	2.376	3.315	6.3	19.7
3 2	11 34.96	+13 30.1	2.335	3.310	3.6	19.5
3 12	11 26.65	+14 4.7	2.323	3.304	3.2	19.4
3 22	11 18.36	+14 30.1	2.341	3.299	5.7	19.6
4 1	11 10.86	+14 43.3	2.387	3.293	8.6	19.8
4 11	11 4.79	+14 42.6	2.458	3.286	11.4	19.9
395847 2012 XA_{141}			3 11.5 185°.06		0°.4/11.1 18	
2 1	11 57.34	+ 1 52.3	1.672	2.449	17.2	21.9
2 11	11 53.17	+ 2 15.7	1.583	2.450	13.7	21.6
2 21	11 46.20	+ 2 55.3	1.514	2.450	9.5	21.4
3 2	11 36.99	+ 3 47.3	1.470	2.449	4.7	21.1
3 12	11 26.54	+ 4 44.9	1.454	2.447	0.6	20.8
3 22	11 16.07	+ 5 40.6	1.466	2.445	5.6	21.1
4 1	11 6.83	+ 6 26.9	1.505	2.442	10.4	21.4
4 11	10 59.82	+ 6 58.8	1.568	2.438	14.6	21.6
246277 2007 TG_{54}			3 11.5 152°.53		0°.1/11.3 17	
2 1	11 50.09	+ 1 20.0	2.648	3.408	12.0	21.7
2 11	11 46.29	+ 1 48.9	2.557	3.415	9.5	21.5
2 21	11 40.82	+ 2 28.7	2.489	3.421	6.5	21.3
3 2	11 34.09	+ 3 16.4	2.448	3.426	3.2	21.1
3 12	11 26.72	+ 4 7.8	2.438	3.431	0.3	20.9
3 22	11 19.38	+ 4 58.1	2.458	3.436	3.7	21.2
4 1	11 12.76	+ 5 43.1	2.507	3.441	6.9	21.4
4 11	11 7.43	+ 6 19.0	2.582	3.445	9.8	21.6
42288 2001 TC_{65}			3 11.5 203°.49		0°.7/10.7 17	
2 1	11 52.48	+ 2 34.4	2.329	3.096	13.2	20.5
2 11	11 48.52	+ 3 10.1	2.229	3.091	10.5	20.3
2 21	11 42.57	+ 3 58.3	2.152	3.086	7.2	20.0
3 2	11 35.05	+ 4 55.2	2.101	3.080	3.5	19.8
3 12	11 26.66	+ 5 55.6	2.081	3.074	0.9	19.6
3 22	11 18.23	+ 6 53.8	2.090	3.067	4.5	19.8
4 1	11 10.60	+ 7 44.2	2.129	3.059	8.2	20.0
4 11	11 4.47	+ 8 22.8	2.193	3.050	11.5	20.2
61476 2000 QJ_{37}			3 11.5 115°.25		0°.1/11.3 18	
2 1	11 50.91	+ 0 49.6	1.886	2.664	15.5	19.6
2 11	11 47.71	+ 1 19.1	1.799	2.666	12.3	19.3
2 21	11 42.21	+ 2 4.2	1.733	2.669	8.5	19.1
3 2	11 34.92	+ 3 1.2	1.692	2.671	4.2	18.9
3 12	11 26.68	+ 4 4.0	1.680	2.673	0.4	18.5
3 22	11 18.47	+ 5 5.7	1.696	2.676	4.8	18.9
4 1	11 11.28	+ 5 59.6	1.739	2.678	9.1	19.1
4 11	11 5.89	+ 6 40.5	1.806	2.680	12.8	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
125542 2001 WU_{91}			3 11.5	16°.50	18°.9/17.9 18	
	h m	° ′			°	m
2 1	12 6.05	+51 39.5	1.517	2.272	19.6	18.8
2 11	12 1.78	+53 42.7	1.501	2.277	19.0	18.7
2 21	11 52.77	+55 15.2	1.502	2.282	18.9	18.7
3 2	11 40.24	+56 3.7	1.519	2.288	19.3	18.8
3 12	11 26.39	+56 0.4	1.552	2.294	20.1	18.9
3 22	11 13.62	+55 5.2	1.599	2.302	21.2	19.0
4 1	11 3.86	+53 24.1	1.660	2.310	22.3	19.1
4 11	10 58.03	+51 7.2	1.733	2.319	23.4	19.2
200788 2001 XZ_{82}			3 11.5	80°.98	3°.0/ 8.9 18	
2 1	11 54.03	+ 6 3.1	1.445	2.251	18.1	20.0
2 11	11 50.66	+ 7 8.5	1.383	2.269	14.1	19.8
2 21	11 44.43	+ 8 29.0	1.342	2.288	9.5	19.6
3 2	11 36.03	+ 9 56.5	1.326	2.306	4.8	19.3
3 12	11 26.63	+11 20.2	1.336	2.324	3.4	19.3
3 22	11 17.51	+12 30.4	1.374	2.342	7.5	19.6
4 1	11 9.89	+13 20.1	1.436	2.360	11.9	19.9
4 11	11 4.64	+13 46.6	1.521	2.378	15.7	20.1
366970 2005 WX_{103}			3 11.5	129°.64	0°.3/11.2 18	
2 1	11 54.33	+ 2 1.5	2.302	3.064	13.5	21.9
2 11	11 49.80	+ 2 24.6	2.220	3.079	10.7	21.7
2 21	11 43.31	+ 2 59.0	2.161	3.093	7.3	21.6
3 2	11 35.35	+ 3 41.5	2.129	3.107	3.6	21.3
3 12	11 26.67	+ 4 27.3	2.127	3.121	0.4	21.1
3 22	11 18.10	+ 5 11.3	2.155	3.133	4.2	21.4
4 1	11 10.46	+ 5 48.8	2.212	3.146	7.7	21.7
4 11	11 4.40	+ 6 16.3	2.295	3.157	10.9	21.9
298787 2004 PO_{81}			3 11.5	237°.67	1°.2/10.4 17	
2 1	11 53.75	+ 2 43.8	1.755	2.538	16.3	22.0
2 11	11 50.36	+ 3 25.4	1.654	2.526	13.0	21.8
2 21	11 44.33	+ 4 24.1	1.574	2.513	8.9	21.5
3 2	11 36.12	+ 5 35.5	1.519	2.499	4.4	21.2
3 12	11 26.61	+ 6 52.1	1.493	2.485	1.4	20.9
3 22	11 16.94	+ 8 5.4	1.494	2.470	6.0	21.2
4 1	11 8.29	+ 9 7.2	1.523	2.455	10.7	21.4
4 11	11 1.67	+ 9 51.8	1.575	2.439	14.9	21.7
162575 2000 RY_{77}			3 11.5	245°.06	1°.1/12.4 18	
2 1	11 53.67	− 2 33.1	1.900	2.659	16.1	21.3
2 11	11 50.16	− 2 13.2	1.788	2.642	13.1	21.0
2 21	11 44.14	− 1 34.8	1.698	2.624	9.4	20.8
3 2	11 36.02	− 0 39.5	1.632	2.606	5.1	20.5
3 12	11 26.62	+ 0 27.7	1.594	2.587	1.1	20.1
3 22	11 16.98	+ 1 40.0	1.585	2.567	4.8	20.4
4 1	11 8.22	+ 2 49.4	1.603	2.546	9.4	20.6
4 11	11 1.33	+ 3 48.7	1.647	2.525	13.6	20.8
87127 2000 MM_4			3 11.5	169°.03	4°.0/ 7.0 18	
2 1	11 53.49	+12 46.6	2.252	3.045	12.8	19.6
2 11	11 49.33	+13 47.7	2.170	3.049	10.0	19.5
2 21	11 43.11	+14 54.8	2.113	3.052	7.0	19.3
3 2	11 35.30	+16 1.4	2.083	3.055	4.4	19.1
3 12	11 26.68	+17 0.6	2.083	3.057	4.4	19.1
3 22	11 18.13	+17 46.6	2.111	3.059	6.9	19.3
4 1	11 10.51	+18 15.6	2.167	3.060	10.0	19.5
4 11	11 4.52	+18 26.0	2.247	3.061	12.8	19.6
12619 Anubelshunu			3 11.5	12°.13	3°.1/14.1 18	R
2 1	11 49.21	− 6 44.6	1.506	2.274	19.2	18.0
2 11	11 47.04	− 6 43.1	1.421	2.275	15.8	17.8
2 21	11 42.13	− 6 17.3	1.355	2.276	11.7	17.6
3 2	11 35.02	− 5 28.0	1.311	2.278	7.1	17.3
3 12	11 26.70	− 4 20.0	1.292	2.280	3.3	17.1
3 22	11 18.37	− 3 1.3	1.299	2.283	5.2	17.2
4 1	11 11.26	− 1 41.9	1.332	2.286	9.8	17.5
4 11	11 6.36	− 0 31.0	1.388	2.289	14.1	17.7
453335 2008 YL_{37}			3 11.5	102°.93	2°.5/ 9.2 18	
2 1	11 56.72	+ 5 59.2	1.726	2.514	16.3	22.0
2 11	11 52.24	+ 6 59.5	1.663	2.539	12.7	21.8
2 21	11 45.22	+ 8 12.3	1.622	2.563	8.5	21.6
3 2	11 36.34	+ 9 30.7	1.608	2.587	4.3	21.4
3 12	11 26.63	+10 45.9	1.622	2.610	2.8	21.3
3 22	11 17.22	+11 49.9	1.664	2.632	6.5	21.6
4 1	11 9.15	+12 37.1	1.734	2.654	10.4	21.9
4 11	11 3.20	+13 4.8	1.827	2.675	13.9	22.1
456752 2007 TF_{73}			3 11.5	164°.03	1°.8/13.3 17	
2 1	11 52.80	− 5 11.2	1.925	2.673	16.2	22.5
2 11	11 49.18	− 4 47.7	1.833	2.678	13.2	22.3
2 21	11 43.23	− 4 4.3	1.762	2.682	9.6	22.1
3 2	11 35.45	− 3 3.1	1.716	2.686	5.4	21.9
3 12	11 26.68	− 1 49.1	1.698	2.689	1.9	21.6
3 22	11 17.93	− 0 29.5	1.709	2.691	4.4	21.8
4 1	11 10.18	+ 0 47.8	1.748	2.693	8.5	22.0
4 11	11 4.27	+ 1 55.7	1.812	2.695	12.3	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
105399 2000 QG_{144}			3 11.5	250°.23	1°.4/ 9.7 17	
	h m	° ′			°	m
2 1	11 50.38	+ 6 8.5	2.661	3.436	11.5	20.7
2 11	11 46.67	+ 6 40.3	2.552	3.421	9.1	20.5
2 21	11 41.21	+ 7 20.6	2.468	3.406	6.2	20.3
3 2	11 34.37	+ 8 6.1	2.411	3.391	3.1	20.1
3 12	11 26.75	+ 8 52.1	2.384	3.375	1.6	19.9
3 22	11 19.05	+ 9 33.9	2.388	3.358	4.5	20.1
4 1	11 11.99	+10 7.4	2.420	3.342	7.7	20.3
4 11	11 6.21	+10 29.6	2.477	3.325	10.7	20.5
426637 2013 SG_{68}			3 11.5	119°.07	1°.9/ 9.7 17	
2 1	11 53.74	+ 7 0.2	1.974	2.762	14.5	21.2
2 11	11 49.79	+ 7 26.4	1.890	2.766	11.4	21.0
2 21	11 43.56	+ 8 2.1	1.829	2.769	7.8	20.8
3 2	11 35.57	+ 8 42.7	1.793	2.773	3.9	20.5
3 12	11 26.68	+ 9 22.1	1.787	2.777	2.2	20.4
3 22	11 17.86	+ 9 54.8	1.808	2.780	5.6	20.7
4 1	11 10.09	+10 16.1	1.857	2.784	9.5	20.9
4 11	11 4.14	+10 23.3	1.931	2.787	12.9	21.1
27896 Tourminator			3 11.5	211°.02	2°.3/ 8.5 18	
2 1	11 48.67	+ 7 10.3	2.428	3.215	12.2	19.6
2 11	11 45.45	+ 8 12.2	2.335	3.211	9.5	19.4
2 21	11 40.41	+ 9 24.0	2.266	3.208	6.4	19.2
3 2	11 33.97	+10 40.9	2.225	3.204	3.4	19.0
3 12	11 26.78	+11 56.3	2.214	3.200	2.7	18.9
3 22	11 19.57	+13 4.1	2.232	3.195	5.5	19.1
4 1	11 13.10	+13 59.3	2.279	3.191	8.7	19.3
4 11	11 8.01	+14 38.6	2.350	3.186	11.6	19.5
1240 Centenaria			3 11.5	186°.24	2°.1/13.8 18	
2 1	11 52.92	− 5 0.2	2.642	3.369	12.8	15.6
2 11	11 48.60	− 5 6.5	2.538	3.368	10.5	15.4
2 21	11 42.49	− 4 59.9	2.457	3.368	7.7	15.2
3 2	11 34.98	− 4 41.4	2.403	3.366	4.7	15.0
3 12	11 26.72	− 4 13.3	2.377	3.365	2.2	14.9
3 22	11 18.42	− 3 39.0	2.382	3.363	3.6	15.0
4 1	11 10.83	− 3 2.9	2.417	3.360	6.6	15.1
4 11	11 4.58	− 2 29.3	2.478	3.357	9.6	15.3
286145 2001 TJ_{207}			3 11.5	92°.78	0°.4/11.9 18	
2 1	11 54.35	− 0 13.3	1.933	2.699	15.6	22.1
2 11	11 50.15	+ 0 6.6	1.861	2.720	12.4	22.0
2 21	11 43.70	+ 0 41.3	1.810	2.741	8.6	21.8
3 2	11 35.59	+ 1 27.5	1.785	2.762	4.4	21.6
3 12	11 26.69	+ 2 19.5	1.788	2.782	0.4	21.3
3 22	11 17.99	+ 3 11.3	1.821	2.802	4.4	21.6
4 1	11 10.41	+ 3 57.0	1.881	2.821	8.4	21.9
4 11	11 4.68	+ 4 32.0	1.966	2.840	11.9	22.2
243778 2000 SA_5			3 11.5	173°.48	6°.9/ 4.5 18	
2 1	11 52.28	+ 7 12.5	1.248	2.070	19.4	20.0
2 11	11 50.15	+10 16.1	1.176	2.073	15.1	19.8
2 21	11 44.68	+13 47.6	1.126	2.075	10.4	19.5
3 2	11 36.44	+17 29.7	1.103	2.077	7.1	19.3
3 12	11 26.63	+20 59.2	1.109	2.078	8.3	19.4
3 22	11 16.78	+23 55.4	1.141	2.078	12.7	19.6
4 1	11 8.48	+26 5.8	1.197	2.077	17.3	19.9
4 11	11 2.94	+27 27.8	1.272	2.076	21.2	20.1
221313 2005 VN_{26}			3 11.5	208°.13	1°.8/13.4 17	
2 1	11 52.78	− 4 43.2	2.493	3.225	13.4	22.0
2 11	11 48.67	− 4 31.2	2.384	3.219	10.9	21.8
2 21	11 42.65	− 4 4.4	2.296	3.211	7.9	21.6
3 2	11 35.12	− 3 24.0	2.235	3.203	4.6	21.4
3 12	11 26.73	− 2 33.5	2.204	3.194	1.8	21.2
3 22	11 18.25	− 1 37.3	2.202	3.184	3.7	21.3
4 1	11 10.48	− 0 40.8	2.231	3.174	7.1	21.5
4 11	11 4.13	+ 0 10.6	2.286	3.163	10.4	21.7
64402 2001 UL_{161}			3 11.5	295°.60	5°.6/ 6.9 18	
2 1	11 53.26	+12 34.1	1.423	2.245	17.5	18.8
2 11	11 50.54	+13 40.7	1.343	2.237	13.8	18.6
2 21	11 44.73	+14 58.0	1.284	2.230	9.7	18.3
3 2	11 36.40	+16 16.5	1.248	2.222	6.2	18.1
3 12	11 26.65	+17 24.8	1.238	2.215	6.3	18.1
3 22	11 16.89	+18 13.0	1.253	2.208	9.9	18.3
4 1	11 8.54	+18 35.0	1.292	2.201	14.2	18.5
4 11	11 2.70	+18 29.3	1.351	2.194	18.1	18.7
236984 Astier			3 11.5	231°.11	1°.6/12.7 18	
2 1	11 55.81	− 2 13.9	1.653	2.419	17.8	21.2
2 11	11 52.17	− 2 14.5	1.554	2.411	14.5	21.0
2 21	11 45.69	− 1 56.8	1.474	2.402	10.5	20.7
3 2	11 36.86	− 1 22.2	1.419	2.392	5.8	20.4
3 12	11 26.63	− 0 35.1	1.390	2.382	1.7	20.1
3 22	11 16.22	+ 0 17.7	1.389	2.372	5.2	20.3
4 1	11 6.94	+ 1 8.6	1.415	2.361	10.1	20.6
4 11	10 59.86	+ 1 50.5	1.464	2.349	14.5	20.8

136920 1998 HN_{145} 3 11.5 6°.85 7°.9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.88	+26 3.2	2.152	2.957	12.9	19.3
2 11	11 49.87	+27 10.4	2.086	2.957	10.7	19.1
2 21	11 43.57	+28 13.2	2.043	2.958	8.8	19.0
3 2	11 35.56	+29 3.6	2.026	2.959	7.9	18.9
3 12	11 26.71	+29 34.3	2.036	2.960	8.5	19.0
3 22	11 18.04	+29 41.2	2.071	2.961	10.4	19.1
4 1	11 10.49	+29 23.2	2.130	2.962	12.6	19.2
4 11	11 4.80	+28 42.1	2.210	2.964	14.8	19.4

522656 2016 GQ_{263} 3 11.5 208°.67 1°.1/12.8 17

2 1	11 49.37	− 4 18.1	2.520	3.261	13.0	22.2
2 11	11 45.96	− 3 39.7	2.413	3.255	10.5	22.0
2 21	11 40.76	− 2 45.1	2.329	3.249	7.5	21.8
3 2	11 34.17	− 1 36.5	2.271	3.242	4.2	21.6
3 12	11 26.79	− 0 18.5	2.243	3.235	1.1	21.4
3 22	11 19.36	+ 1 3.3	2.246	3.228	3.6	21.5
4 1	11 12.62	+ 2 22.6	2.278	3.220	7.1	21.7
4 11	11 7.21	+ 3 33.7	2.337	3.211	10.3	21.9

171927 2001 SW_{145} 3 11.5 117°.14 0°.7/12.3 18

2 1	11 51.38	− 0 43.3	2.607	3.356	12.4	20.9
2 11	11 47.30	− 0 31.0	2.520	3.370	9.9	20.8
2 21	11 41.51	− 0 7.5	2.457	3.383	6.9	20.6
3 2	11 34.46	+ 0 25.1	2.421	3.396	3.6	20.4
3 12	11 26.79	+ 1 3.1	2.415	3.408	0.7	20.2
3 22	11 19.19	+ 1 42.4	2.439	3.420	3.4	20.4
4 1	11 12.35	+ 2 18.8	2.492	3.432	6.7	20.7
4 11	11 6.86	+ 2 48.7	2.572	3.444	9.5	20.9

466815 2015 BE_{132} 3 11.5 223°.82 2°.8/ 8.5 17

2 1	11 50.78	+ 8 20.8	2.097	2.891	13.6	21.0
2 11	11 47.43	+ 9 12.6	2.008	2.888	10.6	20.8
2 21	11 41.94	+10 14.2	1.942	2.885	7.2	20.6
3 2	11 34.80	+11 20.1	1.903	2.881	3.9	20.4
3 12	11 26.76	+12 23.3	1.892	2.878	3.1	20.3
3 22	11 18.73	+13 17.4	1.910	2.874	6.2	20.5
4 1	11 11.61	+13 57.0	1.956	2.870	9.7	20.7
4 11	11 6.13	+14 19.5	2.025	2.866	13.0	20.9

450563 2006 FN_{36} 3 11.5 18°.92 17°.1/ 3.2 16

2 1	11 32.19	−36 30.9	0.910	1.595	34.2	19.4
2 11	11 35.40	−37 54.0	0.866	1.611	31.8	19.3
2 21	11 35.02	−38 16.7	0.828	1.629	28.9	19.1
3 2	11 31.72	−37 28.2	0.798	1.651	25.4	19.0
3 12	11 26.93	−35 24.2	0.780	1.675	21.8	18.8
3 22	11 22.38	−32 11.2	0.778	1.702	18.7	18.8
4 1	11 19.71	−28 8.1	0.795	1.731	17.1	18.8
4 11	11 19.94	−23 44.0	0.832	1.762	17.7	19.0

37992 1998 KP_{6} 3 11.5 260°.09 2°.5/14.1 18

2 1	11 49.24	− 6 44.5	2.068	2.811	15.4	18.9
2 11	11 46.34	− 6 32.4	1.964	2.803	12.7	18.7
2 21	11 41.29	− 6 1.0	1.881	2.795	9.4	18.4
3 2	11 34.53	− 5 11.3	1.822	2.787	5.7	18.2
3 12	11 26.78	− 4 7.2	1.791	2.779	2.7	18.0
3 22	11 18.94	− 2 54.4	1.788	2.771	4.3	18.1
4 1	11 11.94	− 1 40.2	1.813	2.762	8.0	18.3
4 11	11 6.56	− 0 31.8	1.864	2.754	11.7	18.5

69404 1995 SS_{30} 3 11.5 34°.91 0°.3/11.6 18

2 1	11 58.46	+ 3 42.5	1.255	2.058	20.5	19.0
2 11	11 54.62	+ 3 12.2	1.191	2.072	16.3	18.7
2 21	11 47.43	+ 2 55.3	1.146	2.086	11.3	18.5
3 2	11 37.64	+ 2 49.2	1.123	2.102	5.7	18.2
3 12	11 26.61	+ 2 48.8	1.125	2.118	0.4	17.9
3 22	11 15.91	+ 2 48.8	1.152	2.135	6.0	18.3
4 1	11 7.02	+ 2 44.1	1.205	2.153	11.2	18.7
4 11	11 0.95	+ 2 30.9	1.279	2.171	15.7	19.0

157001 2003 OU_{24} 3 11.5 233°.76 1°.4/ 9.9 17

2 1	11 49.97	+ 3 49.9	2.262	3.040	13.2	20.8
2 11	11 46.68	+ 4 39.5	2.161	3.031	10.4	20.5
2 21	11 41.39	+ 5 42.0	2.083	3.022	7.1	20.3
3 2	11 34.53	+ 6 53.1	2.032	3.012	3.4	20.1
3 12	11 26.78	+ 8 6.7	2.010	3.001	1.6	19.9
3 22	11 18.97	+ 9 16.1	2.018	2.991	5.0	20.1
4 1	11 11.92	+10 15.5	2.054	2.980	8.7	20.3
4 11	11 6.38	+11 0.5	2.115	2.969	12.0	20.5

217949 2001 UN_{5} 3 11.5 185°.69 2°.6/ 8.3 16

2 1	11 53.57	+ 9 25.3	2.660	3.437	11.5	21.7
2 11	11 49.08	+10 17.3	2.567	3.438	9.0	21.5
2 21	11 42.80	+11 16.4	2.499	3.437	6.1	21.3
3 2	11 35.15	+12 17.9	2.459	3.435	3.4	21.2
3 12	11 26.78	+13 16.2	2.450	3.433	2.9	21.1
3 22	11 18.40	+14 6.2	2.471	3.430	5.4	21.3
4 1	11 10.77	+14 43.9	2.522	3.426	8.3	21.5
4 11	11 4.50	+15 7.2	2.598	3.421	11.0	21.6

497825 2006 TC_{130} 3 11.5 142°.96 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.37	+ 3 37.9	3.158	3.921	10.2	22.5
2 11	11 44.66	+ 4 31.2	3.071	3.933	7.9	22.4
2 21	11 39.57	+ 5 33.2	3.009	3.944	5.3	22.2
3 2	11 33.47	+ 6 40.4	2.976	3.955	2.6	22.0
3 12	11 26.87	+ 7 48.5	2.974	3.966	1.1	21.9
3 22	11 20.32	+ 8 53.0	3.004	3.976	3.7	22.1
4 1	11 14.35	+ 9 49.9	3.064	3.985	6.3	22.3
4 11	11 9.44	+10 36.3	3.151	3.994	8.7	22.5

153399 2001 QC_{109} 3 11.5 154°.86 4°.5/ 6.1 18

2 1	11 51.86	+12 27.4	2.164	2.963	13.1	20.6
2 11	11 48.17	+13 58.4	2.088	2.970	10.2	20.4
2 21	11 42.39	+15 37.0	2.036	2.976	7.1	20.2
3 2	11 35.00	+17 15.4	2.012	2.982	4.8	20.1
3 12	11 26.78	+18 45.1	2.018	2.988	5.1	20.1
3 22	11 18.63	+19 59.0	2.053	2.992	7.7	20.3
4 1	11 11.42	+20 52.3	2.114	2.997	10.7	20.5
4 11	11 5.85	+21 23.3	2.199	3.001	13.4	20.7

464371 2016 AU_{172} 3 11.5 41°.93 5°.8/ 5.9 18

2 1	11 50.29	+11 57.7	1.504	2.326	16.7	20.1
2 11	11 47.89	+13 36.1	1.434	2.329	13.0	19.9
2 21	11 42.70	+15 26.2	1.386	2.332	9.1	19.7
3 2	11 35.31	+17 17.3	1.363	2.335	6.1	19.5
3 12	11 26.77	+18 56.7	1.366	2.339	6.6	19.5
3 22	11 18.32	+20 14.2	1.396	2.342	9.9	19.7
4 1	11 11.20	+21 3.3	1.449	2.346	13.8	19.9
4 11	11 6.34	+21 22.6	1.523	2.349	17.2	20.2

130598 2000 RH_{94} 3 11.5 258°.41 1°.6/10.3 18

2 1	11 57.70	+ 5 53.4	1.775	2.559	16.1	20.2
2 11	11 53.58	+ 6 9.7	1.667	2.540	12.9	19.9
2 21	11 46.67	+ 6 37.7	1.581	2.520	8.9	19.6
3 2	11 37.39	+ 7 13.4	1.519	2.499	4.4	19.3
3 12	11 26.65	+ 7 50.5	1.486	2.478	1.8	19.1
3 22	11 15.64	+ 8 22.6	1.481	2.456	6.2	19.3
4 1	11 5.65	+ 8 43.5	1.503	2.434	10.9	19.5
4 11	10 57.78	+ 8 49.6	1.549	2.411	15.2	19.7

495920 2005 VX_{15} 3 11.5 124°.58 4°.1/16.2 16

2 1	11 54.86	−12 4.9	2.505	3.193	14.3	22.9
2 11	11 50.13	−12 16.7	2.418	3.213	12.0	22.8
2 21	11 43.52	−12 11.1	2.352	3.233	9.3	22.6
3 2	11 35.49	−11 47.9	2.311	3.252	6.5	22.5
3 12	11 26.77	−11 9.3	2.299	3.270	4.4	22.4
3 22	11 18.13	−10 19.0	2.316	3.288	4.6	22.4
4 1	11 10.35	− 9 22.3	2.363	3.304	6.9	22.6
4 11	11 4.07	− 8 25.1	2.437	3.320	9.5	22.8

146879 2002 CS_{8} 3 11.5 349°.33 0°.7/10.6 18

2 1	11 47.31	+ 2 36.3	2.232	3.012	13.3	20.3
2 11	11 44.55	+ 3 13.1	2.140	3.010	10.5	20.1
2 21	11 39.89	+ 4 2.5	2.070	3.008	7.2	19.9
3 2	11 33.77	+ 5 0.6	2.027	3.007	3.5	19.7
3 12	11 26.86	+ 6 2.1	2.012	3.005	0.9	19.5
3 22	11 19.95	+ 7 1.1	2.027	3.004	4.5	19.7
4 1	11 13.84	+ 7 51.9	2.069	3.003	8.2	19.9
4 11	11 9.19	+ 8 30.4	2.136	3.002	11.4	20.1

407434 2010 TG_{162} 3 11.5 113°.49 2°.0/13.8 18

2 1	11 52.57	− 7 20.9	2.160	2.890	15.2	22.3
2 11	11 48.58	− 6 42.4	2.081	2.913	12.4	22.2
2 21	11 42.56	− 5 44.4	2.022	2.934	9.0	22.0
3 2	11 35.04	− 4 29.2	1.990	2.955	5.3	21.8
3 12	11 26.80	− 3 2.4	1.986	2.976	2.1	21.6
3 22	11 18.71	− 1 30.8	2.013	2.995	3.9	21.8
4 1	11 11.60	− 0 2.1	2.069	3.014	7.5	22.0
4 11	11 6.12	+ 1 17.3	2.152	3.032	10.8	22.3

100262 1994 TV_{10} 3 11.5 269°.40 3°.2/14.6 18

2 1	11 49.00	− 8 45.1	1.799	2.544	17.3	20.1
2 11	11 46.57	− 8 28.5	1.694	2.533	14.4	19.9
2 21	11 41.72	− 7 47.5	1.609	2.521	10.9	19.6
3 2	11 34.86	− 6 42.5	1.546	2.509	6.8	19.4
3 12	11 26.81	− 5 17.7	1.511	2.498	3.4	19.1
3 22	11 18.60	− 3 40.4	1.503	2.486	4.8	19.2
4 1	11 11.34	− 2 0.2	1.522	2.474	9.0	19.4
4 11	11 5.95	− 0 26.9	1.566	2.462	13.2	19.6

252022 2000 JQ_{9} 3 11.5 343°.07 5°.9/16.9 18

2 1	11 48.38	−13 18.6	1.649	2.380	19.2	20.2
2 11	11 46.29	−13 37.9	1.556	2.376	16.4	20.0
2 21	11 41.61	−13 30.9	1.480	2.373	13.0	19.8
3 2	11 34.82	−12 55.9	1.425	2.370	9.3	19.6
3 12	11 26.81	−11 54.5	1.394	2.368	6.3	19.4
3 22	11 18.71	−10 32.8	1.390	2.365	6.4	19.4
4 1	11 11.69	− 8 59.9	1.411	2.364	9.5	19.5
4 11	11 6.73	− 7 26.8	1.456	2.362	13.2	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
402876 2007 RN_{229}			3 11.5 128°.71		0°.4/11.1 18	
	h m	° ′			°	m
2 1	11 56.70	+ 1 52.8	1.926	2.694	15.6	22.4
2 11	11 52.09	+ 2 19.3	1.848	2.710	12.3	22.2
2 21	11 45.13	+ 2 59.6	1.791	2.725	8.5	22.0
3 2	11 36.38	+ 3 49.7	1.761	2.740	4.1	21.8
3 12	11 26.75	+ 4 43.7	1.760	2.753	0.5	21.5
3 22	11 17.28	+ 5 35.0	1.788	2.766	4.9	21.9
4 1	11 8.95	+ 6 18.0	1.844	2.779	9.0	22.2
4 11	11 2.55	+ 6 48.4	1.925	2.791	12.5	22.4
496015 2008 HF_{53}			3 11.5 227°.99		0°.9/10.4 17	
2 1	11 51.09	+ 2 25.6	2.339	3.108	13.1	22.4
2 11	11 47.53	+ 3 14.9	2.232	3.096	10.4	22.2
2 21	11 41.99	+ 4 18.0	2.148	3.084	7.1	21.9
3 2	11 34.87	+ 5 30.9	2.092	3.071	3.5	21.7
3 12	11 26.84	+ 6 47.8	2.065	3.057	1.1	21.5
3 22	11 18.71	+ 8 2.3	2.068	3.043	4.7	21.7
4 1	11 11.31	+ 9 8.0	2.101	3.028	8.4	21.9
4 11	11 5.37	+10 0.3	2.159	3.013	11.8	22.1
205253 2000 RH_{42}			3 11.5 227°.90		4°.6/15.3 18	
2 1	11 54.57	− 9 28.4	1.824	2.553	17.7	20.5
2 11	11 50.98	− 9 52.0	1.721	2.546	14.9	20.2
2 21	11 44.78	− 9 55.0	1.636	2.537	11.5	20.0
3 2	11 36.42	− 9 36.4	1.575	2.529	7.7	19.8
3 12	11 26.76	− 8 57.8	1.540	2.520	4.8	19.6
3 22	11 16.90	− 8 3.7	1.533	2.510	5.6	19.6
4 1	11 8.05	− 7 1.3	1.552	2.500	9.2	19.8
4 11	11 1.18	− 5 59.1	1.597	2.490	13.1	20.0
268971 2007 ED_{28}			3 11.5 9°.35		2°.1/ 9.6 17	
2 1	11 48.10	+ 4 24.8	1.552	2.360	16.9	20.5
2 11	11 46.03	+ 5 16.3	1.474	2.361	13.3	20.3
2 21	11 41.37	+ 6 24.4	1.417	2.363	9.0	20.0
3 2	11 34.65	+ 7 42.8	1.384	2.365	4.4	19.8
3 12	11 26.86	+ 9 2.5	1.377	2.368	2.4	19.6
3 22	11 19.11	+10 14.1	1.397	2.371	6.6	19.9
4 1	11 12.57	+11 9.7	1.442	2.375	11.1	20.2
4 11	11 8.11	+11 44.9	1.509	2.379	15.1	20.4
224379 2005 UZ_{186}			3 11.5 197°.18		1°.6/ 9.8 18	
2 1	11 54.06	+ 6 4.4	2.408	3.181	12.7	21.7
2 11	11 49.71	+ 6 38.2	2.311	3.178	10.0	21.5
2 21	11 43.38	+ 7 21.4	2.237	3.174	6.8	21.3
3 2	11 35.52	+ 8 9.8	2.191	3.170	3.4	21.0
3 12	11 26.82	+ 8 58.3	2.174	3.164	1.8	20.9
3 22	11 18.11	+ 9 41.6	2.188	3.159	4.9	21.1
4 1	11 10.20	+10 15.4	2.231	3.152	8.3	21.3
4 11	11 3.78	+10 36.5	2.299	3.145	11.4	21.5
237092 2008 TQ_{21}			3 11.5 93°.86		2°.2/ 9.4 18	
2 1	11 53.04	+ 8 2.8	2.091	2.880	13.8	21.2
2 11	11 49.11	+ 8 32.4	2.010	2.887	10.8	21.0
2 21	11 43.04	+ 9 10.1	1.952	2.893	7.3	20.8
3 2	11 35.35	+ 9 51.4	1.920	2.899	3.7	20.6
3 12	11 26.85	+10 30.5	1.917	2.906	2.5	20.5
3 22	11 18.44	+11 1.9	1.943	2.912	5.6	20.7
4 1	11 11.02	+11 21.6	1.996	2.918	9.2	20.9
4 11	11 5.30	+11 27.4	2.074	2.925	12.3	21.2
356542 2011 SO_{165}			3 11.5 205°.23		1°.4/12.7 18	
2 1	11 57.58	− 2 14.1	2.004	2.752	15.7	21.7
2 11	11 53.01	− 2 11.5	1.900	2.746	12.8	21.4
2 21	11 45.98	− 1 53.4	1.817	2.740	9.2	21.2
3 2	11 36.95	− 1 21.4	1.760	2.732	5.1	20.9
3 12	11 26.76	− 0 39.2	1.732	2.724	1.5	20.7
3 22	11 16.44	+ 0 7.7	1.733	2.715	4.5	20.9
4 1	11 7.09	+ 0 53.0	1.763	2.705	8.8	21.1
4 11	10 59.60	+ 1 31.2	1.819	2.694	12.6	21.3
41909 2000 WO_{141}			3 11.5 65°.39		4°.2/ 7.9 18	
2 1	11 55.73	+12 46.8	1.788	2.590	15.3	18.0
2 11	11 51.42	+13 31.1	1.729	2.612	11.9	17.8
2 21	11 44.66	+14 20.4	1.692	2.634	8.2	17.6
3 2	11 36.12	+15 7.9	1.681	2.655	5.0	17.5
3 12	11 26.81	+15 46.2	1.698	2.677	4.6	17.5
3 22	11 17.82	+16 9.7	1.743	2.699	7.4	17.7
4 1	11 10.15	+16 15.4	1.814	2.720	10.8	17.9
4 11	11 4.52	+16 3.0	1.907	2.742	13.9	18.2
179864 2002 TM_{274}			3 11.5 86°.96		1°.0/12.3 18	
2 1	11 55.42	− 0 24.7	1.735	2.505	16.9	20.2
2 11	11 51.40	− 0 24.9	1.657	2.518	13.6	20.0
2 21	11 44.84	− 0 9.6	1.600	2.530	9.5	19.8
3 2	11 36.31	+ 0 18.7	1.567	2.542	5.0	19.5
3 12	11 26.80	+ 0 55.0	1.561	2.554	1.0	19.3
3 22	11 17.42	+ 1 33.5	1.584	2.567	4.7	19.6
4 1	11 9.27	+ 2 7.9	1.634	2.578	9.1	19.8
4 11	11 3.19	+ 2 33.4	1.708	2.590	13.0	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
380017 2013 PP_{69}			3 11.5 169°.85		3°.5/15.4 15	
	h m	° ′			°	m
2 1	11 54.83	− 9 39.6	2.670	3.367	13.3	22.5
2 11	11 50.12	− 9 54.5	2.567	3.372	11.1	22.4
2 21	11 43.56	− 9 54.6	2.486	3.376	8.5	22.2
3 2	11 35.59	− 9 39.7	2.432	3.380	5.8	22.0
3 12	11 26.84	− 9 11.5	2.406	3.383	3.7	21.9
3 22	11 18.07	− 8 33.3	2.410	3.385	4.2	21.9
4 1	11 10.03	− 7 49.5	2.444	3.386	6.7	22.1
4 11	11 3.36	− 7 5.0	2.506	3.387	9.4	22.3
242753 2005 VW_{112}			3 11.5 156°.61		0°.3/11.9 16	
2 1	11 53.22	− 0 11.5	2.417	3.169	13.2	22.2
2 11	11 48.95	+ 0 11.7	2.325	3.177	10.5	22.0
2 21	11 42.80	+ 0 47.5	2.257	3.185	7.3	21.8
3 2	11 35.20	+ 1 33.1	2.216	3.191	3.7	21.6
3 12	11 26.87	+ 2 24.2	2.204	3.197	0.3	21.3
3 22	11 18.57	+ 3 15.7	2.222	3.203	3.8	21.6
4 1	11 11.09	+ 4 2.6	2.270	3.208	7.4	21.8
4 11	11 5.09	+ 4 40.7	2.345	3.212	10.5	22.1
18759 1999 HO_{2}			3 11.5 223°.01		1°.1/10.5 18	
2 1	11 56.33	+ 4 5.7	2.067	2.838	14.5	19.4
2 11	11 51.97	+ 4 32.7	1.962	2.827	11.6	19.1
2 21	11 45.23	+ 5 11.9	1.880	2.815	8.0	18.9
3 2	11 36.57	+ 5 59.7	1.824	2.803	3.9	18.6
3 12	11 26.79	+ 6 50.3	1.797	2.789	1.3	18.4
3 22	11 16.87	+ 7 37.5	1.800	2.775	5.2	18.6
4 1	11 7.86	+ 8 15.6	1.831	2.760	9.4	18.8
4 11	11 0.63	+ 8 40.6	1.887	2.744	13.1	19.0
272888 2006 BE_{117}			3 11.5 120°.67		0°.3/11.2 18	
2 1	11 51.14	+ 1 2.7	2.170	2.939	14.0	21.4
2 11	11 47.53	+ 1 38.5	2.087	2.950	11.1	21.2
2 21	11 41.92	+ 2 27.9	2.026	2.960	7.6	21.0
3 2	11 34.79	+ 3 27.1	1.991	2.969	3.7	20.8
3 12	11 26.89	+ 4 30.6	1.986	2.979	0.4	20.6
3 22	11 19.07	+ 5 32.2	2.009	2.988	4.4	20.9
4 1	11 12.16	+ 6 26.2	2.062	2.997	8.1	21.1
4 11	11 6.82	+ 7 8.3	2.139	3.006	11.4	21.3
142013 2002 PC_{167}			3 11.5 287°.82		0°.8/12.2 17	
2 1	11 52.24	− 0 32.1	1.634	2.414	17.4	20.9
2 11	11 49.45	− 0 26.8	1.531	2.399	14.1	20.6
2 21	11 43.91	− 0 3.9	1.449	2.383	10.0	20.3
3 2	11 36.07	+ 0 34.7	1.390	2.367	5.3	20.0
3 12	11 26.82	+ 1 23.9	1.358	2.351	0.9	19.7
3 22	11 17.34	+ 2 16.7	1.352	2.335	5.3	19.9
4 1	11 8.91	+ 3 5.4	1.373	2.319	10.3	20.2
4 11	11 2.61	+ 3 43.2	1.417	2.304	14.8	20.4
336743 2010 FL_{15}			3 11.5 86°.93		1°.4/ 9.9 18	
2 1	11 50.98	+ 5 15.6	2.165	2.948	13.6	20.6
2 11	11 47.41	+ 5 50.7	2.084	2.957	10.6	20.4
2 21	11 41.83	+ 6 36.1	2.027	2.967	7.2	20.2
3 2	11 34.74	+ 7 27.4	1.997	2.977	3.5	20.0
3 12	11 26.90	+ 8 18.9	1.995	2.986	1.7	19.9
3 22	11 19.16	+ 9 5.0	2.023	2.996	5.0	20.1
4 1	11 12.34	+ 9 40.9	2.078	3.005	8.5	20.4
4 11	11 7.11	+10 3.6	2.158	3.015	11.7	20.6
363829 2005 PQ_{6}			3 11.5 156°.80		8°.3/27.1 17	
2 1	11 56.39	+31 21.4	2.726	3.509	11.1	21.7
2 11	11 51.55	+33 23.2	2.675	3.520	9.5	21.6
2 21	11 44.64	+35 18.4	2.651	3.530	8.5	21.5
3 2	11 36.14	+36 58.6	2.655	3.539	8.4	21.5
3 12	11 26.83	+38 16.6	2.686	3.547	9.2	21.6
3 22	11 17.58	+39 8.5	2.744	3.554	10.7	21.7
4 1	11 9.25	+39 33.3	2.824	3.561	12.2	21.8
4 11	11 2.55	+39 32.8	2.923	3.566	13.7	22.0
466414 2013 TH_{1}			3 11.5 114°.28		3°.3/ 8.2 16	
2 1	11 53.74	+10 53.5	2.114	2.907	13.5	21.4
2 11	11 49.63	+11 37.1	2.038	2.916	10.6	21.2
2 21	11 43.37	+12 27.1	1.985	2.926	7.2	21.0
3 2	11 35.52	+13 17.9	1.959	2.935	4.1	20.9
3 12	11 26.88	+14 3.1	1.962	2.945	3.6	20.9
3 22	11 18.37	+14 37.3	1.994	2.953	6.4	21.0
4 1	11 10.87	+14 56.6	2.053	2.962	9.7	21.3
4 11	11 5.10	+14 59.5	2.136	2.971	12.7	21.5
301128 2008 WV_{96}			3 11.5 79°.94		0°.4/11.8 18	
2 1	11 55.85	+ 0 0.6	1.461	2.245	19.0	21.3
2 11	11 52.14	+ 0 15.9	1.393	2.263	15.1	21.1
2 21	11 45.53	+ 0 49.8	1.345	2.281	10.5	20.9
3 2	11 36.71	+ 1 38.3	1.320	2.298	5.3	20.6
3 12	11 26.81	+ 2 34.5	1.322	2.316	0.4	20.3
3 22	11 17.17	+ 3 30.1	1.351	2.333	5.4	20.7
4 1	11 9.01	+ 4 17.4	1.406	2.350	10.3	21.1
4 11	11 3.26	+ 4 50.9	1.483	2.367	14.5	21.3

430581 2002 QY_{116} 3 11.5 140°.96 1°.1/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.72	+ 4 19.6	2.391	3.166	12.7	21.5
2 11	11 47.03	+ 4 57.1	2.305	3.173	10.0	21.4
2 21	11 41.50	+ 5 45.1	2.241	3.179	6.7	21.2
3 2	11 34.57	+ 6 39.4	2.206	3.185	3.3	21.0
3 12	11 26.93	+ 7 34.8	2.199	3.191	1.3	20.8
3 22	11 19.34	+ 8 26.0	2.222	3.196	4.5	21.1
4 1	11 12.55	+ 9 8.3	2.274	3.201	7.9	21.3
4 11	11 7.21	+ 9 38.5	2.351	3.206	10.9	21.5

15623 2000 HU_{30} 3 11.5 125°.73 1°.0/10.7 18

2 1	11 57.75	+ 3 27.9	1.731	2.509	16.7	18.5
2 11	11 53.22	+ 3 56.4	1.655	2.524	13.1	18.3
2 21	11 46.07	+ 4 38.7	1.601	2.539	9.0	18.0
3 2	11 36.93	+ 5 30.2	1.573	2.552	4.4	17.8
3 12	11 26.80	+ 6 23.9	1.572	2.565	1.2	17.6
3 22	11 16.85	+ 7 12.7	1.601	2.577	5.5	17.9
4 1	11 8.20	+ 7 50.7	1.656	2.589	9.9	18.2
4 11	11 1.69	+ 8 14.0	1.736	2.600	13.7	18.5

318041 2004 EN_{91} 3 11.5 353°.76 1°.1/10.7 17

2 1	11 50.36	+ 4 32.7	1.304	2.120	19.1	20.9
2 11	11 48.42	+ 4 39.4	1.225	2.115	15.2	20.6
2 21	11 43.39	+ 5 1.3	1.164	2.111	10.5	20.3
3 2	11 35.82	+ 5 34.1	1.126	2.107	5.1	20.0
3 12	11 26.86	+ 6 10.5	1.112	2.105	1.4	19.7
3 22	11 17.89	+ 6 42.3	1.123	2.104	6.6	20.1
4 1	11 10.36	+ 7 2.6	1.158	2.104	11.9	20.4
4 11	11 5.35	+ 7 6.7	1.214	2.105	16.5	20.6

27402 2000 EZ_{108} 3 11.5 227°.93 4°.3/ 6.9 18 R

2 1	11 52.84	+14 50.2	2.292	3.090	12.5	18.6
2 11	11 48.88	+15 37.3	2.207	3.086	9.8	18.4
2 21	11 42.87	+16 28.2	2.145	3.083	7.0	18.2
3 2	11 35.30	+17 17.0	2.110	3.079	4.6	18.1
3 12	11 26.90	+17 57.4	2.104	3.075	4.7	18.1
3 22	11 18.54	+18 24.4	2.126	3.071	7.1	18.2
4 1	11 11.08	+18 34.9	2.175	3.067	10.0	18.4
4 11	11 5.21	+18 27.8	2.248	3.063	12.8	18.5

22324 1991 RQ_{9} 3 11.5 225°.54 0°.5/12.0 18 R

2 1	11 54.34	− 0 36.2	2.121	2.878	14.7	19.4
2 11	11 50.35	− 0 18.1	2.013	2.867	11.8	19.2
2 21	11 44.10	+ 0 14.9	1.927	2.855	8.3	19.0
3 2	11 36.02	+ 1 0.4	1.867	2.843	4.4	18.7
3 12	11 26.86	+ 1 53.9	1.836	2.830	0.5	18.4
3 22	11 17.56	+ 2 49.5	1.835	2.816	4.4	18.7
4 1	11 9.11	+ 3 41.0	1.862	2.802	8.6	18.9
4 11	11 2.33	+ 4 23.1	1.915	2.786	12.3	19.1

292295 2006 SA_{140} 3 11.5 199°.56 2°.2/13.9 17

2 1	11 51.44	− 5 7.2	2.580	3.310	13.0	20.8
2 11	11 47.55	− 5 15.6	2.477	3.309	10.6	20.6
2 21	11 41.86	− 5 10.9	2.396	3.307	7.8	20.5
3 2	11 34.78	− 4 54.0	2.342	3.305	4.8	20.3
3 12	11 26.93	− 4 27.1	2.316	3.303	2.3	20.1
3 22	11 19.05	− 3 53.9	2.320	3.301	3.6	20.2
4 1	11 11.87	− 3 18.5	2.353	3.298	6.7	20.4
4 11	11 6.02	− 2 45.4	2.413	3.295	9.7	20.5

160114 2000 SX_{216} 3 11.5 111°.46 3°.7/ 8.1 18

2 1	11 56.87	+ 9 50.1	1.786	2.580	15.6	20.2
2 11	11 52.39	+10 52.5	1.721	2.601	12.1	20.0
2 21	11 45.40	+12 3.9	1.678	2.620	8.3	19.8
3 2	11 36.55	+13 16.7	1.663	2.639	4.7	19.6
3 12	11 26.85	+14 22.5	1.675	2.657	4.1	19.6
3 22	11 17.39	+15 13.9	1.716	2.675	7.3	19.8
4 1	11 9.23	+15 46.5	1.784	2.692	10.9	20.1
4 11	11 3.15	+15 58.7	1.874	2.708	14.2	20.3

342630 2008 UL_{346} 3 11.5 85°.65 3°.2/14.7 17

2 1	11 51.70	− 7 10.2	2.245	2.975	14.7	20.5
2 11	11 48.01	− 7 26.4	2.151	2.979	12.2	20.4
2 21	11 42.30	− 7 26.9	2.078	2.984	9.1	20.2
3 2	11 35.03	− 7 11.9	2.030	2.989	5.9	20.0
3 12	11 26.92	− 6 43.7	2.010	2.993	3.3	19.8
3 22	11 18.81	− 6 6.3	2.019	2.998	4.3	19.9
4 1	11 11.54	− 5 24.8	2.055	3.003	7.3	20.1
4 11	11 5.83	− 4 44.6	2.118	3.007	10.5	20.3

77194 2001 FH_{14} 3 11.5 147°.24 0°.9/10.5 17

2 1	11 50.80	+ 3 14.9	2.215	2.991	13.5	19.9
2 11	11 47.28	+ 3 50.0	2.127	2.995	10.7	19.7
2 21	11 41.78	+ 4 37.0	2.061	2.998	7.3	19.5
3 2	11 34.76	+ 5 32.1	2.022	3.002	3.5	19.3
3 12	11 26.94	+ 6 29.6	2.012	3.005	1.1	19.1
3 22	11 19.15	+ 7 23.7	2.032	3.008	4.6	19.3
4 1	11 12.23	+ 8 9.2	2.079	3.011	8.3	19.6
4 11	11 6.85	+ 8 42.3	2.152	3.013	11.5	19.8

245463 2005 MM_{14} 3 11.5 202°.51 1°.3/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.27	− 3 54.7	3.195	3.924	10.7	22.4
2 11	11 45.47	− 3 40.0	3.085	3.919	8.7	22.2
2 21	11 40.24	− 3 14.1	2.999	3.914	6.3	22.0
3 2	11 33.91	− 2 38.3	2.940	3.908	3.6	21.8
3 12	11 26.99	− 1 55.4	2.911	3.901	1.3	21.7
3 22	11 20.02	− 1 8.8	2.913	3.894	2.9	21.8
4 1	11 13.59	− 0 22.3	2.945	3.887	5.6	21.9
4 11	11 8.19	+ 0 20.3	3.005	3.879	8.2	22.1

317068 2001 SY_{205} 3 11.5 112°.09 3°.5/ 8.8 18

2 1	12 0.28	+12 27.0	1.862	2.653	15.2	20.3
2 11	11 55.08	+12 43.5	1.784	2.660	12.0	20.1
2 21	11 47.28	+13 4.5	1.728	2.667	8.3	19.9
3 2	11 37.52	+13 24.3	1.699	2.675	4.7	19.7
3 12	11 26.80	+13 36.9	1.698	2.681	3.8	19.6
3 22	11 16.27	+13 37.6	1.726	2.688	6.9	19.8
4 1	11 7.03	+13 23.7	1.781	2.695	10.6	20.1
4 11	10 59.91	+12 54.9	1.859	2.701	13.9	20.3

102062 1999 RN_{132} 3 11.5 250°.25 3°.9/15.9 17

2 1	11 52.56	−11 4.5	2.928	3.616	12.4	20.0
2 11	11 48.35	−11 31.8	2.803	3.599	10.6	19.8
2 21	11 42.42	−11 45.9	2.701	3.581	8.3	19.6
3 2	11 35.09	−11 45.9	2.624	3.563	5.9	19.4
3 12	11 26.93	−11 32.5	2.575	3.545	4.1	19.3
3 22	11 18.59	−11 7.8	2.557	3.526	4.4	19.3
4 1	11 10.78	−10 35.1	2.568	3.507	6.5	19.4
4 11	11 4.16	− 9 59.1	2.606	3.488	9.1	19.5

201768 2003 WQ_{67} 3 11.5 54°.71 1°.5/10.0 17

2 1	11 51.08	+ 5 17.2	1.986	2.774	14.5	20.5
2 11	11 47.70	+ 5 48.3	1.906	2.781	11.3	20.3
2 21	11 42.15	+ 6 30.3	1.848	2.789	7.7	20.1
3 2	11 34.96	+ 7 18.9	1.817	2.797	3.7	19.9
3 12	11 26.93	+ 8 7.8	1.813	2.805	1.7	19.7
3 22	11 19.00	+ 8 51.2	1.838	2.813	5.3	20.0
4 1	11 12.07	+ 9 24.0	1.891	2.821	9.1	20.2
4 11	11 6.86	+ 9 42.9	1.967	2.829	12.4	20.5

460342 2014 RR_{21} 3 11.5 89°.57 0°.1/11.4 18

2 1	11 55.13	+ 1 7.0	1.695	2.473	17.0	21.7
2 11	11 51.17	+ 1 29.7	1.624	2.491	13.4	21.5
2 21	11 44.66	+ 2 8.2	1.574	2.509	9.3	21.3
3 2	11 36.23	+ 2 58.3	1.548	2.527	4.6	21.1
3 12	11 26.87	+ 3 53.5	1.551	2.544	0.3	20.8
3 22	11 17.73	+ 4 46.6	1.581	2.561	5.1	21.2
4 1	11 9.86	+ 5 31.1	1.638	2.578	9.5	21.5
4 11	11 4.09	+ 6 2.4	1.720	2.595	13.3	21.7

107519 2001 DO_{57} 3 11.5 348°.33 0°.3/11.3 18

2 1	11 50.80	+ 2 7.4	1.347	2.154	19.1	19.9
2 11	11 48.70	+ 2 17.3	1.265	2.149	15.3	19.6
2 21	11 43.56	+ 2 45.2	1.201	2.144	10.6	19.3
3 2	11 35.93	+ 3 27.3	1.161	2.141	5.3	19.0
3 12	11 26.89	+ 4 16.6	1.144	2.138	0.5	18.6
3 22	11 17.82	+ 5 4.5	1.154	2.136	6.1	19.0
4 1	11 10.12	+ 5 42.8	1.187	2.134	11.5	19.3
4 11	11 4.90	+ 6 5.6	1.242	2.134	16.2	19.6

269256 2008 QK_{43} 3 11.5 233°.69 7°.0/19.1 17

2 1	11 51.49	−19 15.4	2.315	2.972	16.1	20.6
2 11	11 48.09	−19 50.0	2.204	2.963	14.2	20.4
2 21	11 42.54	−20 3.4	2.110	2.954	11.9	20.2
3 2	11 35.26	−19 52.9	2.039	2.944	9.4	20.0
3 12	11 26.93	−19 18.1	1.992	2.934	7.5	19.9
3 22	11 18.43	−18 21.3	1.973	2.924	7.1	19.8
4 1	11 10.69	−17 8.1	1.980	2.913	8.6	19.9
4 11	11 4.53	−15 46.1	2.014	2.902	11.0	20.0

187146 2005 QB_{166} 3 11.5 133°.20 2°.8/ 8.6 16

2 1	11 52.73	+ 8 4.8	2.048	2.838	14.0	21.2
2 11	11 48.94	+ 9 0.0	1.969	2.847	10.9	21.0
2 21	11 42.98	+10 5.0	1.914	2.856	7.4	20.8
3 2	11 35.37	+11 13.8	1.886	2.864	3.9	20.6
3 12	11 26.94	+12 19.3	1.886	2.872	3.1	20.6
3 22	11 18.59	+13 14.9	1.916	2.879	6.2	20.8
4 1	11 11.26	+13 55.4	1.972	2.886	9.7	21.0
4 11	11 5.64	+14 18.5	2.053	2.893	12.9	21.2

235939 2005 EC_{137} 3 11.5 32°.19 0°.4/11.1 18

2 1	11 49.33	+ 1 53.1	1.826	2.613	15.6	20.4
2 11	11 46.53	+ 2 20.4	1.747	2.621	12.3	20.2
2 21	11 41.46	+ 3 2.3	1.690	2.629	8.5	20.0
3 2	11 34.66	+ 3 54.8	1.658	2.638	4.1	19.8
3 12	11 26.97	+ 4 51.6	1.654	2.647	0.6	19.5
3 22	11 19.38	+ 5 45.9	1.677	2.657	4.9	19.9
4 1	11 12.85	+ 6 31.6	1.727	2.667	9.1	20.1
4 11	11 8.11	+ 7 3.9	1.801	2.678	12.7	20.4

339001 2004 GJ_{40} 3 11.5 28°.61 5°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 44.60	−19 30.5	1.864	2.553	18.6	19.9
2 11	11 42.91	−18 53.1	1.776	2.564	16.0	19.8
2 21	11 39.01	−17 43.2	1.706	2.576	12.9	19.6
3 2	11 33.45	−16 0.8	1.659	2.589	9.4	19.4
3 12	11 27.03	−13 50.1	1.637	2.603	6.5	19.2
3 22	11 20.72	−11 20.1	1.643	2.617	5.8	19.2
4 1	11 15.42	− 8 42.8	1.678	2.631	8.2	19.4
4 11	11 11.85	− 6 10.7	1.740	2.647	11.4	19.6

510040 2010 CP_{206} 3 11.5 207°.29 6°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.65	+22 30.0	2.538	3.341	11.3	21.0
2 11	11 47.08	+23 56.5	2.463	3.338	9.1	20.9
2 21	11 41.60	+25 22.7	2.414	3.335	7.3	20.8
3 2	11 34.67	+26 41.3	2.392	3.332	6.4	20.7
3 12	11 26.98	+27 45.2	2.398	3.328	7.1	20.7
3 22	11 19.31	+28 29.6	2.431	3.324	8.9	20.8
4 1	11 12.45	+28 51.8	2.490	3.320	11.1	21.0
4 11	11 7.06	+28 52.0	2.569	3.316	13.2	21.1

318060 2004 FT_{90} 3 11.5 76°.51 19°.4/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 20.44	+42 19.4	1.109	1.898	23.5	19.4
2 11	12 13.66	+44 2.6	1.075	1.906	21.4	19.3
2 21	12 1.23	+45 18.7	1.058	1.915	19.9	19.2
3 2	11 44.58	+45 47.5	1.058	1.924	19.4	19.2
3 12	11 26.49	+45 15.7	1.076	1.933	20.1	19.3
3 22	11 9.98	+43 42.7	1.113	1.942	21.7	19.4
4 1	10 57.33	+41 18.7	1.167	1.951	23.7	19.6
4 11	10 49.51	+38 19.5	1.236	1.960	25.7	19.8

66209 1999 CC_{14} 3 11.5 109°.94 0°.2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.35	+ 0 38.1	2.174	2.930	14.4	19.4
2 11	11 51.48	+ 0 58.9	2.100	2.954	11.4	19.3
2 21	11 44.54	+ 1 32.4	2.049	2.978	7.9	19.1
3 2	11 36.07	+ 2 15.2	2.024	3.001	3.9	18.9
3 12	11 26.91	+ 3 2.5	2.029	3.023	0.2	18.6
3 22	11 17.94	+ 3 48.8	2.064	3.044	4.1	19.0
4 1	11 10.01	+ 4 29.2	2.129	3.065	7.8	19.2
4 11	11 3.79	+ 4 59.8	2.219	3.085	11.1	19.5

389909 2012 TZ_{56} 3 11.5 268°.94 4°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.17	+17 0.6	2.331	3.129	12.3	20.5
2 11	11 49.09	+17 45.5	2.249	3.128	9.7	20.4
2 21	11 42.99	+18 32.2	2.191	3.127	7.0	20.2
3 2	11 35.36	+19 14.8	2.161	3.126	5.0	20.1
3 12	11 26.95	+19 47.3	2.159	3.124	5.2	20.1
3 22	11 18.61	+20 5.1	2.185	3.123	7.4	20.2
4 1	11 11.19	+20 5.7	2.238	3.122	10.1	20.4
4 11	11 5.36	+19 48.8	2.314	3.121	12.7	20.5

18145 2000 OX_{48} 3 11.5 188°.32 2°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.60	+ 7 58.0	2.087	2.870	14.0	20.0
2 11	11 51.28	+ 8 52.9	1.996	2.870	11.0	19.8
2 21	11 44.67	+ 9 58.3	1.929	2.869	7.5	19.6
3 2	11 36.27	+11 8.4	1.889	2.866	4.0	19.3
3 12	11 26.90	+12 15.9	1.878	2.863	3.1	19.3
3 22	11 17.53	+13 14.0	1.896	2.860	6.3	19.5
4 1	11 9.12	+13 57.1	1.943	2.855	9.9	19.7
4 11	11 2.49	+14 22.5	2.014	2.850	13.3	19.9

235744 2004 TW_{306} 3 11.5 68°.92 4°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.75	−10 4.2	1.899	2.627	17.1	20.5
2 11	11 48.35	−10 15.5	1.820	2.644	14.2	20.3
2 21	11 42.67	−10 5.7	1.761	2.661	10.8	20.1
3 2	11 35.25	− 9 35.0	1.725	2.678	7.3	20.0
3 12	11 26.96	− 8 46.5	1.716	2.695	4.4	19.8
3 22	11 18.78	− 7 45.8	1.734	2.713	5.0	19.9
4 1	11 11.68	− 6 40.2	1.780	2.730	8.1	20.1
4 11	11 6.40	− 5 36.9	1.851	2.747	11.4	20.3

167372 2003 WK_{62} 3 11.5 119°.53 0°.1/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.57	+ 0 18.8	2.248	3.013	13.7	20.8
2 11	11 47.06	+ 0 45.4	2.160	3.020	10.9	20.7
2 21	11 41.61	+ 1 25.3	2.095	3.027	7.5	20.5
3 2	11 34.68	+ 2 15.4	2.057	3.034	3.8	20.2
3 12	11 26.99	+ 3 10.7	2.047	3.040	0.2	19.9
3 22	11 19.35	+ 4 5.6	2.066	3.047	4.1	20.3
4 1	11 12.56	+ 4 54.9	2.114	3.053	7.7	20.5
4 11	11 7.29	+ 5 34.0	2.188	3.059	11.0	20.7

65071 2002 AJ_{188} 3 11.5 335°.69 1°.5/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 46.53	+ 3 33.4	2.406	3.186	12.5	19.2
2 11	11 43.83	+ 4 38.4	2.313	3.186	9.7	19.0
2 21	11 39.37	+ 5 56.1	2.245	3.185	6.6	18.8
3 2	11 33.57	+ 7 21.8	2.204	3.184	3.2	18.5
3 12	11 27.05	+ 8 49.1	2.193	3.184	1.7	18.4
3 22	11 20.52	+10 11.5	2.212	3.183	4.8	18.6
4 1	11 14.72	+11 22.9	2.259	3.182	8.2	18.9
4 11	11 10.25	+12 19.3	2.332	3.182	11.2	19.0

465671 2009 SK_{91} 3 11.5 211°.56 2°.2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.23	− 6 44.1	2.366	3.095	14.1	22.6
2 11	11 47.64	− 6 23.8	2.257	3.089	11.6	22.4
2 21	11 42.08	− 5 45.9	2.170	3.081	8.5	22.2
3 2	11 34.97	− 4 51.7	2.109	3.073	5.1	22.0
3 12	11 26.98	− 3 44.8	2.076	3.065	2.3	21.8
3 22	11 18.89	− 2 30.6	2.074	3.056	3.8	21.9
4 1	11 11.55	− 1 15.5	2.100	3.046	7.3	22.1
4 11	11 5.66	− 0 5.8	2.154	3.036	10.7	22.3

189025 1999 RG_{162} 3 11.5 209°.27 1°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.36	+ 3 8.6	1.722	2.503	16.6	21.6
2 11	11 52.48	+ 3 46.8	1.627	2.497	13.2	21.3
2 21	11 45.86	+ 4 41.2	1.553	2.491	9.1	21.0
3 2	11 37.02	+ 5 47.3	1.504	2.484	4.5	20.8
3 12	11 26.89	+ 6 57.6	1.483	2.476	1.5	20.5
3 22	11 16.65	+ 8 3.6	1.491	2.467	6.0	20.8
4 1	11 7.54	+ 8 57.8	1.526	2.457	10.7	21.0
4 11	11 0.56	+ 9 34.9	1.584	2.447	14.9	21.3

322992 2002 OR_{12} 3 11.5 145°.84 4°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.54	−12 52.9	2.253	2.946	15.6	21.5
2 11	11 50.26	−13 5.0	2.160	2.957	13.2	21.3
2 21	11 43.87	−12 57.2	2.087	2.968	10.4	21.1
3 2	11 35.85	−12 29.2	2.038	2.978	7.3	20.9
3 12	11 26.96	−11 42.7	2.017	2.987	5.0	20.8
3 22	11 18.10	−10 42.3	2.024	2.996	5.1	20.8
4 1	11 10.15	− 9 34.0	2.061	3.004	7.6	21.0
4 11	11 3.83	− 8 25.0	2.123	3.011	10.5	21.2

412265 2013 HY_{113} 3 11.5 206°.48 2°.1/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.03	+ 6 42.5	1.897	2.682	15.2	21.8
2 11	11 51.89	+ 7 14.7	1.805	2.678	12.0	21.5
2 21	11 45.25	+ 7 57.9	1.734	2.674	8.2	21.3
3 2	11 36.64	+ 8 47.2	1.690	2.669	4.1	21.0
3 12	11 26.92	+ 9 35.9	1.674	2.664	2.3	20.9
3 22	11 17.17	+10 17.5	1.686	2.658	6.0	21.1
4 1	11 8.48	+10 46.4	1.726	2.651	10.2	21.4
4 11	11 1.74	+10 59.5	1.790	2.644	13.8	21.6

379685 2011 FM_{37} 3 11.5 147°.52 3°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.26	−10 57.3	2.137	2.857	15.7	20.9
2 11	11 46.27	−10 46.5	2.041	2.859	13.1	20.7
2 21	11 41.22	−10 14.6	1.964	2.862	10.0	20.5
3 2	11 34.56	− 9 21.8	1.912	2.864	6.7	20.3
3 12	11 27.02	− 8 11.5	1.886	2.867	4.0	20.1
3 22	11 19.48	− 6 49.4	1.890	2.869	4.5	20.2
4 1	11 12.79	− 5 23.0	1.921	2.871	7.6	20.4
4 11	11 7.69	− 4 0.0	1.979	2.873	10.9	20.6

418245 2008 DZ_{57} 3 11.5 190°.67 4°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.99	−13 41.0	2.353	3.043	15.1	20.1
2 11	11 48.28	−13 40.4	2.247	3.042	12.8	19.9
2 21	11 42.55	−13 19.4	2.161	3.040	10.1	19.7
3 2	11 35.22	−12 37.4	2.098	3.038	7.2	19.5
3 12	11 27.01	−11 36.3	2.064	3.034	4.8	19.4
3 22	11 18.72	−10 20.7	2.058	3.031	4.9	19.4
4 1	11 11.22	− 8 57.2	2.081	3.026	7.4	19.5
4 11	11 5.23	− 7 33.1	2.131	3.021	10.4	19.7

295318 2008 GS_{133} 3 11.5 176°.64 2°.2/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.04	− 7 56.4	3.064	3.779	11.4	21.6
2 11	11 43.81	− 7 43.8	2.960	3.780	9.4	21.5
2 21	11 39.16	− 7 17.6	2.878	3.780	7.0	21.3
3 2	11 33.42	− 6 38.9	2.823	3.781	4.5	21.1
3 12	11 27.10	− 5 50.2	2.797	3.781	2.4	21.0
3 22	11 20.77	− 4 55.1	2.801	3.781	3.1	21.0
4 1	11 15.01	− 3 57.9	2.835	3.781	5.6	21.2
4 11	11 10.30	− 3 3.0	2.896	3.781	8.2	21.4

208215 2000 SL_{101} 3 11.5 138°.19 2°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.19	+ 4 45.9	1.835	2.621	15.6	21.1
2 11	11 50.36	+ 5 46.5	1.757	2.632	12.2	20.9
2 21	11 44.11	+ 7 1.2	1.702	2.642	8.2	20.6
3 2	11 36.01	+ 8 23.9	1.673	2.652	4.1	20.4
3 12	11 26.97	+ 9 46.3	1.672	2.662	2.4	20.3
3 22	11 18.04	+11 0.0	1.700	2.670	6.1	20.6
4 1	11 10.24	+11 58.6	1.756	2.679	10.1	20.8
4 11	11 4.38	+12 38.1	1.835	2.686	13.7	21.1

305949 2009 HT_{21} 3 11.5 312°.26 2°.3/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.90	+ 8 47.6	2.225	3.016	13.0	20.4
2 11	11 47.47	+ 9 14.9	2.130	3.008	10.2	20.2
2 21	11 42.01	+ 9 49.9	2.057	2.999	7.0	20.0
3 2	11 34.95	+10 28.0	2.012	2.990	3.7	19.7
3 12	11 27.03	+11 4.0	1.994	2.982	2.6	19.6
3 22	11 19.07	+11 32.6	2.006	2.974	5.6	19.8
4 1	11 11.96	+11 50.0	2.045	2.966	9.0	20.0
4 11	11 6.39	+11 53.6	2.108	2.958	12.2	20.2

370944 2005 SO_{16} 3 11.5 106°.23 1°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.11	− 2 58.7	1.947	2.706	15.7	21.6
2 11	11 48.58	− 2 39.3	1.864	2.717	12.7	21.4
2 21	11 42.82	− 2 2.5	1.803	2.728	9.0	21.2
3 2	11 35.35	− 1 11.1	1.766	2.739	4.9	20.9
3 12	11 27.01	− 0 10.3	1.757	2.750	1.3	20.7
3 22	11 18.75	+ 0 53.7	1.777	2.760	4.2	20.9
4 1	11 11.51	+ 1 53.8	1.825	2.770	8.3	21.2
4 11	11 6.05	+ 2 44.3	1.899	2.780	11.9	21.4

23230 2000 WM_{59} 3 11.5 224°.40 2°.0/ 9.6 18

2 1	11 54.26	+ 5 23.9	1.988	2.770	14.7	19.4
2 11	11 50.46	+ 6 11.0	1.888	2.760	11.6	19.2
2 21	11 44.28	+ 7 11.3	1.810	2.749	7.9	18.9
3 2	11 36.18	+ 8 19.9	1.758	2.738	4.0	18.7
3 12	11 26.97	+ 9 29.6	1.736	2.725	2.3	18.5
3 22	11 17.64	+10 33.2	1.742	2.713	5.9	18.7
4 1	11 9.23	+11 24.0	1.776	2.699	10.0	19.0
4 11	11 2.63	+11 57.8	1.834	2.685	13.7	19.1

52426 1994 PF 3 11.5 287°.67 3°.4/14.0 18

2 1	11 51.53	− 6 1.7	1.462	2.232	19.6	20.1
2 11	11 49.34	− 6 13.1	1.360	2.215	16.3	19.8
2 21	11 44.15	− 6 1.3	1.276	2.198	12.2	19.5
3 2	11 36.38	− 5 25.6	1.213	2.181	7.5	19.2
3 12	11 26.96	− 4 29.1	1.175	2.163	3.6	18.9
3 22	11 17.19	− 3 18.8	1.162	2.146	5.7	18.9
4 1	11 8.55	− 2 4.6	1.175	2.129	10.8	19.2
4 11	11 2.26	− 0 56.7	1.210	2.112	15.7	19.4

96383 1998 BJ_{15} 3 11.5 121°.65 7°.6/18.5 18

2 1	11 56.49	−17 23.5	1.842	2.523	19.0	19.7
2 11	11 52.41	−18 13.6	1.757	2.535	16.5	19.5
2 21	11 45.70	−18 39.5	1.689	2.548	13.6	19.4
3 2	11 36.90	−18 37.9	1.643	2.560	10.5	19.2
3 12	11 26.95	−18 8.7	1.621	2.571	8.1	19.1
3 22	11 17.00	−17 15.5	1.625	2.582	7.8	19.1
4 1	11 8.23	−16 5.4	1.656	2.593	9.6	19.2
4 11	11 1.54	−14 48.0	1.712	2.603	12.5	19.4

167011 2003 QP_6 3 11.5 208°.73 0°.2/11.7 18

2 1	11 56.61	+ 1 12.9	1.960	2.725	15.4	20.4
2 11	11 52.30	+ 1 21.9	1.861	2.720	12.4	20.2
2 21	11 45.54	+ 1 44.5	1.783	2.714	8.7	19.9
3 2	11 36.81	+ 2 17.9	1.731	2.708	4.4	19.6
3 12	11 26.96	+ 2 57.5	1.708	2.701	0.2	19.3
3 22	11 17.02	+ 3 37.6	1.713	2.694	4.7	19.6
4 1	11 8.07	+ 4 12.4	1.747	2.686	9.1	19.9
4 11	11 1.00	+ 4 37.3	1.806	2.677	12.9	20.1

113505 2002 TJ_7 3 11.5 25°.04 1°.4/10.3 18

2 1	11 54.04	+ 6 32.7	2.095	2.877	14.0	19.4
2 11	11 49.98	+ 6 43.1	2.006	2.878	11.0	19.2
2 21	11 43.74	+ 7 1.9	1.941	2.879	7.5	19.0
3 2	11 35.81	+ 7 25.4	1.901	2.881	3.7	18.7
3 12	11 27.01	+ 7 48.8	1.891	2.882	1.6	18.6
3 22	11 18.26	+ 8 7.5	1.909	2.884	5.0	18.8
4 1	11 10.47	+ 8 17.5	1.955	2.885	8.8	19.1
4 11	11 4.39	+ 8 16.3	2.026	2.887	12.2	19.3

382874 2004 JQ_{51} 3 11.5 326°.36 3°.0/ 8.4 17

2 1	11 46.99	+ 8 7.0	1.892	2.699	14.4	20.3
2 11	11 44.86	+ 9 1.2	1.796	2.683	11.3	20.0
2 21	11 40.49	+10 7.3	1.722	2.668	7.7	19.8
3 2	11 34.30	+11 19.5	1.674	2.653	4.2	19.5
3 12	11 27.09	+12 30.0	1.653	2.638	3.4	19.4
3 22	11 19.77	+13 31.1	1.659	2.625	6.8	19.6
4 1	11 13.36	+14 16.4	1.692	2.611	10.7	19.8
4 11	11 8.66	+14 42.2	1.747	2.599	14.2	20.0

133034 2002 YZ_2 3 11.5 39°.76 17°.5/23.2 18

2 1	11 58.44	−26 21.0	1.209	1.880	27.7	19.1
2 11	11 55.99	−29 8.3	1.138	1.884	25.5	18.9
2 21	11 49.52	−31 25.5	1.079	1.889	22.9	18.7
3 2	11 39.37	−32 59.8	1.035	1.893	20.4	18.6
3 12	11 26.82	−33 41.2	1.008	1.898	18.4	18.5
3 22	11 13.82	−33 26.1	1.000	1.904	17.5	18.4
4 1	11 2.56	−32 20.6	1.010	1.909	18.0	18.5
4 11	10 54.79	−30 40.0	1.038	1.915	19.8	18.6

354822 2005 WS_{103} 3 11.5 38°.92 21°.1/19.0 18

2 1	11 59.97	+46 20.4	1.112	1.918	22.4	19.6
2 11	11 57.80	+49 20.6	1.110	1.934	21.3	19.6
2 21	11 50.53	+51 43.2	1.124	1.951	21.1	19.6
3 2	11 39.42	+53 11.6	1.154	1.969	21.6	19.7
3 12	11 26.86	+53 37.1	1.200	1.988	22.6	19.9
3 22	11 15.45	+53 1.5	1.259	2.007	23.9	20.0
4 1	11 7.19	+51 33.3	1.329	2.027	25.2	20.2
4 11	11 3.00	+49 24.9	1.410	2.048	26.3	20.4

373609 2002 CJ_{315} 3 11.5 342°.71 5°.1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.59	− 9 0.9	1.559	2.315	19.1	20.7
2 11	11 46.68	− 9 36.5	1.465	2.306	16.1	20.4
2 21	11 42.08	− 9 50.2	1.389	2.298	12.5	20.2
3 2	11 35.23	− 9 40.1	1.334	2.290	8.5	19.9
3 12	11 27.06	− 9 7.8	1.303	2.284	5.4	19.7
3 22	11 18.72	− 8 18.4	1.298	2.278	6.1	19.7
4 1	11 11.48	− 7 19.5	1.318	2.273	9.8	19.9
4 11	11 6.38	− 6 20.4	1.361	2.269	13.9	20.1

498984 2009 BQ_{159} 3 11.5 4°.80 0°.4/11.1 17

2 1	11 48.63	+ 1 59.9	2.043	2.824	14.4	21.5
2 11	11 45.82	+ 2 26.7	1.954	2.824	11.4	21.3
2 21	11 40.94	+ 3 7.0	1.887	2.825	7.8	21.1
3 2	11 34.45	+ 3 57.1	1.846	2.825	3.8	20.8
3 12	11 27.10	+ 4 51.6	1.833	2.826	0.6	20.6
3 22	11 19.77	+ 5 44.3	1.848	2.828	4.6	20.9
4 1	11 13.33	+ 6 29.5	1.891	2.830	8.5	21.1
4 11	11 8.51	+ 7 2.8	1.958	2.832	12.0	21.3

465145 2007 BE_{81} 3 11.5 350°.59 5°.5/ 5.8 17

2 1	11 46.49	+10 45.6	1.531	2.357	16.2	21.1
2 11	11 44.95	+12 32.5	1.455	2.353	12.7	20.8
2 21	11 40.79	+14 33.6	1.402	2.350	8.8	20.6
3 2	11 34.52	+16 38.3	1.373	2.347	5.9	20.4
3 12	11 27.10	+18 33.7	1.372	2.345	6.4	20.4
3 22	11 19.68	+20 8.3	1.396	2.344	9.8	20.6
4 1	11 13.45	+21 14.5	1.445	2.343	13.7	20.8
4 11	11 9.32	+21 49.6	1.514	2.342	17.2	21.1

11522 1991 JF 3 11.5 279°.39 4°.1/14.9 18

2 1	11 51.08	− 8 39.0	1.648	2.396	18.5	17.8
2 11	11 48.56	− 8 50.3	1.546	2.385	15.5	17.6
2 21	11 43.35	− 8 38.6	1.463	2.373	11.9	17.3
3 2	11 35.87	− 8 2.8	1.402	2.362	7.8	17.1
3 12	11 27.03	− 7 5.7	1.366	2.350	4.4	16.8
3 22	11 17.97	− 5 53.4	1.357	2.338	5.5	16.9
4 1	11 9.94	− 4 34.8	1.374	2.327	9.6	17.1
4 11	11 4.01	− 3 19.6	1.415	2.315	14.0	17.3

500683 2012 VZ_{78} 3 11.5 145°.33 4°.8/ 5.5 17

2 1	11 52.29	+18 18.6	2.593	3.389	11.2	21.6
2 11	11 48.19	+19 13.9	2.518	3.394	8.9	21.5
2 21	11 42.28	+20 10.2	2.467	3.399	6.6	21.3
3 2	11 35.02	+21 1.6	2.444	3.403	5.0	21.2
3 12	11 27.09	+21 42.5	2.450	3.407	5.3	21.2
3 22	11 19.26	+22 8.7	2.485	3.411	7.2	21.4
4 1	11 12.26	+22 17.8	2.546	3.415	9.6	21.5
4 11	11 6.68	+22 9.6	2.631	3.419	11.8	21.7

8772 Minutus 3 11.5 206°.66 1°.7/ 9.8 18

2 1	11 55.16	+ 5 29.5	2.161	2.937	13.9	18.9
2 11	11 50.92	+ 6 9.8	2.062	2.931	10.9	18.7
2 21	11 44.47	+ 7 1.5	1.986	2.924	7.5	18.5
3 2	11 36.25	+ 8 0.2	1.937	2.916	3.7	18.2
3 12	11 27.04	+ 8 59.6	1.918	2.908	1.9	18.1
3 22	11 17.76	+ 9 53.5	1.928	2.899	5.4	18.3
4 1	11 9.37	+10 36.3	1.966	2.889	9.2	18.5
4 11	11 2.66	+11 4.4	2.030	2.879	12.7	18.7

186737 2004 CP_{26} 3 11.5 121°.56 2°.3/ 9.3 18

2 1	11 57.78	+ 4 37.7	1.729	2.512	16.5	20.3
2 11	11 53.22	+ 5 48.9	1.662	2.534	12.9	20.1
2 21	11 46.07	+ 7 15.0	1.616	2.556	8.7	19.9
3 2	11 36.99	+ 8 48.5	1.597	2.577	4.3	19.7
3 12	11 27.01	+10 20.1	1.607	2.596	2.7	19.6
3 22	11 17.26	+11 40.7	1.646	2.615	6.5	19.9
4 1	11 8.84	+12 43.5	1.713	2.633	10.6	20.1
4 11	11 2.56	+13 25.3	1.803	2.649	14.1	20.4

320265 2007 RH_7 3 11.5 117°.31 0°.3/11.8 18

2 1	11 55.83	− 0 15.0	1.826	2.593	16.4	21.7
2 11	11 51.61	+ 0 9.1	1.750	2.609	13.0	21.5
2 21	11 44.95	+ 0 49.3	1.694	2.625	9.1	21.2
3 2	11 36.45	+ 1 42.1	1.664	2.640	4.6	21.0
3 12	11 27.03	+ 2 41.3	1.662	2.655	0.3	20.7
3 22	11 17.77	+ 3 40.1	1.689	2.670	4.7	21.1
4 1	11 9.69	+ 4 31.8	1.743	2.683	9.0	21.4
4 11	11 3.58	+ 5 11.3	1.823	2.697	12.7	21.6

111005 2001 VY 3 11.5 155°.55 6°.3/ 4.2 18

2 1	11 55.63	+20 25.0	2.254	3.052	12.6	20.2
2 11	11 51.13	+21 45.8	2.185	3.060	10.1	20.1
2 21	11 44.46	+23 7.0	2.141	3.067	7.7	19.9
3 2	11 36.16	+24 20.6	2.124	3.074	6.4	19.9
3 12	11 27.05	+25 19.0	2.136	3.080	6.9	19.9
3 22	11 18.06	+25 57.0	2.176	3.085	9.0	20.0
4 1	11 10.09	+26 12.0	2.241	3.090	11.5	20.2
4 11	11 3.87	+26 4.7	2.328	3.095	13.8	20.4

6358 Chertok 3 11.5 194°.89 5°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.40	+16 58.8	2.232	3.030	12.7	17.1
2 11	11 50.25	+18 8.6	2.150	3.028	10.1	16.9
2 21	11 43.93	+19 21.8	2.092	3.026	7.4	16.7
3 2	11 35.93	+20 31.2	2.061	3.023	5.5	16.6
3 12	11 27.06	+21 29.2	2.059	3.019	5.9	16.6
3 22	11 18.20	+22 10.1	2.085	3.015	8.2	16.8
4 1	11 10.30	+22 30.4	2.138	3.010	11.0	16.9
4 11	11 4.09	+22 29.5	2.213	3.005	13.7	17.1

172510 2003 ST_{224} 3 11.5 201°.09 3°.0/ 8.6 17

2 1	11 55.50	+ 8 53.2	1.977	2.766	14.5	21.0
2 11	11 51.39	+ 9 42.5	1.886	2.763	11.4	20.8
2 21	11 44.88	+10 41.7	1.818	2.759	7.8	20.6
3 2	11 36.47	+11 45.0	1.777	2.754	4.2	20.3
3 12	11 27.03	+12 44.8	1.764	2.749	3.4	20.3
3 22	11 17.56	+13 34.4	1.780	2.743	6.6	20.4
4 1	11 9.11	+14 8.4	1.823	2.737	10.4	20.7
4 11	11 2.52	+14 24.1	1.890	2.730	13.8	20.9

336022 2007 UC_{31} 3 11.5 86°.96 2°.1/14.2 18

2 1	11 48.18	− 8 1.1	2.330	3.060	14.2	20.8
2 11	11 45.12	− 7 22.4	2.245	3.076	11.6	20.6
2 21	11 40.25	− 6 24.8	2.181	3.092	8.5	20.4
3 2	11 34.03	− 5 10.5	2.143	3.107	5.1	20.2
3 12	11 27.15	− 3 44.4	2.134	3.122	2.3	20.1
3 22	11 20.35	− 2 12.9	2.154	3.137	3.6	20.2
4 1	11 14.36	− 0 42.9	2.205	3.152	6.9	20.4
4 11	11 9.79	+ 0 39.1	2.282	3.167	10.0	20.6

296996 2010 ES_{139} 3 11.5 318°.89 1°.2/10.7 17

2 1	11 51.12	+ 3 28.9	1.280	2.093	19.6	21.1
2 11	11 49.29	+ 3 48.8	1.192	2.081	15.7	20.8
2 21	11 44.24	+ 4 27.5	1.123	2.069	10.9	20.5
3 2	11 36.45	+ 5 20.5	1.076	2.057	5.4	20.2
3 12	11 27.02	+ 6 19.3	1.054	2.046	1.5	19.9
3 22	11 17.42	+ 7 14.2	1.056	2.036	7.0	20.2
4 1	11 9.21	+ 7 55.9	1.082	2.026	12.6	20.5
4 11	11 3.61	+ 8 18.2	1.128	2.017	17.6	20.7

98093 2000 RW_{73} 3 11.5 112°.43 0°.3/11.3 18

2 1	11 57.16	+ 1 37.4	1.813	2.584	16.3	20.1
2 11	11 52.62	+ 2 3.1	1.740	2.603	12.9	19.9
2 21	11 45.62	+ 2 43.3	1.688	2.622	8.9	19.7
3 2	11 36.76	+ 3 34.0	1.663	2.641	4.4	19.5
3 12	11 27.02	+ 4 28.7	1.665	2.658	0.5	19.2
3 22	11 17.48	+ 5 20.8	1.696	2.676	5.0	19.6
4 1	11 9.18	+ 6 4.1	1.756	2.692	9.2	19.9
4 11	11 2.89	+ 6 34.4	1.839	2.708	12.9	20.1

491058 2011 QL_{65} 3 11.5 194°.60 0°.0/11.5 17

2 1	11 51.72	+ 2 14.5	3.087	3.838	10.6	22.3
2 11	11 47.44	+ 2 27.5	2.983	3.836	8.4	22.2
2 21	11 41.64	+ 2 48.7	2.904	3.833	5.8	22.0
3 2	11 34.69	+ 3 16.0	2.852	3.829	2.9	21.8
3 12	11 27.12	+ 3 46.2	2.831	3.825	0.2	21.5
3 22	11 19.54	+ 4 16.0	2.842	3.821	3.2	21.8
4 1	11 12.54	+ 4 42.2	2.882	3.816	6.2	22.0
4 11	11 6.66	+ 5 1.9	2.950	3.810	8.8	22.2

497669 2006 RP_{94} 3 11.5 119°.03 2°.3/14.7 17

2 1	11 48.55	− 8 5.3	2.726	3.444	12.6	21.9
2 11	11 45.14	− 7 45.3	2.634	3.456	10.4	21.8
2 21	11 40.14	− 7 9.9	2.564	3.468	7.7	21.6
3 2	11 33.95	− 6 20.3	2.520	3.479	4.8	21.4
3 12	11 27.16	− 5 20.0	2.505	3.491	2.5	21.3
3 22	11 20.41	− 4 13.4	2.520	3.501	3.4	21.4
4 1	11 14.35	− 3 5.7	2.565	3.512	6.1	21.5
4 11	11 9.51	− 2 2.1	2.638	3.522	8.9	21.7

415757 2000 RS 3 11.5 208°.92 5°.2/16.9 17

2 1	11 54.59	−14 9.1	2.485	3.162	14.7	21.6
2 11	11 50.31	−14 40.7	2.373	3.156	12.6	21.4
2 21	11 43.98	−14 55.0	2.281	3.149	10.1	21.2
3 2	11 36.01	−14 50.5	2.213	3.141	7.5	21.1
3 12	11 27.06	−14 27.6	2.173	3.133	5.6	20.9
3 22	11 17.97	−13 48.7	2.161	3.125	5.6	20.9
4 1	11 9.59	−12 58.5	2.178	3.116	7.6	21.0
4 11	11 2.69	−12 3.3	2.222	3.106	10.3	21.2

182524 2001 SN_{342} 3 11.6 222°.52 0°.4/11.9 17

2 1	11 51.62	− 0 50.6	2.059	2.823	14.8	21.5
2 11	11 48.26	− 0 21.6	1.958	2.817	11.9	21.3
2 21	11 42.71	+ 0 23.5	1.879	2.810	8.4	21.1
3 2	11 35.40	+ 1 21.9	1.826	2.803	4.3	20.8
3 12	11 27.09	+ 2 28.3	1.802	2.795	0.4	20.5
3 22	11 18.71	+ 3 36.0	1.806	2.788	4.4	20.8
4 1	11 11.19	+ 4 38.4	1.839	2.779	8.6	21.0
4 11	11 5.34	+ 5 29.6	1.897	2.771	12.3	21.2

95525 2002 EZ_{70} 3 11.6 258°.41 1°.7/13.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.84	− 5 20.1	2.007	2.760	15.5	19.8
2 11	11 46.10	− 4 53.6	1.910	2.758	12.6	19.6
2 21	11 41.22	− 4 7.3	1.834	2.755	9.2	19.3
3 2	11 34.65	− 3 3.3	1.783	2.753	5.3	19.1
3 12	11 27.13	− 1 46.5	1.759	2.750	1.9	18.8
3 22	11 19.57	− 0 23.9	1.764	2.748	4.2	19.0
4 1	11 12.89	+ 0 56.9	1.797	2.745	8.2	19.2
4 11	11 7.86	+ 2 8.6	1.856	2.743	11.9	19.5

99332 2001 VZ_{66} 3 11.6 209°.62 0°.1/11.4 18

2 1	11 53.82	+ 1 39.5	2.165	2.931	14.1	20.0
2 11	11 49.84	+ 1 57.2	2.066	2.926	11.3	19.8
2 21	11 43.71	+ 2 27.4	1.989	2.921	7.8	19.6
3 2	11 35.87	+ 3 7.4	1.938	2.916	3.9	19.3
3 12	11 27.08	+ 3 52.3	1.916	2.910	0.3	19.0
3 22	11 18.23	+ 4 36.7	1.924	2.904	4.4	19.3
4 1	11 10.25	+ 5 15.3	1.960	2.897	8.4	19.5
4 11	11 3.91	+ 5 43.9	2.021	2.890	11.9	19.8

421164 2013 RG_{44} 3 11.6 251°.27 4°.8/15.9 17

2 1	11 54.00	−11 16.0	2.185	2.890	15.7	21.5
2 11	11 50.24	−11 41.7	2.066	2.873	13.4	21.2
2 21	11 44.19	−11 49.3	1.966	2.854	10.5	21.0
3 2	11 36.22	−11 37.3	1.891	2.835	7.5	20.8
3 12	11 27.06	−11 6.5	1.842	2.816	5.1	20.6
3 22	11 17.62	−10 20.0	1.822	2.796	5.4	20.6
4 1	11 8.91	− 9 23.4	1.830	2.775	8.3	20.7
4 11	11 1.85	− 8 23.7	1.864	2.754	11.7	20.9

500601 2012 UD_{120} 3 11.6 123°.05 3°.9/16.3 17

2 1	11 50.22	−11 45.3	2.608	3.305	13.6	21.9
2 11	11 46.60	−11 56.2	2.512	3.314	11.5	21.7
2 21	11 41.24	−11 50.4	2.437	3.321	8.9	21.5
3 2	11 34.55	−11 28.0	2.387	3.329	6.3	21.4
3 12	11 27.16	−10 50.9	2.365	3.337	4.2	21.3
3 22	11 19.77	−10 2.5	2.371	3.344	4.4	21.3
4 1	11 13.10	− 9 7.7	2.407	3.351	6.6	21.4
4 11	11 7.76	− 8 12.1	2.469	3.358	9.2	21.6

321813 2010 RD_{14} 3 11.6 175°.92 0°.2/11.7 17

2 1	11 54.11	− 0 13.7	2.215	2.971	14.1	21.9
2 11	11 49.96	+ 0 16.4	2.120	2.974	11.3	21.7
2 21	11 43.72	+ 1 0.9	2.047	2.976	7.9	21.5
3 2	11 35.85	+ 1 56.7	2.002	2.978	4.0	21.2
3 12	11 27.10	+ 2 58.7	1.985	2.979	0.2	20.9
3 22	11 18.34	+ 4 0.9	1.999	2.979	4.2	21.3
4 1	11 10.46	+ 4 57.2	2.041	2.978	8.1	21.5
4 11	11 4.20	+ 5 42.9	2.110	2.977	11.5	21.7

78046 2002 JS_{118} 3 11.6 257°.25 5°.6/ 5.6 17

2 1	11 53.24	+13 37.1	1.851	2.658	14.6	20.1
2 11	11 50.04	+15 6.9	1.753	2.639	11.6	19.8
2 21	11 44.26	+16 47.4	1.678	2.618	8.3	19.6
3 2	11 36.32	+18 29.8	1.629	2.598	5.9	19.4
3 12	11 27.07	+20 3.5	1.609	2.576	6.4	19.4
3 22	11 17.61	+21 19.0	1.616	2.554	9.4	19.5
4 1	11 9.11	+22 9.6	1.648	2.532	13.1	19.7
4 11	11 2.57	+22 32.8	1.702	2.509	16.5	19.8

38446 1999 SK_{17} 3 11.6 177°.91 2°.0/ 9.4 17

2 1	11 55.52	+ 8 28.8	2.479	3.253	12.3	19.8
2 11	11 50.79	+ 8 54.4	2.387	3.255	9.7	19.6
2 21	11 44.13	+ 9 26.7	2.319	3.256	6.6	19.4
3 2	11 36.00	+10 1.7	2.279	3.257	3.4	19.2
3 12	11 27.10	+10 34.5	2.269	3.257	2.2	19.1
3 22	11 18.23	+11 0.8	2.289	3.257	5.0	19.3
4 1	11 10.19	+11 17.0	2.339	3.256	8.2	19.5
4 11	11 3.65	+11 21.2	2.414	3.255	11.2	19.7

395407 2011 SG_{138} 3 11.6 256°.74 1°.3/10.6 18

2 1	11 56.71	+ 4 37.4	1.571	2.362	17.5	21.6
2 11	11 53.14	+ 4 52.0	1.475	2.351	14.0	21.3
2 21	11 46.58	+ 5 20.5	1.399	2.339	9.7	21.0
3 2	11 37.54	+ 5 59.0	1.347	2.327	4.8	20.7
3 12	11 27.01	+ 6 40.6	1.322	2.314	1.5	20.4
3 22	11 16.31	+ 7 17.9	1.324	2.302	6.3	20.7
4 1	11 6.81	+ 7 44.3	1.352	2.289	11.3	21.0
4 11	10 59.65	+ 7 55.2	1.403	2.276	15.8	21.2

1472 Muonio 3 11.6 155°.67 2°.3/ 9.6 18 R

2 1	11 58.12	+ 6 34.8	1.844	2.626	15.6	16.6
2 11	11 53.49	+ 7 16.4	1.762	2.635	12.3	16.4
2 21	11 46.32	+ 8 9.5	1.703	2.643	8.4	16.1
3 2	11 37.19	+ 9 8.5	1.671	2.650	4.2	15.9
3 12	11 27.04	+10 5.9	1.667	2.656	2.5	15.8
3 22	11 16.99	+10 54.8	1.692	2.662	6.2	16.0
4 1	11 8.14	+11 29.5	1.744	2.666	10.2	16.3
4 11	11 1.33	+11 47.3	1.821	2.670	13.8	16.5

299336 2005 RG_7 3 11.6 193°.56 1°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.99	− 5 25.5	2.983	3.708	11.5	21.2
2 11	11 45.41	− 5 13.7	2.877	3.706	9.4	21.1
2 21	11 40.32	− 4 49.3	2.794	3.704	6.9	20.9
3 2	11 34.06	− 4 13.5	2.737	3.702	4.1	20.7
3 12	11 27.19	− 3 29.1	2.710	3.699	1.8	20.5
3 22	11 20.28	− 2 39.7	2.714	3.696	3.1	20.6
4 1	11 13.96	− 1 49.5	2.748	3.692	5.9	20.8
4 11	11 8.74	− 1 2.8	2.808	3.688	8.5	21.0

419227 2009 VL_7 3 11.6 102°.08 4°.0/ 7.7 18

2 1	11 56.10	+13 22.4	2.057	2.851	13.8	21.1
2 11	11 51.53	+14 7.0	1.988	2.867	10.8	21.0
2 21	11 44.74	+14 56.0	1.943	2.882	7.5	20.8
3 2	11 36.30	+15 43.2	1.925	2.897	4.7	20.6
3 12	11 27.10	+16 21.8	1.935	2.912	4.4	20.6
3 22	11 18.10	+16 46.7	1.974	2.926	7.0	20.8
4 1	11 10.23	+16 55.1	2.040	2.940	10.1	21.0
4 11	11 4.19	+16 46.2	2.129	2.954	13.0	21.3

151765 2003 EB_{19} 3 11.6 123°.13 0°.7/10.8 18

2 1	11 50.84	+ 1 17.2	1.939	2.717	15.1	20.3
2 11	11 47.66	+ 2 5.5	1.855	2.724	12.0	20.1
2 21	11 42.26	+ 3 9.7	1.793	2.730	8.2	19.9
3 2	11 35.15	+ 4 25.2	1.757	2.737	4.0	19.7
3 12	11 27.15	+ 5 45.1	1.750	2.743	0.9	19.4
3 22	11 19.20	+ 7 1.6	1.771	2.749	5.0	19.8
4 1	11 12.24	+ 8 7.8	1.820	2.755	9.1	20.0
4 11	11 7.03	+ 8 58.6	1.894	2.760	12.6	20.2

99641 2002 GN_{142} 3 11.6 195°.00 1°.9/ 9.7 18

2 1	11 54.70	+ 5 39.0	1.972	2.755	14.8	20.5
2 11	11 50.75	+ 6 22.1	1.881	2.753	11.6	20.3
2 21	11 44.45	+ 7 17.4	1.811	2.751	7.9	20.0
3 2	11 36.29	+ 8 20.0	1.768	2.748	3.9	19.8
3 12	11 27.10	+ 9 22.9	1.754	2.744	2.2	19.7
3 22	11 17.88	+10 19.1	1.769	2.740	5.8	19.9
4 1	11 9.67	+11 2.7	1.811	2.735	9.8	20.1
4 11	11 3.28	+11 30.0	1.877	2.730	13.4	20.3

363864 2005 RT_{24} 3 11.6 123°.59 3°.2/ 7.3 18

2 1	11 55.75	+12 34.7	2.783	3.560	11.0	22.3
2 11	11 50.59	+13 34.6	2.716	3.585	8.6	22.1
2 21	11 43.75	+14 38.4	2.675	3.610	5.9	22.0
3 2	11 35.72	+15 40.8	2.663	3.633	3.7	21.9
3 12	11 27.14	+16 36.5	2.682	3.656	3.6	21.9
3 22	11 18.72	+17 21.0	2.732	3.678	5.7	22.1
4 1	11 11.14	+17 51.6	2.811	3.698	8.2	22.3
4 11	11 4.94	+18 7.1	2.915	3.718	10.4	22.4

425276 2009 WG_{168} 3 11.6 191°.20 2°.0/13.7 17

2 1	11 50.80	− 5 19.1	2.095	2.841	15.2	22.0
2 11	11 47.55	− 5 5.9	1.998	2.841	12.4	21.8
2 21	11 42.17	− 4 34.9	1.922	2.840	9.0	21.6
3 2	11 35.12	− 3 47.6	1.871	2.839	5.3	21.4
3 12	11 27.16	− 2 48.1	1.848	2.838	2.2	21.1
3 22	11 19.15	− 1 42.0	1.854	2.836	4.1	21.3
4 1	11 12.01	− 0 36.3	1.887	2.835	7.9	21.5
4 11	11 6.50	+ 0 22.8	1.947	2.833	11.4	21.7

457667 2009 DJ_{34} 3 11.6 288°.44 2°.1/ 9.8 17

2 1	11 51.24	+ 4 44.9	1.591	2.392	16.9	21.6
2 11	11 48.82	+ 5 28.1	1.489	2.372	13.5	21.3
2 21	11 43.63	+ 6 28.3	1.409	2.353	9.3	21.0
3 2	11 36.09	+ 7 40.5	1.353	2.333	4.6	20.7
3 12	11 27.10	+ 8 56.3	1.323	2.314	2.4	20.5
3 22	11 17.87	+10 6.2	1.320	2.294	6.9	20.7
4 1	11 9.69	+11 1.5	1.343	2.275	11.8	20.9
4 11	11 3.66	+11 36.5	1.387	2.256	16.2	21.2

80918 2000 DY_{67} 3 11.6 231°.32 0°.0/11.4 17

2 1	11 52.26	+ 0 26.5	1.956	2.727	15.3	20.5
2 11	11 48.91	+ 0 54.2	1.857	2.720	12.2	20.2
2 21	11 43.25	+ 1 37.9	1.779	2.712	8.5	20.0
3 2	11 35.72	+ 2 34.1	1.727	2.705	4.3	19.7
3 12	11 27.13	+ 3 37.4	1.703	2.696	0.2	19.4
3 22	11 18.45	+ 4 40.8	1.707	2.688	4.8	19.7
4 1	11 10.69	+ 5 37.4	1.740	2.679	9.1	20.0
4 11	11 4.70	+ 6 21.9	1.797	2.670	12.9	20.2

95727 2003 DV_5 3 11.6 291°.49 2°.6/ 9.6 18

2 1	11 52.08	+ 5 40.8	1.415	2.226	18.2	20.1
2 11	11 49.88	+ 6 22.2	1.318	2.206	14.5	19.8
2 21	11 44.60	+ 7 21.3	1.241	2.187	10.0	19.5
3 2	11 36.67	+ 8 32.4	1.186	2.167	5.1	19.2
3 12	11 27.08	+ 9 46.0	1.158	2.148	3.0	19.0
3 22	11 17.21	+10 51.8	1.155	2.129	7.7	19.2
4 1	11 8.53	+11 40.3	1.176	2.110	13.0	19.4
4 11	11 2.30	+12 5.9	1.218	2.091	17.8	19.7

107217 2001 BM_{45} 3 11.6 11°.96 6°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.99	− 8 27.0	1.183	1.960	22.9	19.0
2 11	11 50.10	− 9 46.5	1.111	1.963	19.3	18.8
2 21	11 44.83	−10 42.9	1.055	1.968	15.1	18.5
3 2	11 36.75	−11 12.0	1.018	1.974	10.6	18.3
3 12	11 27.09	−11 13.6	1.004	1.981	7.2	18.1
3 22	11 17.43	−10 51.7	1.013	1.990	7.8	18.2
4 1	11 9.38	−10 14.8	1.044	2.000	11.6	18.4
4 11	11 4.14	− 9 33.5	1.097	2.011	15.8	18.7

393299 2013 YM_{68} 3 11.6 333°.90 2°.9/14.5 17

2 1	11 51.11	− 6 20.9	2.306	3.039	14.3	20.7
2 11	11 47.59	− 6 37.3	2.206	3.038	11.8	20.5
2 21	11 42.11	− 6 38.9	2.127	3.036	8.8	20.3
3 2	11 35.07	− 6 26.1	2.074	3.034	5.6	20.1
3 12	11 27.17	− 6 1.0	2.048	3.033	3.1	20.0
3 22	11 19.23	− 5 27.3	2.051	3.031	4.1	20.0
4 1	11 12.06	− 4 49.9	2.082	3.030	7.2	20.2
4 11	11 6.38	− 4 13.9	2.140	3.029	10.4	20.4

67875 2000 WX_{36} 3 11.6 175°.41 2°.0/ 9.5 18

2 1	11 53.72	+ 4 56.9	1.951	2.735	14.9	19.1
2 11	11 49.97	+ 5 55.1	1.864	2.737	11.7	18.9
2 21	11 43.90	+ 7 7.1	1.799	2.739	7.9	18.6
3 2	11 36.01	+ 8 27.3	1.761	2.741	3.9	18.4
3 12	11 27.14	+ 9 47.8	1.752	2.741	2.3	18.3
3 22	11 18.28	+11 0.7	1.772	2.741	5.9	18.5
4 1	11 10.43	+11 59.6	1.819	2.741	9.9	18.7
4 11	11 4.39	+12 40.4	1.891	2.740	13.4	18.9

83858 2001 UD_{65} 3 11.6 128°.01 1°.5/ 9.7 18

2 1	11 51.68	+ 6 47.7	2.644	3.419	11.6	20.1
2 11	11 47.61	+ 7 17.4	2.560	3.429	9.1	19.9
2 21	11 41.85	+ 7 54.4	2.501	3.438	6.1	19.7
3 2	11 34.83	+ 8 35.0	2.469	3.448	3.1	19.6
3 12	11 27.20	+ 9 14.7	2.467	3.457	1.7	19.5
3 22	11 19.64	+ 9 49.3	2.495	3.466	4.4	19.7
4 1	11 12.83	+10 15.2	2.552	3.474	7.4	19.9
4 11	11 7.35	+10 30.2	2.635	3.482	10.1	20.1

108813 2001 OH_{75} 3 11.6 177°.41 3°.9/ 7.7 18

2 1	11 54.59	+11 32.9	1.989	2.785	14.2	19.9
2 11	11 50.61	+12 27.6	1.906	2.786	11.1	19.7
2 21	11 44.31	+13 29.8	1.846	2.787	7.7	19.5
3 2	11 36.20	+14 33.0	1.813	2.788	4.6	19.3
3 12	11 27.14	+15 29.5	1.809	2.788	4.3	19.3
3 22	11 18.12	+16 12.8	1.833	2.788	7.2	19.5
4 1	11 10.16	+16 38.5	1.883	2.787	10.7	19.7
4 11	11 4.03	+16 44.9	1.957	2.786	13.8	19.9

141182 2001 XC_{169} 3 11.6 357°.12 3°.3/ 7.9 18

2 1	11 48.53	+10 12.5	2.052	2.856	13.5	19.3
2 11	11 45.79	+11 4.9	1.969	2.854	10.5	19.1
2 21	11 40.95	+12 5.5	1.909	2.853	7.2	18.9
3 2	11 34.51	+13 8.4	1.875	2.852	4.1	18.7
3 12	11 27.22	+14 6.7	1.869	2.851	3.7	18.7
3 22	11 19.96	+14 54.0	1.891	2.851	6.6	18.9
4 1	11 13.62	+15 25.5	1.940	2.852	10.0	19.1
4 11	11 8.90	+15 39.1	2.012	2.852	13.1	19.3

13509 Guayaquil 3 11.6 261°.52 2°.7/13.9 18

2 1	11 52.24	− 5 28.9	1.809	2.562	17.0	18.6
2 11	11 49.18	− 5 31.8	1.706	2.552	14.0	18.4
2 21	11 43.62	− 5 15.5	1.624	2.542	10.4	18.1
3 2	11 36.00	− 4 40.3	1.565	2.532	6.3	17.9
3 12	11 27.15	− 3 49.7	1.533	2.522	2.8	17.6
3 22	11 18.14	− 2 49.8	1.529	2.512	4.8	17.7
4 1	11 10.09	− 1 47.9	1.552	2.501	9.0	18.0
4 11	11 3.96	− 0 51.7	1.599	2.491	13.1	18.2

412110 2013 GY_{11} 3 11.6 285°.66 4°.7/15.2 16

2 1	11 51.18	− 9 3.6	1.539	2.292	19.5	21.4
2 11	11 48.96	− 9 22.3	1.434	2.275	16.5	21.2
2 21	11 43.87	− 9 16.8	1.347	2.258	12.7	20.9
3 2	11 36.29	− 8 45.4	1.282	2.241	8.4	20.6
3 12	11 27.13	− 7 49.9	1.240	2.224	5.0	20.3
3 22	11 17.63	− 6 36.2	1.225	2.206	6.0	20.3
4 1	11 9.18	− 5 13.9	1.235	2.189	10.3	20.5
4 11	11 2.97	− 3 53.9	1.268	2.173	15.0	20.7

382830 2003 YA_{181} 3 11.6 20°.29 6°.1/ 5.0 18

2 1	11 49.60	+16 45.9	1.869	2.686	14.1	20.0
2 11	11 46.86	+18 7.5	1.800	2.690	11.1	19.8
2 21	11 41.79	+19 33.0	1.755	2.694	8.2	19.6
3 2	11 34.95	+20 53.9	1.735	2.698	6.2	19.5
3 12	11 27.21	+22 1.1	1.743	2.703	6.8	19.6
3 22	11 19.58	+22 47.9	1.777	2.708	9.3	19.7
4 1	11 13.04	+23 10.5	1.835	2.714	12.3	19.9
4 11	11 8.34	+23 8.8	1.915	2.720	15.0	20.1

396244 2014 BU_{42} 3 11.6 244°.82 2°.8/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.78	− 6 36.6	2.448	3.177	13.7	20.9
2 11	11 47.22	− 6 47.8	2.346	3.175	11.3	20.8
2 21	11 41.79	− 6 44.5	2.266	3.173	8.4	20.6
3 2	11 34.91	− 6 27.3	2.212	3.171	5.3	20.4
3 12	11 27.22	− 5 58.2	2.185	3.170	2.9	20.2
3 22	11 19.49	− 5 21.1	2.188	3.168	3.9	20.3
4 1	11 12.48	− 4 40.6	2.219	3.166	6.9	20.4
4 11	11 6.87	− 4 1.6	2.276	3.164	9.9	20.6

419719 2010 VB_{18} 3 11.6 260°.94 3°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.18	+ 8 52.6	1.881	2.676	14.9	21.9
2 11	11 50.71	+ 9 44.9	1.776	2.656	11.8	21.7
2 21	11 44.70	+10 49.0	1.693	2.635	8.2	21.4
3 2	11 36.56	+11 59.1	1.636	2.614	4.5	21.1
3 12	11 27.14	+13 6.9	1.607	2.592	3.7	21.0
3 22	11 17.49	+14 4.4	1.607	2.570	7.2	21.2
4 1	11 8.77	+14 45.1	1.633	2.547	11.4	21.4
4 11	11 1.96	+15 5.4	1.682	2.524	15.2	21.6

321253 2009 CV_{57} 3 11.6 263°.79 4°.2/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.74	+16 19.9	2.457	3.246	12.0	20.5
2 11	11 51.13	+16 49.9	2.361	3.235	9.5	20.3
2 21	11 44.47	+17 21.7	2.289	3.223	6.8	20.1
3 2	11 36.24	+17 50.2	2.244	3.211	4.6	20.0
3 12	11 27.16	+18 9.8	2.229	3.199	4.6	20.0
3 22	11 18.08	+18 16.6	2.243	3.187	6.8	20.1
4 1	11 9.83	+18 8.0	2.284	3.175	9.6	20.2
4 11	11 3.15	+17 43.5	2.350	3.163	12.3	20.4

48804 1997 UE_{12} 3 11.6 159°.40 0°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.49	+ 2 58.3	2.481	3.248	12.5	20.8
2 11	11 47.65	+ 3 24.2	2.389	3.252	9.9	20.6
2 21	11 42.00	+ 4 0.5	2.321	3.255	6.8	20.4
3 2	11 34.97	+ 4 43.9	2.280	3.259	3.3	20.2
3 12	11 27.22	+ 5 30.0	2.269	3.262	0.7	20.0
3 22	11 19.50	+ 6 14.0	2.287	3.264	4.1	20.2
4 1	11 12.54	+ 6 51.4	2.334	3.267	7.5	20.5
4 11	11 6.98	+ 7 18.8	2.408	3.269	10.5	20.6

12177 Raharto 3 11.6 340°.90 2°.6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.08	+ 5 59.0	1.413	2.226	18.1	18.5
2 11	11 48.84	+ 6 40.0	1.332	2.222	14.3	18.3
2 21	11 43.66	+ 7 36.9	1.271	2.217	9.7	18.0
3 2	11 36.08	+ 8 43.4	1.233	2.214	4.9	17.7
3 12	11 27.17	+ 9 49.9	1.220	2.210	2.9	17.6
3 22	11 18.25	+10 47.1	1.234	2.208	7.3	17.8
4 1	11 10.65	+11 27.0	1.272	2.205	12.2	18.1
4 11	11 5.43	+11 45.4	1.331	2.203	16.5	18.3

52701 1998 FL_{69} 3 11.6 0°.79 0°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.64	+ 3 4.5	2.047	2.831	14.2	19.0
2 11	11 45.86	+ 3 33.6	1.958	2.831	11.2	18.8
2 21	11 41.01	+ 4 15.4	1.891	2.830	7.7	18.6
3 2	11 34.56	+ 5 6.0	1.851	2.830	3.8	18.3
3 12	11 27.25	+ 5 59.9	1.838	2.831	0.9	18.1
3 22	11 19.95	+ 6 50.8	1.853	2.831	4.8	18.4
4 1	11 13.53	+ 7 33.3	1.896	2.832	8.6	18.6
4 11	11 8.72	+ 8 3.3	1.963	2.834	12.1	18.9

222246 2000 NT_{6} 3 11.6 242°.70 0°.3/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.29	− 0 41.7	2.305	3.060	13.7	21.5
2 11	11 48.65	− 0 14.0	2.190	3.044	11.0	21.3
2 21	11 42.95	+ 0 28.4	2.098	3.026	7.8	21.1
3 2	11 35.58	+ 1 23.0	2.033	3.008	4.0	20.8
3 12	11 27.21	+ 2 25.5	1.996	2.990	0.3	20.5
3 22	11 18.66	+ 3 29.8	1.990	2.971	4.1	20.7
4 1	11 10.83	+ 4 30.0	2.012	2.951	8.1	20.9
4 11	11 4.49	+ 5 20.7	2.061	2.930	11.6	21.1

434992 2006 UB_{209} 3 11.6 185°.42 0°.8/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.52	+ 3 41.8	2.674	3.443	11.6	22.2
2 11	11 46.00	+ 4 15.2	2.578	3.443	9.2	22.1
2 21	11 40.82	+ 4 58.3	2.507	3.442	6.2	21.9
3 2	11 34.38	+ 5 47.8	2.463	3.442	3.0	21.6
3 12	11 27.27	+ 6 39.2	2.449	3.441	1.0	21.5
3 22	11 20.15	+ 7 27.9	2.464	3.440	4.0	21.7
4 1	11 13.72	+ 8 9.5	2.509	3.439	7.2	21.9
4 11	11 8.53	+ 8 40.9	2.580	3.437	10.0	22.1

381510 2008 SW_{162} 3 11.6 177°.16 1°.8/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.10	+ 7 44.8	2.642	3.414	11.7	22.1
2 11	11 49.57	+ 8 15.9	2.550	3.416	9.2	21.9
2 21	11 43.26	+ 8 54.1	2.481	3.418	6.2	21.7
3 2	11 35.59	+ 9 35.5	2.441	3.419	3.2	21.5
3 12	11 27.22	+10 15.3	2.431	3.420	2.0	21.4
3 22	11 18.87	+10 49.3	2.452	3.420	4.7	21.6
4 1	11 11.27	+11 13.9	2.502	3.419	7.8	21.8
4 11	11 5.04	+11 26.7	2.577	3.418	10.6	22.0

51827 Laurelclark 3 11.6 49°.98 2°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.81	+ 8 22.8	1.963	2.752	14.6	18.6
2 11	11 50.65	+ 8 37.0	1.889	2.765	11.4	18.4
2 21	11 44.23	+ 8 58.7	1.837	2.778	7.7	18.2
3 2	11 36.12	+ 9 23.2	1.812	2.791	3.9	18.0
3 12	11 27.20	+ 9 45.4	1.814	2.804	2.3	17.9
3 22	11 18.45	+10 0.4	1.846	2.817	5.5	18.1
4 1	11 10.82	+10 4.7	1.904	2.831	9.2	18.4
4 11	11 5.01	+ 9 56.4	1.987	2.845	12.5	18.6

207343 2005 JG_{26} 3 11.6 263°.61 3°.5/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.74	+11 50.1	2.469	3.262	11.8	20.9
2 11	11 47.28	+12 45.5	2.365	3.244	9.3	20.7
2 21	11 41.91	+13 47.8	2.285	3.225	6.5	20.5
3 2	11 35.01	+14 51.8	2.233	3.206	4.0	20.3
3 12	11 27.24	+15 51.1	2.210	3.187	3.9	20.3
3 22	11 19.37	+16 40.2	2.216	3.168	6.4	20.4
4 1	11 12.19	+17 14.5	2.250	3.148	9.4	20.6
4 11	11 6.41	+17 31.9	2.308	3.128	12.3	20.7

46870 1998 QC_{100} 3 11.6 261°.04 2°.6/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.12	+ 6 15.4	1.851	2.645	15.2	19.1
2 11	11 49.07	+ 7 11.1	1.749	2.628	12.0	18.8
2 21	11 43.55	+ 8 21.4	1.668	2.611	8.2	18.6
3 2	11 35.99	+ 9 40.6	1.614	2.594	4.2	18.3
3 12	11 27.20	+11 0.5	1.588	2.576	3.0	18.2
3 22	11 18.22	+12 12.7	1.589	2.558	6.7	18.3
4 1	11 10.17	+13 9.6	1.618	2.539	11.0	18.6
4 11	11 4.00	+13 46.6	1.669	2.520	14.8	18.7

110093 2001 SJ_{121} 3 11.6 1°.34 3°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.72	− 3 58.6	1.435	2.212	19.6	18.5
2 11	11 50.12	− 4 39.0	1.351	2.210	16.1	18.2
2 21	11 44.55	− 5 0.9	1.285	2.209	12.0	18.0
3 2	11 36.55	− 5 4.0	1.241	2.209	7.3	17.7
3 12	11 27.17	− 4 50.7	1.222	2.210	3.7	17.5
3 22	11 17.75	− 4 25.9	1.229	2.212	5.6	17.6
4 1	11 9.63	− 3 56.6	1.260	2.215	10.2	17.9
4 11	11 3.90	− 3 30.2	1.315	2.218	14.6	18.1

468836 2012 UR_{8} 3 11.6 133°.64 0°.0/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.72	+ 0 19.0	2.705	3.461	11.9	22.1
2 11	11 46.07	+ 0 53.4	2.617	3.472	9.4	21.9
2 21	11 40.81	+ 1 39.3	2.552	3.482	6.5	21.7
3 2	11 34.35	+ 2 33.5	2.515	3.492	3.2	21.5
3 12	11 27.29	+ 3 31.8	2.508	3.502	0.1	21.3
3 22	11 20.27	+ 4 29.5	2.531	3.511	3.5	21.6
4 1	11 13.95	+ 5 21.8	2.584	3.520	6.7	21.8
4 11	11 8.86	+ 6 5.2	2.663	3.528	9.5	22.0

51418 2001 EO_{17} 3 11.6 208°.41 18°.3/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 10.10	+41 40.6	1.294	2.085	20.6	18.8
2 11	12 5.45	+44 6.2	1.254	2.083	19.1	18.7
2 21	11 55.90	+46 10.5	1.233	2.080	18.3	18.6
3 2	11 42.37	+47 34.4	1.230	2.077	18.5	18.6
3 12	11 26.93	+48 3.8	1.246	2.073	19.7	18.7
3 22	11 12.13	+47 34.6	1.279	2.069	21.5	18.8
4 1	11 0.25	+46 11.9	1.328	2.065	23.5	18.9
4 11	10 52.57	+44 6.9	1.389	2.060	25.4	19.0

498196 2007 TZ_{328} 3 11.6 162°.67 3°.0/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.10	− 9 1.1	2.579	3.292	13.4	21.5
2 11	11 46.57	− 8 59.0	2.479	3.296	11.1	21.4
2 21	11 41.28	− 8 40.9	2.400	3.299	8.4	21.2
3 2	11 34.64	− 8 7.3	2.347	3.301	5.5	21.0
3 12	11 27.28	− 7 20.9	2.322	3.304	3.2	20.8
3 22	11 19.90	− 6 25.6	2.327	3.306	3.8	20.9
4 1	11 13.23	− 5 26.7	2.361	3.308	6.5	21.1
4 11	11 7.87	− 4 29.6	2.422	3.309	9.4	21.2

288567 2004 HK_{26} 3 11.6 257°.45 3°.3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.91	−11 16.7	2.646	3.350	13.3	20.7
2 11	11 44.93	−11 4.8	2.528	3.336	11.2	20.5
2 21	11 40.23	−10 34.9	2.431	3.322	8.6	20.3
3 2	11 34.16	− 9 47.3	2.359	3.308	5.9	20.1
3 12	11 27.31	− 8 44.3	2.315	3.293	3.6	20.0
3 22	11 20.33	− 7 30.2	2.301	3.278	4.0	20.0
4 1	11 13.97	− 6 10.5	2.315	3.263	6.6	20.1
4 11	11 8.84	− 4 51.8	2.358	3.248	9.5	20.2

369376 2009 UB_{137} 3 11.6 162°.25 4°.6/17.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.71	−14 40.5	2.722	3.390	13.7	22.5
2 11	11 49.32	−14 54.7	2.620	3.398	11.7	22.4
2 21	11 43.13	−14 51.6	2.539	3.405	9.3	22.2
3 2	11 35.57	−14 30.5	2.483	3.411	6.9	22.1
3 12	11 27.25	−13 52.7	2.455	3.416	4.9	21.9
3 22	11 18.92	−13 1.3	2.456	3.421	4.9	21.9
4 1	11 11.30	−12 1.2	2.486	3.425	6.7	22.1
4 11	11 5.03	−10 58.2	2.544	3.428	9.2	22.2

168266 2006 QJ_{46} 3 11.6 299°.25 0°.4/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.01	+ 3 31.3	2.127	2.901	14.1	19.9
2 11	11 49.30	+ 3 35.2	2.027	2.893	11.2	19.6
2 21	11 43.41	+ 3 49.5	1.950	2.885	7.8	19.4
3 2	11 35.81	+ 4 11.3	1.899	2.877	3.9	19.1
3 12	11 27.24	+ 4 36.5	1.876	2.869	0.5	18.9
3 22	11 18.61	+ 5 0.4	1.882	2.862	4.5	19.2
4 1	11 10.84	+ 5 18.5	1.916	2.854	8.5	19.4
4 11	11 4.72	+ 5 27.4	1.975	2.847	12.0	19.6

378844 2008 TX_{15} 3 11.6 173°.08 1°.2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.99	− 2 24.9	2.316	3.065	13.8	22.0
2 11	11 48.24	− 2 12.6	2.220	3.067	11.1	21.9
2 21	11 42.53	− 1 46.3	2.145	3.068	7.9	21.7
3 2	11 35.30	− 1 7.8	2.097	3.070	4.4	21.4
3 12	11 27.26	− 0 21.1	2.078	3.070	1.2	21.2
3 22	11 19.21	+ 0 28.9	2.089	3.071	3.8	21.4
4 1	11 11.96	+ 1 16.8	2.128	3.071	7.4	21.6
4 11	11 6.20	+ 1 57.9	2.193	3.071	10.7	21.8

203458 2001 YU_{105} 3 11.6 134°.05 1°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.76	− 2 19.5	1.782	2.543	16.9	21.2
2 11	11 51.74	− 2 0.2	1.700	2.554	13.6	21.0
2 21	11 45.21	− 1 22.8	1.639	2.566	9.6	20.8
3 2	11 36.71	− 0 29.9	1.602	2.576	5.2	20.5
3 12	11 27.21	+ 0 32.6	1.594	2.586	1.1	20.2
3 22	11 17.79	+ 1 37.6	1.613	2.596	4.6	20.5
4 1	11 9.55	+ 2 37.6	1.661	2.605	9.1	20.8
4 11	11 3.32	+ 3 26.6	1.733	2.613	12.9	21.0

224358 2005 UE_{116} 3 11.6 227°.29 0°.9/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.49	+ 3 49.9	2.356	3.122	13.1	21.9
2 11	11 50.28	+ 4 16.9	2.247	3.109	10.4	21.7
2 21	11 44.02	+ 4 54.9	2.162	3.096	7.2	21.5
3 2	11 36.10	+ 5 40.6	2.104	3.082	3.5	21.2
3 12	11 27.23	+ 6 29.0	2.075	3.068	1.0	21.0
3 22	11 18.24	+ 7 14.9	2.077	3.053	4.6	21.2
4 1	11 10.01	+ 7 53.2	2.108	3.037	8.3	21.4
4 11	11 3.28	+ 8 20.1	2.164	3.021	11.7	21.6

87963 2000 TK_{21} 3 11.6 193°.22 4°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.20	+15 35.4	2.581	3.378	11.2	19.8
2 11	11 46.66	+16 38.5	2.498	3.377	8.8	19.6
2 21	11 41.34	+17 45.1	2.440	3.376	6.3	19.5
3 2	11 34.67	+18 49.4	2.410	3.375	4.5	19.3
3 12	11 27.31	+19 45.2	2.409	3.374	4.8	19.4
3 22	11 19.96	+20 27.7	2.437	3.372	6.9	19.5
4 1	11 13.37	+20 53.7	2.492	3.371	9.4	19.6
4 11	11 8.15	+21 2.1	2.570	3.369	11.8	19.8

234860 2002 RL_{253} 3 11.6 10°.81 1°.3/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.75	− 1 53.3	2.131	2.889	14.6	21.0
2 11	11 48.25	− 1 52.7	2.037	2.889	11.8	20.8
2 21	11 42.65	− 1 38.0	1.964	2.889	8.4	20.6
3 2	11 35.41	− 1 11.1	1.917	2.889	4.7	20.3
3 12	11 27.27	− 0 35.6	1.897	2.889	1.4	20.1
3 22	11 19.12	+ 0 3.7	1.907	2.890	4.0	20.3
4 1	11 11.84	+ 0 41.5	1.944	2.890	7.8	20.5
4 11	11 6.17	+ 1 12.9	2.007	2.890	11.3	20.7

16075 Meglass 3 11.6 111°.05 0°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.41	+ 0 58.9	1.839	2.612	16.0	19.2
2 11	11 50.50	+ 1 43.7	1.765	2.630	12.6	19.0
2 21	11 44.22	+ 2 44.6	1.713	2.648	8.7	18.8
3 2	11 36.17	+ 3 56.7	1.686	2.665	4.2	18.5
3 12	11 27.25	+ 5 12.9	1.688	2.682	0.7	18.3
3 22	11 18.49	+ 6 25.3	1.720	2.698	5.0	18.7
4 1	11 10.88	+ 7 27.1	1.778	2.713	9.2	18.9
4 11	11 5.19	+ 8 13.5	1.862	2.728	12.8	19.2

133114 2003 OA_{23} 3 11.6 223°.42 0°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.27	− 1 50.3	1.986	2.743	15.5	20.9
2 11	11 50.54	− 1 31.4	1.881	2.734	12.6	20.7
2 21	11 44.44	− 0 55.6	1.797	2.724	8.9	20.5
3 2	11 36.40	− 0 5.2	1.739	2.713	4.8	20.2
3 12	11 27.23	+ 0 55.1	1.709	2.702	0.9	19.9
3 22	11 17.91	+ 1 58.8	1.708	2.690	4.5	20.1
4 1	11 9.49	+ 2 59.0	1.735	2.677	8.8	20.3
4 11	11 2.85	+ 3 49.3	1.787	2.664	12.8	20.5

461721 2005 SF_{211} 3 11.6 25°.27 5°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 5.31	+19 16.5	1.764	2.557	15.8	20.1
2 11	11 59.38	+19 32.1	1.685	2.558	12.7	19.9
2 21	11 50.51	+19 46.2	1.628	2.559	9.3	19.7
3 2	11 39.37	+19 51.2	1.596	2.560	6.5	19.6
3 12	11 27.12	+19 40.5	1.593	2.562	6.3	19.5
3 22	11 15.11	+19 10.1	1.618	2.563	8.9	19.7
4 1	11 4.63	+18 19.6	1.669	2.565	12.3	19.9
4 11	10 56.60	+17 11.3	1.744	2.566	15.6	20.1

326707 2003 BM_{76} 3 11.6 335°.40 7°.4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.97	+19 11.7	1.590	2.409	16.1	19.7
2 11	11 51.68	+20 14.1	1.515	2.403	12.9	19.5
2 21	11 45.47	+21 18.6	1.462	2.398	9.7	19.3
3 2	11 36.95	+22 15.3	1.432	2.393	7.6	19.1
3 12	11 27.22	+22 54.4	1.429	2.388	8.0	19.1
3 22	11 17.57	+23 8.9	1.451	2.384	10.7	19.3
4 1	11 9.31	+22 55.8	1.496	2.381	14.1	19.5
4 11	11 3.39	+22 16.6	1.562	2.377	17.4	19.7

306058 2010 GV_{31} 3 11.6 302°.85 2°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.57	− 4 14.7	1.375	2.160	19.9	20.8
2 11	11 48.00	− 4 12.4	1.275	2.142	16.4	20.5
2 21	11 43.40	− 3 45.6	1.193	2.124	12.0	20.1
3 2	11 36.16	− 2 54.6	1.133	2.106	7.0	19.8
3 12	11 27.25	− 1 44.3	1.096	2.088	2.4	19.5
3 22	11 17.99	− 0 23.3	1.085	2.071	5.7	19.6
4 1	11 9.90	+ 0 57.4	1.099	2.054	11.3	19.9
4 11	11 4.23	+ 2 6.9	1.134	2.037	16.4	20.1

71099 1999 XQ_{138} 3 11.6 160°.83 1°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.73	+ 5 12.6	2.337	3.114	12.9	20.0
2 11	11 47.99	+ 5 49.7	2.248	3.117	10.1	19.8
2 21	11 42.32	+ 6 36.8	2.183	3.121	6.9	19.6
3 2	11 35.20	+ 7 29.9	2.144	3.124	3.4	19.4
3 12	11 27.31	+ 8 23.5	2.135	3.126	1.6	19.2
3 22	11 19.44	+ 9 12.1	2.156	3.129	4.8	19.5
4 1	11 12.40	+ 9 51.2	2.205	3.131	8.2	19.7
4 11	11 6.84	+10 17.6	2.279	3.132	11.3	19.9

500244 2012 JW_{38} 3 11.6 245°.00 0°.0/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.31	+ 0 8.6	2.128	2.895	14.3	22.6
2 11	11 48.04	+ 0 40.7	2.022	2.882	11.5	22.3
2 21	11 42.61	+ 1 28.1	1.938	2.870	8.0	22.1
3 2	11 35.46	+ 2 28.0	1.879	2.857	4.1	21.8
3 12	11 27.29	+ 3 34.9	1.850	2.843	0.2	21.5
3 22	11 19.00	+ 4 42.5	1.849	2.830	4.5	21.8
4 1	11 11.50	+ 5 44.0	1.877	2.816	8.6	22.0
4 11	11 5.60	+ 6 34.0	1.930	2.801	12.2	22.2

219826 2002 CA_{28} 3 11.6 70°.52 5°.0/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.62	+13 16.1	1.748	2.557	15.3	20.1
2 11	11 50.00	+14 27.9	1.689	2.576	11.9	19.9
2 21	11 43.92	+15 45.7	1.653	2.595	8.3	19.7
3 2	11 36.01	+17 1.1	1.643	2.614	5.5	19.6
3 12	11 27.28	+18 5.1	1.661	2.634	5.5	19.7
3 22	11 18.79	+18 50.9	1.705	2.653	8.3	19.9
4 1	11 11.58	+19 14.8	1.775	2.672	11.6	20.1
4 11	11 6.39	+19 16.3	1.867	2.690	14.6	20.3

5862 Sakanoue 3 11.6 9°.21 3°.2/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.67	+ 6 48.9	1.201	2.030	19.7	16.9
2 11	11 48.12	+ 7 29.8	1.132	2.031	15.5	16.7
2 21	11 43.36	+ 8 27.0	1.082	2.033	10.5	16.4
3 2	11 36.00	+ 9 32.8	1.054	2.036	5.4	16.1
3 12	11 27.28	+10 36.5	1.050	2.040	3.5	16.0
3 22	11 18.67	+11 27.7	1.071	2.045	8.1	16.3
4 1	11 11.64	+11 58.6	1.114	2.051	13.2	16.6
4 11	11 7.24	+12 5.7	1.178	2.059	17.6	16.8

321585 2009 UP_{25} 3 11.6 123°.62 2°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.26	+ 8 50.4	2.070	2.861	13.9	21.2
2 11	11 49.40	+ 9 40.3	1.993	2.870	10.8	21.0
2 21	11 43.39	+10 38.9	1.938	2.880	7.4	20.8
3 2	11 35.75	+11 40.5	1.911	2.888	4.0	20.6
3 12	11 27.30	+12 38.1	1.912	2.897	3.2	20.5
3 22	11 18.94	+13 25.7	1.942	2.905	6.2	20.7
4 1	11 11.59	+13 58.6	1.999	2.913	9.6	21.0
4 11	11 5.94	+14 14.7	2.081	2.921	12.7	21.2

167637 2004 CD_{114} 3 11.6 32°.02 4°.2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.03	−11 18.2	2.137	2.855	15.7	20.1
2 11	11 46.16	−11 27.4	2.043	2.858	13.2	19.9
2 21	11 41.25	−11 16.8	1.968	2.861	10.3	19.7
3 2	11 34.73	−10 46.0	1.917	2.865	7.1	19.5
3 12	11 27.34	− 9 57.4	1.892	2.868	4.6	19.4
3 22	11 19.93	− 8 55.8	1.895	2.872	4.8	19.4
4 1	11 13.37	− 7 47.5	1.926	2.876	7.6	19.6
4 11	11 8.38	− 6 39.7	1.983	2.880	10.7	19.8

391391 2006 WW_{186} 3 11.6 185°.93 5°.1/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.85	+21 58.6	3.137	3.928	9.6	21.6
2 11	11 47.64	+23 3.3	3.059	3.927	7.7	21.5
2 21	11 41.86	+24 7.2	3.006	3.926	6.0	21.3
3 2	11 34.90	+25 5.0	2.982	3.925	5.1	21.3
3 12	11 27.34	+25 51.5	2.987	3.923	5.6	21.3
3 22	11 19.81	+26 23.2	3.021	3.921	7.1	21.4
4 1	11 12.95	+26 38.0	3.081	3.918	9.0	21.5
4 11	11 7.28	+26 35.9	3.165	3.915	10.8	21.6

228343 2000 SN_{139} 3 11.6 207°.61 4°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.90	−15 15.0	2.556	3.230	14.4	20.9
2 11	11 48.16	−15 23.1	2.443	3.224	12.3	20.7
2 21	11 42.51	−15 12.0	2.350	3.217	9.9	20.5
3 2	11 35.35	−14 40.7	2.281	3.210	7.3	20.4
3 12	11 27.32	−13 50.5	2.239	3.202	5.3	20.2
3 22	11 19.18	−12 44.8	2.226	3.193	5.2	20.2
4 1	11 11.72	−11 29.2	2.242	3.184	7.2	20.3
4 11	11 5.65	−10 10.5	2.286	3.174	9.9	20.4

312157 2007 UH_{22} 3 11.6 9°.32 2°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.41	+ 6 15.0	1.315	2.133	18.9	20.7
2 11	11 49.25	+ 6 48.8	1.242	2.134	14.9	20.4
2 21	11 44.01	+ 7 38.0	1.187	2.135	10.2	20.2
3 2	11 36.30	+ 8 35.9	1.156	2.137	5.1	19.9
3 12	11 27.28	+ 9 33.3	1.150	2.140	2.9	19.8
3 22	11 18.34	+10 20.7	1.169	2.144	7.4	20.0
4 1	11 10.87	+10 50.7	1.212	2.148	12.4	20.3
4 11	11 5.91	+10 59.8	1.275	2.153	16.7	20.6

298814 2004 RO_{60} 3 11.6 249°.57 0°.5/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.02	− 1 2.3	1.726	2.497	17.0	21.8
2 11	11 50.82	− 0 39.8	1.620	2.482	13.8	21.5
2 21	11 44.94	+ 0 1.8	1.535	2.466	9.8	21.2
3 2	11 36.80	+ 1 0.2	1.473	2.450	5.1	20.9
3 12	11 27.26	+ 2 9.5	1.439	2.433	0.5	20.5
3 22	11 17.46	+ 3 21.9	1.433	2.415	5.2	20.8
4 1	11 8.65	+ 4 28.8	1.454	2.397	10.2	21.1
4 11	11 1.89	+ 5 22.9	1.499	2.379	14.6	21.3

189260 2004 WY_{8} 3 11.6 140°.10 3°.5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.42	+13 42.9	2.755	3.537	11.0	20.7
2 11	11 49.70	+14 37.2	2.680	3.552	8.6	20.6
2 21	11 43.27	+15 35.0	2.631	3.567	6.0	20.4
3 2	11 35.59	+16 31.0	2.611	3.581	3.9	20.3
3 12	11 27.32	+17 20.1	2.622	3.594	3.8	20.3
3 22	11 19.16	+17 57.9	2.662	3.606	5.9	20.5
4 1	11 11.80	+18 21.6	2.731	3.618	8.4	20.7
4 11	11 5.79	+18 30.2	2.825	3.629	10.7	20.8

337691 2001 TP_{249} 3 11.6 122°.20 2°.4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.01	+ 9 57.3	2.593	3.374	11.7	21.2
2 11	11 48.70	+10 30.7	2.514	3.386	9.1	21.1
2 21	11 42.64	+11 9.5	2.459	3.398	6.2	20.9
3 2	11 35.30	+11 49.6	2.432	3.409	3.4	20.7
3 12	11 27.33	+12 26.0	2.435	3.420	2.6	20.7
3 22	11 19.46	+12 54.6	2.468	3.431	5.1	20.9
4 1	11 12.40	+13 12.4	2.529	3.441	8.0	21.1
4 11	11 6.73	+13 17.7	2.616	3.451	10.6	21.2

133449 2003 SE_{223} 3 11.6 133°.39 1°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.13	+ 5 9.2	2.244	3.022	13.3	20.2
2 11	11 48.36	+ 5 43.4	2.158	3.028	10.5	20.0
2 21	11 42.61	+ 6 27.7	2.096	3.035	7.1	19.8
3 2	11 35.36	+ 7 18.1	2.061	3.041	3.5	19.6
3 12	11 27.33	+ 8 9.0	2.055	3.047	1.6	19.5
3 22	11 19.36	+ 8 54.9	2.079	3.052	4.8	19.7
4 1	11 12.26	+ 9 31.1	2.130	3.058	8.4	19.9
4 11	11 6.71	+ 9 54.5	2.207	3.063	11.5	20.2

492391 2014 JM_{7} 3 11.6 251°.05 0°.1/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.60	+ 0 0.3	1.670	2.446	17.3	22.9
2 11	11 51.43	+ 0 31.5	1.563	2.428	14.0	22.6
2 21	11 45.47	+ 1 22.7	1.475	2.410	9.8	22.3
3 2	11 37.11	+ 2 30.9	1.412	2.390	5.0	22.0
3 12	11 27.25	+ 3 49.3	1.377	2.370	0.3	21.5
3 22	11 17.07	+ 5 9.2	1.369	2.349	5.7	21.9
4 1	11 7.90	+ 6 21.3	1.388	2.328	10.8	22.1
4 11	11 0.84	+ 7 18.0	1.430	2.306	15.4	22.3

497127 2004 NR_{23} 3 11.6 197°.20 1°.5/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.04	+ 5 9.1	2.764	3.530	11.4	23.0
2 11	11 47.97	+ 6 1.2	2.662	3.526	8.9	22.9
2 21	11 42.21	+ 7 3.2	2.586	3.522	6.1	22.7
3 2	11 35.14	+ 8 10.9	2.537	3.516	3.0	22.5
3 12	11 27.35	+ 9 19.3	2.520	3.510	1.7	22.3
3 22	11 19.51	+10 23.0	2.534	3.503	4.5	22.5
4 1	11 12.32	+11 17.4	2.577	3.495	7.6	22.7
4 11	11 6.39	+11 59.2	2.647	3.486	10.3	22.9

236099 2005 OV_{28} 3 11.6 215°.32 3°.1/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.74	+13 35.0	3.049	3.832	10.0	21.5
2 11	11 47.58	+14 18.1	2.951	3.824	7.9	21.3
2 21	11 41.86	+15 4.7	2.879	3.815	5.5	21.2
3 2	11 34.93	+15 50.7	2.835	3.806	3.5	21.0
3 12	11 27.36	+16 31.5	2.822	3.796	3.4	21.0
3 22	11 19.76	+17 3.1	2.839	3.786	5.4	21.1
4 1	11 12.78	+17 22.7	2.884	3.776	7.9	21.2
4 11	11 6.96	+17 28.8	2.955	3.765	10.2	21.4

126151 2001 YZ_{137} 3 11.6 153°.53 1°.6/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 57.37	− 2 20.5	2.400	3.135	13.7	20.1
2 11	11 52.34	− 2 30.2	2.306	3.144	11.1	19.9
2 21	11 45.29	− 2 27.8	2.235	3.151	8.0	19.7
3 2	11 36.70	− 2 14.6	2.190	3.159	4.5	19.5
3 12	11 27.29	− 1 53.2	2.175	3.165	1.6	19.3
3 22	11 17.91	− 1 27.6	2.190	3.171	3.7	19.5
4 1	11 9.39	− 1 1.8	2.235	3.177	7.2	19.7
4 11	11 2.43	− 0 40.0	2.307	3.182	10.4	19.9

241249 2007 TS_{233} 3 11.6 56°.00 1°.3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.26	+ 4 33.9	2.086	2.871	14.0	20.7
2 11	11 47.00	+ 5 9.5	2.010	2.883	10.9	20.5
2 21	11 41.72	+ 5 56.2	1.956	2.896	7.4	20.3
3 2	11 34.92	+ 6 49.5	1.929	2.908	3.6	20.1
3 12	11 27.37	+ 7 43.6	1.930	2.921	1.5	20.0
3 22	11 19.92	+ 8 32.5	1.959	2.934	4.9	20.2
4 1	11 13.43	+ 9 11.2	2.017	2.947	8.6	20.5
4 11	11 8.53	+ 9 36.6	2.098	2.961	11.8	20.7

209592 2004 XM_{133} 3 11.6 118°.33 1°.2/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.49	− 1 56.9	1.887	2.639	16.4	21.3
2 11	11 53.65	− 1 47.6	1.811	2.660	13.2	21.1
2 21	11 46.38	− 1 22.1	1.755	2.679	9.3	20.9
3 2	11 37.28	− 0 43.1	1.725	2.698	5.0	20.7
3 12	11 27.28	+ 0 4.5	1.724	2.717	1.2	20.4
3 22	11 17.46	+ 0 54.5	1.752	2.734	4.4	20.7
4 1	11 8.84	+ 1 40.7	1.808	2.751	8.5	21.0
4 11	11 2.20	+ 2 18.0	1.890	2.766	12.2	21.2

306469 1999 RC_{180} 3 11.6 231°.03 2°.9/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.04	+11 13.7	2.467	3.247	12.2	21.0
2 11	11 51.42	+11 46.6	2.363	3.234	9.6	20.7
2 21	11 44.76	+12 25.2	2.284	3.221	6.7	20.5
3 2	11 36.49	+13 4.9	2.232	3.207	3.8	20.3
3 12	11 27.32	+13 40.3	2.210	3.192	3.2	20.3
3 22	11 18.06	+14 6.6	2.218	3.177	5.8	20.4
4 1	11 9.59	+14 20.3	2.254	3.161	9.0	20.6
4 11	11 2.62	+14 19.5	2.316	3.145	12.0	20.7

269814 1999 VV_{143} 3 11.6 158°.01 2°.5/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.54	+ 9 29.0	2.393	3.174	12.5	20.8
2 11	11 50.12	+10 3.4	2.308	3.180	9.8	20.7
2 21	11 43.76	+10 44.4	2.246	3.185	6.7	20.5
3 2	11 35.93	+11 27.4	2.213	3.190	3.6	20.3
3 12	11 27.34	+12 7.0	2.208	3.194	2.7	20.2
3 22	11 18.82	+12 38.5	2.234	3.198	5.4	20.4
4 1	11 11.17	+12 58.3	2.288	3.201	8.6	20.6
4 11	11 5.04	+13 4.4	2.367	3.204	11.5	20.8

135554 2002 EO_{69} 3 11.6 278°.91 2°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.97	− 4 39.4	1.650	2.416	17.8	20.1
2 11	11 48.58	− 4 26.4	1.542	2.398	14.7	19.9
2 21	11 43.50	− 3 50.9	1.454	2.379	10.8	19.6
3 2	11 36.13	− 2 54.0	1.389	2.360	6.2	19.3
3 12	11 27.32	− 1 40.0	1.349	2.341	2.1	18.9
3 22	11 18.22	− 0 16.9	1.337	2.322	5.1	19.1
4 1	11 10.08	+ 1 5.7	1.352	2.302	10.0	19.3
4 11	11 4.00	+ 2 18.6	1.390	2.283	14.7	19.5

347115 2010 JK_{78} 3 11.6 240°.11 9°.6/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.80	+35 56.9	2.527	3.304	12.0	20.8
2 11	11 53.02	+37 18.2	2.464	3.296	10.7	20.7
2 21	11 45.91	+38 29.8	2.425	3.289	9.8	20.6
3 2	11 37.04	+39 23.6	2.410	3.281	9.7	20.6
3 12	11 27.30	+39 53.1	2.421	3.273	10.4	20.7
3 22	11 17.68	+39 54.8	2.455	3.265	11.8	20.7
4 1	11 9.17	+39 28.7	2.512	3.256	13.4	20.8
4 11	11 2.52	+38 37.6	2.587	3.248	14.9	21.0

258343 2001 VQ_{95} 3 11.6 48°.89 7°.3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.00	+17 42.9	1.594	2.417	15.9	20.0
2 11	11 49.14	+19 18.6	1.537	2.428	12.6	19.8
2 21	11 43.57	+20 57.6	1.502	2.440	9.4	19.6
3 2	11 35.95	+22 29.0	1.492	2.452	7.4	19.6
3 12	11 27.34	+23 42.0	1.508	2.464	8.1	19.6
3 22	11 18.96	+24 29.1	1.550	2.477	10.7	19.8
4 1	11 11.94	+24 47.0	1.615	2.490	13.8	20.0
4 11	11 7.11	+24 36.9	1.700	2.503	16.7	20.2

413832 2006 RR_{122} 3 11.6 246°.15 0°.6/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.61	+ 2 39.9	1.921	2.696	15.4	22.3
2 11	11 50.95	+ 3 3.1	1.816	2.683	12.3	22.1
2 21	11 44.83	+ 3 40.5	1.733	2.668	8.5	21.8
3 2	11 36.67	+ 4 28.6	1.675	2.654	4.2	21.5
3 12	11 27.32	+ 5 21.8	1.645	2.638	0.8	21.2
3 22	11 17.78	+ 6 13.3	1.644	2.623	5.2	21.5
4 1	11 9.16	+ 6 56.7	1.670	2.606	9.6	21.7
4 11	11 2.39	+ 7 27.2	1.721	2.590	13.6	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
157847 1998 RM_{46}			3 11.6 113°.18		2°.1/13.3 18	
	h m	° ′			°	m
2 1	11 56.40	− 4 29.3	1.608	2.367	18.5	21.0
2 11	11 52.52	− 4 21.2	1.531	2.382	15.1	20.7
2 21	11 45.90	− 3 52.1	1.474	2.396	10.9	20.5
3 2	11 37.14	− 3 4.0	1.440	2.411	6.2	20.3
3 12	11 27.30	− 2 2.5	1.433	2.424	2.2	20.1
3 22	11 17.60	− 0 55.1	1.454	2.438	4.9	20.3
4 1	11 9.21	+ 0 9.7	1.502	2.450	9.4	20.6
4 11	11 3.06	+ 1 4.5	1.574	2.462	13.5	20.8
405354 2003 WO_{39}			3 11.6 60°.18		3°.2/14.1 18	
2 1	11 53.81	− 5 41.8	1.544	2.306	19.0	21.0
2 11	11 50.66	− 5 56.2	1.466	2.316	15.6	20.8
2 21	11 44.73	− 5 49.2	1.406	2.326	11.5	20.6
3 2	11 36.60	− 5 21.8	1.370	2.336	7.0	20.3
3 12	11 27.33	− 4 37.8	1.359	2.347	3.4	20.1
3 22	11 18.13	− 3 43.9	1.374	2.358	5.2	20.3
4 1	11 10.23	− 2 48.3	1.416	2.368	9.5	20.6
4 11	11 4.58	− 1 58.8	1.481	2.379	13.6	20.8
237669 2001 SJ_{279}			3 11.6 143°.83		3°.1/15.8 18	
2 1	11 49.13	−10 47.6	2.788	3.488	12.8	20.7
2 11	11 45.66	−10 35.4	2.689	3.496	10.6	20.5
2 21	11 40.60	−10 6.9	2.613	3.504	8.1	20.4
3 2	11 34.33	− 9 22.8	2.562	3.511	5.4	20.2
3 12	11 27.43	− 8 25.7	2.539	3.518	3.3	20.1
3 22	11 20.53	− 7 19.8	2.547	3.525	3.7	20.1
4 1	11 14.30	− 6 10.2	2.584	3.531	6.1	20.3
4 11	11 9.28	− 5 2.4	2.649	3.537	8.7	20.5
117555 2005 EP_{13}			3 11.6 302°.30		1°.3/10.3 18	
2 1	11 50.09	+ 4 16.2	2.088	2.872	14.0	19.7
2 11	11 47.03	+ 4 52.0	1.995	2.868	11.0	19.5
2 21	11 41.88	+ 5 39.9	1.925	2.865	7.5	19.2
3 2	11 35.08	+ 6 35.8	1.881	2.861	3.7	19.0
3 12	11 27.39	+ 7 33.7	1.866	2.858	1.5	18.8
3 22	11 19.68	+ 8 27.3	1.879	2.854	5.1	19.1
4 1	11 12.84	+ 9 11.0	1.920	2.851	8.9	19.3
4 11	11 7.60	+ 9 41.0	1.985	2.848	12.3	19.5
160078 2000 GN_{154}			3 11.6 288°.85		5°.4/15.8 18	
2 1	11 50.44	−10 46.5	1.475	2.224	20.3	20.0
2 11	11 48.54	−11 6.1	1.373	2.210	17.3	19.7
2 21	11 43.70	−10 59.1	1.289	2.195	13.5	19.4
3 2	11 36.32	−10 23.0	1.226	2.181	9.3	19.2
3 12	11 27.34	− 9 19.4	1.186	2.166	5.8	18.9
3 22	11 18.05	− 7 54.6	1.171	2.152	6.4	18.9
4 1	11 9.86	− 6 19.1	1.182	2.138	10.5	19.1
4 11	11 4.00	− 4 45.1	1.216	2.124	15.2	19.3
500010 2011 QY_{19}			3 11.6 155°.78		0°.3/11.9 17	
2 1	11 49.44	− 0 9.4	2.756	3.509	11.7	22.4
2 11	11 45.90	+ 0 15.0	2.661	3.513	9.3	22.3
2 21	11 40.76	+ 0 50.5	2.590	3.517	6.5	22.1
3 2	11 34.41	+ 1 34.7	2.545	3.521	3.3	21.9
3 12	11 27.44	+ 2 23.8	2.531	3.524	0.3	21.6
3 22	11 20.47	+ 3 13.3	2.547	3.528	3.3	21.9
4 1	11 14.16	+ 3 59.1	2.592	3.530	6.5	22.1
4 11	11 9.06	+ 4 37.2	2.664	3.533	9.3	22.3
5568 Mufson			3 11.6 213°.11		2°.3/ 9.5 18	
2 1	11 55.84	+ 6 9.6	1.809	2.597	15.7	17.6
2 11	11 52.01	+ 6 54.7	1.716	2.591	12.4	17.4
2 21	11 45.58	+ 7 53.0	1.644	2.584	8.5	17.1
3 2	11 37.05	+ 8 59.1	1.598	2.577	4.3	16.9
3 12	11 27.33	+10 5.2	1.579	2.569	2.6	16.7
3 22	11 17.52	+11 3.5	1.590	2.560	6.4	16.9
4 1	11 8.78	+11 47.3	1.627	2.551	10.7	17.2
4 11	11 2.05	+12 12.8	1.688	2.541	14.6	17.4
437650 2014 BB_{55}			3 11.6 299°.58		0°.8/12.4 17	
2 1	11 49.72	− 0 55.4	2.285	3.046	13.6	21.1
2 11	11 46.58	− 0 44.1	2.183	3.039	11.0	20.9
2 21	11 41.50	− 0 19.4	2.104	3.032	7.8	20.7
3 2	11 34.88	+ 0 16.5	2.050	3.025	4.1	20.4
3 12	11 27.42	+ 0 59.7	2.025	3.018	0.8	20.2
3 22	11 19.89	+ 1 45.3	2.029	3.012	3.8	20.4
4 1	11 13.11	+ 2 28.1	2.061	3.005	7.6	20.6
4 11	11 7.79	+ 3 3.4	2.119	2.998	10.9	20.8
242420 2004 HJ_{25}			3 11.6 236°.51		2°.9/15.8 18	
2 1	11 48.45	−11 0.8	3.047	3.742	11.9	21.4
2 11	11 45.12	−10 43.4	2.925	3.728	10.0	21.2
2 21	11 40.26	−10 10.2	2.824	3.713	7.7	21.1
3 2	11 34.21	− 9 21.6	2.749	3.698	5.2	20.9
3 12	11 27.47	− 8 19.7	2.703	3.682	3.1	20.7
3 22	11 20.62	− 7 8.5	2.688	3.666	3.5	20.7
4 1	11 14.30	− 5 52.7	2.703	3.649	5.9	20.8
4 11	11 9.04	− 4 37.8	2.746	3.632	8.5	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
308819 2006 QC_{164}			3 11.6 176°.65		2°.8/14.8 17	
	h m	° ′			°	m
2 1	11 54.01	− 7 10.1	2.848	3.556	12.4	21.0
2 11	11 49.47	− 7 30.7	2.744	3.558	10.2	20.8
2 21	11 43.24	− 7 39.2	2.661	3.559	7.7	20.6
3 2	11 35.68	− 7 35.5	2.606	3.560	5.0	20.5
3 12	11 27.41	− 7 21.3	2.579	3.561	3.0	20.3
3 22	11 19.09	− 6 59.2	2.583	3.561	3.7	20.4
4 1	11 11.42	− 6 32.7	2.617	3.560	6.2	20.5
4 11	11 5.00	− 6 5.9	2.679	3.560	8.9	20.7
505253 2012 UW_{126}			3 11.6 122°.20		3°.7/16.0 17	
2 1	11 50.11	−10 46.3	2.534	3.240	13.8	21.5
2 11	11 46.65	−10 55.1	2.437	3.245	11.6	21.3
2 21	11 41.40	−10 47.3	2.361	3.251	8.9	21.1
3 2	11 34.79	−10 22.9	2.309	3.256	6.1	21.0
3 12	11 27.44	− 9 44.1	2.286	3.261	4.0	20.8
3 22	11 20.09	− 8 54.6	2.291	3.266	4.2	20.9
4 1	11 13.45	− 7 59.3	2.325	3.271	6.7	21.0
4 11	11 8.17	− 7 3.8	2.385	3.276	9.4	21.2
203360 2001 VA_{102}			3 11.6 126°.68		0°.4/11.2 18	
2 1	11 57.58	+ 2 10.8	1.687	2.464	17.1	21.5
2 11	11 53.33	+ 2 31.5	1.609	2.476	13.6	21.3
2 21	11 46.40	+ 3 7.2	1.552	2.487	9.4	21.1
3 2	11 37.40	+ 3 53.8	1.520	2.498	4.6	20.8
3 12	11 27.34	+ 4 44.8	1.515	2.509	0.6	20.5
3 22	11 17.41	+ 5 33.2	1.539	2.518	5.3	20.9
4 1	11 8.77	+ 6 12.4	1.590	2.528	9.9	21.2
4 11	11 2.29	+ 6 38.1	1.665	2.537	13.8	21.4
166682 2002 TM_{112}			3 11.6 274°.65		1°.6/ 9.9 18	
2 1	11 50.48	+ 5 22.8	2.161	2.946	13.6	19.8
2 11	11 47.27	+ 5 59.6	2.068	2.942	10.7	19.6
2 21	11 42.01	+ 6 47.4	1.998	2.938	7.3	19.4
3 2	11 35.16	+ 7 41.8	1.954	2.934	3.6	19.1
3 12	11 27.43	+ 8 37.1	1.939	2.930	1.8	19.0
3 22	11 19.69	+ 9 27.2	1.953	2.926	5.1	19.2
4 1	11 12.78	+10 7.0	1.994	2.922	8.8	19.4
4 11	11 7.44	+10 32.8	2.060	2.918	12.1	19.6
64902 2001 YG_{85}			3 11.6 97°.30		0°.9/10.9 18	
2 1	11 57.69	+ 2 52.1	1.609	2.391	17.6	18.9
2 11	11 53.41	+ 3 21.9	1.542	2.412	13.8	18.7
2 21	11 46.41	+ 4 6.8	1.495	2.432	9.5	18.5
3 2	11 37.36	+ 5 1.7	1.473	2.452	4.6	18.3
3 12	11 27.35	+ 5 59.2	1.479	2.472	1.1	18.1
3 22	11 17.59	+ 6 51.7	1.513	2.491	5.6	18.4
4 1	11 9.24	+ 7 32.7	1.573	2.509	10.1	18.7
4 11	11 3.13	+ 7 58.2	1.657	2.527	14.0	19.0
46124 2001 FU_{40}			3 11.6 197°.57		0°.8/10.8 18	
2 1	11 54.52	+ 2 46.2	2.187	2.954	14.0	19.7
2 11	11 50.43	+ 3 20.7	2.088	2.951	11.1	19.5
2 21	11 44.20	+ 4 8.1	2.013	2.947	7.6	19.3
3 2	11 36.27	+ 5 4.6	1.964	2.943	3.7	19.1
3 12	11 27.39	+ 6 4.6	1.945	2.937	0.9	18.8
3 22	11 18.46	+ 7 1.9	1.955	2.932	4.7	19.1
4 1	11 10.39	+ 7 50.9	1.994	2.925	8.6	19.3
4 11	11 3.95	+ 8 27.2	2.058	2.918	12.1	19.5
386508 2009 BX_{89}			3 11.6 312°.52		2°.8/ 8.4 17	
2 1	11 48.34	+ 7 49.2	2.148	2.944	13.3	21.2
2 11	11 45.62	+ 8 50.7	2.058	2.939	10.4	21.0
2 21	11 40.90	+10 3.0	1.991	2.934	7.0	20.8
3 2	11 34.61	+11 20.4	1.951	2.929	3.8	20.5
3 12	11 27.46	+12 35.6	1.940	2.925	3.1	20.5
3 22	11 20.29	+13 41.8	1.957	2.920	6.1	20.7
4 1	11 13.94	+14 33.4	2.001	2.916	9.6	20.9
4 11	11 9.13	+15 7.1	2.070	2.912	12.7	21.1
480246 2015 HD_{35}			3 11.6 283°.52		0°.7/10.8 17	
2 1	11 48.36	+ 2 14.5	2.321	3.096	13.0	21.6
2 11	11 45.53	+ 2 53.8	2.216	3.083	10.3	21.4
2 21	11 40.80	+ 3 46.1	2.133	3.069	7.1	21.2
3 2	11 34.56	+ 4 48.2	2.077	3.056	3.5	20.9
3 12	11 27.46	+ 5 54.5	2.049	3.042	0.9	20.7
3 22	11 20.26	+ 6 59.2	2.052	3.029	4.5	21.0
4 1	11 13.77	+ 7 56.4	2.082	3.016	8.1	21.2
4 11	11 8.68	+ 8 41.5	2.138	3.002	11.5	21.3
498305 2007 VR_{112}			3 11.6 129°.02		3°.9/ 6.8 17	
2 1	11 52.67	+14 56.8	2.591	3.383	11.4	22.1
2 11	11 48.50	+15 48.8	2.517	3.393	8.9	22.0
2 21	11 42.57	+16 43.7	2.467	3.403	6.3	21.8
3 2	11 35.32	+17 36.0	2.446	3.413	4.3	21.7
3 12	11 27.44	+18 20.4	2.454	3.423	4.3	21.7
3 22	11 19.66	+18 52.4	2.491	3.432	6.4	21.8
4 1	11 12.70	+19 9.3	2.555	3.441	8.9	22.0
4 11	11 7.14	+19 10.2	2.644	3.450	11.3	22.2

369350 2009 SK_{350} 3 11.6 121°.15 1°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.50	+ 6 21.5	2.081	2.860	14.2	21.6
2 11	11 51.15	+ 6 46.7	2.001	2.871	11.1	21.4
2 21	11 44.61	+ 7 21.1	1.943	2.882	7.6	21.2
3 2	11 36.41	+ 8 0.6	1.913	2.892	3.8	21.0
3 12	11 27.39	+ 8 39.3	1.911	2.902	1.8	20.8
3 22	11 18.48	+ 9 12.1	1.938	2.911	5.2	21.1
4 1	11 10.60	+ 9 34.6	1.993	2.920	8.9	21.3
4 11	11 4.46	+ 9 44.3	2.074	2.929	12.2	21.5

376193 2011 CB_{68} 3 11.6 310°.70 1°.6/10.2 17

2 1	11 51.82	+ 5 8.9	1.808	2.601	15.5	21.3
2 11	11 48.79	+ 5 38.8	1.718	2.595	12.3	21.1
2 21	11 43.32	+ 6 21.4	1.648	2.590	8.4	20.8
3 2	11 35.91	+ 7 12.1	1.604	2.584	4.1	20.6
3 12	11 27.41	+ 8 4.4	1.588	2.579	1.8	20.4
3 22	11 18.88	+ 8 51.2	1.599	2.574	5.8	20.6
4 1	11 11.37	+ 9 26.5	1.636	2.569	10.0	20.9
4 11	11 5.75	+ 9 46.4	1.697	2.565	13.8	21.1

336013 2007 TR_{424} 3 11.6 113°.58 1°.6/13.3 17

2 1	11 52.97	− 2 53.1	2.376	3.119	13.6	20.8
2 11	11 48.93	− 2 56.8	2.285	3.128	11.0	20.7
2 21	11 42.98	− 2 47.6	2.217	3.136	7.9	20.5
3 2	11 35.58	− 2 26.9	2.175	3.144	4.5	20.3
3 12	11 27.43	− 1 57.8	2.161	3.152	1.7	20.1
3 22	11 19.31	− 1 24.3	2.178	3.160	3.6	20.2
4 1	11 12.01	− 0 51.1	2.223	3.168	7.0	20.5
4 11	11 6.18	− 0 22.3	2.294	3.175	10.2	20.7

431170 2006 RL_{78} 3 11.6 235°.34 0°.7/10.8 17

2 1	11 49.67	+ 2 46.5	2.496	3.265	12.4	21.9
2 11	11 46.35	+ 3 19.4	2.395	3.259	9.8	21.7
2 21	11 41.24	+ 4 3.6	2.318	3.253	6.7	21.5
3 2	11 34.73	+ 4 55.6	2.267	3.246	3.3	21.3
3 12	11 27.46	+ 5 50.9	2.246	3.239	0.8	21.0
3 22	11 20.15	+ 6 44.2	2.255	3.232	4.1	21.3
4 1	11 13.53	+ 7 30.6	2.292	3.225	7.6	21.5
4 11	11 8.23	+ 8 6.3	2.355	3.217	10.7	21.7

52308 Hanspeterröser 3 11.6 54°.63 2°.0/13.7 18

2 1	11 50.52	− 4 41.3	2.027	2.779	15.4	19.0
2 11	11 47.31	− 4 35.8	1.948	2.793	12.5	18.8
2 21	11 42.01	− 4 13.4	1.889	2.808	9.1	18.6
3 2	11 35.12	− 3 35.8	1.855	2.823	5.3	18.4
3 12	11 27.45	− 2 47.3	1.848	2.838	2.1	18.2
3 22	11 19.87	− 1 53.4	1.870	2.853	4.0	18.4
4 1	11 13.25	− 1 0.3	1.920	2.869	7.6	18.7
4 11	11 8.28	− 0 13.6	1.995	2.884	11.0	18.9

306606 2000 LU_{36} 3 11.6 155°.32 1°.7/ 9.3 18

2 1	11 52.91	+ 6 16.5	2.908	3.674	10.9	20.3
2 11	11 48.47	+ 7 10.7	2.821	3.685	8.5	20.2
2 21	11 42.45	+ 8 12.9	2.760	3.696	5.7	20.0
3 2	11 35.25	+ 9 19.0	2.727	3.705	2.9	19.8
3 12	11 27.45	+10 24.0	2.726	3.714	1.9	19.8
3 22	11 19.70	+11 23.2	2.756	3.722	4.4	19.9
4 1	11 12.63	+12 12.5	2.817	3.730	7.2	20.1
4 11	11 6.78	+12 49.4	2.903	3.736	9.7	20.3

428000 2006 BC_{38} 3 11.6 40°.50 0°.6/11.1 18

2 1	11 53.19	+ 3 2.9	1.536	2.331	17.7	21.3
2 11	11 49.98	+ 3 16.8	1.472	2.349	13.9	21.1
2 21	11 44.10	+ 3 45.2	1.428	2.368	9.5	20.9
3 2	11 36.22	+ 4 23.7	1.408	2.388	4.7	20.6
3 12	11 27.41	+ 5 5.5	1.415	2.408	0.7	20.4
3 22	11 18.85	+ 5 43.8	1.448	2.429	5.4	20.8
4 1	11 11.65	+ 6 12.5	1.508	2.450	9.9	21.1
4 11	11 6.63	+ 6 27.7	1.590	2.472	13.8	21.4

138571 2000 QY_{87} 3 11.6 222°.17 3°.6/15.3 18

2 1	11 53.61	− 8 21.2	2.525	3.236	13.7	19.8
2 11	11 49.46	− 8 51.4	2.420	3.234	11.4	19.7
2 21	11 43.41	− 9 7.7	2.336	3.231	8.8	19.5
3 2	11 35.84	− 9 9.9	2.277	3.228	5.9	19.3
3 12	11 27.43	− 8 59.1	2.247	3.224	3.8	19.2
3 22	11 18.92	− 8 37.9	2.246	3.221	4.3	19.2
4 1	11 11.12	− 8 10.3	2.273	3.218	6.9	19.3
4 11	11 4.73	− 7 41.0	2.328	3.214	9.8	19.5

318492 2005 EW_{120} 3 11.6 331°.88 4°.2/14.9 17

2 1	11 46.58	− 7 59.2	1.344	2.122	20.6	20.5
2 11	11 45.62	− 8 11.0	1.251	2.109	17.3	20.2
2 21	11 41.74	− 7 55.7	1.175	2.096	13.1	19.9
3 2	11 35.36	− 7 12.2	1.119	2.084	8.5	19.6
3 12	11 27.44	− 6 3.9	1.087	2.073	4.5	19.4
3 22	11 19.29	− 4 38.8	1.079	2.064	5.9	19.4
4 1	11 12.35	− 3 8.2	1.095	2.054	10.7	19.6
4 11	11 7.79	− 1 44.2	1.133	2.046	15.6	19.9

268021 2004 NU_{24} 3 11.6 232°.04 2°.5/13.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 56.26	− 4 27.2	2.263	2.995	14.5	21.0
2 11	11 51.85	− 4 47.8	2.152	2.985	12.0	20.8
2 21	11 45.24	− 4 54.9	2.063	2.975	8.9	20.5
3 2	11 36.84	− 4 48.8	2.000	2.964	5.4	20.3
3 12	11 27.39	− 4 31.6	1.965	2.953	2.6	20.1
3 22	11 17.78	− 4 6.7	1.960	2.941	4.2	20.2
4 1	11 8.95	− 3 38.6	1.984	2.929	7.7	20.4
4 11	11 1.72	− 3 12.3	2.034	2.916	11.2	20.6

464968 2005 XN_{47} 3 11.6 80°.78 2°.9/14.4 18

2 1	11 54.95	− 6 26.3	1.931	2.669	16.5	21.3
2 11	11 50.85	− 6 35.1	1.856	2.691	13.5	21.2
2 21	11 44.46	− 6 25.6	1.802	2.713	10.0	21.0
3 2	11 36.35	− 5 59.2	1.772	2.735	6.2	20.8
3 12	11 27.42	− 5 19.2	1.770	2.756	3.1	20.7
3 22	11 18.65	− 4 31.0	1.796	2.778	4.4	20.8
4 1	11 10.99	− 3 41.1	1.850	2.799	7.9	21.0
4 11	11 5.18	− 2 55.5	1.930	2.820	11.4	21.3

491046 2011 QM_{35} 3 11.6 117°.36 5°.1/15.9 18

2 1	11 56.09	−10 38.8	1.659	2.388	19.2	21.4
2 11	11 52.37	−11 6.1	1.576	2.398	16.1	21.2
2 21	11 45.90	−11 10.2	1.511	2.409	12.5	20.9
3 2	11 37.24	−10 50.1	1.468	2.419	8.5	20.7
3 12	11 27.39	−10 7.8	1.451	2.428	5.5	20.6
3 22	11 17.57	− 9 8.9	1.461	2.437	6.0	20.6
4 1	11 8.99	− 8 1.7	1.497	2.446	9.3	20.8
4 11	11 2.61	− 6 55.3	1.558	2.455	13.1	21.1

402101 2003 WD_{65} 3 11.6 154°.02 1°.2/10.4 18

2 1	11 55.69	+ 3 56.1	2.112	2.883	14.3	22.3
2 11	11 51.32	+ 4 34.6	2.027	2.892	11.3	22.1
2 21	11 44.76	+ 5 25.1	1.965	2.900	7.7	21.9
3 2	11 36.52	+ 6 23.3	1.929	2.908	3.7	21.7
3 12	11 27.43	+ 7 22.9	1.923	2.915	1.4	21.5
3 22	11 18.39	+ 8 17.8	1.947	2.921	5.0	21.8
4 1	11 10.33	+ 9 2.5	1.999	2.927	8.8	22.0
4 11	11 4.00	+ 9 33.4	2.076	2.932	12.1	22.3

425090 2009 SX_{36} 3 11.6 132°.01 0°.9/12.5 15

2 1	11 53.46	− 1 32.2	2.150	2.905	14.6	22.7
2 11	11 49.53	− 1 17.0	2.063	2.914	11.7	22.5
2 21	11 43.51	− 0 47.3	1.998	2.924	8.2	22.3
3 2	11 35.89	− 0 5.7	1.959	2.932	4.4	22.1
3 12	11 27.45	+ 0 43.5	1.948	2.941	0.9	21.8
3 22	11 19.06	+ 1 34.8	1.967	2.949	4.0	22.1
4 1	11 11.59	+ 2 22.4	2.014	2.957	7.8	22.3
4 11	11 5.75	+ 3 1.6	2.087	2.964	11.2	22.6

85468 1997 LP_{1} 3 11.6 248°.08 2°.0/ 9.8 18

2 1	11 52.47	+ 3 34.4	1.614	2.409	17.0	19.7
2 11	11 49.75	+ 4 33.1	1.518	2.397	13.5	19.4
2 21	11 44.28	+ 5 50.9	1.444	2.386	9.3	19.1
3 2	11 36.53	+ 7 22.1	1.394	2.374	4.6	18.8
3 12	11 27.42	+ 8 57.5	1.371	2.362	2.4	18.6
3 22	11 18.14	+10 26.5	1.376	2.349	6.8	18.9
4 1	11 9.95	+11 39.8	1.406	2.336	11.6	19.1
4 11	11 3.90	+12 31.2	1.460	2.323	15.9	19.3

322854 2001 UT_{42} 3 11.6 230°.53 2°.8/14.7 17

2 1	11 51.07	− 8 47.6	2.241	2.964	14.9	22.1
2 11	11 47.81	− 8 26.5	2.128	2.953	12.4	21.9
2 21	11 42.47	− 7 45.3	2.036	2.941	9.3	21.7
3 2	11 35.46	− 6 44.5	1.969	2.929	5.9	21.5
3 12	11 27.47	− 5 27.6	1.930	2.916	3.0	21.3
3 22	11 19.33	− 4 0.6	1.920	2.902	4.1	21.3
4 1	11 11.93	− 2 30.7	1.940	2.888	7.6	21.5
4 11	11 6.05	− 1 5.7	1.986	2.873	11.2	21.7

227873 2007 EW_{10} 3 11.6 197°.91 0°.4/12.0 17

2 1	11 52.20	− 0 54.9	2.321	3.076	13.6	21.2
2 11	11 48.49	− 0 25.7	2.220	3.073	10.9	21.0
2 21	11 42.80	+ 0 17.8	2.142	3.070	7.7	20.7
3 2	11 35.56	+ 1 13.0	2.090	3.066	4.0	20.5
3 12	11 27.47	+ 2 15.1	2.068	3.061	0.4	20.2
3 22	11 19.32	+ 3 18.4	2.075	3.056	4.0	20.5
4 1	11 11.95	+ 4 17.0	2.112	3.051	7.7	20.7
4 11	11 6.06	+ 5 6.0	2.174	3.045	11.1	20.9

364613 2007 RX_{319} 3 11.6 95°.26 1°.1/10.7 18

2 1	11 58.07	+ 4 3.6	1.668	2.450	17.0	21.8
2 11	11 53.62	+ 4 28.1	1.599	2.470	13.4	21.6
2 21	11 46.52	+ 5 5.8	1.552	2.490	9.1	21.3
3 2	11 37.43	+ 5 51.8	1.530	2.509	4.5	21.1
3 12	11 27.40	+ 6 39.2	1.536	2.528	1.3	20.9
3 22	11 17.62	+ 7 21.2	1.570	2.547	5.6	21.3
4 1	11 9.21	+ 7 52.1	1.631	2.565	9.9	21.6
4 11	11 2.99	+ 8 8.5	1.716	2.583	13.7	21.8

135244 2001 SA_{19} 3 11.6 89°.69 3°.2/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 57.61	+13 4.6	2.297	3.081	12.9	19.4
2 11	11 52.58	+13 20.5	2.217	3.089	10.1	19.2
2 21	11 45.48	+13 39.6	2.161	3.098	7.0	19.0
3 2	11 36.83	+13 57.2	2.132	3.106	4.1	18.9
3 12	11 27.43	+14 8.3	2.132	3.114	3.4	18.8
3 22	11 18.18	+14 9.4	2.162	3.122	5.9	19.0
4 1	11 9.93	+13 58.2	2.221	3.130	9.0	19.2
4 11	11 3.35	+13 34.1	2.304	3.138	11.9	19.4

428821 2008 TM_{105} 3 11.6 54°.97 4°.2/16.3 15

2 1	11 48.63	−12 1.5	1.974	2.695	16.7	21.6
2 11	11 46.01	−11 54.5	1.887	2.704	14.0	21.4
2 21	11 41.25	−11 24.5	1.819	2.714	10.8	21.2
3 2	11 34.82	−10 31.6	1.774	2.724	7.4	21.1
3 12	11 27.51	− 9 19.5	1.756	2.734	4.6	20.9
3 22	11 20.25	− 7 54.2	1.765	2.744	4.9	20.9
4 1	11 13.93	− 6 24.0	1.802	2.754	7.8	21.1
4 11	11 9.29	− 4 57.2	1.865	2.765	11.2	21.4

33151 1998 DY_{11} 3 11.6 56°.06 6°.5/ 4.9 18

2 1	11 50.98	+15 33.0	1.662	2.482	15.4	18.5
2 11	11 48.24	+17 14.6	1.602	2.494	12.1	18.3
2 21	11 42.94	+19 2.0	1.565	2.506	8.8	18.2
3 2	11 35.69	+20 44.6	1.554	2.518	6.7	18.1
3 12	11 27.49	+22 11.5	1.569	2.530	7.3	18.1
3 22	11 19.46	+23 14.5	1.611	2.543	10.0	18.3
4 1	11 12.69	+23 49.4	1.677	2.555	13.2	18.5
4 11	11 7.98	+23 56.5	1.763	2.568	16.1	18.8

464826 2004 TR_{368} 3 11.6 169°.26 4°.7/ 6.3 17

2 1	11 55.84	+17 6.0	2.475	3.265	11.9	21.9
2 11	11 51.15	+17 59.1	2.395	3.269	9.4	21.7
2 21	11 44.50	+18 54.2	2.340	3.272	6.8	21.5
3 2	11 36.36	+19 45.1	2.313	3.275	4.9	21.4
3 12	11 27.47	+20 25.9	2.315	3.277	5.1	21.4
3 22	11 18.66	+20 52.0	2.346	3.279	7.2	21.6
4 1	11 10.75	+21 0.7	2.404	3.281	9.8	21.7
4 11	11 4.39	+20 51.9	2.486	3.281	12.3	21.9

369647 2011 EU_{81} 3 11.6 86°.97 0°.3/11.9 18

2 1	11 50.17	− 1 43.3	1.929	2.697	15.5	20.9
2 11	11 47.20	− 1 0.9	1.847	2.708	12.4	20.7
2 21	11 42.04	− 0 0.6	1.787	2.718	8.6	20.5
3 2	11 35.20	+ 1 13.7	1.752	2.729	4.4	20.3
3 12	11 27.52	+ 2 35.5	1.746	2.739	0.3	20.0
3 22	11 19.90	+ 3 57.2	1.768	2.750	4.4	20.3
4 1	11 13.27	+ 5 11.3	1.818	2.760	8.5	20.6
4 11	11 8.36	+ 6 11.9	1.893	2.770	12.2	20.8

175463 2006 QA_{101} 3 11.6 146°.46 0°.0/11.6 18

2 1	11 54.75	+ 2 51.6	2.954	3.703	11.1	20.7
2 11	11 49.88	+ 2 54.5	2.861	3.712	8.8	20.5
2 21	11 43.41	+ 3 5.0	2.793	3.721	6.1	20.4
3 2	11 35.76	+ 3 21.1	2.753	3.729	3.0	20.2
3 12	11 27.51	+ 3 39.6	2.743	3.737	0.1	19.9
3 22	11 19.30	+ 3 57.6	2.765	3.744	3.3	20.2
4 1	11 11.78	+ 4 12.1	2.818	3.751	6.3	20.4
4 11	11 5.48	+ 4 20.6	2.897	3.758	8.9	20.6

268616 2006 CK_{65} 3 11.6 196°.57 0°.3/11.3 18

2 1	11 50.59	+ 0 27.8	2.449	3.209	12.8	21.0
2 11	11 47.11	+ 1 12.6	2.348	3.206	10.2	20.8
2 21	11 41.80	+ 2 11.1	2.272	3.203	7.0	20.6
3 2	11 35.05	+ 3 20.0	2.222	3.200	3.5	20.4
3 12	11 27.53	+ 4 33.8	2.202	3.196	0.4	20.1
3 22	11 19.96	+ 5 46.8	2.213	3.191	4.1	20.4
4 1	11 13.11	+ 6 53.0	2.253	3.187	7.6	20.6
4 11	11 7.63	+ 7 47.8	2.319	3.181	10.8	20.8

413889 2006 VX_{104} 3 11.6 137°.96 0°.4/11.9 18

2 1	11 55.01	− 0 8.4	2.086	2.845	14.8	22.1
2 11	11 50.81	+ 0 11.8	2.001	2.856	11.8	21.9
2 21	11 44.43	+ 0 46.1	1.938	2.866	8.3	21.7
3 2	11 36.38	+ 1 31.5	1.900	2.876	4.2	21.5
3 12	11 27.48	+ 2 23.1	1.892	2.886	0.4	21.2
3 22	11 18.65	+ 3 14.9	1.913	2.895	4.2	21.5
4 1	11 10.80	+ 4 1.4	1.963	2.903	8.2	21.7
4 11	11 4.67	+ 4 37.9	2.039	2.911	11.6	22.0

153162 2000 SB_{327} 3 11.6 126°.50 1°.1/10.6 18

2 1	11 53.21	+ 4 4.9	1.992	2.772	14.7	20.6
2 11	11 49.55	+ 4 32.9	1.906	2.777	11.6	20.4
2 21	11 43.65	+ 5 12.9	1.843	2.781	7.9	20.2
3 2	11 36.03	+ 6 0.7	1.806	2.786	3.9	20.0
3 12	11 27.50	+ 6 50.4	1.798	2.790	1.3	19.8
3 22	11 19.02	+ 7 36.1	1.818	2.794	5.0	20.1
4 1	11 11.52	+ 8 12.2	1.865	2.798	9.0	20.3
4 11	11 5.78	+ 8 35.1	1.937	2.802	12.5	20.5

385873 2006 RA_{74} 3 11.6 102°.98 0°.5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.70	+ 2 52.0	2.346	3.117	13.0	21.6
2 11	11 47.24	+ 3 13.7	2.254	3.118	10.3	21.4
2 21	11 41.89	+ 3 46.2	2.185	3.119	7.1	21.2
3 2	11 35.10	+ 4 26.4	2.142	3.120	3.5	21.0
3 12	11 27.54	+ 5 9.7	2.128	3.121	0.6	20.7
3 22	11 19.98	+ 5 51.2	2.144	3.122	4.2	21.0
4 1	11 13.21	+ 6 26.2	2.188	3.123	7.7	21.2
4 11	11 7.88	+ 6 51.2	2.257	3.124	10.9	21.4

215815 2004 TV_{242} 3 11.6 224°.79 6°.6/ 4.2 18

2 1	11 56.23	+21 40.9	2.266	3.064	12.6	20.7
2 11	11 51.86	+22 50.6	2.182	3.055	10.2	20.5
2 21	11 45.22	+24 0.5	2.122	3.046	8.0	20.3
3 2	11 36.82	+25 2.7	2.089	3.036	6.7	20.2
3 12	11 27.47	+25 49.7	2.084	3.026	7.2	20.2
3 22	11 18.12	+26 16.1	2.106	3.015	9.3	20.3
4 1	11 9.73	+26 19.4	2.154	3.004	11.8	20.5
4 11	11 3.09	+26 0.1	2.224	2.993	14.3	20.6

456640 2007 QJ_9 3 11.6 138°.02 0°.2/11.4 18

2 1	11 54.74	− 0 15.5	2.021	2.782	15.2	21.9
2 11	11 50.65	+ 0 32.1	1.939	2.797	12.0	21.7
2 21	11 44.34	+ 1 35.9	1.879	2.810	8.3	21.5
3 2	11 36.35	+ 2 51.8	1.846	2.823	4.1	21.3
3 12	11 27.50	+ 4 13.1	1.842	2.835	0.3	21.0
3 22	11 18.74	+ 5 32.3	1.868	2.847	4.6	21.3
4 1	11 11.01	+ 6 42.4	1.922	2.857	8.6	21.6
4 11	11 5.03	+ 7 38.4	2.002	2.867	12.1	21.8

372592 2009 UD_{138} 3 11.6 149°.06 6°.1/18.6 17

2 1	11 51.91	−17 29.8	2.260	2.930	16.1	21.4
2 11	11 48.44	−17 52.1	2.163	2.935	14.0	21.2
2 21	11 42.86	−17 52.5	2.084	2.940	11.4	21.0
3 2	11 35.65	−17 29.5	2.027	2.945	8.8	20.9
3 12	11 27.52	−16 43.8	1.997	2.950	6.6	20.8
3 22	11 19.36	−15 39.1	1.994	2.954	6.3	20.7
4 1	11 12.04	−14 21.7	2.018	2.958	8.0	20.8
4 11	11 6.32	−12 59.4	2.069	2.961	10.6	21.0

521106 2015 DY_{244} 3 11.6 200°.49 1°.8/ 9.3 17

2 1	11 48.69	+ 5 49.3	2.531	3.312	11.9	22.0
2 11	11 45.55	+ 6 42.6	2.438	3.310	9.3	21.9
2 21	11 40.68	+ 7 45.8	2.369	3.309	6.3	21.7
3 2	11 34.48	+ 8 54.5	2.328	3.307	3.2	21.4
3 12	11 27.57	+10 3.2	2.316	3.305	2.0	21.4
3 22	11 20.65	+11 6.2	2.335	3.303	4.8	21.5
4 1	11 14.43	+11 58.6	2.381	3.301	8.0	21.7
4 11	11 9.51	+12 37.2	2.453	3.299	10.9	21.9

90701 1986 RC_5 3 11.6 205°.83 1°.8/ 9.2 18 R

2 1	11 51.33	+ 5 25.7	2.688	3.459	11.6	20.7
2 11	11 47.55	+ 6 28.7	2.586	3.452	9.1	20.5
2 21	11 42.04	+ 7 42.4	2.508	3.445	6.1	20.3
3 2	11 35.17	+ 9 2.3	2.459	3.437	3.1	20.0
3 12	11 27.56	+10 22.6	2.440	3.429	2.0	20.0
3 22	11 19.88	+11 37.4	2.453	3.419	4.8	20.1
4 1	11 12.84	+12 41.6	2.495	3.409	7.9	20.3
4 11	11 7.07	+13 31.7	2.563	3.398	10.8	20.5

405833 2006 BQ_{158} 3 11.6 332°.12 2°.2/13.2 16

2 1	11 50.18	− 2 55.6	1.286	2.081	20.5	20.9
2 11	11 48.61	− 3 3.9	1.198	2.071	16.8	20.6
2 21	11 43.89	− 2 49.5	1.128	2.062	12.2	20.3
3 2	11 36.49	− 2 13.3	1.079	2.054	7.0	19.9
3 12	11 27.50	− 1 20.2	1.054	2.046	2.3	19.6
3 22	11 18.32	− 0 18.6	1.054	2.039	5.8	19.8
4 1	11 10.49	+ 0 41.3	1.077	2.033	11.3	20.1
4 11	11 5.21	+ 1 30.2	1.122	2.028	16.3	20.4

142213 2002 RN_{65} 3 11.6 139°.32 7°.1/ 4.1 18

2 1	11 59.88	+23 28.1	2.201	2.993	13.1	19.5
2 11	11 54.57	+24 40.4	2.140	3.007	10.7	19.3
2 21	11 46.94	+25 50.0	2.102	3.019	8.4	19.2
3 2	11 37.61	+26 48.7	2.091	3.031	7.2	19.1
3 12	11 27.48	+27 29.2	2.109	3.042	7.7	19.2
3 22	11 17.58	+27 47.2	2.153	3.053	9.6	19.3
4 1	11 8.86	+27 41.2	2.223	3.063	11.9	19.5
4 11	11 2.06	+27 13.1	2.315	3.072	14.1	19.7

303231 2004 PF_{22} 3 11.6 163°.78 2°.1/ 9.6 18

2 1	11 55.79	+ 5 4.2	1.952	2.731	15.0	22.3
2 11	11 51.66	+ 6 1.2	1.867	2.738	11.8	22.1
2 21	11 45.15	+ 7 11.5	1.805	2.744	8.0	21.8
3 2	11 36.82	+ 8 29.5	1.770	2.749	4.0	21.6
3 12	11 27.51	+ 9 47.4	1.763	2.753	2.3	21.5
3 22	11 18.24	+10 57.5	1.787	2.757	5.9	21.7
4 1	11 10.02	+11 53.4	1.838	2.759	9.8	22.0
4 11	11 3.66	+12 31.4	1.913	2.761	13.3	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
246962 1999 TS_{39}			3 11.6 158°.52		0°.7/10.8 18	
	h m	° ′			°	m
2 1	11 53.90	+ 1 17.1	2.280	3.041	13.7	21.6
2 11	11 49.77	+ 2 11.5	2.191	3.050	10.8	21.4
2 21	11 43.65	+ 3 20.1	2.125	3.058	7.4	21.2
3 2	11 35.99	+ 4 38.5	2.087	3.065	3.6	21.0
3 12	11 27.54	+ 6 0.5	2.079	3.072	0.9	20.8
3 22	11 19.12	+ 7 19.2	2.102	3.078	4.5	21.0
4 1	11 11.56	+ 8 28.5	2.153	3.083	8.2	21.3
4 11	11 5.56	+ 9 23.9	2.231	3.087	11.4	21.5
249112 2007 VH_{311}			3 11.7 168°.74		4°.8/ 5.4 17	
2 1	11 51.46	+17 11.1	2.549	3.347	11.4	21.2
2 11	11 47.72	+18 17.4	2.471	3.349	9.0	21.0
2 21	11 42.16	+19 26.1	2.417	3.351	6.6	20.8
3 2	11 35.22	+20 31.0	2.392	3.352	4.9	20.7
3 12	11 27.58	+21 25.9	2.395	3.354	5.3	20.8
3 22	11 19.98	+22 6.0	2.427	3.355	7.3	20.9
4 1	11 13.17	+22 28.3	2.485	3.356	9.8	21.0
4 11	11 7.77	+22 32.0	2.567	3.356	12.1	21.2
171538 1999 RY_{66}			3 11.7 114°.87		0°.7/11.0 18	
2 1	11 58.66	+ 3 29.4	1.880	2.651	15.8	20.6
2 11	11 53.84	+ 3 46.9	1.805	2.669	12.5	20.5
2 21	11 46.58	+ 4 16.5	1.752	2.686	8.6	20.2
3 2	11 37.48	+ 4 54.3	1.724	2.703	4.2	20.0
3 12	11 27.50	+ 5 34.3	1.726	2.719	0.8	19.8
3 22	11 17.70	+ 6 10.9	1.757	2.735	5.0	20.1
4 1	11 9.11	+ 6 38.9	1.815	2.750	9.1	20.4
4 11	11 2.50	+ 6 55.0	1.899	2.764	12.7	20.7
153049 2000 QK_{77}			3 11.7 229°.38		0°.6/12.3 17	
2 1	11 53.79	− 0 39.4	2.323	3.075	13.7	21.3
2 11	11 49.84	− 0 25.5	2.213	3.064	11.0	21.0
2 21	11 43.83	+ 0 1.7	2.126	3.052	7.8	20.8
3 2	11 36.17	+ 0 40.1	2.065	3.039	4.1	20.6
3 12	11 27.54	+ 1 25.7	2.033	3.026	0.6	20.3
3 22	11 18.78	+ 2 13.6	2.031	3.013	4.0	20.5
4 1	11 10.76	+ 2 58.5	2.058	2.998	7.8	20.7
4 11	11 4.25	+ 3 35.5	2.111	2.984	11.3	20.9
202466 2006 AP_{20}			3 11.7 36°.09		5°.1/ 7.9 18	
2 1	11 54.72	+11 22.7	1.260	2.086	19.1	20.3
2 11	11 52.02	+12 17.1	1.196	2.092	15.0	20.0
2 21	11 46.01	+13 22.1	1.151	2.099	10.4	19.8
3 2	11 37.41	+14 28.2	1.130	2.107	6.2	19.6
3 12	11 27.50	+15 24.0	1.133	2.115	5.6	19.6
3 22	11 17.82	+16 0.2	1.161	2.123	9.4	19.8
4 1	11 9.81	+16 11.6	1.211	2.132	13.9	20.1
4 11	11 4.50	+15 57.5	1.282	2.141	17.9	20.3
500738 2012 XK_{129}			3 11.7 140°.30		4°.7/18.4 17	
2 1	11 51.69	−16 48.7	3.161	3.809	12.3	22.4
2 11	11 47.53	−17 9.9	3.062	3.821	10.6	22.3
2 21	11 41.86	−17 15.5	2.984	3.832	8.6	22.2
3 2	11 35.03	−17 4.9	2.931	3.843	6.6	22.1
3 12	11 27.60	−16 38.8	2.905	3.854	5.1	22.0
3 22	11 20.16	−15 59.7	2.908	3.864	4.8	22.0
4 1	11 13.33	−15 11.3	2.940	3.873	6.1	22.1
4 11	11 7.63	−14 18.3	3.001	3.882	8.0	22.2
188959 2007 ED_{210}			3 11.7 68°.42		0°.5/12.3 18	
2 1	11 47.31	− 2 2.5	2.556	3.311	12.5	20.6
2 11	11 44.38	− 1 25.8	2.469	3.321	10.0	20.4
2 21	11 39.82	− 0 35.4	2.405	3.332	7.0	20.2
3 2	11 34.03	+ 0 25.7	2.368	3.343	3.7	20.0
3 12	11 27.63	+ 1 32.9	2.360	3.353	0.5	19.8
3 22	11 21.27	+ 2 41.0	2.382	3.364	3.4	20.1
4 1	11 15.62	+ 3 44.7	2.433	3.375	6.7	20.3
4 11	11 11.22	+ 4 39.4	2.511	3.386	9.6	20.5
495367 2014 OO_{191}			3 11.7 231°.88		1°.6/10.0 17	
2 1	11 54.89	+ 4 4.7	1.997	2.774	14.8	23.2
2 11	11 51.13	+ 4 53.5	1.891	2.760	11.8	23.0
2 21	11 44.98	+ 5 57.0	1.807	2.745	8.1	22.7
3 2	11 36.84	+ 7 10.7	1.750	2.729	4.0	22.5
3 12	11 27.53	+ 8 27.6	1.721	2.712	1.9	22.3
3 22	11 18.02	+ 9 39.8	1.722	2.695	5.7	22.5
4 1	11 9.38	+10 40.2	1.751	2.677	10.0	22.7
4 11	11 2.53	+11 23.9	1.804	2.658	13.8	22.9
149430 2003 BH_{52}			3 11.7 333°.18		4°.0/14.6 17	
2 1	11 52.45	− 6 16.8	1.612	2.371	18.5	19.7
2 11	11 49.75	− 6 51.5	1.517	2.363	15.4	19.4
2 21	11 44.31	− 7 7.2	1.441	2.356	11.7	19.2
3 2	11 36.60	− 7 3.1	1.387	2.350	7.5	18.9
3 12	11 27.53	− 6 41.1	1.358	2.343	4.2	18.7
3 22	11 18.30	− 6 5.7	1.356	2.338	5.5	18.8
4 1	11 10.16	− 5 23.9	1.379	2.333	9.6	19.0
4 11	11 4.17	− 4 43.5	1.426	2.328	13.8	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
381687 2009 CY			3 11.7 24°.24		1°.4/10.2 18	
	h m	° ′			°	m
2 1	11 45.20	+ 1 21.4	1.563	2.366	17.1	19.6
2 11	11 43.74	+ 2 30.8	1.497	2.381	13.3	19.4
2 21	11 39.88	+ 3 59.5	1.452	2.397	9.0	19.2
3 2	11 34.20	+ 5 40.6	1.432	2.413	4.3	19.0
3 12	11 27.62	+ 7 24.3	1.439	2.431	1.7	18.8
3 22	11 21.21	+ 9 0.2	1.473	2.450	5.9	19.2
4 1	11 15.94	+10 19.7	1.532	2.469	10.3	19.4
4 11	11 12.57	+11 17.6	1.615	2.489	14.0	19.7
253072 2002 TL_{127}			3 11.7 245°.31		3°.4/14.7 17	
2 1	11 53.25	− 7 45.6	1.947	2.682	16.5	21.0
2 11	11 49.94	− 7 52.8	1.838	2.670	13.8	20.7
2 21	11 44.21	− 7 40.5	1.750	2.658	10.4	20.5
3 2	11 36.48	− 7 8.6	1.685	2.645	6.7	20.2
3 12	11 27.54	− 6 19.5	1.647	2.632	3.6	20.0
3 22	11 18.39	− 5 18.4	1.637	2.618	4.8	20.1
4 1	11 10.12	− 4 12.5	1.655	2.604	8.6	20.3
4 11	11 3.64	− 3 9.3	1.698	2.590	12.5	20.5
426318 2012 TC_{310}			3 11.7 190°.07		3°.6/15.9 17	
2 1	11 52.12	−10 21.2	2.709	3.408	13.1	21.9
2 11	11 48.18	−10 35.7	2.603	3.407	11.0	21.7
2 21	11 42.48	−10 35.2	2.518	3.405	8.5	21.6
3 2	11 35.42	−10 19.5	2.458	3.404	5.9	21.4
3 12	11 27.60	− 9 50.3	2.426	3.401	3.8	21.2
3 22	11 19.70	− 9 10.5	2.424	3.399	4.2	21.3
4 1	11 12.46	− 8 24.6	2.452	3.396	6.5	21.4
4 11	11 6.51	− 7 37.7	2.506	3.393	9.2	21.6
125580 2001 XA_{25}			3 11.7 79°.33		3°.3/ 9.2 18	
2 1	11 58.14	+ 8 43.6	1.452	2.256	18.1	19.2
2 11	11 54.12	+ 9 22.6	1.389	2.273	14.2	19.0
2 21	11 47.12	+10 12.5	1.346	2.290	9.6	18.8
3 2	11 37.85	+11 6.0	1.328	2.307	5.1	18.6
3 12	11 27.51	+11 54.0	1.336	2.324	3.7	18.5
3 22	11 17.47	+12 28.9	1.371	2.340	7.5	18.8
4 1	11 9.01	+12 45.7	1.432	2.357	11.8	19.1
4 11	11 3.02	+12 42.8	1.514	2.373	15.7	19.3
326393 2001 QX_{265}			3 11.7 129°.03		4°.9/17.8 18	
2 1	11 49.86	−18 7.1	1.993	2.675	17.7	20.7
2 11	11 47.07	−17 19.3	1.895	2.681	15.2	20.5
2 21	11 42.04	−16 0.4	1.814	2.687	12.1	20.3
3 2	11 35.28	−14 10.3	1.757	2.693	8.6	20.1
3 12	11 27.60	−11 53.5	1.728	2.699	5.5	19.9
3 22	11 19.94	− 9 18.7	1.728	2.705	5.2	19.9
4 1	11 13.26	− 6 37.8	1.759	2.710	8.0	20.1
4 11	11 8.32	− 4 3.1	1.817	2.715	11.5	20.3
405035 2001 RO_{113}			3 11.7 101°.27		0°.8/10.8 18	
2 1	11 57.50	+ 3 39.1	2.136	2.901	14.3	21.8
2 11	11 52.52	+ 4 5.7	2.067	2.928	11.2	21.6
2 21	11 45.44	+ 4 43.0	2.021	2.954	7.6	21.4
3 2	11 36.84	+ 5 26.9	2.002	2.980	3.7	21.2
3 12	11 27.55	+ 6 12.1	2.012	3.005	1.0	21.1
3 22	11 18.49	+ 6 53.2	2.053	3.029	4.6	21.4
4 1	11 10.51	+ 7 25.6	2.122	3.053	8.2	21.6
4 11	11 4.26	+ 7 46.5	2.217	3.076	11.3	21.9
386249 2008 BL_{13}			3 11.7 322°.33		6°.5/15.4 16	
2 1	11 59.27	− 9 44.7	2.002	2.712	16.9	20.2
2 11	11 54.94	−11 16.3	1.881	2.688	14.5	19.9
2 21	11 47.90	−12 36.8	1.780	2.664	11.7	19.7
3 2	11 38.50	−13 42.5	1.704	2.640	8.7	19.5
3 12	11 27.50	−14 30.8	1.654	2.618	6.7	19.3
3 22	11 15.97	−15 0.9	1.632	2.595	7.2	19.3
4 1	11 5.16	−15 14.9	1.638	2.573	9.8	19.4
4 11	10 56.22	−15 17.7	1.669	2.552	13.2	19.5
399354 2000 US_{36}			3 11.7 167°.67		2°.3/ 9.4 18	
2 1	11 57.69	+ 7 24.4	2.125	2.901	14.0	22.0
2 11	11 52.94	+ 8 6.0	2.038	2.907	11.0	21.9
2 21	11 45.94	+ 8 57.2	1.975	2.912	7.5	21.6
3 2	11 37.21	+ 9 52.9	1.939	2.917	3.9	21.4
3 12	11 27.56	+10 46.6	1.932	2.920	2.5	21.3
3 22	11 17.96	+11 32.2	1.955	2.923	5.7	21.5
4 1	11 9.35	+12 5.0	2.007	2.924	9.4	21.8
4 11	11 2.52	+12 22.3	2.083	2.925	12.6	22.0
112259 2002 LY_{13}			3 11.7 233°.79		0°.3/11.9 16	
2 1	11 55.16	+ 0 13.8	2.042	2.803	15.0	21.0
2 11	11 51.29	+ 0 32.1	1.934	2.790	12.1	20.8
2 21	11 45.05	+ 1 5.3	1.847	2.777	8.5	20.5
3 2	11 36.89	+ 1 50.8	1.786	2.763	4.4	20.3
3 12	11 27.57	+ 2 43.8	1.754	2.748	0.3	19.9
3 22	11 18.06	+ 3 38.1	1.751	2.732	4.6	20.2
4 1	11 9.41	+ 4 27.6	1.776	2.716	8.9	20.4
4 11	11 2.50	+ 5 6.6	1.827	2.699	12.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
236618 2006 JX_{79}			3 11.7	54°.79	2°.3/ 9.1	18
	h m	° ′			°	m
2 1	11 50.07	+ 6 44.3	2.071	2.863	13.8	20.7
2 11	11 47.04	+ 7 36.7	1.986	2.865	10.8	20.5
2 21	11 41.93	+ 8 40.2	1.924	2.866	7.3	20.2
3 2	11 35.21	+ 9 49.3	1.889	2.868	3.8	20.0
3 12	11 27.63	+10 57.1	1.882	2.870	2.6	19.9
3 22	11 20.07	+11 56.9	1.904	2.872	5.8	20.1
4 1	11 13.42	+12 43.1	1.953	2.874	9.4	20.4
4 11	11 8.38	+13 12.5	2.025	2.875	12.6	20.6
94402 2001 SW_{277}			3 11.7	359°.95	7°.5/17.2	18
2 1	11 49.19	−12 45.1	1.248	2.006	22.9	18.4
2 11	11 47.95	−13 37.6	1.167	2.004	19.7	18.1
2 21	11 43.51	−14 0.9	1.101	2.003	15.8	17.9
3 2	11 36.35	−13 51.1	1.055	2.002	11.5	17.6
3 12	11 27.59	−13 8.4	1.030	2.002	8.1	17.4
3 22	11 18.70	−11 58.5	1.028	2.004	8.0	17.4
4 1	11 11.23	−10 32.4	1.049	2.006	11.4	17.6
4 11	11 6.40	− 9 3.7	1.091	2.009	15.6	17.9
77729 2001 OY_{68}			3 11.7	196°.47	3°.6/15.7	18
2 1	11 52.16	− 9 53.1	2.582	3.286	13.6	19.8
2 11	11 48.33	−10 8.7	2.476	3.284	11.4	19.7
2 21	11 42.66	−10 8.8	2.391	3.282	8.8	19.5
3 2	11 35.55	− 9 53.4	2.332	3.280	6.0	19.3
3 12	11 27.63	− 9 24.1	2.301	3.277	3.8	19.1
3 22	11 19.64	− 8 44.1	2.298	3.274	4.2	19.2
4 1	11 12.34	− 7 58.0	2.325	3.271	6.7	19.3
4 11	11 6.38	− 7 11.1	2.379	3.267	9.6	19.5
371654 2007 BK_{92}			3 11.7	229°.32	1°.2/10.4	17
2 1	11 53.10	+ 3 46.2	2.203	2.976	13.7	22.2
2 11	11 49.42	+ 4 24.2	2.099	2.966	10.9	22.0
2 21	11 43.62	+ 5 14.6	2.018	2.954	7.5	21.7
3 2	11 36.11	+ 6 13.7	1.964	2.943	3.7	21.5
3 12	11 27.61	+ 7 15.8	1.938	2.930	1.3	21.3
3 22	11 19.01	+ 8 14.4	1.943	2.918	4.9	21.5
4 1	11 11.20	+ 9 3.8	1.975	2.904	8.8	21.7
4 11	11 4.97	+ 9 39.9	2.033	2.891	12.3	21.9
5070 Arai			3 11.7	1°.41	0°.7/12.3	18
2 1	11 51.71	+ 0 18.3	2.138	2.904	14.3	16.5
2 11	11 48.28	+ 0 18.9	2.045	2.904	11.5	16.3
2 21	11 42.77	+ 0 32.0	1.974	2.904	8.1	16.1
3 2	11 35.64	+ 0 55.2	1.928	2.904	4.3	15.8
3 12	11 27.63	+ 1 24.8	1.911	2.904	0.7	15.5
3 22	11 19.61	+ 1 56.1	1.922	2.905	4.0	15.8
4 1	11 12.45	+ 2 24.4	1.961	2.905	7.9	16.0
4 11	11 6.89	+ 2 45.3	2.026	2.906	11.3	16.2
38358 1999 RG_{154}			3 11.7	45°.71	1°.3/12.9	18
2 1	11 50.71	− 3 0.1	1.929	2.691	15.8	18.3
2 11	11 47.75	− 2 44.2	1.838	2.693	12.7	18.1
2 21	11 42.54	− 2 10.8	1.768	2.694	9.1	17.9
3 2	11 35.58	− 1 22.1	1.723	2.696	5.0	17.7
3 12	11 27.65	− 0 23.0	1.706	2.698	1.4	17.4
3 22	11 19.71	+ 0 40.0	1.717	2.700	4.2	17.6
4 1	11 12.72	+ 1 40.0	1.755	2.702	8.4	17.9
4 11	11 7.47	+ 2 31.0	1.818	2.704	12.1	18.1
332533 2008 OS_{23}			3 11.7	149°.08	1°.4/ 9.8	16
2 1	11 51.09	+ 4 7.7	2.462	3.234	12.5	21.3
2 11	11 47.44	+ 5 5.3	2.376	3.243	9.7	21.2
2 21	11 41.99	+ 6 14.0	2.314	3.251	6.6	21.0
3 2	11 35.19	+ 7 29.5	2.279	3.258	3.2	20.8
3 12	11 27.68	+ 8 45.6	2.275	3.265	1.7	20.7
3 22	11 20.21	+ 9 56.4	2.301	3.272	4.7	20.9
4 1	11 13.51	+10 56.6	2.356	3.278	7.9	21.1
4 11	11 8.19	+11 42.8	2.436	3.284	10.9	21.3
86726 2000 GN_{34}			3 11.7	248°.55	1°.7/13.2	18
2 1	11 52.88	− 4 22.6	1.669	2.432	17.8	20.0
2 11	11 50.07	− 4 4.3	1.566	2.420	14.6	19.7
2 21	11 44.56	− 3 23.7	1.483	2.408	10.6	19.4
3 2	11 36.78	− 2 22.2	1.423	2.395	6.0	19.1
3 12	11 27.62	− 1 5.1	1.389	2.381	1.8	18.8
3 22	11 18.23	+ 0 19.7	1.383	2.367	5.0	19.0
4 1	11 9.85	+ 1 42.5	1.404	2.353	9.9	19.2
4 11	11 3.55	+ 2 54.5	1.449	2.339	14.4	19.5
135481 2001 WU_{48}			3 11.7	65°.69	2°.3/ 8.8	18
2 1	11 48.37	+ 6 29.5	2.241	3.031	13.0	19.6
2 11	11 45.51	+ 7 34.5	2.161	3.038	10.1	19.4
2 21	11 40.77	+ 8 50.3	2.104	3.046	6.8	19.2
3 2	11 34.60	+10 11.3	2.074	3.053	3.5	19.0
3 12	11 27.70	+11 30.5	2.073	3.060	2.6	19.0
3 22	11 20.84	+12 41.4	2.102	3.067	5.6	19.2
4 1	11 14.81	+13 38.6	2.158	3.075	8.9	19.4
4 11	11 10.23	+14 19.0	2.239	3.082	11.8	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
277780 2006 DR_{206}			3 11.7	31°.33	1°.4/12.9	17
	h m	° ′			°	m
2 1	11 52.13	− 2 13.5	2.014	2.773	15.3	21.3
2 11	11 48.77	− 2 9.9	1.921	2.774	12.4	21.1
2 21	11 43.21	− 1 51.1	1.849	2.774	8.8	20.9
3 2	11 35.91	− 1 18.8	1.802	2.775	4.9	20.6
3 12	11 27.66	− 0 37.1	1.783	2.775	1.4	20.4
3 22	11 19.38	+ 0 8.7	1.792	2.776	4.1	20.6
4 1	11 12.02	+ 0 52.7	1.830	2.776	8.1	20.8
4 11	11 6.36	+ 1 29.4	1.892	2.777	11.8	21.0
465657 2009 RU_{54}			3 11.7	194°.59	4°.3/ 7.2	17
2 1	11 57.73	+15 25.5	2.418	3.203	12.3	22.3
2 11	11 52.78	+16 9.7	2.328	3.200	9.7	22.1
2 21	11 45.74	+16 57.1	2.263	3.197	6.9	21.9
3 2	11 37.11	+17 41.7	2.226	3.193	4.7	21.8
3 12	11 27.62	+18 17.7	2.219	3.189	4.6	21.7
3 22	11 18.16	+18 40.3	2.241	3.184	6.9	21.9
4 1	11 9.60	+18 46.5	2.291	3.178	9.7	22.0
4 11	11 2.65	+18 35.9	2.365	3.172	12.4	22.2
130215 2000 AK_{228}			3 11.7	323°.50	0°.9/10.8	18
2 1	11 50.56	+ 2 59.0	2.094	2.873	14.1	20.2
2 11	11 47.43	+ 3 32.8	2.004	2.873	11.2	20.0
2 21	11 42.22	+ 4 19.4	1.935	2.873	7.7	19.8
3 2	11 35.39	+ 5 15.0	1.893	2.872	3.8	19.5
3 12	11 27.68	+ 6 13.8	1.879	2.872	1.0	19.3
3 22	11 19.97	+ 7 9.5	1.894	2.872	4.7	19.6
4 1	11 13.12	+ 7 56.4	1.937	2.871	8.6	19.8
4 11	11 7.88	+ 8 30.4	2.004	2.871	12.0	20.0
282617 2005 JK_{99}			3 11.7	194°.49	0°.0/11.6	18
2 1	11 49.40	+ 0 3.2	2.979	3.729	11.0	21.7
2 11	11 45.84	+ 0 40.3	2.875	3.726	8.7	21.5
2 21	11 40.77	+ 1 28.4	2.796	3.723	6.1	21.4
3 2	11 34.56	+ 2 25.0	2.744	3.720	3.1	21.2
3 12	11 27.71	+ 3 26.1	2.722	3.716	0.1	20.9
3 22	11 20.84	+ 4 27.3	2.732	3.712	3.3	21.2
4 1	11 14.54	+ 5 24.0	2.772	3.707	6.3	21.3
4 11	11 9.33	+ 6 12.5	2.838	3.701	9.0	21.5
13932 1988 SL_{1}			3 11.7	189°.28	0°.1/11.8	18
2 1	11 56.59	+ 0 5.3	1.859	2.624	16.2	20.2
2 11	11 52.55	+ 0 31.3	1.765	2.623	13.0	20.0
2 21	11 45.97	+ 1 13.8	1.691	2.622	9.1	19.7
3 2	11 37.37	+ 2 9.6	1.643	2.620	4.6	19.5
3 12	11 27.62	+ 3 12.8	1.623	2.617	0.2	19.1
3 22	11 17.81	+ 4 16.2	1.633	2.613	4.9	19.5
4 1	11 9.05	+ 5 12.6	1.670	2.609	9.4	19.7
4 11	11 2.24	+ 5 56.5	1.732	2.604	13.4	19.9
504826 2010 KH_{38}			3 11.7	207°.65	5°.2/ 4.7	17
2 1	11 51.07	+18 33.5	2.570	3.369	11.2	21.8
2 11	11 47.48	+19 44.7	2.488	3.366	8.9	21.6
2 21	11 42.07	+20 57.9	2.432	3.363	6.7	21.5
3 2	11 35.25	+22 6.5	2.404	3.360	5.3	21.4
3 12	11 27.70	+23 4.2	2.404	3.356	5.7	21.4
3 22	11 20.15	+23 46.0	2.433	3.352	7.7	21.5
4 1	11 13.38	+24 9.0	2.488	3.349	10.1	21.7
4 11	11 8.00	+24 12.6	2.565	3.344	12.3	21.8
35852 1999 JD_{63}			3 11.7	16°.45	4°.2/15.1	18
2 1	11 50.93	− 8 45.0	1.451	2.210	20.2	18.4
2 11	11 48.77	− 8 55.8	1.366	2.212	16.8	18.2
2 21	11 43.75	− 8 40.7	1.299	2.213	12.8	17.9
3 2	11 36.36	− 7 59.2	1.254	2.215	8.3	17.7
3 12	11 27.65	− 6 55.2	1.232	2.217	4.6	17.5
3 22	11 18.89	− 5 36.2	1.237	2.220	5.7	17.5
4 1	11 11.39	− 4 12.6	1.266	2.222	10.0	17.8
4 11	11 6.20	− 2 54.9	1.319	2.225	14.3	18.0
122010 2000 GG_{26}			3 11.7	186°.01	1°.0/10.8	18
2 1	11 57.51	+ 3 19.6	1.899	2.671	15.6	20.5
2 11	11 53.19	+ 3 48.9	1.806	2.671	12.4	20.3
2 21	11 46.37	+ 4 31.8	1.735	2.671	8.6	20.0
3 2	11 37.55	+ 5 24.3	1.691	2.669	4.2	19.8
3 12	11 27.63	+ 6 20.0	1.675	2.667	1.1	19.5
3 22	11 17.67	+ 7 12.1	1.688	2.665	5.3	19.8
4 1	11 8.77	+ 7 54.4	1.729	2.661	9.6	20.0
4 11	11 1.82	+ 8 22.7	1.794	2.657	13.4	20.3
357122 2001 XM_{95}			3 11.7	13°.34	5°.5/ 7.9	18
2 1	11 51.57	+11 27.1	1.122	1.961	20.1	19.9
2 11	11 49.94	+12 21.0	1.060	1.963	15.8	19.7
2 21	11 44.84	+13 26.6	1.016	1.967	11.0	19.4
3 2	11 36.96	+14 33.6	0.994	1.972	6.6	19.2
3 12	11 27.65	+15 29.5	0.995	1.978	6.1	19.1
3 22	11 18.53	+16 4.1	1.020	1.985	10.1	19.4
4 1	11 11.18	+16 11.7	1.067	1.993	14.8	19.7
4 11	11 6.68	+15 51.9	1.132	2.002	19.0	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
305622 2009 AV_{30}			3 11.7 229°.24		4°.0/ 7.9 18	
	h m	° ′			°	m
2 1	11 54.52	+ 9 17.0	1.745	2.545	15.7	21.2
2 11	11 51.18	+10 24.8	1.654	2.536	12.4	21.0
2 21	11 45.19	+11 45.2	1.585	2.527	8.5	20.7
3 2	11 37.05	+13 10.9	1.541	2.518	4.9	20.5
3 12	11 27.65	+14 32.4	1.526	2.508	4.4	20.4
3 22	11 18.15	+15 40.6	1.538	2.497	7.9	20.6
4 1	11 9.74	+16 28.6	1.576	2.486	12.0	20.8
4 11	11 3.37	+16 53.1	1.636	2.475	15.7	21.0
309225 2007 PC_{40}			3 11.7 137°.45		0°.3/11.3 18	
2 1	11 56.05	+ 0 54.7	2.018	2.781	15.1	22.4
2 11	11 51.71	+ 1 31.9	1.937	2.796	12.0	22.2
2 21	11 45.13	+ 2 23.8	1.878	2.809	8.3	22.0
3 2	11 36.83	+ 3 26.3	1.845	2.822	4.1	21.8
3 12	11 27.67	+ 4 33.3	1.841	2.835	0.4	21.5
3 22	11 18.60	+ 5 37.9	1.867	2.846	4.6	21.8
4 1	11 10.58	+ 6 34.0	1.922	2.857	8.6	22.1
4 11	11 4.35	+ 7 17.0	2.002	2.867	12.1	22.3
430694 2003 YZ_{39}			3 11.7 155°.62		3°.2/ 8.0 17	
2 1	11 51.14	+10 25.0	2.275	3.068	12.7	21.2
2 11	11 47.70	+11 18.7	2.191	3.070	9.9	21.0
2 21	11 42.30	+12 19.6	2.131	3.072	6.8	20.8
3 2	11 35.40	+13 22.4	2.098	3.073	3.9	20.6
3 12	11 27.72	+14 20.6	2.094	3.075	3.5	20.6
3 22	11 20.06	+15 8.3	2.118	3.076	6.2	20.7
4 1	11 13.25	+15 41.4	2.170	3.077	9.3	20.9
4 11	11 7.95	+15 57.7	2.246	3.078	12.2	21.1
110766 2001 UM_{23}			3 11.7 169°.76		5°.5/19.4 18	
2 1	11 50.26	−19 17.0	2.921	3.560	13.3	20.2
2 11	11 46.67	−19 32.1	2.815	3.563	11.7	20.0
2 21	11 41.44	−19 29.0	2.728	3.566	9.7	19.9
3 2	11 34.93	−19 6.6	2.665	3.569	7.6	19.7
3 12	11 27.73	−18 25.5	2.629	3.571	5.9	19.6
3 22	11 20.49	−17 28.5	2.620	3.572	5.5	19.6
4 1	11 13.88	−16 20.0	2.641	3.573	6.7	19.7
4 11	11 8.47	−15 5.8	2.689	3.574	8.7	19.8
430818 2005 GU_{54}			3 11.7 29°.25		0°.5/12.1 17	
2 1	11 50.67	− 0 15.4	2.045	2.814	14.8	21.5
2 11	11 47.57	+ 0 0.9	1.955	2.816	11.8	21.3
2 21	11 42.34	+ 0 31.7	1.887	2.818	8.3	21.1
3 2	11 35.47	+ 1 14.1	1.845	2.821	4.3	20.9
3 12	11 27.72	+ 2 3.3	1.830	2.824	0.5	20.6
3 22	11 19.97	+ 2 53.6	1.844	2.826	4.2	20.9
4 1	11 13.12	+ 3 39.2	1.886	2.829	8.2	21.1
4 11	11 7.91	+ 4 15.2	1.952	2.833	11.7	21.3
81224 2000 FV_{23}			3 11.7 251°.85		5°.8/ 5.7 17	
2 1	11 54.07	+15 53.6	1.960	2.765	14.0	19.4
2 11	11 50.59	+17 9.2	1.869	2.752	11.2	19.1
2 21	11 44.66	+18 31.0	1.801	2.738	8.2	18.9
3 2	11 36.74	+19 50.9	1.759	2.724	6.0	18.8
3 12	11 27.68	+20 59.8	1.746	2.709	6.4	18.8
3 22	11 18.51	+21 50.1	1.759	2.694	9.1	18.9
4 1	11 10.33	+22 17.0	1.798	2.679	12.3	19.1
4 11	11 4.02	+22 19.4	1.859	2.663	15.4	19.2
50920 2000 GT_{58}			3 11.7 13°.85		4°.2/ 8.0 18	
2 1	11 55.09	+13 51.9	1.888	2.691	14.6	18.7
2 11	11 51.22	+14 22.0	1.810	2.693	11.5	18.5
2 21	11 44.92	+14 56.4	1.754	2.695	8.1	18.3
3 2	11 36.77	+15 28.8	1.724	2.697	5.0	18.2
3 12	11 27.68	+15 52.5	1.722	2.700	4.6	18.1
3 22	11 18.70	+16 2.5	1.747	2.703	7.3	18.3
4 1	11 10.85	+15 55.7	1.798	2.707	10.8	18.5
4 11	11 4.94	+15 31.5	1.872	2.711	14.0	18.7
466786 2015 BY_{12}			3 11.7 136°.83		0°.2/11.5 16	
2 1	11 58.11	+ 3 8.7	2.221	2.981	14.0	22.1
2 11	11 53.12	+ 3 13.3	2.135	2.992	11.1	21.9
2 21	11 45.99	+ 3 27.9	2.072	3.003	7.7	21.7
3 2	11 37.24	+ 3 49.7	2.036	3.013	3.8	21.5
3 12	11 27.67	+ 4 14.4	2.029	3.023	0.3	21.2
3 22	11 18.18	+ 4 37.8	2.053	3.032	4.2	21.5
4 1	11 9.67	+ 4 55.7	2.105	3.041	8.0	21.8
4 11	11 2.85	+ 5 5.1	2.184	3.049	11.3	22.0
190488 2000 EF_{58}			3 11.7 47°.27		1°.3/12.5 18	
2 1	11 55.07	− 0 57.8	1.244	2.039	21.0	19.7
2 11	11 52.32	− 1 2.7	1.175	2.050	16.9	19.4
2 21	11 46.29	− 0 46.5	1.125	2.061	12.0	19.2
3 2	11 37.65	− 0 11.9	1.096	2.072	6.4	18.9
3 12	11 27.65	+ 0 34.5	1.091	2.084	1.3	18.6
3 22	11 17.83	+ 1 24.2	1.112	2.097	5.7	18.9
4 1	11 9.64	+ 2 8.3	1.157	2.109	11.1	19.2
4 11	11 4.15	+ 2 39.7	1.224	2.122	15.8	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
241281 2007 UF_2			3 11.7 208°.87		6°.0/ 5.2 17	
	h m	° ′			°	m
2 1	11 58.88	+18 36.8	2.225	3.016	13.0	21.6
2 11	11 54.04	+19 51.9	2.136	3.008	10.4	21.4
2 21	11 46.84	+21 10.0	2.071	2.999	7.8	21.2
3 2	11 37.77	+22 23.2	2.034	2.990	6.1	21.1
3 12	11 27.65	+23 23.3	2.026	2.979	6.6	21.1
3 22	11 17.49	+24 4.2	2.046	2.967	8.9	21.2
4 1	11 8.29	+24 22.2	2.093	2.954	11.7	21.4
4 11	11 0.89	+24 17.3	2.163	2.941	14.4	21.5
164660 1996 RE_{16}			3 11.7 20°.17		0°.3/11.9 18	
2 1	11 52.72	+ 1 15.7	1.263	2.068	20.2	19.8
2 11	11 50.47	+ 1 16.1	1.190	2.072	16.2	19.5
2 21	11 45.03	+ 1 35.3	1.137	2.078	11.3	19.3
3 2	11 37.03	+ 2 9.9	1.105	2.084	5.8	19.0
3 12	11 27.68	+ 2 52.8	1.097	2.091	0.3	18.6
3 22	11 18.41	+ 3 35.7	1.115	2.098	5.9	19.0
4 1	11 10.68	+ 4 10.6	1.156	2.107	11.3	19.3
4 11	11 5.55	+ 4 31.3	1.219	2.116	16.0	19.6
498823 2008 VM_7			3 11.7 123°.18		0°.3/11.3 17	
2 1	11 51.30	+ 1 25.1	2.192	2.961	13.9	22.4
2 11	11 47.87	+ 1 55.8	2.104	2.967	11.0	22.2
2 21	11 42.44	+ 2 39.6	2.039	2.973	7.6	22.0
3 2	11 35.49	+ 3 33.0	2.001	2.979	3.8	21.7
3 12	11 27.73	+ 4 30.7	1.991	2.984	0.4	21.5
3 22	11 20.00	+ 5 26.7	2.010	2.989	4.3	21.8
4 1	11 13.14	+ 6 15.7	2.058	2.995	8.0	22.0
4 11	11 7.82	+ 6 53.4	2.131	3.000	11.3	22.2
43560 2001 FX_{64}			3 11.7 215°.25		1°.1/10.4 18	
2 1	11 52.30	+ 1 36.4	2.196	2.964	13.9	18.8
2 11	11 48.82	+ 2 38.8	2.092	2.956	11.0	18.5
2 21	11 43.23	+ 3 57.4	2.011	2.947	7.6	18.3
3 2	11 35.96	+ 5 27.6	1.958	2.937	3.7	18.0
3 12	11 27.71	+ 7 2.7	1.934	2.926	1.3	17.8
3 22	11 19.35	+ 8 34.8	1.941	2.915	5.0	18.1
4 1	11 11.78	+ 9 56.6	1.976	2.903	8.9	18.3
4 11	11 5.77	+11 2.7	2.037	2.891	12.4	18.5
317914 2003 UA_{291}			3 11.7 145°.65		0°.3/11.4 18	
2 1	11 55.45	+ 1 0.7	2.056	2.819	14.9	22.2
2 11	11 51.25	+ 1 34.0	1.971	2.830	11.8	22.1
2 21	11 44.82	+ 2 21.5	1.909	2.840	8.2	21.8
3 2	11 36.70	+ 3 19.6	1.873	2.850	4.1	21.6
3 12	11 27.70	+ 4 22.3	1.865	2.859	0.4	21.3
3 22	11 18.77	+ 5 23.2	1.888	2.867	4.5	21.7
4 1	11 10.83	+ 6 16.2	1.939	2.875	8.5	21.9
4 11	11 4.64	+ 6 56.8	2.015	2.881	12.0	22.1
167882 2005 EG_{44}			3 11.7 59°.28		0°.2/11.9 18	
2 1	11 55.57	+ 0 1.4	1.382	2.171	19.6	20.6
2 11	11 52.17	+ 0 20.8	1.323	2.195	15.6	20.4
2 21	11 45.81	+ 0 59.6	1.283	2.219	10.8	20.2
3 2	11 37.26	+ 1 53.1	1.266	2.244	5.5	19.9
3 12	11 27.69	+ 2 53.6	1.275	2.269	0.2	19.6
3 22	11 18.46	+ 3 52.4	1.311	2.294	5.4	20.0
4 1	11 10.79	+ 4 41.4	1.372	2.318	10.3	20.4
4 11	11 5.56	+ 5 15.4	1.456	2.343	14.5	20.7
466352 2013 RF_{57}			3 11.7 215°.10		1°.3/13.1 17	
2 1	11 52.68	− 3 26.8	2.322	3.065	13.9	22.8
2 11	11 48.99	− 3 7.1	2.214	3.057	11.3	22.6
2 21	11 43.28	− 2 31.7	2.129	3.049	8.1	22.3
3 2	11 35.97	− 1 42.6	2.070	3.041	4.6	22.1
3 12	11 27.74	− 0 43.7	2.039	3.031	1.3	21.8
3 22	11 19.40	+ 0 19.6	2.039	3.022	3.8	22.0
4 1	11 11.81	+ 1 21.3	2.068	3.011	7.5	22.2
4 11	11 5.70	+ 2 15.8	2.123	3.000	11.0	22.4
424190 2007 JF_{28}			3 11.7 302°.94		5°.3/ 6.9 17	
2 1	11 52.66	+14 6.7	1.770	2.582	15.0	20.6
2 11	11 49.78	+15 2.8	1.675	2.563	11.9	20.4
2 21	11 44.28	+16 6.4	1.602	2.544	8.5	20.1
3 2	11 36.63	+17 9.8	1.554	2.525	5.7	19.9
3 12	11 27.72	+18 4.1	1.533	2.507	5.8	19.9
3 22	11 18.65	+18 41.5	1.539	2.489	8.8	20.0
4 1	11 10.62	+18 56.9	1.569	2.471	12.6	20.2
4 11	11 4.60	+18 48.6	1.621	2.453	16.1	20.4
262773 2006 YR_7			3 11.7 110°.62		4°.1/ 7.1 18	
2 1	11 52.83	+ 9 57.3	1.934	2.732	14.4	19.8
2 11	11 49.31	+11 28.3	1.866	2.748	11.2	19.6
2 21	11 43.54	+13 9.1	1.821	2.763	7.7	19.5
3 2	11 36.06	+14 51.5	1.805	2.779	4.7	19.3
3 12	11 27.74	+16 26.1	1.817	2.794	4.6	19.3
3 22	11 19.56	+17 44.9	1.857	2.808	7.5	19.5
4 1	11 12.45	+18 42.5	1.925	2.822	10.8	19.8
4 11	11 7.14	+19 16.9	2.015	2.835	13.8	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
199737 2006 HX_{113}			3 11.7	21°.29	1°.7/10.1	17
	h m	° ′			°	m
2 1	11 51.30	+ 5 29.9	1.937	2.727	14.7	20.4
2 11	11 48.19	+ 6 2.9	1.853	2.729	11.6	20.2
2 21	11 42.84	+ 6 47.3	1.790	2.731	7.9	20.0
3 2	11 35.76	+ 7 38.6	1.754	2.733	3.9	19.8
3 12	11 27.76	+ 8 30.4	1.745	2.736	1.9	19.6
3 22	11 19.79	+ 9 16.3	1.764	2.739	5.4	19.9
4 1	11 12.80	+ 9 51.0	1.811	2.741	9.4	20.1
4 11	11 7.55	+10 10.9	1.881	2.744	12.8	20.3
229034 2004 DP_{70}			3 11.7	301°.68	0°.6/11.2	18
2 1	11 53.12	+ 2 7.6	1.308	2.112	19.7	20.7
2 11	11 50.97	+ 2 25.5	1.219	2.102	15.8	20.4
2 21	11 45.59	+ 3 3.2	1.150	2.092	11.1	20.1
3 2	11 37.47	+ 3 56.6	1.102	2.082	5.6	19.8
3 12	11 27.70	+ 4 58.1	1.080	2.073	0.8	19.4
3 22	11 17.74	+ 5 57.8	1.082	2.064	6.5	19.7
4 1	11 9.14	+ 6 46.2	1.109	2.055	12.2	20.0
4 11	11 3.15	+ 7 16.5	1.156	2.046	17.2	20.3
375744 2009 SG_{29}			3 11.7	186°.48	2°.6/ 9.3	17
2 1	11 57.53	+ 9 49.4	2.137	2.919	13.8	21.0
2 11	11 52.88	+10 14.2	2.047	2.919	10.8	20.8
2 21	11 45.97	+10 45.6	1.981	2.919	7.5	20.5
3 2	11 37.31	+11 19.0	1.941	2.918	4.0	20.3
3 12	11 27.72	+11 48.6	1.930	2.916	2.9	20.3
3 22	11 18.15	+12 9.5	1.949	2.915	5.9	20.4
4 1	11 9.56	+12 17.9	1.995	2.913	9.4	20.6
4 11	11 2.74	+12 12.2	2.067	2.910	12.7	20.8
141317 2001 YB_{127}			3 11.7	62°.07	1°.5/10.1	18
2 1	11 52.01	+ 6 8.3	2.232	3.013	13.3	19.7
2 11	11 48.31	+ 6 33.7	2.155	3.026	10.4	19.5
2 21	11 42.67	+ 7 7.8	2.101	3.039	7.0	19.3
3 2	11 35.58	+ 7 46.7	2.073	3.052	3.5	19.1
3 12	11 27.78	+ 8 25.2	2.075	3.066	1.7	19.0
3 22	11 20.09	+ 8 58.3	2.105	3.079	4.8	19.3
4 1	11 13.30	+ 9 22.1	2.164	3.092	8.2	19.5
4 11	11 8.05	+ 9 34.1	2.247	3.106	11.2	19.7
281711 2008 WQ_{105}			3 11.7	208°.51	0°.2/11.4	17
2 1	11 51.94	+ 1 57.4	2.235	3.004	13.7	21.4
2 11	11 48.41	+ 2 17.8	2.140	3.002	10.9	21.2
2 21	11 42.86	+ 2 50.3	2.067	3.000	7.5	21.0
3 2	11 35.75	+ 3 31.7	2.021	2.999	3.8	20.8
3 12	11 27.77	+ 4 17.4	2.003	2.997	0.3	20.5
3 22	11 19.77	+ 5 2.2	2.015	2.994	4.2	20.8
4 1	11 12.59	+ 5 40.9	2.054	2.992	8.0	21.0
4 11	11 6.94	+ 6 9.5	2.120	2.990	11.3	21.2
423761 2006 DV_{70}			3 11.7	262°.09	1°.5/13.1	17
2 1	11 54.94	− 2 16.9	2.358	3.100	13.8	21.2
2 11	11 50.88	− 2 23.1	2.236	3.078	11.3	21.0
2 21	11 44.69	− 2 16.7	2.137	3.056	8.2	20.7
3 2	11 36.76	− 1 58.5	2.063	3.033	4.7	20.5
3 12	11 27.74	− 1 31.3	2.019	3.010	1.6	20.2
3 22	11 18.48	− 0 58.9	2.004	2.986	3.9	20.3
4 1	11 9.87	− 0 26.1	2.018	2.962	7.7	20.5
4 11	11 2.75	+ 0 2.3	2.059	2.937	11.3	20.7
380245 2001 UO_{125}			3 11.7	60°.95	4°.8/ 6.0	18
2 1	11 50.46	+14 25.2	2.110	2.916	13.1	20.2
2 11	11 47.24	+15 45.0	2.050	2.935	10.2	20.1
2 21	11 41.99	+17 9.1	2.014	2.954	7.3	19.9
3 2	11 35.24	+18 30.1	2.005	2.972	5.1	19.8
3 12	11 27.80	+19 40.3	2.025	2.992	5.4	19.9
3 22	11 20.52	+20 33.8	2.072	3.011	7.7	20.0
4 1	11 14.22	+21 6.9	2.146	3.030	10.5	20.2
4 11	11 9.55	+21 19.2	2.242	3.049	13.0	20.4
270587 2002 LJ_{1}			3 11.7	250°.00	2°.2/14.1	17
2 1	11 50.87	− 6 17.1	2.403	3.134	13.8	21.3
2 11	11 47.57	− 6 4.0	2.286	3.118	11.4	21.1
2 21	11 42.34	− 5 34.2	2.191	3.102	8.4	20.8
3 2	11 35.53	− 4 48.7	2.121	3.085	5.1	20.6
3 12	11 27.79	− 3 50.6	2.080	3.069	2.3	20.4
3 22	11 19.88	− 2 44.7	2.069	3.051	3.8	20.5
4 1	11 12.63	− 1 37.0	2.086	3.033	7.3	20.6
4 11	11 6.77	− 0 33.7	2.130	3.015	10.6	20.8
413818 2006 QC_{7}			3 11.7	176°.85	1°.2/10.4	18
2 1	11 54.63	+ 3 37.2	2.189	2.959	13.9	22.5
2 11	11 50.55	+ 4 19.4	2.097	2.962	11.0	22.3
2 21	11 44.35	+ 5 14.1	2.028	2.964	7.5	22.0
3 2	11 36.50	+ 6 16.9	1.986	2.965	3.7	21.8
3 12	11 27.76	+ 7 21.9	1.973	2.965	1.4	21.6
3 22	11 19.02	+ 8 22.6	1.991	2.965	4.9	21.9
4 1	11 11.16	+ 9 13.4	2.036	2.964	8.7	22.1
4 11	11 4.93	+ 9 50.4	2.107	2.963	12.0	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
462282 2008 FM_{12}			3 11.7	8°.59	0°.1/11.6	16
	h m	° ′			°	m
2 1	11 45.72	− 0 51.9	1.256	2.067	20.0	21.5
2 11	11 44.95	− 0 13.5	1.182	2.068	16.0	21.2
2 21	11 41.24	+ 0 50.0	1.127	2.071	11.1	20.9
3 2	11 35.16	+ 2 13.5	1.094	2.074	5.6	20.6
3 12	11 27.81	+ 3 47.5	1.085	2.079	0.3	20.2
3 22	11 20.49	+ 5 20.0	1.101	2.085	6.1	20.7
4 1	11 14.55	+ 6 39.7	1.141	2.092	11.4	21.0
4 11	11 10.98	+ 7 38.4	1.203	2.100	16.1	21.3
457702 2009 EM_{29}			3 11.7	0°.80	2°.4/ 9.9	16
2 1	11 52.42	+ 6 17.1	1.345	2.160	18.7	21.1
2 11	11 50.13	+ 6 44.5	1.268	2.158	14.8	20.8
2 21	11 44.78	+ 7 26.6	1.211	2.158	10.2	20.5
3 2	11 36.95	+ 8 17.4	1.177	2.158	5.1	20.2
3 12	11 27.75	+ 9 8.0	1.167	2.158	2.7	20.1
3 22	11 18.59	+ 9 49.5	1.183	2.159	7.2	20.4
4 1	11 10.86	+10 15.1	1.223	2.161	12.2	20.6
4 11	11 5.61	+10 20.9	1.284	2.164	16.6	20.9
96468 1998 HQ_{81}			3 11.7	330°.05	0°.7/11.1	18
2 1	11 49.85	+ 1 58.9	1.365	2.172	18.9	19.3
2 11	11 48.18	+ 2 23.1	1.278	2.162	15.1	19.0
2 21	11 43.53	+ 3 7.0	1.209	2.152	10.5	18.7
3 2	11 36.38	+ 4 6.5	1.163	2.143	5.3	18.4
3 12	11 27.77	+ 5 13.7	1.141	2.135	0.9	18.1
3 22	11 19.02	+ 6 18.8	1.145	2.127	6.3	18.4
4 1	11 11.53	+ 7 12.5	1.174	2.120	11.7	18.7
4 11	11 6.44	+ 7 47.9	1.223	2.114	16.5	18.9
72847 2001 HD_{36}			3 11.7	142°.24	6°.6/ 5.2	18
2 1	11 57.99	+22 11.3	2.172	2.968	13.1	18.6
2 11	11 53.24	+23 1.6	2.099	2.970	10.6	18.4
2 21	11 46.19	+23 50.1	2.048	2.972	8.2	18.3
3 2	11 37.39	+24 29.4	2.025	2.974	6.7	18.2
3 12	11 27.75	+24 52.6	2.029	2.976	7.0	18.2
3 22	11 18.26	+24 55.7	2.061	2.977	9.0	18.3
4 1	11 9.88	+24 37.0	2.118	2.979	11.6	18.5
4 11	11 3.36	+23 58.0	2.197	2.980	14.0	18.7
503599 2016 GQ_{78}			3 11.7	204°.62	0°.3/11.4	17
2 1	11 53.55	+ 1 45.7	2.303	3.066	13.5	22.5
2 11	11 49.65	+ 2 10.0	2.203	3.061	10.7	22.3
2 21	11 43.72	+ 2 46.6	2.125	3.057	7.5	22.1
3 2	11 36.20	+ 3 32.4	2.074	3.052	3.7	21.9
3 12	11 27.79	+ 4 22.7	2.052	3.046	0.4	21.6
3 22	11 19.32	+ 5 12.0	2.061	3.040	4.2	21.9
4 1	11 11.65	+ 5 55.3	2.098	3.033	8.0	22.1
4 11	11 5.48	+ 6 28.4	2.160	3.026	11.3	22.3
321727 2010 KN_{93}			3 11.7	134°.29	1°.4/10.4	18
2 1	11 56.32	+ 4 38.9	2.026	2.801	14.7	22.0
2 11	11 51.95	+ 5 14.0	1.947	2.814	11.6	21.8
2 21	11 45.32	+ 6 0.6	1.889	2.826	7.9	21.6
3 2	11 36.98	+ 6 54.0	1.859	2.838	3.9	21.4
3 12	11 27.78	+ 7 48.1	1.857	2.849	1.6	21.2
3 22	11 18.69	+ 8 36.7	1.885	2.859	5.1	21.5
4 1	11 10.65	+ 9 14.7	1.941	2.869	9.0	21.7
4 11	11 4.40	+ 9 38.6	2.022	2.879	12.4	22.0
31818 1999 RM_{135}			3 11.7	19°.77	2°.8/14.1	18 R
2 1	11 58.04	− 3 50.0	2.306	3.036	14.4	17.1
2 11	11 53.16	− 4 35.2	2.207	3.037	11.8	16.9
2 21	11 46.14	− 5 9.3	2.130	3.039	8.8	16.8
3 2	11 37.43	− 5 31.9	2.080	3.041	5.5	16.6
3 12	11 27.78	− 5 44.3	2.058	3.044	3.0	16.4
3 22	11 18.08	− 5 48.6	2.067	3.046	4.2	16.5
4 1	11 9.23	− 5 48.0	2.105	3.049	7.4	16.7
4 11	11 2.01	− 5 46.5	2.169	3.051	10.6	16.9
194456 2001 VT_{120}			3 11.7	87°.77	2°.4/ 9.9	18
2 1	11 59.37	+ 6 22.5	1.536	2.329	17.8	20.2
2 11	11 54.89	+ 7 1.1	1.476	2.353	13.9	20.0
2 21	11 47.56	+ 7 52.1	1.436	2.377	9.4	19.8
3 2	11 38.13	+ 8 48.9	1.421	2.400	4.7	19.6
3 12	11 27.76	+ 9 43.0	1.434	2.423	2.6	19.5
3 22	11 17.72	+10 26.9	1.474	2.446	6.6	19.8
4 1	11 9.21	+10 55.2	1.540	2.468	10.9	20.1
4 11	11 3.07	+11 5.5	1.629	2.490	14.6	20.4
238843 2005 UM_{172}			3 11.7	11°.66	2°.7/ 9.9	18
2 1	11 53.84	+ 6 36.8	1.207	2.028	20.1	20.5
2 11	11 51.60	+ 7 4.6	1.136	2.029	15.9	20.3
2 21	11 45.98	+ 7 48.0	1.083	2.031	10.9	20.0
3 2	11 37.62	+ 8 40.2	1.052	2.033	5.5	19.7
3 12	11 27.77	+ 9 31.4	1.045	2.036	3.0	19.5
3 22	11 18.01	+10 11.9	1.063	2.039	7.8	19.8
4 1	11 9.88	+10 34.3	1.104	2.043	13.0	20.1
4 11	11 4.52	+10 35.2	1.165	2.048	17.7	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
345977 2007 TW_{119}			3 11.7 150°.80		3°.3/15.9 17	
	h m	° ′			°	m
2 1	11 50.19	−10 33.0	2.611	3.315	13.4	21.9
2 11	11 46.74	−10 30.0	2.512	3.320	11.2	21.7
2 21	11 41.57	−10 10.2	2.434	3.325	8.6	21.5
3 2	11 35.07	− 9 34.1	2.381	3.330	5.8	21.4
3 12	11 27.86	− 8 44.1	2.356	3.334	3.6	21.2
3 22	11 20.64	− 7 44.3	2.361	3.338	3.9	21.2
4 1	11 14.11	− 6 40.0	2.395	3.342	6.4	21.4
4 11	11 8.87	− 5 36.8	2.456	3.346	9.2	21.6
185528 2007 VR_{243}			3 11.7 299°.36		0°.8/12.5 18	
2 1	11 49.70	− 1 22.0	2.159	2.922	14.3	20.5
2 11	11 46.83	− 1 7.0	2.055	2.911	11.5	20.3
2 21	11 41.91	− 0 37.3	1.972	2.900	8.2	20.1
3 2	11 35.36	+ 0 5.2	1.915	2.890	4.4	19.8
3 12	11 27.86	+ 0 56.0	1.886	2.879	0.8	19.5
3 22	11 20.25	+ 1 49.8	1.886	2.869	4.0	19.7
4 1	11 13.42	+ 2 40.6	1.914	2.859	7.9	20.0
4 11	11 8.11	+ 3 23.1	1.967	2.849	11.5	20.1
258098 2001 QG_{156}			3 11.7 156°.49		1°.4/13.2 16	
2 1	11 55.01	− 3 15.7	2.404	3.140	13.7	22.4
2 11	11 50.61	− 3 4.0	2.311	3.149	11.1	22.2
2 21	11 44.27	− 2 38.2	2.239	3.157	7.9	22.0
3 2	11 36.44	− 2 0.2	2.195	3.164	4.5	21.8
3 12	11 27.83	− 1 13.8	2.179	3.171	1.4	21.6
3 22	11 19.23	− 0 23.6	2.194	3.177	3.6	21.8
4 1	11 11.46	+ 0 25.2	2.239	3.182	7.1	22.0
4 11	11 5.17	+ 1 7.7	2.310	3.186	10.3	22.2
245787 2006 HT_{15}			3 11.7 251°.23		2°.0/ 9.9 15	
2 1	11 55.02	+ 5 21.4	1.854	2.639	15.5	21.8
2 11	11 51.54	+ 6 3.3	1.749	2.622	12.3	21.5
2 21	11 45.49	+ 6 59.4	1.665	2.604	8.5	21.3
3 2	11 37.30	+ 8 4.9	1.606	2.586	4.3	21.0
3 12	11 27.80	+ 9 12.4	1.576	2.566	2.3	20.8
3 22	11 18.06	+10 14.2	1.574	2.547	6.2	21.0
4 1	11 9.26	+11 3.0	1.600	2.527	10.7	21.2
4 11	11 2.36	+11 34.1	1.649	2.506	14.7	21.4
43314 2000 JC_{12}			3 11.7 150°.93		4°.5/ 7.1 18	
2 1	11 57.28	+14 43.1	2.188	2.978	13.2	19.4
2 11	11 52.59	+15 36.5	2.112	2.987	10.4	19.3
2 21	11 45.71	+16 33.9	2.059	2.995	7.4	19.1
3 2	11 37.17	+17 28.6	2.034	3.002	4.9	18.9
3 12	11 27.81	+18 13.9	2.038	3.009	4.9	19.0
3 22	11 18.56	+18 44.5	2.071	3.015	7.3	19.1
4 1	11 10.34	+18 57.3	2.131	3.021	10.3	19.3
4 11	11 3.87	+18 51.6	2.214	3.026	13.0	19.5
132030 2002 CB_{119}			3 11.7 96°.60		1°.2/10.7 18	
2 1	11 54.93	+ 2 38.0	1.554	2.344	17.8	20.6
2 11	11 51.54	+ 3 19.1	1.482	2.357	14.0	20.4
2 21	11 45.41	+ 4 17.2	1.430	2.370	9.6	20.2
3 2	11 37.15	+ 5 26.8	1.403	2.382	4.7	19.9
3 12	11 27.81	+ 6 39.4	1.402	2.395	1.4	19.7
3 22	11 18.62	+ 7 46.3	1.429	2.407	5.9	20.0
4 1	11 10.77	+ 8 39.7	1.482	2.419	10.6	20.3
4 11	11 5.13	+ 9 15.1	1.558	2.431	14.6	20.6
87935 2000 SG_{347}			3 11.7 95°.57		9°.5/20.3 18	
2 1	11 58.81	−21 44.5	2.075	2.710	18.3	18.5
2 11	11 54.35	−23 14.5	1.985	2.719	16.3	18.3
2 21	11 47.31	−24 23.3	1.912	2.729	14.0	18.2
3 2	11 38.16	−25 6.0	1.861	2.738	11.7	18.1
3 12	11 27.78	−25 19.8	1.834	2.747	10.0	18.0
3 22	11 17.25	−25 5.5	1.832	2.756	9.5	17.9
4 1	11 7.72	−24 27.4	1.856	2.765	10.5	18.0
4 11	11 0.15	−23 33.6	1.904	2.774	12.4	18.2
285601 2000 QT_{161}			3 11.7 258°.46		6°.7/17.4 17	
2 1	11 55.34	−14 33.4	2.047	2.736	17.1	20.5
2 11	11 51.65	−15 28.6	1.937	2.725	14.8	20.3
2 21	11 45.51	−16 5.1	1.846	2.714	12.1	20.1
3 2	11 37.30	−16 19.7	1.777	2.703	9.3	19.9
3 12	11 27.81	−16 11.6	1.734	2.691	7.1	19.8
3 22	11 18.03	−15 42.6	1.718	2.679	7.0	19.7
4 1	11 9.08	−14 57.6	1.729	2.667	9.2	19.8
4 11	11 1.92	−14 4.1	1.765	2.655	12.2	20.0
158332 2001 WZ_{14}			3 11.7 172°.37		1°.3/13.0 18	
2 1	11 55.41	− 4 12.5	2.057	2.799	15.5	21.0
2 11	11 51.35	− 3 43.0	1.961	2.804	12.6	20.7
2 21	11 45.02	− 2 55.0	1.887	2.807	9.0	20.5
3 2	11 36.92	− 1 50.8	1.839	2.810	5.0	20.3
3 12	11 27.83	− 0 35.7	1.820	2.812	1.4	20.0
3 22	11 18.72	+ 0 43.6	1.830	2.813	4.2	20.2
4 1	11 10.55	+ 1 59.5	1.870	2.813	8.2	20.5
4 11	11 4.12	+ 3 5.6	1.935	2.812	11.9	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
170266 2003 QR_{72}			3 11.7 253°.92		3°.6/14.9 16	
	h m	° ′			°	m
2 1	11 52.33	− 8 22.3	1.740	2.483	17.9	20.8
2 11	11 49.58	− 8 23.0	1.636	2.472	15.0	20.6
2 21	11 44.22	− 8 1.0	1.551	2.461	11.4	20.3
3 2	11 36.69	− 7 15.7	1.489	2.449	7.3	20.0
3 12	11 27.83	− 6 10.4	1.452	2.438	3.9	19.8
3 22	11 18.75	− 4 51.6	1.443	2.426	5.1	19.8
4 1	11 10.65	− 3 28.0	1.461	2.413	9.2	20.1
4 11	11 4.52	− 2 9.1	1.503	2.401	13.5	20.3
499892 2011 FE_{130}			3 11.7 21°.12		2°.8/13.7 18	
2 1	11 55.66	− 2 42.4	1.602	2.369	18.2	20.7
2 11	11 52.18	− 3 21.4	1.520	2.374	14.9	20.5
2 21	11 45.93	− 3 44.7	1.457	2.380	10.9	20.3
3 2	11 37.47	− 3 52.5	1.418	2.386	6.5	20.0
3 12	11 27.83	− 3 47.2	1.404	2.393	3.0	19.8
3 22	11 18.20	− 3 33.2	1.418	2.401	5.0	20.0
4 1	11 9.82	− 3 16.0	1.458	2.409	9.3	20.2
4 11	11 3.64	− 3 1.6	1.521	2.418	13.4	20.5
49493 1999 CD			3 11.7 91°.80		4°.1/ 8.6 18	
2 1	11 59.14	+10 17.4	1.508	2.310	17.6	18.5
2 11	11 54.86	+11 8.5	1.446	2.330	13.8	18.3
2 21	11 47.65	+12 9.1	1.406	2.348	9.4	18.1
3 2	11 38.24	+13 10.8	1.390	2.367	5.3	17.9
3 12	11 27.81	+14 4.5	1.402	2.385	4.5	17.9
3 22	11 17.69	+14 42.4	1.440	2.403	7.9	18.2
4 1	11 9.12	+15 0.1	1.504	2.420	12.0	18.4
4 11	11 2.98	+14 56.6	1.590	2.437	15.6	18.7
210410 2007 WX_{11}			3 11.7 34°.37		9°.1/27.9 17	
2 1	11 51.89	+30 28.2	2.293	3.095	12.3	19.7
2 11	11 48.60	+32 14.3	2.238	3.097	10.6	19.6
2 21	11 43.11	+33 53.9	2.207	3.099	9.4	19.5
3 2	11 35.92	+35 17.8	2.202	3.101	9.1	19.5
3 12	11 27.88	+36 18.7	2.223	3.104	10.0	19.5
3 22	11 19.93	+36 52.0	2.268	3.106	11.6	19.7
4 1	11 12.99	+36 56.7	2.335	3.109	13.5	19.8
4 11	11 7.79	+36 35.0	2.420	3.112	15.2	19.9
200335 2000 HS_{18}			3 11.7 293°.72		3°.3/ 9.3 17	
2 1	11 53.95	+ 7 39.3	1.396	2.209	18.3	20.5
2 11	11 51.53	+ 8 18.5	1.304	2.193	14.5	20.2
2 21	11 45.96	+ 9 12.6	1.232	2.178	10.1	19.9
3 2	11 37.71	+10 15.3	1.183	2.163	5.3	19.6
3 12	11 27.83	+11 16.9	1.159	2.148	3.7	19.4
3 22	11 17.71	+12 7.3	1.161	2.133	8.0	19.6
4 1	11 8.88	+12 38.7	1.187	2.118	13.2	19.9
4 11	11 2.54	+12 47.0	1.234	2.104	17.8	20.1
227517 2005 YN_{36}			3 11.7 110°.44		1°.3/13.1 16	
2 1	11 54.45	− 2 39.8	2.147	2.895	14.8	21.7
2 11	11 50.36	− 2 32.2	2.064	2.910	11.9	21.5
2 21	11 44.18	− 2 9.9	2.003	2.925	8.5	21.3
3 2	11 36.43	− 1 35.0	1.968	2.939	4.7	21.1
3 12	11 27.87	− 0 51.5	1.961	2.953	1.4	20.9
3 22	11 19.40	− 0 4.6	1.984	2.967	3.9	21.1
4 1	11 11.88	+ 0 40.2	2.035	2.980	7.6	21.4
4 11	11 6.01	+ 1 18.0	2.112	2.993	10.9	21.6
281554 2008 UT_{54}			3 11.7 216°.04		3°.4/ 8.1 17	
2 1	11 52.73	+11 13.9	2.205	2.998	13.0	20.7
2 11	11 49.10	+12 1.3	2.117	2.996	10.2	20.5
2 21	11 43.39	+12 55.5	2.053	2.993	7.1	20.3
3 2	11 36.07	+13 50.9	2.016	2.990	4.2	20.1
3 12	11 27.88	+14 41.1	2.007	2.988	3.8	20.0
3 22	11 19.71	+15 20.4	2.027	2.985	6.4	20.2
4 1	11 12.41	+15 44.7	2.075	2.982	9.7	20.4
4 11	11 6.70	+15 51.9	2.146	2.979	12.7	20.6
40543 1999 RZ_{107}			3 11.7 159°.91		2°.8/14.5 18	R
2 1	11 52.16	− 6 44.7	2.093	2.829	15.5	19.6
2 11	11 48.79	− 6 48.0	1.997	2.830	12.8	19.4
2 21	11 43.27	− 6 33.8	1.922	2.832	9.5	19.2
3 2	11 36.05	− 6 2.6	1.871	2.833	5.9	19.0
3 12	11 27.89	− 5 17.7	1.848	2.834	3.0	18.8
3 22	11 19.68	− 4 24.0	1.853	2.835	4.2	18.9
4 1	11 12.35	− 3 27.6	1.886	2.836	7.7	19.1
4 11	11 6.66	− 2 35.0	1.945	2.836	11.2	19.3
518870 2010 DW_{89}			3 11.7 80°.03		3°.2/ 8.7 18	
2 1	11 53.52	+ 9 37.0	1.927	2.723	14.6	21.5
2 11	11 49.94	+10 20.7	1.849	2.729	11.4	21.3
2 21	11 44.06	+11 12.8	1.794	2.736	7.8	21.1
3 2	11 36.42	+12 7.4	1.765	2.742	4.3	20.9
3 12	11 27.88	+12 57.4	1.764	2.749	3.5	20.9
3 22	11 19.43	+13 36.6	1.791	2.755	6.5	21.1
4 1	11 12.04	+14 0.5	1.845	2.762	10.1	21.3
4 11	11 6.47	+14 6.9	1.922	2.768	13.4	21.5

366236 2012 UE_{145} 3 11.7 163°.15 2°.6/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.92	+ 9 43.0	2.410	3.197	12.3	21.6
2 11	11 48.23	+10 23.3	2.323	3.198	9.6	21.4
2 21	11 42.66	+11 10.4	2.260	3.200	6.6	21.2
3 2	11 35.65	+11 59.6	2.224	3.201	3.6	21.0
3 12	11 27.91	+12 45.3	2.218	3.202	2.9	21.0
3 22	11 20.18	+13 22.5	2.241	3.203	5.5	21.1
4 1	11 13.26	+13 47.6	2.291	3.204	8.6	21.3
4 11	11 7.77	+13 58.3	2.367	3.205	11.4	21.5

185669 1995 MN_{6} 3 11.7 230°.20 7°.8/29.9 18

2 1	11 55.86	+26 26.6	2.459	3.253	11.9	20.7
2 11	11 51.65	+28 4.0	2.377	3.239	9.9	20.6
2 21	11 45.23	+29 39.6	2.319	3.224	8.4	20.4
3 2	11 37.04	+31 4.8	2.289	3.209	7.8	20.4
3 12	11 27.86	+32 11.7	2.287	3.193	8.6	20.4
3 22	11 18.60	+32 54.7	2.311	3.176	10.4	20.5
4 1	11 10.19	+33 11.3	2.359	3.159	12.6	20.6
4 11	11 3.45	+33 2.4	2.427	3.141	14.6	20.7

183964 2004 DJ_{71} 3 11.7 3°.73 0°.3/ 7.2 08 C

2 1	11 31.45	+14 33.0	32.061	32.847	1.0	22.7
2 11	11 30.74	+14 39.8	31.973	32.848	0.8	22.6
2 21	11 29.93	+14 46.7	31.912	32.850	0.6	22.6
3 2	11 29.03	+14 53.5	31.881	32.851	0.4	22.6
3 12	11 28.10	+14 59.8	31.879	32.853	0.4	22.6
3 22	11 27.17	+15 5.4	31.907	32.854	0.5	22.6
4 1	11 26.28	+15 10.2	31.964	32.856	0.8	22.6
4 11	11 25.47	+15 13.9	32.048	32.857	1.0	22.7

216313 2007 TL_{157} 3 11.7 251°.78 2°.9/14.1 16

2 1	11 53.91	− 5 52.7	1.713	2.466	17.8	21.1
2 11	11 50.87	− 5 58.0	1.611	2.455	14.7	20.8
2 21	11 45.16	− 5 42.7	1.528	2.445	11.0	20.5
3 2	11 37.21	− 5 7.1	1.468	2.434	6.7	20.3
3 12	11 27.89	− 4 14.5	1.434	2.422	3.1	20.0
3 22	11 18.35	− 3 11.2	1.427	2.411	5.0	20.1
4 1	11 9.82	− 2 5.3	1.448	2.399	9.4	20.3
4 11	11 3.33	− 1 5.1	1.492	2.387	13.7	20.5

200566 2001 OT_{63} 3 11.7 213°.55 2°.7/ 9.2 18

2 1	11 55.95	+ 6 25.8	1.809	2.597	15.7	21.2
2 11	11 52.25	+ 7 22.8	1.715	2.590	12.4	21.0
2 21	11 45.95	+ 8 33.8	1.642	2.583	8.5	20.7
3 2	11 37.53	+ 9 53.0	1.596	2.574	4.4	20.5
3 12	11 27.89	+11 11.7	1.577	2.565	3.0	20.3
3 22	11 18.13	+12 21.3	1.588	2.556	6.7	20.5
4 1	11 9.42	+13 14.8	1.625	2.545	11.0	20.8
4 11	11 2.70	+13 48.0	1.686	2.534	14.8	21.0

458534 2011 DP_{19} 3 11.7 241°.80 1°.0/12.6 17

2 1	11 55.11	− 0 27.7	2.138	2.893	14.6	21.4
2 11	11 51.15	− 0 30.3	2.033	2.884	11.8	21.2
2 21	11 44.95	− 0 20.1	1.949	2.875	8.4	20.9
3 2	11 36.96	+ 0 1.2	1.892	2.865	4.6	20.7
3 12	11 27.91	+ 0 30.1	1.863	2.855	1.0	20.4
3 22	11 18.74	+ 1 2.0	1.863	2.845	4.1	20.6
4 1	11 10.40	+ 1 31.9	1.891	2.835	8.1	20.8
4 11	11 3.71	+ 1 55.2	1.945	2.824	11.8	21.0

144672 2004 FS_{130} 3 11.7 204°.20 7°.9/29.5 18

2 1	11 59.69	+33 33.7	2.918	3.688	10.7	19.9
2 11	11 54.17	+34 36.3	2.850	3.684	9.3	19.8
2 21	11 46.65	+35 31.0	2.805	3.679	8.3	19.7
3 2	11 37.64	+36 11.3	2.787	3.674	7.9	19.7
3 12	11 27.91	+36 31.8	2.796	3.668	8.5	19.7
3 22	11 18.29	+36 29.6	2.831	3.662	9.8	19.8
4 1	11 9.63	+36 4.4	2.890	3.656	11.3	19.9
4 11	11 2.58	+35 18.3	2.971	3.649	12.9	20.0

501141 2013 TS_{53} 3 11.7 238°.50 1°.3/13.1 17

2 1	11 54.71	− 3 1.8	2.449	3.186	13.5	23.2
2 11	11 50.61	− 2 51.6	2.329	3.168	11.0	23.0
2 21	11 44.49	− 2 27.3	2.231	3.149	8.0	22.8
3 2	11 36.71	− 1 50.3	2.160	3.130	4.5	22.5
3 12	11 27.93	− 1 3.8	2.118	3.109	1.4	22.3
3 22	11 18.94	− 0 12.3	2.106	3.088	3.8	22.4
4 1	11 10.60	+ 0 38.7	2.124	3.067	7.4	22.6
4 11	11 3.67	+ 1 24.1	2.169	3.044	10.9	22.8

296587 2009 RA_{26} 3 11.7 309°.25 3°.4/ 9.2 18

2 1	11 59.25	+11 48.6	1.846	2.638	15.3	20.3
2 11	11 54.66	+12 3.8	1.761	2.637	12.1	20.1
2 21	11 47.46	+12 24.3	1.697	2.636	8.4	19.8
3 2	11 38.22	+12 44.6	1.659	2.635	4.7	19.6
3 12	11 27.89	+12 58.7	1.650	2.634	3.6	19.5
3 22	11 17.62	+13 1.4	1.668	2.633	6.8	19.7
4 1	11 8.54	+12 49.7	1.714	2.633	10.6	19.9
4 11	11 1.53	+12 22.7	1.783	2.632	14.1	20.2

37274 2000 XO_{42} 3 11.7 225°.25 2°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	12 0.21	− 4 17.2	2.154	2.882	15.3	18.2
2 11	11 55.28	− 4 38.5	2.039	2.870	12.7	18.0
2 21	11 47.92	− 4 45.9	1.946	2.856	9.4	17.7
3 2	11 38.52	− 4 39.5	1.878	2.842	5.7	17.5
3 12	11 27.88	− 4 21.3	1.839	2.827	2.7	17.3
3 22	11 16.99	− 3 54.8	1.831	2.811	4.4	17.3
4 1	11 6.91	− 3 24.9	1.851	2.795	8.3	17.5
4 11	10 58.59	− 2 57.2	1.898	2.777	12.0	17.7

162235 1999 TR_{185} 3 11.7 84°.23 1°.9/11.0 17

2 1	12 15.36	+ 9 51.9	1.143	1.936	22.6	19.3
2 11	12 8.76	+ 9 10.1	1.077	1.952	18.1	19.1
2 21	11 57.88	+ 8 33.7	1.029	1.967	12.6	18.8
3 2	11 43.62	+ 7 58.3	1.004	1.982	6.4	18.5
3 12	11 27.75	+ 7 18.9	1.005	1.997	2.0	18.2
3 22	11 12.41	+ 6 32.8	1.033	2.012	7.4	18.6
4 1	10 59.55	+ 5 38.7	1.088	2.027	13.2	19.0
4 11	10 50.40	+ 4 37.0	1.164	2.041	18.1	19.3

333654 2008 SK_{43} 3 11.7 301°.89 1°.2/10.8 17

2 1	11 54.02	+ 4 53.9	1.750	2.539	16.1	21.6
2 11	11 51.07	+ 5 5.1	1.635	2.510	12.9	21.3
2 21	11 45.41	+ 5 28.8	1.541	2.481	9.0	21.0
3 2	11 37.42	+ 6 1.7	1.472	2.452	4.6	20.7
3 12	11 27.92	+ 6 38.0	1.430	2.422	1.4	20.4
3 22	11 18.02	+ 7 11.2	1.415	2.393	5.9	20.6
4 1	11 9.00	+ 7 35.0	1.426	2.364	10.8	20.8
4 11	11 1.96	+ 7 44.7	1.460	2.335	15.2	21.0

343998 2011 QU_{8} 3 11.7 21°.78 3°.8/15.8 18

2 1	11 48.37	− 9 56.0	2.047	2.777	16.0	20.3
2 11	11 45.86	− 9 59.8	1.957	2.782	13.3	20.2
2 21	11 41.28	− 9 43.6	1.886	2.787	10.2	20.0
3 2	11 35.07	− 9 7.4	1.839	2.792	6.8	19.8
3 12	11 27.99	− 8 14.4	1.818	2.798	4.1	19.6
3 22	11 20.91	− 7 9.7	1.824	2.804	4.6	19.6
4 1	11 14.69	− 6 0.1	1.859	2.811	7.6	19.8
4 11	11 10.07	− 4 53.0	1.919	2.818	10.9	20.0

213764 2003 AQ_{80} 3 11.7 358°.76 12°.7/28.1 17

2 1	11 58.04	+36 25.4	1.725	2.524	15.9	19.5
2 11	11 54.32	+37 48.5	1.674	2.521	14.2	19.3
2 21	11 47.47	+38 57.4	1.643	2.519	13.0	19.2
3 2	11 38.23	+39 40.8	1.634	2.517	12.7	19.2
3 12	11 27.91	+39 50.1	1.648	2.517	13.6	19.3
3 22	11 17.95	+39 21.9	1.683	2.518	15.2	19.4
4 1	11 9.68	+38 17.7	1.738	2.520	17.1	19.5
4 11	11 3.98	+36 43.4	1.810	2.522	19.0	19.7

300254 2007 GH_{36} 3 11.7 241°.17 2°.2/ 9.9 17

2 1	11 55.11	+ 5 2.4	1.652	2.444	16.8	22.3
2 11	11 51.90	+ 5 48.1	1.556	2.433	13.3	22.1
2 21	11 45.91	+ 6 49.8	1.480	2.422	9.2	21.8
3 2	11 37.61	+ 8 2.1	1.430	2.410	4.6	21.5
3 12	11 27.93	+ 9 16.6	1.407	2.397	2.5	21.3
3 22	11 18.07	+10 24.1	1.411	2.384	6.7	21.5
4 1	11 9.30	+11 16.7	1.441	2.371	11.4	21.8
4 11	11 2.68	+11 49.4	1.495	2.357	15.6	22.0

279586 2011 EE 3 11.7 51°.44 1°.7/10.0 18 R

2 1	11 50.62	+ 4 15.6	1.925	2.713	14.9	20.5
2 11	11 47.74	+ 5 4.4	1.839	2.715	11.7	20.3
2 21	11 42.63	+ 6 7.0	1.776	2.716	8.0	20.1
3 2	11 35.78	+ 7 18.3	1.738	2.718	3.9	19.8
3 12	11 27.99	+ 8 31.0	1.728	2.719	1.9	19.7
3 22	11 20.20	+ 9 37.8	1.747	2.721	5.5	19.9
4 1	11 13.37	+10 32.1	1.793	2.723	9.5	20.2
4 11	11 8.27	+11 9.8	1.863	2.725	13.0	20.4

447431 2006 DE_{42} 3 11.7 45°.96 0°.0/11.6 18

2 1	11 51.80	− 1 10.0	1.141	1.949	21.8	21.1
2 11	11 49.84	− 0 30.0	1.087	1.970	17.3	20.9
2 21	11 44.60	+ 0 35.5	1.050	1.991	12.0	20.6
3 2	11 36.86	+ 2 0.3	1.034	2.014	6.0	20.4
3 12	11 27.96	+ 3 33.4	1.043	2.037	0.2	20.0
3 22	11 19.39	+ 5 2.2	1.077	2.060	6.2	20.5
4 1	11 12.56	+ 6 15.9	1.134	2.084	11.6	20.9
4 11	11 8.38	+ 7 7.6	1.213	2.108	16.2	21.2

207462 2006 GG_{37} 3 11.7 289°.50 2°.8/ 9.6 16

2 1	11 53.94	+ 6 52.8	1.506	2.311	17.5	20.5
2 11	11 51.31	+ 7 28.6	1.410	2.295	13.9	20.2
2 21	11 45.72	+ 8 19.0	1.334	2.278	9.6	19.9
3 2	11 37.60	+ 9 18.3	1.281	2.261	5.0	19.6
3 12	11 27.94	+10 17.8	1.255	2.244	3.1	19.5
3 22	11 18.03	+11 8.5	1.255	2.228	7.4	19.7
4 1	11 9.29	+11 42.6	1.280	2.211	12.3	19.9
4 11	11 2.87	+11 55.8	1.326	2.195	16.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
420609 2012 HQ_{55}			3 11.7	56°.59	1°.3/10.8	18
	h m	° ′			°	m
2 1	11 59.17	+ 6 26.5	1.690	2.476	16.7	20.2
2 11	11 54.76	+ 6 23.3	1.610	2.482	13.2	20.0
2 21	11 47.61	+ 6 29.4	1.550	2.488	9.1	19.7
3 2	11 38.32	+ 6 41.1	1.516	2.495	4.5	19.5
3 12	11 27.93	+ 6 53.0	1.508	2.501	1.4	19.3
3 22	11 17.64	+ 7 0.1	1.530	2.507	5.6	19.6
4 1	11 8.64	+ 6 58.3	1.578	2.514	10.0	19.8
4 11	11 1.84	+ 6 45.1	1.649	2.521	13.9	20.1
165724 2001 QC_{101}			3 11.7	111°.84	5°.1/ 5.5	18
2 1	11 53.41	+18 23.1	2.495	3.291	11.6	20.2
2 11	11 49.30	+19 27.0	2.429	3.305	9.2	20.0
2 21	11 43.33	+20 31.8	2.388	3.318	6.8	19.9
3 2	11 35.99	+21 31.2	2.374	3.331	5.2	19.8
3 12	11 28.00	+22 19.0	2.389	3.344	5.5	19.9
3 22	11 20.14	+22 50.9	2.433	3.357	7.5	20.0
4 1	11 13.16	+23 4.6	2.503	3.369	9.8	20.2
4 11	11 7.66	+22 59.9	2.596	3.381	12.1	20.3
291677 2006 HM_{84}			3 11.7	352°.48	0°.8/12.4	18
2 1	11 51.12	− 2 13.7	1.496	2.279	18.6	21.1
2 11	11 48.87	− 1 47.3	1.410	2.278	15.0	20.9
2 21	11 43.84	− 0 58.5	1.344	2.278	10.7	20.6
3 2	11 36.55	+ 0 9.6	1.301	2.277	5.7	20.3
3 12	11 27.98	+ 1 29.9	1.283	2.277	0.8	20.0
3 22	11 19.36	+ 2 53.0	1.292	2.276	5.3	20.3
4 1	11 11.95	+ 4 8.9	1.327	2.276	10.3	20.6
4 11	11 6.75	+ 5 9.7	1.385	2.276	14.8	20.8
380369 2002 TJ_{209}			3 11.7	118°.45	4°.5/ 6.1	18
2 1	11 54.15	+16 50.9	2.567	3.358	11.5	21.4
2 11	11 49.79	+17 50.3	2.500	3.374	9.0	21.2
2 21	11 43.61	+18 51.3	2.457	3.390	6.5	21.1
3 2	11 36.12	+19 48.0	2.443	3.405	4.7	21.0
3 12	11 28.00	+20 34.7	2.459	3.420	4.9	21.0
3 22	11 20.02	+21 7.1	2.503	3.435	6.9	21.2
4 1	11 12.90	+21 22.8	2.574	3.449	9.3	21.4
4 11	11 7.22	+21 21.3	2.669	3.462	11.6	21.5
112922 2002 QN_{63}			3 11.7	170°.03	1°.4/10.1	18
2 1	11 51.79	+ 5 13.9	2.387	3.163	12.7	21.0
2 11	11 48.17	+ 5 51.7	2.296	3.165	10.0	20.9
2 21	11 42.67	+ 6 39.4	2.229	3.166	6.8	20.7
3 2	11 35.72	+ 7 33.1	2.189	3.168	3.4	20.4
3 12	11 28.01	+ 8 27.3	2.178	3.169	1.6	20.3
3 22	11 20.30	+ 9 16.7	2.197	3.170	4.7	20.5
4 1	11 13.38	+ 9 56.8	2.245	3.171	8.1	20.7
4 11	11 7.88	+10 24.2	2.317	3.171	11.1	20.9
128033 2003 KX_{17}			3 11.7	220°.14	4°.2/ 7.2	18
2 1	11 53.28	+12 42.6	2.145	2.942	13.3	20.3
2 11	11 49.67	+13 43.2	2.057	2.937	10.4	20.1
2 21	11 43.89	+14 50.6	1.992	2.931	7.3	19.9
3 2	11 36.41	+15 58.3	1.954	2.926	4.7	19.7
3 12	11 27.99	+16 59.0	1.945	2.920	4.6	19.7
3 22	11 19.55	+17 46.3	1.964	2.913	7.2	19.8
4 1	11 12.00	+18 15.7	2.010	2.907	10.4	20.0
4 11	11 6.12	+18 25.6	2.079	2.900	13.4	20.2
159741 2003 EO_{49}			3 11.7	250°.41	0°.1/11.6	17
2 1	11 56.55	+ 1 8.8	1.849	2.618	16.1	20.8
2 11	11 52.85	+ 1 28.2	1.738	2.599	13.0	20.5
2 21	11 46.51	+ 2 3.6	1.647	2.579	9.2	20.3
3 2	11 37.93	+ 2 52.1	1.581	2.559	4.7	19.9
3 12	11 27.95	+ 3 48.4	1.544	2.537	0.2	19.5
3 22	11 17.65	+ 4 45.4	1.535	2.515	5.2	19.9
4 1	11 8.25	+ 5 36.0	1.553	2.492	10.0	20.1
4 11	11 0.78	+ 6 14.0	1.596	2.469	14.2	20.3
373850 2003 HK_{43}			3 11.7	339°.97	3°.3/14.3	17
2 1	11 43.83	− 5 37.1	1.299	2.094	20.3	20.3
2 11	11 43.65	− 5 48.5	1.205	2.075	16.9	20.0
2 21	11 40.61	− 5 34.4	1.127	2.057	12.6	19.7
3 2	11 35.08	− 4 54.4	1.071	2.041	7.8	19.4
3 12	11 28.02	− 3 52.4	1.037	2.026	3.5	19.1
3 22	11 20.68	− 2 36.4	1.027	2.013	5.6	19.1
4 1	11 14.51	− 1 17.5	1.040	2.001	10.8	19.4
4 11	11 10.68	− 0 7.0	1.074	1.992	15.9	19.6
386138 2007 TU_{93}			3 11.7	99°.56	1°.4/10.2	18
2 1	11 51.58	+ 5 4.9	2.353	3.129	12.8	21.5
2 11	11 47.95	+ 5 41.0	2.272	3.141	10.1	21.3
2 21	11 42.46	+ 6 26.7	2.215	3.152	6.8	21.1
3 2	11 35.59	+ 7 18.0	2.184	3.163	3.4	20.9
3 12	11 28.02	+ 8 9.6	2.184	3.175	1.5	20.8
3 22	11 20.52	+ 8 56.2	2.212	3.186	4.6	21.0
4 1	11 13.86	+ 9 33.5	2.269	3.197	7.9	21.3
4 11	11 8.64	+ 9 58.5	2.351	3.207	10.9	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
298820 2004 RT_{71}			3 11.7	137°.59	2°.1/ 9.9	18
	h m	° ′			°	m
2 1	11 57.68	+ 5 46.3	1.801	2.584	15.9	21.5
2 11	11 53.38	+ 6 28.0	1.724	2.596	12.5	21.3
2 21	11 46.54	+ 7 22.0	1.668	2.607	8.5	21.1
3 2	11 37.75	+ 8 22.6	1.638	2.617	4.3	20.8
3 12	11 27.96	+ 9 22.5	1.637	2.627	2.3	20.7
3 22	11 18.29	+10 14.3	1.664	2.636	6.0	21.0
4 1	11 9.81	+10 52.5	1.718	2.644	10.1	21.2
4 11	11 3.37	+11 13.6	1.797	2.652	13.7	21.5
47124 1999 CS_{99}			3 11.8	225°.31	3°.0/ 7.8	18
2 1	11 50.09	+ 9 54.7	2.570	3.358	11.6	18.8
2 11	11 46.79	+10 58.9	2.474	3.350	9.0	18.6
2 21	11 41.71	+12 11.1	2.403	3.342	6.2	18.4
3 2	11 35.26	+13 26.2	2.359	3.334	3.6	18.2
3 12	11 28.04	+14 37.8	2.346	3.326	3.4	18.2
3 22	11 20.76	+15 40.2	2.362	3.317	5.8	18.3
4 1	11 14.16	+16 28.9	2.406	3.308	8.7	18.5
4 11	11 8.86	+17 1.2	2.475	3.299	11.5	18.7
369251 2009 DF_{137}			3 11.8	59°.67	15°.7/ 5.4	17
2 1	12 19.30	+34 18.2	1.074	1.878	23.1	20.0
2 11	12 12.67	+35 24.2	1.028	1.887	20.1	19.8
2 21	12 0.83	+36 11.7	0.999	1.896	17.4	19.7
3 2	11 45.07	+36 22.1	0.989	1.906	15.8	19.6
3 12	11 27.79	+35 41.9	1.001	1.915	16.1	19.7
3 22	11 11.73	+34 9.4	1.033	1.925	18.2	19.8
4 1	10 59.07	+31 53.1	1.087	1.935	21.0	20.0
4 11	10 50.88	+29 7.3	1.157	1.945	23.8	20.3
293281 2007 CY_{56}			3 11.8	53°.22	2°.9/14.1	18
2 1	11 54.58	− 4 58.2	1.601	2.361	18.5	20.2
2 11	11 51.20	− 5 13.2	1.529	2.379	15.1	20.0
2 21	11 45.17	− 5 8.4	1.477	2.397	11.1	19.8
3 2	11 37.09	− 4 45.0	1.448	2.415	6.7	19.6
3 12	11 28.00	− 4 7.0	1.445	2.433	3.0	19.4
3 22	11 19.06	− 3 20.7	1.469	2.452	4.8	19.6
4 1	11 11.42	− 2 33.5	1.519	2.471	9.0	19.9
4 11	11 5.92	− 1 52.1	1.593	2.490	12.9	20.2
422057 2014 QT_{367}			3 11.8	118°.84	1°.9/ 9.7	18
2 1	11 54.26	+ 4 37.5	2.069	2.846	14.3	22.2
2 11	11 50.29	+ 5 38.8	1.995	2.864	11.2	22.0
2 21	11 44.19	+ 6 52.4	1.944	2.882	7.6	21.8
3 2	11 36.49	+ 8 12.7	1.920	2.899	3.8	21.6
3 12	11 28.02	+ 9 32.4	1.926	2.916	2.1	21.5
3 22	11 19.67	+10 44.2	1.961	2.932	5.4	21.7
4 1	11 12.33	+11 42.4	2.025	2.947	9.0	22.0
4 11	11 6.69	+12 23.7	2.113	2.962	12.2	22.2
291737 2006 JT_{49}			3 11.8	330°.67	3°.3/14.1	17
2 1	11 48.04	− 5 10.5	1.259	2.051	21.0	20.5
2 11	11 47.14	− 5 25.7	1.167	2.036	17.4	20.2
2 21	11 43.13	− 5 15.9	1.093	2.023	13.0	19.9
3 2	11 36.41	− 4 40.5	1.039	2.010	7.9	19.6
3 12	11 28.01	− 3 43.5	1.008	1.998	3.5	19.3
3 22	11 19.33	− 2 32.9	1.001	1.987	5.9	19.4
4 1	11 11.91	− 1 19.8	1.017	1.977	11.3	19.6
4 11	11 7.04	− 0 15.3	1.055	1.968	16.4	19.9
79698 1998 SE_{71}			3 11.8	65°.88	0°.4/12.1	18
2 1	11 52.42	− 1 58.4	1.584	2.362	18.0	19.3
2 11	11 49.46	− 1 20.0	1.517	2.382	14.3	19.1
2 21	11 43.93	− 0 21.0	1.469	2.402	10.0	18.9
3 2	11 36.45	+ 0 54.0	1.446	2.422	5.2	18.7
3 12	11 28.02	+ 2 17.2	1.449	2.442	0.4	18.3
3 22	11 19.79	+ 3 39.5	1.480	2.463	4.9	18.7
4 1	11 12.83	+ 4 52.3	1.538	2.483	9.5	19.0
4 11	11 7.95	+ 5 49.4	1.619	2.503	13.4	19.3
372721 2009 XD_{21}			3 11.8	151°.69	5°.1/ 5.1	18
2 1	11 54.36	+17 46.3	2.556	3.348	11.5	21.5
2 11	11 50.06	+19 4.8	2.485	3.359	9.1	21.3
2 21	11 43.89	+20 25.3	2.438	3.368	6.7	21.2
3 2	11 36.32	+21 41.2	2.420	3.377	5.2	21.1
3 12	11 28.04	+22 45.7	2.432	3.385	5.6	21.1
3 22	11 19.82	+23 33.9	2.472	3.393	7.6	21.3
4 1	11 12.45	+24 2.8	2.540	3.399	9.9	21.4
4 11	11 6.54	+24 12.1	2.630	3.406	12.2	21.6
73282 2002 JH_{61}			3 11.8	227°.00	4°.6/ 7.4	18
2 1	11 55.91	+12 25.4	1.864	2.663	14.9	20.3
2 11	11 52.18	+13 27.6	1.774	2.655	11.7	20.1
2 21	11 45.88	+14 38.3	1.706	2.646	8.3	19.8
3 2	11 37.53	+15 50.1	1.665	2.637	5.2	19.6
3 12	11 28.00	+16 54.2	1.651	2.628	5.1	19.6
3 22	11 18.40	+17 43.0	1.666	2.618	8.1	19.8
4 1	11 9.85	+18 11.3	1.706	2.607	11.8	20.0
4 11	11 3.27	+18 17.2	1.769	2.596	15.2	20.2

327249 2005 SO_{72} 3 11.8 91°.54 4°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	12 0.17	+14 30.0	1.839	2.633	15.2	20.7
2 11	11 55.27	+14 59.2	1.766	2.644	12.0	20.5
2 21	11 47.79	+15 31.8	1.717	2.654	8.4	20.3
3 2	11 38.35	+16 1.3	1.693	2.664	5.3	20.1
3 12	11 27.99	+16 20.7	1.697	2.675	4.8	20.1
3 22	11 17.83	+16 25.3	1.729	2.685	7.5	20.3
4 1	11 8.98	+16 12.6	1.788	2.695	11.0	20.5
4 11	11 2.24	+15 42.6	1.871	2.704	14.2	20.7

314664 2006 QS_{15} 3 11.8 137°.43 2°.4/ 9.3 18

2 1	11 54.03	+ 6 1.2	1.891	2.678	15.1	21.6
2 11	11 50.43	+ 7 0.6	1.812	2.687	11.8	21.4
2 21	11 44.48	+ 8 12.8	1.755	2.696	8.0	21.1
3 2	11 36.73	+ 9 31.5	1.725	2.704	4.1	20.9
3 12	11 28.04	+10 48.8	1.723	2.711	2.7	20.8
3 22	11 19.42	+11 56.9	1.750	2.718	6.2	21.1
4 1	11 11.85	+12 49.6	1.804	2.725	10.0	21.3
4 11	11 6.14	+13 23.4	1.882	2.731	13.5	21.5

200633 2001 SA_{181} 3 11.8 179°.27 0°.2/11.9 18

2 1	11 56.50	− 0 38.0	1.918	2.678	15.9	22.3
2 11	11 52.45	− 0 8.5	1.825	2.680	12.8	22.1
2 21	11 45.96	+ 0 38.0	1.753	2.682	9.0	21.9
3 2	11 37.53	+ 1 38.0	1.707	2.682	4.6	21.6
3 12	11 28.02	+ 2 45.9	1.689	2.682	0.2	21.2
3 22	11 18.47	+ 3 54.3	1.700	2.681	4.7	21.6
4 1	11 9.94	+ 4 56.0	1.740	2.679	9.0	21.8
4 11	11 3.28	+ 5 45.4	1.804	2.677	12.9	22.1

468524 2005 UM_{413} 3 11.8 11°.82 7°.7/18.9 18

2 1	11 45.16	−16 32.0	1.383	2.119	22.1	20.8
2 11	11 44.45	−17 4.8	1.305	2.122	19.1	20.6
2 21	11 40.94	−17 5.2	1.242	2.127	15.6	20.4
3 2	11 35.14	−16 30.1	1.198	2.134	11.7	20.2
3 12	11 28.08	−15 21.0	1.176	2.141	8.5	20.0
3 22	11 21.00	−13 44.7	1.178	2.150	7.9	20.0
4 1	11 15.18	−11 52.8	1.204	2.160	10.3	20.1
4 11	11 11.63	− 9 59.1	1.252	2.171	13.9	20.4

21781 1999 RE_{239} 3 11.8 298°.87 3°.5/ 8.5 18

2 1	11 51.44	+ 7 6.9	1.576	2.384	16.7	19.0
2 11	11 49.02	+ 8 15.7	1.493	2.380	13.2	18.7
2 21	11 43.89	+ 9 40.0	1.431	2.377	9.0	18.5
3 2	11 36.58	+11 12.3	1.394	2.373	4.8	18.2
3 12	11 28.05	+12 42.3	1.384	2.370	3.9	18.1
3 22	11 19.48	+13 59.8	1.401	2.367	7.7	18.4
4 1	11 12.08	+14 56.9	1.443	2.364	12.1	18.6
4 11	11 6.81	+15 29.8	1.507	2.361	16.0	18.8

384149 2008 YK_{165} 3 11.8 1°.40 9°.5/ 1.5 18

2 1	11 49.39	+24 34.6	1.670	2.497	15.0	19.8
2 11	11 47.36	+26 19.3	1.610	2.496	12.5	19.7
2 21	11 42.67	+28 1.6	1.573	2.495	10.3	19.5
3 2	11 35.90	+29 30.1	1.560	2.495	9.5	19.5
3 12	11 28.07	+30 34.2	1.571	2.497	10.5	19.5
3 22	11 20.35	+31 7.5	1.607	2.499	12.7	19.7
4 1	11 13.89	+31 7.8	1.663	2.501	15.3	19.8
4 11	11 9.55	+30 37.3	1.738	2.505	17.8	20.0

4762 Dobrynya 3 11.8 57°.35 2°.1/10.4 18

2 1	12 0.12	+ 6 49.2	1.309	2.113	19.7	16.6
2 11	11 55.99	+ 7 1.8	1.252	2.135	15.5	16.4
2 21	11 48.64	+ 7 26.6	1.214	2.157	10.6	16.2
3 2	11 38.86	+ 7 57.6	1.200	2.180	5.3	15.9
3 12	11 28.00	+ 8 26.8	1.211	2.203	2.3	15.8
3 22	11 17.57	+ 8 47.2	1.249	2.226	6.8	16.1
4 1	11 8.91	+ 8 53.8	1.311	2.249	11.6	16.5
4 11	11 2.94	+ 8 44.6	1.396	2.272	15.7	16.8

248485 2005 UM_{243} 3 11.8 147°.15 2°.7/ 8.3 18

2 1	11 51.72	+11 44.1	2.898	3.681	10.5	20.8
2 11	11 47.72	+12 19.0	2.813	3.685	8.2	20.7
2 21	11 42.16	+12 58.0	2.753	3.690	5.7	20.5
3 2	11 35.42	+13 37.1	2.721	3.695	3.3	20.3
3 12	11 28.09	+14 11.9	2.719	3.699	2.9	20.3
3 22	11 20.80	+14 38.6	2.746	3.703	5.0	20.5
4 1	11 14.19	+14 54.6	2.803	3.707	7.6	20.6
4 11	11 8.78	+14 58.3	2.885	3.711	9.9	20.8

399393 2001 SE_{214} 3 11.8 218°.57 0°.9/10.9 14 C

2 1	11 55.12	+ 1 21.4	1.954	2.722	15.4	23.1
2 11	11 51.46	+ 2 12.0	1.850	2.713	12.3	22.8
2 21	11 45.37	+ 3 20.1	1.768	2.702	8.5	22.6
3 2	11 37.30	+ 4 41.4	1.712	2.690	4.2	22.3
3 12	11 28.04	+ 6 8.8	1.685	2.678	1.0	22.0
3 22	11 18.62	+ 7 34.1	1.688	2.664	5.3	22.3
4 1	11 10.09	+ 8 49.3	1.718	2.650	9.7	22.5
4 11	11 3.37	+ 9 48.3	1.774	2.635	13.6	22.7

38370 1999 RB_{165} 3 11.8 9°.65 1°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.78	− 5 29.5	1.848	2.606	16.5	19.0
2 11	11 46.46	− 5 1.5	1.756	2.606	13.4	18.8
2 21	11 41.86	− 4 12.1	1.685	2.607	9.8	18.6
3 2	11 35.47	− 3 3.7	1.638	2.608	5.6	18.3
3 12	11 28.09	− 1 41.6	1.618	2.609	1.9	18.1
3 22	11 20.67	− 0 13.5	1.626	2.610	4.3	18.2
4 1	11 14.21	+ 1 12.0	1.661	2.612	8.5	18.5
4 11	11 9.49	+ 2 27.0	1.722	2.614	12.4	18.7

236747 2007 LR_{3} 3 11.8 295°.71 2°.0/10.2 17

2 1	11 51.52	+ 3 51.4	1.375	2.183	18.7	20.8
2 11	11 49.69	+ 4 33.4	1.280	2.166	15.0	20.5
2 21	11 44.79	+ 5 35.7	1.205	2.150	10.4	20.2
3 2	11 37.24	+ 6 52.8	1.152	2.133	5.2	19.9
3 12	11 28.04	+ 8 15.4	1.125	2.116	2.3	19.6
3 22	11 18.56	+ 9 32.4	1.123	2.100	7.3	19.9
4 1	11 10.28	+10 33.4	1.146	2.084	12.7	20.1
4 11	11 4.45	+11 11.6	1.189	2.068	17.6	20.4

390641 2002 NB_{60} 3 11.8 226°.11 3°.2/ 8.9 18

2 1	11 55.62	+ 6 25.4	1.653	2.448	16.7	22.2
2 11	11 52.34	+ 7 33.0	1.559	2.438	13.2	22.0
2 21	11 46.26	+ 8 57.2	1.486	2.428	9.1	21.7
3 2	11 37.85	+10 31.1	1.438	2.417	4.8	21.4
3 12	11 28.05	+12 4.8	1.418	2.405	3.6	21.3
3 22	11 18.07	+13 27.8	1.426	2.392	7.5	21.5
4 1	11 9.19	+14 31.7	1.460	2.379	12.1	21.7
4 11	11 2.48	+15 11.7	1.516	2.365	16.2	21.9

277792 2006 EV_{14} 3 11.8 350°.96 0°.6/11.2 18

2 1	11 52.91	+ 3 10.9	1.939	2.719	15.1	20.6
2 11	11 49.57	+ 3 27.4	1.849	2.718	12.0	20.4
2 21	11 43.94	+ 3 56.3	1.781	2.717	8.3	20.2
3 2	11 36.50	+ 4 34.1	1.738	2.717	4.1	19.9
3 12	11 28.08	+ 5 15.5	1.723	2.716	0.7	19.7
3 22	11 19.65	+ 5 54.6	1.736	2.716	4.8	20.0
4 1	11 12.18	+ 6 26.1	1.777	2.716	8.9	20.2
4 11	11 6.48	+ 6 45.9	1.842	2.716	12.6	20.4

206179 2002 TZ_{295} 3 11.8 149°.80 2°.5/14.6 18

2 1	11 53.94	− 6 22.9	2.699	3.415	12.8	20.4
2 11	11 49.63	− 6 33.9	2.601	3.422	10.5	20.2
2 21	11 43.58	− 6 31.8	2.526	3.429	7.9	20.0
3 2	11 36.19	− 6 17.3	2.477	3.435	5.0	19.9
3 12	11 28.10	− 5 52.5	2.457	3.442	2.6	19.7
3 22	11 19.99	− 5 20.6	2.467	3.447	3.5	19.8
4 1	11 12.58	− 4 45.8	2.507	3.453	6.3	20.0
4 11	11 6.48	− 4 12.3	2.575	3.458	9.1	20.2

465105 2006 UD_{290} 3 11.8 59°.50 1°.7/13.2 18

2 1	11 55.22	− 2 47.8	1.551	2.322	18.6	22.0
2 11	11 51.73	− 2 46.9	1.485	2.343	15.0	21.8
2 21	11 45.54	− 2 26.6	1.438	2.365	10.7	21.6
3 2	11 37.29	− 1 49.6	1.414	2.386	6.0	21.4
3 12	11 28.07	− 1 1.3	1.416	2.408	1.8	21.2
3 22	11 19.07	− 0 9.0	1.446	2.430	4.8	21.4
4 1	11 11.43	+ 0 39.9	1.502	2.452	9.3	21.7
4 11	11 5.99	+ 1 19.1	1.582	2.474	13.2	22.0

464496 2016 BZ_{69} 3 11.8 248°.26 3°.5/ 8.4 16

2 1	11 53.31	+ 8 13.7	1.747	2.546	15.7	21.7
2 11	11 50.32	+ 9 17.4	1.654	2.537	12.4	21.5
2 21	11 44.73	+10 34.6	1.583	2.526	8.5	21.2
3 2	11 37.01	+11 58.3	1.538	2.516	4.7	20.9
3 12	11 28.07	+13 19.5	1.520	2.505	3.9	20.9
3 22	11 19.00	+14 29.1	1.530	2.494	7.5	21.0
4 1	11 10.97	+15 19.8	1.566	2.482	11.6	21.3
4 11	11 4.93	+15 48.1	1.625	2.471	15.4	21.5

500438 2012 TO_{164} 3 11.8 34°.08 1°.2/13.2 17

2 1	11 48.23	− 4 14.0	2.082	2.838	14.9	21.5
2 11	11 45.70	− 3 42.2	1.992	2.842	12.1	21.3
2 21	11 41.16	− 2 52.3	1.923	2.847	8.6	21.1
3 2	11 35.05	− 1 46.7	1.880	2.851	4.8	20.9
3 12	11 28.12	− 0 30.8	1.864	2.856	1.3	20.6
3 22	11 21.19	+ 0 48.8	1.877	2.861	3.9	20.8
4 1	11 15.11	+ 2 4.9	1.919	2.866	7.7	21.1
4 11	11 10.57	+ 3 11.2	1.985	2.872	11.2	21.3

232731 2004 EH_{15} 3 11.8 336°.39 3°.9/ 7.2 18

2 1	11 49.12	+11 9.5	2.106	2.909	13.2	20.0
2 11	11 46.44	+12 19.5	2.021	2.906	10.4	19.8
2 21	11 41.69	+13 38.0	1.960	2.903	7.2	19.6
3 2	11 35.34	+14 58.3	1.926	2.900	4.5	19.4
3 12	11 28.12	+16 12.8	1.921	2.898	4.4	19.4
3 22	11 20.89	+17 14.4	1.943	2.895	7.1	19.6
4 1	11 14.51	+17 58.2	1.992	2.893	10.3	19.8
4 11	11 9.72	+18 21.8	2.064	2.891	13.3	20.0

332904 2011 BD_{56} 3 11.8 293°.20 1°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.50	+ 1 40.0	1.805	2.591	15.8	20.7
2 11	11 47.15	+ 2 31.8	1.710	2.583	12.5	20.5
2 21	11 42.44	+ 3 41.6	1.636	2.575	8.6	20.2
3 2	11 35.82	+ 5 4.9	1.587	2.567	4.3	19.9
3 12	11 28.11	+ 6 33.9	1.566	2.559	1.3	19.7
3 22	11 20.28	+ 7 59.7	1.573	2.551	5.5	20.0
4 1	11 13.40	+ 9 14.2	1.607	2.543	9.9	20.2
4 11	11 8.33	+10 11.1	1.665	2.536	13.9	20.4

155511 1999 RU_{143} 3 11.8 152°.08 1°.1/12.9 18

2 1	11 52.09	− 2 59.3	2.335	3.081	13.8	21.0
2 11	11 48.46	− 2 36.4	2.242	3.087	11.1	20.8
2 21	11 42.92	− 1 58.6	2.172	3.093	7.9	20.6
3 2	11 35.91	− 1 8.1	2.127	3.099	4.4	20.4
3 12	11 28.11	− 0 9.3	2.111	3.104	1.1	20.1
3 22	11 20.31	+ 0 52.5	2.125	3.108	3.6	20.3
4 1	11 13.32	+ 1 51.4	2.168	3.112	7.2	20.6
4 11	11 7.78	+ 2 42.4	2.238	3.116	10.5	20.8

337025 1995 SY_{24} 3 11.8 95°.84 1°.0/10.5 17

2 1	11 51.54	+ 4 9.6	2.497	3.267	12.4	21.9
2 11	11 47.78	+ 4 44.2	2.419	3.284	9.7	21.7
2 21	11 42.29	+ 5 28.4	2.365	3.300	6.6	21.6
3 2	11 35.52	+ 6 18.3	2.338	3.317	3.2	21.4
3 12	11 28.12	+ 7 9.0	2.341	3.333	1.1	21.2
3 22	11 20.82	+ 7 55.8	2.374	3.349	4.1	21.5
4 1	11 14.31	+ 8 34.4	2.436	3.365	7.3	21.7
4 11	11 9.17	+ 9 1.9	2.523	3.381	10.2	21.9

375963 2009 WJ_{203} 3 11.8 114°.48 1°.7/13.5 17

2 1	11 52.54	− 4 0.5	2.080	2.828	15.2	21.4
2 11	11 49.06	− 3 48.9	1.992	2.836	12.3	21.2
2 21	11 43.46	− 3 20.8	1.925	2.845	8.9	21.0
3 2	11 36.21	− 2 38.0	1.883	2.852	5.1	20.8
3 12	11 28.10	− 1 44.8	1.869	2.860	1.8	20.6
3 22	11 20.02	− 0 46.8	1.884	2.868	3.9	20.7
4 1	11 12.85	+ 0 9.6	1.928	2.875	7.7	21.0
4 11	11 7.32	+ 0 58.8	1.997	2.882	11.2	21.2

172062 2001 XV_{227} 3 11.8 126°.72 3°.7/16.2 17

2 1	11 51.35	−10 50.4	2.586	3.287	13.6	20.9
2 11	11 47.74	−11 4.2	2.489	3.293	11.5	20.8
2 21	11 42.36	−11 2.0	2.412	3.299	8.9	20.6
3 2	11 35.61	−10 43.7	2.360	3.305	6.2	20.4
3 12	11 28.12	−10 11.1	2.336	3.310	4.0	20.3
3 22	11 20.61	− 9 27.7	2.341	3.316	4.3	20.3
4 1	11 13.81	− 8 38.1	2.375	3.321	6.6	20.5
4 11	11 8.32	− 7 47.6	2.436	3.326	9.3	20.7

429876 2012 SO_{42} 3 11.8 250°.00 1°.9/13.8 17

2 1	11 50.31	− 5 1.5	2.244	2.987	14.4	21.2
2 11	11 47.26	− 4 48.3	2.141	2.982	11.7	21.0
2 21	11 42.23	− 4 18.5	2.059	2.976	8.6	20.8
3 2	11 35.62	− 3 33.4	2.002	2.970	5.1	20.6
3 12	11 28.12	− 2 37.0	1.974	2.964	2.0	20.4
3 22	11 20.53	− 1 34.3	1.974	2.958	3.8	20.5
4 1	11 13.70	− 0 31.6	2.003	2.951	7.4	20.7
4 11	11 8.35	+ 0 25.1	2.058	2.945	10.9	20.9

469729 2005 NY_{8} 3 11.8 293°.39 5°.0/ 5.3 16

2 1	11 48.55	+13 31.6	2.196	3.002	12.7	21.7
2 11	11 46.10	+15 4.9	2.095	2.981	10.0	21.5
2 21	11 41.57	+16 47.5	2.018	2.959	7.2	21.3
3 2	11 35.36	+18 32.1	1.969	2.937	5.2	21.1
3 12	11 28.13	+20 9.7	1.949	2.915	5.7	21.1
3 22	11 20.73	+21 32.2	1.957	2.893	8.3	21.2
4 1	11 14.05	+22 33.7	1.991	2.871	11.4	21.4
4 11	11 8.89	+23 11.2	2.048	2.849	14.3	21.5

41727 2000 UR_{91} 3 11.8 305°.60 0°.8/12.4 18

2 1	11 54.48	+ 0 9.6	1.477	2.263	18.7	19.2
2 11	11 51.73	+ 0 5.5	1.385	2.255	15.1	18.9
2 21	11 46.01	+ 0 18.7	1.311	2.246	10.8	18.6
3 2	11 37.79	+ 0 47.2	1.261	2.237	5.8	18.3
3 12	11 28.07	+ 1 25.9	1.236	2.229	0.9	17.9
3 22	11 18.18	+ 2 7.7	1.237	2.221	5.4	18.2
4 1	11 9.51	+ 2 44.9	1.264	2.214	10.7	18.5
4 11	11 3.19	+ 3 11.1	1.313	2.206	15.4	18.8

403880 2011 WV_{82} 3 11.8 209°.82 3°.6/ 8.3 18

2 1	11 57.53	+10 14.8	1.995	2.783	14.4	22.2
2 11	11 53.27	+11 10.8	1.901	2.776	11.4	22.0
2 21	11 46.56	+12 16.3	1.830	2.768	7.9	21.8
3 2	11 37.88	+13 25.0	1.785	2.760	4.6	21.6
3 12	11 28.08	+14 28.8	1.769	2.751	4.0	21.5
3 22	11 18.18	+15 20.6	1.782	2.741	7.1	21.7
4 1	11 9.27	+15 55.1	1.823	2.730	10.8	21.9
4 11	11 2.23	+16 9.8	1.887	2.718	14.2	22.1

123331 2000 VC_{40} 3 11.8 142°.77 2°.6/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.75	− 6 36.5	2.248	2.977	14.7	21.1
2 11	11 49.87	− 6 36.1	2.156	2.985	12.1	20.9
2 21	11 43.95	− 6 19.2	2.084	2.992	9.0	20.7
3 2	11 36.46	− 5 46.7	2.038	3.000	5.6	20.5
3 12	11 28.13	− 5 1.9	2.020	3.006	2.8	20.3
3 22	11 19.79	− 4 9.4	2.031	3.013	3.9	20.4
4 1	11 12.31	− 3 14.9	2.071	3.019	7.3	20.6
4 11	11 6.39	− 2 24.3	2.137	3.025	10.5	20.8

135686 2002 OK_{8} 3 11.8 249°.06 0°.1/11.6 17

2 1	11 53.88	+ 0 42.1	1.901	2.672	15.6	20.8
2 11	11 50.59	+ 1 8.9	1.795	2.658	12.6	20.5
2 21	11 44.85	+ 1 52.1	1.711	2.644	8.8	20.3
3 2	11 37.09	+ 2 48.6	1.651	2.628	4.5	20.0
3 12	11 28.11	+ 3 52.7	1.619	2.613	0.2	19.6
3 22	11 18.92	+ 4 57.2	1.616	2.597	4.9	19.9
4 1	11 10.61	+ 5 54.9	1.641	2.581	9.5	20.2
4 11	11 4.13	+ 6 39.9	1.690	2.564	13.5	20.4

356953 2012 WV_{10} 3 11.8 121°.20 3°.9/16.2 17

2 1	11 50.93	−10 49.1	2.447	3.153	14.2	20.8
2 11	11 47.56	−11 3.1	2.348	3.155	12.0	20.7
2 21	11 42.32	−11 0.2	2.269	3.158	9.3	20.5
3 2	11 35.63	−10 40.3	2.215	3.161	6.4	20.3
3 12	11 28.14	−10 5.2	2.188	3.163	4.2	20.2
3 22	11 20.61	− 9 18.5	2.190	3.166	4.4	20.2
4 1	11 13.81	− 8 25.3	2.221	3.168	6.9	20.3
4 11	11 8.39	− 7 31.4	2.277	3.170	9.7	20.5

321029 2008 OK_{17} 3 11.8 285°.07 0°.0/11.7 17

2 1	11 50.26	− 0 19.9	1.878	2.653	15.7	21.5
2 11	11 47.76	+ 0 13.6	1.771	2.636	12.6	21.3
2 21	11 42.91	+ 1 5.2	1.685	2.619	8.9	21.0
3 2	11 36.11	+ 2 12.0	1.624	2.601	4.6	20.7
3 12	11 28.13	+ 3 27.9	1.590	2.584	0.1	20.3
3 22	11 19.94	+ 4 45.3	1.585	2.567	4.9	20.7
4 1	11 12.60	+ 5 56.1	1.607	2.549	9.4	20.9
4 11	11 7.02	+ 6 53.6	1.653	2.532	13.5	21.1

435900 2009 AM_{46} 3 11.8 49°.62 1°.4/13.2 17

2 1	11 49.89	− 3 34.7	2.033	2.791	15.2	21.3
2 11	11 47.00	− 3 17.0	1.950	2.801	12.3	21.1
2 21	11 42.05	− 2 42.3	1.888	2.812	8.8	20.9
3 2	11 35.51	− 1 53.2	1.851	2.823	4.9	20.7
3 12	11 28.15	− 0 54.3	1.842	2.834	1.5	20.5
3 22	11 20.85	+ 0 8.3	1.861	2.845	3.9	20.7
4 1	11 14.45	+ 1 8.1	1.908	2.856	7.7	20.9
4 11	11 9.67	+ 1 59.4	1.980	2.868	11.2	21.2

437653 2014 BP_{63} 3 11.8 10°.01 3°.5/15.3 17

2 1	11 51.95	− 7 57.3	2.253	2.978	14.8	20.6
2 11	11 48.54	− 8 18.9	2.155	2.978	12.3	20.4
2 21	11 43.10	− 8 24.6	2.078	2.979	9.4	20.2
3 2	11 36.07	− 8 14.5	2.025	2.980	6.2	20.0
3 12	11 28.15	− 7 50.3	2.000	2.981	3.7	19.8
3 22	11 20.16	− 7 15.8	2.003	2.982	4.4	19.9
4 1	11 12.98	− 6 35.8	2.034	2.983	7.3	20.0
4 11	11 7.31	− 5 56.0	2.091	2.984	10.4	20.2

406819 2008 WF_{140} 3 11.8 12°.74 6°.5/15.9 18

2 1	11 49.98	− 8 37.0	1.107	1.893	23.7	19.4
2 11	11 48.90	− 9 42.9	1.038	1.897	19.9	19.2
2 21	11 44.40	−10 22.3	0.985	1.902	15.5	18.9
3 2	11 37.05	−10 31.9	0.951	1.909	10.7	18.7
3 12	11 28.12	−10 12.7	0.938	1.918	7.0	18.5
3 22	11 19.20	− 9 30.7	0.947	1.928	7.5	18.5
4 1	11 11.91	− 8 36.0	0.979	1.939	11.5	18.8
4 11	11 7.45	− 7 40.5	1.031	1.952	16.0	19.1

341637 2007 VU_{25} 3 11.8 246°.81 1°.5/10.2 17

2 1	11 54.29	+ 6 45.3	2.368	3.143	12.8	21.3
2 11	11 50.28	+ 7 5.1	2.266	3.133	10.1	21.1
2 21	11 44.26	+ 7 33.1	2.186	3.123	7.0	20.9
3 2	11 36.65	+ 8 5.7	2.134	3.112	3.5	20.6
3 12	11 28.14	+ 8 38.3	2.111	3.101	1.7	20.5
3 22	11 19.55	+ 9 6.0	2.117	3.090	4.8	20.7
4 1	11 11.72	+ 9 25.0	2.152	3.079	8.3	20.9
4 11	11 5.39	+ 9 32.4	2.213	3.068	11.5	21.1

285635 2000 RS_{92} 3 11.8 204°.29 0°.4/11.2 18

2 1	11 54.67	+ 4 13.5	3.015	3.767	10.8	21.4
2 11	11 50.03	+ 4 20.7	2.909	3.763	8.6	21.2
2 21	11 43.79	+ 4 35.0	2.827	3.757	5.9	21.0
3 2	11 36.31	+ 4 54.0	2.774	3.751	2.9	20.8
3 12	11 28.16	+ 5 14.7	2.752	3.745	0.5	20.6
3 22	11 19.96	+ 5 33.9	2.761	3.739	3.4	20.8
4 1	11 12.37	+ 5 48.6	2.800	3.732	6.4	21.0
4 11	11 5.95	+ 5 56.4	2.867	3.724	9.1	21.2

99252 2001 LJ_1 3 11.8 202°.74 5°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.53	−15 0.4	2.429	3.103	15.0	19.6
2 11	11 50.55	−15 19.1	2.318	3.098	12.9	19.4
2 21	11 44.51	−15 18.6	2.226	3.093	10.4	19.3
3 2	11 36.81	−14 57.6	2.159	3.086	7.7	19.1
3 12	11 28.14	−14 16.8	2.118	3.079	5.6	18.9
3 22	11 19.33	−13 19.5	2.105	3.072	5.5	18.9
4 1	11 11.24	−12 11.2	2.122	3.063	7.5	19.0
4 11	11 4.64	−10 58.9	2.165	3.054	10.3	19.2

490339 2009 DN_{30} 3 11.8 268°.73 0°.4/11.3 17

2 1	11 49.86	+ 1 47.6	2.345	3.115	13.1	21.7
2 11	11 46.76	+ 2 18.1	2.250	3.113	10.4	21.5
2 21	11 41.79	+ 3 0.8	2.177	3.111	7.2	21.3
3 2	11 35.37	+ 3 52.5	2.131	3.109	3.6	21.0
3 12	11 28.17	+ 4 48.3	2.114	3.108	0.5	20.8
3 22	11 20.94	+ 5 42.8	2.126	3.106	4.1	21.1
4 1	11 14.46	+ 6 30.8	2.167	3.104	7.7	21.3
4 11	11 9.37	+ 7 8.1	2.233	3.102	10.9	21.5

272889 2006 BK_{118} 3 11.8 247°.13 1°.0/10.7 17

2 1	11 50.39	+ 2 5.7	2.237	3.009	13.5	21.4
2 11	11 47.38	+ 2 56.1	2.132	2.997	10.8	21.2
2 21	11 42.36	+ 4 1.1	2.050	2.985	7.4	21.0
3 2	11 35.73	+ 5 16.8	1.994	2.973	3.7	20.7
3 12	11 28.17	+ 6 37.1	1.968	2.961	1.1	20.5
3 22	11 20.48	+ 7 55.0	1.971	2.948	4.7	20.7
4 1	11 13.53	+ 9 3.9	2.003	2.935	8.6	20.9
4 11	11 8.06	+ 9 58.8	2.060	2.921	12.0	21.1

276953 2004 TT_{295} 3 11.8 96°.39 1°.9/13.8 18

2 1	11 52.67	− 5 3.4	2.111	2.854	15.2	20.9
2 11	11 49.08	− 4 51.3	2.029	2.869	12.3	20.8
2 21	11 43.42	− 4 22.3	1.967	2.884	8.9	20.6
3 2	11 36.19	− 3 38.3	1.931	2.898	5.2	20.4
3 12	11 28.16	− 2 43.3	1.923	2.913	2.1	20.2
3 22	11 20.21	− 1 43.2	1.944	2.927	3.9	20.3
4 1	11 13.19	− 0 44.1	1.993	2.941	7.5	20.6
4 11	11 7.79	+ 0 8.2	2.069	2.955	10.8	20.8

288016 2003 UN_{213} 3 11.8 173°.15 0°.2/11.6 18

2 1	11 56.24	+ 1 21.1	1.944	2.711	15.5	21.6
2 11	11 52.20	+ 1 42.3	1.853	2.713	12.4	21.3
2 21	11 45.78	+ 2 17.8	1.784	2.716	8.6	21.1
3 2	11 37.47	+ 3 4.2	1.740	2.717	4.4	20.9
3 12	11 28.14	+ 3 56.0	1.725	2.718	0.2	20.5
3 22	11 18.78	+ 4 46.9	1.738	2.719	4.7	20.9
4 1	11 10.44	+ 5 30.8	1.780	2.719	8.9	21.1
4 11	11 3.94	+ 6 3.0	1.847	2.718	12.7	21.4

328320 2008 JN_7 3 11.8 27°.21 1°.2/12.9 18

2 1	11 48.07	− 5 32.8	1.661	2.428	17.7	20.7
2 11	11 46.17	− 4 39.6	1.574	2.431	14.3	20.4
2 21	11 41.82	− 3 20.8	1.507	2.434	10.3	20.2
3 2	11 35.53	− 1 39.8	1.464	2.437	5.6	19.9
3 12	11 28.19	+ 0 15.5	1.448	2.441	1.3	19.6
3 22	11 20.83	+ 2 14.7	1.460	2.444	4.7	19.9
4 1	11 14.52	+ 4 6.6	1.499	2.448	9.4	20.1
4 11	11 10.13	+ 5 42.0	1.563	2.453	13.5	20.4

289321 2005 AN_{45} 3 11.8 13°.62 3°.1/13.9 18

2 1	11 50.04	− 4 38.5	1.234	2.026	21.4	19.9
2 11	11 48.57	− 4 55.2	1.160	2.029	17.5	19.7
2 21	11 43.95	− 4 47.4	1.103	2.033	12.9	19.4
3 2	11 36.76	− 4 15.8	1.067	2.038	7.7	19.1
3 12	11 28.16	− 3 25.4	1.054	2.044	3.3	18.9
3 22	11 19.57	− 2 24.6	1.066	2.052	5.6	19.1
4 1	11 12.45	− 1 23.6	1.101	2.060	10.7	19.4
4 11	11 7.89	− 0 32.0	1.158	2.069	15.5	19.6

429143 2009 UX_{34} 3 11.8 82°.47 1°.5/13.3 18

2 1	11 53.22	− 3 55.9	1.985	2.735	15.7	22.0
2 11	11 49.60	− 3 39.0	1.909	2.756	12.7	21.9
2 21	11 43.80	− 3 4.7	1.855	2.776	9.1	21.7
3 2	11 36.39	− 2 15.7	1.825	2.796	5.1	21.5
3 12	11 28.17	− 1 16.9	1.824	2.816	1.6	21.3
3 22	11 20.09	− 0 14.6	1.852	2.835	4.0	21.5
4 1	11 13.04	+ 0 44.7	1.907	2.855	7.8	21.7
4 11	11 7.71	+ 1 35.5	1.988	2.874	11.3	22.0

152859 1999 XC_{41} 3 11.8 107°.37 4°.4/15.3 18

2 1	11 54.86	− 9 11.5	1.458	2.208	20.5	20.1
2 11	11 51.96	− 9 24.1	1.377	2.215	17.1	19.8
2 21	11 46.08	− 9 10.8	1.313	2.222	13.0	19.6
3 2	11 37.78	− 8 31.1	1.270	2.229	8.5	19.3
3 12	11 28.14	− 7 28.6	1.252	2.236	4.8	19.1
3 22	11 18.50	− 6 10.8	1.261	2.243	5.7	19.2
4 1	11 10.20	− 4 48.2	1.295	2.249	10.0	19.5
4 11	11 4.29	− 3 31.1	1.353	2.256	14.3	19.7

314318 2005 SY_{204} 3 11.8 351°.99 13°.7/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	12 19.42	+29 51.0	1.036	1.846	23.4	19.7
2 11	12 13.25	+30 30.9	0.974	1.845	20.0	19.5
2 21	12 1.74	+30 57.4	0.929	1.843	16.5	19.3
3 2	11 45.89	+30 52.3	0.903	1.842	14.0	19.1
3 12	11 27.97	+30 1.0	0.899	1.842	14.0	19.1
3 22	11 10.82	+28 19.7	0.918	1.842	16.6	19.2
4 1	10 56.91	+25 56.0	0.959	1.842	20.3	19.4
4 11	10 47.61	+23 4.2	1.018	1.842	24.0	19.7

434854 2006 SQ_{191} 3 11.8 128°.43 1°.6/10.0 17

2 1	11 53.85	+ 7 21.9	2.619	3.391	11.8	21.7
2 11	11 49.56	+ 7 43.1	2.533	3.399	9.2	21.5
2 21	11 43.53	+ 8 11.1	2.472	3.408	6.3	21.3
3 2	11 36.19	+ 8 42.2	2.438	3.416	3.2	21.1
3 12	11 28.19	+ 9 12.2	2.434	3.424	1.7	21.0
3 22	11 20.25	+ 9 37.1	2.460	3.432	4.4	21.2
4 1	11 13.08	+ 9 53.7	2.516	3.439	7.4	21.4
4 11	11 7.26	+10 0.0	2.597	3.446	10.2	21.6

423497 2005 TQ_{120} 3 11.8 176°.45 1°.1/10.6 17

2 1	11 55.20	+ 4 29.5	2.191	2.962	13.8	22.7
2 11	11 51.08	+ 4 57.4	2.099	2.964	10.9	22.5
2 21	11 44.85	+ 5 36.1	2.030	2.965	7.5	22.2
3 2	11 36.96	+ 6 21.7	1.988	2.966	3.7	22.0
3 12	11 28.18	+ 7 8.9	1.975	2.967	1.3	21.8
3 22	11 19.39	+ 7 52.2	1.991	2.967	4.8	22.1
4 1	11 11.49	+ 8 26.5	2.036	2.966	8.5	22.3
4 11	11 5.22	+ 8 48.6	2.106	2.965	11.8	22.5

133766 2003 WZ_{67} 3 11.8 178°.84 2°.2/14.4 17

2 1	11 51.71	− 6 20.0	2.484	3.210	13.5	20.7
2 11	11 48.12	− 6 13.1	2.383	3.211	11.1	20.5
2 21	11 42.70	− 5 50.8	2.304	3.212	8.2	20.3
3 2	11 35.85	− 5 14.4	2.250	3.213	5.0	20.1
3 12	11 28.21	− 4 26.7	2.225	3.213	2.4	19.9
3 22	11 20.53	− 3 32.2	2.230	3.212	3.6	20.0
4 1	11 13.57	− 2 36.3	2.264	3.212	6.7	20.2
4 11	11 7.97	− 1 44.1	2.325	3.211	9.8	20.4

28077 1998 QH_{55} 3 11.8 107°.56 0°.9/12.4 18

2 1	11 58.48	+ 0 4.3	1.483	2.261	19.0	18.6
2 11	11 54.71	− 0 1.6	1.403	2.268	15.3	18.4
2 21	11 47.91	+ 0 9.5	1.342	2.274	10.8	18.1
3 2	11 38.69	+ 0 35.2	1.305	2.280	5.8	17.8
3 12	11 28.15	+ 1 10.1	1.293	2.286	0.9	17.5
3 22	11 17.65	+ 1 47.6	1.309	2.292	5.3	17.8
4 1	11 8.55	+ 2 20.4	1.351	2.298	10.3	18.1
4 11	11 1.89	+ 2 42.9	1.415	2.304	14.8	18.4

32246 2000 OQ_{43} 3 11.8 247°.45 2°.5/14.6 18

2 1	11 51.67	− 6 21.2	2.591	3.315	13.1	18.5
2 11	11 48.10	− 6 27.4	2.478	3.304	10.8	18.3
2 21	11 42.71	− 6 19.7	2.388	3.294	8.1	18.1
3 2	11 35.88	− 5 58.6	2.323	3.283	5.1	17.9
3 12	11 28.22	− 5 26.4	2.286	3.272	2.7	17.8
3 22	11 20.43	− 4 46.4	2.280	3.261	3.7	17.8
4 1	11 13.27	− 4 3.3	2.302	3.249	6.7	18.0
4 11	11 7.40	− 3 21.9	2.351	3.238	9.7	18.1

37235 2000 WP_{155} 3 11.8 192°.86 0°.6/12.3 18

2 1	11 57.80	− 0 13.8	2.000	2.755	15.5	20.1
2 11	11 53.44	− 0 6.0	1.902	2.754	12.5	19.8
2 21	11 46.67	+ 0 16.0	1.825	2.752	8.8	19.6
3 2	11 37.97	+ 0 50.1	1.774	2.749	4.7	19.3
3 12	11 28.17	+ 1 31.6	1.752	2.745	0.7	19.0
3 22	11 18.29	+ 2 15.2	1.759	2.741	4.4	19.3
4 1	11 9.38	+ 2 54.8	1.794	2.736	8.7	19.5
4 11	11 2.29	+ 3 25.6	1.855	2.731	12.5	19.8

3640 Gostin 3 11.8 75°.77 3°.2/14.1 18 R

2 1	11 56.22	− 5 18.7	1.396	2.163	20.5	15.9
2 11	11 53.09	− 5 34.9	1.320	2.173	16.8	15.7
2 21	11 46.87	− 5 28.5	1.262	2.183	12.4	15.4
3 2	11 38.18	− 5 0.1	1.226	2.193	7.5	15.2
3 12	11 28.17	− 4 13.8	1.214	2.203	3.4	15.0
3 22	11 18.21	− 3 17.3	1.229	2.213	5.4	15.1
4 1	11 9.71	− 2 19.4	1.270	2.223	10.2	15.4
4 11	11 3.70	− 1 29.0	1.333	2.233	14.6	15.7

381588 2008 UY_{326} 3 11.8 87°.87 7°.9/29.8 18

2 1	11 55.01	+27 12.8	2.405	3.201	12.0	21.2
2 11	11 50.75	+29 6.1	2.368	3.230	10.0	21.1
2 21	11 44.45	+30 53.6	2.358	3.258	8.4	21.0
3 2	11 36.67	+32 26.4	2.374	3.286	7.9	21.0
3 12	11 28.22	+33 37.7	2.418	3.314	8.7	21.1
3 22	11 19.98	+34 23.4	2.488	3.341	10.2	21.3
4 1	11 12.78	+34 42.7	2.582	3.368	12.0	21.4
4 11	11 7.25	+34 37.7	2.695	3.394	13.6	21.6

210944 2001 TO_{230} 3 11.8 185°.94 5°.0/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.88	−13 36.9	2.596	3.275	14.1	20.4
2 11	11 49.85	−14 14.6	2.491	3.275	12.1	20.3
2 21	11 43.93	−14 36.4	2.406	3.274	9.7	20.1
3 2	11 36.50	−14 41.1	2.346	3.274	7.2	20.0
3 12	11 28.22	−14 28.9	2.313	3.273	5.3	19.8
3 22	11 19.83	−14 2.3	2.308	3.272	5.3	19.8
4 1	11 12.13	−13 25.1	2.332	3.271	7.1	19.9
4 11	11 5.80	−12 42.7	2.383	3.270	9.6	20.1

269063 2007 GV_{39} 3 11.8 214°.94 0°.9/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.78	− 2 24.8	2.278	3.029	14.0	21.5
2 11	11 48.40	− 2 1.6	2.175	3.023	11.3	21.3
2 21	11 43.02	− 1 23.1	2.094	3.018	8.0	21.1
3 2	11 36.07	− 0 31.4	2.039	3.012	4.4	20.8
3 12	11 28.23	+ 0 28.9	2.013	3.006	0.9	20.6
3 22	11 20.30	+ 1 32.4	2.017	3.000	3.8	20.8
4 1	11 13.13	+ 2 32.9	2.049	2.993	7.6	21.0
4 11	11 7.44	+ 3 25.1	2.107	2.986	11.0	21.2

155707 2000 QP_{123} 3 11.8 217°.94 0°.2/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.67	+ 2 57.9	2.591	3.341	12.5	21.5
2 11	11 52.78	+ 3 5.9	2.480	3.331	10.0	21.3
2 21	11 45.93	+ 3 23.0	2.392	3.320	6.9	21.1
3 2	11 37.51	+ 3 47.0	2.332	3.308	3.5	20.9
3 12	11 28.20	+ 4 14.1	2.302	3.295	0.3	20.6
3 22	11 18.77	+ 4 40.5	2.303	3.282	3.9	20.9
4 1	11 10.04	+ 5 2.3	2.334	3.268	7.4	21.0
4 11	11 2.71	+ 5 16.3	2.393	3.253	10.6	21.2

124481 2001 RZ_{18} 3 11.8 92°.96 2°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.55	− 3 11.5	1.482	2.250	19.4	19.6
2 11	11 53.93	− 3 21.4	1.405	2.261	15.8	19.4
2 21	11 47.34	− 3 11.4	1.347	2.272	11.4	19.1
3 2	11 38.39	− 2 43.0	1.312	2.283	6.5	18.9
3 12	11 28.18	− 2 0.9	1.302	2.294	2.3	18.6
3 22	11 18.06	− 1 12.1	1.320	2.304	5.1	18.8
4 1	11 9.34	− 0 24.6	1.364	2.314	9.9	19.1
4 11	11 3.03	+ 0 14.4	1.431	2.325	14.3	19.4

379669 2011 EM_{81} 3 11.8 144°.39 1°.2/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.01	+ 4 57.3	2.012	2.790	14.6	20.9
2 11	11 51.13	+ 5 16.2	1.924	2.793	11.6	20.7
2 21	11 44.98	+ 5 45.7	1.858	2.795	8.0	20.4
3 2	11 37.07	+ 6 22.1	1.818	2.797	3.9	20.2
3 12	11 28.21	+ 6 59.8	1.807	2.799	1.3	20.0
3 22	11 19.37	+ 7 33.4	1.825	2.801	5.0	20.3
4 1	11 11.51	+ 7 58.0	1.870	2.803	8.9	20.5
4 11	11 5.40	+ 8 10.3	1.940	2.805	12.4	20.7

20878 Uwetreske 3 11.8 192°.95 2°.0/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.82	− 5 33.7	2.403	3.134	13.8	19.7
2 11	11 49.09	− 5 24.3	2.300	3.132	11.3	19.5
2 21	11 43.43	− 4 59.3	2.218	3.130	8.3	19.3
3 2	11 36.26	− 4 19.9	2.163	3.127	5.0	19.1
3 12	11 28.23	− 3 29.4	2.135	3.124	2.2	18.9
3 22	11 20.13	− 2 32.6	2.138	3.121	3.7	19.0
4 1	11 12.77	− 1 35.0	2.170	3.117	7.0	19.2
4 11	11 6.84	− 0 42.0	2.229	3.112	10.3	19.4

246936 1999 RT_{13} 3 11.8 256°.02 1°.0/12.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.15	+ 0 22.8	2.822	3.556	11.9	20.8
2 11	11 53.04	+ 0 4.5	2.699	3.538	9.7	20.6
2 21	11 46.07	− 0 5.8	2.600	3.519	6.9	20.4
3 2	11 37.59	− 0 8.9	2.529	3.500	3.8	20.2
3 12	11 28.21	− 0 7.1	2.488	3.481	1.0	19.9
3 22	11 18.64	− 0 2.8	2.480	3.461	3.4	20.1
4 1	11 9.67	+ 0 1.2	2.502	3.441	6.7	20.3
4 11	11 1.97	+ 0 1.9	2.552	3.421	9.7	20.4

11276 1988 TM_{1} 3 11.8 102°.77 0°.7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.02	− 1 44.1	1.779	2.542	16.9	18.6
2 11	11 52.08	− 1 20.5	1.705	2.561	13.5	18.4
2 21	11 45.68	− 0 39.2	1.652	2.579	9.5	18.2
3 2	11 37.41	+ 0 16.4	1.623	2.598	5.0	17.9
3 12	11 28.21	+ 1 20.2	1.622	2.615	0.8	17.7
3 22	11 19.17	+ 2 24.9	1.650	2.633	4.5	18.0
4 1	11 11.32	+ 3 23.4	1.706	2.650	8.8	18.3
4 11	11 5.44	+ 4 10.0	1.786	2.666	12.6	18.5

46384 2001 XM_{115} 3 11.8 358°.73 6°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.49	+13 38.7	1.342	2.166	18.3	19.0
2 11	11 52.75	+14 35.3	1.271	2.164	14.5	18.7
2 21	11 46.77	+15 40.3	1.219	2.164	10.3	18.5
3 2	11 38.18	+16 44.0	1.190	2.163	6.7	18.3
3 12	11 28.20	+17 35.2	1.186	2.163	6.5	18.2
3 22	11 18.30	+18 4.9	1.208	2.164	9.9	18.4
4 1	11 9.94	+18 8.4	1.252	2.165	14.2	18.7
4 11	11 4.21	+17 45.5	1.316	2.166	18.1	18.9

221283 2005 UB_{354} 3 11.8 194°.84 1°.3/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.55	+ 5 11.2	2.402	3.169	12.9	21.2
2 11	11 51.21	+ 5 39.1	2.304	3.167	10.2	21.0
2 21	11 44.87	+ 6 16.5	2.229	3.164	7.0	20.8
3 2	11 36.98	+ 6 59.8	2.182	3.160	3.5	20.5
3 12	11 28.24	+ 7 44.1	2.164	3.156	1.4	20.4
3 22	11 19.45	+ 8 24.4	2.177	3.151	4.6	20.6
4 1	11 11.45	+ 8 56.2	2.218	3.145	8.1	20.8
4 11	11 4.94	+ 9 16.4	2.286	3.139	11.2	21.0

162571 2000 RE_{59} 3 11.8 255°.10 1°.0/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.49	− 1 21.6	1.768	2.533	16.9	21.1
2 11	11 52.16	− 1 12.8	1.660	2.517	13.7	20.8
2 21	11 46.16	− 0 46.5	1.572	2.500	9.9	20.5
3 2	11 37.90	− 0 4.3	1.508	2.483	5.4	20.2
3 12	11 28.22	+ 0 49.0	1.472	2.465	1.0	19.9
3 22	11 18.25	+ 1 46.7	1.463	2.447	4.9	20.1
4 1	11 9.22	+ 2 41.3	1.482	2.428	9.8	20.3
4 11	11 2.18	+ 3 25.8	1.525	2.409	14.2	20.5

72708 2001 FS_{81} 3 11.8 312°.10 2°.8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.61	− 4 1.4	1.995	2.740	15.9	19.1
2 11	11 51.78	− 4 32.2	1.894	2.734	13.1	18.8
2 21	11 45.59	− 4 48.9	1.815	2.729	9.7	18.6
3 2	11 37.47	− 4 51.7	1.760	2.725	5.9	18.4
3 12	11 28.24	− 4 42.4	1.732	2.720	2.9	18.2
3 22	11 18.88	− 4 24.7	1.733	2.715	4.5	18.3
4 1	11 10.43	− 4 3.2	1.762	2.711	8.2	18.5
4 11	11 3.76	− 3 43.2	1.816	2.706	11.9	18.7

110344 2001 SG_{294} 3 11.8 110°.76 0°.8/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.55	− 2 8.1	2.588	3.332	12.6	20.5
2 11	11 47.78	− 1 45.2	2.504	3.349	10.1	20.4
2 21	11 42.33	− 1 9.6	2.442	3.365	7.1	20.2
3 2	11 35.62	− 0 23.8	2.408	3.380	3.9	20.0
3 12	11 28.28	+ 0 28.3	2.403	3.395	0.8	19.8
3 22	11 21.01	+ 1 22.1	2.428	3.410	3.3	20.0
4 1	11 14.48	+ 2 12.7	2.482	3.425	6.5	20.2
4 11	11 9.26	+ 2 56.0	2.564	3.439	9.4	20.5

207416 2006 DC_{34} 3 11.8 159°.16 0°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.07	+ 0 48.2	2.100	2.859	14.7	21.5
2 11	11 51.85	+ 1 31.6	2.011	2.868	11.7	21.3
2 21	11 45.42	+ 2 29.9	1.945	2.876	8.1	21.1
3 2	11 37.29	+ 3 39.2	1.906	2.883	4.0	20.9
3 12	11 28.25	+ 4 53.3	1.896	2.889	0.5	20.6
3 22	11 19.23	+ 6 5.1	1.916	2.895	4.6	20.9
4 1	11 11.17	+ 7 8.3	1.965	2.899	8.5	21.2
4 11	11 4.82	+ 7 57.9	2.040	2.903	12.0	21.4

326432 2001 UG_{34} 3 11.8 135°.72 3°.1/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.78	+10 29.7	2.435	3.215	12.4	21.3
2 11	11 51.21	+11 27.0	2.360	3.231	9.6	21.1
2 21	11 44.73	+12 30.6	2.310	3.247	6.6	21.0
3 2	11 36.84	+13 35.0	2.288	3.262	3.8	20.8
3 12	11 28.26	+14 34.1	2.296	3.276	3.4	20.8
3 22	11 19.79	+15 22.6	2.334	3.289	5.8	21.0
4 1	11 12.20	+15 56.8	2.400	3.302	8.8	21.2
4 11	11 6.12	+16 14.9	2.492	3.314	11.4	21.4

127455 2002 QJ_{6} 3 11.8 148°.00 14°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 1.07	−31 55.4	1.644	2.229	23.9	20.2
2 11	11 57.31	−33 29.4	1.562	2.240	22.1	20.1
2 21	11 50.13	−34 31.2	1.491	2.251	19.9	19.9
3 2	11 40.04	−34 51.9	1.436	2.260	17.6	19.8
3 12	11 28.19	−34 25.6	1.400	2.269	15.6	19.7
3 22	11 16.15	−33 12.5	1.385	2.276	14.4	19.6
4 1	11 5.57	−31 19.4	1.392	2.283	14.6	19.6
4 11	10 57.76	−29 0.3	1.421	2.288	16.0	19.7

117758 2005 GK_{60} 3 11.8 237°.50 5°.7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.37	+18 57.9	2.302	3.102	12.3	20.3
2 11	11 49.67	+20 3.0	2.220	3.098	9.9	20.1
2 21	11 43.89	+21 9.8	2.163	3.093	7.4	20.0
3 2	11 36.50	+22 11.3	2.132	3.089	5.8	19.9
3 12	11 28.27	+23 0.4	2.130	3.084	6.2	19.9
3 22	11 20.05	+23 32.0	2.155	3.079	8.3	20.0
4 1	11 12.71	+23 43.1	2.207	3.074	10.9	20.1
4 11	11 6.97	+23 33.5	2.280	3.069	13.4	20.3

51155 2000 HH_{56} 3 11.8 249°.74 2°.5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.32	− 7 45.0	2.362	3.090	14.1	19.5
2 11	11 46.43	− 7 28.9	2.255	3.084	11.7	19.3
2 21	11 41.66	− 6 55.0	2.170	3.077	8.7	19.1
3 2	11 35.40	− 6 4.2	2.109	3.070	5.5	18.9
3 12	11 28.29	− 5 0.0	2.077	3.064	2.7	18.7
3 22	11 21.09	− 3 47.4	2.074	3.057	3.8	18.8
4 1	11 14.59	− 2 32.8	2.100	3.049	7.0	19.0
4 11	11 9.48	− 1 22.6	2.152	3.042	10.3	19.1

147641 2004 JS_{13} 3 11.8 293°.67 1°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.78	+ 2 58.3	1.362	2.164	19.2	20.1
2 11	11 51.48	+ 3 23.2	1.273	2.155	15.4	19.8
2 21	11 46.04	+ 4 6.9	1.203	2.145	10.7	19.5
3 2	11 37.94	+ 5 5.0	1.155	2.136	5.4	19.2
3 12	11 28.24	+ 6 9.3	1.133	2.126	1.3	18.9
3 22	11 18.36	+ 7 10.0	1.137	2.117	6.6	19.2
4 1	11 9.78	+ 7 58.0	1.165	2.108	12.1	19.5
4 11	11 3.71	+ 8 27.0	1.214	2.099	16.9	19.7

233503 2007 EM_{51} 3 11.8 172°.46 1°.2/10.6 18

2 1	11 53.79	+ 4 20.0	2.121	2.897	14.1	20.7
2 11	11 50.08	+ 4 48.8	2.031	2.898	11.1	20.5
2 21	11 44.22	+ 5 28.9	1.963	2.899	7.6	20.3
3 2	11 36.69	+ 6 16.3	1.922	2.900	3.8	20.1
3 12	11 28.27	+ 7 5.5	1.909	2.901	1.3	19.9
3 22	11 19.85	+ 7 50.7	1.925	2.902	4.8	20.1
4 1	11 12.32	+ 8 26.9	1.970	2.902	8.6	20.4
4 11	11 6.43	+ 8 50.3	2.039	2.902	12.0	20.6

233496 2007 DS_{50} 3 11.8 324°.75 1°.0/12.4 18

2 1	11 52.62	+ 0 12.4	1.198	2.004	21.0	20.4
2 11	11 51.02	+ 0 0.5	1.110	1.992	17.1	20.1
2 21	11 46.02	+ 0 8.6	1.040	1.980	12.3	19.8
3 2	11 38.05	+ 0 34.9	0.991	1.969	6.6	19.5
3 12	11 28.25	+ 1 14.0	0.965	1.959	1.1	19.0
3 22	11 18.17	+ 1 57.4	0.963	1.949	6.2	19.3
4 1	11 9.51	+ 2 35.9	0.985	1.940	12.2	19.6
4 11	11 3.63	+ 3 1.5	1.026	1.932	17.5	19.9

282262 2002 JK_{131} 3 11.8 328°.09 6°.3/18.0 17

2 1	11 45.72	−15 29.2	1.679	2.401	19.2	20.5
2 11	11 44.58	−15 40.5	1.574	2.386	16.7	20.3
2 21	11 40.97	−15 23.2	1.486	2.371	13.5	20.0
3 2	11 35.27	−14 34.7	1.419	2.358	10.0	19.8
3 12	11 28.30	−13 16.1	1.375	2.344	7.0	19.6
3 22	11 21.11	−11 33.3	1.357	2.332	6.6	19.5
4 1	11 14.85	− 9 36.1	1.364	2.320	9.4	19.6
4 11	11 10.52	− 7 36.8	1.396	2.309	13.2	19.8

86033 1999 ND_{8} 3 11.8 121°.78 2°.7/ 8.6 18

2 1	11 52.96	+ 8 2.0	2.307	3.090	12.9	19.7
2 11	11 49.13	+ 9 6.0	2.232	3.106	10.0	19.6
2 21	11 43.38	+10 18.9	2.182	3.121	6.8	19.4
3 2	11 36.19	+11 35.0	2.159	3.135	3.7	19.2
3 12	11 28.30	+12 47.5	2.165	3.150	3.0	19.2
3 22	11 20.49	+13 50.3	2.202	3.163	5.7	19.4
4 1	11 13.57	+14 38.9	2.266	3.176	8.8	19.6
4 11	11 8.15	+15 10.6	2.355	3.189	11.6	19.8

91556 1999 RT_{220} 3 11.8 142°.55 2°.3/14.7 18

2 1	11 51.65	− 8 12.9	2.512	3.228	13.6	20.4
2 11	11 48.01	− 7 48.0	2.418	3.239	11.2	20.3
2 21	11 42.58	− 7 5.8	2.346	3.249	8.3	20.1
3 2	11 35.79	− 6 7.9	2.299	3.259	5.2	19.9
3 12	11 28.31	− 4 57.9	2.282	3.268	2.5	19.7
3 22	11 20.83	− 3 41.3	2.295	3.277	3.5	19.8
4 1	11 14.11	− 2 24.0	2.338	3.285	6.6	20.0
4 11	11 8.74	− 1 11.9	2.408	3.293	9.6	20.2

473779 2016 EX_{79} 3 11.8 238°.07 3°.1/ 8.5 17

2 1	11 51.05	+ 6 50.6	1.877	2.673	14.9	21.2
2 11	11 48.31	+ 8 4.4	1.787	2.668	11.7	21.0
2 21	11 43.23	+ 9 32.3	1.721	2.664	8.0	20.8
3 2	11 36.29	+11 7.6	1.680	2.659	4.3	20.5
3 12	11 28.29	+12 41.3	1.668	2.653	3.5	20.5
3 22	11 20.23	+14 4.6	1.684	2.648	6.9	20.7
4 1	11 13.13	+15 10.2	1.727	2.643	10.8	20.9
4 11	11 7.80	+15 54.1	1.793	2.637	14.3	21.1

269503 2009 UX_{80} 3 11.8 138°.92 0°.3/11.5 18

2 1	11 54.71	+ 1 50.3	2.236	2.998	13.9	21.6
2 11	11 50.60	+ 2 13.8	2.149	3.007	11.0	21.4
2 21	11 44.47	+ 2 49.3	2.086	3.017	7.6	21.2
3 2	11 36.78	+ 3 33.5	2.049	3.026	3.8	21.0
3 12	11 28.29	+ 4 21.6	2.041	3.034	0.3	20.7
3 22	11 19.85	+ 5 8.1	2.063	3.042	4.2	21.1
4 1	11 12.29	+ 5 48.2	2.113	3.050	7.9	21.3
4 11	11 6.32	+ 6 17.8	2.189	3.057	11.1	21.5

316309 2010 RU_{68} 3 11.8 216°.18 3°.9/15.5 18

2 1	11 53.45	− 9 46.5	1.918	2.644	17.0	21.3
2 11	11 50.24	− 9 49.7	1.816	2.639	14.3	21.1
2 21	11 44.63	− 9 31.2	1.733	2.633	10.9	20.9
3 2	11 37.04	− 8 50.8	1.673	2.628	7.3	20.6
3 12	11 28.29	− 7 51.1	1.639	2.621	4.2	20.4
3 22	11 19.39	− 6 37.7	1.634	2.615	4.9	20.5
4 1	11 11.40	− 5 18.6	1.656	2.607	8.5	20.7
4 11	11 5.23	− 4 2.1	1.704	2.600	12.3	20.9

367119 2006 SX_{91} 3 11.8 227°.93 0°.2/11.9 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.82	+ 0 1.2	2.085	2.845	14.8	22.8
2 11	11 51.09	+ 0 24.1	1.979	2.834	11.9	22.6
2 21	11 45.09	+ 1 1.9	1.894	2.823	8.4	22.3
3 2	11 37.24	+ 1 52.2	1.835	2.811	4.4	22.0
3 12	11 28.29	+ 2 49.8	1.805	2.799	0.2	21.7
3 22	11 19.17	+ 3 48.6	1.804	2.785	4.4	22.0
4 1	11 10.89	+ 4 42.3	1.832	2.772	8.6	22.2
4 11	11 4.28	+ 5 25.4	1.885	2.757	12.4	22.4

297481 2000 TQ_{66} 3 11.8 118°.09 0°.2/11.9 18

2 1	11 57.09	+ 0 7.3	1.785	2.551	16.7	22.0
2 11	11 52.98	+ 0 30.3	1.707	2.567	13.3	21.8
2 21	11 46.35	+ 1 9.4	1.651	2.582	9.3	21.6
3 2	11 37.80	+ 2 1.0	1.620	2.596	4.7	21.3
3 12	11 28.28	+ 2 59.0	1.616	2.610	0.2	21.0
3 22	11 18.88	+ 3 56.2	1.642	2.623	4.7	21.4
4 1	11 10.66	+ 4 46.1	1.695	2.636	9.1	21.7
4 11	11 4.45	+ 5 23.5	1.772	2.648	12.9	21.9

82060 2000 WX_{8} 3 11.8 165°.18 13°.8/21.1 18

2 1	12 3.79	−23 57.7	1.454	2.106	24.4	18.4
2 11	11 59.86	−26 3.9	1.369	2.110	22.1	18.2
2 21	11 52.23	−27 43.6	1.298	2.114	19.4	18.0
3 2	11 41.29	−28 46.9	1.245	2.117	16.7	17.8
3 12	11 28.21	−29 6.6	1.212	2.119	14.6	17.7
3 22	11 14.67	−28 40.8	1.201	2.121	13.8	17.6
4 1	11 2.58	−27 35.7	1.213	2.122	14.9	17.7
4 11	10 53.49	−26 4.6	1.246	2.122	17.2	17.8

272775 2005 YC_{192} 3 11.8 245°.38 1°.5/13.2 17

2 1	11 53.94	− 2 13.7	2.100	2.852	14.9	21.0
2 11	11 50.34	− 2 15.7	1.998	2.846	12.1	20.8
2 21	11 44.52	− 2 3.2	1.917	2.839	8.8	20.6
3 2	11 36.92	− 1 37.7	1.861	2.832	4.9	20.3
3 12	11 28.30	− 1 2.8	1.833	2.825	1.5	20.1
3 22	11 19.56	− 0 23.2	1.834	2.817	4.1	20.2
4 1	11 11.66	+ 0 15.7	1.863	2.810	8.0	20.5
4 11	11 5.40	+ 0 48.6	1.918	2.802	11.7	20.7

469255 2016 JX_{26} 3 11.8 314°.33 2°.8/14.3 17

2 1	11 47.95	− 6 42.1	1.670	2.432	17.8	20.8
2 11	11 46.32	− 6 32.8	1.564	2.415	14.8	20.5
2 21	11 42.17	− 6 0.0	1.477	2.397	11.0	20.2
3 2	11 35.90	− 5 4.0	1.413	2.380	6.8	19.9
3 12	11 28.32	− 3 48.9	1.375	2.364	3.0	19.7
3 22	11 20.49	− 2 22.1	1.363	2.348	4.8	19.7
4 1	11 13.58	− 0 53.1	1.377	2.332	9.4	20.0
4 11	11 8.60	+ 0 28.2	1.415	2.317	13.8	20.2

234161 2000 HP_{82} 3 11.8 285°.52 0°.4/11.5 17

2 1	11 52.84	+ 0 57.0	1.471	2.263	18.5	21.0
2 11	11 50.62	+ 1 20.7	1.370	2.246	14.9	20.7
2 21	11 45.43	+ 2 4.7	1.289	2.228	10.5	20.4
3 2	11 37.67	+ 3 5.8	1.230	2.209	5.4	20.0
3 12	11 28.29	+ 4 16.9	1.198	2.191	0.4	19.6
3 22	11 18.57	+ 5 28.6	1.191	2.173	6.0	19.9
4 1	11 9.96	+ 6 31.1	1.210	2.155	11.5	20.2
4 11	11 3.66	+ 7 16.9	1.250	2.137	16.4	20.4

286362 2001 XZ_{144} 3 11.8 99°.42 5°.0/ 7.6 18

2 1	11 55.88	+11 8.6	1.515	2.326	17.2	20.7
2 11	11 52.54	+12 22.6	1.449	2.336	13.5	20.5
2 21	11 46.32	+13 47.0	1.403	2.347	9.3	20.3
3 2	11 37.87	+15 12.4	1.383	2.357	5.7	20.1
3 12	11 28.29	+16 28.1	1.389	2.367	5.5	20.1
3 22	11 18.88	+17 24.9	1.422	2.377	8.8	20.3
4 1	11 10.88	+17 57.5	1.479	2.387	12.7	20.6
4 11	11 5.20	+18 4.7	1.558	2.397	16.3	20.8

150892 2001 SA_{278} 3 11.8 129°.81 1°.1/12.8 18

2 1	11 57.72	− 1 0.4	2.156	2.903	14.7	20.6
2 11	11 53.04	− 1 2.9	2.070	2.916	11.9	20.4
2 21	11 46.19	− 0 52.5	2.005	2.928	8.4	20.2
3 2	11 37.68	− 0 31.1	1.967	2.939	4.6	20.0
3 12	11 28.31	− 0 2.4	1.957	2.950	1.1	19.8
3 22	11 18.99	+ 0 29.1	1.978	2.960	3.9	20.0
4 1	11 10.64	+ 0 58.7	2.027	2.970	7.7	20.2
4 11	11 4.00	+ 1 21.9	2.103	2.980	11.1	20.5

126060 2001 YL_{80} 3 11.8 109°.83 0°.9/12.7 18

2 1	11 54.17	− 1 30.0	2.013	2.770	15.3	20.4
2 11	11 50.43	− 1 16.2	1.929	2.782	12.3	20.2
2 21	11 44.48	− 0 47.0	1.867	2.793	8.7	20.0
3 2	11 36.84	− 0 5.2	1.830	2.803	4.7	19.8
3 12	11 28.32	+ 0 44.4	1.821	2.814	0.9	19.5
3 22	11 19.86	+ 1 36.2	1.841	2.824	4.1	19.8
4 1	11 12.38	+ 2 24.0	1.889	2.834	8.1	20.0
4 11	11 6.62	+ 3 2.8	1.963	2.844	11.6	20.2

422754 2001 SY_{308} 3 11.8 167°.17 1°.5/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.05	− 4 18.7	2.636	3.361	12.9	23.0
2 11	11 50.60	− 4 5.0	2.537	3.367	10.5	22.8
2 21	11 44.34	− 3 37.6	2.460	3.373	7.6	22.6
3 2	11 36.70	− 2 58.1	2.411	3.378	4.4	22.4
3 12	11 28.33	− 2 10.0	2.391	3.382	1.6	22.2
3 22	11 19.93	− 1 17.5	2.403	3.385	3.4	22.4
4 1	11 12.26	− 0 25.5	2.444	3.387	6.6	22.6
4 11	11 5.93	+ 0 21.3	2.513	3.389	9.6	22.8

180061 2003 BG_{66} 3 11.8 350°.57 2°.9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.17	− 4 18.3	1.900	2.655	16.2	19.4
2 11	11 49.19	− 4 49.2	1.804	2.649	13.4	19.2
2 21	11 43.86	− 5 5.1	1.727	2.644	9.9	18.9
3 2	11 36.64	− 5 6.0	1.675	2.640	6.2	18.7
3 12	11 28.33	− 4 54.2	1.650	2.637	3.1	18.5
3 22	11 19.91	− 4 33.3	1.652	2.634	4.5	18.6
4 1	11 12.42	− 4 8.6	1.681	2.632	8.3	18.8
4 11	11 6.71	− 3 45.6	1.734	2.631	12.0	19.0

461569 2004 HT_{55} 3 11.8 298°.28 5°.9/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.51	+13 32.8	1.650	2.467	15.7	20.6
2 11	11 49.23	+14 52.4	1.557	2.448	12.5	20.3
2 21	11 44.23	+16 22.6	1.486	2.429	9.0	20.1
3 2	11 36.96	+17 54.5	1.440	2.410	6.2	19.9
3 12	11 28.32	+19 17.1	1.421	2.392	6.6	19.9
3 22	11 19.48	+20 20.7	1.427	2.373	9.8	20.0
4 1	11 11.70	+20 58.3	1.458	2.355	13.6	20.2
4 11	11 6.02	+21 7.8	1.510	2.337	17.3	20.3

337753 2001 UD_{108} 3 11.8 192°.18 4°.3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.66	+16 55.7	2.681	3.469	11.1	21.4
2 11	11 50.30	+17 41.0	2.595	3.467	8.8	21.3
2 21	11 44.13	+18 28.0	2.534	3.466	6.4	21.1
3 2	11 36.59	+19 11.5	2.501	3.464	4.6	21.0
3 12	11 28.34	+19 46.2	2.497	3.462	4.7	21.0
3 22	11 20.11	+20 7.9	2.523	3.459	6.6	21.1
4 1	11 12.66	+20 14.3	2.576	3.456	9.1	21.3
4 11	11 6.58	+20 4.6	2.653	3.453	11.4	21.4

456899 2007 VV_{185} 3 11.8 76°.02 5°.7/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.10	+13 0.1	1.534	2.346	16.9	21.2
2 11	11 52.52	+14 26.3	1.480	2.369	13.2	21.0
2 21	11 46.15	+15 59.8	1.449	2.391	9.3	20.8
3 2	11 37.70	+17 30.4	1.442	2.413	6.2	20.7
3 12	11 28.32	+18 47.2	1.463	2.435	6.2	20.7
3 22	11 19.24	+19 42.1	1.510	2.457	9.2	21.0
4 1	11 11.63	+20 10.9	1.581	2.478	12.8	21.2
4 11	11 6.30	+20 13.8	1.674	2.499	16.0	21.5

46375 2001 WD_{29} 3 11.8 189°.02 1°.3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.90	+ 3 36.2	2.192	2.965	13.8	19.3
2 11	11 49.35	+ 4 22.3	2.098	2.964	10.9	19.1
2 21	11 43.72	+ 5 21.2	2.027	2.963	7.4	18.8
3 2	11 36.48	+ 6 28.6	1.983	2.962	3.7	18.6
3 12	11 28.34	+ 7 38.2	1.968	2.960	1.4	18.4
3 22	11 20.16	+ 8 43.6	1.983	2.957	4.9	18.7
4 1	11 12.82	+ 9 38.8	2.026	2.955	8.6	18.9
4 11	11 7.05	+10 19.7	2.094	2.951	12.0	19.1

84842 2003 AS_{17} 3 11.8 27°.60 8°.2/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.86	+25 21.8	2.112	2.922	13.0	19.1
2 11	11 48.75	+26 57.4	2.051	2.925	10.7	19.0
2 21	11 43.38	+28 30.1	2.015	2.929	8.9	18.9
3 2	11 36.30	+29 50.5	2.004	2.933	8.2	18.8
3 12	11 28.36	+30 50.6	2.019	2.937	9.0	18.9
3 22	11 20.51	+31 25.3	2.060	2.941	10.9	19.0
4 1	11 13.69	+31 32.6	2.124	2.945	13.1	19.1
4 11	11 8.65	+31 14.0	2.207	2.950	15.2	19.3

358054 2006 HR_{22} 3 11.8 225°.46 2°.0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.25	+ 5 43.3	2.009	2.787	14.7	22.1
2 11	11 52.34	+ 6 25.3	1.907	2.776	11.6	21.8
2 21	11 46.03	+ 7 19.7	1.827	2.765	8.0	21.6
3 2	11 37.76	+ 8 22.0	1.774	2.752	4.1	21.3
3 12	11 28.34	+ 9 25.2	1.749	2.739	2.2	21.2
3 22	11 18.76	+10 22.3	1.754	2.725	5.8	21.4
4 1	11 10.08	+11 7.1	1.786	2.711	9.9	21.6
4 11	11 3.18	+11 35.6	1.843	2.696	13.6	21.8

379741 2011 GD_{65} 3 11.8 40°.42 5°.7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.72	+16 12.1	1.849	2.658	14.6	20.2
2 11	11 50.38	+17 17.0	1.777	2.662	11.5	20.0
2 21	11 44.60	+18 25.9	1.729	2.667	8.4	19.8
3 2	11 36.95	+19 30.7	1.706	2.671	6.0	19.7
3 12	11 28.35	+20 22.8	1.710	2.676	6.2	19.7
3 22	11 19.85	+20 56.0	1.741	2.681	8.8	19.8
4 1	11 12.49	+21 6.8	1.797	2.686	11.9	20.0
4 11	11 7.06	+20 55.1	1.875	2.691	14.9	20.2

378985 2008 UF_{279} 3 11.8 87°.28 2°.7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.34	− 7 46.6	2.108	2.843	15.4	21.6
2 11	11 47.42	− 7 35.5	2.015	2.847	12.7	21.4
2 21	11 42.44	− 7 5.2	1.942	2.851	9.5	21.2
3 2	11 35.84	− 6 16.8	1.894	2.856	5.9	21.0
3 12	11 28.37	− 5 14.1	1.873	2.860	3.0	20.8
3 22	11 20.88	− 4 2.8	1.881	2.864	4.0	20.9
4 1	11 14.24	− 2 49.8	1.917	2.868	7.5	21.1
4 11	11 9.18	− 1 42.1	1.979	2.873	10.9	21.4

53335 1999 JL_{41} 3 11.8 331°.17 2°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.80	− 8 46.1	2.150	2.883	15.2	18.6
2 11	11 45.46	− 8 30.5	2.048	2.878	12.6	18.4
2 21	11 41.12	− 7 54.7	1.966	2.873	9.5	18.2
3 2	11 35.20	− 6 59.7	1.909	2.869	6.1	18.0
3 12	11 28.39	− 5 49.1	1.879	2.865	3.2	17.8
3 22	11 21.49	− 4 28.6	1.878	2.861	4.0	17.8
4 1	11 15.37	− 3 5.5	1.905	2.857	7.4	18.0
4 11	11 10.75	− 1 47.2	1.957	2.854	10.9	18.2

146888 2002 CG_{34} 3 11.8 146°.75 1°.1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.14	+ 5 17.7	2.578	3.348	12.0	20.4
2 11	11 48.35	+ 5 39.0	2.486	3.351	9.4	20.2
2 21	11 42.81	+ 6 8.7	2.418	3.354	6.5	20.0
3 2	11 35.94	+ 6 43.3	2.377	3.356	3.2	19.8
3 12	11 28.38	+ 7 18.7	2.366	3.358	1.2	19.7
3 22	11 20.82	+ 7 50.6	2.385	3.360	4.1	19.9
4 1	11 13.98	+ 8 15.3	2.433	3.362	7.3	20.1
4 11	11 8.47	+ 8 30.1	2.506	3.364	10.2	20.3

469239 2016 JD_{10} 3 11.8 233°.09 0°.7/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.41	+ 2 40.5	2.064	2.839	14.4	21.5
2 11	11 49.12	+ 3 8.4	1.970	2.836	11.5	21.2
2 21	11 43.66	+ 3 49.3	1.898	2.833	7.9	21.0
3 2	11 36.49	+ 4 39.7	1.851	2.830	3.9	20.8
3 12	11 28.37	+ 5 33.9	1.833	2.826	0.8	20.5
3 22	11 20.19	+ 6 25.9	1.844	2.823	4.7	20.8
4 1	11 12.89	+ 7 9.8	1.883	2.819	8.7	21.0
4 11	11 7.24	+ 7 41.4	1.946	2.816	12.2	21.2

63586 2001 QK_{44} 3 11.8 113°.50 0°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.53	+ 2 31.8	2.523	3.284	12.5	20.1
2 11	11 48.62	+ 2 58.3	2.440	3.299	9.8	20.0
2 21	11 42.96	+ 3 35.0	2.380	3.312	6.7	19.8
3 2	11 35.99	+ 4 18.7	2.348	3.326	3.3	19.6
3 12	11 28.38	+ 5 5.0	2.346	3.339	0.5	19.4
3 22	11 20.83	+ 5 49.2	2.373	3.352	3.8	19.7
4 1	11 14.06	+ 6 27.0	2.430	3.365	7.1	19.9
4 11	11 8.64	+ 6 55.3	2.513	3.377	10.0	20.1

299289 2005 PV_{11} 3 11.8 254°.06 2°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.97	+ 6 40.3	2.436	3.220	12.2	20.7
2 11	11 46.05	+ 7 37.3	2.343	3.217	9.6	20.5
2 21	11 41.34	+ 8 44.3	2.274	3.214	6.5	20.3
3 2	11 35.24	+ 9 56.6	2.232	3.211	3.4	20.1
3 12	11 28.39	+11 8.1	2.220	3.207	2.4	20.0
3 22	11 21.50	+12 12.9	2.237	3.204	5.2	20.2
4 1	11 15.32	+13 5.8	2.283	3.200	8.4	20.4
4 11	11 10.48	+13 43.7	2.353	3.197	11.3	20.6

73021 2002 EL_{68} 3 11.8 264°.16 0°.3/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.08	− 0 52.6	1.728	2.502	16.9	20.4
2 11	11 50.31	− 0 26.2	1.623	2.486	13.7	20.1
2 21	11 44.92	+ 0 19.6	1.537	2.469	9.7	19.8
3 2	11 37.32	+ 1 22.1	1.476	2.453	5.1	19.5
3 12	11 28.35	+ 2 35.4	1.442	2.436	0.3	19.1
3 22	11 19.12	+ 3 51.5	1.436	2.418	5.1	19.4
4 1	11 10.83	+ 5 1.5	1.456	2.401	10.0	19.7
4 11	11 4.51	+ 5 58.1	1.500	2.383	14.4	19.9

346537 2008 UD_{271} 3 11.8 248°.68 3°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.69	− 7 20.2	2.431	3.141	14.2	21.7
2 11	11 53.15	− 7 50.9	2.309	3.123	11.9	21.5
2 21	11 46.45	− 8 8.3	2.208	3.105	9.1	21.3
3 2	11 37.96	− 8 11.6	2.132	3.086	6.1	21.1
3 12	11 28.35	− 8 1.9	2.086	3.066	3.7	20.9
3 22	11 18.46	− 7 41.4	2.069	3.046	4.5	20.9
4 1	11 9.22	− 7 14.4	2.081	3.025	7.5	21.0
4 11	11 1.46	− 6 45.8	2.121	3.004	10.8	21.2

370707 2004 PV_{52} 3 11.8 145°.52 0°.0/11.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.31	+ 1 47.7	2.581	3.330	12.5	22.2
2 11	11 51.55	+ 2 2.3	2.492	3.342	10.0	22.0
2 21	11 44.97	+ 2 27.0	2.427	3.354	6.9	21.9
3 2	11 37.03	+ 2 59.0	2.389	3.364	3.5	21.7
3 12	11 28.38	+ 3 34.5	2.381	3.375	0.1	21.4
3 22	11 19.78	+ 4 9.3	2.404	3.384	3.6	21.7
4 1	11 11.98	+ 4 39.5	2.457	3.393	7.0	21.9
4 11	11 5.58	+ 5 1.7	2.537	3.401	9.9	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
291157 2005 YW_{290}			3 11.8 104°.86		1°.2/10.8 18	
	h m	° ′			°	m
2 1	11 59.76	+ 3 25.3	1.662	2.439	17.3	21.8
2 11	11 55.16	+ 4 0.5	1.595	2.462	13.6	21.6
2 21	11 47.88	+ 4 50.2	1.549	2.485	9.3	21.3
3 2	11 38.59	+ 5 48.9	1.528	2.507	4.6	21.1
3 12	11 28.35	+ 6 49.1	1.536	2.528	1.4	20.9
3 22	11 18.37	+ 7 43.1	1.572	2.549	5.6	21.3
4 1	11 9.76	+ 8 24.8	1.635	2.569	10.0	21.6
4 11	11 3.36	+ 8 50.5	1.722	2.588	13.7	21.8
424806 2008 UL_{104}			3 11.8 264°.73		1°.2/10.6 17	
2 1	11 53.06	+ 4 32.6	2.091	2.870	14.2	21.7
2 11	11 49.68	+ 4 58.5	1.990	2.859	11.2	21.5
2 21	11 44.10	+ 5 35.9	1.912	2.849	7.7	21.2
3 2	11 36.75	+ 6 21.2	1.859	2.838	3.9	21.0
3 12	11 28.39	+ 7 8.8	1.835	2.827	1.3	20.8
3 22	11 19.92	+ 7 52.7	1.840	2.816	5.0	21.0
4 1	11 12.28	+ 8 27.7	1.872	2.805	8.9	21.2
4 11	11 6.29	+ 8 49.8	1.929	2.794	12.5	21.4
502032 2015 AA_{118}			3 11.8 356°.74		2°.1/13.7 17	R
2 1	11 52.13	− 3 46.6	1.806	2.567	16.7	21.1
2 11	11 49.25	− 3 52.7	1.715	2.566	13.7	20.9
2 21	11 43.96	− 3 41.2	1.643	2.565	10.0	20.7
3 2	11 36.72	− 3 13.5	1.595	2.564	5.8	20.4
3 12	11 28.40	− 2 33.2	1.574	2.564	2.3	20.2
3 22	11 20.01	− 1 46.1	1.580	2.564	4.4	20.3
4 1	11 12.61	− 0 58.7	1.613	2.564	8.6	20.6
4 11	11 7.08	− 0 17.6	1.671	2.565	12.5	20.8
56935 2000 RU_{41}			3 11.8 214°.72		2°.4/14.7 18	
2 1	11 51.50	− 6 36.9	2.772	3.490	12.4	19.4
2 11	11 47.83	− 6 40.0	2.663	3.485	10.3	19.2
2 21	11 42.48	− 6 29.6	2.576	3.480	7.7	19.0
3 2	11 35.82	− 6 6.6	2.515	3.475	4.8	18.8
3 12	11 28.42	− 5 33.2	2.484	3.469	2.5	18.7
3 22	11 20.93	− 4 52.6	2.482	3.462	3.4	18.7
4 1	11 14.05	− 4 9.3	2.509	3.456	6.2	18.9
4 11	11 8.38	− 3 27.7	2.564	3.449	9.0	19.0
88774 2001 SC_{76}			3 11.8 154°.03		1°.0/12.9 18	
2 1	11 54.14	− 2 55.3	2.378	3.119	13.7	20.4
2 11	11 50.09	− 2 32.5	2.286	3.128	11.1	20.3
2 21	11 44.11	− 1 55.0	2.216	3.136	7.9	20.1
3 2	11 36.65	− 1 5.1	2.172	3.143	4.3	19.9
3 12	11 28.41	− 0 7.3	2.158	3.150	1.1	19.6
3 22	11 20.18	+ 0 53.3	2.174	3.156	3.6	19.8
4 1	11 12.76	+ 1 51.1	2.219	3.162	7.2	20.1
4 11	11 6.81	+ 2 41.0	2.291	3.167	10.4	20.3
247619 2002 TC_{312}			3 11.8 125°.86		3°.0/ 8.8 18	
2 1	11 54.06	+ 7 27.9	1.899	2.690	14.9	21.4
2 11	11 50.51	+ 8 31.9	1.823	2.700	11.7	21.2
2 21	11 44.64	+ 9 47.5	1.769	2.710	7.9	21.0
3 2	11 36.98	+11 8.0	1.742	2.720	4.3	20.8
3 12	11 28.41	+12 25.0	1.744	2.729	3.3	20.7
3 22	11 19.91	+13 31.1	1.773	2.738	6.5	20.9
4 1	11 12.48	+14 20.4	1.830	2.747	10.2	21.2
4 11	11 6.88	+14 50.1	1.911	2.755	13.5	21.4
331915 2004 RW_{168}			3 11.8 154°.15		2°.2/14.2 17	
2 1	11 52.01	− 6 6.9	2.101	2.840	15.3	21.0
2 11	11 48.76	− 5 54.8	2.006	2.843	12.6	20.8
2 21	11 43.40	− 5 24.6	1.933	2.846	9.2	20.6
3 2	11 36.37	− 4 37.5	1.884	2.849	5.6	20.4
3 12	11 28.43	− 3 37.7	1.863	2.851	2.4	20.2
3 22	11 20.45	− 2 30.7	1.870	2.854	4.0	20.3
4 1	11 13.34	− 1 23.4	1.906	2.856	7.7	20.5
4 11	11 7.84	− 0 22.3	1.968	2.858	11.2	20.7
111735 2002 CT_{74}			3 11.8 254°.51		0°.7/10.9 18	
2 1	11 50.15	+ 3 20.5	2.557	3.326	12.1	20.0
2 11	11 46.89	+ 3 48.9	2.457	3.321	9.6	19.8
2 21	11 41.89	+ 4 27.6	2.381	3.316	6.6	19.6
3 2	11 35.54	+ 5 13.4	2.332	3.310	3.3	19.4
3 12	11 28.45	+ 6 1.8	2.312	3.305	0.8	19.2
3 22	11 21.31	+ 6 48.1	2.322	3.299	4.0	19.4
4 1	11 14.83	+ 7 27.7	2.360	3.294	7.3	19.6
4 11	11 9.64	+ 7 57.3	2.425	3.288	10.3	19.8
460803 2014 WR_{47}			3 11.8 123°.58		0°.9/11.0 18	
2 1	11 53.33	+ 2 32.9	1.824	2.605	15.8	21.5
2 11	11 50.11	+ 3 6.6	1.739	2.609	12.6	21.3
2 21	11 44.48	+ 3 55.3	1.676	2.613	8.7	21.1
3 2	11 36.96	+ 4 54.5	1.637	2.616	4.3	20.8
3 12	11 28.43	+ 5 57.6	1.626	2.619	1.0	20.6
3 22	11 19.90	+ 6 57.2	1.644	2.622	5.2	20.9
4 1	11 12.42	+ 7 46.8	1.688	2.626	9.4	21.2
4 11	11 6.81	+ 8 21.7	1.757	2.629	13.2	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
217912 2001 SA_{178}			3 11.8 194°.95		1°.4/13.4 16	
	h m	° ′			°	m
2 1	11 52.63	− 4 41.1	2.286	3.024	14.2	21.5
2 11	11 49.10	− 4 13.1	2.183	3.022	11.6	21.3
2 21	11 43.57	− 3 27.8	2.102	3.019	8.4	21.1
3 2	11 36.45	− 2 27.4	2.047	3.016	4.8	20.9
3 12	11 28.44	− 1 16.2	2.021	3.012	1.5	20.6
3 22	11 20.35	− 0 0.1	2.024	3.008	3.7	20.8
4 1	11 13.03	+ 1 14.1	2.057	3.003	7.5	21.0
4 11	11 7.20	+ 2 20.4	2.117	2.997	10.9	21.2
296943 2010 DN_{45}			3 11.8 101°.11		1°.8/13.5 17	
2 1	11 55.99	− 2 36.3	2.234	2.976	14.4	21.0
2 11	11 51.67	− 2 51.2	2.145	2.985	11.7	20.8
2 21	11 45.27	− 2 53.1	2.077	2.995	8.5	20.7
3 2	11 37.27	− 2 43.4	2.036	3.004	4.9	20.4
3 12	11 28.43	− 2 24.9	2.023	3.014	1.9	20.3
3 22	11 19.62	− 2 1.2	2.040	3.023	3.8	20.4
4 1	11 11.70	− 1 37.0	2.086	3.032	7.3	20.6
4 11	11 5.38	− 1 16.4	2.157	3.041	10.6	20.9
161817 2006 WL_{66}			3 11.8 214°.02		2°.3/15.1 18	
2 1	11 49.97	− 8 14.3	3.067	3.774	11.6	21.2
2 11	11 46.48	− 8 2.8	2.952	3.766	9.6	21.1
2 21	11 41.47	− 7 37.5	2.860	3.758	7.2	20.9
3 2	11 35.30	− 6 59.1	2.794	3.750	4.6	20.7
3 12	11 28.47	− 6 10.1	2.758	3.741	2.5	20.5
3 22	11 21.56	− 5 13.9	2.752	3.732	3.2	20.6
4 1	11 15.17	− 4 15.0	2.776	3.722	5.7	20.7
4 11	11 9.84	− 3 17.9	2.827	3.712	8.3	20.9
68183 2001 BL_{50}			3 11.8 126°.76		0°.6/12.5 18	
2 1	11 55.62	− 2 53.5	2.110	2.856	15.1	20.4
2 11	11 51.42	− 2 8.4	2.030	2.876	12.1	20.3
2 21	11 45.09	− 1 6.0	1.972	2.895	8.5	20.1
3 2	11 37.17	+ 0 10.1	1.940	2.913	4.5	19.9
3 12	11 28.45	+ 1 33.7	1.937	2.931	0.6	19.6
3 22	11 19.83	+ 2 57.7	1.965	2.947	4.0	19.9
4 1	11 12.21	+ 4 15.0	2.023	2.963	7.9	20.1
4 11	11 6.26	+ 5 20.0	2.106	2.978	11.3	20.4
28991 2001 MU_{27}			3 11.9 107°.36		4°.2/16.6 18	
2 1	11 52.44	−11 38.1	2.399	3.098	14.6	18.0
2 11	11 48.82	−11 55.6	2.306	3.108	12.3	17.8
2 21	11 43.29	−11 55.5	2.233	3.117	9.6	17.6
3 2	11 36.27	−11 37.7	2.184	3.126	6.8	17.5
3 12	11 28.47	−11 3.9	2.163	3.135	4.5	17.4
3 22	11 20.65	−10 17.7	2.170	3.144	4.6	17.4
4 1	11 13.62	− 9 24.4	2.206	3.152	7.0	17.5
4 11	11 8.03	− 8 29.8	2.268	3.161	9.8	17.7
239905 2000 SP_{151}			3 11.9 201°.48		0°.3/12.2 17	
2 1	11 55.88	− 1 3.4	2.172	2.923	14.6	21.9
2 11	11 51.82	− 0 32.5	2.068	2.918	11.7	21.7
2 21	11 45.55	+ 0 14.2	1.987	2.912	8.3	21.5
3 2	11 37.51	+ 1 13.8	1.931	2.906	4.3	21.2
3 12	11 28.45	+ 2 21.3	1.905	2.899	0.3	20.9
3 22	11 19.28	+ 3 30.3	1.909	2.890	4.2	21.2
4 1	11 10.93	+ 4 34.2	1.942	2.881	8.3	21.4
4 11	11 4.22	+ 5 27.3	2.001	2.871	11.9	21.6
497258 2005 JO_{7}			3 11.9 353°.26		0°.6/11.3 17	
2 1	11 50.74	+ 2 51.2	1.836	2.622	15.5	21.5
2 11	11 48.10	+ 3 10.0	1.746	2.619	12.4	21.2
2 21	11 43.13	+ 3 42.5	1.679	2.617	8.6	21.0
3 2	11 36.31	+ 4 24.8	1.636	2.615	4.3	20.7
3 12	11 28.47	+ 5 11.4	1.620	2.613	0.7	20.5
3 22	11 20.60	+ 5 55.9	1.632	2.612	4.9	20.8
4 1	11 13.70	+ 6 32.2	1.670	2.612	9.2	21.0
4 11	11 8.60	+ 6 55.9	1.732	2.612	13.0	21.2
148472 2001 DQ_{88}			3 11.9 65°.62		0°.4/11.6 18	
2 1	11 58.07	+ 2 33.3	1.275	2.074	20.4	20.2
2 11	11 54.86	+ 2 38.9	1.203	2.082	16.3	20.0
2 21	11 48.32	+ 3 2.0	1.150	2.090	11.4	19.7
3 2	11 39.09	+ 3 38.5	1.119	2.098	5.7	19.4
3 12	11 28.44	+ 4 21.0	1.113	2.107	0.5	19.0
3 22	11 17.90	+ 5 0.9	1.133	2.116	6.2	19.5
4 1	11 9.00	+ 5 30.8	1.178	2.124	11.6	19.8
4 11	11 2.82	+ 5 45.3	1.244	2.133	16.3	20.1
207316 2005 GN_{96}			3 11.9 147°.13		1°.4/10.2 17	
2 1	11 52.85	+ 5 41.1	2.566	3.336	12.0	21.7
2 11	11 48.92	+ 6 12.6	2.478	3.343	9.5	21.5
2 21	11 43.23	+ 6 52.6	2.414	3.350	6.4	21.3
3 2	11 36.20	+ 7 37.3	2.377	3.356	3.2	21.1
3 12	11 28.48	+ 8 22.2	2.371	3.361	1.5	21.0
3 22	11 20.80	+ 9 2.6	2.394	3.367	4.3	21.2
4 1	11 13.85	+ 9 34.5	2.446	3.372	7.5	21.4
4 11	11 8.26	+ 9 55.2	2.524	3.377	10.3	21.6

112211 2002 JL_{135} 3 11.9 319°.18 0°.0/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.70	+ 0 34.6	1.394	2.193	19.0	20.2
2 11	11 49.01	+ 0 50.7	1.301	2.180	15.3	19.9
2 21	11 44.36	+ 1 27.2	1.227	2.167	10.8	19.6
3 2	11 37.18	+ 2 20.9	1.175	2.154	5.6	19.3
3 12	11 28.46	+ 3 24.9	1.148	2.142	0.1	18.8
3 22	11 19.51	+ 4 30.2	1.147	2.131	5.9	19.2
4 1	11 11.76	+ 5 27.1	1.170	2.120	11.3	19.5
4 11	11 6.35	+ 6 7.9	1.215	2.110	16.2	19.7

96447 1998 FH_{135} 3 11.9 310°.74 1°.8/13.2 17

2 1	11 50.70	− 2 44.6	1.418	2.204	19.3	19.7
2 11	11 49.08	− 2 47.3	1.317	2.185	15.9	19.4
2 21	11 44.49	− 2 28.5	1.234	2.165	11.6	19.0
3 2	11 37.30	− 1 48.8	1.172	2.147	6.6	18.7
3 12	11 28.46	− 0 52.8	1.136	2.128	2.0	18.4
3 22	11 19.25	+ 0 11.7	1.124	2.110	5.5	18.5
4 1	11 11.13	+ 1 15.0	1.138	2.093	11.0	18.8
4 11	11 5.33	+ 2 7.9	1.173	2.076	16.0	19.0

226338 2003 FQ_{71} 3 11.9 238°.67 2°.1/ 9.7 18

2 1	11 54.85	+ 7 8.2	2.261	3.038	13.3	21.1
2 11	11 50.96	+ 7 44.1	2.156	3.025	10.5	20.8
2 21	11 44.94	+ 8 29.6	2.074	3.011	7.2	20.6
3 2	11 37.21	+ 9 20.5	2.019	2.997	3.7	20.4
3 12	11 28.48	+10 10.9	1.994	2.982	2.3	20.2
3 22	11 19.62	+10 55.1	1.997	2.967	5.4	20.4
4 1	11 11.53	+11 28.2	2.030	2.951	9.0	20.6
4 11	11 4.99	+11 47.0	2.087	2.935	12.4	20.8

412097 2013 FF_{23} 3 11.9 318°.33 4°.7/ 8.7 16

2 1	11 56.16	+11 44.9	1.359	2.177	18.4	21.4
2 11	11 53.47	+12 18.3	1.274	2.166	14.6	21.1
2 21	11 47.50	+13 1.2	1.209	2.155	10.3	20.8
3 2	11 38.78	+13 45.8	1.167	2.144	6.1	20.6
3 12	11 28.45	+14 22.3	1.150	2.134	5.1	20.5
3 22	11 18.01	+14 42.3	1.158	2.124	8.9	20.7
4 1	11 8.99	+14 40.2	1.190	2.115	13.7	20.9
4 11	11 2.60	+14 14.6	1.242	2.106	18.0	21.1

340673 2006 RV_{42} 3 11.9 102°.92 2°.2/ 9.5 17

2 1	11 54.96	+ 9 33.9	2.447	3.226	12.3	21.1
2 11	11 50.64	+ 9 55.1	2.364	3.234	9.7	20.9
2 21	11 44.43	+10 21.8	2.305	3.242	6.6	20.8
3 2	11 36.82	+10 50.2	2.273	3.250	3.5	20.6
3 12	11 28.50	+11 15.5	2.271	3.258	2.4	20.5
3 22	11 20.25	+11 33.7	2.298	3.265	5.0	20.7
4 1	11 12.84	+11 41.8	2.354	3.273	8.1	20.9
4 11	11 6.90	+11 38.1	2.435	3.281	10.9	21.1

384585 2010 JM_{110} 3 11.9 276°.78 0°.6/11.1 18

2 1	11 48.56	+ 0 59.4	2.295	3.066	13.3	20.8
2 11	11 45.91	+ 1 50.0	2.194	3.058	10.6	20.6
2 21	11 41.38	+ 2 55.4	2.116	3.051	7.3	20.4
3 2	11 35.37	+ 4 11.7	2.065	3.043	3.6	20.1
3 12	11 28.52	+ 5 33.2	2.043	3.036	0.7	19.9
3 22	11 21.58	+ 6 53.2	2.050	3.028	4.3	20.2
4 1	11 15.36	+ 8 5.1	2.086	3.021	8.0	20.4
4 11	11 10.54	+ 9 3.9	2.147	3.014	11.4	20.6

362141 2009 DH_{85} 3 11.9 41°.38 1°.2/10.8 18

2 1	11 53.00	+ 2 37.1	1.476	2.273	18.2	21.8
2 11	11 50.45	+ 3 14.5	1.397	2.276	14.4	21.5
2 21	11 45.06	+ 4 10.2	1.338	2.279	10.0	21.3
3 2	11 37.39	+ 5 18.8	1.303	2.283	4.9	21.0
3 12	11 28.49	+ 6 31.7	1.294	2.287	1.4	20.7
3 22	11 19.60	+ 7 39.7	1.311	2.290	6.1	21.1
4 1	11 12.00	+ 8 34.4	1.354	2.294	11.0	21.3
4 11	11 6.65	+ 9 10.2	1.419	2.298	15.3	21.6

47199 1999 TY_{204} 3 11.9 215°.65 0°.6/11.4 18

2 1	11 59.42	+ 2 21.5	1.859	2.626	16.1	20.0
2 11	11 55.11	+ 2 43.9	1.757	2.617	12.9	19.8
2 21	11 48.13	+ 3 20.9	1.675	2.608	9.0	19.5
3 2	11 38.96	+ 4 9.1	1.619	2.597	4.6	19.2
3 12	11 28.47	+ 5 2.8	1.592	2.585	0.7	18.9
3 22	11 17.78	+ 5 54.8	1.594	2.573	5.2	19.2
4 1	11 8.10	+ 6 38.6	1.623	2.559	9.9	19.4
4 11	11 0.40	+ 7 9.1	1.678	2.545	14.0	19.6

285982 2001 RH_{145} 3 11.9 156°.02 1°.4/13.5 16

2 1	11 55.35	− 4 5.3	2.588	3.315	13.0	22.5
2 11	11 50.88	− 3 49.8	2.494	3.325	10.6	22.4
2 21	11 44.58	− 3 20.6	2.421	3.335	7.6	22.2
3 2	11 36.91	− 2 39.3	2.376	3.343	4.4	22.0
3 12	11 28.50	− 1 49.6	2.360	3.351	1.5	21.8
3 22	11 20.10	− 0 55.9	2.376	3.358	3.4	21.9
4 1	11 12.46	− 0 3.2	2.421	3.364	6.6	22.2
4 11	11 6.19	+ 0 43.9	2.494	3.370	9.6	22.4

363037 1999 RA_{200} 3 11.9 154°.63 5°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.47	−14 11.2	2.087	2.779	16.7	21.2
2 11	11 50.80	−14 16.0	1.992	2.787	14.3	21.0
2 21	11 44.88	−13 58.1	1.916	2.794	11.3	20.8
3 2	11 37.18	−13 16.7	1.863	2.800	8.1	20.7
3 12	11 28.50	−12 14.0	1.836	2.806	5.5	20.5
3 22	11 19.79	−10 55.0	1.838	2.811	5.4	20.5
4 1	11 12.00	− 9 27.4	1.868	2.816	7.9	20.7
4 11	11 5.94	− 7 59.6	1.925	2.820	11.1	20.9

185379 2006 VF_{139} 3 11.9 242°.60 0°.1/11.9 17

2 1	11 50.74	+ 0 41.2	2.703	3.458	11.9	21.7
2 11	11 47.31	+ 1 2.8	2.594	3.448	9.5	21.5
2 21	11 42.19	+ 1 35.4	2.509	3.437	6.7	21.3
3 2	11 35.74	+ 2 16.8	2.450	3.426	3.4	21.1
3 12	11 28.53	+ 3 3.1	2.421	3.415	0.1	20.7
3 22	11 21.23	+ 3 50.0	2.422	3.404	3.5	21.0
4 1	11 14.54	+ 4 33.0	2.453	3.392	6.8	21.2
4 11	11 9.06	+ 5 8.2	2.510	3.380	9.8	21.4

326113 2011 UG_{108} 3 11.9 237°.96 4°.4/ 7.6 17

2 1	11 57.67	+11 13.4	1.904	2.696	14.9	21.9
2 11	11 53.77	+12 21.7	1.802	2.679	11.8	21.6
2 21	11 47.25	+13 40.9	1.722	2.661	8.3	21.4
3 2	11 38.54	+15 3.9	1.669	2.642	5.1	21.2
3 12	11 28.49	+16 21.3	1.645	2.623	4.9	21.1
3 22	11 18.20	+17 24.7	1.649	2.602	8.1	21.2
4 1	11 8.86	+18 7.5	1.680	2.581	11.9	21.4
4 11	11 1.46	+18 27.0	1.734	2.559	15.5	21.6

83652 2001 TM_{8} 3 11.9 121°.14 5°.2/ 6.1 18

2 1	11 57.17	+20 7.3	2.538	3.327	11.7	19.2
2 11	11 52.33	+20 49.4	2.466	3.335	9.3	19.1
2 21	11 45.57	+21 30.8	2.417	3.343	7.0	19.0
3 2	11 37.38	+22 5.5	2.397	3.352	5.4	18.9
3 12	11 28.52	+22 28.3	2.405	3.360	5.6	18.9
3 22	11 19.80	+22 35.4	2.442	3.367	7.4	19.0
4 1	11 11.99	+22 25.4	2.506	3.375	9.7	19.2
4 11	11 5.73	+21 58.6	2.594	3.382	12.0	19.3

171318 2006 HW_{67} 3 11.9 241°.97 1°.1/12.8 16

2 1	11 54.97	− 2 11.7	1.878	2.636	16.2	21.4
2 11	11 51.60	− 1 57.0	1.771	2.623	13.2	21.2
2 21	11 45.72	− 1 24.4	1.684	2.610	9.5	20.9
3 2	11 37.76	− 0 35.8	1.622	2.595	5.2	20.7
3 12	11 28.52	+ 0 24.0	1.588	2.581	1.1	20.3
3 22	11 19.05	+ 1 28.4	1.582	2.565	4.6	20.5
4 1	11 10.47	+ 2 30.0	1.604	2.550	9.2	20.8
4 11	11 3.74	+ 3 21.9	1.651	2.533	13.3	21.0

90270 2003 CX_{9} 3 11.9 325°.00 1°.9/ 9.4 18

2 1	11 48.05	+ 4 14.6	2.293	3.076	12.9	19.6
2 11	11 45.49	+ 5 25.8	2.201	3.075	10.1	19.4
2 21	11 41.07	+ 6 50.3	2.133	3.073	6.9	19.2
3 2	11 35.20	+ 8 22.9	2.093	3.072	3.4	19.0
3 12	11 28.55	+ 9 56.4	2.082	3.071	2.1	18.9
3 22	11 21.87	+11 23.8	2.100	3.069	5.2	19.1
4 1	11 15.92	+12 38.5	2.147	3.068	8.6	19.3
4 11	11 11.36	+13 36.5	2.219	3.067	11.7	19.5

245674 2006 BN_{27} 3 11.9 312°.64 0°.3/11.6 16

2 1	11 51.88	+ 1 41.3	1.315	2.120	19.6	21.1
2 11	11 50.23	+ 1 52.4	1.221	2.103	15.8	20.8
2 21	11 45.41	+ 2 23.0	1.145	2.087	11.2	20.5
3 2	11 37.83	+ 3 10.2	1.091	2.071	5.8	20.1
3 12	11 28.53	+ 4 7.0	1.062	2.055	0.4	19.7
3 22	11 18.90	+ 5 4.0	1.057	2.041	6.3	20.1
4 1	11 10.51	+ 5 51.7	1.077	2.026	12.1	20.3
4 11	11 4.65	+ 6 22.6	1.117	2.013	17.2	20.6

433000 2012 QA_{28} 3 11.9 125°.38 0°.6/12.5 17

2 1	11 53.50	− 0 20.1	2.455	3.205	13.1	22.1
2 11	11 49.53	− 0 11.0	2.365	3.214	10.5	22.0
2 21	11 43.71	+ 0 9.7	2.298	3.223	7.4	21.8
3 2	11 36.49	+ 0 39.7	2.258	3.232	3.9	21.6
3 12	11 28.55	+ 1 15.5	2.247	3.240	0.6	21.3
3 22	11 20.63	+ 1 52.7	2.265	3.248	3.5	21.6
4 1	11 13.50	+ 2 26.9	2.313	3.256	6.9	21.8
4 11	11 7.76	+ 2 54.2	2.388	3.263	10.0	22.0

415941 2001 WK_{41} 3 11.9 132°.85 5°.0/18.4 18

2 1	11 55.16	−16 56.0	2.687	3.339	14.2	21.3
2 11	11 50.72	−17 5.7	2.595	3.358	12.2	21.1
2 21	11 44.47	−16 56.4	2.523	3.376	9.8	21.0
3 2	11 36.86	−16 27.5	2.475	3.393	7.4	20.9
3 12	11 28.55	−15 40.5	2.454	3.409	5.4	20.8
3 22	11 20.27	−14 38.8	2.463	3.425	5.1	20.8
4 1	11 12.77	−13 27.7	2.501	3.439	6.7	20.9
4 11	11 6.65	−12 13.6	2.567	3.453	9.0	21.0

251031 2006 QB_{97} 3 11.9 231°.89 1°.8/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.42	+ 5 4.3	1.984	2.763	14.8	21.5
2 11	11 51.76	+ 5 45.8	1.881	2.751	11.8	21.3
2 21	11 45.70	+ 6 40.4	1.801	2.739	8.1	21.0
3 2	11 37.70	+ 7 43.5	1.748	2.726	4.1	20.8
3 12	11 28.53	+ 8 48.5	1.722	2.713	2.0	20.6
3 22	11 19.21	+ 9 48.1	1.726	2.699	5.7	20.8
4 1	11 10.77	+10 35.9	1.757	2.685	9.8	21.0
4 11	11 4.11	+11 7.5	1.813	2.670	13.6	21.2

291421 2006 DP_{12} 3 11.9 42°.45 0°.9/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.64	+ 0 48.7	1.209	2.019	20.7	20.4
2 11	11 49.79	+ 1 31.2	1.147	2.032	16.4	20.1
2 21	11 44.78	+ 2 36.7	1.104	2.047	11.3	19.9
3 2	11 37.28	+ 3 58.7	1.082	2.062	5.6	19.6
3 12	11 28.54	+ 5 26.6	1.085	2.078	1.0	19.3
3 22	11 20.01	+ 6 48.7	1.113	2.094	6.4	19.7
4 1	11 13.06	+ 7 54.8	1.165	2.111	11.7	20.1
4 11	11 8.67	+ 8 38.7	1.238	2.129	16.3	20.4

6159 Andréseloy 3 11.9 72°.83 3°.5/ 9.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.74	+ 9 26.7	1.431	2.237	18.2	17.0
2 11	11 55.06	+ 9 57.9	1.359	2.244	14.4	16.7
2 21	11 48.28	+10 39.5	1.307	2.250	9.9	16.5
3 2	11 39.04	+11 24.5	1.279	2.257	5.4	16.2
3 12	11 28.54	+12 4.1	1.277	2.264	3.8	16.2
3 22	11 18.18	+12 30.6	1.302	2.271	7.6	16.4
4 1	11 9.34	+12 39.1	1.351	2.279	12.2	16.7
4 11	11 3.01	+12 27.8	1.422	2.286	16.2	16.9

410321 2007 TT_{452} 3 11.9 249°.87 1°.9/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.12	+ 3 55.8	1.705	2.495	16.4	21.9
2 11	11 50.32	+ 4 47.0	1.610	2.486	13.0	21.7
2 21	11 44.92	+ 5 55.2	1.536	2.477	9.0	21.4
3 2	11 37.38	+ 7 15.0	1.487	2.467	4.5	21.1
3 12	11 28.57	+ 8 38.1	1.466	2.457	2.1	20.9
3 22	11 19.60	+ 9 55.3	1.472	2.447	6.3	21.2
4 1	11 11.67	+10 58.3	1.505	2.436	10.9	21.4
4 11	11 5.73	+11 41.9	1.561	2.425	14.9	21.6

328667 2009 SP_{282} 3 11.9 213°.59 2°.8/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.99	+ 8 46.3	2.076	2.863	14.0	22.0
2 11	11 51.21	+ 9 28.5	1.984	2.859	11.0	21.8
2 21	11 45.18	+10 19.8	1.915	2.854	7.6	21.5
3 2	11 37.37	+11 15.0	1.872	2.849	4.1	21.3
3 12	11 28.57	+12 7.4	1.858	2.844	3.1	21.2
3 22	11 19.72	+12 50.8	1.872	2.838	6.1	21.4
4 1	11 11.79	+13 20.2	1.914	2.832	9.7	21.6
4 11	11 5.57	+13 33.0	1.980	2.826	13.1	21.8

313639 2003 SA_{47} 3 11.9 182°.79 1°.4/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.13	− 2 57.2	2.164	2.904	14.9	21.9
2 11	11 52.78	− 2 48.3	2.064	2.905	12.1	21.7
2 21	11 46.22	− 2 24.1	1.987	2.905	8.7	21.5
3 2	11 37.89	− 1 46.4	1.935	2.905	4.9	21.3
3 12	11 28.57	− 0 59.0	1.912	2.904	1.5	21.0
3 22	11 19.17	− 0 7.2	1.919	2.902	4.0	21.2
4 1	11 10.66	+ 0 43.1	1.955	2.899	7.9	21.4
4 11	11 3.81	+ 1 26.4	2.017	2.896	11.5	21.6

19450 Sussman 3 11.9 12°.64 4°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.80	+ 9 52.5	1.449	2.263	17.6	17.7
2 11	11 51.20	+10 49.2	1.374	2.264	13.9	17.5
2 21	11 45.65	+11 58.0	1.319	2.265	9.6	17.2
3 2	11 37.74	+13 10.5	1.289	2.266	5.5	17.0
3 12	11 28.56	+14 16.5	1.285	2.268	4.8	16.9
3 22	11 19.43	+15 6.8	1.306	2.270	8.4	17.1
4 1	11 11.65	+15 35.0	1.352	2.272	12.7	17.4
4 11	11 6.22	+15 39.0	1.418	2.275	16.7	17.6

208674 2002 GG_{82} 3 11.9 317°.25 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.98	+ 4 38.3	1.360	2.174	18.6	20.2
2 11	11 48.56	+ 5 22.2	1.269	2.159	14.8	19.9
2 21	11 44.13	+ 6 25.5	1.197	2.144	10.2	19.6
3 2	11 37.13	+ 7 42.4	1.148	2.129	5.2	19.3
3 12	11 28.57	+ 9 3.2	1.124	2.115	2.7	19.1
3 22	11 19.78	+10 16.7	1.125	2.101	7.4	19.3
4 1	11 12.19	+11 13.1	1.150	2.089	12.7	19.6
4 11	11 7.00	+11 46.2	1.196	2.077	17.4	19.8

429226 2009 YL_{25} 3 11.9 161°.19 1°.7/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.61	− 4 19.0	2.653	3.379	12.8	22.4
2 11	11 50.30	− 4 14.4	2.556	3.386	10.4	22.2
2 21	11 44.21	− 3 56.9	2.480	3.392	7.6	22.1
3 2	11 36.76	− 3 27.7	2.432	3.397	4.5	21.9
3 12	11 28.59	− 2 49.7	2.413	3.402	1.8	21.7
3 22	11 20.40	− 2 7.1	2.424	3.407	3.3	21.8
4 1	11 12.92	− 1 24.1	2.466	3.411	6.4	22.0
4 11	11 6.77	− 0 45.1	2.534	3.414	9.4	22.2

381558 2008 TE_{110} 3 11.9 190°.43 4°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 56.50	+17 45.5	2.540	3.327	11.7	21.1
2 11	11 51.94	+18 39.0	2.455	3.326	9.3	21.0
2 21	11 45.41	+19 34.2	2.395	3.324	6.8	20.8
3 2	11 37.39	+20 25.2	2.362	3.322	5.1	20.7
3 12	11 28.58	+21 5.9	2.359	3.319	5.2	20.7
3 22	11 19.80	+21 31.8	2.385	3.316	7.2	20.8
4 1	11 11.84	+21 40.2	2.438	3.312	9.8	21.0
4 11	11 5.38	+21 30.7	2.515	3.308	12.2	21.1

69127 2003 FK_{12} 3 11.9 231°.52 2°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.88	− 8 26.6	2.560	3.280	13.3	19.7
2 11	11 45.96	− 8 13.8	2.456	3.278	11.0	19.5
2 21	11 41.32	− 7 44.4	2.374	3.276	8.3	19.3
3 2	11 35.33	− 6 59.5	2.317	3.274	5.3	19.1
3 12	11 28.61	− 6 1.9	2.288	3.272	2.8	19.0
3 22	11 21.83	− 4 56.1	2.288	3.270	3.6	19.0
4 1	11 15.70	− 3 47.8	2.318	3.268	6.5	19.2
4 11	11 10.84	− 2 42.6	2.375	3.266	9.4	19.4

141282 2001 YU_{58} 3 11.9 258°.25 4°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.26	−11 42.3	2.533	3.231	14.0	20.5
2 11	11 47.95	−12 1.1	2.422	3.222	11.9	20.3
2 21	11 42.78	−12 3.6	2.331	3.214	9.3	20.1
3 2	11 36.12	−11 48.9	2.265	3.206	6.6	19.9
3 12	11 28.60	−11 18.4	2.226	3.197	4.5	19.8
3 22	11 20.94	−10 35.1	2.216	3.189	4.6	19.7
4 1	11 13.93	− 9 43.8	2.234	3.180	6.9	19.9
4 11	11 8.25	− 8 50.1	2.279	3.172	9.7	20.0

40288 1999 JP_{64} 3 11.9 207°.40 1°.3/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.95	+ 3 32.3	2.090	2.859	14.5	20.2
2 11	11 52.00	+ 4 13.5	1.989	2.853	11.5	20.0
2 21	11 45.76	+ 5 8.3	1.912	2.847	7.9	19.7
3 2	11 37.70	+ 6 12.4	1.861	2.839	3.9	19.5
3 12	11 28.59	+ 7 19.5	1.839	2.831	1.4	19.3
3 22	11 19.35	+ 8 22.8	1.846	2.822	5.1	19.5
4 1	11 10.99	+ 9 16.0	1.882	2.812	9.1	19.7
4 11	11 4.33	+ 9 54.5	1.943	2.801	12.7	19.9

338271 2002 TO_{298} 3 11.9 129°.87 2°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.01	− 6 12.7	2.558	3.283	13.2	21.3
2 11	11 48.31	− 6 4.8	2.465	3.293	10.8	21.1
2 21	11 42.87	− 5 42.2	2.395	3.303	8.0	21.0
3 2	11 36.09	− 5 6.2	2.350	3.312	4.9	20.8
3 12	11 28.61	− 4 19.9	2.334	3.321	2.3	20.6
3 22	11 21.14	− 3 27.6	2.348	3.330	3.4	20.7
4 1	11 14.40	− 2 34.3	2.391	3.339	6.4	20.9
4 11	11 8.98	− 1 44.9	2.461	3.347	9.4	21.1

520615 2014 OQ_{412} 3 11.9 127°.70 4°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.81	+12 36.9	1.967	2.758	14.5	21.5
2 11	11 54.19	+13 18.2	1.893	2.768	11.4	21.3
2 21	11 47.17	+14 5.0	1.841	2.778	8.0	21.1
3 2	11 38.33	+14 50.8	1.815	2.788	4.8	20.9
3 12	11 28.59	+15 28.8	1.818	2.798	4.3	20.9
3 22	11 18.99	+15 53.5	1.850	2.807	7.0	21.1
4 1	11 10.53	+16 1.3	1.909	2.815	10.4	21.3
4 11	11 3.99	+15 51.6	1.991	2.824	13.5	21.5

431620 2007 VS_{318} 3 11.9 200°.76 2°.6/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.73	+10 16.3	2.459	3.239	12.2	21.8
2 11	11 50.57	+10 44.4	2.366	3.238	9.6	21.7
2 21	11 44.50	+11 18.2	2.298	3.236	6.6	21.5
3 2	11 36.94	+11 53.5	2.257	3.233	3.7	21.3
3 12	11 28.61	+12 25.3	2.246	3.231	2.8	21.2
3 22	11 20.27	+12 49.0	2.264	3.228	5.3	21.4
4 1	11 12.71	+13 1.5	2.311	3.226	8.4	21.5
4 11	11 6.61	+13 0.8	2.383	3.223	11.3	21.7

503114 2015 FS_{325} 3 11.9 208°.49 4°.6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.99	+17 32.5	2.717	3.509	10.9	21.3
2 11	11 49.07	+18 29.0	2.631	3.505	8.7	21.1
2 21	11 43.40	+19 27.5	2.569	3.500	6.4	21.0
3 2	11 36.37	+20 22.5	2.535	3.495	4.7	20.8
3 12	11 28.62	+21 8.2	2.531	3.490	5.0	20.9
3 22	11 20.87	+21 40.2	2.556	3.485	6.9	21.0
4 1	11 13.83	+21 55.9	2.607	3.479	9.3	21.1
4 11	11 8.12	+21 54.4	2.682	3.474	11.6	21.3

319647 2006 SW_{410} 3 11.9 325°.48 2°.1/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.49	− 5 11.0	1.603	2.371	18.2	20.8
2 11	11 48.38	− 4 56.9	1.511	2.366	15.0	20.6
2 21	11 43.65	− 4 20.0	1.437	2.361	11.0	20.3
3 2	11 36.76	− 3 21.5	1.387	2.357	6.4	20.1
3 12	11 28.61	− 2 6.9	1.362	2.353	2.3	19.8
3 22	11 20.35	− 0 44.3	1.364	2.349	4.8	19.9
4 1	11 13.15	+ 0 36.8	1.392	2.346	9.5	20.2
4 11	11 8.00	+ 1 47.5	1.444	2.343	13.9	20.4

214748 2006 TR_{59} 3 11.9 329.°53 2.°0/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 49.70	− 4 58.2	2.233	2.978	14.4	20.5
2 11	11 46.90	− 4 54.4	2.132	2.973	11.8	20.3
2 21	11 42.14	− 4 34.8	2.052	2.968	8.6	20.1
3 2	11 35.83	− 4 0.6	1.997	2.964	5.2	19.9
3 12	11 28.63	− 3 15.0	1.970	2.959	2.2	19.7
3 22	11 21.36	− 2 22.8	1.971	2.955	3.8	19.8
4 1	11 14.83	− 1 29.8	2.001	2.951	7.3	20.0
4 11	11 9.75	− 0 41.6	2.056	2.947	10.7	20.2

51125 2000 HM_{36} 3 11.9 301.°92 4.°8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.77	+13 59.2	2.114	2.919	13.1	18.9
2 11	11 47.88	+15 12.8	2.030	2.914	10.3	18.7
2 21	11 42.87	+16 32.8	1.970	2.910	7.4	18.5
3 2	11 36.21	+17 52.1	1.937	2.905	5.1	18.4
3 12	11 28.63	+19 2.7	1.932	2.901	5.3	18.4
3 22	11 21.03	+19 57.9	1.955	2.897	7.8	18.5
4 1	11 14.31	+20 33.2	2.003	2.893	10.9	18.7
4 11	11 9.19	+20 46.9	2.075	2.889	13.7	18.9

251599 2009 HE_{64} 3 11.9 123.°32 1.°9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.07	− 5 17.7	1.855	2.603	16.8	21.0
2 11	11 50.66	− 4 56.9	1.770	2.614	13.7	20.8
2 21	11 44.88	− 4 15.9	1.706	2.625	9.9	20.6
3 2	11 37.24	− 3 16.9	1.666	2.635	5.7	20.4
3 12	11 28.62	− 2 5.1	1.654	2.645	2.0	20.1
3 22	11 20.04	− 0 47.8	1.670	2.654	4.3	20.3
4 1	11 12.50	+ 0 27.0	1.714	2.663	8.4	20.6
4 11	11 6.83	+ 1 32.3	1.783	2.672	12.2	20.8

426583 2013 SV_{27} 3 11.9 112.°67 2.°6/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.89	− 5 2.7	2.181	2.915	15.0	21.0
2 11	11 51.72	− 5 19.5	2.091	2.924	12.3	20.8
2 21	11 45.41	− 5 21.6	2.023	2.933	9.1	20.6
3 2	11 37.46	− 5 9.6	1.979	2.942	5.6	20.4
3 12	11 28.62	− 4 46.2	1.964	2.951	2.7	20.2
3 22	11 19.79	− 4 15.2	1.977	2.959	4.0	20.3
4 1	11 11.86	− 3 41.7	2.020	2.968	7.4	20.5
4 11	11 5.56	− 3 10.8	2.088	2.976	10.7	20.7

313001 1999 UH_{17} 3 11.9 145.°88 0.°9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.50	− 2 28.2	1.859	2.618	16.4	21.7
2 11	11 51.02	− 2 2.9	1.772	2.625	13.2	21.5
2 21	11 45.16	− 1 19.2	1.705	2.631	9.4	21.3
3 2	11 37.40	− 0 20.1	1.663	2.637	5.1	21.0
3 12	11 28.63	+ 0 48.7	1.649	2.642	0.9	20.7
3 22	11 19.86	+ 2 0.1	1.664	2.647	4.4	21.0
4 1	11 12.11	+ 3 6.4	1.707	2.652	8.7	21.3
4 11	11 6.23	+ 4 1.3	1.774	2.656	12.6	21.5

125411 2001 VK_{107} 3 11.9 5.°79 5.°0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.74	+12 14.8	1.342	2.159	18.6	19.7
2 11	11 54.61	+12 53.6	1.268	2.159	14.8	19.4
2 21	11 48.19	+13 41.1	1.214	2.159	10.4	19.2
3 2	11 39.12	+14 28.8	1.184	2.160	6.2	18.9
3 12	11 28.61	+15 6.7	1.178	2.160	5.4	18.9
3 22	11 18.18	+15 26.7	1.198	2.162	9.0	19.1
4 1	11 9.33	+15 24.0	1.242	2.163	13.5	19.3
4 11	11 3.14	+14 58.2	1.306	2.165	17.6	19.6

240071 2001 YD_{97} 3 11.9 183.°30 3.°0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.75	−10 36.5	3.023	3.715	12.0	21.1
2 11	11 47.13	−10 33.1	2.915	3.715	10.1	20.9
2 21	11 41.97	−10 15.1	2.829	3.715	7.7	20.8
3 2	11 35.64	− 9 42.8	2.768	3.715	5.3	20.6
3 12	11 28.65	− 8 58.4	2.737	3.714	3.3	20.5
3 22	11 21.62	− 8 5.1	2.735	3.712	3.5	20.5
4 1	11 15.15	− 7 7.2	2.764	3.710	5.7	20.6
4 11	11 9.78	− 6 9.5	2.820	3.708	8.2	20.8

360544 2003 SV_{233} 3 11.9 194.°38 1.°6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.97	+ 4 53.0	2.100	2.871	14.3	22.4
2 11	11 52.76	+ 5 30.5	2.004	2.869	11.4	22.2
2 21	11 46.26	+ 6 19.8	1.931	2.866	7.8	22.0
3 2	11 37.95	+ 7 16.7	1.884	2.862	3.9	21.7
3 12	11 28.63	+ 8 14.8	1.867	2.858	1.7	21.6
3 22	11 19.24	+ 9 7.8	1.879	2.853	5.2	21.8
4 1	11 10.75	+ 9 50.2	1.919	2.847	9.1	22.0
4 11	11 3.99	+10 18.0	1.985	2.840	12.6	22.2

207485 2006 HN_{46} 3 11.9 264.°55 5.°2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.20	+12 11.8	1.615	2.425	16.3	20.3
2 11	11 52.22	+13 18.6	1.526	2.413	13.0	20.1
2 21	11 46.40	+14 36.0	1.458	2.401	9.2	19.8
3 2	11 38.21	+15 55.8	1.416	2.389	5.9	19.6
3 12	11 28.63	+17 7.4	1.399	2.376	5.7	19.6
3 22	11 18.90	+18 1.6	1.410	2.363	9.1	19.7
4 1	11 10.34	+18 32.0	1.445	2.351	13.1	19.9
4 11	11 3.99	+18 36.5	1.501	2.338	16.9	20.1

190052 2004 RP_{181} 3 11.9 159.°18 2.°2/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.11	− 4 45.9	2.088	2.829	15.3	20.8
2 11	11 50.49	− 4 50.1	1.993	2.831	12.6	20.6
2 21	11 44.68	− 4 38.2	1.919	2.833	9.2	20.4
3 2	11 37.14	− 4 11.2	1.869	2.835	5.5	20.2
3 12	11 28.64	− 3 32.4	1.848	2.837	2.4	20.0
3 22	11 20.09	− 2 46.7	1.855	2.838	4.0	20.1
4 1	11 12.42	− 1 59.9	1.891	2.840	7.7	20.3
4 11	11 6.41	− 1 17.7	1.952	2.841	11.3	20.5

104604 2000 GU_{97} 3 11.9 273.°46 2.°9/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.37	+ 8 5.3	1.832	2.627	15.3	20.4
2 11	11 51.21	+ 8 46.9	1.732	2.610	12.1	20.1
2 21	11 45.51	+ 9 40.2	1.653	2.594	8.4	19.8
3 2	11 37.71	+10 39.6	1.599	2.577	4.5	19.6
3 12	11 28.64	+11 37.5	1.573	2.560	3.2	19.4
3 22	11 19.37	+12 26.5	1.575	2.543	6.7	19.6
4 1	11 11.05	+13 0.2	1.603	2.526	10.9	19.8
4 11	11 4.64	+13 15.1	1.655	2.509	14.8	20.0

190065 2004 RY_{320} 3 11.9 184.°28 2.°5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.75	− 6 10.9	2.209	2.940	14.9	21.0
2 11	11 50.11	− 6 13.4	2.109	2.941	12.3	20.8
2 21	11 44.37	− 5 59.4	2.031	2.940	9.1	20.6
3 2	11 36.98	− 5 29.8	1.978	2.940	5.6	20.4
3 12	11 28.65	− 4 47.6	1.952	2.939	2.7	20.2
3 22	11 20.25	− 3 57.4	1.956	2.938	4.0	20.3
4 1	11 12.66	− 3 5.0	1.988	2.937	7.4	20.5
4 11	11 6.64	− 2 16.1	2.046	2.935	10.8	20.7

502839 2015 DF_{154} 3 11.9 312.°60 4.°0/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.30	+11 23.6	2.097	2.898	13.3	20.6
2 11	11 47.52	+12 32.0	2.011	2.894	10.5	20.4
2 21	11 42.63	+13 48.7	1.948	2.890	7.3	20.2
3 2	11 36.10	+15 7.2	1.913	2.886	4.6	20.0
3 12	11 28.66	+16 19.7	1.905	2.882	4.4	20.0
3 22	11 21.19	+17 19.3	1.926	2.878	7.1	20.1
4 1	11 14.59	+18 0.8	1.973	2.875	10.4	20.3
4 11	11 9.57	+18 22.1	2.043	2.871	13.4	20.5

45261 Decoen 3 11.9 138.°79 3.°0/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.62	+ 8 15.6	2.041	2.826	14.2	19.2
2 11	11 51.61	+ 9 18.2	1.964	2.838	11.1	19.0
2 21	11 45.38	+10 30.7	1.910	2.849	7.6	18.8
3 2	11 37.45	+11 46.9	1.883	2.860	4.2	18.6
3 12	11 28.65	+12 59.1	1.885	2.870	3.3	18.6
3 22	11 19.93	+14 0.4	1.917	2.879	6.3	18.8
4 1	11 12.22	+14 45.6	1.976	2.888	9.8	19.0
4 11	11 6.26	+15 12.2	2.059	2.896	12.9	19.2

77342 2001 FH_{102} 3 11.9 29.°23 4.°2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.77	− 7 46.4	1.546	2.299	19.4	19.9
2 11	11 51.07	− 8 11.2	1.460	2.302	16.2	19.7
2 21	11 45.55	− 8 13.8	1.393	2.305	12.3	19.5
3 2	11 37.75	− 7 53.6	1.348	2.308	8.0	19.2
3 12	11 28.65	− 7 13.4	1.328	2.312	4.5	19.0
3 22	11 19.49	− 6 19.1	1.334	2.316	5.5	19.1
4 1	11 11.53	− 5 19.0	1.366	2.320	9.5	19.3
4 11	11 5.78	− 4 21.9	1.421	2.325	13.7	19.6

184944 2005 WR_{6} 3 11.9 166.°33 3.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.22	+12 24.9	2.376	3.160	12.5	21.2
2 11	11 51.80	+13 16.3	2.292	3.165	9.8	21.0
2 21	11 45.37	+14 13.2	2.233	3.169	6.9	20.9
3 2	11 37.42	+15 9.8	2.201	3.173	4.2	20.7
3 12	11 28.66	+16 0.0	2.199	3.176	3.9	20.7
3 22	11 19.95	+16 38.6	2.227	3.179	6.3	20.8
4 1	11 12.10	+17 1.9	2.282	3.181	9.3	21.0
4 11	11 5.80	+17 8.6	2.362	3.183	12.1	21.2

133872 2004 KZ_{5} 3 11.9 233.°23 2.°8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.58	− 8 5.5	2.190	2.915	15.2	21.1
2 11	11 49.33	− 7 56.0	2.079	2.905	12.6	20.9
2 21	11 43.95	− 7 27.5	1.989	2.894	9.5	20.6
3 2	11 36.83	− 6 40.4	1.923	2.882	6.0	20.4
3 12	11 28.68	− 5 37.8	1.885	2.870	3.1	20.2
3 22	11 20.35	− 4 24.9	1.876	2.858	4.1	20.2
4 1	11 12.78	− 3 8.8	1.895	2.845	7.7	20.4
4 11	11 6.75	− 1 56.6	1.941	2.832	11.2	20.6

274359 2008 RW_{66} 3 11.9 210.°63 1.°4/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.31	+ 4 59.0	2.425	3.196	12.7	21.8
2 11	11 49.56	+ 5 37.7	2.325	3.190	10.0	21.6
2 21	11 43.89	+ 6 26.7	2.248	3.184	6.9	21.4
3 2	11 36.71	+ 7 22.2	2.198	3.177	3.4	21.2
3 12	11 28.68	+ 8 19.0	2.178	3.170	1.6	21.0
3 22	11 20.58	+ 9 11.5	2.188	3.162	4.7	21.2
4 1	11 13.20	+ 9 54.8	2.227	3.154	8.1	21.4
4 11	11 7.24	+10 25.5	2.292	3.145	11.2	21.6

49713 1999 VB_{34} 3 11.9 345°.83 3°.0/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 50.31	− 5 12.1	1.201	1.993	21.8	19.2
2 11	11 49.15	− 5 19.3	1.119	1.988	18.0	18.9
2 21	11 44.72	− 4 59.5	1.053	1.983	13.3	18.6
3 2	11 37.52	− 4 13.0	1.008	1.980	8.0	18.3
3 12	11 28.67	− 3 5.2	0.986	1.977	3.2	18.0
3 22	11 19.66	− 1 45.5	0.988	1.974	5.8	18.1
4 1	11 12.06	− 0 26.0	1.014	1.973	11.3	18.4
4 11	11 7.13	+ 0 42.0	1.060	1.972	16.5	18.7

104142 2000 EN_{65} 3 11.9 184°.99 0°.9/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.77	+ 5 3.4	2.374	3.141	13.0	20.0
2 11	11 51.47	+ 5 12.5	2.279	3.141	10.3	19.8
2 21	11 45.17	+ 5 30.1	2.208	3.141	7.1	19.6
3 2	11 37.34	+ 5 53.1	2.163	3.141	3.6	19.4
3 12	11 28.68	+ 6 17.4	2.147	3.140	0.9	19.2
3 22	11 20.00	+ 6 38.9	2.162	3.139	4.3	19.4
4 1	11 12.13	+ 6 53.7	2.205	3.138	7.8	19.7
4 11	11 5.76	+ 6 59.2	2.274	3.137	11.0	19.9

108051 2001 FO_{157} 3 11.9 290°.64 4°.7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.68	+11 9.8	1.611	2.421	16.3	19.6
2 11	11 51.08	+12 8.8	1.516	2.404	13.0	19.4
2 21	11 45.66	+13 19.4	1.443	2.387	9.1	19.1
3 2	11 37.88	+14 33.9	1.394	2.369	5.6	18.8
3 12	11 28.67	+15 42.4	1.372	2.352	5.2	18.8
3 22	11 19.25	+16 35.6	1.376	2.335	8.7	18.9
4 1	11 10.92	+17 6.7	1.405	2.318	12.9	19.1
4 11	11 4.76	+17 12.8	1.455	2.302	16.9	19.3

252551 2001 VD_{83} 3 11.9 129°.90 1°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.29	− 4 14.0	2.043	2.788	15.5	21.0
2 11	11 50.63	− 4 5.0	1.954	2.796	12.6	20.8
2 21	11 44.75	− 3 39.1	1.887	2.805	9.2	20.6
3 2	11 37.17	− 2 58.1	1.844	2.813	5.3	20.4
3 12	11 28.68	− 2 6.2	1.830	2.821	1.9	20.2
3 22	11 20.20	− 1 9.1	1.844	2.828	4.0	20.4
4 1	11 12.65	− 0 13.1	1.887	2.835	7.8	20.6
4 11	11 6.81	+ 0 36.0	1.956	2.842	11.4	20.8

417639 2006 XA_{37} 3 11.9 150°.61 3°.9/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.78	+12 6.3	2.225	3.013	13.1	21.2
2 11	11 51.59	+13 10.3	2.147	3.022	10.3	21.0
2 21	11 45.29	+14 20.8	2.093	3.031	7.2	20.8
3 2	11 37.40	+15 31.3	2.067	3.039	4.5	20.7
3 12	11 28.69	+16 34.6	2.070	3.046	4.3	20.7
3 22	11 20.04	+17 24.7	2.103	3.053	6.8	20.8
4 1	11 12.33	+17 57.6	2.163	3.059	9.8	21.0
4 11	11 6.25	+18 11.9	2.246	3.065	12.7	21.2

234028 1998 SY_{55} 3 11.9 188°.20 0°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.04	− 2 9.8	1.928	2.683	16.0	21.3
2 11	11 52.27	− 1 32.7	1.831	2.683	12.9	21.1
2 21	11 46.07	− 0 36.8	1.755	2.682	9.2	20.9
3 2	11 37.93	+ 0 34.9	1.705	2.680	4.8	20.6
3 12	11 28.68	+ 1 56.4	1.683	2.677	0.5	20.3
3 22	11 19.34	+ 3 19.7	1.691	2.673	4.5	20.6
4 1	11 10.96	+ 4 36.9	1.727	2.669	8.9	20.8
4 11	11 4.42	+ 5 41.3	1.789	2.663	12.9	21.0

265764 2005 WR_{7} 3 11.9 135°.70 3°.5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.77	+10 48.4	2.160	2.949	13.4	21.3
2 11	11 50.83	+11 48.3	2.083	2.960	10.5	21.1
2 21	11 44.79	+12 55.4	2.030	2.969	7.2	20.9
3 2	11 37.15	+14 3.7	2.005	2.979	4.3	20.8
3 12	11 28.69	+15 6.0	2.008	2.987	3.9	20.7
3 22	11 20.31	+15 56.2	2.040	2.996	6.5	20.9
4 1	11 12.88	+16 30.1	2.100	3.004	9.7	21.1
4 11	11 7.10	+16 45.7	2.183	3.011	12.6	21.3

502407 2015 BR_{253} 3 11.9 0°.25 1°.2/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.10	+ 2 16.3	1.802	2.592	15.7	21.5
2 11	11 46.89	+ 3 7.5	1.716	2.591	12.4	21.3
2 21	11 42.38	+ 4 15.5	1.650	2.590	8.5	21.0
3 2	11 36.04	+ 5 35.2	1.610	2.590	4.2	20.8
3 12	11 28.70	+ 6 59.0	1.598	2.590	1.4	20.6
3 22	11 21.34	+ 8 18.5	1.613	2.591	5.4	20.8
4 1	11 14.93	+ 9 25.9	1.656	2.592	9.7	21.1
4 11	11 10.30	+10 15.9	1.721	2.593	13.4	21.3

216967 2000 EJ_{64} 3 11.9 332°.39 0°.1/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.34	− 0 15.1	1.471	2.266	18.3	20.4
2 11	11 47.76	+ 0 8.2	1.380	2.256	14.8	20.1
2 21	11 43.40	+ 0 52.3	1.308	2.246	10.4	19.8
3 2	11 36.73	+ 1 53.9	1.259	2.238	5.4	19.5
3 12	11 28.70	+ 3 6.1	1.236	2.229	0.1	19.0
3 22	11 20.51	+ 4 19.6	1.238	2.222	5.5	19.4
4 1	11 13.45	+ 5 24.9	1.266	2.215	10.7	19.7
4 11	11 8.56	+ 6 14.4	1.315	2.209	15.3	20.0

502637 2015 CF_{33} 3 11.9 199°.01 3°.0/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 57.50	− 5 27.9	2.164	2.892	15.2	21.0
2 11	11 53.16	− 5 56.7	2.063	2.891	12.6	20.8
2 21	11 46.56	− 6 11.4	1.982	2.889	9.4	20.6
3 2	11 38.15	− 6 11.8	1.927	2.887	6.0	20.4
3 12	11 28.69	− 5 59.8	1.900	2.885	3.2	20.2
3 22	11 19.12	− 5 38.5	1.902	2.882	4.3	20.3
4 1	11 10.40	− 5 12.7	1.933	2.880	7.7	20.5
4 11	11 3.36	− 4 47.5	1.989	2.877	11.2	20.7

83829 2001 UZ_{21} 3 11.9 38°.92 4°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.80	−11 6.7	2.217	2.929	15.4	19.1
2 11	11 47.80	−11 21.1	2.121	2.932	12.9	18.9
2 21	11 42.79	−11 17.0	2.046	2.936	10.1	18.7
3 2	11 36.19	−10 53.8	1.993	2.940	7.0	18.6
3 12	11 28.71	−10 13.6	1.968	2.943	4.5	18.4
3 22	11 21.19	− 9 20.5	1.971	2.947	4.7	18.4
4 1	11 14.47	− 8 20.4	2.001	2.951	7.3	18.6
4 11	11 9.26	− 7 20.0	2.058	2.955	10.4	18.8

471315 2011 JL_{9} 3 11.9 214°.98 2°.8/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 51.75	+ 8 43.8	2.342	3.129	12.6	21.9
2 11	11 48.41	+ 9 40.1	2.249	3.124	9.9	21.7
2 21	11 43.13	+10 45.3	2.180	3.120	6.8	21.5
3 2	11 36.34	+11 54.3	2.139	3.115	3.8	21.3
3 12	11 28.71	+13 0.6	2.126	3.110	3.1	21.2
3 22	11 21.04	+13 58.2	2.143	3.105	5.8	21.4
4 1	11 14.13	+14 42.3	2.188	3.099	9.0	21.6
4 11	11 8.66	+15 9.9	2.257	3.094	12.0	21.7

508595 2017 OQ_{61} 3 11.9 237°.62 2°.5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.75	+ 6 12.7	2.304	3.083	13.0	22.1
2 11	11 49.36	+ 7 23.5	2.196	3.067	10.3	21.9
2 21	11 43.92	+ 8 47.5	2.112	3.051	7.0	21.7
3 2	11 36.81	+10 19.1	2.056	3.034	3.7	21.4
3 12	11 28.71	+11 51.3	2.030	3.016	2.8	21.3
3 22	11 20.43	+13 16.4	2.033	2.997	5.9	21.5
4 1	11 12.85	+14 27.9	2.066	2.978	9.4	21.7
4 11	11 6.73	+15 21.5	2.123	2.959	12.7	21.8

361156 2006 JJ_{31} 3 11.9 270°.18 1°.1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.90	+ 2 4.7	1.776	2.556	16.2	22.0
2 11	11 51.07	+ 2 45.9	1.663	2.532	13.1	21.7
2 21	11 45.61	+ 3 45.6	1.570	2.507	9.1	21.4
3 2	11 37.88	+ 4 59.9	1.503	2.482	4.6	21.1
3 12	11 28.70	+ 6 21.7	1.463	2.456	1.2	20.8
3 22	11 19.14	+ 7 42.4	1.452	2.430	5.8	21.0
4 1	11 10.42	+ 8 53.0	1.467	2.403	10.7	21.2
4 11	11 3.63	+ 9 46.6	1.506	2.376	15.1	21.4

345658 2006 TZ_{77} 3 11.9 140°.67 2°.7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.67	− 9 53.4	3.077	3.773	11.8	22.8
2 11	11 46.98	− 9 43.2	2.980	3.784	9.8	22.7
2 21	11 41.82	− 9 18.7	2.905	3.795	7.4	22.5
3 2	11 35.56	− 8 40.8	2.856	3.806	4.9	22.4
3 12	11 28.73	− 7 51.9	2.836	3.816	2.9	22.3
3 22	11 21.91	− 6 55.5	2.847	3.825	3.3	22.3
4 1	11 15.68	− 5 56.1	2.888	3.835	5.5	22.5
4 11	11 10.54	− 4 58.1	2.957	3.843	7.9	22.6

474064 2016 JM_{7} 3 11.9 329°.53 6°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.87	−17 6.0	1.903	2.595	18.2	21.0
2 11	11 47.58	−17 22.5	1.804	2.593	15.8	20.8
2 21	11 42.93	−17 13.1	1.722	2.591	12.9	20.6
3 2	11 36.38	−16 35.7	1.662	2.588	9.7	20.4
3 12	11 28.72	−15 31.2	1.626	2.586	7.1	20.2
3 22	11 20.94	−14 4.6	1.617	2.585	6.6	20.2
4 1	11 14.08	−12 24.0	1.634	2.583	8.7	20.3
4 11	11 9.00	−10 39.7	1.677	2.581	11.9	20.5

326973 2004 LR_{7} 3 11.9 259°.87 7°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.15	+21 20.8	2.113	2.916	13.2	20.7
2 11	11 51.65	+22 56.8	2.020	2.895	10.8	20.5
2 21	11 45.74	+24 35.9	1.951	2.874	8.6	20.3
3 2	11 37.82	+26 8.9	1.909	2.852	7.4	20.2
3 12	11 28.71	+27 26.2	1.894	2.830	8.2	20.2
3 22	11 19.40	+28 20.4	1.906	2.808	10.5	20.3
4 1	11 10.98	+28 47.1	1.943	2.784	13.3	20.4
4 11	11 4.35	+28 46.3	2.000	2.761	16.0	20.6

159064 2004 TA_{171} 3 11.9 125°.93 4°.7/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.76	+14 17.0	2.049	2.848	13.7	20.2
2 11	11 51.01	+15 16.3	1.973	2.854	10.8	20.0
2 21	11 45.02	+16 20.5	1.921	2.859	7.7	19.8
3 2	11 37.31	+17 22.8	1.895	2.864	5.1	19.7
3 12	11 28.72	+18 15.6	1.897	2.869	5.1	19.7
3 22	11 20.20	+18 53.1	1.927	2.873	7.6	19.9
4 1	11 12.69	+19 11.5	1.983	2.878	10.7	20.1
4 11	11 6.93	+19 9.9	2.063	2.882	13.6	20.3

143753 2003 VN_8 3 11.9 338.°45 1.°8/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.58	− 3 29.6	1.208	2.004	21.5	19.0
2 11	11 50.15	− 3 22.1	1.126	1.999	17.6	18.7
2 21	11 45.42	− 2 48.0	1.061	1.996	12.8	18.4
3 2	11 37.90	− 1 49.1	1.017	1.992	7.2	18.1
3 12	11 28.73	− 0 32.1	0.997	1.989	1.9	17.7
3 22	11 19.41	+ 0 52.3	1.001	1.987	5.8	18.0
4 1	11 11.52	+ 2 11.9	1.029	1.985	11.6	18.3
4 11	11 6.31	+ 3 16.2	1.077	1.983	16.8	18.5

292404 2006 SW_{285} 3 11.9 110.°04 1.°3/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.49	− 4 28.3	2.481	3.222	13.2	20.9
2 11	11 46.45	− 4 0.0	2.388	3.229	10.7	20.7
2 21	11 41.67	− 3 16.3	2.317	3.235	7.7	20.5
3 2	11 35.57	− 2 19.5	2.272	3.242	4.4	20.3
3 12	11 28.76	− 1 13.8	2.257	3.248	1.4	20.1
3 22	11 21.95	− 0 4.5	2.270	3.254	3.3	20.3
4 1	11 15.85	+ 1 2.8	2.313	3.260	6.7	20.5
4 11	11 11.05	+ 2 2.8	2.383	3.266	9.7	20.7

431499 2007 TO_{112} 3 11.9 71.°32 0.°5/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.49	+ 2 40.2	2.154	2.926	14.0	21.8
2 11	11 49.07	+ 3 1.7	2.069	2.933	11.1	21.6
2 21	11 43.61	+ 3 35.0	2.005	2.940	7.7	21.4
3 2	11 36.59	+ 4 16.6	1.968	2.946	3.8	21.2
3 12	11 28.75	+ 5 1.5	1.960	2.953	0.6	20.9
3 22	11 20.94	+ 5 44.4	1.980	2.960	4.3	21.2
4 1	11 14.00	+ 6 20.2	2.028	2.966	8.0	21.5
4 11	11 8.63	+ 6 45.2	2.102	2.973	11.4	21.7

215574 2003 FF_{72} 3 11.9 313.°38 2.°9/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 47.10	+ 6 40.1	2.081	2.878	13.6	20.0
2 11	11 45.15	+ 7 54.0	1.975	2.857	10.7	19.7
2 21	11 41.15	+ 9 22.2	1.893	2.837	7.3	19.5
3 2	11 35.46	+10 58.9	1.838	2.816	4.0	19.2
3 12	11 28.76	+12 36.1	1.811	2.796	3.3	19.1
3 22	11 21.89	+14 5.3	1.812	2.776	6.5	19.3
4 1	11 15.74	+15 19.1	1.841	2.757	10.2	19.5
4 11	11 11.10	+16 12.9	1.893	2.738	13.6	19.7

338212 2002 SP_{35} 3 11.9 96.°40 2.°8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 59.62	+ 7 0.3	1.416	2.216	18.7	20.5
2 11	11 55.73	+ 7 37.5	1.349	2.230	14.7	20.3
2 21	11 48.74	+ 8 27.9	1.302	2.244	10.1	20.1
3 2	11 39.34	+ 9 24.6	1.279	2.258	5.2	19.8
3 12	11 28.74	+10 18.5	1.282	2.271	3.0	19.7
3 22	11 18.35	+11 1.1	1.312	2.285	7.1	20.0
4 1	11 9.53	+11 26.4	1.367	2.298	11.8	20.3
4 11	11 3.24	+11 31.9	1.444	2.310	15.9	20.6

112802 2002 PU_{168} 3 11.9 299.°09 0.°7/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.09	+ 2 30.8	1.541	2.335	17.7	20.5
2 11	11 50.78	+ 2 47.9	1.439	2.315	14.3	20.2
2 21	11 45.60	+ 3 22.1	1.357	2.296	10.0	19.9
3 2	11 37.95	+ 4 9.9	1.298	2.277	5.1	19.6
3 12	11 28.75	+ 5 4.9	1.264	2.258	0.8	19.2
3 22	11 19.23	+ 5 58.9	1.258	2.239	5.9	19.5
4 1	11 10.75	+ 6 43.6	1.276	2.220	11.1	19.8
4 11	11 4.47	+ 7 12.8	1.317	2.202	15.8	20.0

489488 2007 GE_{46} 3 11.9 253.°11 2.°3/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.71	+ 5 53.7	1.624	2.417	17.0	22.6
2 11	11 53.46	+ 6 30.5	1.526	2.403	13.6	22.3
2 21	11 47.34	+ 7 22.0	1.448	2.389	9.4	22.0
3 2	11 38.78	+ 8 23.0	1.395	2.374	4.8	21.7
3 12	11 28.74	+ 9 25.3	1.368	2.359	2.6	21.5
3 22	11 18.46	+10 20.4	1.370	2.343	6.8	21.7
4 1	11 9.27	+11 0.8	1.397	2.327	11.6	22.0
4 11	11 2.28	+11 21.8	1.446	2.311	15.9	22.2

81765 2000 JG_{63} 3 11.9 6.°58 2.°3/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.13	+ 6 51.4	1.446	2.254	18.0	18.9
2 11	11 51.48	+ 7 11.1	1.369	2.254	14.2	18.7
2 21	11 45.90	+ 7 43.2	1.311	2.255	9.8	18.4
3 2	11 37.96	+ 8 22.3	1.276	2.256	5.0	18.1
3 12	11 28.75	+ 9 0.7	1.268	2.259	2.5	18.0
3 22	11 19.57	+ 9 30.7	1.285	2.261	6.7	18.2
4 1	11 11.73	+ 9 46.5	1.327	2.265	11.4	18.5
4 11	11 6.22	+ 9 45.0	1.391	2.269	15.6	18.8

522167 2016 AC_{255} 3 11.9 64.°65 2.°4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.92	+ 5 4.5	1.492	2.294	17.8	22.1
2 11	11 51.14	+ 5 53.1	1.419	2.301	14.0	21.9
2 21	11 45.55	+ 6 57.5	1.366	2.309	9.6	21.6
3 2	11 37.73	+ 8 11.2	1.338	2.318	4.8	21.4
3 12	11 28.75	+ 9 24.9	1.335	2.326	2.6	21.2
3 22	11 19.86	+10 29.2	1.360	2.334	6.7	21.5
4 1	11 12.29	+11 16.7	1.410	2.343	11.3	21.8
4 11	11 6.96	+11 43.4	1.482	2.351	15.3	22.1

519590 2012 TE_{328} 3 11.9 26.°22 0.°9/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.45	− 0 2.2	2.149	2.907	14.5	21.5
2 11	11 50.68	− 0 9.1	2.056	2.909	11.6	21.3
2 21	11 44.79	− 0 4.0	1.984	2.910	8.3	21.1
3 2	11 37.23	+ 0 11.4	1.938	2.912	4.5	20.9
3 12	11 28.76	+ 0 33.4	1.921	2.914	0.9	20.6
3 22	11 20.27	+ 0 58.0	1.933	2.916	3.9	20.8
4 1	11 12.65	+ 1 20.6	1.972	2.918	7.7	21.1
4 11	11 6.63	+ 1 37.1	2.038	2.920	11.2	21.3

515010 2009 SK_2 3 11.9 276.°88 23.°6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	13 4.30	+55 16.1	1.451	2.121	23.7	22.5
2 11	12 54.89	+57 58.6	1.369	2.076	23.6	22.3
2 21	12 35.65	+60 24.7	1.303	2.029	23.8	22.1
3 2	12 5.82	+62 2.5	1.252	1.979	24.7	22.0
3 12	11 28.54	+62 17.4	1.217	1.927	26.2	21.9
3 22	10 51.06	+60 50.4	1.198	1.873	28.3	21.9
4 1	10 20.68	+57 47.9	1.194	1.816	30.8	21.9
4 11	10 0.45	+53 35.4	1.201	1.756	33.4	21.9

193859 2001 QZ_{128} 3 11.9 99.°38 2.°6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.88	− 6 39.0	1.565	2.318	19.2	20.5
2 11	11 52.52	− 6 23.5	1.490	2.335	15.7	20.3
2 21	11 46.40	− 5 44.1	1.434	2.352	11.5	20.0
3 2	11 38.14	− 4 42.6	1.402	2.369	6.8	19.8
3 12	11 28.77	− 3 24.9	1.395	2.385	2.8	19.6
3 22	11 19.53	− 1 59.8	1.416	2.401	4.8	19.8
4 1	11 11.61	− 0 36.9	1.464	2.416	9.3	20.1
4 11	11 5.89	+ 0 35.1	1.537	2.431	13.4	20.3

59711 1999 JC_{126} 3 11.9 349.°18 7.°3/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 48.96	−17 9.1	1.679	2.385	19.8	19.5
2 11	11 47.23	−17 39.9	1.584	2.381	17.2	19.3
2 21	11 42.92	−17 43.1	1.506	2.378	14.2	19.1
3 2	11 36.48	−17 15.5	1.448	2.375	10.9	18.9
3 12	11 28.79	−16 17.5	1.414	2.373	8.1	18.7
3 22	11 20.94	−14 53.9	1.404	2.371	7.5	18.7
4 1	11 14.12	−13 13.5	1.420	2.370	9.6	18.8
4 11	11 9.30	−11 27.8	1.460	2.370	13.0	19.0

456718 2007 RP_{298} 3 11.9 99.°39 2.°2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 59.57	+ 6 26.7	1.727	2.510	16.5	22.3
2 11	11 55.03	+ 7 1.5	1.660	2.532	12.9	22.1
2 21	11 47.88	+ 7 47.6	1.614	2.552	8.8	21.9
3 2	11 38.79	+ 8 39.0	1.594	2.573	4.5	21.7
3 12	11 28.78	+ 9 28.5	1.603	2.593	2.4	21.6
3 22	11 19.00	+10 9.4	1.639	2.612	6.0	21.8
4 1	11 10.54	+10 36.5	1.703	2.631	10.1	22.1
4 11	11 4.20	+10 47.5	1.791	2.649	13.6	22.4

196599 2003 QX_{66} 3 11.9 203.°30 1.°3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.59	+ 5 8.5	2.632	3.397	11.9	21.6
2 11	11 49.63	+ 5 45.3	2.530	3.392	9.4	21.4
2 21	11 43.87	+ 6 31.4	2.453	3.387	6.4	21.2
3 2	11 36.73	+ 7 23.3	2.403	3.381	3.2	21.0
3 12	11 28.80	+ 8 16.2	2.383	3.374	1.5	20.8
3 22	11 20.82	+ 9 5.1	2.394	3.367	4.3	21.0
4 1	11 13.50	+ 9 45.6	2.434	3.359	7.6	21.2
4 11	11 7.48	+10 14.7	2.500	3.351	10.5	21.4

152390 2005 UJ_{237} 3 11.9 244.°50 3.°2/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.50	+ 9 17.6	2.144	2.932	13.6	20.6
2 11	11 50.91	+10 10.2	2.042	2.917	10.7	20.4
2 21	11 45.10	+11 12.7	1.963	2.902	7.4	20.1
3 2	11 37.48	+12 19.4	1.911	2.887	4.2	19.9
3 12	11 28.80	+13 23.3	1.887	2.871	3.5	19.8
3 22	11 19.96	+14 17.7	1.893	2.854	6.4	20.0
4 1	11 11.93	+14 57.1	1.926	2.838	10.0	20.1
4 11	11 5.53	+15 18.4	1.983	2.820	13.4	20.3

245129 2004 RR_{68} 3 11.9 195.°69 0.°6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.66	+ 0 46.8	1.933	2.699	15.6	21.4
2 11	11 51.99	+ 1 30.1	1.837	2.697	12.5	21.2
2 21	11 45.91	+ 2 30.3	1.762	2.694	8.7	21.0
3 2	11 37.91	+ 3 43.3	1.713	2.690	4.4	20.7
3 12	11 28.80	+ 5 2.6	1.693	2.686	0.6	20.4
3 22	11 19.58	+ 6 20.3	1.701	2.681	5.0	20.7
4 1	11 11.32	+ 7 28.7	1.739	2.675	9.3	21.0
4 11	11 4.87	+ 8 22.3	1.800	2.668	13.1	21.2

253487 2003 SF_{86} 3 11.9 218.°56 3.°4/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.81	− 7 37.6	1.939	2.669	16.7	21.6
2 11	11 52.22	− 7 47.1	1.834	2.663	13.9	21.3
2 21	11 46.17	− 7 37.5	1.750	2.656	10.6	21.1
3 2	11 38.09	− 7 8.6	1.689	2.648	6.8	20.9
3 12	11 28.80	− 6 23.0	1.655	2.640	3.6	20.6
3 22	11 19.31	− 5 25.6	1.649	2.631	4.7	20.7
4 1	11 10.72	− 4 23.5	1.672	2.622	8.5	20.9
4 11	11 3.96	− 3 24.2	1.719	2.612	12.3	21.1

128852 2004 SF_{16} 3 11.9 149°.24 4°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 53.82	+11 44.7	2.002	2.800	14.0	20.3
2 11	11 50.37	+12 43.7	1.922	2.802	11.0	20.1
2 21	11 44.66	+13 50.2	1.864	2.805	7.7	19.9
3 2	11 37.20	+14 57.5	1.833	2.807	4.7	19.8
3 12	11 28.81	+15 58.0	1.830	2.808	4.4	19.7
3 22	11 20.44	+16 45.0	1.856	2.810	7.2	19.9
4 1	11 13.05	+17 14.0	1.907	2.812	10.5	20.1
4 11	11 7.42	+17 23.3	1.982	2.813	13.6	20.3

345649 2006 TD_{7} 3 11.9 242°.78 4°.3/17.2 17

2 1	11 51.00	−13 32.7	2.696	3.378	13.5	21.6
2 11	11 47.70	−13 42.1	2.578	3.366	11.6	21.4
2 21	11 42.63	−13 34.4	2.480	3.354	9.2	21.2
3 2	11 36.15	−13 8.9	2.407	3.341	6.7	21.0
3 12	11 28.82	−12 26.7	2.361	3.328	4.7	20.9
3 22	11 21.34	−11 31.1	2.344	3.315	4.6	20.9
4 1	11 14.45	−10 26.8	2.356	3.301	6.7	21.0
4 11	11 8.79	− 9 19.7	2.395	3.287	9.3	21.1

136510 2005 LH 3 11.9 195°.50 3°.8/ 6.9 17

2 1	11 51.16	+12 47.9	2.581	3.372	11.4	20.4
2 11	11 47.77	+13 55.7	2.494	3.371	8.9	20.2
2 21	11 42.61	+15 9.4	2.431	3.369	6.3	20.1
3 2	11 36.09	+16 23.2	2.397	3.366	4.1	19.9
3 12	11 28.83	+17 30.8	2.392	3.364	4.2	19.9
3 22	11 21.54	+18 26.8	2.416	3.361	6.4	20.0
4 1	11 14.95	+19 7.2	2.468	3.358	9.1	20.2
4 11	11 9.69	+19 30.1	2.544	3.355	11.6	20.4

218576 2005 JN_{58} 3 11.9 258°.15 0°.0/11.9 17

2 1	11 52.65	− 1 17.3	2.047	2.808	15.0	21.2
2 11	11 49.67	− 0 31.3	1.930	2.787	12.1	21.0
2 21	11 44.39	+ 0 33.9	1.835	2.764	8.6	20.7
3 2	11 37.21	+ 1 55.4	1.765	2.742	4.5	20.4
3 12	11 28.82	+ 3 27.2	1.725	2.718	0.1	20.0
3 22	11 20.14	+ 5 1.4	1.713	2.694	4.7	20.3
4 1	11 12.19	+ 6 29.5	1.730	2.670	9.1	20.5
4 11	11 5.88	+ 7 44.3	1.773	2.644	13.1	20.7

393327 2014 BD_{12} 3 11.9 95°.77 2°.6/ 8.6 17

2 1	11 50.26	+ 8 5.0	2.374	3.161	12.4	21.2
2 11	11 47.14	+ 9 6.8	2.294	3.170	9.7	21.0
2 21	11 42.19	+10 17.4	2.238	3.178	6.6	20.9
3 2	11 35.87	+11 31.5	2.210	3.187	3.6	20.7
3 12	11 28.83	+12 42.6	2.211	3.195	2.9	20.6
3 22	11 21.84	+13 44.8	2.241	3.204	5.5	20.8
4 1	11 15.62	+14 33.5	2.300	3.212	8.6	21.0
4 11	11 10.80	+15 5.9	2.382	3.220	11.4	21.2

168105 2006 EJ_{19} 3 11.9 241°.91 0°.1/11.8 17

2 1	11 54.80	+ 0 4.5	1.852	2.620	16.1	20.5
2 11	11 51.57	+ 0 36.4	1.746	2.606	13.0	20.3
2 21	11 45.81	+ 1 26.1	1.661	2.592	9.2	20.0
3 2	11 37.96	+ 2 30.5	1.601	2.577	4.7	19.7
3 12	11 28.82	+ 3 43.6	1.568	2.562	0.2	19.3
3 22	11 19.44	+ 4 57.6	1.565	2.546	5.0	19.6
4 1	11 10.97	+ 6 4.4	1.589	2.530	9.6	19.9
4 11	11 4.35	+ 6 57.7	1.637	2.512	13.8	20.1

111556 2001 YC_{155} 3 11.9 323°.16 4°.5/15.2 17

2 1	11 58.02	− 7 12.8	1.833	2.565	17.5	19.7
2 11	11 54.11	− 8 4.9	1.735	2.562	14.7	19.5
2 21	11 47.56	− 8 41.2	1.657	2.559	11.3	19.2
3 2	11 38.84	− 9 0.0	1.602	2.556	7.6	19.0
3 12	11 28.82	− 9 1.9	1.574	2.554	4.8	18.8
3 22	11 18.62	− 8 49.6	1.574	2.551	5.5	18.9
4 1	11 9.43	− 8 28.1	1.600	2.549	8.9	19.1
4 11	11 2.22	− 8 3.9	1.652	2.546	12.6	19.3

210130 2006 RP_{73} 3 11.9 82°.00 0°.9/13.1 18

2 1	11 49.50	− 3 38.1	2.376	3.124	13.5	20.5
2 11	11 46.52	− 3 3.4	2.290	3.135	10.9	20.4
2 21	11 41.76	− 2 13.2	2.225	3.147	7.8	20.2
3 2	11 35.65	− 1 10.1	2.187	3.159	4.3	20.0
3 12	11 28.84	+ 0 1.0	2.178	3.170	1.0	19.8
3 22	11 22.07	+ 1 14.4	2.198	3.182	3.4	20.0
4 1	11 16.06	+ 2 24.1	2.247	3.193	6.9	20.2
4 11	11 11.40	+ 3 24.9	2.323	3.205	10.0	20.4

182306 2001 OK_{25} 3 11.9 142°.87 1°.3/10.4 18

2 1	11 53.77	+ 2 55.2	2.225	2.993	13.7	21.1
2 11	11 50.01	+ 3 53.8	2.141	3.005	10.8	20.9
2 21	11 44.24	+ 5 5.6	2.081	3.015	7.4	20.7
3 2	11 36.94	+ 6 25.9	2.047	3.026	3.6	20.5
3 12	11 28.84	+ 7 47.9	2.044	3.035	1.5	20.4
3 22	11 20.77	+ 9 4.7	2.070	3.044	4.8	20.6
4 1	11 13.58	+10 10.3	2.125	3.052	8.4	20.8
4 11	11 7.93	+11 0.7	2.206	3.060	11.6	21.1

496131 2010 OF_{35} 3 11.9 96°.25 4°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 59.28	−11 50.5	2.064	2.760	16.8	22.0
2 11	11 54.44	−12 16.3	1.988	2.788	14.1	21.8
2 21	11 47.33	−12 22.2	1.933	2.815	11.0	21.7
3 2	11 38.50	−12 7.6	1.901	2.842	7.7	21.5
3 12	11 28.83	−11 34.5	1.896	2.868	5.1	21.4
3 22	11 19.30	−10 47.5	1.920	2.893	5.2	21.5
4 1	11 10.87	− 9 52.6	1.973	2.918	7.8	21.7
4 11	11 4.27	− 8 57.0	2.052	2.942	10.8	21.9

358075 2006 JR_{3} 3 11.9 4°.51 2°.9/ 9.9 18

2 1	11 50.22	+ 6 14.6	1.129	1.960	20.5	20.5
2 11	11 49.16	+ 6 48.3	1.060	1.959	16.2	20.3
2 21	11 44.73	+ 7 39.5	1.009	1.959	11.2	20.0
3 2	11 37.54	+ 8 40.9	0.979	1.961	5.7	19.7
3 12	11 28.83	+ 9 41.8	0.973	1.963	3.2	19.5
3 22	11 20.17	+10 31.2	0.990	1.967	8.0	19.8
4 1	11 13.10	+11 0.9	1.029	1.972	13.3	20.1
4 11	11 8.76	+11 6.8	1.088	1.979	18.0	20.4

87534 2000 QR_{203} 3 11.9 305°.20 1°.6/10.8 18

2 1	11 58.62	+ 7 17.0	1.723	2.511	16.3	19.1
2 11	11 54.76	+ 7 14.1	1.625	2.499	13.1	18.8
2 21	11 48.10	+ 7 19.8	1.548	2.487	9.1	18.5
3 2	11 39.15	+ 7 30.3	1.496	2.475	4.6	18.2
3 12	11 28.83	+ 7 40.3	1.472	2.464	1.7	18.0
3 22	11 18.36	+ 7 44.7	1.475	2.452	5.8	18.3
4 1	11 8.99	+ 7 39.1	1.505	2.441	10.4	18.5
4 11	11 1.75	+ 7 20.9	1.558	2.431	14.6	18.7

26044 1259 $T\text{-}_{2}$ 3 11.9 44°.76 0°.8/11.1 18

2 1	11 52.80	+ 3 29.2	2.007	2.786	14.7	18.0
2 11	11 49.54	+ 3 52.3	1.921	2.789	11.6	17.8
2 21	11 44.08	+ 4 27.6	1.856	2.793	8.0	17.5
3 2	11 36.92	+ 5 11.2	1.818	2.796	4.0	17.3
3 12	11 28.85	+ 5 57.6	1.807	2.800	0.9	17.1
3 22	11 20.80	+ 6 40.9	1.825	2.804	4.7	17.4
4 1	11 13.67	+ 7 15.8	1.870	2.808	8.7	17.6
4 11	11 8.22	+ 7 38.6	1.940	2.812	12.2	17.8

406388 2007 SW_{16} 3 11.9 272°.65 0°.4/11.5 18

2 1	11 51.42	− 0 46.1	1.550	2.336	18.0	21.0
2 11	11 49.22	+ 0 4.3	1.463	2.334	14.4	20.8
2 21	11 44.32	+ 1 17.2	1.395	2.332	10.1	20.5
3 2	11 37.21	+ 2 48.2	1.352	2.330	5.1	20.2
3 12	11 28.85	+ 4 28.6	1.335	2.328	0.5	19.9
3 22	11 20.41	+ 6 7.7	1.345	2.327	5.6	20.2
4 1	11 13.09	+ 7 35.3	1.382	2.325	10.6	20.5
4 11	11 7.90	+ 8 43.6	1.441	2.323	15.0	20.8

90532 2004 FC_{28} 3 11.9 258°.44 6°.1/ 4.7 18

2 1	12 0.29	+24 21.9	2.753	3.532	11.1	19.5
2 11	11 54.99	+25 5.3	2.654	3.512	9.1	19.4
2 21	11 47.64	+25 46.3	2.580	3.492	7.3	19.2
3 2	11 38.69	+26 18.5	2.533	3.472	6.2	19.1
3 12	11 28.86	+26 36.5	2.516	3.451	6.5	19.1
3 22	11 18.98	+26 36.3	2.527	3.430	8.2	19.2
4 1	11 9.89	+26 16.4	2.565	3.408	10.4	19.3
4 11	11 2.33	+25 37.4	2.627	3.387	12.6	19.4

272554 2005 UX_{441} 3 11.9 170°.64 3°.9/16.4 16

2 1	11 56.33	−11 27.1	2.622	3.307	13.8	22.4
2 11	11 51.83	−11 42.3	2.518	3.312	11.7	22.2
2 21	11 45.44	−11 41.3	2.436	3.316	9.1	22.0
3 2	11 37.57	−11 23.9	2.379	3.319	6.4	21.9
3 12	11 28.87	−10 51.5	2.350	3.322	4.2	21.7
3 22	11 20.11	−10 7.3	2.351	3.324	4.4	21.8
4 1	11 12.06	− 9 16.1	2.381	3.325	6.7	21.9
4 11	11 5.39	− 8 23.5	2.439	3.325	9.4	22.1

209429 2004 FL_{52} 3 11.9 290°.56 1°.4/10.4 17

2 1	11 50.91	+ 4 55.8	2.237	3.018	13.3	21.0
2 11	11 47.95	+ 5 29.4	2.134	3.004	10.5	20.8
2 21	11 42.98	+ 6 14.1	2.053	2.991	7.2	20.6
3 2	11 36.39	+ 7 6.2	1.998	2.977	3.6	20.3
3 12	11 28.87	+ 8 0.2	1.973	2.964	1.6	20.1
3 22	11 21.23	+ 8 50.2	1.976	2.951	4.9	20.3
4 1	11 14.33	+ 9 30.9	2.006	2.937	8.6	20.5
4 11	11 8.89	+ 9 58.6	2.062	2.924	11.9	20.7

185992 2001 OA_{32} 3 11.9 67°.76 8°.3/22.1 18

2 1	11 49.79	−24 34.8	1.846	2.492	20.0	19.8
2 11	11 47.64	−24 37.6	1.755	2.501	17.8	19.6
2 21	11 43.03	−24 7.7	1.679	2.509	15.1	19.5
3 2	11 36.48	−23 1.7	1.622	2.518	12.1	19.3
3 12	11 28.87	−21 20.4	1.589	2.526	9.4	19.1
3 22	11 21.26	−19 9.8	1.581	2.535	8.3	19.1
4 1	11 14.72	−16 40.3	1.601	2.544	9.4	19.2
4 11	11 10.10	−14 5.3	1.647	2.553	12.0	19.3

238508 2004 TO_{46} 3 11.9 266°.17 1°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 57.12	+ 4 25.6	1.665	2.450	16.9	21.3
2 11	11 53.84	+ 4 50.0	1.558	2.430	13.6	21.0
2 21	11 47.69	+ 5 29.3	1.471	2.409	9.5	20.7
3 2	11 39.06	+ 6 19.5	1.409	2.388	4.8	20.3
3 12	11 28.86	+ 7 13.7	1.374	2.366	1.6	20.1
3 22	11 18.30	+ 8 4.1	1.366	2.344	6.2	20.3
4 1	11 8.72	+ 8 43.1	1.385	2.321	11.2	20.5
4 11	11 1.28	+ 9 5.4	1.427	2.298	15.7	20.7

227633 2006 BY_{91} 3 11.9 345°.88 1°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.41	− 2 44.9	1.768	2.534	16.8	20.4
2 11	11 49.67	− 2 52.4	1.675	2.530	13.7	20.1
2 21	11 44.45	− 2 43.0	1.601	2.526	10.0	19.9
3 2	11 37.24	− 2 18.0	1.552	2.523	5.7	19.6
3 12	11 28.88	− 1 41.3	1.529	2.521	2.0	19.4
3 22	11 20.42	− 0 58.6	1.534	2.518	4.5	19.5
4 1	11 12.96	− 0 16.2	1.565	2.517	8.8	19.8
4 11	11 7.39	+ 0 19.4	1.620	2.515	12.8	20.0

285322 1999 CW_{134} 3 11.9 116°.46 0°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.24	+ 1 26.5	1.889	2.662	15.7	21.4
2 11	11 50.80	+ 1 54.9	1.805	2.669	12.5	21.2
2 21	11 45.03	+ 2 38.1	1.743	2.676	8.6	20.9
3 2	11 37.44	+ 3 32.2	1.706	2.684	4.4	20.7
3 12	11 28.88	+ 4 31.3	1.697	2.690	0.4	20.4
3 22	11 20.35	+ 5 28.5	1.716	2.697	4.7	20.7
4 1	11 12.85	+ 6 17.4	1.764	2.703	8.9	21.0
4 11	11 7.15	+ 6 53.4	1.835	2.710	12.6	21.2

328323 2008 JB_{15} 3 11.9 263°.42 0°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.30	+ 1 44.8	1.945	2.721	15.2	21.4
2 11	11 49.43	+ 2 23.4	1.841	2.707	12.1	21.1
2 21	11 44.24	+ 3 18.1	1.758	2.693	8.4	20.9
3 2	11 37.13	+ 4 25.2	1.700	2.678	4.2	20.6
3 12	11 28.88	+ 5 38.4	1.670	2.663	0.9	20.3
3 22	11 20.45	+ 6 50.2	1.669	2.648	5.0	20.6
4 1	11 12.84	+ 7 53.1	1.696	2.633	9.4	20.8
4 11	11 6.96	+ 8 41.6	1.747	2.618	13.3	21.0

518140 2016 ED_{224} 3 11.9 27°.87 0°.5/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.83	+ 0 5.5	1.691	2.468	17.0	21.7
2 11	11 50.83	+ 0 13.5	1.606	2.471	13.7	21.5
2 21	11 45.25	+ 0 37.8	1.541	2.473	9.7	21.2
3 2	11 37.63	+ 1 15.6	1.500	2.476	5.1	21.0
3 12	11 28.88	+ 2 1.3	1.486	2.479	0.5	20.6
3 22	11 20.12	+ 2 48.3	1.499	2.483	4.7	21.0
4 1	11 12.46	+ 3 30.0	1.539	2.486	9.3	21.2
4 11	11 6.81	+ 4 0.7	1.603	2.490	13.4	21.5

36385 2000 OT_{31} 3 11.9 203°.01 3°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.43	− 8 35.6	1.977	2.699	16.7	19.7
2 11	11 52.66	− 8 41.8	1.873	2.695	13.9	19.5
2 21	11 46.46	− 8 28.1	1.789	2.691	10.6	19.3
3 2	11 38.26	− 7 54.4	1.729	2.685	6.9	19.0
3 12	11 28.89	− 7 3.3	1.696	2.679	3.8	18.8
3 22	11 19.34	− 5 59.9	1.691	2.672	4.7	18.9
4 1	11 10.69	− 4 51.5	1.715	2.665	8.3	19.1
4 11	11 3.86	− 3 45.7	1.765	2.657	12.1	19.3

128704 2004 RA_{104} 3 11.9 187°.82 2°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.37	− 5 10.9	2.120	2.860	15.2	20.6
2 11	11 49.96	− 5 8.3	2.022	2.859	12.5	20.4
2 21	11 44.39	− 4 48.9	1.945	2.859	9.2	20.1
3 2	11 37.12	− 4 13.9	1.893	2.858	5.5	19.9
3 12	11 28.89	− 3 26.8	1.868	2.858	2.4	19.7
3 22	11 20.59	− 2 32.8	1.873	2.856	4.0	19.8
4 1	11 13.13	− 1 37.9	1.906	2.855	7.7	20.0
4 11	11 7.27	− 0 48.1	1.964	2.854	11.2	20.2

64852 2001 YH_{22} 3 11.9 163°.80 0°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.27	+ 1 46.4	2.037	2.806	14.8	20.7
2 11	11 50.69	+ 2 11.3	1.946	2.808	11.8	20.5
2 21	11 44.90	+ 2 49.7	1.878	2.810	8.2	20.3
3 2	11 37.37	+ 3 38.3	1.835	2.812	4.1	20.0
3 12	11 28.90	+ 4 31.4	1.821	2.814	0.4	19.7
3 22	11 20.39	+ 5 23.1	1.835	2.815	4.5	20.1
4 1	11 12.81	+ 6 7.6	1.878	2.817	8.5	20.3
4 11	11 6.92	+ 6 40.3	1.945	2.818	12.1	20.5

376740 1999 TY_{84} 3 11.9 181°.52 0°.4/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.55	− 0 46.4	2.664	3.407	12.3	22.3
2 11	11 49.56	− 0 23.2	2.563	3.408	9.9	22.1
2 21	11 43.82	+ 0 12.0	2.485	3.409	7.0	22.0
3 2	11 36.73	+ 0 56.8	2.435	3.409	3.7	21.7
3 12	11 28.90	+ 1 47.4	2.415	3.408	0.4	21.5
3 22	11 21.03	+ 2 39.2	2.425	3.407	3.4	21.7
4 1	11 13.83	+ 3 27.6	2.465	3.405	6.7	21.9
4 11	11 7.91	+ 4 8.4	2.532	3.402	9.7	22.1

171578 1999 VW_{21} 3 11.9 105°.34 0°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 57.42	+ 1 32.2	1.868	2.635	16.0	21.3
2 11	11 53.18	+ 2 3.1	1.795	2.656	12.7	21.1
2 21	11 46.57	+ 2 48.4	1.744	2.677	8.7	20.9
3 2	11 38.17	+ 3 44.0	1.719	2.697	4.4	20.7
3 12	11 28.89	+ 4 43.4	1.722	2.716	0.5	20.5
3 22	11 19.78	+ 5 39.8	1.755	2.735	4.7	20.8
4 1	11 11.82	+ 6 27.2	1.815	2.753	8.8	21.1
4 11	11 5.76	+ 7 1.3	1.900	2.770	12.4	21.3

262621 2006 WG_{2} 3 11.9 127°.49 1°.5/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.00	+ 3 58.4	2.010	2.785	14.8	21.3
2 11	11 51.20	+ 4 43.5	1.930	2.797	11.6	21.1
2 21	11 45.19	+ 5 41.4	1.872	2.809	7.9	20.9
3 2	11 37.48	+ 6 47.1	1.841	2.820	3.9	20.6
3 12	11 28.90	+ 7 54.0	1.839	2.831	1.6	20.5
3 22	11 20.39	+ 8 55.2	1.866	2.841	5.1	20.7
4 1	11 12.87	+ 9 44.9	1.921	2.851	9.0	21.0
4 11	11 7.09	+10 19.4	2.001	2.860	12.4	21.2

242992 2006 SK_{392} 3 11.9 149°.38 9°.0/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.77	+38 38.2	2.947	3.708	10.9	20.8
2 11	11 53.77	+40 2.1	2.903	3.716	9.8	20.7
2 21	11 46.72	+41 15.3	2.882	3.723	9.1	20.7
3 2	11 38.17	+42 11.0	2.886	3.731	9.1	20.7
3 12	11 28.90	+42 43.9	2.916	3.737	9.7	20.7
3 22	11 19.79	+42 51.7	2.969	3.744	10.8	20.8
4 1	11 11.68	+42 34.5	3.044	3.750	12.0	20.9
4 11	11 5.21	+41 54.8	3.137	3.755	13.2	21.0

74610 1999 RJ_{17} 3 11.9 223°.28 0°.7/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.00	− 3 6.8	2.116	2.864	15.0	21.0
2 11	11 50.57	− 2 28.4	2.007	2.854	12.2	20.8
2 21	11 44.92	− 1 31.4	1.919	2.842	8.7	20.6
3 2	11 37.46	− 0 18.1	1.857	2.830	4.7	20.3
3 12	11 28.92	+ 1 6.0	1.824	2.817	0.8	20.0
3 22	11 20.19	+ 2 33.9	1.820	2.803	4.2	20.2
4 1	11 12.24	+ 3 57.6	1.846	2.789	8.4	20.4
4 11	11 5.90	+ 5 10.4	1.898	2.773	12.2	20.6

134203 2005 EK_{86} 3 11.9 12°.72 1°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.13	+ 5 16.8	2.004	2.789	14.4	20.1
2 11	11 49.05	+ 5 49.8	1.917	2.790	11.4	19.8
2 21	11 43.78	+ 6 34.4	1.852	2.791	7.8	19.6
3 2	11 36.81	+ 7 25.8	1.813	2.792	3.9	19.4
3 12	11 28.92	+ 8 18.1	1.801	2.793	1.8	19.2
3 22	11 21.02	+ 9 5.0	1.819	2.794	5.2	19.5
4 1	11 14.03	+ 9 41.1	1.863	2.795	9.1	19.7
4 11	11 8.72	+10 3.0	1.932	2.797	12.5	19.9

238724 2005 GT_{79} 3 11.9 283°.31 5°.9/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.72	+17 2.4	2.166	2.974	12.8	20.5
2 11	11 47.94	+18 31.8	2.080	2.964	10.2	20.3
2 21	11 43.05	+20 6.2	2.019	2.953	7.6	20.1
3 2	11 36.46	+21 37.8	1.985	2.943	6.0	20.0
3 12	11 28.92	+22 57.8	1.978	2.933	6.5	20.0
3 22	11 21.31	+23 59.4	2.000	2.923	8.9	20.1
4 1	11 14.52	+24 38.1	2.046	2.913	11.7	20.3
4 11	11 9.32	+24 52.7	2.114	2.904	14.3	20.4

219618 2001 TY_{120} 3 11.9 200°.74 0°.5/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.51	+ 0 27.2	2.446	3.188	13.3	21.4
2 11	11 53.70	+ 0 28.6	2.339	3.184	10.7	21.2
2 21	11 46.83	+ 0 40.9	2.256	3.179	7.6	21.0
3 2	11 38.34	+ 1 2.2	2.200	3.173	4.1	20.8
3 12	11 28.92	+ 1 29.1	2.173	3.166	0.6	20.5
3 22	11 19.40	+ 1 57.7	2.177	3.159	3.7	20.7
4 1	11 10.63	+ 2 23.6	2.212	3.151	7.4	21.0
4 11	11 3.36	+ 2 43.2	2.273	3.143	10.7	21.1

243554 1981 EL_{30} 3 11.9 322°.06 4°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.40	− 9 4.5	2.142	2.864	15.5	20.0
2 11	11 49.32	− 9 40.0	2.034	2.853	13.1	19.8
2 21	11 44.07	− 9 59.4	1.946	2.842	10.2	19.6
3 2	11 37.03	−10 1.7	1.882	2.831	7.1	19.4
3 12	11 28.93	− 9 47.7	1.844	2.821	4.6	19.2
3 22	11 20.62	− 9 20.5	1.835	2.811	5.0	19.2
4 1	11 13.07	− 8 44.9	1.852	2.802	7.8	19.3
4 11	11 7.09	− 8 6.8	1.895	2.793	11.1	19.5

15988 Parini 3 11.9 268°.65 3°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.73	+ 7 30.9	1.601	2.402	16.8	17.8
2 11	11 52.03	+ 8 28.2	1.501	2.384	13.4	17.5
2 21	11 46.46	+ 9 41.3	1.423	2.366	9.3	17.3
3 2	11 38.45	+11 3.4	1.368	2.347	5.1	17.0
3 12	11 28.92	+12 25.0	1.341	2.327	3.9	16.8
3 22	11 19.09	+13 35.8	1.341	2.308	7.8	17.0
4 1	11 10.31	+14 27.6	1.365	2.288	12.5	17.2
4 11	11 3.70	+14 55.6	1.412	2.268	16.8	17.4

379274 2009 UN_{100} 3 11.9 222°.83 0°.7/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 54.04	− 2 1.7	2.539	3.279	12.9	22.9
2 11	11 50.17	− 1 34.2	2.424	3.267	10.5	22.7
2 21	11 44.40	− 0 52.6	2.332	3.253	7.5	22.4
3 2	11 37.12	+ 0 1.1	2.267	3.240	4.0	22.2
3 12	11 28.93	+ 1 2.8	2.232	3.225	0.7	21.9
3 22	11 20.59	+ 2 7.3	2.227	3.210	3.6	22.1
4 1	11 12.88	+ 3 9.0	2.252	3.193	7.2	22.3
4 11	11 6.51	+ 4 2.9	2.305	3.176	10.5	22.5

295674 2008 TS_{87} 3 11.9 218°.26 3°.9/ 8.6 17

2 1	12 0.41	+10 41.8	1.853	2.640	15.4	22.1
2 11	11 56.00	+11 29.6	1.757	2.631	12.2	21.9
2 21	11 48.89	+12 26.7	1.683	2.621	8.6	21.6
3 2	11 39.55	+13 26.7	1.636	2.611	5.0	21.4
3 12	11 28.92	+14 21.3	1.617	2.599	4.2	21.3
3 22	11 18.14	+15 3.0	1.626	2.586	7.4	21.5
4 1	11 8.43	+15 26.6	1.662	2.573	11.4	21.7
4 11	11 0.77	+15 29.8	1.722	2.559	15.1	21.9

496991 2002 RD_{253} 3 11.9 273°.68 1°.4/13.0 17

2 1	11 55.96	− 1 21.7	1.744	2.509	17.1	21.9
2 11	11 52.71	− 1 29.3	1.639	2.495	13.9	21.7
2 21	11 46.76	− 1 21.0	1.554	2.480	10.1	21.4
3 2	11 38.55	− 0 57.9	1.492	2.465	5.7	21.1
3 12	11 28.93	− 0 23.9	1.458	2.450	1.5	20.8
3 22	11 19.02	+ 0 15.5	1.451	2.435	4.8	20.9
4 1	11 10.08	+ 0 53.6	1.471	2.420	9.5	21.2
4 11	11 3.14	+ 1 24.0	1.515	2.405	13.9	21.4

420790 2013 GF_{104} 3 11.9 289°.07 0°.6/11.6 17

2 1	11 56.96	+ 3 19.0	1.571	2.358	17.7	21.3
2 11	11 54.00	+ 3 22.0	1.461	2.333	14.4	21.0
2 21	11 48.00	+ 3 39.5	1.370	2.307	10.2	20.7
3 2	11 39.35	+ 4 8.7	1.303	2.281	5.2	20.3
3 12	11 28.93	+ 4 43.9	1.262	2.255	0.6	19.9
3 22	11 18.03	+ 5 18.3	1.248	2.229	5.9	20.2
4 1	11 8.10	+ 5 44.7	1.259	2.203	11.3	20.4
4 11	11 0.43	+ 5 57.4	1.294	2.177	16.2	20.6

466409 2013 SE_{79} 3 11.9 243°.05 1°.1/10.9 17

2 1	11 54.86	+ 4 19.8	1.967	2.745	14.9	21.9
2 11	11 51.33	+ 4 41.3	1.872	2.740	11.9	21.7
2 21	11 45.46	+ 5 14.7	1.799	2.735	8.2	21.4
3 2	11 37.73	+ 5 56.1	1.752	2.730	4.1	21.2
3 12	11 28.94	+ 6 39.9	1.733	2.725	1.2	20.9
3 22	11 20.07	+ 7 20.2	1.742	2.720	5.0	21.2
4 1	11 12.13	+ 7 51.5	1.779	2.715	9.2	21.4
4 11	11 5.96	+ 8 9.9	1.840	2.709	12.8	21.6

184991 2006 LZ_{6} 3 11.9 201°.32 0°.8/12.7 17

2 1	11 55.69	− 1 44.2	2.143	2.892	14.8	21.3
2 11	11 51.80	− 1 24.0	2.041	2.888	11.9	21.1
2 21	11 45.71	− 0 48.3	1.960	2.884	8.5	20.8
3 2	11 37.84	+ 0 0.8	1.905	2.878	4.6	20.6
3 12	11 28.95	+ 0 58.4	1.879	2.873	0.8	20.3
3 22	11 19.95	+ 1 58.8	1.883	2.866	4.1	20.5
4 1	11 11.79	+ 2 55.7	1.916	2.859	8.1	20.8
4 11	11 5.25	+ 3 43.5	1.974	2.851	11.7	21.0

25605 2000 AP_{7} 3 11.9 245°.60 4°.1/ 8.8 18

2 1	11 58.62	+ 9 54.6	1.583	2.383	17.0	19.2
2 11	11 55.11	+10 42.2	1.490	2.371	13.6	18.9
2 21	11 48.58	+11 41.7	1.417	2.358	9.5	18.6
3 2	11 39.53	+12 45.9	1.369	2.345	5.4	18.4
3 12	11 28.95	+13 45.3	1.347	2.332	4.4	18.3
3 22	11 18.16	+14 31.2	1.353	2.317	8.1	18.4
4 1	11 8.56	+14 56.8	1.384	2.303	12.6	18.7
4 11	11 1.30	+14 59.4	1.437	2.288	16.8	18.9

277944 2006 QM_{1} 3 11.9 256°.54 4°.8/ 7.6 16

2 1	11 55.08	+11 42.6	1.714	2.518	15.7	20.7
2 11	11 51.98	+12 46.5	1.625	2.509	12.4	20.5
2 21	11 46.20	+14 0.4	1.558	2.500	8.8	20.2
3 2	11 38.21	+15 16.8	1.516	2.490	5.5	20.0
3 12	11 28.96	+16 25.9	1.502	2.480	5.2	20.0
3 22	11 19.59	+17 19.2	1.515	2.470	8.4	20.1
4 1	11 11.32	+17 50.9	1.553	2.460	12.3	20.3
4 11	11 5.11	+17 58.5	1.612	2.449	15.9	20.5

222767 2002 CB_{81} 3 11.9 49°.05 3°.1/14.3 18

2 1	11 58.12	− 4 6.8	1.826	2.572	17.1	20.0
2 11	11 54.05	− 4 44.4	1.738	2.578	14.0	19.8
2 21	11 47.43	− 5 7.0	1.669	2.583	10.4	19.5
3 2	11 38.76	− 5 14.5	1.625	2.589	6.4	19.3
3 12	11 28.96	− 5 8.9	1.608	2.595	3.2	19.1
3 22	11 19.13	− 4 53.8	1.619	2.602	4.7	19.2
4 1	11 10.37	− 4 34.4	1.658	2.608	8.6	19.5
4 11	11 3.61	− 4 16.2	1.721	2.614	12.3	19.7

345751 2007 EL_{39} 3 11.9 7°.16 2°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.41	+ 5 55.4	1.134	1.955	21.1	20.4
2 11	11 53.36	+ 6 5.5	1.062	1.955	16.8	20.1
2 21	11 47.74	+ 6 31.3	1.009	1.956	11.6	19.8
3 2	11 39.17	+ 7 7.0	0.976	1.957	5.9	19.5
3 12	11 28.96	+ 7 43.8	0.967	1.960	2.2	19.2
3 22	11 18.78	+ 8 12.6	0.982	1.963	7.4	19.6
4 1	11 10.30	+ 8 26.0	1.020	1.967	13.0	19.9
4 11	11 4.73	+ 8 20.3	1.078	1.971	17.9	20.2

346953 2010 AB_{100} 3 11.9 209°.95 5°.5/ 4.6 17

2 1	11 55.76	+21 50.5	2.799	3.587	10.7	21.4
2 11	11 51.31	+22 48.6	2.714	3.581	8.7	21.2
2 21	11 45.05	+23 46.0	2.654	3.574	6.7	21.1
3 2	11 37.38	+24 36.8	2.622	3.567	5.6	21.0
3 12	11 28.97	+25 15.4	2.619	3.560	6.0	21.0
3 22	11 20.56	+25 37.8	2.644	3.552	7.7	21.1
4 1	11 12.89	+25 41.8	2.696	3.544	9.8	21.2
4 11	11 6.60	+25 27.5	2.771	3.535	11.9	21.4

460053 2014 OH_{199} 3 11.9 230°.66 2°.8/ 9.3 18

2 1	11 55.87	+ 6 17.4	1.885	2.669	15.3	22.2
2 11	11 52.39	+ 7 19.1	1.783	2.657	12.1	21.9
2 21	11 46.39	+ 8 35.4	1.704	2.644	8.3	21.6
3 2	11 38.31	+10 0.5	1.652	2.630	4.4	21.4
3 12	11 28.97	+11 25.9	1.628	2.615	3.1	21.3
3 22	11 19.42	+12 42.9	1.632	2.599	6.7	21.4
4 1	11 10.79	+13 44.0	1.664	2.583	10.8	21.6
4 11	11 4.03	+14 24.6	1.719	2.566	14.7	21.8

385062 2012 UP_{56} 3 11.9 101°.89 1°.9/14.1 17

2 1	11 51.37	− 4 59.4	2.384	3.121	13.8	21.8
2 11	11 48.09	− 4 54.6	2.288	3.124	11.3	21.7
2 21	11 42.94	− 4 34.9	2.214	3.128	8.2	21.5
3 2	11 36.35	− 4 1.7	2.166	3.131	4.9	21.3
3 12	11 28.98	− 3 18.2	2.146	3.135	2.1	21.1
3 22	11 21.57	− 2 28.9	2.155	3.138	3.5	21.2
4 1	11 14.91	− 1 39.1	2.192	3.141	6.8	21.4
4 11	11 9.63	− 0 53.8	2.256	3.145	10.0	21.6

385892 2006 SC_{232} 3 11.9 190°.92 0°.2/12.1 17

2 1	11 54.07	+ 1 31.8	2.675	3.426	12.1	21.8
2 11	11 49.97	+ 1 38.5	2.575	3.425	9.7	21.7
2 21	11 44.12	+ 1 54.8	2.497	3.424	6.8	21.5
3 2	11 36.92	+ 2 18.6	2.447	3.422	3.5	21.3
3 12	11 28.98	+ 2 46.4	2.427	3.421	0.2	20.9
3 22	11 20.99	+ 3 14.5	2.437	3.419	3.4	21.2
4 1	11 13.68	+ 3 39.2	2.477	3.416	6.7	21.4
4 11	11 7.66	+ 3 57.3	2.543	3.414	9.7	21.6

306358 2011 SC_{204} 3 11.9 213°.49 0°.2/12.2 17

2 1	11 57.64	+ 0 0.6	1.867	2.629	16.2	22.6
2 11	11 53.77	+ 0 20.1	1.766	2.622	13.1	22.4
2 21	11 47.33	+ 0 55.8	1.685	2.614	9.3	22.1
3 2	11 38.78	+ 1 45.1	1.630	2.606	4.9	21.9
3 12	11 28.98	+ 2 42.5	1.603	2.597	0.2	21.5
3 22	11 19.00	+ 3 41.2	1.605	2.587	4.8	21.8
4 1	11 9.99	+ 4 34.1	1.635	2.576	9.3	22.0
4 11	11 2.90	+ 5 15.4	1.689	2.565	13.4	22.3

19960 1986 CN_{1} 3 11.9 330°.03 5°.9/15.1 18

2 1	11 55.28	− 6 3.0	1.326	2.097	21.2	17.3
2 11	11 53.17	− 7 21.0	1.229	2.081	17.9	17.0
2 21	11 47.74	− 8 22.8	1.149	2.064	14.0	16.7
3 2	11 39.34	− 9 4.8	1.090	2.049	9.6	16.4
3 12	11 28.98	− 9 25.7	1.054	2.035	6.2	16.1
3 22	11 18.13	− 9 27.0	1.042	2.022	7.2	16.1
4 1	11 8.46	− 9 14.3	1.054	2.010	11.5	16.3
4 11	11 1.41	− 8 55.9	1.087	1.999	16.3	16.6

293785 2007 RF_{130} 3 11.9 182°.58 0°.7/11.4 18

2 1	11 56.56	+ 2 23.7	1.780	2.556	16.4	21.8
2 11	11 52.92	+ 2 49.0	1.691	2.557	13.1	21.5
2 21	11 46.70	+ 3 29.1	1.622	2.557	9.1	21.3
3 2	11 38.42	+ 4 20.4	1.579	2.557	4.6	21.0
3 12	11 28.99	+ 5 16.3	1.563	2.556	0.8	20.7
3 22	11 19.50	+ 6 9.7	1.575	2.555	5.2	21.1
4 1	11 11.09	+ 6 54.0	1.615	2.554	9.7	21.3
4 11	11 4.67	+ 7 24.4	1.679	2.552	13.6	21.5

26025 4587 $P–L$ 3 11.9 226°.75 0°.5/12.5 17

2 1	11 54.67	− 1 14.0	2.047	2.804	15.1	19.5
2 11	11 51.18	− 0 49.9	1.942	2.794	12.2	19.3
2 21	11 45.40	− 0 9.3	1.858	2.784	8.7	19.1
3 2	11 37.75	+ 0 45.1	1.799	2.773	4.6	18.8
3 12	11 29.00	+ 1 48.4	1.769	2.762	0.5	18.5
3 22	11 20.07	+ 2 54.2	1.768	2.750	4.3	18.7
4 1	11 11.97	+ 3 55.5	1.795	2.738	8.6	18.9
4 11	11 5.56	+ 4 46.5	1.848	2.725	12.4	19.1

412778 2014 PB_6 3 11.9 190°.11 1°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 55.09	+ 2 31.8	1.851	2.627	15.8	21.7
2 11	11 51.67	+ 3 24.4	1.759	2.626	12.6	21.5
2 21	11 45.80	+ 4 33.6	1.689	2.625	8.7	21.2
3 2	11 37.96	+ 5 54.4	1.645	2.623	4.3	21.0
3 12	11 29.00	+ 7 19.2	1.629	2.621	1.5	20.8
3 22	11 19.96	+ 8 39.4	1.642	2.618	5.5	21.0
4 1	11 11.92	+ 9 47.3	1.682	2.614	9.9	21.3
4 11	11 5.76	+10 37.6	1.747	2.610	13.7	21.5

142691 2002 TT_{241} 3 11.9 58°.21 0°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.88	− 4 3.7	1.559	2.334	18.3	19.6
2 11	11 47.79	− 2 50.9	1.487	2.351	14.7	19.3
2 21	11 43.17	− 1 12.5	1.435	2.367	10.3	19.1
3 2	11 36.58	+ 0 45.9	1.408	2.384	5.3	18.9
3 12	11 29.00	+ 2 54.0	1.408	2.402	0.2	18.5
3 22	11 21.54	+ 5 0.0	1.436	2.419	5.1	18.9
4 1	11 15.27	+ 6 52.5	1.492	2.437	9.8	19.2
4 11	11 11.01	+ 8 23.7	1.571	2.454	13.9	19.5

455573 2004 RA_{62} 3 11.9 144°.39 0°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 58.69	− 0 4.5	1.975	2.730	15.7	22.9
2 11	11 54.20	+ 0 19.0	1.890	2.743	12.5	22.7
2 21	11 47.34	+ 0 57.7	1.827	2.754	8.8	22.5
3 2	11 38.65	+ 1 48.2	1.790	2.766	4.6	22.3
3 12	11 29.01	+ 2 44.9	1.782	2.776	0.2	21.9
3 22	11 19.41	+ 3 41.6	1.804	2.785	4.4	22.3
4 1	11 10.87	+ 4 31.8	1.854	2.794	8.5	22.6
4 11	11 4.18	+ 5 10.9	1.929	2.802	12.2	22.8

36696 2000 RX_{16} 3 11.9 132°.98 3°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 56.72	− 8 45.3	1.787	2.517	18.0	18.8
2 11	11 53.02	− 8 56.3	1.700	2.526	15.0	18.6
2 21	11 46.75	− 8 46.1	1.632	2.535	11.3	18.4
3 2	11 38.44	− 8 14.5	1.587	2.544	7.4	18.2
3 12	11 29.01	− 7 24.5	1.569	2.552	4.2	18.0
3 22	11 19.55	− 6 22.2	1.579	2.560	5.0	18.1
4 1	11 11.21	− 5 15.2	1.616	2.567	8.6	18.3
4 11	11 4.86	− 4 11.6	1.678	2.574	12.4	18.5

123077 2000 SF_{313} 3 11.9 169°.83 5°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.67	−17 38.6	2.393	3.053	15.6	20.6
2 11	11 50.06	−18 0.0	2.291	3.057	13.5	20.4
2 21	11 44.42	−18 0.7	2.208	3.059	11.1	20.2
3 2	11 37.18	−17 39.1	2.147	3.062	8.5	20.1
3 12	11 29.02	−16 55.7	2.112	3.064	6.4	19.9
3 22	11 20.77	−15 54.0	2.105	3.065	6.0	19.9
4 1	11 13.29	−14 39.5	2.126	3.066	7.6	20.0
4 11	11 7.31	−13 19.7	2.174	3.066	10.1	20.2

306260 2011 RB_4 3 11.9 223°.11 3°.3/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 57.64	+15 17.2	3.132	3.903	10.1	22.0
2 11	11 52.55	+15 45.2	3.028	3.892	8.0	21.8
2 21	11 45.79	+16 15.1	2.949	3.880	5.7	21.6
3 2	11 37.76	+16 42.9	2.900	3.867	3.7	21.5
3 12	11 29.02	+17 4.3	2.881	3.854	3.5	21.5
3 22	11 20.24	+17 16.2	2.893	3.840	5.4	21.6
4 1	11 12.08	+17 16.2	2.935	3.825	7.8	21.7
4 11	11 5.11	+17 3.5	3.003	3.811	10.1	21.8

117865 2081 P–L 3 11.9 201°.49 1°.4/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.04	− 3 55.6	2.470	3.202	13.5	21.4
2 11	11 50.99	− 3 41.9	2.362	3.197	11.0	21.2
2 21	11 44.99	− 3 13.7	2.277	3.191	8.0	21.0
3 2	11 37.45	− 2 32.5	2.217	3.185	4.6	20.7
3 12	11 29.03	− 1 41.7	2.187	3.178	1.6	20.5
3 22	11 20.49	− 0 46.1	2.188	3.171	3.5	20.6
4 1	11 12.65	+ 0 9.0	2.217	3.162	7.0	20.8
4 11	11 6.22	+ 0 58.4	2.274	3.153	10.3	21.0

23083 1999 XU_{110} 3 11.9 12°.88 4°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.20	− 9 23.0	1.576	2.321	19.4	18.2
2 11	11 50.69	− 9 47.8	1.488	2.322	16.3	18.0
2 21	11 45.41	− 9 49.4	1.417	2.323	12.6	17.7
3 2	11 37.87	− 9 26.6	1.368	2.324	8.5	17.5
3 12	11 29.02	− 8 41.8	1.344	2.325	5.1	17.3
3 22	11 20.06	− 7 40.9	1.346	2.327	5.7	17.3
4 1	11 12.24	− 6 32.3	1.374	2.329	9.4	17.5
4 11	11 6.58	− 5 25.6	1.425	2.331	13.5	17.8

498262 2007 US_{126} 3 11.9 90°.69 3°.0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.43	− 9 14.9	2.494	3.204	13.9	22.2
2 11	11 48.73	− 9 12.9	2.411	3.225	11.5	22.1
2 21	11 43.27	− 8 54.4	2.349	3.245	8.7	21.9
3 2	11 36.48	− 8 20.4	2.312	3.265	5.7	21.7
3 12	11 29.03	− 7 33.6	2.303	3.284	3.3	21.6
3 22	11 21.64	− 6 38.6	2.324	3.304	3.8	21.7
4 1	11 15.04	− 5 40.4	2.374	3.323	6.4	21.9
4 11	11 9.80	− 4 44.6	2.451	3.342	9.2	22.1

76782 2000 KP_{67} 3 11.9 311°.59 4°.6/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 48.53	+11 5.2	1.981	2.789	13.8	19.4
2 11	11 46.43	+12 34.0	1.889	2.776	10.8	19.2
2 21	11 42.15	+14 14.0	1.820	2.763	7.6	19.0
3 2	11 36.10	+15 57.6	1.778	2.751	5.0	18.8
3 12	11 29.03	+17 35.5	1.765	2.739	5.1	18.7
3 22	11 21.83	+18 58.8	1.779	2.727	8.0	18.9
4 1	11 15.47	+20 1.2	1.819	2.715	11.4	19.1
4 11	11 10.75	+20 39.3	1.881	2.704	14.6	19.3

296152 2009 BW_{109} 3 11.9 264°.79 0°.6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 49.14	+ 0 51.3	2.499	3.262	12.5	20.9
2 11	11 46.37	+ 1 42.8	2.388	3.248	10.0	20.7
2 21	11 41.81	+ 2 48.6	2.301	3.233	6.9	20.5
3 2	11 35.84	+ 4 5.3	2.241	3.219	3.5	20.2
3 12	11 29.03	+ 5 27.3	2.210	3.204	0.7	20.0
3 22	11 22.10	+ 6 48.5	2.210	3.188	4.1	20.2
4 1	11 15.77	+ 8 2.8	2.239	3.173	7.6	20.4
4 11	11 10.72	+ 9 5.1	2.294	3.157	10.8	20.6

249767 2000 VK_9 3 11.9 208°.59 3°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 50.13	−13 52.5	3.207	3.877	11.8	21.7
2 11	11 46.69	−13 46.1	3.090	3.871	10.0	21.5
2 21	11 41.78	−13 24.3	2.994	3.864	7.9	21.4
3 2	11 35.73	−12 46.8	2.923	3.856	5.7	21.2
3 12	11 29.04	−11 55.4	2.881	3.849	3.9	21.1
3 22	11 22.26	−10 53.2	2.869	3.840	3.8	21.1
4 1	11 15.99	− 9 44.4	2.887	3.831	5.6	21.2
4 11	11 10.74	− 8 34.2	2.933	3.822	7.9	21.3

371694 2007 DM_{85} 3 11.9 346°.48 0°.8/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 59.46	+ 5 55.8	1.631	2.417	17.2	20.1
2 11	11 55.51	+ 5 38.6	1.541	2.413	13.8	19.8
2 21	11 48.68	+ 5 30.5	1.472	2.410	9.6	19.6
3 2	11 39.52	+ 5 28.3	1.428	2.407	4.9	19.3
3 12	11 29.03	+ 5 27.5	1.411	2.404	0.9	19.0
3 22	11 18.49	+ 5 23.6	1.421	2.402	5.4	19.3
4 1	11 9.18	+ 5 12.6	1.458	2.400	10.2	19.6
4 11	11 2.12	+ 4 51.7	1.518	2.399	14.4	19.8

411235 2010 PX_{73} 3 11.9 200°.09 0°.0/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 55.65	+ 0 9.5	2.154	2.910	14.5	22.4
2 11	11 51.77	+ 0 40.6	2.053	2.906	11.6	22.2
2 21	11 45.70	+ 1 26.7	1.973	2.902	8.2	22.0
3 2	11 37.87	+ 2 24.6	1.921	2.897	4.2	21.7
3 12	11 29.04	+ 3 29.0	1.897	2.891	0.1	21.3
3 22	11 20.10	+ 4 33.5	1.903	2.884	4.3	21.7
4 1	11 11.99	+ 5 31.9	1.938	2.877	8.3	21.9
4 11	11 5.50	+ 6 18.9	1.999	2.868	11.9	22.1

358067 2006 HO_{81} 3 11.9 192°.80 4°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	12 0.00	+13 9.4	1.876	2.668	15.1	20.9
2 11	11 55.54	+13 55.6	1.791	2.667	11.9	20.7
2 21	11 48.46	+14 48.1	1.728	2.665	8.4	20.5
3 2	11 39.31	+15 39.9	1.691	2.663	5.3	20.3
3 12	11 29.04	+16 23.1	1.682	2.660	4.8	20.3
3 22	11 18.75	+16 51.4	1.702	2.656	7.7	20.4
4 1	11 9.61	+17 0.6	1.748	2.653	11.3	20.6
4 11	11 2.50	+16 49.8	1.817	2.648	14.7	20.8

140320 2001 SX_{327} 3 11.9 175°.69 3°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 53.35	+12 32.7	2.411	3.200	12.2	20.2
2 11	11 49.64	+13 18.8	2.325	3.201	9.6	20.0
2 21	11 44.01	+14 10.0	2.264	3.202	6.7	19.8
3 2	11 36.91	+15 1.1	2.230	3.202	4.1	19.6
3 12	11 29.04	+15 46.2	2.225	3.202	3.8	19.6
3 22	11 21.19	+16 20.4	2.249	3.202	6.2	19.8
4 1	11 14.13	+16 40.1	2.300	3.202	9.1	19.9
4 11	11 8.52	+16 43.9	2.376	3.202	11.8	20.1

315491 2008 AL 3 11.9 300°.43 5°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 54.29	+12 19.0	1.565	2.378	16.6	20.7
2 11	11 51.59	+13 25.6	1.483	2.372	13.1	20.5
2 21	11 46.04	+14 42.2	1.423	2.366	9.3	20.3
3 2	11 38.19	+16 0.3	1.388	2.361	6.0	20.0
3 12	11 29.04	+17 9.3	1.378	2.355	5.8	20.0
3 22	11 19.83	+18 0.2	1.395	2.350	9.0	20.2
4 1	11 11.85	+18 27.0	1.436	2.344	13.0	20.4
4 11	11 6.08	+18 28.1	1.498	2.339	16.7	20.6

211975 2005 AO_{23} 3 11.9 34°.79 4°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 52.79	+ 8 41.9	1.444	2.259	17.7	19.9
2 11	11 50.48	+ 9 51.7	1.372	2.263	13.9	19.7
2 21	11 45.27	+11 15.5	1.321	2.267	9.5	19.4
3 2	11 37.77	+12 44.6	1.294	2.271	5.4	19.2
3 12	11 29.04	+14 7.9	1.292	2.276	4.7	19.1
3 22	11 20.37	+15 15.3	1.317	2.281	8.4	19.4
4 1	11 13.02	+15 59.6	1.366	2.286	12.7	19.6
4 11	11 7.96	+16 18.0	1.436	2.292	16.5	19.9

95055 2002 AL_{50} 3 11.9 157°.79 0°.6/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 57.98	− 1 25.3	2.099	2.846	15.1	21.2
2 11	11 53.54	− 1 0.4	2.009	2.855	12.1	21.0
2 21	11 46.85	− 0 20.0	1.940	2.864	8.6	20.8
3 2	11 38.42	+ 0 33.0	1.898	2.871	4.6	20.6
3 12	11 29.05	+ 1 33.7	1.885	2.878	0.6	20.3
3 22	11 19.68	+ 2 35.6	1.902	2.884	4.1	20.6
4 1	11 11.26	+ 3 32.6	1.948	2.889	8.1	20.8
4 11	11 4.58	+ 4 19.5	2.020	2.893	11.7	21.0

89830 2002 CE 3 11.9 57°.05 25°.1/24.9 18

2 1	14 27.44	+65 4.4	1.236	1.810	31.1	18.0
2 11	13 56.06	+67 23.9	1.261	1.876	29.0	18.0
2 21	13 10.07	+68 42.8	1.296	1.941	27.3	18.1
3 2	12 16.74	+68 22.3	1.347	2.005	26.1	18.2
3 12	11 28.99	+66 14.6	1.415	2.066	25.3	18.4
3 22	10 54.56	+62 47.3	1.501	2.126	25.1	18.6
4 1	10 33.39	+58 36.7	1.606	2.184	25.1	18.8
4 11	10 22.26	+54 11.4	1.727	2.241	25.3	19.0

254899 2005 SF_{80} 3 11.9 262°.14 0°.3/12.4 17

2 1	11 49.67	− 1 18.7	2.661	3.411	12.2	21.2
2 11	11 46.68	− 0 43.8	2.545	3.394	9.8	21.0
2 21	11 41.98	+ 0 4.8	2.451	3.377	6.9	20.8
3 2	11 35.92	+ 1 4.8	2.385	3.359	3.7	20.6
3 12	11 29.06	+ 2 11.8	2.348	3.341	0.3	20.3
3 22	11 22.05	+ 3 20.8	2.341	3.323	3.5	20.5
4 1	11 15.61	+ 4 26.4	2.364	3.305	6.9	20.7
4 11	11 10.35	+ 5 23.6	2.413	3.286	10.0	20.8

204528 2005 EP_{87} 3 11.9 195°.29 0°.2/11.7 17

2 1	11 52.87	+ 1 45.2	2.474	3.234	12.7	21.4
2 11	11 49.22	+ 2 7.1	2.376	3.232	10.2	21.2
2 21	11 43.72	+ 2 40.2	2.300	3.230	7.1	21.0
3 2	11 36.78	+ 3 21.6	2.252	3.228	3.6	20.7
3 12	11 29.06	+ 4 7.1	2.233	3.226	0.2	20.5
3 22	11 21.28	+ 4 51.8	2.243	3.223	3.8	20.8
4 1	11 14.22	+ 5 31.3	2.283	3.221	7.3	21.0
4 11	11 8.52	+ 6 1.6	2.348	3.217	10.4	21.2

104980 2000 JP_{71} 3 11.9 259°.45 2°.6/ 9.4 17

2 1	11 55.60	+ 7 50.0	2.075	2.858	14.1	20.9
2 11	11 52.00	+ 8 32.0	1.965	2.837	11.2	20.6
2 21	11 46.05	+ 9 25.0	1.878	2.817	7.8	20.4
3 2	11 38.16	+10 23.9	1.818	2.795	4.2	20.1
3 12	11 29.07	+11 22.1	1.786	2.773	2.9	20.0
3 22	11 19.73	+12 12.7	1.783	2.751	6.1	20.1
4 1	11 11.19	+12 49.8	1.807	2.728	10.1	20.3
4 11	11 4.34	+13 10.0	1.856	2.704	13.7	20.5

459362 2012 JD_{12} 3 11.9 295°.04 7°.2/ 5.3 16

2 1	11 55.46	+18 43.5	1.716	2.529	15.3	20.9
2 11	11 52.42	+19 56.1	1.630	2.515	12.4	20.7
2 21	11 46.59	+21 12.8	1.566	2.500	9.4	20.5
3 2	11 38.49	+22 23.9	1.527	2.486	7.4	20.3
3 12	11 29.07	+23 19.4	1.514	2.471	7.9	20.3
3 22	11 19.54	+23 51.3	1.527	2.457	10.6	20.4
4 1	11 11.15	+23 55.5	1.564	2.443	13.9	20.6
4 11	11 4.91	+23 32.1	1.621	2.429	17.1	20.8

33305 1998 KQ_{50} 3 11.9 125°.55 0°.7/12.9 18 R

2 1	11 48.73	− 3 22.5	2.539	3.284	12.8	19.0
2 11	11 45.90	− 2 38.0	2.442	3.288	10.3	18.8
2 21	11 41.39	− 1 38.1	2.369	3.291	7.3	18.6
3 2	11 35.58	− 0 25.6	2.322	3.295	4.0	18.4
3 12	11 29.08	+ 0 54.7	2.305	3.298	0.7	18.1
3 22	11 22.56	+ 2 16.9	2.318	3.301	3.4	18.3
4 1	11 16.70	+ 3 35.0	2.361	3.305	6.7	18.6
4 11	11 12.09	+ 4 43.7	2.430	3.308	9.8	18.8

3370 Kohsai 3 11.9 69°.61 2°.6/ 9.8 18 R

2 1	11 53.64	+ 3 32.0	1.311	2.118	19.5	16.7
2 11	11 51.32	+ 4 40.5	1.244	2.130	15.4	16.5
2 21	11 45.94	+ 6 9.6	1.198	2.143	10.5	16.2
3 2	11 38.13	+ 7 51.0	1.175	2.155	5.2	15.9
3 12	11 29.08	+ 9 32.8	1.177	2.168	2.8	15.8
3 22	11 20.18	+11 2.8	1.206	2.181	7.3	16.1
4 1	11 12.76	+12 11.6	1.259	2.193	12.3	16.4
4 11	11 7.81	+12 54.5	1.334	2.206	16.5	16.7

118200 1995 CA_{8} 3 11.9 55°.01 10°.3/16.2 18

2 1	12 10.28	− 9 33.4	1.028	1.784	27.0	18.9
2 11	12 5.77	−12 2.6	0.967	1.800	23.1	18.7
2 21	11 56.79	−14 10.7	0.920	1.817	18.5	18.5
3 2	11 44.01	−15 48.3	0.892	1.834	13.9	18.3
3 12	11 29.08	−16 48.6	0.887	1.852	10.6	18.1
3 22	11 14.23	−17 11.1	0.904	1.869	10.9	18.2
4 1	11 1.69	−17 3.2	0.944	1.888	14.2	18.5
4 11	10 52.99	−16 37.9	1.005	1.906	18.2	18.8

176513 2001 YN_{63} 3 11.9 65°.70 2°.9/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 52.19	+ 9 35.3	2.245	3.035	13.0	20.6
2 11	11 48.76	+10 22.3	2.173	3.049	10.1	20.5
2 21	11 43.40	+11 16.5	2.124	3.064	6.9	20.3
3 2	11 36.60	+12 12.4	2.103	3.079	3.9	20.1
3 12	11 29.09	+13 4.0	2.110	3.094	3.1	20.1
3 22	11 21.69	+13 46.0	2.146	3.109	5.7	20.3
4 1	11 15.17	+14 14.5	2.209	3.123	8.8	20.5
4 11	11 10.15	+14 27.6	2.297	3.138	11.6	20.7

259239 2003 BT_{57} 3 11.9 109°.55 3°.9/ 7.8 18

2 1	11 55.34	+10 18.4	2.019	2.810	14.2	20.3
2 11	11 51.46	+11 35.1	1.952	2.829	11.0	20.1
2 21	11 45.37	+13 0.1	1.909	2.848	7.6	19.9
3 2	11 37.64	+14 26.2	1.893	2.866	4.6	19.8
3 12	11 29.10	+15 45.0	1.906	2.884	4.2	19.8
3 22	11 20.70	+16 49.6	1.948	2.902	7.0	20.0
4 1	11 13.34	+17 35.2	2.017	2.918	10.2	20.2
4 11	11 7.74	+18 0.1	2.109	2.935	13.1	20.4

121527 1999 UV_{30} 3 11.9 162°.31 2°.2/ 9.7 18

2 1	11 54.90	+ 7 36.3	2.193	2.974	13.5	20.5
2 11	11 51.05	+ 8 11.2	2.106	2.977	10.6	20.3
2 21	11 45.10	+ 8 54.9	2.041	2.979	7.3	20.1
3 2	11 37.54	+ 9 42.8	2.004	2.981	3.8	19.8
3 12	11 29.11	+10 29.0	1.995	2.983	2.4	19.7
3 22	11 20.68	+11 8.0	2.015	2.985	5.4	19.9
4 1	11 13.13	+11 35.4	2.064	2.987	8.9	20.1
4 11	11 7.19	+11 48.7	2.137	2.988	12.0	20.4

208251 2000 VQ_{3} 3 11.9 79°.01 3°.8/ 9.2 18

2 1	11 58.72	+10 11.6	1.516	2.319	17.5	20.1
2 11	11 54.99	+10 48.0	1.444	2.326	13.8	19.9
2 21	11 48.31	+11 33.8	1.392	2.334	9.6	19.7
3 2	11 39.30	+12 21.9	1.365	2.341	5.3	19.5
3 12	11 29.10	+13 3.6	1.364	2.349	4.1	19.4
3 22	11 19.03	+13 31.6	1.390	2.357	7.6	19.6
4 1	11 10.38	+13 41.2	1.441	2.364	11.9	19.9
4 11	11 4.10	+13 30.9	1.514	2.372	15.7	20.1

172429 2003 QN_{1} 3 11.9 223°.65 0°.6/12.6 17

2 1	11 55.89	− 1 38.6	2.094	2.845	15.0	21.6
2 11	11 52.15	− 1 12.9	1.985	2.834	12.2	21.4
2 21	11 46.11	− 0 30.5	1.897	2.822	8.7	21.1
3 2	11 38.18	+ 0 26.0	1.835	2.809	4.7	20.9
3 12	11 29.12	+ 1 31.9	1.802	2.796	0.6	20.5
3 22	11 19.86	+ 2 40.8	1.799	2.781	4.2	20.8
4 1	11 11.39	+ 3 45.6	1.824	2.766	8.5	21.0
4 11	11 4.59	+ 4 40.3	1.875	2.750	12.3	21.2

425436 2010 DY_{57} 3 12.0 147°.09 3°.0/ 8.6 18

2 11	11 51.04	+10 55.4	2.240	3.113	10.0	21.6
2 21	11 45.00	+11 54.6	2.184	3.121	6.9	21.4
3 2	11 37.46	+12 55.5	2.155	3.130	3.9	21.2
3 12	11 29.14	+13 51.9	2.155	3.137	3.3	21.2
3 22	11 20.87	+14 38.1	2.185	3.145	5.9	21.4
4 1	11 13.46	+15 10.2	2.243	3.151	9.0	21.6
4 11	11 7.59	+15 26.2	2.325	3.158	11.8	21.7
4 21	11 3.64	+15 26.0	2.428	3.163	14.2	21.9

161788 2006 UR_{208} 3 12.0 131°.67 5°.8/19.9 18

2 11	11 46.36	−19 56.7	2.440	3.195	13.1	20.1
2 21	11 41.82	−19 38.2	2.354	3.196	10.8	20.0
3 2	11 35.87	−18 56.5	2.290	3.197	8.4	19.8
3 12	11 29.14	−17 52.8	2.252	3.198	6.5	19.7
3 22	11 22.35	−16 30.7	2.241	3.199	5.9	19.6
4 1	11 16.25	−14 56.2	2.259	3.200	7.2	19.7
4 11	11 11.48	−13 17.0	2.304	3.201	9.4	19.9
4 21	11 8.45	−11 40.2	2.374	3.202	11.9	20.0

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2 11	11 52.45	+15 49.3	1.775	2.657	11.7	19.9
2 21	11 46.53	+17 29.5	1.706	2.643	8.5	19.7
3 2	11 38.48	+19 10.1	1.664	2.629	6.1	19.5
3 12	11 29.15	+20 40.8	1.649	2.614	6.5	19.5
3 22	11 19.64	+21 52.2	1.662	2.599	9.4	19.6
4 1	11 11.11	+22 38.4	1.701	2.583	12.9	19.8
4 11	11 4.52	+22 57.4	1.761	2.566	16.1	19.9
4 21	11 0.45	+22 50.9	1.838	2.549	18.9	20.1

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2 11	11 53.91	− 3 17.6	1.776	2.620	13.6	20.0
2 21	11 47.48	− 3 11.5	1.694	2.613	9.9	19.8
3 2	11 38.95	− 2 50.2	1.637	2.606	5.8	19.5
3 12	11 29.16	− 2 17.0	1.607	2.598	2.1	19.3
3 22	11 19.18	− 1 37.0	1.606	2.590	4.5	19.4
4 1	11 10.15	− 0 56.3	1.633	2.581	8.8	19.6
4 11	11 3.02	− 0 21.2	1.684	2.572	12.8	19.8
4 21	10 58.39	+ 0 3.9	1.757	2.562	16.3	20.0