210769 2000 YC_{43} 2 22.9 25°.76 0°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.10	+ 8 21.2	1.305	2.167	16.2	19.6
2 1	10 38.86	+ 9 21.1	1.246	2.172	11.7	19.4
2 11	10 32.05	+10 37.7	1.208	2.178	6.4	19.1
2 21	10 23.60	+12 2.3	1.196	2.184	1.2	18.8
3 2	10 14.86	+13 24.4	1.210	2.191	5.0	19.0
3 12	10 7.24	+14 34.1	1.249	2.198	10.2	19.3
3 22	10 1.85	+15 25.0	1.311	2.206	14.8	19.6
4 1	9 59.37	+15 54.6	1.393	2.214	18.7	19.9

83436 2001 SY_{54} 2 22.9 170°.42 1°.8/25.0 18

1 22	10 40.87	+ 1 16.1	2.494	3.304	11.2	19.4
2 1	10 36.27	+ 1 50.7	2.411	3.305	8.4	19.2
2 11	10 30.23	+ 2 38.9	2.354	3.306	5.3	19.0
2 21	10 23.28	+ 3 37.7	2.325	3.308	2.3	18.8
3 2	10 16.12	+ 4 42.6	2.326	3.308	2.8	18.8
3 12	10 9.48	+ 5 48.2	2.358	3.309	5.9	19.0
3 22	10 4.01	+ 6 49.5	2.417	3.310	9.0	19.2
4 1	10 0.18	+ 7 42.7	2.501	3.310	11.7	19.4

64916 2001 YQ_{97} 2 22.9 341°.85 1°.2/23.9 18

1 22	10 42.41	+ 4 47.8	1.552	2.396	15.1	19.6
2 1	10 38.15	+ 5 13.4	1.475	2.390	11.2	19.3
2 11	10 31.60	+ 5 56.1	1.421	2.385	6.6	19.1
2 21	10 23.54	+ 6 51.3	1.393	2.380	1.9	18.7
3 2	10 15.07	+ 7 52.1	1.392	2.375	3.8	18.9
3 12	10 7.46	+ 8 50.6	1.417	2.372	8.6	19.1
3 22	10 1.71	+ 9 40.1	1.467	2.368	13.1	19.4
4 1	9 58.54	+10 16.1	1.537	2.366	16.8	19.6

382278 2012 TL_{221} 2 22.9 27°.72 4°.2/19.3 18

1 22	10 46.46	+21 57.1	2.112	2.967	11.2	20.5
2 1	10 40.51	+22 35.2	2.048	2.969	8.1	20.3
2 11	10 32.67	+23 11.4	2.010	2.971	5.3	20.1
2 21	10 23.69	+23 39.7	2.001	2.973	4.3	20.1
3 2	10 14.56	+23 55.0	2.020	2.975	6.2	20.2
3 12	10 6.28	+23 54.4	2.067	2.977	9.2	20.4
3 22	9 59.66	+23 37.6	2.138	2.979	12.2	20.6
4 1	9 55.24	+23 5.7	2.231	2.982	14.7	20.7

382999 2005 JS_{80} 2 22.9 302°.47 4°.7/18.1 18

1 22	10 43.30	+21 40.4	2.071	2.932	11.1	20.1
2 1	10 38.39	+22 53.3	2.003	2.926	8.1	19.9
2 11	10 31.57	+24 6.5	1.961	2.921	5.5	19.7
2 21	10 23.52	+25 12.2	1.947	2.915	4.9	19.7
3 2	10 15.19	+26 3.8	1.962	2.910	6.9	19.8
3 12	10 7.60	+26 36.5	2.004	2.905	10.0	20.0
3 22	10 1.58	+26 48.9	2.069	2.900	12.9	20.1
4 1	9 57.73	+26 41.7	2.155	2.895	15.5	20.3

229098 2004 QO_{18} 2 22.9 175°.37 5°.2/16.9 18

1 22	10 47.22	+26 39.4	2.589	3.435	9.7	21.8
2 1	10 40.86	+27 50.6	2.529	3.438	7.3	21.6
2 11	10 32.81	+28 57.5	2.496	3.441	5.6	21.5
2 21	10 23.72	+29 53.6	2.493	3.443	5.4	21.5
3 2	10 14.44	+30 33.7	2.520	3.444	7.0	21.6
3 12	10 5.86	+30 55.0	2.574	3.444	9.2	21.8
3 22	9 58.72	+30 57.3	2.654	3.444	11.5	21.9
4 1	9 53.53	+30 42.2	2.753	3.443	13.5	22.1

167079 2003 RN_{21} 2 22.9 79°.59 0°.8/23.5 18

1 22	10 49.49	+ 7 27.6	1.511	2.353	15.5	19.7
2 1	10 43.13	+ 7 28.6	1.449	2.363	11.3	19.5
2 11	10 34.30	+ 7 41.9	1.409	2.374	6.6	19.2
2 21	10 23.98	+ 8 3.2	1.396	2.384	1.6	18.9
3 2	10 13.45	+ 8 26.9	1.411	2.394	4.0	19.1
3 12	10 4.08	+ 8 47.5	1.453	2.404	8.8	19.4
3 22	9 56.88	+ 9 0.6	1.520	2.415	13.2	19.7
4 1	9 52.50	+ 9 3.7	1.608	2.425	16.8	19.9

236227 2005 XP_{61} 2 22.9 299°.52 0°.1/22.9 18

1 22	10 46.00	+ 8 4.1	1.345	2.201	16.3	20.9
2 1	10 41.14	+ 8 32.2	1.267	2.190	11.9	20.6
2 11	10 33.47	+ 9 16.0	1.211	2.179	6.8	20.3
2 21	10 23.88	+10 9.8	1.180	2.168	1.1	19.9
3 2	10 13.71	+11 5.3	1.176	2.158	4.7	20.1
3 12	10 4.51	+11 53.7	1.197	2.148	10.3	20.4
3 22	9 57.57	+12 28.7	1.240	2.138	15.3	20.7
4 1	9 53.73	+12 46.8	1.303	2.129	19.5	20.9

401370 2013 BM_{66} 2 22.9 226°.42 2°.9/20.4 18

1 22	10 46.98	+13 38.9	1.749	2.602	13.2	21.4
2 1	10 41.40	+15 1.8	1.668	2.591	9.5	21.1
2 11	10 33.44	+16 34.9	1.612	2.580	5.4	20.8
2 21	10 23.87	+18 9.7	1.585	2.568	2.9	20.6
3 2	10 13.78	+19 36.4	1.587	2.555	5.9	20.8
3 12	10 4.45	+20 46.7	1.616	2.542	10.2	21.0
3 22	9 56.96	+21 36.1	1.671	2.528	14.2	21.2
4 1	9 52.06	+22 3.3	1.745	2.513	17.6	21.4

61413 2000 QG_{12} 2 22.9 187°.06 0°.4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 47.16	+ 8 28.6	1.857	2.695	13.2	20.4
2 1	10 41.25	+ 9 13.9	1.780	2.695	9.6	20.1
2 11	10 33.22	+10 11.2	1.729	2.695	5.4	19.9
2 21	10 23.82	+11 14.6	1.705	2.693	0.9	19.6
3 2	10 14.08	+12 17.3	1.711	2.691	3.9	19.8
3 12	10 5.14	+13 12.4	1.746	2.689	8.3	20.0
3 22	9 57.93	+13 55.4	1.806	2.685	12.2	20.3
4 1	9 53.10	+14 23.5	1.889	2.681	15.5	20.5

378976 2008 UH_{244} 2 22.9 165°.60 6°.1/15.7 18

1 22	10 46.36	+29 13.8	2.458	3.306	10.0	20.9
2 1	10 40.35	+30 33.3	2.404	3.311	7.9	20.8
2 11	10 32.56	+31 46.3	2.378	3.314	6.3	20.7
2 21	10 23.69	+32 46.1	2.380	3.318	6.4	20.7
3 2	10 14.63	+33 27.0	2.411	3.321	8.0	20.8
3 12	10 6.33	+33 46.6	2.468	3.323	10.1	20.9
3 22	9 59.55	+33 44.9	2.549	3.325	12.3	21.1
4 1	9 54.83	+33 24.3	2.649	3.327	14.2	21.2

11778 Kingsford Smith 2 22.9 39°.08 3°.8/20.6 18

1 22	10 47.85	+15 12.0	1.173	2.047	16.8	17.8
2 1	10 42.58	+16 13.5	1.118	2.051	12.0	17.5
2 11	10 34.26	+17 23.2	1.085	2.056	6.9	17.3
2 21	10 24.00	+18 30.4	1.077	2.060	3.8	17.1
3 2	10 13.44	+19 23.8	1.093	2.066	7.3	17.3
3 12	10 4.30	+19 55.8	1.134	2.071	12.4	17.6
3 22	9 57.85	+20 3.9	1.196	2.077	17.0	17.9
4 1	9 54.80	+19 49.0	1.275	2.083	20.8	18.1

359074 2008 YZ_{136} 2 22.9 269°.49 1°.2/23.8 18

1 22	10 47.75	+ 6 5.9	1.540	2.380	15.4	21.2
2 1	10 42.14	+ 6 11.9	1.456	2.369	11.4	20.9
2 11	10 33.94	+ 6 32.5	1.395	2.358	6.8	20.6
2 21	10 23.97	+ 7 3.7	1.360	2.347	1.9	20.3
3 2	10 13.45	+ 7 40.0	1.353	2.336	4.1	20.4
3 12	10 3.80	+ 8 14.5	1.373	2.325	9.1	20.6
3 22	9 56.19	+ 8 41.8	1.417	2.314	13.8	20.9
4 1	9 51.41	+ 8 58.0	1.481	2.302	17.8	21.1

206162 2002 TV_{214} 2 22.9 109°.96 4°.8/17.7 18

1 22	10 45.93	+24 53.2	2.452	3.303	10.0	20.7
2 1	10 39.88	+25 56.9	2.405	3.320	7.4	20.5
2 11	10 32.21	+26 56.5	2.386	3.337	5.3	20.4
2 21	10 23.62	+27 46.0	2.396	3.354	4.9	20.4
3 2	10 14.97	+28 20.4	2.435	3.371	6.6	20.6
3 12	10 7.12	+28 37.3	2.502	3.387	8.9	20.7
3 22	10 0.74	+28 36.5	2.594	3.402	11.3	20.9
4 1	9 56.31	+28 19.6	2.707	3.418	13.3	21.1

417740 2007 CS_{75} 2 23.0 71°.10 0°.5/22.6 18

1 22	10 44.17	+ 8 28.8	1.722	2.568	13.7	21.4
2 1	10 39.12	+ 9 14.6	1.657	2.576	9.8	21.2
2 11	10 32.01	+10 12.5	1.617	2.584	5.5	21.0
2 21	10 23.61	+11 16.4	1.604	2.593	0.9	20.6
3 2	10 15.00	+12 18.9	1.620	2.601	4.0	20.9
3 12	10 7.29	+13 13.2	1.664	2.609	8.4	21.2
3 22	10 1.35	+13 54.6	1.732	2.618	12.3	21.4
4 1	9 57.80	+14 20.6	1.822	2.626	15.6	21.7

412196 2013 GP_{101} 2 23.0 293°.72 4°.0/19.8 18

1 22	10 45.21	+16 16.8	1.499	2.366	14.2	20.8
2 1	10 40.36	+17 32.8	1.429	2.358	10.2	20.5
2 11	10 32.93	+18 56.4	1.383	2.351	6.1	20.2
2 21	10 23.80	+20 17.6	1.363	2.344	4.1	20.1
3 2	10 14.22	+21 26.4	1.370	2.336	7.1	20.2
3 12	10 5.60	+22 14.9	1.403	2.329	11.4	20.5
3 22	9 59.10	+22 39.9	1.459	2.322	15.5	20.7
4 1	9 55.46	+22 41.3	1.533	2.315	19.0	20.9

128093 2003 PE_{7} 2 23.0 145°.15 0°.9/23.9 18

1 22	10 43.48	+ 4 40.6	2.221	3.045	11.9	20.4
2 1	10 38.27	+ 5 13.2	2.147	3.052	8.7	20.2
2 11	10 31.41	+ 5 58.0	2.097	3.058	5.2	20.0
2 21	10 23.52	+ 6 51.1	2.077	3.063	1.5	19.7
3 2	10 15.42	+ 7 47.6	2.086	3.069	2.9	19.8
3 12	10 7.98	+ 8 41.8	2.125	3.074	6.6	20.1
3 22	10 1.92	+ 9 29.2	2.190	3.078	10.0	20.3
4 1	9 57.76	+10 6.5	2.280	3.083	12.9	20.5

378318 2007 GC_{4} 2 23.0 275°.45 6°.2/16.9 17

1 22	10 47.52	+25 56.6	2.000	2.857	11.6	20.6
2 1	10 41.71	+27 9.2	1.918	2.834	8.9	20.4
2 11	10 33.60	+28 19.1	1.862	2.812	6.7	20.2
2 21	10 23.92	+29 17.7	1.833	2.789	6.5	20.1
3 2	10 13.75	+29 57.5	1.833	2.766	8.5	20.2
3 12	10 4.31	+30 13.9	1.858	2.742	11.6	20.3
3 22	9 56.64	+30 6.2	1.907	2.718	14.6	20.5
4 1	9 51.48	+29 36.4	1.975	2.694	17.3	20.6

32215 2000 OG_{16} 2 23.0 181°.84 0°.7/22.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 42.20	+10 56.2	2.922	3.756	9.0	19.9
2 1	10 37.06	+11 34.5	2.843	3.757	6.4	19.7
2 11	10 30.63	+12 18.6	2.791	3.757	3.5	19.5
2 21	10 23.40	+13 4.7	2.769	3.757	0.8	19.3
3 2	10 15.98	+13 48.9	2.779	3.756	2.9	19.5
3 12	10 9.05	+14 27.5	2.818	3.755	5.9	19.7
3 22	10 3.16	+14 57.8	2.886	3.753	8.6	19.9
4 1	9 58.75	+15 18.2	2.978	3.751	10.9	20.0

119508 2001 UD_{132} 2 23.0 221°.13 5°.1/28.1 18

1 22	10 43.92	− 7 49.8	2.271	3.036	13.5	20.6
2 1	10 38.72	− 7 48.9	2.174	3.027	11.0	20.4
2 11	10 31.75	− 7 27.8	2.099	3.018	8.2	20.2
2 21	10 23.61	− 6 46.9	2.052	3.008	5.8	20.0
3 2	10 15.09	− 5 49.1	2.032	2.998	5.2	20.0
3 12	10 7.09	− 4 39.8	2.042	2.987	7.2	20.1
3 22	10 0.40	− 3 25.3	2.079	2.975	10.1	20.2
4 1	9 55.63	− 2 12.2	2.141	2.963	12.9	20.4

201659 2003 TO_{28} 2 23.0 163°.31 0°.4/23.4 17

1 22	10 43.78	+ 6 47.2	2.234	3.064	11.6	21.3
2 1	10 38.50	+ 7 14.8	2.157	3.067	8.4	21.1
2 11	10 31.55	+ 7 52.6	2.106	3.069	4.9	20.9
2 21	10 23.56	+ 8 37.0	2.083	3.071	1.1	20.6
3 2	10 15.35	+ 9 23.1	2.091	3.073	3.0	20.7
3 12	10 7.78	+10 5.8	2.127	3.074	6.7	21.0
3 22	10 1.59	+10 41.2	2.191	3.076	10.1	21.2
4 1	9 57.31	+11 6.6	2.278	3.077	13.0	21.4

2554 Skiff 2 23.0 259°.67 2°.2/24.5 18 R

1 22	10 47.98	+ 3 36.2	1.579	2.410	15.5	16.5
2 1	10 42.32	+ 3 38.4	1.489	2.396	11.7	16.2
2 11	10 34.09	+ 3 57.3	1.423	2.381	7.3	15.9
2 21	10 24.04	+ 4 30.1	1.382	2.366	2.9	15.6
3 2	10 13.37	+ 5 11.6	1.368	2.351	4.1	15.6
3 12	10 3.47	+ 5 54.8	1.382	2.335	9.0	15.8
3 22	9 55.54	+ 6 33.5	1.421	2.320	13.6	16.1
4 1	9 50.41	+ 7 2.5	1.481	2.304	17.7	16.3

501449 2014 AA_{35} 2 23.0 82°.08 4°.6/27.5 17

1 22	10 43.29	− 5 26.6	2.187	2.968	13.5	21.1
2 1	10 38.16	− 5 37.1	2.112	2.978	10.7	21.0
2 11	10 31.36	− 5 29.4	2.061	2.988	7.8	20.8
2 21	10 23.54	− 5 4.5	2.036	2.998	5.3	20.7
3 2	10 15.50	− 4 25.4	2.039	3.008	4.8	20.6
3 12	10 8.13	− 3 37.0	2.071	3.018	6.9	20.8
3 22	10 2.15	− 2 45.1	2.129	3.027	9.7	21.0
4 1	9 58.09	− 1 54.9	2.211	3.037	12.5	21.2

243493 2009 UY_{39} 2 23.0 126°.10 0°.3/23.3 18

1 22	10 45.31	+ 6 57.5	2.315	3.141	11.4	22.4
2 1	10 39.46	+ 7 29.3	2.249	3.157	8.2	22.2
2 11	10 32.03	+ 8 10.7	2.210	3.172	4.7	22.0
2 21	10 23.65	+ 8 57.5	2.199	3.187	0.9	21.8
3 2	10 15.15	+ 9 45.1	2.219	3.201	2.9	22.0
3 12	10 7.36	+10 28.5	2.270	3.215	6.5	22.2
3 22	10 0.96	+11 4.3	2.347	3.228	9.7	22.4
4 1	9 56.44	+11 30.0	2.448	3.240	12.4	22.6

59678 1999 JM_{101} 2 23.0 121°.18 2°.1/25.3 18

1 22	10 40.72	+ 0 24.0	2.301	3.112	12.0	19.0
2 1	10 36.29	+ 0 59.6	2.220	3.113	9.1	18.8
2 11	10 30.32	+ 1 50.6	2.163	3.115	5.8	18.6
2 21	10 23.38	+ 2 53.9	2.135	3.117	2.6	18.4
3 2	10 16.20	+ 4 4.4	2.136	3.118	3.0	18.4
3 12	10 9.59	+ 5 16.2	2.167	3.120	6.2	18.6
3 22	10 4.24	+ 6 23.6	2.225	3.121	9.5	18.8
4 1	10 0.64	+ 7 22.3	2.308	3.123	12.4	19.0

22310 1990 WU_{1} 2 23.0 116°.71 1°.8/24.9 18

1 22	10 43.64	+ 1 20.1	2.330	3.138	11.9	19.6
2 1	10 38.26	+ 1 56.7	2.262	3.156	8.9	19.5
2 11	10 31.35	+ 2 47.3	2.221	3.174	5.5	19.3
2 21	10 23.54	+ 3 48.1	2.208	3.191	2.3	19.1
3 2	10 15.60	+ 4 54.3	2.225	3.207	2.9	19.2
3 12	10 8.34	+ 6 0.0	2.273	3.223	6.1	19.4
3 22	10 2.40	+ 7 0.3	2.348	3.239	9.3	19.6
4 1	9 58.27	+ 7 51.5	2.448	3.254	12.0	19.8

207122 2005 AA_{59} 2 23.0 7°.17 1°.2/23.8 18

1 22	10 42.64	+ 5 28.9	1.168	2.030	17.8	19.7
2 1	10 38.81	+ 5 50.3	1.106	2.030	13.1	19.4
2 11	10 32.17	+ 6 31.8	1.065	2.031	7.7	19.1
2 21	10 23.72	+ 7 27.6	1.046	2.034	2.0	18.8
3 2	10 14.88	+ 8 28.7	1.053	2.037	4.5	19.0
3 12	10 7.24	+ 9 25.2	1.084	2.042	10.1	19.3
3 22	10 1.99	+10 9.6	1.137	2.048	15.2	19.6
4 1	9 59.88	+10 37.2	1.208	2.054	19.4	19.9

467958 2012 HU_{42} 2 23.0 254°.92 4°.8/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.55	+21 16.4	2.012	2.870	11.5	21.7
2 1	10 40.17	+22 33.2	1.934	2.856	8.4	21.5
2 11	10 32.69	+23 51.6	1.882	2.842	5.7	21.3
2 21	10 23.80	+25 3.2	1.859	2.828	5.0	21.2
3 2	10 14.50	+26 0.4	1.865	2.813	7.2	21.3
3 12	10 5.90	+26 38.0	1.897	2.798	10.4	21.5
3 22	9 58.95	+26 53.9	1.954	2.783	13.6	21.7
4 1	9 54.33	+26 48.9	2.030	2.767	16.4	21.8

201152 2002 KL 2 23.0 179°.20 2°.1/20.2 17

1 22	10 42.77	+14 31.1	2.907	3.748	8.9	20.9
2 1	10 37.53	+15 47.9	2.831	3.749	6.3	20.7
2 11	10 30.93	+17 9.5	2.785	3.751	3.6	20.5
2 21	10 23.48	+18 30.4	2.769	3.751	2.1	20.4
3 2	10 15.81	+19 45.4	2.786	3.751	4.0	20.6
3 12	10 8.61	+20 49.9	2.834	3.751	6.7	20.7
3 22	10 2.47	+21 41.0	2.909	3.749	9.3	20.9
4 1	9 57.86	+22 17.7	3.007	3.747	11.5	21.1

377389 2004 RG_{310} 2 23.0 236°.67 2°.8/20.4 17

1 22	10 48.45	+17 51.9	2.366	3.210	10.5	21.7
2 1	10 41.94	+18 26.2	2.277	3.194	7.6	21.5
2 11	10 33.55	+19 2.4	2.214	3.179	4.5	21.2
2 21	10 23.94	+19 35.1	2.182	3.162	2.8	21.1
3 2	10 13.98	+19 59.5	2.180	3.145	4.9	21.2
3 12	10 4.63	+20 11.8	2.207	3.127	8.2	21.4
3 22	9 56.72	+20 10.4	2.261	3.109	11.3	21.5
4 1	9 50.87	+19 55.3	2.338	3.090	14.1	21.7

283488 2001 SU_{102} 2 23.0 109°.83 0°.7/22.5 18

1 22	10 51.35	+10 33.2	1.538	2.383	15.1	21.1
2 1	10 44.42	+10 54.0	1.479	2.398	10.9	20.8
2 11	10 35.03	+11 24.2	1.445	2.412	6.0	20.6
2 21	10 24.18	+11 57.9	1.438	2.426	1.1	20.3
3 2	10 13.19	+12 28.5	1.459	2.440	4.4	20.5
3 12	10 3.43	+12 50.6	1.508	2.453	9.2	20.9
3 22	9 55.90	+13 0.8	1.582	2.465	13.4	21.1
4 1	9 51.21	+12 58.1	1.676	2.478	16.8	21.4

276190 2002 PN_{192} 2 23.0 170°.95 1°.2/21.6 17

1 22	10 42.39	+10 43.6	2.503	3.342	10.2	21.2
2 1	10 37.40	+11 47.1	2.428	3.345	7.2	21.0
2 11	10 30.91	+12 58.4	2.380	3.348	4.0	20.8
2 21	10 23.48	+14 12.3	2.362	3.350	1.2	20.6
3 2	10 15.84	+15 23.0	2.376	3.351	3.5	20.7
3 12	10 8.75	+16 25.4	2.419	3.353	6.8	21.0
3 22	10 2.88	+17 15.8	2.489	3.353	9.8	21.1
4 1	9 58.72	+17 52.3	2.583	3.354	12.4	21.3

152631 1997 GO_{5} 2 23.0 123°.90 3°.0/20.9 18

1 22	10 52.66	+15 59.1	1.581	2.433	14.4	20.8
2 1	10 45.34	+16 39.4	1.525	2.447	10.3	20.6
2 11	10 35.54	+17 23.5	1.494	2.461	5.9	20.4
2 21	10 24.27	+18 3.7	1.491	2.475	3.0	20.2
3 2	10 12.89	+18 33.0	1.516	2.487	5.8	20.4
3 12	10 2.78	+18 46.7	1.569	2.500	10.1	20.7
3 22	9 54.96	+18 43.5	1.646	2.511	14.0	21.0
4 1	9 50.02	+18 24.5	1.743	2.522	17.2	21.2

499778 2011 CT_{38} 2 23.0 278°.44 1°.9/21.3 17

1 22	10 44.57	+13 3.0	1.849	2.702	12.6	21.5
2 1	10 39.49	+13 49.8	1.770	2.694	9.0	21.3
2 11	10 32.31	+14 44.5	1.717	2.685	5.0	21.0
2 21	10 23.75	+15 40.9	1.691	2.677	2.0	20.8
3 2	10 14.82	+16 31.9	1.693	2.668	4.8	21.0
3 12	10 6.65	+17 11.6	1.723	2.660	8.9	21.2
3 22	10 0.16	+17 36.4	1.779	2.651	12.7	21.4
4 1	9 56.01	+17 44.9	1.855	2.643	16.0	21.6

153132 2000 SW_{161} 2 23.0 96°.60 1°.1/21.8 18

1 22	10 43.97	+ 9 15.6	1.991	2.833	12.3	19.4
2 1	10 38.72	+10 33.6	1.935	2.853	8.7	19.2
2 11	10 31.69	+12 1.8	1.905	2.872	4.7	19.0
2 21	10 23.62	+13 33.1	1.904	2.892	1.2	18.8
3 2	10 15.42	+14 59.8	1.934	2.911	4.0	19.0
3 12	10 8.05	+16 15.0	1.992	2.929	7.9	19.3
3 22	10 2.24	+17 14.5	2.077	2.948	11.3	19.5
4 1	9 58.51	+17 56.5	2.184	2.965	14.1	19.8

32393 Galinato 2 23.0 61°.73 0°.5/23.5 18

1 22	10 42.16	+ 6 37.3	2.254	3.086	11.4	19.4
2 1	10 37.33	+ 7 4.1	2.180	3.090	8.3	19.2
2 11	10 30.91	+ 7 41.2	2.132	3.095	4.8	19.0
2 21	10 23.51	+ 8 24.8	2.112	3.100	1.1	18.7
3 2	10 15.90	+ 9 10.2	2.122	3.104	2.9	18.9
3 12	10 8.94	+ 9 52.4	2.161	3.109	6.6	19.1
3 22	10 3.31	+10 27.7	2.226	3.114	9.9	19.3
4 1	9 59.51	+10 53.3	2.315	3.119	12.7	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
187626 2007 BB_{22}			2 23.0 260°.12		1°.7/24.3 17	
	h m	° ′			°	m
1 22	10 46.89	+ 4 34.1	1.959	2.783	13.2	20.4
2 1	10 41.13	+ 4 34.0	1.864	2.768	9.9	20.1
2 11	10 33.25	+ 4 46.4	1.794	2.753	6.1	19.8
2 21	10 23.94	+ 5 8.8	1.752	2.737	2.3	19.6
3 2	10 14.14	+ 5 37.1	1.739	2.721	3.5	19.6
3 12	10 4.97	+ 6 6.5	1.754	2.705	7.6	19.8
3 22	9 57.37	+ 6 32.1	1.796	2.688	11.6	20.0
4 1	9 52.06	+ 6 50.5	1.860	2.671	15.0	20.2
90840 1995 WY_{12}			2 23.0 76°.65		2°.3/20.9 18	
1 22	10 44.26	+13 39.0	1.859	2.713	12.5	19.7
2 1	10 39.10	+14 37.6	1.799	2.723	8.8	19.4
2 11	10 31.98	+15 42.8	1.765	2.733	4.9	19.2
2 21	10 23.69	+16 47.6	1.758	2.743	2.3	19.1
3 2	10 15.22	+17 44.9	1.781	2.753	4.9	19.3
3 12	10 7.62	+18 29.1	1.831	2.764	8.8	19.5
3 22	10 1.72	+18 57.1	1.906	2.774	12.2	19.8
4 1	9 58.07	+19 8.2	2.003	2.784	15.2	20.0
302048 2000 TC_{18}			2 23.0 111°.87		0°.8/22.4 18	
1 22	10 49.00	+ 9 56.9	1.701	2.544	14.0	21.3
2 1	10 42.55	+10 36.0	1.644	2.561	10.0	21.1
2 11	10 33.93	+11 24.8	1.611	2.578	5.5	20.8
2 21	10 24.03	+12 17.2	1.607	2.595	1.1	20.6
3 2	10 13.99	+13 6.3	1.631	2.610	4.2	20.8
3 12	10 5.03	+13 46.0	1.683	2.626	8.6	21.1
3 22	9 58.04	+14 12.8	1.761	2.640	12.5	21.4
4 1	9 53.59	+14 25.2	1.860	2.655	15.7	21.6
337870 2001 WG_{35}			2 23.0 106°.14		3°.9/18.6 17	
1 22	10 43.46	+21 15.6	2.409	3.264	10.0	20.5
2 1	10 38.21	+22 19.1	2.352	3.273	7.2	20.4
2 11	10 31.37	+23 22.0	2.322	3.282	4.8	20.2
2 21	10 23.59	+24 18.1	2.321	3.290	4.0	20.2
3 2	10 15.66	+25 2.0	2.350	3.299	5.8	20.3
3 12	10 8.43	+25 30.5	2.406	3.308	8.5	20.5
3 22	10 2.57	+25 42.2	2.488	3.316	11.1	20.7
4 1	9 58.59	+25 37.8	2.591	3.324	13.3	20.8
18784 1999 JS_{47}			2 23.0 179°.90		0°.4/23.4 18	
1 22	10 47.59	+ 6 41.3	2.044	2.872	12.6	19.8
2 1	10 41.41	+ 7 12.8	1.965	2.874	9.2	19.6
2 11	10 33.29	+ 7 55.9	1.912	2.875	5.3	19.3
2 21	10 23.93	+ 8 46.3	1.887	2.875	1.1	19.0
3 2	10 14.28	+ 9 38.3	1.893	2.875	3.3	19.2
3 12	10 5.36	+10 26.2	1.928	2.874	7.4	19.5
3 22	9 58.03	+11 5.5	1.990	2.872	11.1	19.7
4 1	9 52.89	+11 33.3	2.075	2.869	14.3	19.9
497734 2006 SO_{186}			2 23.0 181°.93		2°.7/19.9 17	
1 22	10 44.23	+18 57.7	2.876	3.721	8.8	22.1
2 1	10 38.56	+19 37.0	2.804	3.722	6.3	22.0
2 11	10 31.51	+20 16.8	2.759	3.722	3.8	21.8
2 21	10 23.62	+20 52.7	2.745	3.722	2.7	21.7
3 2	10 15.56	+21 21.0	2.761	3.721	4.4	21.8
3 12	10 8.06	+21 38.6	2.807	3.720	6.9	22.0
3 22	10 1.71	+21 44.2	2.879	3.719	9.4	22.2
4 1	9 56.96	+21 37.8	2.975	3.717	11.6	22.3
30291 2000 HL_{71}			2 23.0 134°.61		4°.5/18.6 18	
1 22	10 48.14	+22 2.9	2.169	3.020	11.1	19.1
2 1	10 41.68	+23 9.6	2.116	3.034	8.1	18.9
2 11	10 33.35	+24 14.6	2.090	3.047	5.4	18.8
2 21	10 23.93	+25 10.8	2.092	3.060	4.6	18.7
3 2	10 14.39	+25 52.1	2.125	3.072	6.5	18.9
3 12	10 5.74	+26 15.3	2.185	3.083	9.4	19.1
3 22	9 58.75	+26 19.7	2.270	3.094	12.1	19.3
4 1	9 53.96	+26 6.8	2.376	3.104	14.5	19.5
73626 3939 $T\text{-}_{3}$			2 23.0 217°.32		3°.1/20.4 18	
1 22	10 48.92	+16 52.9	1.936	2.786	12.3	20.7
2 1	10 42.59	+17 42.7	1.858	2.779	8.8	20.5
2 11	10 34.05	+18 36.5	1.805	2.771	5.2	20.2
2 21	10 24.08	+19 27.3	1.780	2.762	3.2	20.1
3 2	10 13.74	+20 8.4	1.786	2.752	5.7	20.2
3 12	10 4.19	+20 34.6	1.819	2.742	9.4	20.4
3 22	9 56.40	+20 43.7	1.877	2.731	13.0	20.6
4 1	9 51.05	+20 36.0	1.957	2.720	16.1	20.8
432157 2009 BT_{144}			2 23.0 256°.74		1°.4/21.4 17	
1 22	10 41.29	+11 22.5	2.264	3.111	10.9	21.0
2 1	10 36.78	+12 24.4	2.189	3.109	7.7	20.8
2 11	10 30.65	+13 34.6	2.139	3.107	4.2	20.6
2 21	10 23.49	+14 47.4	2.119	3.106	1.4	20.4
3 2	10 16.07	+15 56.6	2.129	3.104	3.9	20.6
3 12	10 9.26	+16 56.5	2.167	3.102	7.4	20.8
3 22	10 3.75	+17 43.2	2.232	3.101	10.7	21.0
4 1	10 0.08	+18 14.9	2.320	3.099	13.4	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
169572 2002 FE_{13}			2 23.0 265°.14		2°.1/21.4 16	
	h m	° ′			°	m
1 22	10 46.64	+12 34.0	1.671	2.524	13.7	20.4
2 1	10 41.31	+13 26.0	1.584	2.507	9.9	20.1
2 11	10 33.52	+14 28.2	1.522	2.490	5.5	19.8
2 21	10 24.02	+15 33.8	1.486	2.473	2.1	19.6
3 2	10 13.96	+16 34.3	1.480	2.455	5.3	19.7
3 12	10 4.64	+17 22.3	1.500	2.437	9.9	20.0
3 22	9 57.20	+17 53.3	1.545	2.418	14.2	20.2
4 1	9 52.45	+18 5.4	1.609	2.400	17.9	20.4
343612 2010 GH_{122}			2 23.0 200°.09		0°.4/23.5 17	
1 22	10 41.21	+ 5 34.8	2.441	3.268	10.8	21.1
2 1	10 36.62	+ 6 22.2	2.359	3.266	7.9	20.9
2 11	10 30.52	+ 7 21.0	2.302	3.265	4.6	20.7
2 21	10 23.47	+ 8 27.3	2.275	3.263	1.0	20.4
3 2	10 16.18	+ 9 35.8	2.278	3.260	2.8	20.5
3 12	10 9.42	+10 40.8	2.311	3.258	6.3	20.8
3 22	10 3.86	+11 38.0	2.372	3.255	9.5	21.0
4 1	9 59.98	+12 24.1	2.456	3.253	12.3	21.1
519963 2013 TG_{155}			2 23.0 281°.78		0°.6/22.6 17	
1 22	10 44.14	+ 8 50.8	1.742	2.589	13.5	22.0
2 1	10 39.29	+ 9 33.4	1.662	2.581	9.8	21.7
2 11	10 32.26	+10 28.6	1.606	2.573	5.5	21.4
2 21	10 23.79	+11 30.5	1.577	2.565	0.9	21.1
3 2	10 14.91	+12 32.1	1.576	2.557	4.1	21.3
3 12	10 6.80	+13 26.2	1.603	2.549	8.7	21.5
3 22	10 0.41	+14 7.6	1.655	2.541	12.8	21.8
4 1	9 56.45	+14 33.4	1.728	2.533	16.3	22.0
466408 2013 SC_{79}			2 23.0 100°.17		0°.1/23.0 17	
1 22	10 42.79	+ 6 57.2	1.950	2.789	12.7	21.4
2 1	10 38.02	+ 7 47.3	1.878	2.793	9.2	21.2
2 11	10 31.41	+ 8 50.1	1.831	2.797	5.2	21.0
2 21	10 23.63	+10 0.2	1.812	2.801	0.9	20.7
3 2	10 15.60	+11 10.9	1.823	2.804	3.5	20.9
3 12	10 8.31	+12 15.3	1.862	2.808	7.6	21.1
3 22	10 2.54	+13 8.6	1.926	2.812	11.3	21.4
4 1	9 58.89	+13 47.5	2.014	2.815	14.4	21.6
457114 2008 FW_{15}			2 23.0 337°.24		6°.2/18.2 17	
1 22	10 44.72	+21 43.8	1.413	2.288	14.4	20.7
2 1	10 40.19	+23 2.0	1.349	2.279	10.6	20.4
2 11	10 32.95	+24 21.0	1.308	2.271	7.2	20.2
2 21	10 23.92	+25 29.9	1.293	2.263	6.4	20.1
3 2	10 14.47	+26 18.6	1.303	2.256	9.1	20.3
3 12	10 6.12	+26 40.9	1.338	2.250	13.0	20.5
3 22	10 0.05	+26 35.7	1.393	2.245	16.8	20.7
4 1	9 57.00	+26 5.4	1.466	2.240	20.1	20.9
377380 2004 RP_{208}			2 23.0 204°.11		3°.6/27.0 17	
1 22	10 44.72	− 4 38.5	2.773	3.542	11.2	22.2
2 1	10 39.02	− 4 37.3	2.674	3.536	8.9	22.0
2 11	10 31.84	− 4 21.4	2.601	3.529	6.4	21.8
2 21	10 23.71	− 3 51.8	2.556	3.521	4.2	21.6
3 2	10 15.29	− 3 11.0	2.542	3.512	3.9	21.6
3 12	10 7.31	− 2 22.9	2.558	3.503	5.9	21.7
3 22	10 0.42	− 1 32.0	2.603	3.492	8.5	21.9
4 1	9 55.12	− 0 42.7	2.673	3.481	11.0	22.0
169529 2002 EA_{65}			2 23.0 279°.56		0°.7/22.6 18	
1 22	10 47.97	+10 14.9	1.564	2.414	14.7	20.1
2 1	10 42.40	+10 35.9	1.476	2.396	10.7	19.8
2 11	10 34.20	+11 7.9	1.410	2.378	6.1	19.5
2 21	10 24.16	+11 45.7	1.372	2.360	1.1	19.1
3 2	10 13.49	+12 22.6	1.361	2.341	4.6	19.3
3 12	10 3.61	+12 51.7	1.376	2.323	9.7	19.6
3 22	9 55.75	+13 8.6	1.416	2.304	14.4	19.8
4 1	9 50.75	+13 10.9	1.476	2.286	18.4	20.0
164402 2005 GT_{104}			2 23.0 127°.72		6°.1/16.2 18	
1 22	10 48.51	+31 16.2	2.638	3.478	9.7	19.6
2 1	10 41.73	+32 11.9	2.592	3.491	7.7	19.5
2 11	10 33.30	+32 59.3	2.574	3.504	6.3	19.5
2 21	10 23.94	+33 32.5	2.584	3.516	6.2	19.5
3 2	10 14.54	+33 47.6	2.622	3.528	7.6	19.6
3 12	10 5.98	+33 43.2	2.688	3.540	9.5	19.7
3 22	9 58.96	+33 20.3	2.778	3.551	11.5	19.9
4 1	9 53.94	+32 41.3	2.888	3.562	13.2	20.0
49645 1999 JU_{34}			2 23.0 42°.90		4°.9/19.6 18	
1 22	10 48.00	+20 24.5	1.475	2.343	14.4	17.7
2 1	10 42.14	+21 14.9	1.429	2.356	10.4	17.5
2 11	10 33.81	+22 4.5	1.406	2.370	6.5	17.3
2 21	10 24.04	+22 44.6	1.409	2.385	5.0	17.2
3 2	10 14.21	+23 7.8	1.438	2.399	7.5	17.4
3 12	10 5.69	+23 10.4	1.493	2.415	11.2	17.7
3 22	9 59.46	+22 52.6	1.571	2.430	14.8	17.9
4 1	9 56.06	+22 16.6	1.668	2.446	17.9	18.2

465393 2008 GV_{25} 2 23.0 306°.39 5°.4/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.80	+20 42.1	1.524	2.392	14.0	21.4
2 1	10 41.74	+21 41.7	1.441	2.368	10.3	21.1
2 11	10 33.91	+22 43.9	1.381	2.344	6.7	20.9
2 21	10 24.12	+23 39.0	1.347	2.321	5.5	20.7
3 2	10 13.68	+24 17.6	1.339	2.297	8.2	20.8
3 12	10 4.10	+24 33.3	1.356	2.274	12.4	21.0
3 22	9 56.68	+24 24.1	1.396	2.252	16.5	21.2
4 1	9 52.30	+23 51.5	1.453	2.229	20.1	21.4

229673 2006 WQ_{123} 2 23.0 95°.29 2°.9/24.9 18

1 22	10 48.48	+ 2 2.9	1.349	2.183	17.5	20.6
2 1	10 42.74	+ 2 6.7	1.285	2.191	13.2	20.3
2 11	10 34.31	+ 2 31.0	1.241	2.199	8.3	20.1
2 21	10 24.17	+ 3 12.3	1.223	2.206	3.6	19.8
3 2	10 13.69	+ 4 4.0	1.231	2.214	4.5	19.9
3 12	10 4.39	+ 4 57.6	1.266	2.222	9.3	20.2
3 22	9 57.41	+ 5 45.4	1.324	2.229	14.0	20.4
4 1	9 53.46	+ 6 22.1	1.403	2.236	17.9	20.7

196350 2003 FM_{90} 2 23.0 0°.53 3°.9/25.5 18

1 22	10 46.44	+ 0 22.8	1.336	2.168	17.8	19.8
2 1	10 41.40	+ 0 11.2	1.265	2.168	13.7	19.6
2 11	10 33.63	+ 0 21.5	1.214	2.167	9.0	19.3
2 21	10 24.06	+ 0 51.6	1.187	2.167	4.7	19.1
3 2	10 14.03	+ 1 36.3	1.186	2.167	5.0	19.1
3 12	10 5.05	+ 2 27.4	1.211	2.168	9.5	19.3
3 22	9 58.32	+ 3 16.8	1.259	2.169	14.1	19.6
4 1	9 54.63	+ 3 57.6	1.327	2.170	18.2	19.8

69817 1998 RB_{58} 2 23.0 110°.93 0°.2/23.2 18

1 22	10 43.09	+ 7 8.3	2.028	2.865	12.3	19.7
2 1	10 38.21	+ 7 44.0	1.952	2.865	9.0	19.4
2 11	10 31.51	+ 8 31.3	1.901	2.866	5.1	19.2
2 21	10 23.68	+ 9 25.5	1.878	2.866	1.0	18.9
3 2	10 15.58	+10 20.9	1.885	2.867	3.3	19.1
3 12	10 8.17	+11 11.7	1.920	2.867	7.3	19.3
3 22	10 2.25	+11 53.4	1.981	2.868	10.9	19.6
4 1	9 58.37	+12 22.9	2.065	2.868	14.0	19.8

453256 2008 SP_{139} 2 23.0 204°.29 1°.0/23.7 18

1 22	10 49.77	+ 6 4.0	1.687	2.519	14.7	21.5
2 1	10 43.40	+ 6 19.1	1.606	2.515	10.8	21.2
2 11	10 34.62	+ 6 48.1	1.549	2.511	6.4	20.9
2 21	10 24.23	+ 7 26.6	1.519	2.506	1.7	20.6
3 2	10 13.40	+ 8 9.0	1.517	2.500	3.8	20.7
3 12	10 3.43	+ 8 48.8	1.544	2.494	8.6	21.0
3 22	9 55.40	+ 9 20.7	1.597	2.487	12.9	21.3
4 1	9 50.04	+ 9 41.3	1.671	2.479	16.6	21.5

379723 2011 GM_{42} 2 23.0 173°.94 1°.1/24.3 17

1 22	10 42.65	+ 2 49.7	2.455	3.269	11.2	21.8
2 1	10 37.63	+ 3 39.2	2.373	3.271	8.3	21.6
2 11	10 31.09	+ 4 42.2	2.317	3.274	5.0	21.4
2 21	10 23.60	+ 5 54.7	2.290	3.275	1.7	21.2
3 2	10 15.87	+ 7 11.4	2.294	3.277	2.7	21.3
3 12	10 8.70	+ 8 26.5	2.329	3.277	6.1	21.5
3 22	10 2.73	+ 9 34.7	2.391	3.277	9.3	21.7
4 1	9 58.48	+10 32.4	2.479	3.277	12.1	21.9

178912 2001 PG_{27} 2 23.0 169°.34 0°.9/23.9 18

1 22	10 44.50	+ 4 16.4	2.214	3.035	12.0	21.1
2 1	10 39.08	+ 4 59.2	2.135	3.039	8.8	20.9
2 11	10 31.95	+ 5 55.3	2.083	3.042	5.2	20.6
2 21	10 23.75	+ 7 0.3	2.059	3.045	1.5	20.4
3 2	10 15.30	+ 8 8.8	2.065	3.048	3.0	20.5
3 12	10 7.49	+ 9 14.5	2.101	3.049	6.7	20.7
3 22	10 1.07	+10 12.4	2.165	3.050	10.2	21.0
4 1	9 56.59	+10 59.1	2.252	3.051	13.2	21.2

121116 1999 GH_{42} 2 23.0 249°.60 5°.0/18.5 18

1 22	10 48.84	+20 45.8	1.851	2.707	12.4	20.0
2 1	10 42.83	+22 4.6	1.767	2.688	9.2	19.8
2 11	10 34.37	+23 26.2	1.708	2.668	6.1	19.6
2 21	10 24.21	+24 41.5	1.677	2.648	5.2	19.5
3 2	10 13.46	+25 41.5	1.675	2.626	7.6	19.6
3 12	10 3.45	+26 20.1	1.701	2.604	11.3	19.7
3 22	9 55.28	+26 35.1	1.749	2.581	14.8	19.9
4 1	9 49.75	+26 27.3	1.818	2.558	17.9	20.1

283017 2007 VW_{126} 2 23.0 64°.91 4°.1/26.9 18

1 22	10 43.17	− 3 44.3	2.195	2.984	13.2	20.2
2 1	10 38.11	− 3 54.2	2.119	2.993	10.4	20.1
2 11	10 31.40	− 3 47.2	2.068	3.002	7.3	19.9
2 21	10 23.66	− 3 24.5	2.043	3.010	4.7	19.8
3 2	10 15.71	− 2 49.2	2.047	3.019	4.4	19.7
3 12	10 8.43	− 2 6.0	2.079	3.028	6.7	19.9
3 22	10 2.51	− 1 20.3	2.138	3.037	9.7	20.1
4 1	9 58.49	− 0 36.9	2.221	3.046	12.4	20.3

275189 2009 WS_{79} 2 23.0 32°.33 1°.0/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.12	+ 4 52.7	1.833	2.668	13.5	20.8
2 1	10 38.37	+ 5 22.6	1.760	2.671	10.0	20.6
2 11	10 31.66	+ 6 7.0	1.711	2.673	5.9	20.4
2 21	10 23.72	+ 7 1.4	1.689	2.676	1.7	20.1
3 2	10 15.50	+ 7 59.9	1.696	2.679	3.4	20.2
3 12	10 8.05	+ 8 55.6	1.730	2.682	7.6	20.5
3 22	10 2.23	+ 9 43.3	1.790	2.685	11.5	20.7
4 1	9 58.63	+10 19.0	1.873	2.688	14.8	20.9

194066 2001 SE_{130} 2 23.0 336°.48 0°.3/22.9 18

1 22	10 48.16	+ 9 18.5	1.322	2.178	16.4	20.2
2 1	10 42.69	+ 9 34.7	1.252	2.175	12.0	19.9
2 11	10 34.39	+10 3.9	1.204	2.173	6.8	19.6
2 21	10 24.23	+10 40.3	1.182	2.170	1.1	19.2
3 2	10 13.62	+11 16.4	1.186	2.168	4.7	19.5
3 12	10 4.15	+11 44.9	1.216	2.167	10.2	19.8
3 22	9 57.06	+12 1.1	1.268	2.165	15.0	20.0
4 1	9 53.12	+12 2.5	1.340	2.164	19.1	20.3

259491 2003 SD_{229} 2 23.0 210°.44 0°.9/23.8 18

1 22	10 45.54	+ 4 57.1	1.720	2.554	14.3	21.1
2 1	10 40.30	+ 5 31.5	1.641	2.552	10.6	20.9
2 11	10 32.85	+ 6 21.9	1.586	2.549	6.2	20.6
2 21	10 23.95	+ 7 23.4	1.558	2.546	1.7	20.3
3 2	10 14.66	+ 8 29.3	1.559	2.542	3.6	20.4
3 12	10 6.18	+ 9 31.8	1.588	2.538	8.3	20.7
3 22	9 59.47	+10 25.0	1.642	2.534	12.5	20.9
4 1	9 55.23	+11 4.6	1.717	2.530	16.0	21.2

32395 2000 QV_{213} 2 23.0 356°.30 0°.7/22.3 18 R

1 22	10 40.81	+11 24.5	2.595	3.437	9.8	17.7
2 1	10 36.25	+11 44.4	2.517	3.435	7.0	17.5
2 11	10 30.29	+12 9.7	2.466	3.433	3.9	17.3
2 21	10 23.48	+12 37.2	2.444	3.432	0.8	17.1
3 2	10 16.49	+13 2.9	2.452	3.431	3.0	17.2
3 12	10 10.04	+13 23.4	2.489	3.431	6.2	17.4
3 22	10 4.73	+13 36.4	2.553	3.431	9.1	17.6
4 1	10 1.02	+13 40.2	2.640	3.431	11.7	17.8

102948 1999 XU_{54} 2 23.0 158°.88 0°.8/23.7 18

1 22	10 49.05	+ 5 20.5	1.697	2.527	14.7	20.7
2 1	10 42.76	+ 5 55.3	1.626	2.534	10.8	20.5
2 11	10 34.19	+ 6 45.3	1.579	2.541	6.3	20.2
2 21	10 24.18	+ 7 45.3	1.559	2.547	1.6	19.9
3 2	10 13.87	+ 8 48.3	1.569	2.552	3.7	20.1
3 12	10 4.49	+ 9 46.8	1.607	2.556	8.4	20.3
3 22	9 57.05	+10 35.3	1.671	2.560	12.5	20.6
4 1	9 52.19	+11 10.0	1.757	2.562	16.0	20.8

73178 2002 HH_{10} 2 23.0 274°.31 1°.2/22.1 17

1 22	10 45.95	+10 16.7	1.613	2.464	14.2	20.0
2 1	10 40.88	+11 2.3	1.525	2.447	10.3	19.7
2 11	10 33.34	+12 0.7	1.462	2.430	5.8	19.4
2 21	10 24.06	+13 5.5	1.425	2.413	1.3	19.1
3 2	10 14.20	+14 8.5	1.417	2.396	4.8	19.3
3 12	10 5.09	+15 1.8	1.435	2.378	9.7	19.5
3 22	9 57.88	+15 39.9	1.478	2.361	14.2	19.7
4 1	9 53.38	+16 0.1	1.540	2.343	18.0	19.9

81916 2000 NM_{12} 2 23.0 145°.91 5°.6/ 1.4 18

1 22	10 42.88	−13 42.2	3.095	3.805	11.4	19.4
2 1	10 37.55	−14 1.6	3.010	3.815	9.6	19.2
2 11	10 30.97	−14 3.9	2.949	3.825	7.8	19.1
2 21	10 23.61	−13 49.2	2.914	3.834	6.2	19.0
3 2	10 16.07	−13 18.7	2.908	3.843	5.6	19.0
3 12	10 8.99	−12 35.5	2.930	3.851	6.4	19.1
3 22	10 2.90	−11 43.9	2.981	3.859	8.0	19.2
4 1	9 58.24	−10 48.7	3.056	3.866	9.8	19.3

57028 2000 UJ_{60} 2 23.0 177°.68 0°.6/22.4 18

1 22	10 42.94	+10 48.1	2.812	3.645	9.4	20.3
2 1	10 37.68	+11 15.7	2.733	3.647	6.7	20.1
2 11	10 31.07	+11 49.0	2.682	3.647	3.7	19.9
2 21	10 23.63	+12 24.4	2.660	3.648	0.7	19.7
3 2	10 16.02	+12 58.3	2.670	3.648	2.9	19.8
3 12	10 8.92	+13 27.1	2.709	3.648	5.9	20.0
3 22	10 2.92	+13 48.3	2.776	3.648	8.7	20.2
4 1	9 58.46	+14 0.4	2.868	3.647	11.1	20.4

459511 2013 ER_{25} 2 23.1 354°.93 1°.5/22.0 17

1 22	10 43.78	+10 26.8	1.182	2.053	16.9	21.4
2 1	10 39.75	+11 11.6	1.118	2.049	12.2	21.1
2 11	10 32.82	+12 11.4	1.075	2.046	6.8	20.8
2 21	10 23.98	+13 17.7	1.056	2.044	1.6	20.5
3 2	10 14.69	+14 20.0	1.062	2.043	5.6	20.7
3 12	10 6.59	+15 9.0	1.092	2.042	11.2	21.0
3 22	10 0.95	+15 38.8	1.144	2.043	16.2	21.3
4 1	9 58.52	+15 47.3	1.214	2.044	20.3	21.6

277967 2006 ST_{366} 2 23.1 278°.58 3°.5/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.89	+ 0 15.2	1.656	2.475	15.5	20.3
2 1	10 40.69	+ 0 8.7	1.571	2.467	11.9	20.1
2 11	10 33.16	+ 0 20.8	1.508	2.459	7.9	19.8
2 21	10 24.04	+ 0 49.7	1.471	2.450	4.2	19.6
3 2	10 14.44	+ 1 31.2	1.462	2.442	4.4	19.6
3 12	10 5.59	+ 2 18.7	1.479	2.433	8.4	19.8
3 22	9 58.57	+ 3 5.5	1.522	2.425	12.6	20.0
4 1	9 54.13	+ 3 45.7	1.586	2.417	16.3	20.2

259045 2002 TE_{308} 2 23.1 138°.39 2°.5/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.40	+14 57.3	2.086	2.932	11.6	22.6
2 1	10 41.21	+15 55.7	2.025	2.945	8.3	22.5
2 11	10 33.16	+16 58.6	1.991	2.958	4.7	22.3
2 21	10 24.01	+17 59.6	1.986	2.969	2.5	22.1
3 2	10 14.69	+18 52.2	2.011	2.980	4.9	22.3
3 12	10 6.21	+19 31.7	2.065	2.991	8.4	22.5
3 22	9 59.36	+19 55.7	2.145	3.000	11.6	22.8
4 1	9 54.67	+20 3.9	2.247	3.010	14.3	23.0

268578 2006 BO_{116} 2 23.1 116°.87 0°.1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.54	+ 7 23.3	2.048	2.885	12.2	20.8
2 1	10 38.49	+ 8 8.3	1.978	2.892	8.8	20.6
2 11	10 31.67	+ 9 4.7	1.934	2.899	5.0	20.4
2 21	10 23.76	+10 7.3	1.918	2.906	0.8	20.1
3 2	10 15.63	+11 10.1	1.931	2.913	3.3	20.3
3 12	10 8.23	+12 6.9	1.974	2.919	7.3	20.5
3 22	10 2.32	+12 53.4	2.042	2.926	10.8	20.8
4 1	9 58.44	+13 26.7	2.134	2.932	13.8	21.0

468256 2015 BE_{326} 2 23.1 150°.87 1°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.43	+12 35.9	2.194	3.039	11.2	21.4
2 1	10 39.06	+13 19.6	2.124	3.043	8.0	21.2
2 11	10 31.96	+14 9.7	2.079	3.047	4.4	21.0
2 21	10 23.81	+15 0.8	2.064	3.050	1.5	20.8
3 2	10 15.44	+15 47.4	2.078	3.054	4.0	21.0
3 12	10 7.78	+16 24.7	2.122	3.057	7.6	21.2
3 22	10 1.55	+16 49.9	2.191	3.059	10.8	21.4
4 1	9 57.30	+17 1.7	2.283	3.062	13.6	21.6

396230 2014 BN_{12} 2 23.1 244°.41 2°.6/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.15	+15 49.1	2.462	3.314	9.9	21.1
2 1	10 36.64	+16 58.7	2.388	3.311	7.0	20.9
2 11	10 30.59	+18 12.8	2.341	3.308	4.1	20.7
2 21	10 23.58	+19 25.5	2.324	3.305	2.6	20.6
3 2	10 16.32	+20 31.0	2.338	3.302	4.7	20.7
3 12	10 9.61	+21 24.3	2.380	3.299	7.7	20.9
3 22	10 4.13	+22 2.7	2.447	3.296	10.6	21.1
4 1	10 0.38	+22 25.1	2.538	3.293	13.0	21.3

498965 2009 BH_{115} 2 23.1 24°.45 3°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.76	+17 27.1	1.945	2.808	11.6	20.9
2 1	10 37.38	+18 51.5	1.884	2.811	8.3	20.7
2 11	10 31.11	+20 19.9	1.849	2.815	5.1	20.5
2 21	10 23.67	+21 44.3	1.842	2.819	3.9	20.4
3 2	10 15.99	+22 56.7	1.864	2.823	6.2	20.6
3 12	10 9.08	+23 51.5	1.913	2.828	9.6	20.8
3 22	10 3.75	+24 25.9	1.986	2.833	12.7	21.0
4 1	10 0.56	+24 39.8	2.079	2.838	15.4	21.2

304569 2006 VH_{19} 2 23.1 206°.72 4°.8/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.63	−10 4.3	2.999	3.738	11.1	21.3
2 1	10 36.76	−10 9.5	2.901	3.733	9.2	21.2
2 11	10 30.59	− 9 58.5	2.827	3.727	7.1	21.0
2 21	10 23.59	− 9 31.7	2.779	3.721	5.4	20.9
3 2	10 16.34	− 8 50.6	2.761	3.715	4.8	20.9
3 12	10 9.49	− 7 59.0	2.772	3.708	6.0	20.9
3 22	10 3.60	− 7 1.2	2.812	3.701	8.0	21.0
4 1	9 59.14	− 6 1.9	2.877	3.693	10.1	21.2

201666 2003 UN_{50} 2 23.1 136°.38 4°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.73	− 8 42.4	2.791	3.538	11.7	21.7
2 1	10 38.23	− 8 43.1	2.713	3.553	9.5	21.5
2 11	10 31.39	− 8 27.0	2.658	3.568	7.1	21.4
2 21	10 23.73	− 7 55.2	2.632	3.581	5.2	21.3
3 2	10 15.92	− 7 10.0	2.635	3.594	4.6	21.3
3 12	10 8.64	− 6 15.6	2.667	3.607	6.0	21.4
3 22	10 2.48	− 5 16.9	2.729	3.619	8.2	21.5
4 1	9 57.88	− 4 18.6	2.815	3.630	10.4	21.7

399604 2003 WL_{61} 2 23.1 115°.17 4°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.30	+19 28.6	1.767	2.624	12.9	21.2
2 1	10 42.84	+20 34.3	1.716	2.639	9.3	21.0
2 11	10 34.17	+21 40.5	1.690	2.653	5.8	20.8
2 21	10 24.22	+22 38.9	1.692	2.667	4.4	20.8
3 2	10 14.14	+23 22.4	1.722	2.681	6.8	20.9
3 12	10 5.15	+23 46.5	1.780	2.694	10.2	21.2
3 22	9 58.16	+23 50.4	1.862	2.706	13.5	21.4
4 1	9 53.73	+23 35.8	1.964	2.719	16.3	21.6

25793 Chrisanchez 2 23.1 233°.27 0°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.73	+ 8 13.3	2.263	3.097	11.3	19.1
2 1	10 38.58	+ 8 41.1	2.179	3.091	8.2	18.9
2 11	10 31.74	+ 9 18.1	2.121	3.086	4.7	18.7
2 21	10 23.81	+10 0.7	2.092	3.080	0.8	18.4
3 2	10 15.60	+10 43.9	2.092	3.074	3.1	18.6
3 12	10 7.98	+11 22.9	2.122	3.067	6.9	18.8
3 22	10 1.70	+11 54.0	2.179	3.061	10.3	19.0
4 1	9 57.32	+12 14.6	2.258	3.055	13.2	19.2

63533 2001 PY_{22} 2 23.1 107°.40 2°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.51	+14 13.9	1.824	2.678	12.7	19.7
2 1	10 40.09	+15 26.5	1.766	2.690	9.0	19.5
2 11	10 32.64	+16 45.6	1.734	2.702	5.1	19.3
2 21	10 23.97	+18 3.2	1.730	2.714	2.7	19.1
3 2	10 15.10	+19 11.4	1.756	2.725	5.4	19.3
3 12	10 7.15	+20 4.2	1.809	2.736	9.2	19.6
3 22	10 0.96	+20 38.6	1.886	2.747	12.7	19.8
4 1	9 57.10	+20 54.1	1.985	2.757	15.6	20.0

109311 2001 QB_{134} 2 23.1 197°.98 2°.3/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.11	+ 1 7.4	2.606	3.407	11.0	19.7
2 1	10 38.64	+ 1 7.0	2.518	3.405	8.4	19.5
2 11	10 31.70	+ 1 18.1	2.455	3.403	5.4	19.4
2 21	10 23.80	+ 1 39.2	2.421	3.400	2.8	19.2
3 2	10 15.66	+ 2 7.2	2.417	3.396	3.0	19.2
3 12	10 8.04	+ 2 38.5	2.443	3.393	5.8	19.4
3 22	10 1.57	+ 3 9.2	2.497	3.389	8.8	19.5
4 1	9 56.76	+ 3 36.1	2.576	3.385	11.4	19.7

145429 2005 QO_{65} 2 23.1 166°.39 3°.5/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 40.83	− 4 50.3	2.705	3.482	11.3	20.3
2 1	10 36.25	− 4 36.7	2.619	3.485	8.9	20.1
2 11	10 30.33	− 4 7.5	2.557	3.486	6.3	19.9
2 21	10 23.56	− 3 24.2	2.522	3.488	4.1	19.8
3 2	10 16.59	− 2 30.1	2.517	3.490	3.7	19.8
3 12	10 10.10	− 1 29.6	2.542	3.491	5.7	19.9
3 22	10 4.67	− 0 27.7	2.595	3.492	8.3	20.1
4 1	10 0.76	+ 0 31.1	2.673	3.493	10.7	20.2

501463 2014 BE_{10} 2 23.1 86°.39 5°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.06	+28 57.6	2.388	3.233	10.4	21.0
2 1	10 42.18	+29 46.7	2.348	3.254	8.0	20.9
2 11	10 33.60	+30 27.9	2.335	3.275	6.2	20.8
2 21	10 24.11	+30 55.6	2.350	3.296	5.9	20.8
3 2	10 14.65	+31 5.6	2.395	3.317	7.4	20.9
3 12	10 6.15	+30 56.5	2.466	3.337	9.5	21.1
3 22	9 59.31	+30 29.7	2.562	3.358	11.7	21.3
4 1	9 54.59	+29 47.6	2.678	3.377	13.6	21.5

428851 2008 UT_{75} 2 23.1 104°.15 1°.6/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.13	+13 16.6	2.170	3.016	11.3	21.1
2 1	10 39.53	+13 52.3	2.106	3.025	8.0	20.9
2 11	10 32.23	+14 33.3	2.068	3.035	4.4	20.7
2 21	10 23.90	+15 14.5	2.058	3.044	1.6	20.5
3 2	10 15.42	+15 50.7	2.078	3.054	4.0	20.7
3 12	10 7.69	+16 17.6	2.128	3.063	7.5	20.9
3 22	10 1.46	+16 33.0	2.203	3.072	10.8	21.1
4 1	9 57.22	+16 35.8	2.300	3.081	13.5	21.3

118704 2000 PK_{10} 2 23.1 163°.00 3°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.18	+20 14.7	2.283	3.133	10.6	20.0
2 1	10 41.02	+21 11.9	2.219	3.139	7.7	19.9
2 11	10 33.08	+22 9.2	2.182	3.143	4.9	19.7
2 21	10 24.06	+23 0.2	2.175	3.148	3.8	19.6
3 2	10 14.84	+23 39.4	2.197	3.152	5.8	19.8
3 12	10 6.39	+24 3.1	2.247	3.155	8.7	19.9
3 22	9 59.46	+24 10.0	2.323	3.158	11.5	20.1
4 1	9 54.59	+24 1.0	2.421	3.160	14.0	20.3

286077 2001 SX_{355} 2 23.1 198°.71 0°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.18	+ 7 1.1	1.879	2.712	13.3	21.8
2 1	10 41.40	+ 7 57.1	1.796	2.708	9.7	21.6
2 11	10 33.49	+ 9 7.3	1.740	2.704	5.5	21.3
2 21	10 24.16	+10 25.7	1.711	2.699	0.9	21.0
3 2	10 14.43	+11 44.9	1.713	2.694	3.8	21.2
3 12	10 5.44	+12 57.1	1.743	2.687	8.2	21.4
3 22	9 58.12	+13 56.6	1.800	2.680	12.2	21.7
4 1	9 53.16	+14 40.2	1.879	2.671	15.6	21.9

29207 1991 RG_2 2 23.1 117°.30 1°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.99	+ 5 36.1	1.634	2.464	15.1	19.6
2 1	10 44.12	+ 5 50.6	1.573	2.481	11.1	19.3
2 11	10 34.95	+ 6 19.0	1.537	2.498	6.5	19.1
2 21	10 24.40	+ 6 56.7	1.527	2.514	1.9	18.8
3 2	10 13.69	+ 7 37.8	1.547	2.530	3.7	19.0
3 12	10 4.10	+ 8 15.8	1.595	2.544	8.3	19.3
3 22	9 56.59	+ 8 46.1	1.668	2.559	12.4	19.6
4 1	9 51.74	+ 9 5.5	1.763	2.572	15.8	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
414234 2008 FA_{74}			2 23.1 338°.86	9°.2/15.7 18		
	h m	° ′			°	m
1 22	10 51.48	+32 33.9	1.651	2.505	13.8	21.2
2 1	10 44.88	+33 48.3	1.599	2.503	11.2	21.0
2 11	10 35.53	+34 50.4	1.570	2.502	9.4	20.9
2 21	10 24.51	+35 30.1	1.567	2.500	9.5	20.9
3 2	10 13.28	+35 40.0	1.590	2.499	11.4	21.0
3 12	10 3.37	+35 18.3	1.636	2.497	14.1	21.2
3 22	9 55.91	+34 28.1	1.703	2.496	16.8	21.3
4 1	9 51.53	+33 15.1	1.787	2.495	19.2	21.5
19520 1998 WC_{24}			2 23.1 299°.38	2°.8/21.3 18		
1 22	10 50.62	+16 59.8	1.666	2.520	13.7	17.1
2 1	10 44.17	+17 11.5	1.585	2.508	9.9	16.8
2 11	10 35.17	+17 25.4	1.528	2.495	5.8	16.6
2 21	10 24.48	+17 35.3	1.499	2.483	2.8	16.3
3 2	10 13.35	+17 35.7	1.497	2.471	5.6	16.5
3 12	10 3.16	+17 22.8	1.523	2.458	10.0	16.7
3 22	9 55.05	+16 55.5	1.574	2.447	14.1	16.9
4 1	9 49.76	+16 14.6	1.645	2.435	17.6	17.1
281298 2007 RM_{239}			2 23.1 146°.28	1°.6/21.2 18		
1 22	10 42.39	+12 9.7	2.383	3.227	10.5	20.7
2 1	10 37.53	+13 15.1	2.313	3.232	7.4	20.5
2 11	10 31.12	+14 27.4	2.270	3.237	4.1	20.3
2 21	10 23.75	+15 41.1	2.256	3.242	1.6	20.1
3 2	10 16.17	+16 50.0	2.274	3.247	3.9	20.3
3 12	10 9.19	+17 48.9	2.320	3.251	7.2	20.5
3 22	10 3.49	+18 34.6	2.393	3.255	10.3	20.7
4 1	9 59.57	+19 5.3	2.489	3.259	12.8	20.9
508753 2017 UQ_{36}			2 23.1 199°.12	0°.9/21.9 17		
1 22	10 42.45	+11 42.2	2.866	3.702	9.1	21.9
2 1	10 37.38	+12 17.3	2.784	3.700	6.5	21.8
2 11	10 30.97	+12 57.9	2.730	3.696	3.6	21.6
2 21	10 23.73	+13 40.1	2.705	3.693	1.0	21.3
3 2	10 16.29	+14 20.1	2.712	3.689	3.0	21.5
3 12	10 9.33	+14 54.1	2.748	3.684	6.0	21.7
3 22	10 3.42	+15 19.6	2.813	3.680	8.7	21.9
4 1	9 59.02	+15 35.1	2.901	3.675	11.1	22.0
219830 2002 CB_{49}			2 23.1 57°.38	0°.8/23.7 18		
1 22	10 46.47	+ 6 38.1	1.661	2.500	14.5	20.5
2 1	10 40.86	+ 6 50.4	1.601	2.514	10.6	20.3
2 11	10 33.13	+ 7 15.4	1.565	2.529	6.1	20.1
2 21	10 24.12	+ 7 48.5	1.556	2.543	1.5	19.8
3 2	10 14.95	+ 8 24.1	1.574	2.557	3.6	20.0
3 12	10 6.79	+ 8 56.4	1.621	2.572	8.0	20.3
3 22	10 0.52	+ 9 21.0	1.692	2.587	12.0	20.5
4 1	9 56.72	+ 9 35.0	1.785	2.602	15.3	20.8
59461 1999 GO_{45}			2 23.1 64°.14	9°.5/14.7 18		
1 22	10 50.17	+33 36.4	1.680	2.534	13.6	18.0
2 1	10 43.84	+35 7.4	1.642	2.543	11.2	17.9
2 11	10 34.90	+36 24.7	1.627	2.552	9.7	17.8
2 21	10 24.42	+37 17.9	1.638	2.561	9.9	17.9
3 2	10 13.85	+37 40.3	1.674	2.570	11.7	18.0
3 12	10 4.62	+37 30.4	1.733	2.580	14.1	18.2
3 22	9 57.78	+36 51.5	1.812	2.589	16.6	18.3
4 1	9 53.90	+35 49.0	1.908	2.599	18.7	18.5
148796 2001 UP_{66}			2 23.1 211°.54	3°.3/26.3 17		
1 22	10 45.43	− 2 8.8	2.281	3.072	12.7	20.6
2 1	10 39.86	− 2 2.0	2.187	3.065	9.9	20.4
2 11	10 32.53	− 1 38.9	2.117	3.057	6.8	20.2
2 21	10 24.03	− 1 1.1	2.075	3.049	3.9	20.0
3 2	10 15.17	− 0 12.2	2.064	3.040	3.8	19.9
3 12	10 6.86	+ 0 42.8	2.081	3.031	6.7	20.1
3 22	9 59.87	+ 1 38.3	2.126	3.021	9.9	20.3
4 1	9 54.80	+ 2 29.2	2.196	3.010	12.9	20.5
423190 2004 NM_{18}			2 23.1 118°.14	1°.2/24.5 18		
1 22	10 45.56	+ 3 8.8	2.656	3.462	10.7	22.1
2 1	10 39.51	+ 3 40.9	2.594	3.488	7.9	21.9
2 11	10 32.11	+ 4 23.7	2.558	3.512	4.8	21.8
2 21	10 23.93	+ 5 14.0	2.552	3.536	1.7	21.6
3 2	10 15.68	+ 6 7.4	2.577	3.559	2.5	21.7
3 12	10 8.07	+ 6 59.4	2.634	3.581	5.6	21.9
3 22	10 1.68	+ 7 46.3	2.719	3.603	8.4	22.1
4 1	9 56.94	+ 8 25.3	2.829	3.623	10.9	22.3
88662 2001 RN_{76}			2 23.1 158°.83	1°.9/21.2 18		
1 22	10 45.67	+13 11.4	2.108	2.954	11.6	20.0
2 1	10 40.06	+14 7.1	2.040	2.960	8.2	19.8
2 11	10 32.62	+15 9.2	1.997	2.964	4.6	19.6
2 21	10 24.04	+16 11.7	1.983	2.969	1.9	19.4
3 2	10 15.24	+17 8.2	2.000	2.973	4.4	19.6
3 12	10 7.17	+17 53.5	2.045	2.976	8.0	19.8
3 22	10 0.64	+18 24.5	2.116	2.979	11.4	20.0
4 1	9 56.19	+18 40.1	2.209	2.982	14.2	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211716 2003 YA_{28}			2 23.1 331°.71	5°.6/17.5 17		
	h m	° ′			°	m
1 22	10 44.19	+23 33.3	1.945	2.808	11.6	19.6
2 1	10 39.26	+24 52.0	1.882	2.804	8.7	19.4
2 11	10 32.27	+26 9.1	1.845	2.801	6.2	19.2
2 21	10 23.99	+27 16.3	1.835	2.798	5.8	19.2
3 2	10 15.42	+28 6.2	1.854	2.795	7.8	19.3
3 12	10 7.67	+28 34.5	1.898	2.792	10.8	19.5
3 22	10 1.62	+28 40.1	1.965	2.789	13.7	19.7
4 1	9 57.90	+28 24.6	2.052	2.787	16.3	19.9
464055 2014 WP_{227}			2 23.1 121°.66	2°.1/25.0 18		
1 22	10 46.51	+ 1 43.4	2.082	2.893	13.0	21.4
2 1	10 40.56	+ 2 2.0	2.014	2.909	9.8	21.2
2 11	10 32.85	+ 2 35.1	1.972	2.925	6.1	21.0
2 21	10 24.08	+ 3 19.6	1.958	2.940	2.7	20.8
3 2	10 15.14	+ 4 10.4	1.973	2.955	3.2	20.8
3 12	10 6.99	+ 5 2.0	2.018	2.969	6.7	21.1
3 22	10 0.38	+ 5 49.3	2.090	2.982	10.2	21.3
4 1	9 55.83	+ 6 28.5	2.186	2.995	13.1	21.5
403015 2007 WP_{5}			2 23.1 204°.40	1°.6/21.7 18		
1 22	10 49.46	+12 59.4	2.086	2.925	11.9	21.8
2 1	10 42.89	+13 36.9	2.003	2.920	8.6	21.6
2 11	10 34.28	+14 20.8	1.947	2.913	4.8	21.4
2 21	10 24.35	+15 5.6	1.920	2.906	1.6	21.1
3 2	10 14.06	+15 45.6	1.923	2.898	4.3	21.3
3 12	10 4.49	+16 15.8	1.956	2.889	8.2	21.5
3 22	9 56.53	+16 33.4	2.015	2.880	11.8	21.7
4 1	9 50.83	+16 37.2	2.096	2.869	14.8	21.9
43650 2002 EF_{87}			2 23.1 238°.55	4°.2/19.8 18		
1 22	10 49.38	+19 2.7	1.711	2.568	13.2	19.3
2 1	10 43.25	+19 56.7	1.636	2.560	9.6	19.0
2 11	10 34.65	+20 53.2	1.587	2.551	6.0	18.8
2 21	10 24.42	+21 43.9	1.564	2.542	4.3	18.7
3 2	10 13.78	+22 21.0	1.571	2.533	6.8	18.8
3 12	10 4.06	+22 39.4	1.603	2.523	10.7	19.0
3 22	9 56.36	+22 37.3	1.660	2.513	14.5	19.2
4 1	9 51.40	+22 16.0	1.736	2.503	17.7	19.4
297869 2002 CY_{96}			2 23.1 31°.66	1°.9/22.0 18		
1 22	10 47.81	+12 39.3	1.097	1.970	17.8	19.8
2 1	10 42.61	+13 2.7	1.050	1.982	12.7	19.5
2 11	10 34.39	+13 35.8	1.024	1.995	7.0	19.3
2 21	10 24.37	+14 10.5	1.022	2.010	2.0	19.0
3 2	10 14.24	+14 38.0	1.045	2.025	5.8	19.3
3 12	10 5.68	+14 51.8	1.092	2.042	11.2	19.6
3 22	9 59.87	+14 49.2	1.160	2.059	16.0	20.0
4 1	9 57.40	+14 30.0	1.246	2.077	19.9	20.3
128491 2004 PF_{15}			2 23.1 128°.53	2°.3/21.2 18		
1 22	10 49.48	+13 26.3	1.699	2.549	13.7	21.2
2 1	10 43.06	+14 22.1	1.641	2.563	9.7	21.0
2 11	10 34.40	+15 24.9	1.608	2.576	5.4	20.7
2 21	10 24.37	+16 27.2	1.603	2.588	2.3	20.5
3 2	10 14.17	+17 21.1	1.626	2.600	5.2	20.8
3 12	10 5.03	+18 0.9	1.678	2.611	9.4	21.0
3 22	9 57.88	+18 23.7	1.754	2.622	13.1	21.3
4 1	9 53.33	+18 29.2	1.852	2.632	16.3	21.5
391938 2008 UY_{366}			2 23.1 211°.51	4°.3/19.3 18		
1 22	10 50.39	+19 8.2	1.896	2.747	12.4	21.8
2 1	10 43.84	+20 20.9	1.819	2.739	9.0	21.6
2 11	10 34.95	+21 36.7	1.768	2.731	5.7	21.4
2 21	10 24.51	+22 47.0	1.746	2.721	4.4	21.3
3 2	10 13.62	+23 43.7	1.753	2.710	6.8	21.4
3 12	10 3.54	+24 21.1	1.789	2.698	10.4	21.6
3 22	9 55.32	+24 37.2	1.848	2.686	13.9	21.8
4 1	9 49.66	+24 32.7	1.928	2.672	16.9	22.0
328352 2008 LV_{7}			2 23.1 176°.66	2°.4/26.0 17		
1 22	10 43.42	− 1 42.8	2.607	3.397	11.3	21.8
2 1	10 38.18	− 1 6.8	2.520	3.400	8.7	21.7
2 11	10 31.49	− 0 15.5	2.458	3.402	5.7	21.5
2 21	10 23.88	+ 0 48.3	2.426	3.403	3.0	21.3
3 2	10 16.03	+ 2 0.4	2.424	3.404	3.0	21.3
3 12	10 8.70	+ 3 15.2	2.453	3.404	5.8	21.5
3 22	10 2.51	+ 4 27.5	2.511	3.403	8.7	21.7
4 1	9 57.96	+ 5 32.8	2.594	3.402	11.4	21.8
45612 2000 DB_{59}			2 23.1 118°.13	0°.6/23.6 18		
1 22	10 43.79	+ 6 13.1	2.258	3.086	11.6	19.5
2 1	10 38.56	+ 6 42.4	2.187	3.095	8.4	19.3
2 11	10 31.73	+ 7 22.2	2.142	3.104	4.9	19.1
2 21	10 23.92	+ 8 8.6	2.125	3.113	1.2	18.9
3 2	10 15.92	+ 8 56.9	2.139	3.121	2.9	19.0
3 12	10 8.60	+ 9 42.0	2.182	3.130	6.5	19.3
3 22	10 2.63	+10 19.9	2.251	3.138	9.8	19.5
4 1	9 58.52	+10 48.0	2.345	3.146	12.6	19.7

203452 2001 YA_{91} 2 23.1 25°.19 3°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.35	+14 42.2	1.167	2.043	16.7	19.3
2 1	10 40.86	+15 47.8	1.115	2.049	11.9	19.0
2 11	10 33.46	+17 2.3	1.085	2.056	6.8	18.8
2 21	10 24.24	+18 14.7	1.080	2.064	3.7	18.6
3 2	10 14.76	+19 13.9	1.099	2.072	7.1	18.8
3 12	10 6.64	+19 51.8	1.142	2.081	12.1	19.1
3 22	10 1.09	+20 5.5	1.207	2.091	16.6	19.4
4 1	9 58.76	+19 55.8	1.289	2.102	20.3	19.7

501705 2014 UG_{18} 2 23.1 153°.84 0°.8/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.18	+ 5 40.5	1.936	2.765	13.1	22.0
2 1	10 40.55	+ 6 9.6	1.862	2.770	9.6	21.8
2 11	10 32.96	+ 6 51.6	1.814	2.775	5.6	21.6
2 21	10 24.15	+ 7 42.2	1.793	2.780	1.4	21.3
3 2	10 15.07	+ 8 35.5	1.801	2.784	3.3	21.4
3 12	10 6.78	+ 9 25.5	1.839	2.788	7.5	21.7
3 22	10 0.10	+10 7.4	1.902	2.791	11.2	21.9
4 1	9 55.64	+10 38.0	1.989	2.794	14.4	22.1

499834 2011 DC_{41} 2 23.1 242°.69 4°.6/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 54.10	+24 8.9	2.177	3.019	11.4	20.7
2 1	10 46.18	+24 27.4	2.097	3.009	8.5	20.5
2 11	10 36.11	+24 41.2	2.043	2.999	5.7	20.3
2 21	10 24.70	+24 44.4	2.019	2.988	4.6	20.2
3 2	10 13.03	+24 32.5	2.026	2.978	6.4	20.3
3 12	10 2.27	+24 3.7	2.061	2.967	9.5	20.5
3 22	9 53.33	+23 18.7	2.123	2.955	12.5	20.6
4 1	9 46.84	+22 20.2	2.206	2.944	15.2	20.8

65096 2002 CQ_{3} 2 23.1 122°.31 3°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.85	+15 47.6	1.830	2.680	12.9	19.9
2 1	10 43.17	+16 54.6	1.778	2.699	9.1	19.7
2 11	10 34.39	+18 5.6	1.752	2.718	5.3	19.5
2 21	10 24.39	+19 12.8	1.754	2.736	3.1	19.4
3 2	10 14.27	+20 8.7	1.786	2.753	5.6	19.6
3 12	10 5.19	+20 48.2	1.846	2.769	9.3	19.9
3 22	9 58.03	+21 9.3	1.931	2.785	12.7	20.1
4 1	9 53.33	+21 12.6	2.037	2.799	15.6	20.3

465455 2008 SU_{97} 2 23.1 230°.28 2°.4/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.64	− 0 31.4	2.527	3.324	11.4	22.4
2 1	10 38.48	− 0 10.1	2.427	3.311	8.8	22.2
2 11	10 31.74	+ 0 25.8	2.351	3.297	5.8	22.0
2 21	10 23.95	+ 1 14.2	2.304	3.283	3.0	21.8
3 2	10 15.80	+ 2 11.3	2.288	3.268	3.1	21.8
3 12	10 8.10	+ 3 12.1	2.302	3.252	6.1	21.9
3 22	10 1.55	+ 4 11.5	2.344	3.236	9.2	22.1
4 1	9 56.69	+ 5 5.2	2.410	3.220	12.1	22.3

498130 2007 TA_{28} 2 23.1 128°.99 3°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.65	+22 24.5	2.491	3.340	9.9	21.6
2 1	10 40.51	+23 9.2	2.433	3.350	7.2	21.5
2 11	10 32.78	+23 51.8	2.402	3.360	4.8	21.3
2 21	10 24.11	+24 26.8	2.400	3.369	4.0	21.3
3 2	10 15.33	+24 49.9	2.429	3.378	5.7	21.4
3 12	10 7.30	+24 58.4	2.485	3.387	8.2	21.6
3 22	10 0.70	+24 51.8	2.568	3.396	10.8	21.8
4 1	9 55.99	+24 31.1	2.672	3.404	12.9	22.0

496416 2013 YE_{88} 2 23.1 28°.97 3°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.88	+17 3.2	2.292	3.147	10.4	20.8
2 1	10 37.29	+18 13.0	2.224	3.148	7.4	20.6
2 11	10 31.07	+19 26.3	2.183	3.148	4.4	20.4
2 21	10 23.82	+20 36.8	2.171	3.149	3.1	20.3
3 2	10 16.34	+21 38.2	2.189	3.150	5.2	20.4
3 12	10 9.50	+22 25.8	2.234	3.151	8.3	20.6
3 22	10 3.99	+22 57.0	2.306	3.152	11.2	20.8
4 1	10 0.35	+23 11.2	2.398	3.153	13.7	21.0

133336 2003 SR_{102} 2 23.1 310°.86 5°.7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 40.54	− 8 55.2	1.880	2.658	15.5	19.2
2 1	10 36.70	− 8 38.4	1.787	2.647	12.7	19.0
2 11	10 30.92	− 7 55.2	1.715	2.637	9.5	18.8
2 21	10 23.82	− 6 46.4	1.668	2.626	6.6	18.6
3 2	10 16.30	− 5 16.1	1.648	2.616	5.8	18.5
3 12	10 9.38	− 3 32.1	1.655	2.607	7.9	18.6
3 22	10 3.94	− 1 43.9	1.689	2.597	11.2	18.8
4 1	10 0.67	− 0 0.4	1.746	2.588	14.5	19.0

118351 1999 CF_{98} 2 23.1 296°.16 0°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.10	+ 7 16.1	1.698	2.541	14.1	19.5
2 1	10 40.15	+ 7 38.0	1.614	2.530	10.3	19.2
2 11	10 32.93	+ 8 13.1	1.554	2.519	6.0	18.9
2 21	10 24.19	+ 8 56.9	1.520	2.508	1.2	18.6
3 2	10 14.99	+ 9 43.3	1.515	2.498	3.8	18.7
3 12	10 6.54	+10 25.7	1.537	2.487	8.5	19.0
3 22	9 59.87	+10 58.8	1.583	2.477	12.8	19.2
4 1	9 55.69	+11 19.3	1.651	2.467	16.4	19.4

36989 2000 SR_{355} 2 23.1 51°.87 2°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.37	+13 21.6	1.614	2.475	13.7	18.6
2 1	10 38.78	+14 47.1	1.561	2.489	9.6	18.4
2 11	10 32.04	+16 20.9	1.534	2.503	5.4	18.2
2 21	10 24.00	+17 53.8	1.534	2.518	2.9	18.0
3 2	10 15.79	+19 16.2	1.562	2.532	5.8	18.2
3 12	10 8.56	+20 20.9	1.617	2.547	9.8	18.5
3 22	10 3.21	+21 4.2	1.695	2.562	13.5	18.8
4 1	10 0.31	+21 25.8	1.794	2.578	16.6	19.0

100382 1995 VF_{13} 2 23.1 213°.13 0°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.53	+ 8 48.6	2.051	2.886	12.3	20.6
2 1	10 40.85	+ 9 33.8	1.966	2.879	8.9	20.4
2 11	10 33.19	+10 29.9	1.906	2.872	5.0	20.1
2 21	10 24.23	+11 31.8	1.875	2.863	0.9	19.8
3 2	10 14.89	+12 33.2	1.874	2.854	3.7	20.0
3 12	10 6.20	+13 27.8	1.902	2.844	7.8	20.2
3 22	9 59.03	+14 11.1	1.957	2.834	11.5	20.4
4 1	9 54.03	+14 40.5	2.034	2.823	14.7	20.6

235442 2003 YZ_{131} 2 23.1 96°.43 4°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.47	+23 27.8	2.156	3.011	11.0	20.3
2 1	10 40.63	+24 23.4	2.100	3.019	8.1	20.2
2 11	10 32.94	+25 16.2	2.070	3.026	5.6	20.0
2 21	10 24.16	+25 59.5	2.069	3.034	4.9	20.0
3 2	10 15.25	+26 27.9	2.096	3.042	6.8	20.1
3 12	10 7.18	+26 38.2	2.151	3.049	9.5	20.3
3 22	10 0.74	+26 30.4	2.230	3.056	12.2	20.5
4 1	9 56.46	+26 5.7	2.329	3.064	14.6	20.7

350095 2011 NG_{1} 2 23.1 169°.61 1°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.77	+ 9 48.5	1.575	2.425	14.6	21.0
2 1	10 41.41	+11 1.6	1.506	2.428	10.4	20.8
2 11	10 33.64	+12 28.5	1.462	2.430	5.8	20.5
2 21	10 24.32	+14 0.7	1.445	2.432	1.6	20.2
3 2	10 14.62	+15 28.4	1.456	2.433	5.0	20.5
3 12	10 5.87	+16 42.6	1.495	2.434	9.7	20.7
3 22	9 59.11	+17 37.9	1.558	2.435	14.0	21.0
4 1	9 55.03	+18 12.2	1.641	2.435	17.5	21.2

101430 1998 VE_{32} 2 23.1 187°.52 16°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.32	−32 56.7	1.808	2.394	21.9	19.6
2 1	10 46.53	−34 17.0	1.723	2.395	20.4	19.5
2 11	10 36.79	−35 0.0	1.652	2.394	18.8	19.3
2 21	10 24.92	−34 58.1	1.597	2.392	17.3	19.2
3 2	10 12.25	−34 6.8	1.561	2.389	16.2	19.1
3 12	10 0.41	−32 28.8	1.547	2.384	16.0	19.1
3 22	9 50.78	−30 13.4	1.554	2.377	16.8	19.1
4 1	9 44.31	−27 34.5	1.582	2.369	18.3	19.2

134426 1998 QQ_{105} 2 23.1 86°.59 3°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.44	+18 1.6	1.690	2.545	13.5	19.4
2 1	10 43.66	+18 53.5	1.645	2.568	9.6	19.3
2 11	10 34.67	+19 46.6	1.626	2.591	5.7	19.1
2 21	10 24.46	+20 33.1	1.634	2.614	3.7	19.0
3 2	10 14.25	+21 6.3	1.671	2.636	6.2	19.2
3 12	10 5.25	+21 22.3	1.735	2.658	9.8	19.5
3 22	9 58.35	+21 20.5	1.823	2.679	13.3	19.7
4 1	9 54.06	+21 2.1	1.932	2.700	16.1	20.0

385074 2012 UM_{85} 2 23.1 114°.06 2°.7/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.23	+17 44.3	2.329	3.178	10.5	21.2
2 1	10 40.31	+18 14.8	2.264	3.184	7.5	21.0
2 11	10 32.71	+18 46.6	2.224	3.190	4.4	20.8
2 21	10 24.13	+19 14.7	2.214	3.195	2.7	20.7
3 2	10 15.40	+19 34.7	2.234	3.201	4.7	20.9
3 12	10 7.41	+19 43.4	2.283	3.207	7.8	21.1
3 22	10 0.87	+19 39.6	2.358	3.212	10.7	21.3
4 1	9 56.27	+19 23.4	2.455	3.218	13.2	21.5

301655 2010 EC_{127} 2 23.1 311°.29 4°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.45	+16 21.7	1.286	2.160	15.6	20.3
2 1	10 41.04	+17 43.2	1.217	2.150	11.3	20.0
2 11	10 33.71	+19 14.0	1.171	2.140	6.8	19.7
2 21	10 24.36	+20 42.6	1.149	2.130	4.7	19.5
3 2	10 14.45	+21 56.8	1.153	2.120	8.0	19.7
3 12	10 5.60	+22 47.3	1.182	2.111	12.8	19.9
3 22	9 59.16	+23 10.4	1.232	2.103	17.3	20.2
4 1	9 55.96	+23 6.5	1.299	2.094	21.1	20.4

108876 2001 OV_{104} 2 23.1 86°.89 2°.7/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.68	− 1 33.7	1.872	2.679	14.5	19.7
2 1	10 39.38	− 0 50.5	1.813	2.703	11.0	19.5
2 11	10 32.26	+ 0 12.4	1.778	2.726	7.1	19.4
2 21	10 24.06	+ 1 30.5	1.770	2.749	3.5	19.2
3 2	10 15.74	+ 2 57.1	1.791	2.772	3.6	19.2
3 12	10 8.30	+ 4 24.1	1.841	2.795	7.0	19.5
3 22	10 2.50	+ 5 44.4	1.918	2.817	10.6	19.7
4 1	9 58.85	+ 6 52.9	2.019	2.838	13.7	20.0

271767 2004 SP_{39} 2 23.1 173°.07 1°.8/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.78	+ 1 18.7	2.585	3.388	11.0	21.0
2 1	10 38.46	+ 1 49.2	2.501	3.392	8.3	20.8
2 11	10 31.67	+ 2 32.7	2.443	3.395	5.2	20.6
2 21	10 23.96	+ 3 26.3	2.415	3.397	2.3	20.4
3 2	10 16.03	+ 4 25.7	2.417	3.398	2.7	20.5
3 12	10 8.63	+ 5 25.9	2.450	3.400	5.8	20.7
3 22	10 2.39	+ 6 22.5	2.511	3.400	8.8	20.9
4 1	9 57.81	+ 7 11.5	2.597	3.400	11.5	21.0

194133 2001 SG_{301} 2 23.1 289°.29 1°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.10	+ 3 10.8	1.380	2.222	16.7	20.8
2 1	10 40.65	+ 3 36.4	1.294	2.207	12.6	20.5
2 11	10 33.47	+ 4 23.7	1.230	2.191	7.8	20.2
2 21	10 24.34	+ 5 28.9	1.190	2.176	2.7	19.9
3 2	10 14.51	+ 6 44.1	1.177	2.161	4.3	19.9
3 12	10 5.49	+ 7 59.3	1.189	2.145	9.7	20.2
3 22	9 58.59	+ 9 5.7	1.225	2.130	14.8	20.4
4 1	9 54.69	+ 9 56.6	1.281	2.115	19.2	20.6

256201 2006 VW_{93} 2 23.1 116°.23 0°.7/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.72	+ 9 1.2	1.793	2.637	13.4	21.0
2 1	10 40.33	+ 9 48.2	1.727	2.645	9.6	20.8
2 11	10 32.89	+10 46.3	1.686	2.653	5.3	20.6
2 21	10 24.18	+11 49.6	1.672	2.660	1.0	20.3
3 2	10 15.24	+12 51.0	1.688	2.668	3.9	20.5
3 12	10 7.17	+13 43.8	1.731	2.675	8.3	20.8
3 22	10 0.84	+14 23.6	1.800	2.682	12.1	21.0
4 1	9 56.85	+14 48.2	1.891	2.689	15.3	21.3

333439 2003 SV_{245} 2 23.1 216°.49 1°.6/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.18	+ 1 52.4	2.535	3.343	11.1	21.7
2 1	10 38.12	+ 2 22.8	2.441	3.335	8.3	21.5
2 11	10 31.54	+ 3 6.5	2.373	3.326	5.2	21.3
2 21	10 23.95	+ 4 0.5	2.334	3.317	2.2	21.1
3 2	10 16.06	+ 5 0.6	2.325	3.307	2.8	21.1
3 12	10 8.64	+ 6 1.8	2.347	3.297	6.0	21.3
3 22	10 2.38	+ 6 59.1	2.397	3.287	9.2	21.5
4 1	9 57.79	+ 7 48.7	2.471	3.275	12.0	21.7

450984 2008 SL_{193} 2 23.1 85°.43 3°.7/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.15	+15 47.5	1.386	2.250	15.3	21.8
2 1	10 43.23	+16 53.7	1.336	2.264	10.9	21.6
2 11	10 34.66	+18 5.5	1.309	2.277	6.3	21.4
2 21	10 24.50	+19 13.2	1.308	2.290	3.7	21.2
3 2	10 14.17	+20 7.2	1.334	2.303	6.7	21.4
3 12	10 5.16	+20 41.1	1.386	2.316	11.2	21.7
3 22	9 58.52	+20 53.2	1.461	2.329	15.2	22.0
4 1	9 54.87	+20 44.3	1.554	2.342	18.5	22.3

211571 2003 SB_{152} 2 23.1 103°.64 3°.6/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.66	+16 57.4	1.687	2.542	13.5	20.7
2 1	10 43.18	+18 0.1	1.638	2.561	9.6	20.5
2 11	10 34.46	+19 5.7	1.614	2.580	5.7	20.4
2 21	10 24.45	+20 6.1	1.617	2.598	3.6	20.3
3 2	10 14.35	+20 53.5	1.649	2.615	6.2	20.5
3 12	10 5.39	+21 23.2	1.709	2.632	9.9	20.7
3 22	9 58.48	+21 33.8	1.793	2.649	13.4	21.0
4 1	9 54.19	+21 26.1	1.897	2.665	16.3	21.2

422569 2014 TV_{47} 2 23.1 135°.69 8°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.72	+32 14.2	1.751	2.600	13.4	20.7
2 1	10 46.35	+33 17.6	1.699	2.602	10.8	20.5
2 11	10 36.35	+34 8.8	1.672	2.604	8.9	20.4
2 21	10 24.79	+34 38.6	1.671	2.606	8.8	20.4
3 2	10 13.11	+34 40.6	1.696	2.608	10.6	20.5
3 12	10 2.75	+34 13.6	1.746	2.610	13.2	20.7
3 22	9 54.79	+33 20.6	1.818	2.612	15.9	20.8
4 1	9 49.84	+32 7.0	1.909	2.614	18.2	21.0

401969 2002 TY_{144} 2 23.1 83°.89 3°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.84	+15 40.6	1.762	2.615	13.1	21.7
2 1	10 42.40	+17 0.1	1.724	2.647	9.3	21.5
2 11	10 33.93	+18 23.0	1.712	2.679	5.3	21.3
2 21	10 24.35	+19 40.6	1.729	2.710	3.3	21.3
3 2	10 14.79	+20 45.3	1.775	2.740	5.8	21.5
3 12	10 6.37	+21 31.7	1.849	2.770	9.4	21.8
3 22	9 59.90	+21 58.4	1.947	2.799	12.7	22.0
4 1	9 55.85	+22 6.1	2.066	2.828	15.4	22.3

55300 2001 SL_{45} 2 23.1 111°.68 0°.4/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.02	+ 5 22.7	2.546	3.369	10.6	20.0
2 1	10 37.16	+ 6 11.2	2.478	3.384	7.7	19.9
2 11	10 30.91	+ 7 10.2	2.437	3.398	4.4	19.7
2 21	10 23.84	+ 8 15.5	2.425	3.413	1.0	19.4
3 2	10 16.62	+ 9 22.1	2.445	3.427	2.6	19.6
3 12	10 9.99	+10 24.8	2.494	3.441	5.9	19.8
3 22	10 4.54	+11 19.7	2.571	3.454	8.9	20.0
4 1	10 0.70	+12 4.0	2.673	3.467	11.4	20.2

517640 2015 AX_{283} 2 23.1 233°.61 1°.8/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.06	+ 3 4.8	1.996	2.819	13.1	21.8
2 1	10 39.04	+ 3 21.7	1.915	2.817	9.8	21.6
2 11	10 32.16	+ 3 53.0	1.859	2.816	6.1	21.4
2 21	10 24.08	+ 4 35.5	1.830	2.814	2.4	21.1
3 2	10 15.69	+ 5 24.3	1.830	2.813	3.2	21.2
3 12	10 7.97	+ 6 13.7	1.858	2.811	7.1	21.4
3 22	10 1.76	+ 6 58.4	1.913	2.809	10.8	21.6
4 1	9 57.64	+ 7 34.3	1.991	2.808	14.0	21.8

412044 2013 DW_{2} 2 23.1 299°.79 4°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.27	− 1 37.2	1.409	2.231	17.6	20.5
2 1	10 41.45	− 1 58.9	1.324	2.218	13.8	20.2
2 11	10 33.91	− 1 58.4	1.259	2.206	9.6	19.9
2 21	10 24.43	− 1 35.8	1.218	2.193	5.7	19.7
3 2	10 14.28	− 0 55.0	1.203	2.181	5.6	19.6
3 12	10 4.96	− 0 3.0	1.214	2.170	9.6	19.8
3 22	9 57.73	+ 0 51.5	1.248	2.158	14.2	20.1
4 1	9 53.48	+ 1 40.6	1.302	2.147	18.4	20.3

358033 2006 FD_{25} 2 23.1 289°.98 0°.7/23.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.89	+ 6 14.1	1.480	2.326	15.6	21.4
2 1	10 41.16	+ 6 39.5	1.388	2.305	11.6	21.1
2 11	10 33.76	+ 7 22.2	1.318	2.283	6.8	20.8
2 21	10 24.42	+ 8 17.4	1.274	2.262	1.6	20.4
3 2	10 14.34	+ 9 18.1	1.257	2.240	4.2	20.5
3 12	10 4.98	+10 15.5	1.266	2.219	9.7	20.8
3 22	9 57.61	+11 2.4	1.299	2.198	14.6	21.0
4 1	9 53.15	+11 34.1	1.352	2.177	18.9	21.2

34860 2001 TJ_{77} 2 23.1 52°.27 4°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.19	+22 41.3	2.158	3.015	10.9	18.8
2 1	10 39.73	+23 34.9	2.101	3.021	8.0	18.7
2 11	10 32.47	+24 26.3	2.069	3.027	5.4	18.5
2 21	10 24.12	+25 9.3	2.066	3.033	4.7	18.5
3 2	10 15.63	+25 38.3	2.091	3.040	6.5	18.6
3 12	10 7.94	+25 50.1	2.143	3.046	9.3	18.8
3 22	10 1.84	+25 44.2	2.220	3.053	12.1	19.0
4 1	9 57.83	+25 21.7	2.318	3.059	14.4	19.2

426304 2012 TP_{162} 2 23.1 300°.16 3°.3/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.09	− 2 55.3	2.217	3.014	12.8	20.9
2 1	10 36.79	− 2 34.6	2.130	3.010	10.0	20.7
2 11	10 30.85	− 1 55.9	2.066	3.006	6.9	20.5
2 21	10 23.85	− 1 1.4	2.029	3.002	4.0	20.3
3 2	10 16.56	+ 0 4.7	2.021	2.999	3.7	20.3
3 12	10 9.82	+ 1 16.5	2.042	2.995	6.5	20.4
3 22	10 4.36	+ 2 27.5	2.090	2.991	9.7	20.6
4 1	10 0.73	+ 3 32.5	2.162	2.988	12.7	20.8

336533 2008 YS_{154} 2 23.1 144°.74 1°.4/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.03	+ 4 5.8	2.447	3.263	11.2	21.5
2 1	10 38.68	+ 4 19.2	2.370	3.269	8.3	21.3
2 11	10 31.82	+ 4 43.4	2.318	3.274	5.0	21.1
2 21	10 24.02	+ 5 15.5	2.295	3.280	1.9	20.9
3 2	10 16.02	+ 5 51.9	2.302	3.284	2.7	21.0
3 12	10 8.61	+ 6 28.2	2.339	3.289	6.0	21.2
3 22	10 2.45	+ 7 0.7	2.404	3.293	9.1	21.4
4 1	9 58.03	+ 7 26.4	2.492	3.297	11.8	21.6

260948 2005 SR_{18} 2 23.1 136°.92 0°.6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.66	+ 9 58.9	1.991	2.831	12.4	21.3
2 1	10 40.85	+10 31.8	1.922	2.838	8.9	21.1
2 11	10 33.14	+11 13.3	1.879	2.845	5.0	20.9
2 21	10 24.26	+11 58.5	1.864	2.852	0.9	20.6
3 2	10 15.16	+12 41.8	1.879	2.859	3.7	20.8
3 12	10 6.87	+13 17.8	1.923	2.865	7.7	21.1
3 22	10 0.20	+13 43.3	1.992	2.871	11.3	21.3
4 1	9 55.71	+13 56.2	2.084	2.877	14.3	21.5

225553 2000 SQ_{302} 2 23.1 140°.62 2°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.38	+ 2 25.1	2.111	2.925	12.8	20.7
2 1	10 40.57	+ 2 30.0	2.036	2.932	9.6	20.5
2 11	10 32.95	+ 2 48.3	1.986	2.939	6.1	20.3
2 21	10 24.23	+ 3 17.3	1.963	2.945	2.7	20.1
3 2	10 15.27	+ 3 53.1	1.970	2.952	3.3	20.1
3 12	10 7.02	+ 4 30.6	2.006	2.957	6.8	20.4
3 22	10 0.28	+ 5 5.4	2.070	2.963	10.2	20.6
4 1	9 55.58	+ 5 33.6	2.156	2.968	13.2	20.8

437696 2014 DP_{31} 2 23.1 358°.10 3°.9/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.12	+21 9.3	2.502	3.358	9.6	20.7
2 1	10 37.40	+22 14.0	2.436	3.358	7.0	20.5
2 11	10 31.13	+23 18.6	2.398	3.358	4.6	20.3
2 21	10 23.90	+24 17.4	2.388	3.357	4.0	20.3
3 2	10 16.47	+25 4.9	2.408	3.357	5.7	20.4
3 12	10 9.64	+25 37.4	2.456	3.357	8.3	20.6
3 22	10 4.07	+25 53.5	2.529	3.358	10.9	20.7
4 1	10 0.28	+25 53.3	2.623	3.358	13.1	20.9

500489 2012 TO_{261} 2 23.1 68°.87 1°.3/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.91	+13 8.5	2.194	3.037	11.3	21.6
2 1	10 40.14	+13 26.6	2.128	3.046	8.0	21.4
2 11	10 32.66	+13 49.3	2.088	3.055	4.5	21.2
2 21	10 24.17	+14 12.3	2.077	3.064	1.3	21.0
3 2	10 15.54	+14 31.5	2.095	3.073	3.7	21.2
3 12	10 7.67	+14 43.2	2.143	3.082	7.3	21.4
3 22	10 1.28	+14 45.3	2.217	3.091	10.5	21.6
4 1	9 56.90	+14 37.1	2.313	3.100	13.2	21.8

167064 2003 QN_{94} 2 23.1 125°.61 3°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.09	+16 20.6	1.788	2.640	13.0	20.5
2 1	10 42.75	+17 22.2	1.731	2.654	9.3	20.3
2 11	10 34.26	+18 27.7	1.701	2.667	5.4	20.1
2 21	10 24.47	+19 29.2	1.698	2.680	3.3	20.0
3 2	10 14.51	+20 19.4	1.725	2.692	5.8	20.2
3 12	10 5.58	+20 53.2	1.779	2.703	9.6	20.4
3 22	9 58.57	+21 8.6	1.858	2.714	13.0	20.7
4 1	9 54.05	+21 6.2	1.958	2.724	15.9	20.9

157120 2004 NH_4 2 23.1 175°.70 2°.2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.15	+13 52.3	2.086	2.927	11.9	21.1
2 1	10 42.66	+14 52.2	2.013	2.931	8.5	20.9
2 11	10 34.19	+15 58.2	1.968	2.934	4.8	20.7
2 21	10 24.46	+17 4.0	1.952	2.936	2.2	20.5
3 2	10 14.46	+18 2.6	1.966	2.937	4.7	20.7
3 12	10 5.23	+18 48.7	2.010	2.937	8.4	20.9
3 22	9 57.63	+19 19.2	2.080	2.936	11.8	21.1
4 1	9 52.26	+19 33.5	2.172	2.934	14.7	21.3

402857 2007 RT_{91} 2 23.1 210°.00 0°.7/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.93	+10 8.0	1.872	2.711	13.1	22.2
2 1	10 42.74	+10 40.1	1.790	2.706	9.5	22.0
2 11	10 34.35	+11 21.9	1.733	2.699	5.3	21.7
2 21	10 24.52	+12 8.1	1.705	2.693	1.0	21.4
3 2	10 14.28	+12 52.5	1.705	2.685	4.0	21.6
3 12	10 4.80	+13 29.3	1.735	2.677	8.4	21.8
3 22	9 57.07	+13 54.6	1.790	2.668	12.4	22.0
4 1	9 51.77	+14 6.4	1.867	2.659	15.7	22.2

407377 2010 RR_{150} 2 23.1 87°.81 1°.7/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.72	+ 2 50.1	1.685	2.513	14.8	21.5
2 1	10 40.38	+ 3 23.6	1.624	2.529	11.0	21.3
2 11	10 32.94	+ 4 14.3	1.586	2.544	6.7	21.0
2 21	10 24.24	+ 5 17.3	1.574	2.560	2.4	20.8
3 2	10 15.36	+ 6 25.8	1.591	2.575	3.5	20.9
3 12	10 7.42	+ 7 32.0	1.636	2.590	7.8	21.2
3 22	10 1.31	+ 8 29.6	1.707	2.604	11.8	21.5
4 1	9 57.60	+ 9 14.4	1.800	2.619	15.2	21.7

182015 1999 XH_{248} 2 23.1 135°.55 0°.5/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.96	+ 8 25.3	1.960	2.796	12.8	20.4
2 1	10 41.07	+ 9 14.3	1.895	2.809	9.2	20.2
2 11	10 33.27	+10 14.1	1.855	2.821	5.1	20.0
2 21	10 24.30	+11 18.8	1.844	2.832	0.9	19.7
3 2	10 15.14	+12 22.0	1.863	2.843	3.6	20.0
3 12	10 6.80	+13 17.4	1.910	2.853	7.7	20.2
3 22	10 0.12	+14 0.7	1.984	2.863	11.3	20.5
4 1	9 55.63	+14 29.9	2.081	2.872	14.4	20.7

317422 2002 PE_{199} 2 23.1 177°.58 1°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.80	+10 34.5	2.386	3.226	10.6	21.6
2 1	10 37.91	+11 34.6	2.310	3.227	7.6	21.4
2 11	10 31.44	+12 42.9	2.261	3.228	4.2	21.2
2 21	10 23.98	+13 54.3	2.241	3.228	1.2	21.0
3 2	10 16.28	+15 2.8	2.252	3.228	3.6	21.1
3 12	10 9.16	+16 2.9	2.292	3.228	7.0	21.4
3 22	10 3.29	+16 51.1	2.360	3.228	10.2	21.6
4 1	9 59.21	+17 25.2	2.450	3.227	12.8	21.7

405150 2002 ST_{48} 2 23.1 81°.83 0°.7/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.02	+ 9 3.9	1.748	2.588	13.9	21.8
2 1	10 42.50	+ 9 54.3	1.705	2.621	9.9	21.6
2 11	10 33.99	+10 54.6	1.687	2.653	5.4	21.4
2 21	10 24.41	+11 58.0	1.697	2.685	1.0	21.1
3 2	10 14.86	+12 57.4	1.737	2.716	3.9	21.4
3 12	10 6.42	+13 46.8	1.805	2.747	8.1	21.7
3 22	9 59.89	+14 22.7	1.898	2.777	11.7	22.0
4 1	9 55.77	+14 43.6	2.014	2.807	14.7	22.3

129489 1994 TN_5 2 23.1 343°.80 0°.6/23.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.08	+ 5 44.1	1.882	2.719	13.2	19.8
2 1	10 38.45	+ 6 19.7	1.805	2.717	9.7	19.6
2 11	10 31.89	+ 7 9.1	1.753	2.716	5.6	19.3
2 21	10 24.08	+ 8 7.7	1.727	2.715	1.4	19.0
3 2	10 15.96	+ 9 9.3	1.731	2.714	3.3	19.2
3 12	10 8.56	+10 7.3	1.763	2.713	7.6	19.4
3 22	10 2.72	+10 56.1	1.820	2.712	11.4	19.7
4 1	9 59.06	+11 32.4	1.899	2.712	14.7	19.9

375795 2009 SW_{356} 2 23.1 190°.21 1°.3/21.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.44	+11 35.3	2.217	3.058	11.3	22.7
2 1	10 39.92	+12 23.5	2.139	3.057	8.1	22.4
2 11	10 32.62	+13 19.3	2.088	3.055	4.5	22.2
2 21	10 24.21	+14 17.3	2.066	3.053	1.3	22.0
3 2	10 15.51	+15 11.8	2.074	3.051	3.9	22.2
3 12	10 7.46	+15 57.5	2.112	3.048	7.5	22.4
3 22	10 0.83	+16 31.1	2.176	3.045	10.9	22.6
4 1	9 56.19	+16 50.7	2.262	3.041	13.7	22.8

29026 6774 P–L 2 23.1 224°.08 4°.9/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.92	+23 11.5	2.047	2.896	11.7	19.8
2 1	10 44.09	+23 57.3	1.972	2.888	8.7	19.6
2 11	10 35.07	+24 40.6	1.923	2.880	5.9	19.4
2 21	10 24.65	+25 14.5	1.903	2.871	5.0	19.3
3 2	10 13.91	+25 32.8	1.912	2.861	7.0	19.4
3 12	10 4.03	+25 32.4	1.949	2.852	10.1	19.6
3 22	9 55.96	+25 12.9	2.010	2.841	13.2	19.8
4 1	9 50.34	+24 36.4	2.092	2.830	15.9	19.9

265654 2005 TE_{133} 2 23.1 122°.26 0°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.12	+ 8 47.6	1.992	2.822	12.8	20.7
2 1	10 43.29	+ 8 47.4	1.923	2.832	9.3	20.5
2 11	10 34.50	+ 8 55.3	1.880	2.843	5.3	20.3
2 21	10 24.53	+ 9 7.9	1.865	2.853	1.1	20.0
3 2	10 14.39	+ 9 21.2	1.880	2.862	3.3	20.2
3 12	10 5.13	+ 9 31.3	1.925	2.872	7.4	20.4
3 22	9 57.59	+ 9 35.2	1.997	2.881	11.0	20.7
4 1	9 52.33	+ 9 31.4	2.091	2.889	14.0	20.9

341625 2007 VK_1 2 23.1 4°.52 2°.0/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.72	+12 39.1	2.089	2.941	11.4	20.3
2 1	10 37.34	+13 49.2	2.018	2.941	8.1	20.1
2 11	10 31.20	+15 7.3	1.973	2.941	4.5	19.9
2 21	10 23.96	+16 26.9	1.956	2.942	2.0	19.7
3 2	10 16.45	+17 40.7	1.969	2.942	4.5	19.9
3 12	10 9.59	+18 42.8	2.011	2.942	8.1	20.1
3 22	10 4.16	+19 29.3	2.078	2.943	11.5	20.3
4 1	10 0.71	+19 58.4	2.166	2.944	14.3	20.5

329514 2002 RG_{238} 2 23.1 91°.91 0°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.00	+ 9 22.1	1.767	2.609	13.7	21.7
2 1	10 41.86	+10 10.1	1.716	2.633	9.7	21.5
2 11	10 33.70	+11 8.0	1.690	2.657	5.4	21.3
2 21	10 24.38	+12 9.4	1.692	2.680	1.0	21.0
3 2	10 15.01	+13 7.3	1.723	2.703	4.0	21.3
3 12	10 6.66	+13 55.5	1.783	2.726	8.2	21.6
3 22	10 0.17	+14 30.5	1.868	2.748	11.9	21.9
4 1	9 56.06	+14 50.5	1.975	2.769	14.9	22.1

64859 2001 YM_{46} 2 23.1 204°.74 2°.5/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.73	+13 52.6	1.690	2.542	13.7	19.5
2 1	10 42.79	+14 45.7	1.616	2.539	9.8	19.2
2 11	10 34.46	+15 46.7	1.567	2.535	5.5	18.9
2 21	10 24.56	+16 47.9	1.546	2.531	2.5	18.7
3 2	10 14.27	+17 41.4	1.553	2.526	5.4	18.9
3 12	10 4.88	+18 20.9	1.588	2.521	9.8	19.2
3 22	9 57.44	+18 42.8	1.647	2.516	13.8	19.4
4 1	9 52.65	+18 46.5	1.727	2.510	17.1	19.6

57804 2001 VQ_{118} 2 23.1 143°.81 4°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.01	+22 3.2	2.239	3.089	10.8	19.1
2 1	10 41.71	+23 7.7	2.182	3.100	7.9	18.9
2 11	10 33.59	+24 10.7	2.153	3.110	5.3	18.8
2 21	10 24.38	+25 5.4	2.152	3.120	4.5	18.7
3 2	10 15.01	+25 46.0	2.181	3.129	6.4	18.9
3 12	10 6.47	+26 9.0	2.239	3.137	9.2	19.0
3 22	9 59.52	+26 13.7	2.321	3.145	11.9	19.2
4 1	9 54.70	+26 1.4	2.424	3.152	14.2	19.4

417003 2005 TD_{189} 2 23.1 156°.49 0°.7/23.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.80	+ 6 8.1	1.969	2.800	12.9	22.4
2 1	10 40.30	+ 6 32.4	1.894	2.803	9.5	22.2
2 11	10 32.89	+ 7 8.8	1.844	2.806	5.5	21.9
2 21	10 24.27	+ 7 53.2	1.821	2.809	1.4	21.6
3 2	10 15.37	+ 8 40.3	1.828	2.811	3.2	21.8
3 12	10 7.23	+ 9 24.2	1.864	2.814	7.3	22.0
3 22	10 0.66	+10 0.5	1.926	2.816	11.1	22.3
4 1	9 56.26	+10 26.2	2.011	2.817	14.2	22.5

132148 2002 CW_{284} 2 23.1 170°.11 1°.1/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.93	+ 5 47.5	2.111	2.935	12.4	20.4
2 1	10 41.02	+ 5 53.7	2.032	2.937	9.2	20.2
2 11	10 33.25	+ 6 10.5	1.979	2.939	5.5	20.0
2 21	10 24.33	+ 6 35.0	1.954	2.940	1.7	19.7
3 2	10 15.14	+ 7 3.1	1.958	2.941	3.1	19.8
3 12	10 6.66	+ 7 30.1	1.992	2.942	6.9	20.1
3 22	9 59.69	+ 7 52.4	2.053	2.942	10.5	20.3
4 1	9 54.79	+ 8 7.0	2.137	2.943	13.5	20.5

203034 2000 BY_{48} 2 23.1 190.°07 1.°0/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.85	+10 55.4	2.465	3.303	10.4	21.0
2 1	10 38.63	+11 39.8	2.386	3.302	7.4	20.8
2 11	10 31.85	+12 31.3	2.334	3.300	4.1	20.6
2 21	10 24.09	+13 25.5	2.311	3.299	1.0	20.4
3 2	10 16.08	+14 17.2	2.319	3.297	3.4	20.5
3 12	10 8.65	+15 1.9	2.356	3.294	6.8	20.8
3 22	10 2.45	+15 36.3	2.421	3.291	9.9	20.9
4 1	9 58.01	+15 58.5	2.509	3.288	12.5	21.1

465954 2011 BX_{49} 2 23.1 92.°82 2.°1/21.6 18

1 22	10 50.34	+15 32.6	1.888	2.735	12.7	21.4
2 1	10 43.52	+15 49.3	1.827	2.747	9.1	21.2
2 11	10 34.65	+16 8.8	1.792	2.759	5.1	21.0
2 21	10 24.58	+16 26.0	1.785	2.770	2.2	20.8
3 2	10 14.39	+16 36.0	1.807	2.782	4.6	21.0
3 12	10 5.21	+16 35.4	1.858	2.793	8.5	21.3
3 22	9 57.89	+16 23.1	1.935	2.804	12.0	21.5
4 1	9 52.99	+15 59.2	2.033	2.815	14.9	21.7

57708 2001 UV_{119} 2 23.1 34.°68 1.°1/22.2 18

1 22	10 43.01	+11 4.5	1.909	2.759	12.4	18.4
2 1	10 38.28	+11 41.7	1.849	2.770	8.8	18.2
2 11	10 31.72	+12 26.8	1.813	2.781	4.9	18.0
2 21	10 24.06	+13 14.6	1.806	2.793	1.2	17.8
3 2	10 16.25	+13 58.9	1.827	2.806	3.9	18.0
3 12	10 9.26	+14 34.7	1.876	2.819	7.8	18.3
3 22	10 3.86	+14 58.6	1.950	2.832	11.3	18.5
4 1	10 0.56	+15 9.1	2.046	2.845	14.3	18.7

208042 1999 RR_{185} 2 23.1 180.°15 0.°8/22.5 18

1 22	10 49.39	+10 40.6	1.881	2.720	13.1	20.8
2 1	10 43.00	+11 5.4	1.806	2.721	9.4	20.6
2 11	10 34.46	+11 38.6	1.756	2.722	5.3	20.3
2 21	10 24.57	+12 15.1	1.734	2.722	1.0	20.0
3 2	10 14.38	+12 49.2	1.742	2.722	3.9	20.2
3 12	10 5.02	+13 15.9	1.779	2.721	8.2	20.5
3 22	9 57.44	+13 31.8	1.841	2.720	12.1	20.7
4 1	9 52.27	+13 35.4	1.926	2.718	15.3	20.9

322427 2011 ST_{181} 2 23.1 320.°10 3.°8/25.8 18

1 22	10 44.85	− 0 21.8	1.382	2.212	17.4	20.2
2 1	10 40.40	− 0 20.4	1.304	2.205	13.5	20.0
2 11	10 33.31	+ 0 4.3	1.246	2.198	8.9	19.7
2 21	10 24.41	+ 0 50.1	1.212	2.192	4.7	19.4
3 2	10 14.96	+ 1 51.2	1.204	2.186	4.8	19.4
3 12	10 6.41	+ 2 58.8	1.222	2.180	9.3	19.6
3 22	9 59.96	+ 4 3.8	1.263	2.174	14.0	19.9
4 1	9 56.44	+ 4 58.7	1.324	2.169	18.1	20.1

367483 2009 FX_{39} 2 23.1 271.°43 4.°0/19.8 17

1 22	10 47.48	+17 28.0	1.685	2.544	13.3	21.3
2 1	10 42.10	+18 33.5	1.601	2.526	9.7	21.1
2 11	10 34.22	+19 44.9	1.541	2.507	5.9	20.8
2 21	10 24.58	+20 53.6	1.508	2.488	4.1	20.6
3 2	10 14.34	+21 50.7	1.504	2.468	6.8	20.8
3 12	10 4.88	+22 29.3	1.526	2.448	11.0	20.9
3 22	9 57.32	+22 46.1	1.571	2.428	15.0	21.1
4 1	9 52.51	+22 41.3	1.636	2.408	18.4	21.3

224183 2005 QZ_{174} 2 23.1 189.°82 0.°6/22.6 16

1 22	10 48.91	+11 7.5	2.532	3.360	10.5	21.4
2 1	10 42.21	+11 26.4	2.448	3.358	7.5	21.2
2 11	10 33.87	+11 50.9	2.392	3.356	4.2	21.0
2 21	10 24.48	+12 17.4	2.366	3.354	0.8	20.7
3 2	10 14.84	+12 41.9	2.371	3.350	3.1	20.9
3 12	10 5.82	+13 0.8	2.407	3.346	6.6	21.1
3 22	9 58.12	+13 11.8	2.471	3.340	9.7	21.3
4 1	9 52.27	+13 13.6	2.559	3.334	12.4	21.5

428364 2007 RH_{96} 2 23.1 102.°17 1.°5/24.8 17

1 22	10 41.77	+ 1 56.1	2.266	3.082	12.0	21.4
2 1	10 37.20	+ 2 38.4	2.192	3.090	8.9	21.3
2 11	10 31.07	+ 3 35.2	2.143	3.098	5.5	21.1
2 21	10 23.98	+ 4 42.7	2.122	3.106	2.1	20.8
3 2	10 16.68	+ 5 55.5	2.131	3.114	2.8	20.9
3 12	10 10.00	+ 7 7.3	2.170	3.122	6.3	21.1
3 22	10 4.60	+ 8 13.0	2.236	3.129	9.6	21.4
4 1	10 0.98	+ 9 8.3	2.326	3.137	12.4	21.6

234364 2001 OU_{28} 2 23.1 188.°79 3.°8/19.1 18

1 22	10 46.44	+21 53.3	2.509	3.357	9.8	20.9
2 1	10 40.50	+22 38.0	2.439	3.357	7.2	20.7
2 11	10 32.90	+23 21.5	2.397	3.356	4.7	20.5
2 21	10 24.31	+23 58.2	2.384	3.355	3.9	20.5
3 2	10 15.51	+24 23.5	2.401	3.353	5.6	20.6
3 12	10 7.39	+24 34.5	2.447	3.351	8.3	20.7
3 22	10 0.64	+24 30.3	2.518	3.349	10.9	20.9
4 1	9 55.79	+24 11.7	2.611	3.346	13.1	21.1

324511 2006 VH_{45} 2 23.1 91.°67 5.°1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.22	+21 29.1	1.695	2.555	13.2	21.0
2 1	10 42.99	+22 33.7	1.645	2.568	9.6	20.8
2 11	10 34.46	+23 36.7	1.620	2.581	6.3	20.6
2 21	10 24.58	+24 29.6	1.623	2.594	5.2	20.6
3 2	10 14.58	+25 5.2	1.653	2.607	7.5	20.7
3 12	10 5.73	+25 19.6	1.710	2.619	10.9	20.9
3 22	9 58.95	+25 12.6	1.790	2.632	14.1	21.2
4 1	9 54.81	+24 46.5	1.889	2.644	16.9	21.4

16632 1993 OH_4 2 23.1 272.°99 0.°9/22.5 18

1 22	10 47.09	+ 9 44.2	1.471	2.324	15.2	19.4
2 1	10 41.92	+10 22.9	1.394	2.316	11.1	19.1
2 11	10 34.13	+11 14.9	1.340	2.308	6.2	18.8
2 21	10 24.57	+12 13.6	1.312	2.300	1.2	18.5
3 2	10 14.49	+13 10.7	1.311	2.292	4.7	18.7
3 12	10 5.34	+13 58.2	1.337	2.284	9.9	19.0
3 22	9 58.29	+14 30.7	1.386	2.276	14.5	19.2
4 1	9 54.13	+14 45.7	1.455	2.268	18.4	19.4

503074 2015 FN_{247} 2 23.1 41.°27 0.°2/23.3 18

1 22	10 41.12	+ 5 52.7	2.027	2.864	12.4	21.0
2 1	10 36.90	+ 6 51.4	1.957	2.870	9.0	20.8
2 11	10 30.97	+ 8 3.7	1.912	2.876	5.1	20.5
2 21	10 23.97	+ 9 23.9	1.894	2.882	1.0	20.2
3 2	10 16.75	+10 45.2	1.907	2.889	3.2	20.4
3 12	10 10.20	+12 0.7	1.948	2.896	7.2	20.7
3 22	10 5.06	+13 4.9	2.015	2.903	10.7	20.9
4 1	10 1.89	+13 54.4	2.106	2.910	13.8	21.1

414777 2010 PX_{60} 2 23.1 193.°98 0.°7/23.7 18

1 22	10 48.60	+ 6 43.2	1.922	2.751	13.3	21.5
2 1	10 42.43	+ 6 57.5	1.841	2.749	9.7	21.3
2 11	10 34.17	+ 7 23.2	1.786	2.747	5.7	21.0
2 21	10 24.56	+ 7 56.6	1.758	2.745	1.4	20.7
3 2	10 14.60	+ 8 32.6	1.759	2.742	3.4	20.8
3 12	10 5.41	+ 9 5.8	1.790	2.738	7.7	21.1
3 22	9 57.89	+ 9 32.1	1.847	2.734	11.6	21.3
4 1	9 52.70	+ 9 48.4	1.926	2.730	14.9	21.5

64910 2001 YS_{91} 2 23.1 92.°63 0.°1/23.1 18

1 22	10 49.03	+ 7 19.0	1.525	2.367	15.4	19.3
2 1	10 42.89	+ 8 0.7	1.472	2.388	11.1	19.1
2 11	10 34.43	+ 8 56.3	1.443	2.408	6.3	18.9
2 21	10 24.59	+ 9 58.8	1.440	2.429	1.1	18.6
3 2	10 14.65	+11 0.5	1.466	2.448	4.0	18.8
3 12	10 5.87	+11 53.8	1.519	2.468	8.8	19.2
3 22	9 59.21	+12 33.9	1.597	2.486	13.0	19.5
4 1	9 55.24	+12 58.4	1.696	2.505	16.4	19.7

425059 2009 QC_{62} 2 23.1 244.°15 7.°4/29.4 17

1 22	10 46.43	−12 16.9	2.176	2.913	14.9	21.3
2 1	10 40.90	−12 52.7	2.073	2.898	12.6	21.1
2 11	10 33.38	−13 6.8	1.991	2.882	10.2	20.9
2 21	10 24.45	−12 57.4	1.934	2.866	8.1	20.8
3 2	10 14.98	−12 25.2	1.905	2.849	7.4	20.7
3 12	10 5.98	−11 34.0	1.903	2.832	8.7	20.8
3 22	9 58.36	−10 30.1	1.927	2.815	11.2	20.9
4 1	9 52.84	− 9 20.7	1.975	2.796	13.9	21.0

461956 2006 TO_{90} 2 23.1 93.°15 0.°4/22.8 18

1 22	10 47.61	+ 9 15.1	1.729	2.571	13.8	21.4
2 1	10 41.74	+ 9 44.7	1.667	2.584	10.0	21.2
2 11	10 33.75	+10 24.5	1.631	2.597	5.6	21.0
2 21	10 24.49	+11 9.2	1.622	2.610	1.0	20.7
3 2	10 15.05	+11 52.3	1.641	2.622	3.9	20.9
3 12	10 6.58	+12 28.0	1.689	2.635	8.3	21.2
3 22	9 59.98	+12 52.6	1.761	2.647	12.1	21.5
4 1	9 55.82	+13 4.1	1.856	2.659	15.4	21.7

33982 2000 NQ_{23} 2 23.1 215.°38 2.°4/25.3 18 R

1 22	10 48.30	+ 1 29.5	2.530	3.327	11.4	19.3
2 1	10 41.87	+ 1 22.5	2.432	3.317	8.7	19.1
2 11	10 33.75	+ 1 26.8	2.360	3.307	5.7	18.9
2 21	10 24.51	+ 1 41.0	2.317	3.296	2.9	18.7
3 2	10 14.91	+ 2 2.5	2.305	3.284	3.2	18.7
3 12	10 5.81	+ 2 27.5	2.324	3.272	6.2	18.9
3 22	9 57.94	+ 2 52.5	2.372	3.259	9.4	19.1
4 1	9 51.90	+ 3 13.9	2.444	3.245	12.2	19.2

285794 2000 WH_{155} 2 23.2 142.°61 0.°3/23.4 18

1 22	10 50.02	+ 7 31.0	1.909	2.738	13.3	21.2
2 1	10 43.35	+ 7 51.9	1.840	2.749	9.7	21.0
2 11	10 34.63	+ 8 23.4	1.797	2.760	5.6	20.7
2 21	10 24.67	+ 9 1.2	1.783	2.771	1.1	20.4
3 2	10 14.51	+ 9 39.9	1.798	2.780	3.4	20.6
3 12	10 5.23	+10 14.1	1.843	2.789	7.6	20.9
3 22	9 57.73	+10 39.9	1.914	2.797	11.4	21.1
4 1	9 52.57	+10 55.0	2.007	2.805	14.6	21.4

208525 2001 XG_{223} 2 23.2 172°.19 0°.1/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.34	+ 8 16.6	2.733	3.560	9.8	21.1
2 1	10 38.13	+ 8 42.2	2.654	3.562	7.1	20.9
2 11	10 31.55	+ 9 15.3	2.601	3.564	4.0	20.7
2 21	10 24.12	+ 9 52.5	2.578	3.566	0.7	20.4
3 2	10 16.49	+10 30.0	2.586	3.567	2.6	20.6
3 12	10 9.38	+11 4.1	2.624	3.568	5.8	20.8
3 22	10 3.38	+11 31.8	2.689	3.569	8.7	21.0
4 1	9 58.95	+11 51.0	2.780	3.569	11.2	21.2

203784 2002 TJ_{3} 2 23.2 178°.25 1°.1/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.34	+11 54.8	2.531	3.369	10.1	20.8
2 1	10 38.96	+12 31.3	2.454	3.370	7.2	20.6
2 11	10 32.05	+13 13.7	2.404	3.371	4.0	20.4
2 21	10 24.21	+13 57.6	2.384	3.371	1.1	20.2
3 2	10 16.15	+14 38.6	2.395	3.372	3.4	20.4
3 12	10 8.67	+15 12.5	2.435	3.371	6.6	20.6
3 22	10 2.42	+15 36.6	2.502	3.371	9.6	20.8
4 1	9 57.89	+15 49.4	2.593	3.370	12.2	20.9

360416 2002 GA_{115} 2 23.2 193°.67 9°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 57.30	+39 6.4	2.209	3.029	12.1	21.3
2 1	10 48.83	+40 25.9	2.157	3.027	10.4	21.1
2 11	10 37.81	+41 30.0	2.131	3.024	9.5	21.1
2 21	10 25.25	+42 10.1	2.131	3.020	9.8	21.1
3 2	10 12.48	+42 20.4	2.158	3.015	11.2	21.2
3 12	10 0.89	+42 0.0	2.209	3.010	13.1	21.3
3 22	9 51.56	+41 12.3	2.282	3.003	15.1	21.4
4 1	9 45.12	+40 2.7	2.372	2.996	16.8	21.6

31497 1999 CW_{61} 2 23.2 111°.03 4°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.77	− 4 19.3	2.028	2.809	14.4	18.7
2 1	10 42.33	− 4 38.2	1.960	2.828	11.4	18.5
2 11	10 34.01	− 4 38.7	1.916	2.846	8.1	18.3
2 21	10 24.57	− 4 21.8	1.898	2.863	5.3	18.2
3 2	10 14.94	− 3 50.7	1.910	2.880	4.9	18.2
3 12	10 6.14	− 3 10.4	1.951	2.897	7.3	18.4
3 22	9 58.96	− 2 26.6	2.018	2.913	10.4	18.6
4 1	9 53.97	− 1 44.8	2.109	2.929	13.2	18.8

132314 2002 GH_{16} 2 23.2 183°.77 0°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.78	+ 7 32.8	1.835	2.672	13.4	20.4
2 1	10 41.21	+ 8 19.5	1.759	2.672	9.8	20.2
2 11	10 33.54	+ 9 19.2	1.708	2.673	5.5	19.9
2 21	10 24.50	+10 26.3	1.684	2.672	1.0	19.6
3 2	10 15.12	+11 33.6	1.690	2.671	3.7	19.8
3 12	10 6.52	+12 34.2	1.724	2.670	8.2	20.1
3 22	9 59.62	+13 22.7	1.784	2.668	12.1	20.3
4 1	9 55.08	+13 56.3	1.866	2.665	15.5	20.5

451052 2008 YU_{104} 2 23.2 19°.70 4°.2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.50	+ 1 45.5	1.053	1.906	19.9	20.6
2 1	10 41.19	+ 1 15.1	0.999	1.913	15.2	20.3
2 11	10 33.84	+ 1 8.0	0.964	1.923	9.9	20.1
2 21	10 24.57	+ 1 22.1	0.951	1.933	5.0	19.8
3 2	10 14.98	+ 1 51.8	0.962	1.945	5.4	19.9
3 12	10 6.81	+ 2 28.3	0.996	1.958	10.3	20.2
3 22	10 1.29	+ 3 3.0	1.052	1.972	15.2	20.5
4 1	9 59.14	+ 3 29.4	1.126	1.988	19.5	20.8

251089 2006 SR_{139} 2 23.2 163°.30 2°.0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.44	+13 14.6	2.073	2.917	11.8	21.6
2 1	10 41.46	+14 8.9	2.004	2.923	8.4	21.4
2 11	10 33.58	+15 9.8	1.961	2.928	4.7	21.2
2 21	10 24.51	+16 10.9	1.947	2.932	2.0	21.0
3 2	10 15.19	+17 5.9	1.963	2.936	4.5	21.2
3 12	10 6.65	+17 49.3	2.008	2.939	8.2	21.4
3 22	9 59.69	+18 18.4	2.079	2.942	11.6	21.6
4 1	9 54.89	+18 32.0	2.172	2.944	14.4	21.8

522460 2016 CJ_{321} 2 23.2 262°.26 7°.7/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.90	−11 20.4	1.952	2.704	15.9	21.0
2 1	10 40.66	−12 3.6	1.859	2.694	13.4	20.8
2 11	10 33.31	−12 24.1	1.786	2.684	10.7	20.6
2 21	10 24.49	−12 19.8	1.738	2.674	8.4	20.4
3 2	10 15.15	−11 51.4	1.716	2.664	7.7	20.4
3 12	10 6.38	−11 3.3	1.720	2.654	9.1	20.4
3 22	9 59.16	−10 2.2	1.750	2.643	11.8	20.5
4 1	9 54.21	− 8 56.0	1.803	2.633	14.7	20.7

347443 2012 TE_{189} 2 23.2 150°.36 1°.2/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.52	+ 3 35.5	2.657	3.470	10.5	21.9
2 1	10 37.57	+ 4 4.2	2.578	3.476	7.8	21.7
2 11	10 31.25	+ 4 43.8	2.526	3.482	4.7	21.5
2 21	10 24.08	+ 5 31.3	2.503	3.488	1.7	21.3
3 2	10 16.73	+ 6 22.5	2.511	3.493	2.5	21.4
3 12	10 9.90	+ 7 13.1	2.549	3.498	5.6	21.6
3 22	10 4.19	+ 7 59.0	2.615	3.503	8.5	21.8
4 1	10 0.05	+ 8 37.3	2.705	3.507	11.1	22.0

402030 2003 SH_{173} 2 23.2 111°.31 1°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.02	+12 26.1	1.802	2.648	13.2	21.5
2 1	10 42.67	+13 20.2	1.748	2.667	9.4	21.3
2 11	10 34.25	+14 21.6	1.719	2.686	5.2	21.1
2 21	10 24.62	+15 23.1	1.719	2.705	1.9	20.9
3 2	10 14.88	+16 17.7	1.748	2.723	4.6	21.1
3 12	10 6.15	+16 59.8	1.805	2.740	8.7	21.4
3 22	9 59.29	+17 26.5	1.888	2.757	12.3	21.6
4 1	9 54.84	+17 37.1	1.992	2.773	15.2	21.9

8180 1992 PY_{2} 2 23.2 85°.93 6°.7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.34	− 7 47.1	1.832	2.603	16.1	16.7
2 1	10 42.30	− 8 32.6	1.760	2.615	13.1	16.5
2 11	10 34.13	− 8 56.4	1.711	2.626	10.0	16.3
2 21	10 24.63	− 8 57.7	1.686	2.637	7.4	16.2
3 2	10 14.82	− 8 38.1	1.689	2.648	6.8	16.2
3 12	10 5.86	− 8 2.7	1.719	2.659	8.6	16.3
3 22	9 58.65	− 7 18.1	1.775	2.670	11.5	16.5
4 1	9 53.83	− 6 31.2	1.853	2.681	14.4	16.7

468549 2006 SK_{213} 2 23.2 179°.65 4°.7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.76	−10 48.1	3.068	3.800	11.0	22.0
2 1	10 36.94	−10 43.2	2.974	3.801	9.1	21.9
2 11	10 30.88	−10 21.5	2.905	3.802	7.1	21.7
2 21	10 24.03	− 9 43.8	2.862	3.803	5.3	21.6
3 2	10 16.97	− 8 52.1	2.849	3.802	4.7	21.6
3 12	10 10.33	− 7 50.3	2.865	3.802	5.8	21.6
3 22	10 4.63	− 6 43.0	2.910	3.801	7.7	21.8
4 1	10 0.32	− 5 35.1	2.982	3.799	9.8	21.9

165746 2001 QH_{171} 2 23.2 139°.08 3°.8/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.86	− 5 2.4	2.581	3.355	11.8	20.5
2 1	10 37.86	− 4 56.5	2.500	3.363	9.4	20.3
2 11	10 31.44	− 4 34.5	2.443	3.371	6.7	20.2
2 21	10 24.13	− 3 58.0	2.414	3.378	4.4	20.0
3 2	10 16.63	− 3 9.9	2.414	3.386	4.0	20.0
3 12	10 9.66	− 2 14.9	2.444	3.392	5.9	20.2
3 22	10 3.84	− 1 18.0	2.502	3.399	8.5	20.3
4 1	9 59.65	− 0 23.7	2.585	3.405	11.1	20.5

405376 2004 BJ_{69} 2 23.2 26°.80 2°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.85	+11 26.6	1.188	2.063	16.5	19.9
2 1	10 38.31	+12 55.9	1.141	2.075	11.7	19.7
2 11	10 32.10	+14 38.8	1.116	2.087	6.5	19.4
2 21	10 24.27	+16 23.5	1.115	2.101	2.8	19.2
3 2	10 16.22	+17 57.1	1.141	2.116	6.4	19.5
3 12	10 9.43	+19 9.4	1.190	2.132	11.4	19.8
3 22	10 4.97	+19 55.8	1.262	2.149	15.8	20.1
4 1	10 3.44	+20 15.7	1.351	2.167	19.4	20.4

208175 2000 QA_{29} 2 23.2 128°.10 1°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.81	+11 9.5	1.893	2.731	13.1	21.3
2 1	10 43.89	+11 45.2	1.833	2.748	9.3	21.1
2 11	10 34.93	+12 28.5	1.799	2.765	5.2	20.9
2 21	10 24.77	+13 13.8	1.794	2.781	1.2	20.7
3 2	10 14.47	+13 54.9	1.818	2.797	4.0	20.9
3 12	10 5.16	+14 26.8	1.872	2.811	8.1	21.2
3 22	9 57.68	+14 46.7	1.952	2.825	11.7	21.4
4 1	9 52.59	+14 53.3	2.054	2.838	14.7	21.7

52556 1997 ET_{35} 2 23.2 90°.92 0°.1/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.79	+ 8 48.6	2.395	3.226	10.9	19.1
2 1	10 39.26	+ 9 7.1	2.330	3.241	7.8	18.9
2 11	10 32.21	+ 9 33.0	2.291	3.255	4.4	18.8
2 21	10 24.28	+10 2.8	2.281	3.269	0.8	18.5
3 2	10 16.22	+10 32.5	2.301	3.283	2.8	18.7
3 12	10 8.84	+10 58.2	2.351	3.297	6.3	18.9
3 22	10 2.78	+11 17.0	2.428	3.310	9.4	19.1
4 1	9 58.50	+11 27.2	2.529	3.324	12.0	19.3

258742 2002 GM_{159} 2 23.2 305°.47 4°.1/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.00	− 1 47.0	1.511	2.329	16.8	20.5
2 1	10 40.36	− 1 44.1	1.430	2.324	13.1	20.3
2 11	10 33.27	− 1 18.1	1.372	2.319	8.9	20.0
2 21	10 24.52	− 0 30.8	1.337	2.314	5.0	19.8
3 2	10 15.27	+ 0 32.3	1.330	2.309	4.8	19.7
3 12	10 6.86	+ 1 43.1	1.348	2.305	8.7	20.0
3 22	10 0.39	+ 2 52.6	1.391	2.301	13.1	20.2
4 1	9 56.62	+ 3 53.6	1.456	2.296	17.0	20.4

452608 2005 PU 2 23.2 180°.50 2°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.21	+12 52.9	1.813	2.659	13.2	22.4
2 1	10 43.05	+14 7.6	1.741	2.661	9.4	22.2
2 11	10 34.63	+15 31.4	1.695	2.662	5.3	21.9
2 21	10 24.75	+16 56.2	1.678	2.662	2.4	21.7
3 2	10 14.51	+18 13.3	1.690	2.662	5.3	21.9
3 12	10 5.12	+19 15.6	1.731	2.660	9.4	22.1
3 22	9 57.55	+19 59.1	1.797	2.658	13.2	22.4
4 1	9 52.49	+20 22.8	1.885	2.654	16.4	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
385497 2004 *DD*			2 23.2 91°.51	6°.9/20.8 18		
	h m	° ′			°	m
1 22	11 22.86	+20 58.1	0.900	1.746	23.1	20.9
2 1	11 7.48	+22 11.5	0.885	1.800	16.6	20.7
2 11	10 47.99	+23 15.9	0.892	1.852	10.2	20.5
2 21	10 26.99	+23 55.1	0.925	1.901	6.9	20.5
3 2	10 7.50	+24 0.9	0.985	1.947	10.0	20.9
3 12	9 51.91	+23 35.3	1.071	1.990	14.9	21.3
3 22	9 41.25	+22 46.4	1.179	2.030	19.3	21.7
4 1	9 35.54	+21 42.5	1.303	2.068	22.6	22.0
407778 2011 WA_{129}			2 23.2 163°.88	2°.3/25.2 18		
1 22	10 47.52	+ 1 15.4	1.909	2.721	14.0	22.5
2 1	10 41.66	+ 1 36.2	1.832	2.727	10.6	22.3
2 11	10 33.77	+ 2 13.8	1.779	2.732	6.7	22.0
2 21	10 24.59	+ 3 4.8	1.754	2.736	3.0	21.8
3 2	10 15.11	+ 4 3.9	1.757	2.739	3.5	21.8
3 12	10 6.40	+ 5 4.5	1.790	2.742	7.4	22.1
3 22	9 59.34	+ 6 0.4	1.850	2.744	11.2	22.3
4 1	9 54.54	+ 6 46.9	1.932	2.746	14.5	22.5
402533 2006 EU_{74}			2 23.2 230°.68	1°.7/21.8 17		
1 22	10 48.12	+11 53.1	1.710	2.558	13.7	22.0
2 1	10 42.44	+12 40.0	1.629	2.550	9.9	21.7
2 11	10 34.38	+13 36.6	1.574	2.542	5.5	21.5
2 21	10 24.72	+14 36.5	1.546	2.533	1.7	21.2
3 2	10 14.61	+15 31.9	1.546	2.523	4.8	21.4
3 12	10 5.30	+16 16.0	1.574	2.513	9.4	21.6
3 22	9 57.86	+16 44.5	1.627	2.503	13.5	21.8
4 1	9 53.03	+16 55.9	1.701	2.492	17.0	22.0
242975 2006 SG_{126}			2 23.2 213°.66	2°.5/20.2 17		
1 22	10 42.55	+15 43.7	2.453	3.303	10.0	20.5
2 1	10 37.80	+16 48.2	2.378	3.300	7.1	20.3
2 11	10 31.49	+17 57.2	2.330	3.297	4.1	20.1
2 21	10 24.18	+19 4.9	2.312	3.293	2.5	20.0
3 2	10 16.61	+20 5.5	2.324	3.290	4.6	20.1
3 12	10 9.60	+20 54.3	2.365	3.286	7.7	20.3
3 22	10 3.84	+21 28.6	2.432	3.283	10.5	20.5
4 1	9 59.83	+21 47.4	2.521	3.279	13.0	20.6
18842 1999 RB_{22}			2 23.2 333°.61	3°.6/20.4 18	R	
1 22	10 47.74	+18 21.2	1.772	2.630	12.8	17.1
2 1	10 42.02	+18 56.3	1.702	2.626	9.3	16.9
2 11	10 34.04	+19 33.2	1.657	2.623	5.6	16.6
2 21	10 24.65	+20 5.1	1.639	2.619	3.6	16.5
3 2	10 14.96	+20 25.8	1.649	2.616	6.0	16.6
3 12	10 6.19	+20 31.0	1.686	2.613	9.8	16.9
3 22	9 59.31	+20 19.6	1.748	2.611	13.4	17.1
4 1	9 54.95	+19 52.3	1.830	2.609	16.5	17.3
389686 2011 QR_{28}			2 23.2 169°.25	0°.9/24.1 17		
1 22	10 44.81	+ 6 3.6	2.744	3.560	10.1	21.3
2 1	10 39.19	+ 6 9.4	2.662	3.563	7.4	21.1
2 11	10 32.17	+ 6 23.2	2.607	3.565	4.4	20.9
2 21	10 24.30	+ 6 42.7	2.581	3.567	1.4	20.7
3 2	10 16.23	+ 7 4.7	2.586	3.569	2.5	20.8
3 12	10 8.68	+ 7 26.0	2.622	3.570	5.6	21.0
3 22	10 2.26	+ 7 43.8	2.686	3.571	8.5	21.2
4 1	9 57.43	+ 7 55.8	2.775	3.572	11.0	21.4
463237 2012 ES_{11}			2 23.2 78°.16	10°.0/17.6 18		
1 22	11 5.04	+37 30.2	1.714	2.540	14.8	20.6
2 1	10 54.50	+38 2.0	1.665	2.547	12.3	20.5
2 11	10 40.96	+38 13.9	1.640	2.554	10.4	20.4
2 21	10 25.85	+37 56.8	1.642	2.562	10.1	20.4
3 2	10 10.98	+37 6.3	1.670	2.569	11.6	20.5
3 12	9 58.07	+35 44.6	1.725	2.577	13.9	20.6
3 22	9 48.22	+33 58.7	1.802	2.584	16.5	20.8
4 1	9 41.91	+31 56.7	1.899	2.591	18.7	21.0
496323 2013 JY_{60}			2 23.2 270°.58	1°.6/21.9 17		
1 22	10 46.97	+11 31.5	1.689	2.539	13.7	22.1
2 1	10 41.73	+12 16.5	1.600	2.521	10.0	21.9
2 11	10 34.06	+13 12.3	1.535	2.503	5.6	21.6
2 21	10 24.69	+14 12.8	1.497	2.485	1.7	21.3
3 2	10 14.73	+15 9.9	1.488	2.466	4.8	21.4
3 12	10 5.48	+15 56.5	1.506	2.447	9.6	21.7
3 22	9 58.05	+16 27.8	1.549	2.428	13.9	21.9
4 1	9 53.26	+16 41.5	1.612	2.409	17.6	22.1
451038 2008 XV_{29}			2 23.2 104°.48	3°.0/20.8 18		
1 22	10 49.43	+14 24.6	1.533	2.390	14.5	21.3
2 1	10 43.31	+15 30.6	1.481	2.406	10.3	21.1
2 11	10 34.77	+16 43.4	1.453	2.421	5.9	20.9
2 21	10 24.78	+17 53.9	1.452	2.436	3.0	20.7
3 2	10 14.63	+18 53.3	1.479	2.451	5.9	21.0
3 12	10 5.65	+19 35.3	1.533	2.465	10.2	21.2
3 22	9 58.84	+19 57.3	1.611	2.479	14.1	21.5
4 1	9 54.81	+19 59.6	1.709	2.492	17.3	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
431490 2007 TR_{61}			2 23.2 87°.24	1°.8/25.0 17		
	h m	° ′			°	m
1 22	10 43.08	+ 2 11.5	2.259	3.074	12.0	21.4
2 1	10 38.14	+ 2 34.9	2.190	3.087	9.0	21.3
2 11	10 31.65	+ 3 11.8	2.146	3.100	5.6	21.1
2 21	10 24.21	+ 3 58.7	2.130	3.113	2.3	20.9
3 2	10 16.60	+ 4 51.1	2.143	3.126	2.9	20.9
3 12	10 9.65	+ 5 43.8	2.186	3.138	6.2	21.2
3 22	10 4.02	+ 6 32.1	2.256	3.151	9.4	21.4
4 1	10 0.21	+ 7 12.3	2.350	3.163	12.2	21.6
173115 3145 $T\text{-}_3$			2 23.2 183°.85	5°.6/16.5 17		
1 22	10 49.18	+30 25.6	2.823	3.661	9.2	21.0
2 1	10 42.41	+31 18.6	2.762	3.661	7.3	20.9
2 11	10 34.01	+32 4.6	2.728	3.661	5.9	20.8
2 21	10 24.63	+32 38.2	2.724	3.660	5.8	20.8
3 2	10 15.10	+32 55.2	2.748	3.659	7.1	20.8
3 12	10 6.27	+32 53.8	2.801	3.657	9.0	21.0
3 22	9 58.84	+32 34.5	2.878	3.654	11.1	21.1
4 1	9 53.31	+31 59.4	2.976	3.651	12.8	21.2
508742 2017 UF_{33}			2 23.2 237°.94	4°.3/18.6 17		
1 22	10 46.05	+23 18.8	2.490	3.340	9.9	21.3
2 1	10 40.33	+24 6.4	2.416	3.333	7.3	21.2
2 11	10 32.92	+24 52.1	2.369	3.325	5.0	21.0
2 21	10 24.45	+25 30.1	2.352	3.317	4.4	20.9
3 2	10 15.73	+25 55.6	2.363	3.309	6.1	21.0
3 12	10 7.66	+26 5.5	2.403	3.301	8.7	21.2
3 22	10 0.96	+25 59.1	2.468	3.293	11.3	21.3
4 1	9 56.17	+25 37.2	2.555	3.285	13.5	21.5
299252 2005 MV_{53}			2 23.2 216°.64	7°.4/10.9 17		
1 22	10 49.11	+42 2.7	3.338	4.145	8.7	21.3
2 1	10 42.43	+43 14.7	3.284	4.135	7.7	21.2
2 11	10 34.07	+44 15.0	3.257	4.124	7.4	21.2
2 21	10 24.65	+44 58.2	3.256	4.113	7.7	21.2
3 2	10 14.99	+45 20.6	3.282	4.101	8.7	21.2
3 12	10 5.97	+45 21.1	3.333	4.088	10.0	21.3
3 22	9 58.30	+45 0.8	3.405	4.075	11.4	21.4
4 1	9 52.53	+44 22.5	3.494	4.062	12.5	21.5
283986 2004 RJ_{224}			2 23.2 144°.40	0°.2/23.3 18		
1 22	10 49.51	+ 7 12.6	1.946	2.774	13.1	21.9
2 1	10 42.98	+ 7 47.8	1.878	2.787	9.5	21.7
2 11	10 34.46	+ 8 34.4	1.836	2.799	5.4	21.5
2 21	10 24.73	+ 9 27.4	1.823	2.811	1.0	21.2
3 2	10 14.79	+10 20.6	1.839	2.821	3.4	21.4
3 12	10 5.71	+11 8.3	1.886	2.831	7.6	21.7
3 22	9 58.35	+11 46.1	1.958	2.840	11.3	21.9
4 1	9 53.28	+12 11.6	2.054	2.848	14.4	22.1
438661 2008 EP_6			2 23.2 51°.43	43°.7/ 1.0 16		
1 22	16 1.22	−29 11.1	0.093	0.937	117.7	18.8
2 1	14 5.61	−53 44.0	0.117	0.978	90.1	17.9
2 11	12 3.28	−61 40.5	0.160	1.023	72.6	18.0
2 21	10 36.07	−61 24.9	0.208	1.070	61.8	18.3
3 2	9 47.03	−58 14.0	0.257	1.118	54.6	18.7
3 12	9 23.54	−54 6.4	0.307	1.165	49.5	19.0
3 22	9 15.63	−49 44.7	0.359	1.212	46.0	19.3
4 1	9 17.79	−45 28.2	0.414	1.257	43.7	19.7
188466 2004 KG_{11}			2 23.2 350°.62	4°.1/19.6 18		
1 22	10 42.85	+15 30.3	1.449	2.320	14.4	19.7
2 1	10 38.89	+17 0.8	1.384	2.316	10.3	19.5
2 11	10 32.46	+18 40.3	1.344	2.313	6.1	19.2
2 21	10 24.40	+20 18.1	1.329	2.310	4.1	19.1
3 2	10 15.93	+21 43.1	1.342	2.308	7.2	19.3
3 12	10 8.42	+22 46.5	1.379	2.307	11.5	19.5
3 22	10 2.96	+23 24.4	1.439	2.306	15.5	19.8
4 1	10 0.27	+23 36.7	1.518	2.305	18.9	20.0
69297 1992 DT_8			2 23.2 291°.24	0°.7/23.7 17		
1 22	10 48.80	+ 8 17.0	1.915	2.748	13.1	19.0
2 1	10 42.74	+ 8 5.7	1.823	2.733	9.7	18.7
2 11	10 34.49	+ 8 2.8	1.756	2.719	5.7	18.4
2 21	10 24.77	+ 8 5.5	1.717	2.704	1.4	18.1
3 2	10 14.58	+ 8 10.4	1.707	2.690	3.4	18.2
3 12	10 5.07	+ 8 13.4	1.726	2.675	7.8	18.5
3 22	9 57.22	+ 8 11.5	1.771	2.661	11.8	18.7
4 1	9 51.73	+ 8 2.5	1.838	2.647	15.3	18.9
127255 2002 JX_{42}			2 23.2 261°.69	1°.5/21.7 17		
1 22	10 43.99	+11 36.5	1.990	2.837	12.1	20.0
2 1	10 39.14	+12 28.5	1.912	2.832	8.6	19.8
2 11	10 32.38	+13 29.3	1.859	2.827	4.8	19.5
2 21	10 24.37	+14 33.1	1.835	2.822	1.5	19.3
3 2	10 16.04	+15 33.1	1.840	2.816	4.2	19.5
3 12	10 8.38	+16 23.3	1.873	2.811	8.2	19.7
3 22	10 2.24	+16 59.7	1.931	2.805	11.8	19.9
4 1	9 58.24	+17 20.5	2.012	2.800	14.9	20.1

396831 2004 RJ_{154} 2 23.2 168°.56 2°.6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.57	+ 0 13.3	2.010	2.813	13.7	22.1
2 1	10 42.35	+ 0 29.5	1.930	2.818	10.5	21.8
2 11	10 34.15	+ 1 2.3	1.875	2.823	6.8	21.6
2 21	10 24.70	+ 1 48.9	1.847	2.827	3.3	21.4
3 2	10 14.93	+ 2 44.6	1.850	2.830	3.6	21.4
3 12	10 5.91	+ 3 43.0	1.881	2.833	7.1	21.7
3 22	9 58.48	+ 4 38.3	1.941	2.834	10.8	21.9
4 1	9 53.26	+ 5 25.7	2.023	2.834	14.0	22.1

212035 2005 CU_{45} 2 23.2 255°.50 0°.3/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.66	+ 8 39.8	1.792	2.631	13.6	21.3
2 1	10 42.09	+ 9 8.8	1.701	2.616	9.9	21.0
2 11	10 34.22	+ 9 49.8	1.634	2.600	5.7	20.7
2 21	10 24.74	+10 37.8	1.595	2.583	1.0	20.3
3 2	10 14.73	+11 26.6	1.585	2.566	3.9	20.5
3 12	10 5.38	+12 9.5	1.603	2.549	8.6	20.7
3 22	9 57.76	+12 41.8	1.646	2.531	12.9	21.0
4 1	9 52.64	+13 0.4	1.711	2.513	16.5	21.2

55439 2001 TZ_{84} 2 23.2 4°.13 0°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 39.96	+ 5 36.8	2.647	3.472	10.1	19.4
2 1	10 35.80	+ 5 57.9	2.567	3.473	7.4	19.2
2 11	10 30.31	+ 6 28.3	2.513	3.473	4.4	19.0
2 21	10 24.00	+ 7 5.1	2.487	3.474	1.3	18.8
3 2	10 17.49	+ 7 44.7	2.492	3.475	2.4	18.9
3 12	10 11.48	+ 8 23.0	2.526	3.477	5.6	19.1
3 22	10 6.53	+ 8 56.5	2.587	3.478	8.5	19.3
4 1	10 3.09	+ 9 22.6	2.673	3.481	11.1	19.4

428078 2006 JG_{20} 2 23.2 206°.96 2°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.60	+15 16.7	2.373	3.221	10.3	21.0
2 1	10 38.62	+16 20.7	2.297	3.218	7.4	20.8
2 11	10 31.99	+17 29.6	2.248	3.214	4.3	20.6
2 21	10 24.31	+18 37.6	2.228	3.210	2.5	20.4
3 2	10 16.36	+19 38.7	2.239	3.206	4.6	20.6
3 12	10 8.99	+20 27.9	2.278	3.201	7.8	20.8
3 22	10 2.91	+21 2.4	2.344	3.197	10.8	21.0
4 1	9 58.68	+21 21.1	2.432	3.192	13.4	21.1

135639 2002 JX_{95} 2 23.2 240°.28 1°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.20	+12 19.1	1.830	2.676	13.0	20.7
2 1	10 42.42	+13 0.2	1.745	2.665	9.4	20.5
2 11	10 34.36	+13 49.9	1.685	2.652	5.3	20.2
2 21	10 24.77	+14 42.2	1.653	2.640	1.7	19.9
3 2	10 14.70	+15 30.2	1.650	2.627	4.6	20.1
3 12	10 5.37	+16 7.7	1.675	2.613	9.0	20.3
3 22	9 57.78	+16 30.9	1.725	2.599	13.0	20.5
4 1	9 52.66	+16 38.4	1.796	2.584	16.4	20.7

162054 1996 TF_{42} 2 23.2 194°.89 1°.3/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.91	+10 54.4	2.028	2.866	12.3	20.9
2 1	10 41.94	+11 46.4	1.948	2.864	8.8	20.6
2 11	10 33.97	+12 47.6	1.894	2.861	4.9	20.4
2 21	10 24.69	+13 52.2	1.870	2.857	1.3	20.1
3 2	10 15.05	+14 53.4	1.875	2.852	4.1	20.3
3 12	10 6.12	+15 45.1	1.910	2.847	8.1	20.5
3 22	9 58.78	+16 23.3	1.971	2.841	11.8	20.8
4 1	9 53.66	+16 46.3	2.054	2.834	14.9	21.0

431195 2006 SY_{104} 2 23.2 177°.16 5°.1/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.10	−14 47.4	3.539	4.235	10.3	22.0
2 1	10 37.08	−14 52.7	3.443	4.237	8.8	21.9
2 11	10 30.95	−14 42.1	3.371	4.239	7.1	21.8
2 21	10 24.12	−14 15.7	3.325	4.240	5.7	21.7
3 2	10 17.10	−13 34.8	3.309	4.241	5.1	21.7
3 12	10 10.44	−12 42.4	3.321	4.241	5.7	21.7
3 22	10 4.62	−11 42.3	3.363	4.240	7.2	21.8
4 1	10 0.04	−10 38.9	3.430	4.239	8.8	21.9

258383 2001 XM_{52} 2 23.2 63°.22 2°.2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.86	+11 28.2	1.609	2.460	14.3	19.8
2 1	10 41.85	+12 53.5	1.576	2.499	10.0	19.6
2 11	10 33.78	+14 26.4	1.569	2.537	5.5	19.4
2 21	10 24.61	+15 57.8	1.589	2.575	2.2	19.3
3 2	10 15.52	+17 18.7	1.639	2.613	5.1	19.6
3 12	10 7.63	+18 22.6	1.716	2.650	9.1	19.9
3 22	10 1.75	+19 6.4	1.818	2.687	12.7	20.2
4 1	9 58.33	+19 30.2	1.941	2.723	15.5	20.5

29828 1999 DU_{8} 2 23.2 87°.16 1°.4/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.26	+ 8 58.3	1.434	2.286	15.6	18.8
2 1	10 41.85	+10 17.0	1.383	2.305	11.1	18.6
2 11	10 34.00	+11 49.7	1.355	2.324	6.1	18.4
2 21	10 24.69	+13 27.0	1.354	2.342	1.5	18.1
3 2	10 15.21	+14 58.2	1.381	2.360	5.0	18.4
3 12	10 6.91	+16 14.1	1.436	2.378	9.8	18.7
3 22	10 0.77	+17 9.6	1.514	2.395	14.0	19.0
4 1	9 57.39	+17 43.2	1.612	2.413	17.4	19.3

279702 2011 FN_{88} 2 23.2 200°.73 0°.2/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.69	+ 9 8.6	2.122	2.958	11.9	21.1
2 1	10 40.23	+ 9 32.9	2.043	2.957	8.6	20.9
2 11	10 32.95	+10 6.1	1.990	2.955	4.9	20.7
2 21	10 24.51	+10 43.9	1.965	2.953	0.8	20.4
3 2	10 15.79	+11 21.4	1.970	2.951	3.3	20.5
3 12	10 7.74	+11 53.9	2.004	2.949	7.2	20.8
3 22	10 1.17	+12 17.6	2.064	2.947	10.8	21.0
4 1	9 56.63	+12 30.6	2.147	2.944	13.8	21.2

215273 2001 PO_{34} 2 23.2 223°.03 3°.5/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.92	− 4 2.2	2.384	3.165	12.5	21.3
2 1	10 39.62	− 3 42.1	2.283	3.153	9.9	21.1
2 11	10 32.62	− 3 3.9	2.206	3.140	6.9	20.9
2 21	10 24.46	− 2 9.4	2.156	3.127	4.2	20.7
3 2	10 15.91	− 1 2.3	2.137	3.113	3.9	20.7
3 12	10 7.82	+ 0 11.8	2.148	3.098	6.5	20.8
3 22	10 0.96	+ 1 26.7	2.187	3.082	9.7	21.0
4 1	9 55.92	+ 2 36.8	2.251	3.066	12.6	21.1

292114 2006 RB_{59} 2 23.2 213°.64 3°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.95	+20 48.9	2.832	3.675	9.0	21.0
2 1	10 40.79	+21 21.7	2.752	3.668	6.6	20.8
2 11	10 33.13	+21 53.8	2.700	3.660	4.2	20.7
2 21	10 24.54	+22 20.6	2.679	3.652	3.1	20.6
3 2	10 15.73	+22 38.5	2.688	3.644	4.8	20.7
3 12	10 7.48	+22 44.5	2.726	3.635	7.3	20.8
3 22	10 0.44	+22 38.0	2.792	3.626	9.8	21.0
4 1	9 55.10	+22 19.1	2.880	3.617	12.0	21.1

133450 2003 SG_{223} 2 23.2 146°.33 1°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.62	+12 30.9	2.183	3.027	11.3	20.1
2 1	10 39.40	+13 15.0	2.112	3.031	8.0	19.9
2 11	10 32.45	+14 5.5	2.067	3.034	4.5	19.7
2 21	10 24.42	+14 57.3	2.050	3.037	1.5	19.5
3 2	10 16.16	+15 44.6	2.064	3.040	4.0	19.7
3 12	10 8.59	+16 22.8	2.106	3.043	7.5	19.9
3 22	10 2.45	+16 48.7	2.175	3.045	10.8	20.1
4 1	9 58.28	+17 1.1	2.266	3.047	13.6	20.3

327020 2004 RU_{206} 2 23.2 260°.58 6°.3/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.73	−10 1.5	2.153	2.907	14.5	21.1
2 1	10 39.75	−10 16.4	2.046	2.888	12.1	20.9
2 11	10 32.82	−10 9.5	1.961	2.868	9.4	20.7
2 21	10 24.53	− 9 39.9	1.901	2.847	7.1	20.5
3 2	10 15.69	− 8 49.2	1.869	2.827	6.4	20.4
3 12	10 7.30	− 7 42.3	1.865	2.805	8.0	20.5
3 22	10 0.25	− 6 26.0	1.887	2.784	10.9	20.6
4 1	9 55.23	− 5 7.8	1.933	2.762	13.9	20.7

221972 1995 UT_{22} 2 23.2 105°.29 0°.8/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.01	+ 5 31.0	1.990	2.819	12.8	21.3
2 1	10 39.76	+ 6 0.6	1.921	2.829	9.4	21.1
2 11	10 32.68	+ 6 42.7	1.876	2.838	5.5	20.9
2 21	10 24.47	+ 7 33.1	1.860	2.847	1.5	20.6
3 2	10 16.05	+ 8 26.2	1.873	2.856	3.1	20.8
3 12	10 8.38	+ 9 16.1	1.914	2.864	7.1	21.0
3 22	10 2.26	+ 9 58.2	1.982	2.873	10.7	21.3
4 1	9 58.23	+10 29.2	2.073	2.881	13.8	21.5

21624 1999 NA_{1} 2 23.2 98°.30 3°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.29	+14 42.7	1.988	2.841	11.8	17.9
2 1	10 39.28	+16 17.7	1.932	2.856	8.4	17.7
2 11	10 32.42	+17 58.7	1.904	2.871	4.8	17.5
2 21	10 24.43	+19 37.3	1.904	2.885	3.1	17.4
3 2	10 16.25	+21 5.3	1.935	2.899	5.5	17.6
3 12	10 8.86	+22 16.2	1.994	2.913	9.0	17.8
3 22	10 3.05	+23 7.0	2.078	2.927	12.1	18.0
4 1	9 59.36	+23 37.3	2.183	2.940	14.8	18.3

147237 2002 XC_{54} 2 23.2 83°.97 5°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.12	+20 40.0	1.700	2.562	13.0	20.0
2 1	10 41.54	+22 19.3	1.657	2.581	9.5	19.8
2 11	10 33.76	+23 58.1	1.640	2.600	6.3	19.6
2 21	10 24.67	+25 26.5	1.651	2.619	5.5	19.6
3 2	10 15.46	+26 35.6	1.690	2.638	7.8	19.8
3 12	10 7.32	+27 20.5	1.755	2.656	11.1	20.0
3 22	10 1.16	+27 40.5	1.843	2.675	14.2	20.3
4 1	9 57.53	+27 37.5	1.950	2.693	16.8	20.5

426797 2013 TM_{133} 2 23.2 135°.49 1°.7/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.16	+ 3 6.3	2.122	2.940	12.6	21.3
2 1	10 39.80	+ 3 24.4	2.047	2.946	9.4	21.1
2 11	10 32.70	+ 3 55.9	1.997	2.953	5.8	20.9
2 21	10 24.50	+ 4 37.6	1.974	2.959	2.3	20.7
3 2	10 16.07	+ 5 24.8	1.982	2.964	3.0	20.8
3 12	10 8.32	+ 6 12.1	2.018	2.970	6.7	21.0
3 22	10 2.02	+ 6 54.8	2.081	2.975	10.2	21.2
4 1	9 57.70	+ 7 29.2	2.168	2.980	13.2	21.4

409907 2006 TW_{36} 2 23.2 71°.07 1°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.02	+ 3 52.7	1.628	2.461	15.0	21.4
2 1	10 40.81	+ 4 15.0	1.563	2.471	11.2	21.2
2 11	10 33.40	+ 4 53.7	1.522	2.482	6.7	21.0
2 21	10 24.64	+ 5 44.2	1.507	2.493	2.3	20.7
3 2	10 15.64	+ 6 40.2	1.520	2.504	3.6	20.8
3 12	10 7.58	+ 7 34.4	1.560	2.514	8.0	21.1
3 22	10 1.40	+ 8 20.7	1.626	2.525	12.2	21.4
4 1	9 57.70	+ 8 55.1	1.713	2.536	15.6	21.6

272794 2005 YR_{286} 2 23.2 37°.62 2°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.07	+15 9.9	1.863	2.719	12.4	20.9
2 1	10 40.01	+16 6.8	1.795	2.720	8.9	20.6
2 11	10 32.93	+17 9.4	1.753	2.721	5.1	20.4
2 21	10 24.56	+18 10.7	1.739	2.722	2.8	20.3
3 2	10 15.92	+19 3.4	1.753	2.723	5.3	20.4
3 12	10 8.09	+19 42.1	1.795	2.725	9.1	20.7
3 22	10 1.94	+20 4.0	1.861	2.726	12.6	20.9
4 1	9 58.09	+20 8.3	1.948	2.727	15.6	21.1

56751 2000 OU_4 2 23.2 161°.84 1°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.75	+ 2 47.4	2.619	3.432	10.6	19.6
2 1	10 37.12	+ 3 23.7	2.538	3.435	7.9	19.5
2 11	10 31.11	+ 4 12.1	2.482	3.438	4.8	19.3
2 21	10 24.22	+ 5 9.2	2.456	3.440	1.8	19.1
3 2	10 17.13	+ 6 10.7	2.460	3.443	2.5	19.1
3 12	10 10.54	+ 7 11.8	2.494	3.445	5.6	19.3
3 22	10 5.05	+ 8 7.8	2.557	3.447	8.6	19.5
4 1	10 1.13	+ 8 55.6	2.643	3.449	11.2	19.7

167720 2004 TT_{323} 2 23.2 284°.14 0°.9/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.79	+ 9 25.1	1.488	2.340	15.2	20.2
2 1	10 41.94	+10 5.8	1.399	2.320	11.1	19.9
2 11	10 34.38	+11 1.3	1.332	2.300	6.3	19.6
2 21	10 24.89	+12 5.2	1.292	2.280	1.2	19.2
3 2	10 14.67	+13 9.0	1.278	2.259	4.8	19.4
3 12	10 5.20	+14 4.0	1.291	2.239	10.1	19.7
3 22	9 57.74	+14 43.9	1.328	2.218	15.0	19.9
4 1	9 53.21	+15 5.3	1.384	2.198	19.2	20.1

337747 2001 UQ_{101} 2 23.2 153°.29 0°.7/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.50	+10 35.2	2.740	3.573	9.6	21.9
2 1	10 38.30	+11 13.0	2.666	3.579	6.9	21.7
2 11	10 31.74	+11 57.0	2.620	3.586	3.8	21.5
2 21	10 24.35	+12 43.2	2.604	3.592	0.8	21.3
3 2	10 16.79	+13 27.6	2.619	3.597	2.9	21.5
3 12	10 9.76	+14 6.1	2.663	3.602	6.0	21.7
3 22	10 3.85	+14 36.0	2.736	3.607	8.8	21.9
4 1	9 59.51	+14 55.6	2.833	3.612	11.2	22.0

431611 2007 VF_{254} 2 23.2 90°.61 3°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.83	− 3 40.0	2.426	3.212	12.2	21.6
2 1	10 37.89	− 3 17.0	2.359	3.232	9.5	21.4
2 11	10 31.52	− 2 37.6	2.317	3.253	6.5	21.3
2 21	10 24.31	− 1 44.4	2.302	3.273	3.9	21.1
3 2	10 16.98	− 0 41.4	2.317	3.293	3.5	21.2
3 12	10 10.27	+ 0 25.9	2.362	3.313	5.9	21.3
3 22	10 4.79	+ 1 32.0	2.434	3.333	8.7	21.5
4 1	10 1.00	+ 2 32.3	2.532	3.352	11.2	21.7

379008 2008 UH_{349} 2 23.2 14°.19 1°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.17	+11 47.4	1.465	2.330	14.6	19.9
2 1	10 38.25	+12 32.2	1.407	2.336	10.4	19.6
2 11	10 32.04	+13 27.0	1.373	2.343	5.8	19.4
2 21	10 24.43	+14 24.4	1.364	2.352	1.8	19.2
3 2	10 16.58	+15 16.3	1.382	2.361	4.9	19.4
3 12	10 9.75	+15 55.9	1.426	2.372	9.5	19.7
3 22	10 4.88	+16 19.1	1.493	2.383	13.6	19.9
4 1	10 2.57	+16 24.7	1.580	2.396	17.0	20.2

310153 2011 QV_8 2 23.2 188°.34 0°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.77	+ 6 18.1	1.774	2.605	14.1	22.2
2 1	10 42.80	+ 6 50.6	1.695	2.605	10.3	22.0
2 11	10 34.59	+ 7 37.0	1.641	2.604	6.0	21.7
2 21	10 24.91	+ 8 32.5	1.615	2.602	1.4	21.4
3 2	10 14.84	+ 9 30.4	1.617	2.600	3.6	21.6
3 12	10 5.59	+10 23.8	1.649	2.597	8.2	21.8
3 22	9 58.13	+11 7.4	1.706	2.594	12.3	22.1
4 1	9 53.16	+11 37.8	1.785	2.589	15.8	22.3

281267 2007 QY_2 2 23.2 123°.30 1°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.46	+ 2 7.8	2.452	3.263	11.3	20.8
2 1	10 37.68	+ 2 51.6	2.378	3.274	8.4	20.6
2 11	10 31.44	+ 3 48.7	2.330	3.285	5.2	20.4
2 21	10 24.31	+ 4 55.4	2.311	3.296	1.9	20.2
3 2	10 17.00	+ 6 6.6	2.323	3.306	2.6	20.3
3 12	10 10.26	+ 7 16.6	2.365	3.316	5.9	20.5
3 22	10 4.73	+ 8 20.7	2.435	3.326	9.0	20.7
4 1	10 0.87	+ 9 15.0	2.529	3.335	11.7	20.9

283417 2000 SR_{180} 2 23.2 181°.30 7°.0/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 41.99	−22 14.4	3.379	4.018	11.7	21.5
2 1	10 37.14	−22 28.7	3.282	4.019	10.3	21.4
2 11	10 31.08	−22 23.6	3.206	4.019	8.9	21.3
2 21	10 24.24	−21 58.2	3.153	4.019	7.7	21.2
3 2	10 17.19	−21 13.3	3.127	4.018	7.0	21.1
3 12	10 10.52	−20 11.7	3.129	4.017	7.2	21.1
3 22	10 4.75	−18 57.7	3.157	4.016	8.2	21.2
4 1	10 0.33	−17 36.5	3.212	4.014	9.5	21.3

161174 2002 TD_{68} 2 23.2 242°.64 13°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.15	−23 13.1	1.316	2.030	23.9	19.7
2 1	10 41.12	−23 51.1	1.233	2.023	21.5	19.4
2 11	10 34.09	−23 44.0	1.163	2.016	18.6	19.2
2 21	10 24.88	−22 44.6	1.111	2.009	15.9	19.0
3 2	10 14.86	−20 51.2	1.079	2.002	14.1	18.9
3 12	10 5.74	−18 12.0	1.070	1.994	14.3	18.9
3 22	9 58.97	−15 3.3	1.083	1.987	16.5	18.9
4 1	9 55.54	−11 45.4	1.118	1.979	19.7	19.1

294898 2008 DT_{19} 2 23.2 282°.06 3°.5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.58	− 3 9.6	1.745	2.553	15.3	21.0
2 1	10 38.46	− 2 32.7	1.653	2.541	12.0	20.7
2 11	10 32.21	− 1 31.0	1.584	2.529	8.1	20.5
2 21	10 24.49	− 0 7.4	1.540	2.517	4.4	20.2
3 2	10 16.28	+ 1 31.8	1.524	2.505	4.2	20.2
3 12	10 8.69	+ 3 17.4	1.536	2.493	7.9	20.4
3 22	10 2.71	+ 4 59.7	1.574	2.481	12.0	20.6
4 1	9 59.08	+ 6 30.7	1.635	2.469	15.8	20.8

40621 1999 RG_{169} 2 23.2 63°.35 0°.4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.11	+ 8 16.9	1.790	2.628	13.7	18.6
2 1	10 42.11	+ 8 21.9	1.728	2.641	9.9	18.4
2 11	10 34.07	+ 8 36.8	1.691	2.655	5.7	18.2
2 21	10 24.80	+ 8 57.4	1.682	2.669	1.2	17.9
3 2	10 15.39	+ 9 19.2	1.701	2.683	3.4	18.1
3 12	10 6.93	+ 9 37.3	1.748	2.698	7.7	18.4
3 22	10 0.27	+ 9 48.3	1.821	2.712	11.5	18.7
4 1	9 55.99	+ 9 50.2	1.916	2.726	14.7	18.9

361663 2007 TS_{407} 2 23.2 141°.08 2°.4/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.99	+14 34.4	1.930	2.775	12.5	21.7
2 1	10 43.42	+15 22.3	1.868	2.787	8.9	21.5
2 11	10 34.80	+16 15.2	1.832	2.798	5.1	21.3
2 21	10 24.95	+17 6.6	1.825	2.809	2.4	21.1
3 2	10 14.91	+17 50.0	1.847	2.819	4.9	21.3
3 12	10 5.80	+18 20.5	1.898	2.828	8.6	21.5
3 22	9 58.47	+18 36.0	1.975	2.837	12.1	21.8
4 1	9 53.49	+18 36.2	2.073	2.845	15.0	22.0

122182 2000 KM_{49} 2 23.2 205°.61 1°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.44	+12 30.4	1.839	2.683	13.1	21.1
2 1	10 43.30	+13 19.3	1.760	2.678	9.4	20.9
2 11	10 34.89	+14 16.7	1.706	2.673	5.3	20.6
2 21	10 24.99	+15 16.0	1.680	2.667	1.9	20.4
3 2	10 14.68	+16 10.0	1.684	2.660	4.7	20.6
3 12	10 5.16	+16 52.5	1.716	2.652	9.0	20.8
3 22	9 57.42	+17 19.7	1.774	2.644	12.9	21.0
4 1	9 52.17	+17 30.4	1.853	2.634	16.2	21.2

211059 2002 CK_{128} 2 23.2 50°.03 0°.6/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.15	+ 5 3.6	1.376	2.223	16.4	20.1
2 1	10 40.56	+ 5 51.8	1.312	2.229	12.1	19.9
2 11	10 33.45	+ 6 59.5	1.271	2.236	7.0	19.6
2 21	10 24.73	+ 8 19.7	1.255	2.242	1.6	19.3
3 2	10 15.66	+ 9 43.1	1.265	2.249	4.1	19.4
3 12	10 7.65	+10 59.5	1.302	2.256	9.3	19.8
3 22	10 1.78	+12 1.6	1.363	2.263	14.0	20.0
4 1	9 58.72	+12 45.0	1.444	2.271	17.8	20.3

310879 2003 ON_{12} 2 23.2 122°.83 8°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.92	−14 43.2	2.153	2.865	15.7	21.1
2 1	10 44.69	−15 32.7	2.083	2.887	13.4	21.0
2 11	10 35.50	−15 58.5	2.035	2.908	10.9	20.8
2 21	10 25.08	−15 58.9	2.012	2.928	8.8	20.8
3 2	10 14.43	−15 34.9	2.017	2.947	8.1	20.7
3 12	10 4.59	−14 51.1	2.050	2.965	9.0	20.8
3 22	9 56.39	−13 54.0	2.109	2.983	10.9	21.0
4 1	9 50.44	−12 51.1	2.192	3.000	13.2	21.2

350973 2003 EN_{31} 2 23.2 330°.98 5°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.28	+ 3 55.8	0.933	1.803	20.5	19.2
2 1	10 40.74	+ 2 45.0	0.841	1.765	16.1	18.8
2 11	10 34.47	+ 1 47.5	0.766	1.728	10.9	18.4
2 21	10 25.08	+ 1 5.5	0.711	1.693	5.9	18.0
3 2	10 14.06	+ 0 39.0	0.677	1.660	6.9	17.9
3 12	10 3.62	+ 0 24.4	0.663	1.629	13.0	18.0
3 22	9 55.90	+ 0 15.7	0.668	1.601	19.5	18.2
4 1	9 52.47	+ 0 5.8	0.687	1.575	25.4	18.4

147246 2002 XW_{77} 2 23.2 340°.59 5°.7/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.31	+21 0.7	1.408	2.281	14.6	19.1
2 1	10 41.59	+22 4.8	1.343	2.273	10.7	18.8
2 11	10 34.13	+23 9.9	1.302	2.265	7.1	18.6
2 21	10 24.88	+24 5.9	1.285	2.259	5.8	18.5
3 2	10 15.20	+24 43.3	1.295	2.253	8.5	18.6
3 12	10 6.62	+24 56.4	1.328	2.248	12.5	18.8
3 22	10 0.33	+24 44.2	1.383	2.243	16.4	19.0
4 1	9 57.06	+24 8.9	1.456	2.240	19.8	19.3

226780 2004 RO_{144} 2 23.2 154°.88 4°.1/27.8 18

1 22	10 43.95	− 6 15.9	2.384	3.155	12.8	21.0
2 1	10 38.83	− 5 56.5	2.301	3.162	10.2	20.9
2 11	10 32.15	− 5 18.3	2.243	3.168	7.3	20.7
2 21	10 24.48	− 4 22.9	2.211	3.175	4.8	20.5
3 2	10 16.58	− 3 14.3	2.209	3.180	4.2	20.5
3 12	10 9.25	− 1 58.2	2.236	3.186	6.3	20.6
3 22	10 3.18	− 0 40.8	2.292	3.190	9.2	20.8
4 1	9 58.88	+ 0 32.2	2.373	3.194	11.9	21.0

239263 2007 EH_{132} 2 23.2 350°.76 1°.5/24.2 18

1 22	10 44.29	+ 3 45.7	1.184	2.037	18.1	20.7
2 1	10 40.37	+ 4 19.3	1.115	2.034	13.5	20.4
2 11	10 33.56	+ 5 16.6	1.067	2.031	8.2	20.0
2 21	10 24.79	+ 6 31.7	1.042	2.029	2.5	19.7
3 2	10 15.50	+ 7 54.8	1.043	2.027	4.4	19.8
3 12	10 7.30	+ 9 14.2	1.068	2.027	10.2	20.1
3 22	10 1.48	+10 20.5	1.115	2.026	15.4	20.4
4 1	9 58.86	+11 7.7	1.182	2.026	19.9	20.7

347344 2012 PW_{36} 2 23.2 221°.16 1°.2/24.5 17

1 22	10 43.16	+ 3 16.2	2.381	3.197	11.4	21.4
2 1	10 38.34	+ 3 52.1	2.291	3.191	8.5	21.2
2 11	10 31.92	+ 4 41.2	2.227	3.184	5.2	21.0
2 21	10 24.45	+ 5 40.1	2.191	3.176	1.8	20.7
3 2	10 16.68	+ 6 44.1	2.186	3.169	2.7	20.8
3 12	10 9.41	+ 7 47.5	2.210	3.161	6.3	21.0
3 22	10 3.36	+ 8 45.3	2.262	3.152	9.6	21.2
4 1	9 59.07	+ 9 33.7	2.338	3.144	12.5	21.4

198463 2004 XT_{19} 2 23.2 91°.78 1°.5/21.8 18

1 22	10 45.36	+12 15.8	1.981	2.828	12.1	20.5
2 1	10 40.09	+12 58.6	1.915	2.835	8.7	20.3
2 11	10 32.94	+13 48.5	1.875	2.842	4.8	20.0
2 21	10 24.64	+14 39.9	1.862	2.849	1.6	19.8
3 2	10 16.13	+15 26.5	1.879	2.856	4.2	20.0
3 12	10 8.40	+16 3.4	1.924	2.863	8.0	20.3
3 22	10 2.26	+16 27.2	1.995	2.869	11.5	20.5
4 1	9 58.26	+16 36.9	2.088	2.876	14.4	20.7

36708 2000 RG_{30} 2 23.2 120°.16 4°.1/26.6 18

1 22	10 47.70	− 2 47.1	1.687	2.489	16.0	18.9
2 1	10 42.03	− 2 42.6	1.617	2.500	12.4	18.7
2 11	10 34.14	− 2 16.3	1.570	2.511	8.5	18.5
2 21	10 24.88	− 1 30.8	1.548	2.522	5.0	18.3
3 2	10 15.33	− 0 31.0	1.554	2.532	4.7	18.3
3 12	10 6.68	+ 0 35.4	1.589	2.542	8.0	18.5
3 22	9 59.89	+ 1 40.9	1.648	2.552	11.8	18.7
4 1	9 55.59	+ 2 39.0	1.731	2.561	15.2	19.0

462319 2008 HA_{21} 2 23.2 305°.19 7°.7/29.7 16

1 22	10 42.02	−11 12.2	1.658	2.429	17.5	21.5
2 1	10 38.30	−11 24.6	1.557	2.408	14.7	21.3
2 11	10 32.28	−11 7.5	1.476	2.386	11.6	21.0
2 21	10 24.58	−10 19.3	1.417	2.365	8.8	20.8
3 2	10 16.20	− 9 1.8	1.384	2.345	7.7	20.7
3 12	10 8.38	− 7 22.1	1.376	2.324	9.5	20.8
3 22	10 2.22	− 5 30.5	1.393	2.304	12.9	20.9
4 1	9 58.60	− 3 38.4	1.433	2.284	16.6	21.1

113708 2002 TW_{130} 2 23.2 98°.85 3°.6/27.1 18 R

1 22	10 42.60	− 3 51.2	2.209	2.998	13.1	19.6
2 1	10 37.97	− 3 35.3	2.130	3.005	10.3	19.4
2 11	10 31.71	− 3 1.0	2.075	3.011	7.1	19.2
2 21	10 24.42	− 2 10.7	2.047	3.018	4.3	19.0
3 2	10 16.90	− 1 8.5	2.048	3.024	3.9	19.0
3 12	10 9.99	− 0 0.1	2.078	3.030	6.5	19.2
3 22	10 4.39	+ 1 8.2	2.135	3.036	9.6	19.4
4 1	10 0.65	+ 2 10.9	2.216	3.042	12.4	19.6

6670 Wallach 2 23.2 191°.72 3°.6/18.5 18 R

1 22	10 45.23	+19 46.2	2.672	3.519	9.4	17.9
2 1	10 39.74	+21 13.0	2.599	3.517	6.8	17.7
2 11	10 32.68	+22 41.6	2.555	3.514	4.4	17.6
2 21	10 24.61	+24 5.5	2.542	3.511	3.7	17.5
3 2	10 16.24	+25 18.6	2.559	3.507	5.6	17.6
3 12	10 8.39	+26 16.4	2.606	3.502	8.2	17.8
3 22	10 1.74	+26 56.7	2.679	3.497	10.7	17.9
4 1	9 56.83	+27 19.4	2.774	3.490	12.9	18.1

222307 2000 SJ_{292} 2 23.2 161°.16 5°.0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.95	− 7 24.8	2.337	3.098	13.3	20.7
2 1	10 40.34	− 7 37.5	2.253	3.103	10.8	20.5
2 11	10 33.06	− 7 31.9	2.192	3.108	8.0	20.3
2 21	10 24.70	− 7 8.2	2.158	3.113	5.7	20.2
3 2	10 16.06	− 6 29.1	2.153	3.117	5.1	20.2
3 12	10 8.01	− 5 38.9	2.177	3.120	6.9	20.3
3 22	10 1.27	− 4 43.5	2.228	3.123	9.6	20.4
4 1	9 56.41	− 3 48.3	2.304	3.125	12.2	20.6

183946 2004 DG_{35} 2 23.2 15°.16 3°.4/26.3 18

1 22	10 44.23	− 1 4.0	2.155	2.956	13.0	20.0
2 1	10 39.21	− 1 11.7	2.073	2.957	10.1	19.8
2 11	10 32.46	− 1 4.0	2.015	2.958	6.8	19.6
2 21	10 24.59	− 0 42.5	1.984	2.958	4.0	19.4
3 2	10 16.43	− 0 10.3	1.982	2.959	3.8	19.4
3 12	10 8.90	+ 0 27.8	2.008	2.960	6.7	19.6
3 22	10 2.74	+ 1 6.8	2.061	2.961	9.9	19.8
4 1	9 58.51	+ 1 42.2	2.138	2.963	12.9	20.0

361148 2006 HU_{95} 2 23.2 196°.24 0°.3/23.5 17

1 22	10 47.80	+ 6 48.8	2.025	2.853	12.7	22.4
2 1	10 41.93	+ 7 24.0	1.942	2.850	9.3	22.1
2 11	10 34.06	+ 8 11.2	1.885	2.847	5.4	21.9
2 21	10 24.90	+ 9 6.0	1.855	2.843	1.1	21.6
3 2	10 15.37	+10 2.5	1.856	2.838	3.3	21.7
3 12	10 6.52	+10 54.6	1.886	2.833	7.5	22.0
3 22	9 59.23	+11 37.6	1.943	2.827	11.3	22.2
4 1	9 54.12	+12 8.4	2.023	2.820	14.5	22.4

243364 2008 WY_{59} 2 23.2 59°.44 4°.7/27.9 18

1 22	10 42.75	− 6 2.2	2.065	2.848	14.1	20.0
2 1	10 38.19	− 5 58.8	1.988	2.854	11.3	19.8
2 11	10 31.89	− 5 35.0	1.933	2.861	8.2	19.6
2 21	10 24.49	− 4 52.1	1.904	2.867	5.5	19.4
3 2	10 16.82	− 3 53.8	1.902	2.874	4.8	19.4
3 12	10 9.81	− 2 46.3	1.929	2.880	7.0	19.5
3 22	10 4.21	− 1 36.3	1.983	2.887	10.1	19.7
4 1	10 0.57	− 0 30.0	2.061	2.894	13.0	19.9

326979 2004 NH_{16} 2 23.2 226°.55 4°.8/27.3 17

1 22	10 47.51	− 5 8.0	2.270	3.042	13.3	21.3
2 1	10 41.63	− 5 32.3	2.172	3.033	10.7	21.1
2 11	10 33.89	− 5 40.1	2.098	3.023	7.9	20.9
2 21	10 24.88	− 5 31.3	2.052	3.012	5.4	20.7
3 2	10 15.44	− 5 7.7	2.034	3.001	5.0	20.6
3 12	10 6.51	− 4 33.2	2.046	2.990	7.2	20.8
3 22	9 58.92	− 3 52.9	2.084	2.978	10.2	20.9
4 1	9 53.31	− 3 12.2	2.147	2.965	13.1	21.1

331481 1998 KH_{12} 2 23.2 172°.54 3°.0/26.6 17

1 22	10 43.36	− 3 3.7	2.404	3.192	12.2	21.3
2 1	10 38.44	− 2 33.4	2.318	3.194	9.5	21.1
2 11	10 31.97	− 1 46.0	2.257	3.197	6.5	20.9
2 21	10 24.51	− 0 43.8	2.224	3.198	3.7	20.7
3 2	10 16.79	+ 0 28.5	2.221	3.200	3.4	20.7
3 12	10 9.61	+ 1 45.3	2.248	3.201	6.1	20.9
3 22	10 3.65	+ 3 0.5	2.304	3.201	9.1	21.1
4 1	9 59.43	+ 4 9.1	2.384	3.201	12.0	21.2

294195 2007 TV_{418} 2 23.2 15°.65 1°.7/21.6 17

1 22	10 43.22	+12 33.6	1.978	2.830	12.0	20.9
2 1	10 38.60	+13 19.6	1.910	2.832	8.5	20.7
2 11	10 32.15	+14 12.9	1.866	2.834	4.8	20.4
2 21	10 24.54	+15 7.6	1.850	2.837	1.7	20.2
3 2	10 16.69	+15 57.5	1.863	2.840	4.3	20.4
3 12	10 9.58	+16 37.3	1.905	2.843	8.1	20.6
3 22	10 3.98	+17 3.7	1.971	2.846	11.5	20.9
4 1	10 0.46	+17 15.1	2.059	2.850	14.5	21.1

235590 2004 PS_{16} 2 23.2 156°.22 1°.8/21.9 18

1 22	10 52.28	+13 19.9	1.777	2.620	13.5	21.0
2 1	10 45.28	+13 51.0	1.710	2.627	9.7	20.8
2 11	10 35.98	+14 28.1	1.668	2.634	5.5	20.6
2 21	10 25.26	+15 5.3	1.654	2.640	1.9	20.3
3 2	10 14.29	+15 36.3	1.669	2.646	4.6	20.5
3 12	10 4.32	+15 56.3	1.713	2.650	8.9	20.8
3 22	9 56.32	+16 2.7	1.783	2.654	12.7	21.0
4 1	9 50.93	+15 55.3	1.874	2.658	16.0	21.3

212568 2006 SH_{91} 2 23.2 173°.54 1°.0/22.1 17

1 22	10 43.81	+11 50.0	2.695	3.531	9.6	21.5
2 1	10 38.61	+12 22.9	2.618	3.533	6.9	21.3
2 11	10 31.99	+13 1.2	2.569	3.535	3.8	21.1
2 21	10 24.51	+13 41.0	2.548	3.536	1.0	20.9
3 2	10 16.84	+14 18.3	2.559	3.537	3.1	21.1
3 12	10 9.69	+14 49.2	2.600	3.537	6.2	21.3
3 22	10 3.68	+15 11.3	2.668	3.538	9.1	21.5
4 1	9 59.27	+15 23.1	2.759	3.538	11.5	21.7

256434 2007 *CJ* 2 23.2 48°.73 8°.7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 42.92	−14 59.9	1.551	2.304	19.3	19.6
2 1	10 38.75	−15 5.3	1.487	2.320	16.3	19.5
2 11	10 32.37	−14 36.3	1.442	2.337	13.0	19.3
2 21	10 24.60	−13 32.8	1.418	2.354	10.1	19.2
3 2	10 16.58	−11 59.2	1.420	2.371	8.7	19.1
3 12	10 9.51	−10 5.1	1.446	2.389	9.7	19.2
3 22	10 4.34	− 8 2.4	1.498	2.407	12.4	19.4
4 1	10 1.68	− 6 2.8	1.572	2.425	15.3	19.7

279644 2011 EM_{74} 2 23.2 300°.50 1°.8/24.7 17

1 22	10 44.46	+ 3 32.7	1.877	2.703	13.6	20.7
2 1	10 39.69	+ 3 43.2	1.789	2.693	10.2	20.5
2 11	10 32.89	+ 4 8.4	1.724	2.682	6.4	20.2
2 21	10 24.71	+ 4 45.4	1.687	2.671	2.5	19.9
3 2	10 16.11	+ 5 29.4	1.678	2.661	3.4	20.0
3 12	10 8.15	+ 6 14.4	1.697	2.651	7.5	20.2
3 22	10 1.74	+ 6 55.1	1.741	2.641	11.5	20.4
4 1	9 57.57	+ 7 26.9	1.808	2.631	14.9	20.6

215443 2002 NS_{34} 2 23.2 209°.05 2°.6/25.5 18

1 22	10 45.96	+ 0 19.5	1.918	2.729	14.0	20.5
2 1	10 40.71	+ 0 42.3	1.832	2.725	10.7	20.3
2 11	10 33.44	+ 1 23.1	1.770	2.720	6.9	20.0
2 21	10 24.82	+ 2 19.0	1.734	2.715	3.3	19.8
3 2	10 15.79	+ 3 24.7	1.728	2.710	3.6	19.8
3 12	10 7.43	+ 4 33.2	1.750	2.704	7.4	20.0
3 22	10 0.62	+ 5 37.9	1.799	2.697	11.2	20.2
4 1	9 56.05	+ 6 33.2	1.871	2.690	14.6	20.4

193781 2001 OR_{25} 2 23.2 216°.43 2°.7/25.4 18

1 22	10 48.38	+ 0 30.6	1.778	2.590	14.9	21.1
2 1	10 42.66	+ 0 47.2	1.689	2.582	11.4	20.9
2 11	10 34.65	+ 1 22.7	1.623	2.574	7.4	20.6
2 21	10 25.06	+ 2 14.4	1.584	2.565	3.5	20.4
3 2	10 14.97	+ 3 17.0	1.574	2.555	3.9	20.4
3 12	10 5.56	+ 4 23.1	1.592	2.545	8.0	20.6
3 22	9 57.89	+ 5 25.5	1.636	2.534	12.2	20.8
4 1	9 52.70	+ 6 18.5	1.703	2.522	15.9	21.0

67796 2000 UP_{104} 2 23.2 209°.62 6°.8/29.8 18

1 22	10 45.08	−11 55.9	2.227	2.967	14.5	19.7
2 1	10 39.91	−12 20.7	2.135	2.963	12.2	19.5
2 11	10 32.92	−12 23.7	2.065	2.959	9.7	19.4
2 21	10 24.73	−12 4.1	2.020	2.955	7.6	19.2
3 2	10 16.15	−11 23.4	2.002	2.950	6.8	19.2
3 12	10 8.12	−10 26.0	2.012	2.946	8.0	19.2
3 22	10 1.43	− 9 18.4	2.048	2.940	10.4	19.4
4 1	9 56.71	− 8 7.5	2.109	2.935	13.0	19.5

437499 2013 YE_{72} 2 23.2 110°.02 3°.9/19.2 18

1 22	10 45.21	+20 0.6	2.170	3.025	10.9	21.1
2 1	10 39.94	+21 1.4	2.107	3.029	7.9	20.9
2 11	10 32.88	+22 2.7	2.071	3.033	5.0	20.7
2 21	10 24.71	+22 58.1	2.063	3.037	4.0	20.6
3 2	10 16.33	+23 41.5	2.085	3.041	6.0	20.8
3 12	10 8.69	+24 8.9	2.134	3.044	8.9	21.0
3 22	10 2.56	+24 18.9	2.208	3.048	11.8	21.2
4 1	9 58.48	+24 11.9	2.303	3.052	14.3	21.3

250248 2003 AY_{45} 2 23.2 63°.47 2°.8/21.1 18

1 22	10 48.76	+14 40.2	1.522	2.381	14.5	20.0
2 1	10 42.82	+15 33.6	1.479	2.404	10.3	19.8
2 11	10 34.57	+16 32.3	1.460	2.428	5.8	19.6
2 21	10 25.02	+17 28.2	1.467	2.451	2.8	19.5
3 2	10 15.43	+18 13.5	1.502	2.475	5.6	19.7
3 12	10 7.08	+18 42.8	1.564	2.499	9.8	20.0
3 22	10 0.87	+18 54.3	1.650	2.523	13.5	20.3
4 1	9 57.33	+18 48.3	1.756	2.546	16.6	20.5

325206 2008 FF_{137} 2 23.3 10°.47 2°.7/21.1 18

1 22	10 44.07	+12 54.5	1.451	2.316	14.7	19.9
2 1	10 39.79	+14 1.4	1.388	2.317	10.5	19.6
2 11	10 33.08	+15 18.8	1.349	2.319	5.9	19.3
2 21	10 24.79	+16 37.6	1.335	2.321	2.7	19.1
3 2	10 16.16	+17 48.2	1.349	2.323	5.8	19.3
3 12	10 8.52	+18 42.5	1.388	2.327	10.4	19.6
3 22	10 2.93	+19 16.1	1.450	2.330	14.6	19.9
4 1	10 0.07	+19 28.1	1.532	2.335	18.1	20.1

497106 2004 CC_9 2 23.3 120°.15 0°.4/23.6 17

1 22	10 46.14	+ 7 57.0	2.296	3.124	11.4	21.4
2 1	10 40.46	+ 8 7.5	2.222	3.130	8.3	21.2
2 11	10 33.12	+ 8 26.2	2.174	3.137	4.8	21.0
2 21	10 24.78	+ 8 50.0	2.155	3.143	1.1	20.7
3 2	10 16.23	+ 9 15.0	2.166	3.149	2.9	20.9
3 12	10 8.36	+ 9 37.0	2.207	3.155	6.5	21.1
3 22	10 1.85	+ 9 53.2	2.275	3.160	9.8	21.3
4 1	9 57.24	+10 1.4	2.366	3.166	12.6	21.5

78739 2002 TD_{269} 2 23.3 105°.67 3°.9/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.31	− 4 10.5	2.254	3.040	13.0	19.3
2 1	10 38.48	− 4 4.2	2.175	3.047	10.2	19.2
2 11	10 32.04	− 3 40.4	2.121	3.054	7.2	19.0
2 21	10 24.58	− 3 0.6	2.093	3.061	4.5	18.8
3 2	10 16.89	− 2 8.5	2.094	3.068	4.1	18.8
3 12	10 9.80	− 1 9.4	2.123	3.075	6.4	19.0
3 22	10 4.02	− 0 9.1	2.180	3.081	9.4	19.2
4 1	10 0.07	+ 0 47.1	2.262	3.088	12.2	19.4

183691 2003 YZ_{24} 2 23.3 339°.25 10°.8/29.6 18

1 22	10 43.80	−11 11.5	1.293	2.081	20.7	18.9
2 1	10 40.10	−12 34.0	1.211	2.068	17.7	18.6
2 11	10 33.56	−13 27.7	1.148	2.055	14.5	18.4
2 21	10 24.94	−13 47.3	1.104	2.044	11.7	18.2
3 2	10 15.53	−13 31.2	1.083	2.034	10.8	18.1
3 12	10 6.91	−12 44.0	1.085	2.025	12.4	18.1
3 22	10 0.48	−11 35.6	1.107	2.018	15.6	18.3
4 1	9 57.21	−10 17.9	1.149	2.011	19.1	18.5

4363 Sergej 2 23.3 110°.97 4°.7/19.2 18 R

1 22	10 50.63	+19 35.8	1.748	2.603	13.1	17.5
2 1	10 44.06	+20 56.8	1.703	2.624	9.5	17.3
2 11	10 35.27	+22 18.2	1.683	2.644	6.0	17.1
2 21	10 25.18	+23 30.8	1.691	2.664	4.7	17.1
3 2	10 14.99	+24 26.7	1.728	2.683	7.0	17.3
3 12	10 5.91	+25 1.3	1.792	2.701	10.4	17.5
3 22	9 58.86	+25 13.8	1.880	2.719	13.7	17.7
4 1	9 54.40	+25 6.0	1.988	2.736	16.3	18.0

508169 2015 FZ_{211} 2 23.3 258°.52 4°.4/18.2 17

1 22	10 43.80	+22 9.6	2.342	3.198	10.2	20.6
2 1	10 38.91	+23 20.0	2.276	3.196	7.5	20.4
2 11	10 32.31	+24 29.8	2.237	3.194	5.1	20.3
2 21	10 24.64	+25 32.5	2.226	3.192	4.5	20.3
3 2	10 16.72	+26 22.2	2.244	3.189	6.4	20.4
3 12	10 9.44	+26 54.8	2.290	3.187	9.1	20.5
3 22	10 3.54	+27 9.0	2.360	3.185	11.7	20.7
4 1	9 59.56	+27 5.4	2.451	3.183	14.0	20.9

74589 1999 OX_1 2 23.3 208°.90 1°.0/24.0 17

1 22	10 49.47	+ 5 51.1	2.095	2.915	12.6	20.3
2 1	10 43.14	+ 6 4.3	2.005	2.908	9.4	20.1
2 11	10 34.80	+ 6 28.9	1.942	2.901	5.6	19.8
2 21	10 25.13	+ 7 1.4	1.906	2.893	1.6	19.5
3 2	10 15.07	+ 7 37.5	1.902	2.884	3.1	19.6
3 12	10 5.64	+ 8 12.1	1.926	2.875	7.2	19.8
3 22	9 57.74	+ 8 41.0	1.978	2.865	11.0	20.1
4 1	9 52.02	+ 9 1.0	2.054	2.854	14.2	20.2

462904 2010 XA_{58} 2 23.3 188°.18 1°.6/21.8 18

1 22	10 47.11	+12 11.7	2.008	2.852	12.2	21.4
2 1	10 41.46	+12 57.0	1.933	2.851	8.7	21.2
2 11	10 33.83	+13 49.9	1.884	2.851	4.9	21.0
2 21	10 24.95	+14 44.7	1.863	2.849	1.6	20.7
3 2	10 15.76	+15 35.0	1.871	2.848	4.2	20.9
3 12	10 7.30	+16 15.4	1.909	2.846	8.1	21.1
3 22	10 0.43	+16 42.5	1.972	2.843	11.7	21.4
4 1	9 55.75	+16 54.8	2.057	2.840	14.7	21.6

93944 2000 WV_{172} 2 23.3 86°.68 8°.0/14.1 18

1 22	10 47.98	+29 49.6	1.944	2.799	12.0	19.3
2 1	10 42.22	+32 6.0	1.917	2.823	9.5	19.2
2 11	10 34.28	+34 12.7	1.916	2.846	8.1	19.1
2 21	10 25.03	+35 58.8	1.943	2.869	8.4	19.2
3 2	10 15.62	+37 16.9	1.998	2.892	10.2	19.4
3 12	10 7.22	+38 3.9	2.078	2.914	12.5	19.6
3 22	10 0.73	+38 21.3	2.178	2.936	14.7	19.8
4 1	9 56.74	+38 13.1	2.297	2.958	16.5	19.9

279106 2009 AU_{26} 2 23.3 232°.95 4°.0/26.8 17

1 22	10 46.56	− 2 48.4	2.402	3.185	12.4	21.1
2 1	10 40.83	− 3 15.2	2.310	3.180	9.8	20.9
2 11	10 33.42	− 3 28.0	2.243	3.175	7.0	20.7
2 21	10 24.89	− 3 27.3	2.203	3.170	4.5	20.5
3 2	10 16.03	− 3 14.9	2.193	3.165	4.3	20.5
3 12	10 7.69	− 2 54.0	2.213	3.159	6.6	20.6
3 22	10 0.61	− 2 29.0	2.259	3.154	9.5	20.8
4 1	9 55.36	− 2 3.9	2.331	3.148	12.2	21.0

259358 2003 GP_{50} 2 23.3 321°.34 2°.9/20.1 17

1 22	10 41.59	+15 24.2	2.125	2.982	11.1	20.1
2 1	10 37.48	+16 38.1	2.048	2.973	7.9	19.9
2 11	10 31.60	+17 58.2	1.997	2.964	4.6	19.7
2 21	10 24.55	+19 17.8	1.975	2.956	2.9	19.5
3 2	10 17.18	+20 29.6	1.982	2.948	5.2	19.7
3 12	10 10.40	+21 27.7	2.017	2.940	8.6	19.9
3 22	10 4.99	+22 8.6	2.077	2.933	11.9	20.0
4 1	10 1.56	+22 31.1	2.158	2.926	14.6	20.2

427646 2003 WT_{62} 2 23.3 95°.38 2°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.80	+17 19.1	2.282	3.126	10.9	21.9
2 1	10 42.26	+17 56.7	2.233	3.150	7.7	21.8
2 11	10 34.08	+18 35.5	2.210	3.174	4.5	21.6
2 21	10 24.99	+19 10.2	2.217	3.198	2.7	21.5
3 2	10 15.87	+19 36.2	2.254	3.221	4.6	21.7
3 12	10 7.61	+19 50.3	2.320	3.244	7.7	21.9
3 22	10 0.89	+19 51.6	2.413	3.266	10.5	22.2
4 1	9 56.17	+19 40.2	2.528	3.287	12.9	22.4

217990 2001 WA_{55} 2 23.3 108°.66 0°.5/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.62	+ 6 35.4	1.895	2.727	13.3	21.0
2 1	10 41.08	+ 7 4.6	1.828	2.738	9.7	20.8
2 11	10 33.60	+ 7 45.9	1.786	2.749	5.6	20.6
2 21	10 24.93	+ 8 34.5	1.771	2.759	1.3	20.3
3 2	10 16.04	+ 9 24.8	1.786	2.769	3.3	20.5
3 12	10 7.98	+10 10.7	1.830	2.779	7.5	20.8
3 22	10 1.56	+10 47.7	1.899	2.789	11.2	21.0
4 1	9 57.37	+11 13.0	1.991	2.798	14.3	21.2

426282 2012 TU_{23} 2 23.3 186°.81 0°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.89	+ 8 34.6	2.500	3.327	10.6	21.1
2 1	10 40.23	+ 8 49.0	2.419	3.327	7.7	20.9
2 11	10 33.02	+ 9 10.9	2.363	3.326	4.4	20.7
2 21	10 24.82	+ 9 37.0	2.337	3.325	0.9	20.4
3 2	10 16.38	+10 3.6	2.342	3.324	2.8	20.5
3 12	10 8.52	+10 27.0	2.377	3.323	6.2	20.8
3 22	10 1.90	+10 44.2	2.439	3.321	9.4	21.0
4 1	9 57.04	+10 53.4	2.525	3.319	12.0	21.1

70295 1999 RM_{127} 2 23.3 90°.40 4°.2/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.49	− 2 14.2	1.630	2.436	16.3	19.2
2 1	10 42.64	− 2 18.9	1.567	2.453	12.7	19.0
2 11	10 34.56	− 2 2.6	1.527	2.469	8.6	18.8
2 21	10 25.11	− 1 27.3	1.511	2.486	5.0	18.6
3 2	10 15.45	− 0 38.0	1.524	2.502	4.7	18.6
3 12	10 6.78	+ 0 18.0	1.564	2.518	8.1	18.8
3 22	10 0.04	+ 1 13.5	1.630	2.533	11.8	19.1
4 1	9 55.85	+ 2 2.5	1.717	2.549	15.2	19.3

88967 2001 TG_{56} 2 23.3 67°.23 9°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.68	+31 8.4	1.658	2.518	13.5	18.9
2 1	10 43.08	+32 57.7	1.619	2.527	10.8	18.7
2 11	10 34.91	+34 36.2	1.604	2.536	9.2	18.7
2 21	10 25.19	+35 52.6	1.615	2.545	9.5	18.7
3 2	10 15.25	+36 39.0	1.651	2.554	11.4	18.8
3 12	10 6.52	+36 52.5	1.711	2.564	14.0	19.0
3 22	10 0.05	+36 35.5	1.791	2.573	16.5	19.2
4 1	9 56.44	+35 52.8	1.887	2.583	18.7	19.4

402944 2007 TT_{331} 2 23.3 153°.82 2°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.29	+14 12.1	1.844	2.690	13.0	21.9
2 1	10 43.84	+14 52.7	1.778	2.697	9.3	21.7
2 11	10 35.21	+15 38.9	1.737	2.703	5.3	21.5
2 21	10 25.24	+16 24.3	1.724	2.709	2.2	21.3
3 2	10 15.03	+17 2.4	1.740	2.714	4.8	21.5
3 12	10 5.73	+17 28.3	1.785	2.719	8.8	21.7
3 22	9 58.29	+17 39.5	1.855	2.723	12.5	22.0
4 1	9 53.30	+17 35.6	1.947	2.726	15.6	22.2

219078 1998 GX 2 23.3 101°.89 2°.2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.58	+13 50.3	1.852	2.703	12.7	20.4
2 1	10 41.18	+14 35.1	1.785	2.707	9.1	20.2
2 11	10 33.72	+15 26.1	1.743	2.710	5.1	20.0
2 21	10 24.97	+16 17.2	1.728	2.714	2.2	19.8
3 2	10 15.96	+17 1.6	1.743	2.717	4.8	20.0
3 12	10 7.79	+17 34.0	1.785	2.720	8.7	20.2
3 22	10 1.33	+17 51.6	1.852	2.723	12.3	20.5
4 1	9 57.20	+17 53.6	1.940	2.727	15.4	20.7

389828 2012 BY_{117} 2 23.3 113°.24 0°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.13	+ 8 52.6	1.848	2.686	13.3	21.3
2 1	10 42.16	+ 9 41.3	1.789	2.704	9.6	21.1
2 11	10 34.20	+10 40.5	1.756	2.721	5.3	20.8
2 21	10 25.05	+11 44.2	1.750	2.738	1.0	20.6
3 2	10 15.74	+12 45.4	1.774	2.754	3.8	20.8
3 12	10 7.35	+13 37.8	1.826	2.770	7.9	21.1
3 22	10 0.71	+14 17.4	1.905	2.785	11.6	21.3
4 1	9 56.37	+14 42.3	2.006	2.800	14.7	21.6

141167 2001 XT_{145} 2 23.3 357°.62 3°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.10	+16 27.0	2.019	2.877	11.5	19.5
2 1	10 38.58	+17 21.4	1.951	2.875	8.2	19.3
2 11	10 32.21	+18 19.9	1.908	2.874	4.8	19.1
2 21	10 24.69	+19 16.2	1.892	2.874	3.0	19.0
3 2	10 16.90	+20 3.7	1.906	2.873	5.3	19.1
3 12	10 9.83	+20 37.7	1.947	2.873	8.7	19.3
3 22	10 4.26	+20 55.5	2.012	2.874	12.0	19.5
4 1	10 0.78	+20 56.7	2.099	2.874	14.7	19.7

188469 2004 LY_{9} 2 23.3 267°.14 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.31	+ 6 25.5	1.909	2.744	13.0	20.4
2 1	10 39.68	+ 7 17.7	1.815	2.728	9.6	20.1
2 11	10 32.99	+ 8 25.1	1.747	2.711	5.5	19.8
2 21	10 24.88	+ 9 42.6	1.707	2.695	1.1	19.5
3 2	10 16.26	+11 3.0	1.695	2.678	3.6	19.6
3 12	10 8.21	+12 18.5	1.713	2.660	8.0	19.9
3 22	10 1.68	+13 22.7	1.756	2.643	12.1	20.1
4 1	9 57.37	+14 11.7	1.821	2.625	15.6	20.3

230653 2003 SC_{95} 2 23.3 306°.39 3°.4/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.19	− 1 7.7	1.828	2.641	14.5	20.4
2 1	10 38.92	− 1 0.9	1.735	2.626	11.3	20.2
2 11	10 32.57	− 0 34.8	1.665	2.612	7.6	19.9
2 21	10 24.81	+ 0 8.9	1.620	2.597	4.2	19.7
3 2	10 16.54	+ 1 5.8	1.603	2.583	4.1	19.7
3 12	10 8.87	+ 2 9.2	1.613	2.569	7.6	19.8
3 22	10 2.73	+ 3 12.1	1.649	2.556	11.6	20.0
4 1	9 58.85	+ 4 8.1	1.708	2.543	15.2	20.2

445870 2012 TS_{168} 2 23.3 117°.12 0°.8/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.94	+ 9 21.3	1.510	2.353	15.5	22.2
2 1	10 45.26	+10 2.2	1.454	2.371	11.2	22.0
2 11	10 36.10	+10 54.8	1.421	2.387	6.2	21.7
2 21	10 25.44	+11 52.3	1.415	2.403	1.2	21.4
3 2	10 14.60	+12 46.5	1.438	2.419	4.4	21.7
3 12	10 4.96	+13 30.5	1.488	2.433	9.2	22.0
3 22	9 57.54	+14 0.1	1.563	2.447	13.5	22.3
4 1	9 52.96	+14 13.7	1.659	2.461	17.0	22.6

54503 2000 OV_{53} 2 23.3 191°.98 2°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.87	+ 2 8.5	2.656	3.458	10.8	19.4
2 1	10 40.16	+ 1 59.3	2.569	3.457	8.2	19.2
2 11	10 32.98	+ 2 0.5	2.507	3.456	5.3	19.0
2 21	10 24.85	+ 2 10.3	2.474	3.454	2.6	18.8
3 2	10 16.48	+ 2 26.4	2.472	3.452	2.9	18.9
3 12	10 8.61	+ 2 45.6	2.500	3.450	5.7	19.0
3 22	10 1.89	+ 3 4.4	2.557	3.448	8.6	19.2
4 1	9 56.82	+ 3 20.0	2.638	3.446	11.2	19.4

416975 2005 TF_{37} 2 23.3 123°.17 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.27	+ 7 54.4	1.973	2.806	12.8	22.4
2 1	10 41.51	+ 8 22.5	1.905	2.817	9.3	22.2
2 11	10 33.85	+ 9 0.9	1.863	2.827	5.3	21.9
2 21	10 25.02	+ 9 45.1	1.848	2.836	1.0	21.7
3 2	10 15.99	+10 29.6	1.863	2.846	3.3	21.8
3 12	10 7.75	+11 8.9	1.907	2.855	7.4	22.1
3 22	10 1.13	+11 39.2	1.978	2.863	11.0	22.4
4 1	9 56.67	+11 58.0	2.070	2.872	14.1	22.6

357524 2004 RS_{139} 2 23.3 121°.57 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.79	+ 6 56.1	1.813	2.643	13.9	21.9
2 1	10 43.38	+ 7 40.4	1.753	2.663	10.0	21.7
2 11	10 34.92	+ 8 37.2	1.719	2.682	5.7	21.5
2 21	10 25.22	+ 9 40.5	1.712	2.700	1.1	21.2
3 2	10 15.37	+10 43.5	1.735	2.717	3.5	21.4
3 12	10 6.47	+11 39.6	1.788	2.734	7.9	21.7
3 22	9 59.40	+12 24.0	1.866	2.750	11.7	22.0
4 1	9 54.72	+12 54.4	1.967	2.765	14.8	22.2

135309 2001 ST_{261} 2 23.3 84°.69 2°.5/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.12	+ 1 43.1	2.214	3.022	12.5	19.3
2 1	10 40.52	+ 1 35.2	2.140	3.032	9.5	19.1
2 11	10 33.24	+ 1 39.9	2.092	3.041	6.1	18.9
2 21	10 24.92	+ 1 55.5	2.071	3.051	3.0	18.7
3 2	10 16.39	+ 2 18.6	2.079	3.060	3.3	18.7
3 12	10 8.54	+ 2 45.0	2.117	3.069	6.4	19.0
3 22	10 2.09	+ 3 10.6	2.182	3.078	9.6	19.2
4 1	9 57.56	+ 3 31.9	2.271	3.088	12.5	19.4

263084 2007 RV_{292} 2 23.3 335°.34 3°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.93	− 0 7.0	1.264	2.105	18.0	20.3
2 1	10 38.67	+ 0 15.1	1.186	2.094	13.9	20.0
2 11	10 32.72	+ 1 4.4	1.127	2.084	9.1	19.7
2 21	10 24.88	+ 2 17.4	1.092	2.075	4.3	19.4
3 2	10 16.42	+ 3 46.3	1.082	2.066	4.5	19.3
3 12	10 8.85	+ 5 19.5	1.097	2.059	9.6	19.6
3 22	10 3.43	+ 6 45.8	1.135	2.052	14.6	19.9
4 1	10 1.02	+ 7 56.7	1.192	2.046	19.1	20.1

308413 2005 SL_{105} 2 23.3 80°.32 3°.7/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.21	− 4 14.5	1.837	2.633	15.1	20.6
2 1	10 39.38	− 3 36.5	1.773	2.652	11.7	20.4
2 11	10 32.66	− 2 35.9	1.731	2.671	8.0	20.2
2 21	10 24.81	− 1 16.5	1.717	2.690	4.6	20.0
3 2	10 16.79	+ 0 15.2	1.730	2.709	4.1	20.0
3 12	10 9.59	+ 1 50.6	1.773	2.728	7.1	20.2
3 22	10 4.02	+ 3 21.6	1.842	2.747	10.7	20.5
4 1	10 0.59	+ 4 41.9	1.935	2.765	13.8	20.7

11435 1931 *UB* 2 23.3 152°.99 0°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.17	+ 5 32.7	2.063	2.885	12.7	18.7
2 1	10 42.12	+ 6 4.8	1.990	2.894	9.3	18.5
2 11	10 34.20	+ 6 49.2	1.942	2.903	5.5	18.3
2 21	10 25.11	+ 7 41.7	1.924	2.911	1.4	18.0
3 2	10 15.78	+ 8 36.5	1.935	2.918	3.1	18.2
3 12	10 7.19	+ 9 27.9	1.976	2.924	7.1	18.4
3 22	10 0.16	+10 11.4	2.044	2.930	10.7	18.7
4 1	9 55.25	+10 43.8	2.135	2.935	13.7	18.9

431234 2006 SP_{388} 2 23.3 86°.51 3°.3/19.5 18

1 22	10 43.04	+18 14.2	2.351	3.205	10.2	21.1
2 1	10 38.34	+19 22.3	2.286	3.208	7.3	21.0
2 11	10 32.02	+20 32.7	2.248	3.211	4.5	20.8
2 21	10 24.70	+21 39.2	2.239	3.215	3.4	20.7
3 2	10 17.16	+22 35.8	2.259	3.218	5.3	20.8
3 12	10 10.25	+23 18.2	2.308	3.222	8.2	21.0
3 22	10 4.65	+23 44.2	2.382	3.225	11.0	21.2
4 1	10 0.89	+23 53.5	2.478	3.228	13.4	21.4

335770 2007 EP_{156} 2 23.3 320°.35 2°.6/24.9 17

1 22	10 43.96	+ 3 5.8	1.490	2.329	15.9	20.4
2 1	10 40.00	+ 3 1.8	1.392	2.302	12.2	20.1
2 11	10 33.47	+ 3 15.5	1.316	2.275	7.8	19.7
2 21	10 25.05	+ 3 45.1	1.265	2.249	3.4	19.4
3 2	10 15.84	+ 4 25.9	1.240	2.224	4.2	19.4
3 12	10 7.24	+ 5 10.7	1.241	2.199	9.1	19.6
3 22	10 0.51	+ 5 52.5	1.265	2.175	14.0	19.8
4 1	9 56.57	+ 6 24.9	1.309	2.152	18.4	20.0

104513 2000 GZ_{43} 2 23.3 160°.97 2°.9/26.9 18

1 22	10 42.58	− 3 17.3	2.713	3.494	11.1	19.8
2 1	10 37.78	− 2 50.7	2.628	3.500	8.7	19.6
2 11	10 31.63	− 2 8.9	2.568	3.504	6.0	19.4
2 21	10 24.63	− 1 14.2	2.537	3.509	3.5	19.3
3 2	10 17.42	− 0 10.2	2.536	3.513	3.2	19.3
3 12	10 10.69	+ 0 58.1	2.565	3.517	5.5	19.4
3 22	10 5.03	+ 2 5.7	2.623	3.520	8.2	19.6
4 1	10 0.89	+ 3 8.2	2.707	3.522	10.7	19.8

23938 Kurosaki 2 23.3 200°.48 0°.9/22.3 18

1 22	10 44.72	+10 46.6	2.449	3.285	10.5	19.3
2 1	10 39.49	+11 27.9	2.367	3.281	7.5	19.1
2 11	10 32.67	+12 16.5	2.312	3.278	4.2	18.9
2 21	10 24.84	+13 8.0	2.287	3.274	1.0	18.6
3 2	10 16.73	+13 57.4	2.292	3.270	3.3	18.8
3 12	10 9.17	+14 40.0	2.326	3.265	6.8	19.0
3 22	10 2.86	+15 12.5	2.388	3.260	9.9	19.2
4 1	9 58.31	+15 33.2	2.473	3.255	12.6	19.4

218633 2005 RX_{29} 2 23.3 154°.48 0°.1/23.2 18

1 22	10 47.61	+ 8 30.6	2.149	2.979	12.0	21.9
2 1	10 41.67	+ 8 57.8	2.075	2.986	8.7	21.7
2 11	10 33.93	+ 9 34.1	2.028	2.992	4.9	21.4
2 21	10 25.07	+10 15.2	2.010	2.998	0.9	21.1
3 2	10 15.98	+10 56.2	2.021	3.003	3.2	21.3
3 12	10 7.61	+11 32.2	2.062	3.008	7.0	21.6
3 22	10 0.73	+11 59.6	2.130	3.012	10.5	21.8
4 1	9 55.89	+12 16.2	2.221	3.016	13.5	22.0

288681 2004 PN_{93} 2 23.3 154°.61 1°.8/25.0 18

1 22	10 47.78	+ 1 3.6	1.977	2.786	13.7	21.0
2 1	10 41.93	+ 1 49.8	1.902	2.796	10.3	20.8
2 11	10 34.14	+ 2 53.7	1.852	2.805	6.4	20.6
2 21	10 25.12	+ 4 10.8	1.830	2.814	2.5	20.3
3 2	10 15.83	+ 5 34.5	1.838	2.821	3.2	20.4
3 12	10 7.29	+ 6 57.1	1.876	2.828	7.1	20.6
3 22	10 0.34	+ 8 12.0	1.942	2.834	10.9	20.9
4 1	9 55.57	+ 9 14.6	2.031	2.838	14.1	21.1

174255 2002 RP_{200} 2 23.3 66°.97 4°.8/19.5 18

1 22	10 48.39	+19 3.1	1.522	2.386	14.2	19.6
2 1	10 42.77	+20 14.9	1.473	2.400	10.2	19.4
2 11	10 34.73	+21 28.2	1.449	2.414	6.4	19.2
2 21	10 25.23	+22 33.4	1.452	2.428	4.8	19.1
3 2	10 15.57	+23 21.9	1.482	2.442	7.3	19.3
3 12	10 7.10	+23 48.7	1.537	2.457	11.1	19.6
3 22	10 0.81	+23 52.7	1.616	2.471	14.7	19.8
4 1	9 57.27	+23 35.9	1.713	2.486	17.7	20.1

363081 2000 QD_{162} 2 23.3 163°.95 1°.6/25.1 14 C

1 22	10 46.49	+ 2 25.9	2.621	3.423	10.9	22.7
2 1	10 40.61	+ 2 43.3	2.540	3.430	8.2	22.6
2 11	10 33.24	+ 3 12.0	2.485	3.436	5.1	22.4
2 21	10 24.95	+ 3 49.5	2.459	3.442	2.2	22.2
3 2	10 16.46	+ 4 32.1	2.465	3.447	2.7	22.2
3 12	10 8.50	+ 5 15.6	2.501	3.451	5.7	22.4
3 22	10 1.74	+ 5 55.9	2.566	3.454	8.7	22.6
4 1	9 56.66	+ 6 30.0	2.656	3.457	11.3	22.8

388829 2008 CD_{211} 2 23.3 312°.04 2°.7/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 51.00	+ 4 10.3	2.115	2.926	12.9	20.2
2 1	10 44.40	+ 3 23.5	2.010	2.904	9.8	20.0
2 11	10 35.68	+ 2 44.9	1.931	2.883	6.4	19.7
2 21	10 25.46	+ 2 14.1	1.881	2.862	3.1	19.5
3 2	10 14.68	+ 1 50.0	1.861	2.841	3.7	19.5
3 12	10 4.43	+ 1 30.4	1.871	2.820	7.3	19.6
3 22	9 55.67	+ 1 13.0	1.908	2.800	11.0	19.8
4 1	9 49.12	+ 0 54.9	1.969	2.780	14.3	20.0

449130 2013 AL_{24} 2 23.3 356°.40 3°.3/25.3 18

1 22	10 47.38	+ 2 11.1	1.206	2.049	18.6	20.4
2 1	10 42.68	+ 1 59.5	1.136	2.047	14.2	20.1
2 11	10 35.01	+ 2 9.5	1.087	2.045	9.1	19.8
2 21	10 25.35	+ 2 38.4	1.061	2.044	4.2	19.6
3 2	10 15.14	+ 3 20.4	1.060	2.044	4.8	19.6
3 12	10 6.05	+ 4 6.9	1.084	2.044	9.9	19.9
3 22	9 59.39	+ 4 49.5	1.130	2.045	15.0	20.2
4 1	9 56.00	+ 5 21.8	1.196	2.046	19.3	20.4

69699 1998 HS_{45} 2 23.3 46°.87 4°.5/26.6 18

1 22	10 46.17	− 2 21.5	1.449	2.266	17.4	19.2
2 1	10 41.33	− 2 25.2	1.380	2.272	13.6	19.0
2 11	10 34.03	− 2 5.0	1.333	2.278	9.3	18.7
2 21	10 25.14	− 1 23.1	1.310	2.285	5.4	18.5
3 2	10 15.88	− 0 24.8	1.313	2.292	5.1	18.5
3 12	10 7.60	+ 0 41.4	1.342	2.299	8.7	18.7
3 22	10 1.36	+ 1 46.9	1.396	2.307	12.9	19.0
4 1	9 57.87	+ 2 44.3	1.471	2.314	16.7	19.3

245493 2005 QT_{51} 2 23.3 256°.51 1°.2/24.7 17

1 22	10 42.11	+ 3 10.2	2.583	3.397	10.7	21.1
2 1	10 37.62	+ 3 43.1	2.486	3.384	8.0	20.9
2 11	10 31.64	+ 4 28.4	2.414	3.370	4.9	20.7
2 21	10 24.68	+ 5 23.1	2.370	3.355	1.8	20.4
3 2	10 17.39	+ 6 23.0	2.358	3.341	2.6	20.5
3 12	10 10.52	+ 7 23.1	2.375	3.326	5.9	20.7
3 22	10 4.73	+ 8 18.7	2.420	3.311	9.0	20.8
4 1	10 0.54	+ 9 6.1	2.490	3.296	11.8	21.0

504834 2010 NE_{88} 2 23.3 208°.06 5°.7/ 1.1 18

1 22	10 43.07	−12 30.5	2.785	3.510	12.2	21.6
2 1	10 38.22	−12 41.1	2.688	3.505	10.3	21.4
2 11	10 31.94	−12 33.1	2.613	3.500	8.2	21.3
2 21	10 24.73	−12 6.4	2.564	3.494	6.4	21.2
3 2	10 17.23	−11 22.6	2.543	3.488	5.7	21.1
3 12	10 10.15	−10 25.4	2.551	3.482	6.7	21.1
3 22	10 4.10	− 9 19.8	2.586	3.475	8.6	21.3
4 1	9 59.60	− 8 11.4	2.647	3.468	10.8	21.4

106026 2000 ST_{297} 2 23.3 123°.14 5°.1/29.4 18

1 22	10 41.92	− 9 55.4	2.563	3.312	12.6	19.9
2 1	10 37.42	− 9 52.7	2.478	3.317	10.3	19.7
2 11	10 31.49	− 9 31.0	2.416	3.322	7.9	19.6
2 21	10 24.65	− 8 51.0	2.381	3.327	5.8	19.5
3 2	10 17.58	− 7 55.2	2.373	3.332	5.1	19.4
3 12	10 11.02	− 6 48.5	2.395	3.337	6.4	19.5
3 22	10 5.58	− 5 36.6	2.444	3.342	8.7	19.7
4 1	10 1.76	− 4 25.0	2.518	3.346	11.1	19.8

401827 1998 SH_{13} 2 23.3 95°.45 3°.9/20.2 16

1 22	10 51.87	+18 54.6	1.831	2.681	12.8	21.8
2 1	10 44.83	+19 48.6	1.787	2.707	9.2	21.6
2 11	10 35.70	+20 42.8	1.769	2.732	5.6	21.5
2 21	10 25.43	+21 29.7	1.780	2.757	3.9	21.4
3 2	10 15.15	+22 3.0	1.820	2.782	6.1	21.6
3 12	10 6.01	+22 19.1	1.887	2.805	9.5	21.8
3 22	9 58.85	+22 17.6	1.979	2.828	12.7	22.1
4 1	9 54.17	+21 59.9	2.093	2.851	15.3	22.3

150848 2001 SE_{74} 2 23.3 139°.96 2°.8/26.0 18

1 22	10 46.97	− 0 37.5	2.221	3.018	12.8	20.7
2 1	10 41.16	− 0 27.2	2.147	3.030	9.8	20.5
2 11	10 33.64	− 0 1.6	2.097	3.041	6.5	20.3
2 21	10 25.07	+ 0 36.9	2.074	3.052	3.4	20.1
3 2	10 16.27	+ 1 24.3	2.082	3.062	3.4	20.2
3 12	10 8.16	+ 2 15.3	2.119	3.071	6.4	20.4
3 22	10 1.45	+ 3 4.8	2.184	3.080	9.7	20.6
4 1	9 56.69	+ 3 48.3	2.274	3.088	12.5	20.8

465124 2006 WW_{175} 2 23.3 106°.18 1°.6/24.8 18

1 22	10 47.92	+ 2 34.7	2.068	2.880	13.1	22.0
2 1	10 41.82	+ 3 6.0	2.008	2.905	9.7	21.9
2 11	10 33.98	+ 3 51.4	1.974	2.929	5.9	21.7
2 21	10 25.12	+ 4 46.8	1.968	2.953	2.2	21.5
3 2	10 16.16	+ 5 46.7	1.993	2.976	3.0	21.6
3 12	10 8.03	+ 6 45.1	2.047	2.998	6.7	21.8
3 22	10 1.46	+ 7 36.9	2.128	3.020	10.1	22.1
4 1	9 56.95	+ 8 18.7	2.234	3.041	13.0	22.3

123097 2000 SE_{340} 2 23.3 335°.72 11°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	11 9.17	+35 32.9	1.293	2.132	17.8	18.5
2 1	10 58.70	+35 47.5	1.230	2.125	14.6	18.3
2 11	10 44.11	+35 39.3	1.188	2.118	11.9	18.1
2 21	10 27.07	+34 55.9	1.171	2.112	11.1	18.1
3 2	10 9.97	+33 31.0	1.179	2.106	12.8	18.1
3 12	9 55.22	+31 28.3	1.213	2.101	16.0	18.3
3 22	9 44.34	+28 58.9	1.269	2.097	19.6	18.5
4 1	9 37.93	+26 14.5	1.345	2.093	22.8	18.7

145468 2005 SH_{173} 2 23.3 273°.05 1°.8/25.3 17

1 22	10 42.63	+ 2 1.9	2.485	3.295	11.2	20.9
2 1	10 38.05	+ 2 18.2	2.388	3.282	8.5	20.7
2 11	10 31.92	+ 2 47.2	2.316	3.268	5.4	20.4
2 21	10 24.77	+ 3 26.6	2.272	3.254	2.4	20.2
3 2	10 17.28	+ 4 12.6	2.258	3.240	2.8	20.2
3 12	10 10.23	+ 5 0.7	2.273	3.226	6.0	20.4
3 22	10 4.31	+ 5 46.3	2.316	3.212	9.2	20.6
4 1	10 0.05	+ 6 25.5	2.384	3.198	12.0	20.7

377696 2005 WF_{1} 2 23.3 180°.64 13°.8/ 2.1 18

1 22	10 54.88	−17 49.1	1.363	2.092	22.6	20.6
2 1	10 48.28	−19 40.1	1.288	2.094	19.9	20.4
2 11	10 38.38	−20 58.7	1.231	2.094	17.1	20.2
2 21	10 26.08	−21 36.6	1.193	2.095	14.8	20.0
3 2	10 12.87	−21 30.0	1.178	2.094	13.8	20.0
3 12	10 0.62	−20 42.7	1.185	2.093	14.7	20.0
3 22	9 50.89	−19 25.5	1.214	2.091	17.1	20.1
4 1	9 44.72	−17 52.3	1.262	2.089	19.9	20.3

196718 2003 SW_{104} 2 23.3 78°.89 3°.9/20.1 18

1 22	10 49.26	+20 32.1	2.007	2.859	11.8	19.7
2 1	10 43.03	+21 6.0	1.942	2.861	8.6	19.5
2 11	10 34.79	+21 39.2	1.902	2.864	5.4	19.3
2 21	10 25.32	+22 5.4	1.891	2.867	3.9	19.2
3 2	10 15.64	+22 19.4	1.908	2.869	6.0	19.4
3 12	10 6.86	+22 18.0	1.954	2.872	9.2	19.6
3 22	9 59.81	+22 0.7	2.024	2.875	12.4	19.8
4 1	9 55.07	+21 28.6	2.116	2.877	15.1	20.0

337500 2001 SC_{119} 2 23.3 116°.88 1°.1/24.4 17

1 22	10 45.79	+ 5 25.6	2.384	3.203	11.3	20.6
2 1	10 40.23	+ 5 31.5	2.309	3.211	8.4	20.4
2 11	10 33.09	+ 5 47.0	2.260	3.218	5.0	20.2
2 21	10 24.99	+ 6 9.5	2.240	3.226	1.7	20.0
3 2	10 16.70	+ 6 35.5	2.250	3.233	2.7	20.1
3 12	10 9.03	+ 7 0.8	2.289	3.240	6.1	20.3
3 22	10 2.65	+ 7 22.3	2.356	3.247	9.3	20.5
4 1	9 58.08	+ 7 37.3	2.447	3.253	12.0	20.7

383712 2007 UG_{8} 2 23.3 48°.15 1°.5/22.2 18

1 22	10 50.61	+14 3.8	1.808	2.654	13.2	20.7
2 1	10 43.84	+14 11.4	1.764	2.683	9.4	20.5
2 11	10 35.11	+14 22.9	1.746	2.713	5.2	20.3
2 21	10 25.36	+14 33.5	1.756	2.743	1.6	20.1
3 2	10 15.66	+14 39.0	1.795	2.773	4.1	20.4
3 12	10 7.11	+14 36.1	1.862	2.803	8.0	20.7
3 22	10 0.46	+14 23.6	1.955	2.833	11.5	20.9
4 1	9 56.18	+14 1.4	2.070	2.864	14.3	21.2

312102 2007 TV_{143} 2 23.3 183°.73 2°.0/21.6 18

1 22	10 50.03	+13 25.8	1.988	2.830	12.4	22.0
2 1	10 43.66	+14 11.3	1.913	2.830	8.9	21.8
2 11	10 35.21	+15 3.2	1.864	2.831	5.0	21.5
2 21	10 25.42	+15 55.5	1.844	2.830	2.0	21.3
3 2	10 15.32	+16 41.8	1.854	2.829	4.5	21.5
3 12	10 5.99	+17 16.7	1.893	2.826	8.4	21.7
3 22	9 58.35	+17 37.4	1.958	2.823	12.0	21.9
4 1	9 53.03	+17 43.0	2.045	2.820	15.1	22.1

503824 2017 KV_{19} 2 23.3 298°.86 2°.1/24.8 17

1 22	10 45.06	+ 2 29.9	1.335	2.177	17.2	21.6
2 1	10 40.98	+ 2 56.4	1.250	2.162	13.1	21.3
2 11	10 34.12	+ 3 46.4	1.186	2.146	8.1	21.0
2 21	10 25.27	+ 4 55.9	1.146	2.131	3.1	20.6
3 2	10 15.69	+ 6 16.8	1.132	2.117	4.2	20.7
3 12	10 6.91	+ 7 38.7	1.144	2.102	9.7	20.9
3 22	10 0.26	+ 8 51.7	1.179	2.088	14.9	21.2
4 1	9 56.65	+ 9 48.7	1.233	2.074	19.4	21.4

462645 2009 ST_{134} 2 23.3 319°.50 1°.9/24.8 17

1 22	10 44.76	+ 3 14.4	1.720	2.550	14.5	21.3
2 1	10 40.13	+ 3 29.7	1.638	2.544	10.9	21.1
2 11	10 33.32	+ 4 1.6	1.580	2.538	6.8	20.8
2 21	10 25.08	+ 4 46.5	1.548	2.533	2.6	20.5
3 2	10 16.41	+ 5 38.9	1.544	2.527	3.5	20.6
3 12	10 8.48	+ 6 32.0	1.567	2.522	7.9	20.8
3 22	10 2.24	+ 7 19.5	1.615	2.517	12.0	21.1
4 1	9 58.38	+ 7 56.6	1.685	2.513	15.6	21.3

375314 2008 RG_{41} 2 23.3 89°.50 0°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.73	+10 48.1	2.089	2.928	11.9	22.1
2 1	10 41.01	+11 22.3	2.031	2.947	8.5	21.9
2 11	10 33.56	+12 3.8	1.999	2.965	4.7	21.7
2 21	10 25.09	+12 47.6	1.996	2.983	1.1	21.4
3 2	10 16.50	+13 28.2	2.022	3.001	3.5	21.7
3 12	10 8.72	+14 1.1	2.077	3.019	7.2	21.9
3 22	10 2.48	+14 23.5	2.159	3.036	10.6	22.2
4 1	9 58.28	+14 33.8	2.263	3.054	13.3	22.4

303457 2005 CU_{4} 2 23.3 10°.27 3°.0/21.5 18

1 22	10 46.62	+14 27.7	1.165	2.040	16.8	20.2
2 1	10 42.15	+15 5.0	1.108	2.041	12.1	19.9
2 11	10 34.70	+15 50.5	1.073	2.044	6.9	19.6
2 21	10 25.35	+16 35.4	1.062	2.047	3.0	19.4
3 2	10 15.65	+17 10.1	1.075	2.052	6.4	19.6
3 12	10 7.28	+17 27.8	1.112	2.058	11.6	19.9
3 22	10 1.46	+17 25.7	1.171	2.065	16.3	20.2
4 1	9 58.90	+17 4.0	1.247	2.072	20.2	20.5

378786 2008 SW_{54} 2 23.3 82°.78 2°.3/25.6 18

1 22	10 43.56	+ 0 24.7	2.024	2.837	13.3	21.2
2 1	10 38.87	+ 0 55.1	1.953	2.847	10.1	21.0
2 11	10 32.43	+ 1 42.4	1.905	2.856	6.4	20.8
2 21	10 24.90	+ 2 42.9	1.885	2.866	3.0	20.6
3 2	10 17.14	+ 3 51.2	1.894	2.876	3.2	20.6
3 12	10 10.07	+ 5 0.5	1.931	2.886	6.7	20.8
3 22	10 4.46	+ 6 5.0	1.996	2.896	10.2	21.1
4 1	10 0.83	+ 6 59.8	2.084	2.906	13.3	21.3

105041 2000 KO_{41} 2 23.3 198°.75 2°.5/26.4 18

1 22	10 42.56	− 1 46.2	2.809	3.596	10.7	20.0
2 1	10 37.81	− 1 22.9	2.716	3.593	8.2	19.8
2 11	10 31.72	− 0 45.9	2.649	3.589	5.5	19.6
2 21	10 24.76	+ 0 2.8	2.610	3.585	3.1	19.5
3 2	10 17.55	+ 0 59.8	2.602	3.581	2.9	19.4
3 12	10 10.77	+ 2 0.6	2.625	3.576	5.4	19.6
3 22	10 5.00	+ 3 0.6	2.675	3.571	8.1	19.8
4 1	10 0.71	+ 3 55.7	2.752	3.565	10.6	19.9

160312 2003 GT_{39} 2 23.3 356°.52 6°.8/18.8 18

1 22	10 45.20	+22 35.3	1.206	2.087	15.8	19.5
2 1	10 41.21	+23 35.7	1.149	2.082	11.8	19.2
2 11	10 34.21	+24 34.4	1.114	2.077	8.1	19.0
2 21	10 25.27	+25 20.2	1.102	2.074	6.9	18.9
3 2	10 15.95	+25 43.3	1.115	2.072	9.6	19.0
3 12	10 7.93	+25 38.4	1.150	2.072	13.7	19.3
3 22	10 2.47	+25 6.2	1.205	2.074	17.7	19.5
4 1	10 0.28	+24 10.1	1.277	2.077	21.2	19.8

410513 2008 EX_{125} 2 23.3 4°.10 6°.6/20.6 16

1 22	10 52.54	+24 6.5	1.071	1.949	17.7	20.1
2 1	10 46.70	+24 8.8	1.017	1.948	13.2	19.9
2 11	10 37.35	+24 3.1	0.984	1.948	8.8	19.6
2 21	10 25.86	+23 40.1	0.974	1.950	6.6	19.5
3 2	10 14.16	+22 53.8	0.988	1.954	9.1	19.6
3 12	10 4.24	+21 43.9	1.025	1.960	13.6	19.9
3 22	9 57.46	+20 14.6	1.082	1.967	18.0	20.2
4 1	9 54.45	+18 31.8	1.157	1.977	21.8	20.5

368066 2012 JU_{3} 2 23.3 23°.91 5°.1/27.8 18

1 22	10 41.78	− 5 47.6	1.470	2.278	17.7	20.3
2 1	10 38.15	− 5 27.0	1.402	2.285	14.0	20.1
2 11	10 32.25	− 4 37.6	1.354	2.292	10.0	19.9
2 21	10 24.89	− 3 22.0	1.329	2.300	6.2	19.7
3 2	10 17.20	− 1 47.0	1.331	2.308	5.3	19.7
3 12	10 10.41	− 0 3.2	1.359	2.317	8.4	19.9
3 22	10 5.49	+ 1 38.7	1.411	2.327	12.4	20.1
4 1	10 3.11	+ 3 9.7	1.486	2.338	16.1	20.4

164813 1999 LC_{8} 2 23.3 172°.00 5°.9/17.3 18

1 22	10 50.39	+24 51.3	2.076	2.926	11.5	20.3
2 1	10 43.96	+26 22.9	2.017	2.930	8.7	20.2
2 11	10 35.40	+27 51.6	1.985	2.934	6.4	20.0
2 21	10 25.49	+29 8.5	1.982	2.937	6.1	20.0
3 2	10 15.28	+30 6.2	2.008	2.939	8.0	20.1
3 12	10 5.92	+30 40.5	2.061	2.940	10.8	20.3
3 22	9 58.33	+30 51.1	2.138	2.941	13.5	20.5
4 1	9 53.12	+30 40.1	2.234	2.940	15.9	20.7

375608 2008 WB_{25} 2 23.3 74°.61 2°.2/21.2 18

1 22	10 45.14	+14 2.3	2.012	2.862	11.8	20.8
2 1	10 40.01	+14 55.4	1.952	2.874	8.4	20.6
2 11	10 33.07	+15 53.9	1.919	2.886	4.8	20.4
2 21	10 25.04	+16 51.6	1.914	2.898	2.2	20.3
3 2	10 16.83	+17 42.4	1.938	2.910	4.6	20.5
3 12	10 9.41	+18 21.1	1.990	2.922	8.1	20.7
3 22	10 3.56	+18 45.1	2.067	2.934	11.4	20.9
4 1	9 59.78	+18 53.7	2.166	2.946	14.2	21.1

456767 2007 TJ_{113} 2 23.3 117°.43 7°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 55.56	+28 56.4	1.899	2.744	12.7	21.4
2 1	10 47.61	+30 7.2	1.859	2.765	9.8	21.3
2 11	10 37.37	+31 8.6	1.846	2.785	7.6	21.2
2 21	10 25.84	+31 52.3	1.860	2.805	7.3	21.2
3 2	10 14.32	+32 12.1	1.902	2.824	9.0	21.4
3 12	10 4.07	+32 6.6	1.971	2.842	11.6	21.5
3 22	9 56.02	+31 37.9	2.062	2.860	14.1	21.8
4 1	9 50.69	+30 50.3	2.174	2.876	16.3	22.0

463606 2013 SS_{61} 2 23.3 9°.14 2°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.42	− 0 37.4	1.675	2.496	15.3	20.6
2 1	10 38.43	− 0 4.5	1.599	2.497	11.7	20.4
2 11	10 32.36	+ 0 50.1	1.546	2.498	7.6	20.2
2 21	10 24.93	+ 2 2.7	1.518	2.499	3.7	19.9
3 2	10 17.15	+ 3 26.4	1.518	2.501	3.7	19.9
3 12	10 10.13	+ 4 52.6	1.546	2.503	7.7	20.2
3 22	10 4.78	+ 6 12.9	1.599	2.506	11.8	20.4
4 1	10 1.76	+ 7 21.0	1.674	2.509	15.4	20.7

191765 2004 TF_{48} 2 23.3 129°.94 1°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.87	+ 3 1.5	2.093	2.912	12.7	21.0
2 1	10 39.80	+ 3 29.4	2.018	2.918	9.5	20.8
2 11	10 32.97	+ 4 11.4	1.968	2.924	5.8	20.6
2 21	10 25.03	+ 5 3.8	1.946	2.930	2.2	20.3
3 2	10 16.85	+ 6 1.6	1.953	2.936	3.0	20.4
3 12	10 9.34	+ 6 58.7	1.989	2.942	6.7	20.6
3 22	10 3.26	+ 7 50.1	2.053	2.947	10.2	20.9
4 1	9 59.16	+ 8 31.7	2.139	2.953	13.3	21.1

63071 2000 WM_{125} 2 23.3 230°.69 4°.8/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.41	− 7 19.9	2.544	3.306	12.3	19.7
2 1	10 38.57	− 7 36.0	2.454	3.304	10.0	19.5
2 11	10 32.22	− 7 35.5	2.387	3.302	7.6	19.3
2 21	10 24.90	− 7 18.6	2.347	3.300	5.4	19.2
3 2	10 17.28	− 6 47.2	2.335	3.298	4.9	19.1
3 12	10 10.14	− 6 5.3	2.353	3.296	6.4	19.2
3 22	10 4.13	− 5 17.6	2.397	3.293	8.9	19.4
4 1	9 59.78	− 4 29.1	2.466	3.291	11.4	19.5

317966 2003 YX_{53} 2 23.3 77°.59 2°.4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.96	+ 1 34.6	1.576	2.398	16.0	21.1
2 1	10 43.01	+ 1 52.3	1.523	2.423	12.0	20.9
2 11	10 34.84	+ 2 28.6	1.493	2.447	7.5	20.7
2 21	10 25.38	+ 3 19.0	1.489	2.472	3.2	20.4
3 2	10 15.83	+ 4 17.0	1.513	2.496	3.8	20.5
3 12	10 7.37	+ 5 15.0	1.565	2.520	7.9	20.8
3 22	10 0.92	+ 6 6.4	1.642	2.544	11.9	21.1
4 1	9 57.03	+ 6 46.9	1.742	2.567	15.3	21.4

381238 2007 TK_{42} 2 23.3 65°.70 1°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.12	+ 2 42.8	2.060	2.881	12.8	21.0
2 1	10 38.55	+ 3 16.4	1.989	2.890	9.5	20.8
2 11	10 32.26	+ 4 4.8	1.943	2.899	5.8	20.6
2 21	10 24.92	+ 5 4.0	1.924	2.909	2.2	20.4
3 2	10 17.35	+ 6 8.4	1.934	2.918	2.9	20.5
3 12	10 10.46	+ 7 11.8	1.974	2.927	6.7	20.7
3 22	10 4.98	+ 8 8.8	2.040	2.937	10.2	20.9
4 1	10 1.45	+ 8 55.2	2.129	2.947	13.2	21.2

319592 2006 SY_{163} 2 23.3 180°.52 3°.3/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.26	− 2 35.6	2.611	3.395	11.5	21.4
2 1	10 39.12	− 2 37.7	2.523	3.395	9.0	21.3
2 11	10 32.51	− 2 25.7	2.461	3.396	6.2	21.1
2 21	10 24.97	− 2 1.2	2.426	3.396	3.8	20.9
3 2	10 17.17	− 1 26.7	2.421	3.396	3.6	20.9
3 12	10 9.86	− 0 46.2	2.445	3.395	5.8	21.1
3 22	10 3.68	− 0 4.0	2.498	3.394	8.6	21.2
4 1	9 59.12	+ 0 35.6	2.575	3.393	11.1	21.4

416103 2002 PY_{66} 2 23.3 200°.83 0°.8/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.22	+ 9 28.1	2.159	2.993	11.8	22.9
2 1	10 41.57	+10 19.8	2.076	2.988	8.5	22.6
2 11	10 34.04	+11 21.5	2.018	2.984	4.8	22.4
2 21	10 25.28	+12 28.0	1.990	2.978	1.0	22.1
3 2	10 16.15	+13 33.0	1.992	2.972	3.6	22.3
3 12	10 7.64	+14 30.4	2.024	2.965	7.5	22.5
3 22	10 0.57	+15 15.9	2.083	2.957	11.1	22.7
4 1	9 55.55	+15 47.2	2.165	2.948	14.1	22.9

496659 2016 BV_{19} 2 23.3 341°.17 2°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.07	+11 52.4	1.287	2.156	16.0	20.5
2 1	10 40.25	+12 43.9	1.217	2.147	11.5	20.2
2 11	10 33.68	+13 48.4	1.168	2.139	6.5	19.9
2 21	10 25.24	+14 57.6	1.144	2.131	2.2	19.6
3 2	10 16.27	+16 1.2	1.146	2.125	5.8	19.8
3 12	10 8.30	+16 50.1	1.172	2.119	11.0	20.1
3 22	10 2.56	+17 19.0	1.221	2.114	15.8	20.3
4 1	9 59.87	+17 26.1	1.287	2.111	19.8	20.6

430714 2004 EQ_{11} 2 23.3 15°.23 5°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.43	+21 12.0	1.391	2.265	14.6	19.6
2 1	10 40.86	+21 58.9	1.344	2.274	10.7	19.4
2 11	10 33.78	+22 44.4	1.320	2.285	6.9	19.2
2 21	10 25.22	+23 19.5	1.322	2.297	5.4	19.2
3 2	10 16.52	+23 36.9	1.348	2.310	7.8	19.3
3 12	10 9.06	+23 33.0	1.399	2.324	11.6	19.6
3 22	10 3.84	+23 7.8	1.473	2.340	15.2	19.8
4 1	10 1.42	+22 23.9	1.565	2.357	18.3	20.1

32353 2000 QX_{118} 2 23.3 299°.12 1°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.87	+ 5 27.3	2.236	3.058	11.9	17.8
2 1	10 40.52	+ 5 23.1	2.148	3.050	8.9	17.6
2 11	10 33.42	+ 5 28.9	2.085	3.042	5.4	17.4
2 21	10 25.16	+ 5 42.3	2.049	3.035	1.9	17.1
3 2	10 16.57	+ 6 0.0	2.044	3.027	2.9	17.2
3 12	10 8.55	+ 6 18.1	2.068	3.019	6.6	17.4
3 22	10 1.88	+ 6 33.1	2.118	3.012	10.0	17.6
4 1	9 57.13	+ 6 42.2	2.192	3.004	13.0	17.8

213013 1995 SN_{25} 2 23.3 37°.93 3°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.03	+21 3.7	2.099	2.951	11.3	20.3
2 1	10 42.08	+21 35.5	2.037	2.956	8.3	20.1
2 11	10 34.26	+22 5.9	2.001	2.962	5.3	19.9
2 21	10 25.30	+22 29.2	1.993	2.967	3.9	19.8
3 2	10 16.19	+22 40.6	2.014	2.973	5.8	19.9
3 12	10 7.93	+22 37.2	2.063	2.979	8.9	20.1
3 22	10 1.32	+22 18.5	2.136	2.985	11.9	20.3
4 1	9 56.87	+21 45.9	2.232	2.992	14.4	20.5

372532 2009 SO_{363} 2 23.3 147°.81 1°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.27	+11 0.7	1.997	2.838	12.3	21.8
2 1	10 41.63	+11 36.5	1.926	2.843	8.9	21.6
2 11	10 34.05	+12 20.4	1.881	2.847	5.0	21.4
2 21	10 25.28	+13 7.0	1.864	2.852	1.2	21.1
3 2	10 16.25	+13 50.7	1.876	2.856	3.8	21.3
3 12	10 7.98	+14 26.1	1.918	2.859	7.8	21.5
3 22	10 1.31	+14 50.0	1.985	2.863	11.3	21.8
4 1	9 56.80	+15 0.7	2.074	2.866	14.4	22.0

450456 2005 UR_{525} 2 23.3 102°.06 5°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.26	+19 18.7	1.454	2.315	14.9	21.7
2 1	10 45.72	+20 29.6	1.407	2.331	10.8	21.5
2 11	10 36.52	+21 41.6	1.383	2.347	6.8	21.3
2 21	10 25.75	+22 44.4	1.386	2.362	5.0	21.2
3 2	10 14.83	+23 29.2	1.416	2.377	7.6	21.4
3 12	10 5.24	+23 50.9	1.472	2.391	11.6	21.6
3 22	9 58.06	+23 49.3	1.551	2.405	15.3	21.9
4 1	9 53.88	+23 26.8	1.649	2.419	18.4	22.1

144434 2004 EF_{33} 2 23.3 100°.83 3°.6/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.79	+ 0 6.9	1.832	2.636	14.8	19.4
2 1	10 44.22	− 0 16.6	1.764	2.650	11.4	19.3
2 11	10 35.54	− 0 24.2	1.720	2.664	7.6	19.1
2 21	10 25.57	− 0 17.3	1.702	2.678	4.2	18.9
3 2	10 15.37	+ 0 0.9	1.714	2.692	4.3	18.9
3 12	10 6.07	+ 0 25.6	1.754	2.706	7.5	19.1
3 22	9 58.58	+ 0 51.5	1.821	2.719	11.1	19.4
4 1	9 53.49	+ 1 14.1	1.910	2.732	14.3	19.6

183513 2003 FR_{53} 2 23.3 304°.50 5°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.39	+26 22.1	2.240	3.097	10.5	19.8
2 1	10 39.61	+27 41.1	2.172	3.087	8.1	19.6
2 11	10 32.95	+28 56.9	2.131	3.078	6.2	19.5
2 21	10 25.08	+30 1.9	2.118	3.068	6.1	19.4
3 2	10 16.89	+30 49.7	2.132	3.059	7.9	19.5
3 12	10 9.35	+31 16.3	2.173	3.050	10.4	19.7
3 22	10 3.30	+31 21.0	2.237	3.041	13.0	19.8
4 1	9 59.33	+31 5.2	2.321	3.033	15.2	20.0

470163 2006 UP_{149} 2 23.3 133°.41 4°.8/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 41.91	−10 25.0	2.753	3.494	12.0	21.7
2 1	10 37.36	−10 11.4	2.669	3.503	9.8	21.6
2 11	10 31.49	− 9 39.2	2.608	3.512	7.5	21.5
2 21	10 24.79	− 8 49.6	2.574	3.520	5.5	21.3
3 2	10 17.89	− 7 45.3	2.569	3.528	4.8	21.3
3 12	10 11.48	− 6 31.1	2.593	3.535	6.0	21.4
3 22	10 6.12	− 5 12.6	2.646	3.543	8.1	21.5
4 1	10 2.26	− 3 55.2	2.725	3.550	10.4	21.7

201936 2004 EV_{14} 2 23.3 27°.96 2°.0/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.55	+12 44.5	2.140	2.989	11.3	19.6
2 1	10 38.18	+13 53.3	2.069	2.991	8.0	19.4
2 11	10 32.09	+15 9.7	2.025	2.992	4.5	19.2
2 21	10 24.91	+16 27.4	2.009	2.994	2.0	19.0
3 2	10 17.47	+17 39.4	2.023	2.996	4.4	19.2
3 12	10 10.66	+18 39.9	2.066	2.998	7.9	19.4
3 22	10 5.23	+19 25.1	2.134	3.000	11.2	19.6
4 1	10 1.72	+19 53.6	2.224	3.002	13.9	19.8

174940 2004 CE_{70} 2 23.3 30°.16 3°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.30	+18 3.1	2.033	2.892	11.4	19.4
2 1	10 38.82	+19 23.4	1.970	2.894	8.2	19.3
2 11	10 32.49	+20 46.9	1.933	2.898	5.1	19.1
2 21	10 25.00	+22 6.1	1.925	2.901	3.9	19.0
3 2	10 17.24	+23 13.6	1.946	2.905	6.1	19.1
3 12	10 10.20	+24 3.9	1.994	2.908	9.3	19.3
3 22	10 4.67	+24 34.6	2.067	2.912	12.3	19.5
4 1	10 1.22	+24 45.7	2.160	2.916	15.0	19.7

169149 2001 QO_{133} 2 23.3 181°.78 3°.5/27.1 17

1 22	10 43.83	− 3 28.6	2.496	3.279	12.0	20.3
2 1	10 38.88	− 3 27.2	2.409	3.279	9.4	20.1
2 11	10 32.42	− 3 10.5	2.346	3.280	6.6	19.9
2 21	10 24.98	− 2 39.7	2.311	3.279	4.1	19.8
3 2	10 17.28	− 1 57.9	2.305	3.279	3.8	19.7
3 12	10 10.08	− 1 9.4	2.328	3.279	6.0	19.9
3 22	10 4.05	− 0 19.1	2.379	3.278	8.9	20.1
4 1	9 59.69	+ 0 28.3	2.455	3.277	11.5	20.2

122973 2000 SD_{229} 2 23.3 139°.18 0°.5/22.9 18

1 22	10 46.49	+ 9 22.9	1.925	2.765	12.8	20.5
2 1	10 41.14	+ 9 54.2	1.852	2.767	9.2	20.3
2 11	10 33.83	+10 35.2	1.804	2.770	5.2	20.0
2 21	10 25.27	+11 21.1	1.784	2.772	1.0	19.7
3 2	10 16.42	+12 5.9	1.793	2.774	3.6	19.9
3 12	10 8.33	+12 44.1	1.830	2.776	7.7	20.2
3 22	10 1.84	+13 11.9	1.893	2.778	11.5	20.4
4 1	9 57.57	+13 27.0	1.978	2.780	14.6	20.6

333208 2012 HR_{8} 2 23.3 252°.75 6°.0/17.5 17

1 22	10 50.87	+26 37.2	2.166	3.013	11.2	21.7
2 1	10 44.45	+27 41.9	2.084	2.994	8.7	21.5
2 11	10 35.81	+28 42.9	2.028	2.974	6.5	21.3
2 21	10 25.67	+29 32.5	2.000	2.954	6.2	21.2
3 2	10 15.06	+30 3.7	2.001	2.933	8.0	21.3
3 12	10 5.16	+30 12.8	2.030	2.911	10.8	21.4
3 22	9 56.94	+29 59.4	2.082	2.889	13.7	21.6
4 1	9 51.10	+29 25.7	2.154	2.866	16.2	21.7

55363 2001 SZ_{178} 2 23.3 35°.95 1°.6/25.1 18

1 22	10 41.81	+ 1 51.9	2.235	3.051	12.1	19.2
2 1	10 37.56	+ 2 29.9	2.155	3.053	9.1	19.0
2 11	10 31.71	+ 3 22.9	2.100	3.055	5.6	18.8
2 21	10 24.86	+ 4 27.0	2.073	3.057	2.3	18.6
3 2	10 17.74	+ 5 37.2	2.076	3.059	2.8	18.6
3 12	10 11.20	+ 6 47.2	2.108	3.062	6.3	18.8
3 22	10 5.92	+ 7 51.6	2.167	3.064	9.7	19.0
4 1	10 2.43	+ 8 46.1	2.250	3.067	12.6	19.2

136670 1995 SU_{16} 2 23.3 193°.39 1°.0/22.3 17

1 22	10 45.47	+12 18.4	2.616	3.451	9.9	20.7
2 1	10 39.99	+12 44.0	2.536	3.450	7.1	20.5
2 11	10 33.02	+13 14.6	2.482	3.448	4.0	20.3
2 21	10 25.10	+13 46.4	2.459	3.446	1.1	20.1
3 2	10 16.97	+14 15.5	2.466	3.444	3.2	20.3
3 12	10 9.38	+14 38.2	2.503	3.441	6.4	20.5
3 22	10 2.97	+14 52.3	2.567	3.438	9.3	20.6
4 1	9 58.25	+14 56.3	2.656	3.435	11.9	20.8

67460 2000 QS_{181} 2 23.3 79°.47 0°.8/23.9 18

1 22	10 49.85	+ 5 44.2	1.505	2.342	15.8	19.2
2 1	10 43.77	+ 6 9.7	1.453	2.364	11.6	19.0
2 11	10 35.35	+ 6 50.3	1.424	2.386	6.8	18.8
2 21	10 25.55	+ 7 40.4	1.421	2.408	1.8	18.5
3 2	10 15.64	+ 8 32.7	1.446	2.430	3.7	18.7
3 12	10 6.90	+ 9 20.0	1.499	2.451	8.5	19.0
3 22	10 0.28	+ 9 57.2	1.576	2.472	12.7	19.3
4 1	9 56.35	+10 21.1	1.675	2.493	16.1	19.6

111443 2001 XU_{235} 2 23.3 110°.09 0°.8/22.7 18

1 22	10 47.33	+10 14.6	1.880	2.721	12.9	19.7
2 1	10 41.75	+10 47.5	1.812	2.729	9.3	19.5
2 11	10 34.16	+11 29.5	1.770	2.736	5.2	19.3
2 21	10 25.34	+12 15.1	1.756	2.744	1.1	19.0
3 2	10 16.27	+12 58.3	1.771	2.751	3.8	19.2
3 12	10 8.04	+13 33.8	1.814	2.758	7.9	19.5
3 22	10 1.49	+13 57.9	1.883	2.765	11.6	19.7
4 1	9 57.21	+14 9.0	1.973	2.772	14.8	19.9

279562 2011 CH_{78} 2 23.3 209°.76 0°.8/24.1 17

1 22	10 45.64	+ 5 37.6	2.051	2.878	12.6	21.3
2 1	10 40.48	+ 6 3.7	1.969	2.876	9.3	21.1
2 11	10 33.46	+ 6 42.3	1.912	2.873	5.5	20.8
2 21	10 25.22	+ 7 29.4	1.883	2.870	1.5	20.6
3 2	10 16.64	+ 8 19.8	1.883	2.867	3.0	20.7
3 12	10 8.72	+ 9 7.9	1.913	2.863	7.1	20.9
3 22	10 2.25	+ 9 48.8	1.969	2.860	10.8	21.1
4 1	9 57.85	+10 19.3	2.047	2.856	13.9	21.3

343108 2009 DS_{101} 2 23.3 28°.25 1°.7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 42.32	+11 58.3	2.153	3.001	11.3	20.4
2 1	10 38.00	+13 1.9	2.083	3.004	8.0	20.2
2 11	10 31.99	+14 13.4	2.039	3.007	4.5	20.0
2 21	10 24.92	+15 26.8	2.024	3.010	1.7	19.8
3 2	10 17.61	+16 35.6	2.038	3.013	4.1	20.0
3 12	10 10.92	+17 33.9	2.080	3.016	7.7	20.2
3 22	10 5.60	+18 18.0	2.149	3.019	10.9	20.4
4 1	10 2.17	+18 46.2	2.240	3.023	13.7	20.6

11372 1998 QP_{41} 2 23.3 176°.23 0°.6/22.8 18

1 22	10 45.76	+ 9 53.2	2.213	3.049	11.5	18.7
2 1	10 40.42	+10 25.4	2.136	3.050	8.3	18.4
2 11	10 33.35	+11 5.8	2.086	3.051	4.7	18.2
2 21	10 25.19	+11 50.0	2.063	3.051	0.9	17.9
3 2	10 16.76	+12 32.9	2.071	3.052	3.3	18.1
3 12	10 8.98	+13 9.6	2.108	3.052	7.0	18.4
3 22	10 2.58	+13 36.8	2.172	3.052	10.4	18.6
4 1	9 58.13	+13 52.5	2.258	3.051	13.3	18.8

270464 2002 CJ_{280} 2 23.4 357°.61 4°.7/26.0 18

1 22	10 44.32	+ 0 46.6	1.256	2.097	18.1	19.7
2 1	10 40.43	+ 0 1.8	1.185	2.091	14.1	19.5
2 11	10 33.80	− 0 23.1	1.134	2.087	9.6	19.2
2 21	10 25.32	− 0 28.5	1.106	2.084	5.5	19.0
3 2	10 16.33	− 0 17.2	1.103	2.083	5.5	19.0
3 12	10 8.33	+ 0 4.5	1.124	2.084	9.6	19.2
3 22	10 2.56	+ 0 29.5	1.167	2.086	14.2	19.4
4 1	9 59.81	+ 0 51.1	1.230	2.090	18.2	19.7

37410 2001 XQ_{118} 2 23.4 162°.58 3°.0/20.7 18

1 22	10 49.92	+15 37.1	1.874	2.722	12.7	19.4
2 1	10 43.70	+16 41.1	1.808	2.728	9.1	19.2
2 11	10 35.32	+17 50.2	1.768	2.734	5.3	19.0
2 21	10 25.58	+18 56.9	1.757	2.739	3.1	18.8
3 2	10 15.56	+19 53.6	1.775	2.743	5.5	19.0
3 12	10 6.40	+20 34.8	1.821	2.746	9.3	19.2
3 22	9 59.05	+20 57.9	1.892	2.749	12.8	19.4
4 1	9 54.13	+21 2.8	1.985	2.751	15.8	19.6

230529 2002 XX_{28} 2 23.4 145°.45 2°.9/20.9 18

1 22	10 51.34	+14 29.2	1.736	2.583	13.6	20.4
2 1	10 44.80	+15 35.5	1.675	2.595	9.7	20.2
2 11	10 35.96	+16 48.2	1.640	2.606	5.6	20.0
2 21	10 25.70	+17 59.2	1.633	2.616	2.9	19.9
3 2	10 15.20	+19 0.1	1.655	2.626	5.5	20.0
3 12	10 5.70	+19 45.0	1.706	2.635	9.6	20.3
3 22	9 58.17	+20 11.1	1.781	2.642	13.3	20.5
4 1	9 53.24	+20 18.3	1.877	2.649	16.4	20.8

81550 2000 HU_{23} 2 23.4 120°.73 5°.2/17.8 18

1 22	10 50.03	+24 53.7	2.320	3.166	10.6	18.7
2 1	10 43.38	+26 10.5	2.276	3.188	7.9	18.6
2 11	10 34.95	+27 22.9	2.260	3.209	5.8	18.5
2 21	10 25.49	+28 24.0	2.273	3.230	5.3	18.5
3 2	10 15.94	+29 8.1	2.316	3.249	7.0	18.6
3 12	10 7.25	+29 32.4	2.387	3.268	9.4	18.8
3 22	10 0.18	+29 36.9	2.482	3.286	11.8	19.0
4 1	9 55.21	+29 23.5	2.598	3.303	13.9	19.2

90431 2004 BY_{55} 2 23.4 15°.96 1°.3/24.8 18 R

1 22	10 42.06	+ 2 25.4	2.116	2.937	12.5	19.4
2 1	10 37.84	+ 3 11.7	2.036	2.937	9.3	19.2
2 11	10 31.93	+ 4 13.7	1.981	2.938	5.7	19.0
2 21	10 24.93	+ 5 27.2	1.954	2.939	2.0	18.7
3 2	10 17.65	+ 6 46.4	1.956	2.939	2.9	18.8
3 12	10 10.96	+ 8 4.2	1.987	2.940	6.6	19.0
3 22	10 5.60	+ 9 14.7	2.045	2.941	10.2	19.3
4 1	10 2.13	+10 13.5	2.127	2.942	13.3	19.5

235604 2004 PQ_{61} 2 23.4 156°.93 4°.1/20.2 18

1 22	10 53.87	+19 41.7	1.831	2.679	13.0	20.8
2 1	10 46.57	+20 27.8	1.768	2.686	9.4	20.6
2 11	10 36.95	+21 14.1	1.731	2.693	5.9	20.4
2 21	10 25.90	+21 53.0	1.723	2.699	4.1	20.3
3 2	10 14.64	+22 18.2	1.744	2.705	6.4	20.5
3 12	10 4.43	+22 25.8	1.792	2.710	9.9	20.7
3 22	9 56.23	+22 15.2	1.866	2.714	13.3	20.9
4 1	9 50.68	+21 48.1	1.960	2.717	16.2	21.1

437721 2014 DA_{111} 2 23.4 316°.74 2°.8/20.5 17

1 22	10 43.50	+16 22.0	2.214	3.067	10.8	20.9
2 1	10 38.88	+17 14.6	2.138	3.060	7.8	20.7
2 11	10 32.53	+18 11.3	2.088	3.054	4.6	20.5
2 21	10 25.06	+19 6.2	2.067	3.048	2.8	20.4
3 2	10 17.30	+19 53.5	2.075	3.042	4.9	20.5
3 12	10 10.15	+20 28.4	2.111	3.036	8.2	20.7
3 22	10 4.36	+20 48.3	2.172	3.031	11.3	20.9
4 1	10 0.51	+20 52.7	2.255	3.025	14.0	21.1

225410 1999 XA_{76} 2 23.4 94°.30 3°.4/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.19	− 0 6.0	1.406	2.227	17.6	19.7
2 1	10 44.25	+ 0 4.5	1.348	2.245	13.4	19.5
2 11	10 35.75	+ 0 37.5	1.311	2.262	8.7	19.3
2 21	10 25.69	+ 1 29.0	1.299	2.279	4.3	19.0
3 2	10 15.39	+ 2 32.3	1.314	2.296	4.4	19.1
3 12	10 6.28	+ 3 38.3	1.356	2.313	8.7	19.4
3 22	9 59.40	+ 4 38.9	1.423	2.329	13.1	19.7
4 1	9 55.39	+ 5 28.2	1.511	2.345	16.8	19.9

170689 2004 BN_2 2 23.4 83°.93 2°.2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.15	+ 1 47.1	2.225	3.032	12.5	20.5
2 1	10 41.24	+ 1 50.0	2.165	3.056	9.4	20.3
2 11	10 33.73	+ 2 5.7	2.129	3.079	6.0	20.2
2 21	10 25.27	+ 2 31.8	2.122	3.103	2.8	20.0
3 2	10 16.72	+ 3 4.3	2.145	3.126	3.1	20.0
3 12	10 8.93	+ 3 38.8	2.197	3.149	6.2	20.3
3 22	10 2.57	+ 4 11.1	2.277	3.172	9.3	20.5
4 1	9 58.11	+ 4 37.7	2.380	3.194	12.1	20.7

165287 2000 SK_{353} 2 23.4 130°.63 4°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.11	+18 14.9	1.635	2.492	13.7	20.4
2 1	10 44.08	+19 20.9	1.577	2.500	9.9	20.2
2 11	10 35.62	+20 29.8	1.543	2.507	6.1	20.0
2 21	10 25.67	+21 32.5	1.536	2.514	4.3	19.9
3 2	10 15.45	+22 20.9	1.558	2.521	6.8	20.1
3 12	10 6.29	+22 49.6	1.606	2.527	10.6	20.3
3 22	9 59.21	+22 57.0	1.678	2.533	14.3	20.5
4 1	9 54.84	+22 44.4	1.769	2.539	17.3	20.8

173267 1999 RG_{190} 2 23.4 207°.70 2°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.97	+ 0 32.1	2.781	3.576	10.6	20.5
2 1	10 39.59	+ 0 25.3	2.690	3.572	8.1	20.3
2 11	10 32.81	+ 0 29.3	2.624	3.568	5.4	20.1
2 21	10 25.11	+ 0 43.0	2.588	3.564	2.9	19.9
3 2	10 17.17	+ 1 3.9	2.581	3.560	3.0	19.9
3 12	10 9.67	+ 1 28.6	2.605	3.555	5.5	20.1
3 22	10 3.23	+ 1 53.9	2.657	3.551	8.2	20.2
4 1	9 58.33	+ 2 16.5	2.735	3.546	10.8	20.4

267088 1999 VS_{126} 2 23.4 99°.59 3°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.03	+17 56.2	2.012	2.863	11.8	20.3
2 1	10 42.15	+18 43.2	1.953	2.874	8.5	20.1
2 11	10 34.35	+19 31.8	1.921	2.885	5.1	19.9
2 21	10 25.41	+20 15.9	1.917	2.896	3.3	19.8
3 2	10 16.31	+20 49.4	1.942	2.907	5.4	20.0
3 12	10 8.07	+21 8.5	1.995	2.918	8.8	20.2
3 22	10 1.51	+21 11.7	2.073	2.929	11.9	20.4
4 1	9 57.15	+20 59.6	2.173	2.939	14.6	20.6

495231 2013 HR_4 2 23.4 40°.57 4°.5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.93	+16 40.2	1.370	2.239	15.2	20.8
2 1	10 42.14	+18 3.5	1.314	2.243	10.9	20.5
2 11	10 34.67	+19 33.2	1.281	2.248	6.6	20.3
2 21	10 25.50	+20 58.3	1.274	2.254	4.5	20.2
3 2	10 16.00	+22 7.9	1.294	2.259	7.5	20.4
3 12	10 7.64	+22 54.5	1.338	2.265	11.8	20.6
3 22	10 1.55	+23 15.5	1.405	2.271	15.8	20.9
4 1	9 58.42	+23 11.9	1.490	2.277	19.2	21.1

218613 2005 PE_9 2 23.4 246°.73 3°.0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.92	+15 13.8	1.876	2.728	12.5	21.2
2 1	10 41.69	+16 16.4	1.796	2.718	9.0	20.9
2 11	10 34.30	+17 25.7	1.741	2.708	5.2	20.7
2 21	10 25.44	+18 34.6	1.715	2.697	3.0	20.5
3 2	10 16.14	+19 35.1	1.717	2.686	5.5	20.7
3 12	10 7.55	+20 21.1	1.747	2.675	9.4	20.9
3 22	10 0.62	+20 49.0	1.802	2.663	13.1	21.1
4 1	9 56.06	+20 58.1	1.877	2.652	16.3	21.3

271816 2004 TU_{123} 2 23.4 87°.85 0°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.52	+ 8 2.6	1.960	2.797	12.7	20.8
2 1	10 40.32	+ 8 53.4	1.901	2.815	9.1	20.7
2 11	10 33.31	+ 9 55.0	1.867	2.832	5.1	20.4
2 21	10 25.22	+11 1.8	1.861	2.849	0.9	20.2
3 2	10 16.96	+12 7.0	1.885	2.866	3.4	20.4
3 12	10 9.51	+13 4.6	1.937	2.883	7.4	20.7
3 22	10 3.63	+13 50.3	2.016	2.899	10.9	20.9
4 1	9 59.83	+14 21.7	2.117	2.915	13.9	21.1

407744 2011 VS_{16} 2 23.4 74°.57 0°.7/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.35	+ 6 39.9	1.467	2.307	16.0	20.9
2 1	10 44.23	+ 6 56.7	1.413	2.326	11.7	20.7
2 11	10 35.68	+ 7 27.6	1.382	2.346	6.8	20.5
2 21	10 25.69	+ 8 7.2	1.378	2.365	1.7	20.2
3 2	10 15.56	+ 8 48.9	1.401	2.384	3.8	20.4
3 12	10 6.63	+ 9 25.8	1.451	2.404	8.7	20.7
3 22	9 59.88	+ 9 53.0	1.526	2.423	13.0	21.0
4 1	9 55.90	+10 8.0	1.621	2.442	16.5	21.3

119204 2001 QV_{128} 2 23.4 271°.46 3°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.97	− 1 11.9	1.496	2.314	16.9	19.9
2 1	10 42.26	− 1 3.7	1.403	2.297	13.2	19.6
2 11	10 34.90	− 0 31.6	1.331	2.280	8.9	19.3
2 21	10 25.61	+ 0 22.6	1.283	2.262	4.8	19.0
3 2	10 15.57	+ 1 33.6	1.263	2.244	4.7	19.0
3 12	10 6.19	+ 2 52.5	1.269	2.226	9.1	19.2
3 22	9 58.74	+ 4 9.8	1.299	2.208	13.9	19.4
4 1	9 54.14	+ 5 17.4	1.350	2.189	18.2	19.6

262809 2007 AA_5 2 23.4 100°.93 1°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.80	+11 12.0	1.883	2.726	12.9	21.0
2 1	10 42.02	+12 4.7	1.826	2.744	9.2	20.8
2 11	10 34.30	+13 5.6	1.796	2.762	5.1	20.6
2 21	10 25.42	+14 8.3	1.793	2.780	1.5	20.4
3 2	10 16.40	+15 5.9	1.820	2.798	4.1	20.6
3 12	10 8.28	+15 52.7	1.876	2.815	8.1	20.9
3 22	10 1.86	+16 25.3	1.957	2.832	11.6	21.1
4 1	9 57.70	+16 42.5	2.060	2.848	14.6	21.4

89600 2001 XF_{166} 2 23.4 176°.64 0°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.04	+ 8 13.6	1.889	2.723	13.3	20.8
2 1	10 43.08	+ 9 0.9	1.814	2.725	9.6	20.6
2 11	10 35.02	+10 0.3	1.763	2.727	5.5	20.4
2 21	10 25.60	+11 5.9	1.741	2.729	1.0	20.0
3 2	10 15.83	+12 10.8	1.748	2.729	3.7	20.2
3 12	10 6.82	+13 8.2	1.785	2.729	8.0	20.5
3 22	9 59.51	+13 53.4	1.847	2.728	11.9	20.7
4 1	9 54.53	+14 23.8	1.932	2.726	15.2	20.9

28231 1999 AL_5 2 23.4 25°.21 2°.0/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 55.96	+ 7 2.2	1.679	2.503	15.1	17.8
2 1	10 48.28	+ 6 14.2	1.601	2.504	11.3	17.5
2 11	10 38.06	+ 5 34.6	1.548	2.506	6.9	17.3
2 21	10 26.20	+ 5 2.1	1.522	2.507	2.6	17.0
3 2	10 13.96	+ 4 35.0	1.527	2.509	3.9	17.1
3 12	10 2.73	+ 4 10.7	1.560	2.511	8.4	17.3
3 22	9 53.61	+ 3 46.7	1.619	2.513	12.6	17.6
4 1	9 47.30	+ 3 20.9	1.701	2.515	16.1	17.8

399837 2005 UT_8 2 23.4 69°.69 3°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.54	− 3 27.5	1.741	2.539	15.8	20.7
2 1	10 41.83	− 3 9.6	1.690	2.571	12.2	20.5
2 11	10 34.17	− 2 30.2	1.663	2.603	8.3	20.4
2 21	10 25.41	− 1 32.9	1.661	2.634	4.8	20.2
3 2	10 16.58	− 0 23.6	1.687	2.665	4.3	20.2
3 12	10 8.76	+ 0 49.9	1.742	2.696	7.3	20.5
3 22	10 2.73	+ 2 0.3	1.823	2.727	10.8	20.8
4 1	9 59.00	+ 3 1.8	1.927	2.757	13.9	21.0

495900 2005 QW_{27} 2 23.4 179°.13 4°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.05	+21 37.1	1.979	2.829	12.0	21.3
2 1	10 44.49	+22 21.6	1.912	2.830	8.8	21.1
2 11	10 35.78	+23 4.7	1.871	2.830	5.8	20.9
2 21	10 25.75	+23 39.5	1.858	2.831	4.5	20.8
3 2	10 15.46	+24 0.2	1.875	2.830	6.5	20.9
3 12	10 6.08	+24 3.2	1.919	2.830	9.7	21.1
3 22	9 58.51	+23 48.2	1.988	2.829	12.9	21.3
4 1	9 53.35	+23 16.8	2.077	2.828	15.6	21.5

336039 2007 VN_{287} 2 23.4 62°.45 7°.6/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.37	+30 47.7	2.049	2.901	11.6	19.7
2 1	10 41.75	+32 30.9	2.023	2.928	9.2	19.6
2 11	10 34.15	+34 3.6	2.024	2.954	7.7	19.5
2 21	10 25.42	+35 17.5	2.053	2.981	7.9	19.6
3 2	10 16.63	+36 6.6	2.108	3.007	9.5	19.7
3 12	10 8.84	+36 28.8	2.188	3.034	11.6	19.9
3 22	10 2.87	+36 25.8	2.290	3.060	13.7	20.1
4 1	9 59.20	+36 1.0	2.410	3.086	15.5	20.3

9138 Murdoch 2 23.4 359°.22 1°.1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.37	+ 4 38.0	1.221	2.072	17.9	17.6
2 1	10 42.01	+ 5 11.6	1.153	2.071	13.3	17.4
2 11	10 34.78	+ 6 7.1	1.106	2.070	7.9	17.1
2 21	10 25.61	+ 7 18.2	1.083	2.070	2.2	16.7
3 2	10 15.92	+ 8 35.5	1.086	2.070	4.3	16.8
3 12	10 7.32	+ 9 47.9	1.113	2.071	10.0	17.2
3 22	10 1.09	+10 46.9	1.163	2.071	15.2	17.5
4 1	9 58.02	+11 27.4	1.233	2.073	19.5	17.7

245762 2006 EO_{65} 2 23.4 54°.30 0°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.32	+ 6 20.1	1.412	2.257	16.3	20.9
2 1	10 43.05	+ 6 40.2	1.345	2.261	12.0	20.6
2 11	10 35.20	+ 7 16.2	1.301	2.265	7.0	20.4
2 21	10 25.67	+ 8 2.9	1.283	2.270	1.8	20.0
3 2	10 15.77	+ 8 52.8	1.291	2.275	4.0	20.2
3 12	10 6.92	+ 9 38.3	1.325	2.280	9.1	20.5
3 22	10 0.24	+10 13.4	1.384	2.285	13.8	20.8
4 1	9 56.43	+10 34.5	1.462	2.290	17.6	21.0

169616 2002 GN_{121} 2 23.4 325.°88 2.°1/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.25	+ 1 44.5	1.400	2.237	16.8	20.3
2 1	10 40.24	+ 2 17.9	1.322	2.231	12.7	20.0
2 11	10 33.69	+ 3 14.7	1.266	2.225	8.0	19.7
2 21	10 25.40	+ 4 30.2	1.234	2.219	3.1	19.4
3 2	10 16.56	+ 5 56.3	1.229	2.214	4.0	19.4
3 12	10 8.59	+ 7 22.5	1.250	2.209	9.0	19.7
3 22	10 2.63	+ 8 39.5	1.295	2.204	13.9	20.0
4 1	9 59.48	+ 9 40.5	1.361	2.200	18.0	20.2

248902 2006 UC_{347} 2 23.4 115.°43 2.°7/20.5 18

1 22	10 46.11	+12 52.3	1.899	2.748	12.5	20.0
2 1	10 40.92	+14 33.7	1.841	2.763	8.9	19.8
2 11	10 33.75	+16 23.5	1.810	2.777	5.0	19.6
2 21	10 25.37	+18 12.7	1.808	2.791	2.7	19.5
3 2	10 16.75	+19 52.3	1.836	2.804	5.3	19.7
3 12	10 8.94	+21 14.7	1.893	2.817	9.0	19.9
3 22	10 2.78	+22 16.1	1.975	2.830	12.4	20.2
4 1	9 58.84	+22 55.7	2.078	2.842	15.2	20.4

503540 2016 FK_{27} 2 23.4 270.°72 2.°0/25.3 17

1 22	10 44.14	+ 1 6.9	1.969	2.784	13.5	21.9
2 1	10 39.64	+ 1 40.6	1.871	2.767	10.3	21.6
2 11	10 33.15	+ 2 32.5	1.797	2.750	6.6	21.4
2 21	10 25.29	+ 3 39.6	1.750	2.733	2.8	21.1
3 2	10 16.92	+ 4 56.2	1.732	2.716	3.3	21.1
3 12	10 9.07	+ 6 14.9	1.743	2.698	7.3	21.3
3 22	10 2.64	+ 7 28.8	1.781	2.680	11.3	21.5
4 1	9 58.35	+ 8 32.0	1.841	2.662	14.8	21.7

67869 2000 WP_{31} 2 23.4 108.°32 3.°9/20.2 18

1 22	10 48.65	+16 19.6	1.591	2.450	14.0	19.5
2 1	10 43.07	+17 37.3	1.535	2.460	10.0	19.2
2 11	10 35.10	+19 0.2	1.504	2.471	6.0	19.0
2 21	10 25.65	+20 19.0	1.501	2.481	3.9	18.9
3 2	10 15.95	+21 24.4	1.525	2.491	6.6	19.1
3 12	10 7.30	+22 10.1	1.576	2.500	10.5	19.3
3 22	10 0.69	+22 33.6	1.650	2.509	14.2	19.6
4 1	9 56.77	+22 35.6	1.744	2.518	17.3	19.8

55950 1998 HG_{58} 2 23.4 240.°11 0.°1/23.5 18

1 22	10 43.27	+ 7 35.1	2.617	3.444	10.2	20.2
2 1	10 38.51	+ 8 6.7	2.527	3.435	7.4	20.0
2 11	10 32.28	+ 8 47.2	2.463	3.426	4.3	19.8
2 21	10 25.10	+ 9 33.1	2.428	3.416	0.9	19.5
3 2	10 17.63	+10 20.3	2.424	3.407	2.6	19.7
3 12	10 10.61	+11 4.2	2.450	3.397	6.0	19.9
3 22	10 4.69	+11 41.3	2.503	3.387	9.1	20.1
4 1	10 0.37	+12 9.0	2.581	3.376	11.8	20.2

93372 2000 SV_{269} 2 23.4 162.°91 1.°5/21.8 18

1 22	10 46.00	+11 54.8	2.161	3.003	11.5	20.6
2 1	10 40.68	+12 47.7	2.089	3.007	8.2	20.4
2 11	10 33.57	+13 48.1	2.044	3.010	4.6	20.1
2 21	10 25.35	+14 50.3	2.027	3.013	1.6	19.9
3 2	10 16.86	+15 48.2	2.040	3.016	4.0	20.1
3 12	10 9.05	+16 36.4	2.082	3.018	7.6	20.3
3 22	10 2.67	+17 11.5	2.150	3.020	10.9	20.5
4 1	9 58.29	+17 32.0	2.241	3.022	13.8	20.7

104173 2000 EE_{83} 2 23.4 325.°18 5.°5/18.6 18

1 22	10 49.23	+25 4.2	2.010	2.863	11.7	18.8
2 1	10 43.20	+25 51.6	1.945	2.861	8.8	18.6
2 11	10 35.07	+26 34.9	1.906	2.858	6.3	18.5
2 21	10 25.64	+27 7.0	1.894	2.856	5.6	18.4
3 2	10 15.97	+27 22.1	1.910	2.854	7.4	18.5
3 12	10 7.18	+27 17.2	1.953	2.852	10.3	18.7
3 22	10 0.16	+26 52.7	2.020	2.850	13.2	18.9
4 1	9 55.52	+26 10.7	2.108	2.848	15.8	19.1

134991 2001 FG_{138} 2 23.4 253.°22 1.°4/24.6 18

1 22	10 45.86	+ 3 21.1	1.719	2.547	14.6	20.0
2 1	10 41.06	+ 3 54.4	1.634	2.539	10.9	19.8
2 11	10 34.02	+ 4 45.5	1.572	2.531	6.7	19.5
2 21	10 25.47	+ 5 50.4	1.536	2.522	2.3	19.2
3 2	10 16.43	+ 7 2.2	1.529	2.513	3.5	19.3
3 12	10 8.08	+ 8 13.1	1.550	2.504	8.1	19.5
3 22	10 1.44	+ 9 15.8	1.597	2.495	12.4	19.7
4 1	9 57.23	+10 5.5	1.665	2.486	16.1	20.0

341662 2007 VS_{64} 2 23.4 94.°91 2.°3/20.9 17

1 22	10 45.12	+15 35.6	2.311	3.158	10.6	21.0
2 1	10 39.91	+16 20.1	2.247	3.167	7.6	20.8
2 11	10 33.07	+17 8.1	2.209	3.175	4.4	20.6
2 21	10 25.25	+17 54.3	2.201	3.184	2.3	20.5
3 2	10 17.25	+18 33.6	2.222	3.192	4.4	20.6
3 12	10 9.92	+19 2.0	2.272	3.200	7.5	20.8
3 22	10 3.97	+19 17.3	2.348	3.209	10.5	21.1
4 1	9 59.88	+19 19.1	2.446	3.217	13.0	21.2

413823 2006 QJ_{134} 2 23.4 153.°14 5.°7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.05	− 9 52.3	2.298	3.043	14.0	21.7
2 1	10 42.07	−10 4.7	2.217	3.053	11.5	21.6
2 11	10 34.34	− 9 56.7	2.158	3.062	8.8	21.4
2 21	10 25.51	− 9 28.3	2.126	3.071	6.5	21.3
3 2	10 16.39	− 8 42.0	2.122	3.079	5.8	21.2
3 12	10 7.90	− 7 42.8	2.147	3.086	7.3	21.3
3 22	10 0.79	− 6 36.9	2.200	3.092	9.8	21.5
4 1	9 55.62	− 5 30.6	2.278	3.098	12.3	21.7

143578 2003 FA_{5} 2 23.4 304.°74 5.°0/28.9 18

1 22	10 40.93	− 8 28.7	2.251	3.018	13.6	19.3
2 1	10 37.11	− 8 14.9	2.149	3.002	11.1	19.1
2 11	10 31.62	− 7 39.2	2.069	2.987	8.3	18.9
2 21	10 25.00	− 6 42.5	2.015	2.972	5.8	18.8
3 2	10 17.98	− 5 27.7	1.989	2.957	5.1	18.7
3 12	10 11.41	− 4 1.0	1.992	2.942	6.9	18.8
3 22	10 6.04	− 2 29.4	2.022	2.928	9.8	18.9
4 1	10 2.48	− 1 0.2	2.076	2.913	12.7	19.1

83342 2001 RG_{136} 2 23.4 131.°87 3.°2/19.8 18

1 22	10 46.82	+20 17.1	2.672	3.516	9.5	20.2
2 1	10 40.93	+21 0.9	2.612	3.528	6.8	20.0
2 11	10 33.58	+21 44.2	2.579	3.539	4.3	19.9
2 21	10 25.35	+22 22.1	2.577	3.550	3.3	19.8
3 2	10 16.99	+22 50.4	2.604	3.561	4.9	20.0
3 12	10 9.29	+23 6.2	2.661	3.571	7.4	20.1
3 22	10 2.86	+23 8.5	2.745	3.581	9.9	20.3
4 1	9 58.16	+22 57.7	2.850	3.591	12.0	20.5

434469 2005 QY_{77} 2 23.4 236.°10 1.°6/21.6 16

1 22	10 46.27	+15 5.3	2.967	3.802	8.9	22.2
2 1	10 40.54	+15 30.2	2.874	3.788	6.4	22.0
2 11	10 33.40	+15 57.9	2.809	3.773	3.7	21.8
2 21	10 25.33	+16 24.8	2.773	3.758	1.6	21.6
3 2	10 16.99	+16 47.4	2.770	3.742	3.4	21.7
3 12	10 9.08	+17 2.8	2.796	3.726	6.2	21.9
3 22	10 2.22	+17 8.9	2.851	3.710	8.9	22.0
4 1	9 56.90	+17 5.1	2.930	3.693	11.3	22.2

232882 2004 VR_{76} 2 23.4 69.°96 2.°7/20.9 18

1 22	10 46.07	+14 56.2	1.861	2.714	12.5	20.1
2 1	10 40.92	+15 51.9	1.800	2.723	8.9	19.9
2 11	10 33.78	+16 52.9	1.765	2.732	5.1	19.6
2 21	10 25.41	+17 52.4	1.757	2.740	2.7	19.5
3 2	10 16.82	+18 43.3	1.778	2.749	5.1	19.7
3 12	10 9.08	+19 20.5	1.827	2.758	8.8	19.9
3 22	10 3.03	+19 41.1	1.900	2.767	12.3	20.1
4 1	9 59.25	+19 44.8	1.995	2.776	15.2	20.4

29779 1999 CK_{49} 2 23.4 224.°52 3.°0/20.4 18

1 22	10 46.89	+18 25.6	2.326	3.174	10.5	19.1
2 1	10 41.27	+19 4.1	2.251	3.170	7.6	18.9
2 11	10 33.90	+19 44.1	2.203	3.167	4.6	18.7
2 21	10 25.44	+20 20.2	2.184	3.163	3.0	18.6
3 2	10 16.72	+20 47.3	2.194	3.159	5.0	18.7
3 12	10 8.66	+21 2.0	2.233	3.155	8.0	18.9
3 22	10 1.99	+21 2.7	2.298	3.150	11.0	19.1
4 1	9 57.29	+20 49.4	2.385	3.146	13.6	19.3

229115 2004 RZ_{96} 2 23.4 142.°10 2.°2/25.6 18

1 22	10 47.36	+ 1 9.6	2.430	3.229	11.8	21.5
2 1	10 41.43	+ 1 15.5	2.354	3.241	8.9	21.3
2 11	10 33.92	+ 1 34.1	2.304	3.252	5.8	21.1
2 21	10 25.44	+ 2 3.0	2.282	3.262	2.8	21.0
3 2	10 16.76	+ 2 38.7	2.291	3.272	3.0	21.0
3 12	10 8.70	+ 3 16.9	2.330	3.281	6.0	21.2
3 22	10 1.93	+ 3 53.4	2.397	3.290	9.0	21.4
4 1	9 56.96	+ 4 24.7	2.489	3.298	11.7	21.6

274542 2008 SN_{246} 2 23.4 207.°66 2.°8/26.1 17

1 22	10 44.18	− 0 32.4	2.060	2.866	13.3	20.8
2 1	10 39.47	− 0 14.7	1.977	2.866	10.3	20.6
2 11	10 32.96	+ 0 20.2	1.918	2.865	6.8	20.4
2 21	10 25.27	+ 1 9.5	1.885	2.864	3.5	20.2
3 2	10 17.26	+ 2 8.8	1.882	2.863	3.5	20.2
3 12	10 9.86	+ 3 11.8	1.907	2.862	6.7	20.4
3 22	10 3.87	+ 4 12.5	1.959	2.861	10.3	20.6
4 1	9 59.87	+ 5 5.7	2.034	2.859	13.4	20.8

406154 2006 VT_{170} 2 23.4 91.°48 1.°4/24.6 18

1 22	10 48.75	+ 3 53.4	1.826	2.648	14.1	21.9
2 1	10 42.72	+ 4 18.6	1.770	2.672	10.4	21.7
2 11	10 34.73	+ 4 58.2	1.738	2.696	6.3	21.5
2 21	10 25.60	+ 5 47.6	1.733	2.719	2.1	21.3
3 2	10 16.35	+ 6 41.0	1.758	2.741	3.2	21.4
3 12	10 8.04	+ 7 32.1	1.811	2.764	7.3	21.7
3 22	10 1.49	+ 8 15.7	1.891	2.785	11.0	22.0
4 1	9 57.22	+ 8 48.6	1.994	2.807	14.1	22.2

399833 2005 TP_{141} 2 23.4 245°.28 1°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.28	+11 5.2	1.506	2.357	15.1	21.6
2 1	10 43.89	+11 57.1	1.425	2.347	10.9	21.3
2 11	10 35.82	+13 1.7	1.368	2.336	6.2	21.0
2 21	10 25.88	+14 11.6	1.338	2.325	1.8	20.7
3 2	10 15.33	+15 17.6	1.335	2.313	5.2	20.9
3 12	10 5.63	+16 11.1	1.359	2.301	10.2	21.1
3 22	9 58.01	+16 47.0	1.406	2.289	14.8	21.4
4 1	9 53.30	+17 3.2	1.474	2.276	18.7	21.6

84369 2002 TU_{120} 2 23.4 340°.03 2°.0/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.32	+15 12.2	1.924	2.773	12.4	19.2
2 1	10 42.57	+15 26.5	1.848	2.768	8.9	18.9
2 11	10 34.76	+15 44.4	1.798	2.765	5.1	18.7
2 21	10 25.63	+16 0.9	1.775	2.761	2.1	18.5
3 2	10 16.20	+16 11.1	1.782	2.758	4.5	18.6
3 12	10 7.57	+16 11.5	1.816	2.755	8.4	18.9
3 22	10 0.63	+16 0.1	1.876	2.752	12.0	19.1
4 1	9 56.00	+15 36.7	1.958	2.750	15.1	19.3

344262 2001 SJ_{313} 2 23.4 71°.82 6°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.21	+30 21.9	2.207	3.051	11.2	20.4
2 1	10 44.28	+31 19.6	2.175	3.078	8.8	20.3
2 11	10 35.50	+32 7.7	2.170	3.105	7.0	20.3
2 21	10 25.73	+32 39.8	2.193	3.132	6.8	20.3
3 2	10 16.03	+32 51.4	2.243	3.159	8.2	20.4
3 12	10 7.40	+32 41.6	2.320	3.185	10.3	20.6
3 22	10 0.58	+32 12.0	2.420	3.211	12.5	20.8
4 1	9 56.02	+31 25.9	2.541	3.237	14.4	21.0

219465 2000 YR_{66} 2 23.4 114°.85 3°.1/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.21	+ 0 58.0	1.404	2.227	17.5	20.5
2 1	10 45.12	+ 1 4.6	1.340	2.240	13.3	20.3
2 11	10 36.38	+ 1 32.5	1.299	2.252	8.5	20.0
2 21	10 25.96	+ 2 18.0	1.282	2.264	4.0	19.8
3 2	10 15.22	+ 3 14.5	1.293	2.275	4.3	19.8
3 12	10 5.63	+ 4 13.5	1.330	2.286	8.9	20.1
3 22	9 58.30	+ 5 7.3	1.392	2.297	13.4	20.4
4 1	9 53.93	+ 5 50.2	1.475	2.307	17.3	20.7

96245 1994 CA_{18} 2 23.4 1°.44 2°.8/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.20	+13 22.2	1.282	2.151	16.0	19.0
2 1	10 41.81	+14 15.2	1.220	2.150	11.5	18.7
2 11	10 34.63	+15 18.7	1.179	2.149	6.5	18.4
2 21	10 25.64	+16 23.4	1.163	2.149	2.8	18.2
3 2	10 16.21	+17 19.4	1.173	2.150	6.1	18.4
3 12	10 7.91	+17 58.6	1.208	2.151	11.1	18.7
3 22	10 1.94	+18 17.0	1.265	2.153	15.7	18.9
4 1	9 59.03	+18 13.9	1.340	2.156	19.5	19.2

260656 2005 GW_{180} 2 23.4 243°.55 0°.2/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.26	+ 7 50.7	1.964	2.798	12.8	21.8
2 1	10 41.93	+ 8 32.4	1.871	2.783	9.4	21.5
2 11	10 34.49	+ 9 26.7	1.803	2.768	5.4	21.2
2 21	10 25.61	+10 28.7	1.764	2.752	1.0	20.9
3 2	10 16.22	+11 32.0	1.753	2.735	3.6	21.0
3 12	10 7.41	+12 29.9	1.772	2.718	7.9	21.3
3 22	10 0.12	+13 17.0	1.817	2.701	11.9	21.5
4 1	9 55.07	+13 50.2	1.884	2.683	15.4	21.7

69823 1998 RQ_{68} 2 23.4 134°.39 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.82	+ 8 16.1	2.228	3.059	11.6	19.5
2 1	10 40.48	+ 8 45.1	2.155	3.065	8.4	19.3
2 11	10 33.45	+ 9 23.3	2.108	3.072	4.8	19.1
2 21	10 25.38	+10 6.4	2.090	3.078	0.9	18.8
3 2	10 17.08	+10 49.7	2.101	3.083	3.0	19.0
3 12	10 9.44	+11 28.3	2.142	3.089	6.7	19.2
3 22	10 3.17	+11 58.5	2.210	3.094	10.1	19.4
4 1	9 58.82	+12 18.2	2.301	3.100	12.9	19.6

419704 2010 UH_{69} 2 23.4 42°.02 8°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.11	−12 44.7	1.402	2.175	20.1	20.6
2 1	10 39.92	−12 58.2	1.347	2.196	16.7	20.4
2 11	10 33.37	−12 37.2	1.311	2.218	13.1	20.3
2 21	10 25.37	−11 42.0	1.296	2.240	9.8	20.2
3 2	10 17.15	−10 17.6	1.305	2.263	8.4	20.1
3 12	10 10.02	− 8 34.2	1.339	2.287	9.8	20.3
3 22	10 4.93	− 6 44.0	1.398	2.311	12.7	20.5
4 1	10 2.50	− 4 58.2	1.478	2.336	15.9	20.8

319537 2006 RG_{79} 2 23.4 42°.02 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.43	+ 7 58.5	2.207	3.042	11.5	20.9
2 1	10 38.80	+ 8 32.9	2.133	3.045	8.4	20.7
2 11	10 32.51	+ 9 17.1	2.084	3.049	4.8	20.5
2 21	10 25.19	+10 6.9	2.064	3.052	0.9	20.2
3 2	10 17.64	+10 57.1	2.073	3.055	3.0	20.4
3 12	10 10.70	+11 42.4	2.111	3.059	6.7	20.7
3 22	10 5.08	+12 19.1	2.175	3.062	10.1	20.9
4 1	10 1.33	+12 44.5	2.263	3.066	13.0	21.1

506318 2017 OE_{8} 2 23.4 238°.30 2°.6/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.54	+ 2 29.9	2.002	2.813	13.5	21.8
2 1	10 43.46	+ 2 12.4	1.913	2.806	10.3	21.6
2 11	10 35.31	+ 2 7.7	1.848	2.798	6.7	21.4
2 21	10 25.77	+ 2 14.3	1.810	2.791	3.2	21.1
3 2	10 15.79	+ 2 29.1	1.802	2.783	3.6	21.1
3 12	10 6.46	+ 2 48.1	1.823	2.775	7.3	21.3
3 22	9 58.68	+ 3 6.7	1.870	2.766	11.0	21.6
4 1	9 53.15	+ 3 21.3	1.941	2.758	14.3	21.8

521158 2015 FV_{407} 2 23.4 245°.83 1°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.30	+13 29.7	2.613	3.455	9.7	21.7
2 1	10 38.58	+14 19.2	2.527	3.445	7.0	21.5
2 11	10 32.37	+15 14.2	2.468	3.435	3.9	21.3
2 21	10 25.18	+16 10.1	2.439	3.424	1.7	21.1
3 2	10 17.70	+17 2.0	2.440	3.414	3.7	21.3
3 12	10 10.69	+17 45.4	2.471	3.403	6.8	21.4
3 22	10 4.80	+18 17.4	2.529	3.392	9.8	21.6
4 1	10 0.55	+18 36.4	2.610	3.381	12.3	21.8

375292 2008 LH_{16} 2 23.4 154°.13 3°.2/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.60	− 3 12.2	2.760	3.534	11.2	21.9
2 1	10 40.76	− 3 11.6	2.678	3.544	8.8	21.8
2 11	10 33.52	− 2 57.3	2.622	3.553	6.1	21.6
2 21	10 25.40	− 2 30.8	2.594	3.562	3.8	21.5
3 2	10 17.07	− 1 54.6	2.596	3.570	3.5	21.5
3 12	10 9.27	− 1 12.8	2.629	3.577	5.6	21.6
3 22	10 2.58	− 0 29.4	2.691	3.584	8.2	21.8
4 1	9 57.48	+ 0 11.6	2.779	3.590	10.6	22.0

462096 2007 JL_{17} 2 23.4 286°.76 0°.5/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.42	+ 9 1.2	1.915	2.756	12.8	22.4
2 1	10 40.68	+ 9 38.9	1.818	2.734	9.3	22.1
2 11	10 33.84	+10 28.4	1.747	2.712	5.3	21.8
2 21	10 25.51	+11 24.8	1.702	2.690	1.0	21.5
3 2	10 16.62	+12 21.9	1.687	2.668	3.7	21.6
3 12	10 8.27	+13 13.0	1.699	2.646	8.2	21.8
3 22	10 1.43	+13 52.9	1.737	2.623	12.3	22.0
4 1	9 56.85	+14 18.6	1.797	2.601	15.8	22.2

105585 2000 RM_{83} 2 23.4 70°.27 2°.3/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.56	+ 1 53.6	2.304	3.112	12.0	19.4
2 1	10 40.22	+ 1 48.5	2.231	3.122	9.1	19.2
2 11	10 33.28	+ 1 55.6	2.183	3.132	5.9	19.0
2 21	10 25.36	+ 2 12.9	2.162	3.142	2.9	18.9
3 2	10 17.24	+ 2 37.2	2.171	3.152	3.1	18.9
3 12	10 9.75	+ 3 4.4	2.210	3.163	6.1	19.1
3 22	10 3.58	+ 3 30.5	2.276	3.173	9.3	19.3
4 1	9 59.24	+ 3 52.2	2.365	3.183	12.0	19.5

181713 1993 TL_{27} 2 23.4 151°.15 5°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.75	+25 39.1	2.163	3.009	11.3	20.5
2 1	10 44.86	+26 39.6	2.106	3.017	8.5	20.3
2 11	10 35.97	+27 35.2	2.077	3.026	6.2	20.2
2 21	10 25.88	+28 19.0	2.076	3.033	5.7	20.1
3 2	10 15.62	+28 45.2	2.104	3.040	7.4	20.3
3 12	10 6.27	+28 51.1	2.159	3.046	10.0	20.4
3 22	9 58.68	+28 37.0	2.239	3.052	12.7	20.6
4 1	9 53.40	+28 5.3	2.340	3.057	14.9	20.8

362973 2013 CB_{17} 2 23.4 253°.39 1°.4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.95	+ 2 46.0	1.573	2.404	15.6	21.2
2 1	10 41.34	+ 3 31.0	1.489	2.396	11.7	21.0
2 11	10 34.32	+ 4 37.2	1.427	2.387	7.1	20.7
2 21	10 25.62	+ 5 59.6	1.392	2.378	2.4	20.4
3 2	10 16.37	+ 7 30.0	1.384	2.368	3.7	20.4
3 12	10 7.86	+ 8 58.7	1.404	2.359	8.7	20.7
3 22	10 1.19	+10 17.1	1.449	2.349	13.3	20.9
4 1	9 57.16	+11 19.3	1.515	2.339	17.3	21.2

252701 2002 CD_{88} 2 23.4 272°.90 2°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.39	+12 52.9	1.883	2.736	12.4	20.2
2 1	10 39.86	+14 7.0	1.807	2.729	8.9	20.0
2 11	10 33.31	+15 30.5	1.755	2.723	5.1	19.7
2 21	10 25.41	+16 56.0	1.732	2.717	2.4	19.5
3 2	10 17.11	+18 15.3	1.738	2.711	5.1	19.7
3 12	10 9.49	+19 21.2	1.772	2.704	9.0	19.9
3 22	10 3.44	+20 9.1	1.831	2.698	12.7	20.1
4 1	9 59.63	+20 37.5	1.910	2.692	15.8	20.3

275010 2009 UO_{4} 2 23.4 181°.23 1°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.23	+12 5.3	2.141	2.981	11.6	21.4
2 1	10 41.62	+12 45.4	2.066	2.982	8.4	21.2
2 11	10 34.18	+13 32.5	2.016	2.982	4.7	21.0
2 21	10 25.56	+14 21.4	1.995	2.982	1.5	20.8
3 2	10 16.66	+15 6.4	2.005	2.982	3.9	20.9
3 12	10 8.44	+15 42.6	2.043	2.981	7.6	21.2
3 22	10 1.69	+16 6.8	2.107	2.980	11.0	21.4
4 1	9 56.99	+16 17.7	2.194	2.978	13.9	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
366227 2012 TT_{303}			2 23.4 155°.64		0°.6/22.8 17	
	h m	° ′			°	m
1 22	10 44.91	+10 11.1	2.595	3.426	10.1	21.7
2 1	10 39.65	+10 42.6	2.520	3.431	7.3	21.5
2 11	10 32.93	+11 20.8	2.472	3.436	4.1	21.3
2 21	10 25.31	+12 1.8	2.453	3.441	0.8	21.1
3 2	10 17.49	+12 41.3	2.465	3.445	2.9	21.2
3 12	10 10.22	+13 15.5	2.506	3.448	6.2	21.5
3 22	10 4.13	+13 41.3	2.576	3.452	9.1	21.7
4 1	9 59.69	+13 57.2	2.669	3.455	11.7	21.8
113273 2002 RR_{154}			2 23.4 104°.07		4°.0/19.7 18	
1 22	10 48.21	+21 5.4	2.197	3.047	11.0	20.1
2 1	10 42.25	+21 48.6	2.137	3.055	8.0	19.9
2 11	10 34.47	+22 30.6	2.103	3.062	5.2	19.8
2 21	10 25.61	+23 5.6	2.097	3.070	4.0	19.7
3 2	10 16.59	+23 28.5	2.121	3.077	5.8	19.8
3 12	10 8.37	+23 36.1	2.173	3.085	8.7	20.0
3 22	10 1.72	+23 27.9	2.250	3.092	11.6	20.2
4 1	9 57.16	+23 4.8	2.348	3.099	14.0	20.4
371213 2006 AR_{75}			2 23.4 84°.43		1°.4/22.1 18	
1 22	10 45.33	+10 57.6	1.884	2.730	12.7	21.2
2 1	10 40.41	+11 52.2	1.818	2.738	9.1	21.0
2 11	10 33.53	+12 56.2	1.777	2.745	5.1	20.8
2 21	10 25.44	+14 3.1	1.764	2.752	1.5	20.5
3 2	10 17.10	+15 5.9	1.781	2.759	4.2	20.7
3 12	10 9.53	+15 58.2	1.825	2.766	8.2	21.0
3 22	10 3.58	+16 36.2	1.895	2.773	11.8	21.2
4 1	9 59.82	+16 58.2	1.986	2.780	14.9	21.4
498788 2008 UP_{169}			2 23.4 164°.54		0°.1/23.3 17	
1 22	10 44.91	+ 7 56.7	2.304	3.135	11.3	22.3
2 1	10 39.83	+ 8 34.9	2.227	3.138	8.2	22.1
2 11	10 33.11	+ 9 22.7	2.177	3.140	4.7	21.9
2 21	10 25.36	+10 16.0	2.154	3.142	0.9	21.6
3 2	10 17.35	+11 9.4	2.163	3.144	3.0	21.8
3 12	10 9.95	+11 57.9	2.200	3.146	6.6	22.0
3 22	10 3.84	+12 37.6	2.265	3.148	9.9	22.2
4 1	9 59.57	+13 6.0	2.353	3.149	12.7	22.4
52596 1997 RO_{8}			2 23.4 118°.88		0°.1/23.3 18	
1 22	10 49.08	+ 8 38.1	1.987	2.819	12.8	20.4
2 1	10 42.94	+ 9 3.6	1.923	2.833	9.2	20.2
2 11	10 34.89	+ 9 38.4	1.883	2.847	5.3	20.0
2 21	10 25.70	+10 18.0	1.873	2.861	1.0	19.7
3 2	10 16.33	+10 57.1	1.892	2.874	3.3	19.9
3 12	10 7.79	+11 30.6	1.940	2.886	7.3	20.2
3 22	10 0.89	+11 55.0	2.015	2.899	10.9	20.4
4 1	9 56.18	+12 8.3	2.112	2.910	13.9	20.6
423353 2005 GL_{210}			2 23.4 0°.70		1°.0/22.4 17	
1 22	10 39.86	+ 6 49.6	1.602	2.454	14.2	19.6
2 1	10 36.79	+ 8 24.2	1.530	2.453	10.3	19.3
2 11	10 31.63	+10 17.2	1.483	2.452	5.7	19.1
2 21	10 25.09	+12 20.2	1.464	2.452	1.2	18.7
3 2	10 18.18	+14 21.9	1.472	2.452	4.4	19.0
3 12	10 12.02	+16 11.5	1.508	2.454	9.1	19.2
3 22	10 7.53	+17 41.3	1.569	2.456	13.2	19.5
4 1	10 5.39	+18 47.2	1.650	2.460	16.7	19.7
350472 1998 YS_{13}			2 23.4 110°.14		0°.2/23.3 18	
1 22	10 50.33	+ 7 45.1	1.514	2.355	15.5	21.5
2 1	10 44.33	+ 8 21.4	1.454	2.369	11.3	21.3
2 11	10 35.88	+ 9 11.5	1.417	2.382	6.4	21.0
2 21	10 25.92	+10 8.9	1.406	2.394	1.2	20.7
3 2	10 15.70	+11 5.9	1.424	2.407	4.0	20.9
3 12	10 6.58	+11 55.0	1.469	2.418	8.9	21.3
3 22	9 59.58	+12 31.1	1.539	2.430	13.2	21.5
4 1	9 55.33	+12 51.9	1.629	2.441	16.8	21.8
402930 2007 TJ_{181}			2 23.4 128°.00		3°.1/20.7 18	
1 22	10 49.22	+15 7.5	1.760	2.611	13.2	21.5
2 1	10 43.32	+16 17.5	1.701	2.623	9.4	21.3
2 11	10 35.22	+17 33.2	1.668	2.635	5.5	21.1
2 21	10 25.78	+18 46.4	1.663	2.646	3.1	20.9
3 2	10 16.11	+19 49.1	1.687	2.656	5.7	21.1
3 12	10 7.38	+20 35.3	1.739	2.666	9.5	21.4
3 22	10 0.54	+21 2.2	1.815	2.676	13.1	21.6
4 1	9 56.17	+21 9.9	1.912	2.685	16.1	21.8
132214 2002 EC_{60}			2 23.4 209°.91		1°.3/24.6 18	
1 22	10 46.88	+ 3 8.3	1.800	2.623	14.2	20.4
2 1	10 41.73	+ 3 48.7	1.716	2.619	10.7	20.1
2 11	10 34.42	+ 4 46.7	1.656	2.614	6.5	19.9
2 21	10 25.65	+ 5 58.0	1.623	2.609	2.2	19.6
3 2	10 16.44	+ 7 15.6	1.620	2.603	3.4	19.7
3 12	10 7.92	+ 8 31.6	1.644	2.597	7.8	19.9
3 22	10 1.06	+ 9 39.0	1.695	2.590	12.0	20.1
4 1	9 56.55	+10 32.9	1.769	2.583	15.6	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
372502 2009 SJ_{275}			2 23.4 79°.94		2°.4/21.4 18	
	h m	° ′			°	m
1 22	10 48.27	+14 41.9	1.813	2.664	12.9	21.0
2 1	10 42.51	+15 25.5	1.757	2.679	9.2	20.8
2 11	10 34.70	+16 14.0	1.726	2.693	5.2	20.6
2 21	10 25.67	+17 0.9	1.723	2.707	2.4	20.4
3 2	10 16.49	+17 39.8	1.748	2.721	4.9	20.6
3 12	10 8.25	+18 5.7	1.801	2.736	8.7	20.9
3 22	10 1.81	+18 16.7	1.879	2.750	12.2	21.1
4 1	9 57.72	+18 12.4	1.979	2.764	15.2	21.3
166130 2002 CP_{242}			2 23.4 322°.16		4°.0/25.8 18	
1 22	10 46.09	+ 0 56.8	1.285	2.122	18.0	19.8
2 1	10 41.95	+ 0 36.1	1.201	2.106	14.0	19.5
2 11	10 34.92	+ 0 36.5	1.137	2.091	9.4	19.2
2 21	10 25.80	+ 0 57.1	1.096	2.076	4.9	18.9
3 2	10 15.89	+ 1 33.7	1.080	2.062	5.1	18.9
3 12	10 6.81	+ 2 18.6	1.088	2.049	9.8	19.1
3 22	9 59.94	+ 3 3.4	1.120	2.036	14.9	19.3
4 1	9 56.22	+ 3 40.7	1.170	2.025	19.4	19.6
212767 2007 TG_{70}			2 23.4 103°.67		3°.2/21.0 18	
1 22	10 49.39	+15 20.6	1.556	2.413	14.3	20.5
2 1	10 43.71	+16 14.5	1.494	2.419	10.3	20.2
2 11	10 35.57	+17 14.4	1.457	2.424	6.0	20.0
2 21	10 25.87	+18 12.1	1.446	2.429	3.2	19.8
3 2	10 15.86	+18 59.4	1.463	2.434	5.9	20.0
3 12	10 6.90	+19 30.2	1.506	2.439	10.2	20.3
3 22	10 0.04	+19 42.0	1.573	2.444	14.2	20.5
4 1	9 55.92	+19 34.9	1.660	2.449	17.5	20.8
387576 2001 TT_{98}			2 23.4 133°.83		0°.8/24.4 17	
1 22	10 43.95	+ 4 46.7	2.787	3.601	10.0	22.0
2 1	10 38.84	+ 5 15.3	2.714	3.613	7.4	21.8
2 11	10 32.43	+ 5 53.4	2.667	3.625	4.4	21.6
2 21	10 25.22	+ 6 37.8	2.650	3.636	1.4	21.4
3 2	10 17.86	+ 7 24.9	2.664	3.647	2.3	21.5
3 12	10 11.01	+ 8 10.3	2.708	3.658	5.3	21.7
3 22	10 5.23	+ 8 50.8	2.781	3.668	8.2	21.9
4 1	10 0.95	+ 9 23.7	2.878	3.677	10.6	22.1
462341 2008 PY_{4}			2 23.4 259°.83		2°.1/25.5 17	
1 22	10 46.42	+ 1 0.2	2.378	3.179	11.9	22.7
2 1	10 41.11	+ 1 22.4	2.264	3.152	9.2	22.5
2 11	10 33.99	+ 1 59.6	2.175	3.125	5.9	22.2
2 21	10 25.58	+ 2 49.5	2.115	3.096	2.7	22.0
3 2	10 16.62	+ 3 48.2	2.085	3.067	3.0	21.9
3 12	10 8.02	+ 4 50.2	2.086	3.037	6.5	22.1
3 22	10 0.59	+ 5 50.0	2.114	3.006	10.1	22.3
4 1	9 55.00	+ 6 42.9	2.167	2.975	13.3	22.4
309280 2007 RC_{144}			2 23.4 196°.20		2°.0/25.2 18	
1 22	10 47.41	+ 1 28.1	1.854	2.668	14.3	21.6
2 1	10 42.04	+ 2 0.4	1.770	2.666	10.8	21.3
2 11	10 34.57	+ 2 50.9	1.710	2.664	6.8	21.1
2 21	10 25.68	+ 3 55.8	1.677	2.661	2.8	20.8
3 2	10 16.38	+ 5 9.0	1.674	2.657	3.4	20.9
3 12	10 7.76	+ 6 22.8	1.699	2.652	7.5	21.1
3 22	10 0.78	+ 7 30.5	1.751	2.648	11.6	21.3
4 1	9 56.10	+ 8 26.7	1.825	2.642	15.1	21.6
212446 2006 PL_{39}			2 23.4 139°.31		1°.7/25.2 17	
1 22	10 46.73	+ 3 2.6	2.701	3.504	10.6	21.0
2 1	10 40.88	+ 3 0.6	2.623	3.513	8.0	20.8
2 11	10 33.60	+ 3 8.3	2.572	3.522	5.0	20.6
2 21	10 25.46	+ 3 23.8	2.549	3.531	2.2	20.4
3 2	10 17.14	+ 3 44.5	2.558	3.540	2.6	20.5
3 12	10 9.36	+ 4 6.8	2.597	3.548	5.5	20.7
3 22	10 2.75	+ 4 27.6	2.665	3.556	8.3	20.9
4 1	9 57.75	+ 4 44.3	2.758	3.563	10.8	21.0
441760 2009 CS_{30}			2 23.4 304°.32		1°.9/21.2 17	
1 22	10 41.63	+11 13.4	2.091	2.940	11.5	20.9
2 1	10 37.79	+12 38.8	2.001	2.923	8.3	20.6
2 11	10 32.13	+14 16.1	1.937	2.905	4.6	20.4
2 21	10 25.21	+15 58.2	1.902	2.888	2.0	20.1
3 2	10 17.85	+17 37.1	1.897	2.871	4.6	20.3
3 12	10 10.98	+19 4.8	1.921	2.854	8.4	20.5
3 22	10 5.43	+20 15.9	1.971	2.837	11.9	20.7
4 1	10 1.86	+21 7.5	2.042	2.821	15.0	20.8
18998 2000 RH_{55}			2 23.4 204°.69		3°.5/26.1 18	
1 22	10 49.48	− 0 30.1	1.854	2.657	14.7	17.9
2 1	10 43.57	− 0 35.4	1.768	2.654	11.4	17.7
2 11	10 35.46	− 0 23.3	1.704	2.650	7.7	17.4
2 21	10 25.88	+ 0 4.7	1.668	2.645	4.2	17.2
3 2	10 15.82	+ 0 44.6	1.660	2.640	4.2	17.2
3 12	10 6.47	+ 1 30.7	1.681	2.634	7.7	17.4
3 22	9 58.78	+ 2 16.7	1.728	2.627	11.5	17.6
4 1	9 53.48	+ 2 57.2	1.798	2.621	15.0	17.8

123437 2000 WP_{121} 2 23.4 43°.68 8°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.42	−15 57.7	1.832	2.564	17.5	19.1
2 1	10 39.18	−16 17.4	1.755	2.571	15.0	18.9
2 11	10 32.93	−16 7.5	1.698	2.578	12.2	18.7
2 21	10 25.36	−15 26.8	1.662	2.585	9.8	18.6
3 2	10 17.45	−14 17.5	1.652	2.593	8.6	18.5
3 12	10 10.27	−12 46.2	1.667	2.600	9.4	18.6
3 22	10 4.70	−11 2.4	1.708	2.609	11.6	18.8
4 1	10 1.37	− 9 16.0	1.772	2.617	14.3	18.9

206160 2002 TB_{187} 2 23.4 136°.46 4°.1/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.68	− 5 59.4	2.440	3.211	12.5	20.0
2 1	10 38.87	− 5 49.6	2.358	3.218	10.0	19.8
2 11	10 32.55	− 5 22.0	2.300	3.225	7.2	19.7
2 21	10 25.27	− 4 38.1	2.269	3.232	4.8	19.5
3 2	10 17.76	− 3 41.4	2.267	3.238	4.2	19.5
3 12	10 10.79	− 2 36.8	2.294	3.244	6.1	19.6
3 22	10 5.02	− 1 30.1	2.350	3.250	8.9	19.8
4 1	10 0.95	− 0 26.5	2.430	3.256	11.5	20.0

236336 2006 BA_{117} 2 23.4 74°.79 0°.4/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.60	+ 6 6.3	1.915	2.749	13.1	21.2
2 1	10 39.88	+ 6 47.0	1.843	2.754	9.6	21.0
2 11	10 33.25	+ 7 41.0	1.795	2.758	5.6	20.7
2 21	10 25.43	+ 8 43.2	1.775	2.763	1.3	20.4
3 2	10 17.32	+ 9 47.5	1.785	2.768	3.2	20.6
3 12	10 9.93	+10 47.0	1.822	2.773	7.4	20.9
3 22	10 4.09	+11 36.7	1.885	2.777	11.1	21.1
4 1	10 0.36	+12 13.3	1.971	2.782	14.3	21.3

491255 2011 UU_{248} 2 23.4 183°.57 1°.8/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.04	+12 31.6	1.933	2.774	12.7	22.5
2 1	10 43.86	+13 20.5	1.858	2.775	9.1	22.3
2 11	10 35.56	+14 17.1	1.809	2.775	5.1	22.0
2 21	10 25.89	+15 15.2	1.788	2.775	1.8	21.8
3 2	10 15.87	+16 7.9	1.798	2.773	4.5	22.0
3 12	10 6.63	+16 49.5	1.835	2.771	8.5	22.2
3 22	9 59.09	+17 16.6	1.899	2.768	12.2	22.4
4 1	9 53.89	+17 28.0	1.985	2.765	15.3	22.6

165479 2001 AK_{49} 2 23.4 46°.72 2°.7/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.98	+ 3 20.0	1.449	2.280	16.6	19.4
2 1	10 44.25	+ 3 4.1	1.381	2.286	12.6	19.1
2 11	10 35.94	+ 3 4.8	1.335	2.292	8.0	18.9
2 21	10 25.98	+ 3 19.7	1.315	2.298	3.5	18.6
3 2	10 15.64	+ 3 43.9	1.321	2.304	4.2	18.7
3 12	10 6.36	+ 4 11.3	1.354	2.311	8.7	19.0
3 22	9 59.22	+ 4 36.0	1.412	2.318	13.2	19.2
4 1	9 54.95	+ 4 53.3	1.490	2.324	17.0	19.5

491928 2013 CF_{87} 2 23.4 343°.27 1°.5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.06	+ 9 36.8	1.270	2.134	16.5	20.5
2 1	10 41.08	+10 34.2	1.201	2.129	12.0	20.3
2 11	10 34.32	+11 48.1	1.155	2.124	6.7	20.0
2 21	10 25.68	+13 9.9	1.132	2.120	1.7	19.6
3 2	10 16.51	+14 28.8	1.136	2.117	5.3	19.8
3 12	10 8.36	+15 34.4	1.165	2.114	10.7	20.1
3 22	10 2.48	+16 20.1	1.216	2.112	15.6	20.4
4 1	9 59.65	+16 43.3	1.285	2.110	19.7	20.7

350106 2011 PS_{8} 2 23.4 254°.55 0°.7/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.16	+ 5 49.6	2.476	3.298	10.9	21.4
2 1	10 39.29	+ 6 11.2	2.383	3.286	8.0	21.2
2 11	10 32.84	+ 6 43.1	2.315	3.275	4.8	21.0
2 21	10 25.35	+ 7 22.1	2.276	3.263	1.4	20.7
3 2	10 17.54	+ 8 4.3	2.268	3.251	2.6	20.8
3 12	10 10.18	+ 8 45.1	2.289	3.239	6.1	21.0
3 22	10 3.99	+ 9 20.6	2.337	3.226	9.4	21.2
4 1	9 59.50	+ 9 47.9	2.410	3.214	12.2	21.4

378877 2008 TZ_{134} 2 23.4 25°.03 5°.2/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.10	− 5 47.4	1.726	2.521	16.0	20.5
2 1	10 38.96	− 5 51.4	1.655	2.528	12.8	20.3
2 11	10 32.80	− 5 31.9	1.604	2.535	9.3	20.1
2 21	10 25.35	− 4 50.3	1.578	2.543	6.2	19.9
3 2	10 17.60	− 3 50.8	1.579	2.552	5.4	19.9
3 12	10 10.61	− 2 40.6	1.607	2.561	7.8	20.0
3 22	10 5.27	− 1 27.7	1.660	2.571	11.2	20.2
4 1	10 2.18	− 0 19.5	1.735	2.581	14.5	20.5

343158 2009 HC_{82} 2 23.4 292°.27 6°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 27.08	+25 35.0	2.667	3.436	11.6	21.7
2 1	11 11.91	+27 44.8	2.509	3.378	9.2	21.5
2 11	10 52.52	+29 56.8	2.390	3.317	6.9	21.2
2 21	10 29.48	+31 56.1	2.314	3.255	6.3	21.1
3 2	10 4.20	+33 27.6	2.284	3.191	8.5	21.1
3 12	9 38.78	+34 21.4	2.299	3.124	11.9	21.2
3 22	9 15.33	+34 36.6	2.352	3.055	15.1	21.3
4 1	8 55.43	+34 19.6	2.434	2.985	17.8	21.4

177621 2004 HN_{60} 2 23.4 351°.64 5°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.39	+19 46.4	1.069	1.954	17.1	18.5
2 1	10 41.79	+20 18.4	1.006	1.943	12.6	18.2
2 11	10 34.91	+20 51.7	0.964	1.933	7.9	17.9
2 21	10 25.81	+21 16.0	0.945	1.925	5.5	17.7
3 2	10 16.19	+21 21.9	0.948	1.919	8.5	17.9
3 12	10 7.89	+21 3.9	0.974	1.915	13.4	18.1
3 22	10 2.35	+20 21.7	1.020	1.913	18.2	18.4
4 1	10 0.35	+19 18.3	1.082	1.913	22.2	18.6

340791 2006 TE_{10} 2 23.4 47°.12 5°.0/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.64	− 7 12.5	2.296	3.065	13.3	20.5
2 1	10 38.97	− 7 24.2	2.212	3.067	10.8	20.3
2 11	10 32.68	− 7 17.2	2.151	3.069	8.1	20.2
2 21	10 25.33	− 6 52.2	2.116	3.071	5.7	20.0
3 2	10 17.70	− 6 11.7	2.109	3.074	5.1	20.0
3 12	10 10.61	− 5 20.3	2.130	3.076	6.8	20.1
3 22	10 4.78	− 4 23.7	2.178	3.079	9.4	20.3
4 1	10 0.76	− 3 27.4	2.250	3.081	12.1	20.4

453894 2011 UZ_{228} 2 23.4 41°.71 0°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.49	+ 5 54.6	1.245	2.098	17.4	21.2
2 1	10 41.91	+ 6 30.9	1.191	2.111	12.8	21.0
2 11	10 34.66	+ 7 25.7	1.159	2.124	7.4	20.7
2 21	10 25.75	+ 8 32.0	1.150	2.138	1.7	20.4
3 2	10 16.58	+ 9 40.5	1.168	2.152	4.2	20.6
3 12	10 8.63	+10 41.5	1.211	2.167	9.6	20.9
3 22	10 3.00	+11 28.4	1.277	2.183	14.3	21.2
4 1	10 0.33	+11 57.5	1.363	2.198	18.2	21.5

109908 2001 SP_{24} 2 23.4 237°.11 0°.4/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.66	+ 9 34.1	2.144	2.975	12.0	20.5
2 1	10 42.81	+10 0.8	2.050	2.961	8.7	20.3
2 11	10 34.99	+10 36.4	1.983	2.947	5.0	20.1
2 21	10 25.82	+11 16.9	1.944	2.932	1.0	19.7
3 2	10 16.21	+11 57.0	1.935	2.916	3.4	19.9
3 12	10 7.15	+12 31.6	1.956	2.900	7.5	20.1
3 22	9 59.53	+12 56.9	2.003	2.883	11.2	20.3
4 1	9 54.03	+13 10.6	2.073	2.865	14.4	20.5

214755 2006 TJ_{78} 2 23.4 225°.72 1°.6/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.27	+14 15.8	2.437	3.278	10.4	20.6
2 1	10 40.78	+14 40.6	2.358	3.275	7.5	20.4
2 11	10 33.67	+15 9.3	2.306	3.272	4.2	20.2
2 21	10 25.54	+15 37.6	2.283	3.269	1.6	20.0
3 2	10 17.16	+16 1.5	2.290	3.266	3.7	20.1
3 12	10 9.38	+16 17.2	2.327	3.262	7.0	20.3
3 22	10 2.89	+16 22.8	2.390	3.259	10.0	20.5
4 1	9 58.21	+16 17.4	2.477	3.256	12.7	20.7

506222 2016 JW_{31} 2 23.4 277°.13 2°.3/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.85	+13 15.1	2.016	2.866	11.9	21.7
2 1	10 40.22	+14 21.1	1.925	2.847	8.6	21.5
2 11	10 33.59	+15 36.2	1.860	2.827	4.9	21.2
2 21	10 25.56	+16 53.8	1.823	2.808	2.3	21.0
3 2	10 17.03	+18 6.4	1.816	2.788	4.9	21.1
3 12	10 9.04	+19 7.2	1.836	2.768	8.8	21.3
3 22	10 2.51	+19 51.7	1.882	2.748	12.4	21.5
4 1	9 58.12	+20 17.9	1.950	2.728	15.6	21.7

195477 2002 GK_{129} 2 23.4 263°.70 0°.5/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.64	+ 9 46.7	1.964	2.804	12.6	20.8
2 1	10 41.40	+10 12.8	1.884	2.799	9.1	20.5
2 11	10 34.18	+10 48.0	1.829	2.795	5.2	20.3
2 21	10 25.66	+11 27.9	1.802	2.790	1.0	20.0
3 2	10 16.79	+12 7.0	1.804	2.785	3.5	20.1
3 12	10 8.61	+12 39.8	1.834	2.780	7.7	20.4
3 22	10 1.98	+13 2.7	1.890	2.776	11.5	20.6
4 1	9 57.54	+13 13.6	1.968	2.771	14.7	20.8

496470 2014 SV_{153} 2 23.4 53°.78 6°.6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.84	−10 5.9	1.531	2.310	18.4	21.1
2 1	10 40.30	− 9 56.4	1.475	2.333	15.0	20.9
2 11	10 33.57	− 9 16.1	1.438	2.357	11.2	20.7
2 21	10 25.53	− 8 7.1	1.425	2.381	7.9	20.6
3 2	10 17.31	− 6 35.5	1.438	2.405	6.6	20.6
3 12	10 10.09	− 4 51.3	1.477	2.430	8.6	20.8
3 22	10 4.79	− 3 5.5	1.542	2.454	11.8	21.0
4 1	10 1.96	− 1 27.2	1.629	2.479	15.0	21.3

427019 2014 SM_{216} 2 23.4 191°.22 4°.7/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.26	− 7 41.9	2.144	2.911	14.2	20.7
2 1	10 40.29	− 7 21.7	2.054	2.910	11.4	20.5
2 11	10 33.51	− 6 39.1	1.987	2.908	8.4	20.3
2 21	10 25.53	− 5 35.5	1.946	2.906	5.6	20.1
3 2	10 17.19	− 4 15.0	1.933	2.904	4.9	20.1
3 12	10 9.43	− 2 44.3	1.950	2.900	7.0	20.2
3 22	10 3.03	− 1 11.2	1.995	2.897	10.1	20.4
4 1	9 58.61	+ 0 17.2	2.064	2.892	13.1	20.5

129686 1998 RB_{78} 2 23.4 126°.99 5°.9/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 52.28	+28 14.5	2.267	3.109	11.0	20.2
2 1	10 45.18	+29 0.0	2.213	3.119	8.5	20.1
2 11	10 36.16	+29 38.4	2.186	3.128	6.4	20.0
2 21	10 26.03	+30 3.3	2.187	3.137	6.0	20.0
3 2	10 15.80	+30 10.1	2.217	3.146	7.5	20.1
3 12	10 6.51	+29 57.0	2.274	3.154	9.9	20.2
3 22	9 58.97	+29 25.3	2.356	3.162	12.3	20.4
4 1	9 53.70	+28 37.5	2.459	3.170	14.4	20.6

428254 2007 BO_{58} 2 23.4 75°.84 9°.0/25.9 17

1 22	11 5.37	− 1 10.0	1.011	1.829	23.2	20.4
2 1	10 56.46	− 3 28.9	0.951	1.839	18.6	20.2
2 11	10 43.41	− 5 28.8	0.911	1.849	13.6	19.9
2 21	10 27.55	− 7 2.0	0.894	1.859	9.6	19.7
3 2	10 11.07	− 8 3.7	0.903	1.870	9.6	19.8
3 12	9 56.41	− 8 36.0	0.936	1.880	13.4	20.0
3 22	9 45.34	− 8 46.8	0.990	1.890	18.0	20.3
4 1	9 38.78	− 8 46.0	1.063	1.900	22.1	20.6

269141 2007 UT_{60} 2 23.4 10°.34 8°.3/14.7 18

1 22	10 48.53	+33 48.4	2.065	2.912	11.7	20.3
2 1	10 42.85	+35 6.6	2.017	2.913	9.7	20.2
2 11	10 35.00	+36 13.8	1.993	2.914	8.4	20.1
2 21	10 25.82	+37 1.8	1.995	2.915	8.6	20.1
3 2	10 16.42	+37 24.6	2.024	2.917	10.2	20.2
3 12	10 7.98	+37 20.4	2.076	2.918	12.3	20.3
3 22	10 1.42	+36 50.8	2.151	2.920	14.5	20.5
4 1	9 57.30	+35 59.6	2.243	2.922	16.5	20.7

272912 2006 BE_{165} 2 23.4 127°.57 0°.1/23.5 18

1 22	10 45.69	+ 7 16.7	2.143	2.974	12.0	21.0
2 1	10 40.48	+ 7 53.4	2.072	2.982	8.7	20.8
2 11	10 33.55	+ 8 40.7	2.027	2.990	5.0	20.6
2 21	10 25.53	+ 9 34.1	2.009	2.997	1.0	20.4
3 2	10 17.29	+10 28.2	2.022	3.005	3.0	20.5
3 12	10 9.72	+11 17.4	2.064	3.012	6.9	20.8
3 22	10 3.57	+11 57.6	2.132	3.018	10.3	21.0
4 1	9 59.38	+12 26.2	2.224	3.025	13.2	21.2

416697 2005 AG_{20} 2 23.4 49°.88 3°.3/26.0 18

1 22	10 48.24	+ 0 2.5	1.615	2.431	16.0	20.6
2 1	10 42.51	+ 0 0.8	1.568	2.462	12.1	20.5
2 11	10 34.71	+ 0 17.8	1.544	2.493	7.9	20.3
2 21	10 25.74	+ 0 50.4	1.546	2.525	4.1	20.1
3 2	10 16.74	+ 1 33.2	1.576	2.557	4.0	20.2
3 12	10 8.83	+ 2 19.4	1.633	2.589	7.6	20.5
3 22	10 2.84	+ 3 2.9	1.715	2.621	11.3	20.8
4 1	9 59.27	+ 3 38.9	1.820	2.653	14.5	21.0

342965 2009 BG_{8} 2 23.4 35°.28 7°.2/29.1 18

1 22	10 47.54	− 9 14.0	1.891	2.654	16.0	20.2
2 1	10 42.07	−10 12.0	1.819	2.664	13.2	20.0
2 11	10 34.56	−10 48.5	1.769	2.675	10.4	19.8
2 21	10 25.75	−11 2.1	1.744	2.686	8.0	19.7
3 2	10 16.61	−10 53.6	1.745	2.698	7.3	19.7
3 12	10 8.23	−10 27.4	1.773	2.710	8.7	19.8
3 22	10 1.49	− 9 49.5	1.827	2.722	11.3	20.0
4 1	9 57.02	− 9 6.8	1.903	2.735	13.9	20.2

45753 2000 JL_{72} 2 23.4 281°.36 3°.5/27.3 18

1 22	10 42.32	− 4 13.6	2.217	3.005	13.1	19.2
2 1	10 38.10	− 3 47.9	2.129	3.003	10.3	19.0
2 11	10 32.22	− 3 2.8	2.066	3.002	7.2	18.8
2 21	10 25.28	− 2 0.7	2.029	3.000	4.3	18.6
3 2	10 18.03	− 0 45.9	2.021	2.998	3.8	18.6
3 12	10 11.32	+ 0 35.1	2.042	2.996	6.4	18.7
3 22	10 5.87	+ 1 55.8	2.090	2.995	9.6	18.9
4 1	10 2.23	+ 3 10.0	2.163	2.993	12.6	19.1

433209 2012 UR_{100} 2 23.4 154°.82 3°.9/18.7 18

1 22	10 45.84	+22 41.6	2.753	3.600	9.1	21.6
2 1	10 40.34	+23 38.0	2.691	3.606	6.7	21.4
2 11	10 33.36	+24 32.6	2.657	3.612	4.6	21.3
2 21	10 25.49	+25 20.5	2.652	3.617	4.0	21.3
3 2	10 17.45	+25 56.9	2.677	3.622	5.5	21.4
3 12	10 9.99	+26 19.1	2.731	3.627	7.8	21.5
3 22	10 3.75	+26 26.0	2.810	3.631	10.1	21.7
4 1	9 59.20	+26 18.1	2.911	3.635	12.2	21.9

153638 2001 TX_{76} 2 23.4 38°.35 3°.8/26.5 18

1 22	10 44.51	− 1 45.1	1.419	2.242	17.4	19.5
2 1	10 40.21	− 1 31.3	1.362	2.259	13.4	19.3
2 11	10 33.59	− 0 53.3	1.327	2.276	8.9	19.1
2 21	10 25.55	+ 0 5.1	1.315	2.293	4.8	18.9
3 2	10 17.29	+ 1 17.0	1.330	2.312	4.5	18.9
3 12	10 10.07	+ 2 33.0	1.371	2.331	8.3	19.2
3 22	10 4.85	+ 3 44.4	1.437	2.350	12.4	19.5
4 1	10 2.22	+ 4 44.4	1.524	2.370	16.1	19.8

225285 1994 JT_{6} 2 23.4 318°.84 4°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.77	+19 9.3	1.649	2.512	13.3	20.5
2 1	10 41.92	+20 9.4	1.576	2.502	9.7	20.2
2 11	10 34.66	+21 12.6	1.528	2.492	6.2	20.0
2 21	10 25.79	+22 10.4	1.506	2.483	4.6	19.9
3 2	10 16.48	+22 54.3	1.512	2.474	7.1	20.0
3 12	10 8.03	+23 18.7	1.543	2.465	10.9	20.2
3 22	10 1.50	+23 21.4	1.598	2.457	14.6	20.4
4 1	9 57.62	+23 3.3	1.671	2.449	17.9	20.6

376231 2011 EE_{42} 2 23.4 143°.94 0°.6/22.8 18

1 22	10 44.89	+ 8 44.0	2.041	2.879	12.2	21.1
2 1	10 40.03	+ 9 36.4	1.967	2.882	8.8	20.9
2 11	10 33.35	+10 39.6	1.920	2.885	5.0	20.6
2 21	10 25.51	+11 48.1	1.900	2.888	1.0	20.4
3 2	10 17.39	+12 55.4	1.910	2.891	3.5	20.5
3 12	10 9.93	+13 55.2	1.949	2.894	7.5	20.8
3 22	10 3.94	+14 42.9	2.014	2.896	11.0	21.0
4 1	9 59.99	+15 16.1	2.102	2.898	14.0	21.2

69574 1998 BR_{35} 2 23.4 267°.27 1°.7/21.9 18

1 22	10 46.28	+10 21.2	1.581	2.433	14.4	19.6
2 1	10 41.64	+11 27.4	1.502	2.424	10.4	19.4
2 11	10 34.55	+12 47.5	1.446	2.414	5.9	19.1
2 21	10 25.79	+14 13.9	1.418	2.405	1.8	18.8
3 2	10 16.49	+15 37.0	1.417	2.395	5.0	19.0
3 12	10 7.96	+16 47.6	1.443	2.385	9.8	19.2
3 22	10 1.32	+17 40.0	1.494	2.375	14.2	19.5
4 1	9 57.34	+18 11.4	1.564	2.365	17.9	19.7

135702 2002 PC_{29} 2 23.4 139°.14 0°.3/23.7 18

1 22	10 46.48	+ 5 37.0	1.807	2.639	13.8	20.2
2 1	10 41.36	+ 6 28.8	1.736	2.645	10.1	20.0
2 11	10 34.18	+ 7 35.7	1.689	2.652	5.9	19.7
2 21	10 25.69	+ 8 51.9	1.670	2.658	1.3	19.4
3 2	10 16.89	+10 9.9	1.680	2.663	3.4	19.6
3 12	10 8.87	+11 22.0	1.719	2.669	7.8	19.9
3 22	10 2.53	+12 22.3	1.783	2.673	11.8	20.1
4 1	9 58.48	+13 7.4	1.870	2.678	15.1	20.3

57563 2001 TT_{49} 2 23.4 93°.64 7°.5/17.2 18

1 22	10 53.08	+29 20.5	1.827	2.677	12.9	19.2
2 1	10 46.10	+30 30.6	1.787	2.694	10.0	19.1
2 11	10 36.80	+31 31.3	1.772	2.711	7.9	19.0
2 21	10 26.18	+32 13.9	1.783	2.728	7.6	19.0
3 2	10 15.50	+32 32.3	1.822	2.744	9.3	19.1
3 12	10 6.06	+32 24.7	1.886	2.760	11.9	19.3
3 22	9 58.76	+31 53.4	1.973	2.775	14.5	19.5
4 1	9 54.16	+31 2.4	2.079	2.791	16.7	19.7

226906 2004 TG_{190} 2 23.4 192°.75 2°.0/21.7 17

1 22	10 47.45	+13 55.4	1.992	2.839	12.1	21.4
2 1	10 41.95	+14 33.8	1.919	2.838	8.7	21.2
2 11	10 34.48	+15 17.9	1.871	2.838	4.9	20.9
2 21	10 25.75	+16 2.1	1.852	2.837	2.0	20.7
3 2	10 16.72	+16 40.5	1.861	2.836	4.4	20.9
3 12	10 8.43	+17 8.1	1.899	2.835	8.2	21.1
3 22	10 1.74	+17 22.3	1.963	2.834	11.8	21.3
4 1	9 57.24	+17 22.2	2.048	2.833	14.7	21.5

15756 1992 ET_{9} 2 23.4 206°.43 0°.1/23.4 18

1 22	10 47.75	+ 6 25.2	1.793	2.626	13.9	18.5
2 1	10 42.42	+ 7 17.8	1.711	2.622	10.2	18.2
2 11	10 34.87	+ 8 25.8	1.654	2.617	5.9	17.9
2 21	10 25.85	+ 9 43.3	1.624	2.612	1.2	17.6
3 2	10 16.37	+11 2.6	1.623	2.606	3.6	17.8
3 12	10 7.60	+12 15.7	1.651	2.599	8.3	18.0
3 22	10 0.52	+13 16.4	1.705	2.592	12.4	18.3
4 1	9 55.85	+14 1.1	1.781	2.584	15.9	18.5

289624 2005 GS_{51} 2 23.4 307°.96 3°.4/20.8 18

1 22	10 45.98	+14 33.3	1.472	2.336	14.6	20.3
2 1	10 41.60	+15 41.0	1.396	2.323	10.5	20.0
2 11	10 34.61	+16 58.7	1.343	2.311	6.1	19.7
2 21	10 25.82	+18 17.3	1.316	2.300	3.4	19.5
3 2	10 16.45	+19 26.6	1.316	2.288	6.4	19.7
3 12	10 7.95	+20 18.2	1.342	2.277	11.1	19.9
3 22	10 1.48	+20 47.6	1.391	2.266	15.4	20.1
4 1	9 57.87	+20 53.9	1.458	2.256	19.1	20.4

450357 2004 WV_{12} 2 23.4 44°.44 4°.4/20.4 18

1 22	10 47.85	+15 44.3	1.158	2.033	16.9	20.3
2 1	10 43.02	+17 4.3	1.119	2.051	12.1	20.0
2 11	10 35.31	+18 30.6	1.102	2.071	7.1	19.8
2 21	10 25.91	+19 51.1	1.109	2.091	4.4	19.7
3 2	10 16.39	+20 54.5	1.141	2.111	7.5	20.0
3 12	10 8.35	+21 33.5	1.197	2.132	12.1	20.3
3 22	10 2.89	+21 46.4	1.275	2.154	16.3	20.6
4 1	10 0.58	+21 35.3	1.371	2.175	19.8	20.9

421099 2013 QG_{60} 2 23.4 198°.68 0°.3/23.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.57	+10 7.0	2.007	2.840	12.6	20.7
2 1	10 44.19	+10 12.5	1.927	2.838	9.2	20.5
2 11	10 35.76	+10 25.4	1.873	2.836	5.3	20.3
2 21	10 26.02	+10 41.9	1.846	2.834	1.0	19.9
3 2	10 15.95	+10 57.7	1.850	2.832	3.4	20.1
3 12	10 6.62	+11 8.8	1.883	2.829	7.5	20.4
3 22	9 58.93	+11 12.2	1.942	2.826	11.3	20.6
4 1	9 53.51	+11 6.3	2.024	2.823	14.4	20.8

328531 2009 RM_{4} 2 23.4 177°.94 1°.3/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.59	+ 4 47.7	1.954	2.778	13.3	21.1
2 1	10 42.07	+ 5 1.8	1.875	2.778	9.9	20.9
2 11	10 34.57	+ 5 28.9	1.821	2.779	6.0	20.7
2 21	10 25.79	+ 6 5.5	1.794	2.779	2.0	20.4
3 2	10 16.68	+ 6 46.8	1.796	2.779	3.1	20.5
3 12	10 8.27	+ 7 27.2	1.827	2.779	7.2	20.8
3 22	10 1.43	+ 8 1.9	1.884	2.779	11.0	21.0
4 1	9 56.78	+ 8 27.4	1.964	2.778	14.3	21.2

405984 2006 SH_{208} 2 23.4 100°.97 1°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.44	+ 4 54.3	2.032	2.849	13.1	22.8
2 1	10 43.80	+ 5 21.2	1.977	2.878	9.6	22.6
2 11	10 35.37	+ 6 0.0	1.948	2.907	5.7	22.4
2 21	10 25.92	+ 6 46.5	1.948	2.934	1.7	22.2
3 2	10 16.40	+ 7 35.4	1.978	2.961	3.0	22.3
3 12	10 7.78	+ 8 21.1	2.038	2.987	6.8	22.6
3 22	10 0.82	+ 8 59.5	2.125	3.013	10.3	22.9
4 1	9 55.99	+ 9 27.9	2.235	3.037	13.1	23.1

381590 2008 UO_{335} 2 23.4 224°.20 1°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.90	+12 7.2	2.085	2.929	11.8	21.4
2 1	10 40.78	+12 46.5	2.009	2.927	8.5	21.2
2 11	10 33.80	+13 33.1	1.959	2.925	4.8	21.0
2 21	10 25.65	+14 21.6	1.937	2.923	1.5	20.8
3 2	10 17.18	+15 6.4	1.944	2.921	3.9	20.9
3 12	10 9.39	+15 42.4	1.980	2.919	7.7	21.2
3 22	10 3.06	+16 6.3	2.041	2.917	11.2	21.4
4 1	9 58.79	+16 16.5	2.125	2.915	14.1	21.6

431265 2006 UT_{58} 2 23.4 158°.36 1°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.86	+ 0 39.1	2.649	3.450	10.9	21.8
2 1	10 38.22	+ 1 10.2	2.566	3.454	8.2	21.6
2 11	10 32.20	+ 1 54.4	2.509	3.458	5.3	21.4
2 21	10 25.32	+ 2 48.9	2.481	3.462	2.4	21.2
3 2	10 18.21	+ 3 49.7	2.483	3.465	2.6	21.3
3 12	10 11.58	+ 4 51.7	2.515	3.468	5.5	21.4
3 22	10 6.03	+ 5 50.5	2.576	3.471	8.4	21.6
4 1	10 2.02	+ 6 42.2	2.661	3.473	11.0	21.8

62925 2000 VE_{14} 2 23.4 191°.17 0°.1/23.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.35	+ 8 20.2	2.937	3.761	9.3	20.2
2 1	10 38.48	+ 8 53.5	2.852	3.759	6.7	20.1
2 11	10 32.32	+ 9 34.1	2.795	3.758	3.8	19.9
2 21	10 25.34	+10 18.7	2.768	3.755	0.7	19.6
3 2	10 18.14	+11 3.6	2.771	3.753	2.4	19.8
3 12	10 11.37	+11 44.9	2.806	3.750	5.5	20.0
3 22	10 5.60	+12 19.6	2.868	3.747	8.2	20.1
4 1	10 1.25	+12 45.5	2.955	3.743	10.6	20.3

42960 1999 TJ_{139} 2 23.4 206°.29 0°.6/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.00	+ 9 21.8	1.956	2.790	12.8	20.6
2 1	10 43.17	+ 9 57.0	1.873	2.786	9.3	20.4
2 11	10 35.25	+10 42.4	1.816	2.781	5.3	20.2
2 21	10 25.95	+11 33.0	1.787	2.775	1.0	19.8
3 2	10 16.25	+12 22.6	1.788	2.769	3.6	20.0
3 12	10 7.24	+13 5.5	1.817	2.762	7.9	20.3
3 22	9 59.85	+13 37.3	1.873	2.755	11.8	20.5
4 1	9 54.72	+13 55.9	1.951	2.747	15.0	20.7

350065 2011 GT_{9} 2 23.4 201°.64 0°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.60	+ 5 0.3	1.668	2.498	14.9	21.5
2 1	10 43.92	+ 5 45.6	1.586	2.494	11.1	21.3
2 11	10 35.82	+ 6 48.3	1.528	2.490	6.5	21.0
2 21	10 26.09	+ 8 3.0	1.497	2.485	1.6	20.7
3 2	10 15.84	+ 9 21.7	1.496	2.479	3.7	20.8
3 12	10 6.37	+10 35.8	1.522	2.472	8.6	21.1
3 22	9 58.76	+11 38.4	1.574	2.465	13.0	21.3
4 1	9 53.77	+12 25.2	1.647	2.457	16.8	21.5

226833 2004 RU_{334} 2 23.4 158°.32 2°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.79	+13 15.5	2.125	2.971	11.5	20.6
2 1	10 40.66	+14 21.0	2.055	2.975	8.2	20.4
2 11	10 33.72	+15 33.4	2.012	2.978	4.7	20.2
2 21	10 25.64	+16 46.3	1.997	2.982	2.1	20.0
3 2	10 17.28	+17 53.0	2.013	2.985	4.5	20.2
3 12	10 9.59	+18 47.7	2.057	2.988	8.0	20.4
3 22	10 3.36	+19 27.0	2.127	2.990	11.3	20.6
4 1	9 59.15	+19 49.7	2.219	2.992	14.1	20.8

492443 2014 MW_{43} 2 23.5 277°.48 2°.3/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.59	+ 3 3.8	1.456	2.288	16.5	21.6
2 1	10 43.60	+ 3 9.4	1.366	2.273	12.6	21.3
2 11	10 35.86	+ 3 34.1	1.299	2.257	7.9	21.0
2 21	10 26.14	+ 4 15.0	1.256	2.240	3.2	20.7
3 2	10 15.67	+ 5 6.3	1.240	2.224	4.1	20.7
3 12	10 5.93	+ 6 0.1	1.251	2.207	9.2	20.9
3 22	9 58.22	+ 6 48.6	1.285	2.191	14.2	21.2
4 1	9 53.46	+ 7 25.9	1.340	2.174	18.5	21.4

9795 Deprez 2 23.5 177°.05 0°.4/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.93	+ 6 29.9	2.282	3.109	11.5	19.2
2 1	10 39.93	+ 7 1.2	2.203	3.109	8.4	19.0
2 11	10 33.28	+ 7 43.3	2.149	3.110	4.9	18.7
2 21	10 25.57	+ 8 32.1	2.123	3.110	1.2	18.5
3 2	10 17.58	+ 9 22.8	2.128	3.111	2.8	18.6
3 12	10 10.18	+10 10.4	2.161	3.111	6.5	18.8
3 22	10 4.08	+10 50.5	2.222	3.110	9.9	19.0
4 1	9 59.81	+11 20.4	2.307	3.110	12.7	19.2

255597 2006 OL_{17} 2 23.5 248°.79 0°.2/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.81	+ 7 43.4	1.834	2.669	13.5	21.0
2 1	10 42.54	+ 8 22.0	1.743	2.655	9.9	20.8
2 11	10 35.02	+ 9 13.9	1.676	2.640	5.7	20.5
2 21	10 25.96	+10 14.2	1.637	2.625	1.1	20.1
3 2	10 16.34	+11 16.0	1.627	2.609	3.7	20.3
3 12	10 7.34	+12 12.4	1.645	2.593	8.3	20.5
3 22	9 59.98	+12 57.7	1.689	2.576	12.5	20.7
4 1	9 55.01	+13 28.6	1.755	2.559	16.1	20.9

472944 2015 GH_{28} 2 23.5 330°.58 0°.3/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.57	+ 7 28.4	1.763	2.607	13.6	20.7
2 1	10 39.46	+ 7 49.7	1.676	2.592	10.0	20.4
2 11	10 33.25	+ 8 23.6	1.613	2.578	5.8	20.2
2 21	10 25.59	+ 9 5.9	1.577	2.564	1.3	19.8
3 2	10 17.47	+ 9 51.0	1.568	2.551	3.5	19.9
3 12	10 9.99	+10 32.3	1.586	2.539	8.0	20.2
3 22	10 4.11	+11 4.7	1.629	2.528	12.2	20.4
4 1	10 0.55	+11 24.9	1.694	2.517	15.8	20.6

86544 2000 DX_{106} 2 23.5 123°.50 3°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.43	+15 34.2	1.642	2.494	14.0	19.3
2 1	10 45.07	+16 51.1	1.589	2.511	10.0	19.1
2 11	10 36.34	+18 13.3	1.561	2.527	5.9	18.8
2 21	10 26.18	+19 31.8	1.561	2.542	3.5	18.7
3 2	10 15.82	+20 37.6	1.589	2.557	6.1	18.9
3 12	10 6.55	+21 24.4	1.645	2.570	10.1	19.2
3 22	9 59.35	+21 50.1	1.725	2.584	13.8	19.4
4 1	9 54.82	+21 55.2	1.826	2.596	16.8	19.7

503027 2015 FG_{139} 2 23.5 109°.41 4°.2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.50	+22 56.7	2.416	3.265	10.2	21.1
2 1	10 41.69	+23 42.2	2.357	3.273	7.5	21.0
2 11	10 34.21	+24 25.4	2.324	3.280	5.1	20.8
2 21	10 25.75	+25 0.6	2.320	3.287	4.3	20.8
3 2	10 17.13	+25 23.3	2.346	3.295	5.9	20.9
3 12	10 9.24	+25 30.6	2.400	3.302	8.5	21.1
3 22	10 2.78	+25 22.1	2.478	3.309	11.0	21.3
4 1	9 58.24	+24 58.8	2.579	3.316	13.3	21.4

328681 2009 SK_{332} 2 23.5 136°.20 1°.5/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.80	+ 2 5.6	2.191	3.002	12.5	21.4
2 1	10 40.56	+ 2 43.0	2.118	3.013	9.3	21.2
2 11	10 33.63	+ 3 35.1	2.070	3.024	5.8	21.0
2 21	10 25.64	+ 4 37.9	2.050	3.034	2.2	20.8
3 2	10 17.43	+ 5 46.1	2.060	3.043	2.8	20.9
3 12	10 9.87	+ 6 53.4	2.100	3.052	6.4	21.1
3 22	10 3.69	+ 7 54.6	2.167	3.061	9.8	21.3
4 1	9 59.41	+ 8 45.5	2.259	3.069	12.8	21.6

423700 2006 AP_{50} 2 23.5 44°.07 3°.7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.34	− 0 17.4	1.683	2.497	15.5	21.0
2 1	10 42.08	− 0 33.3	1.615	2.506	12.0	20.8
2 11	10 34.66	− 0 31.2	1.570	2.516	8.0	20.5
2 21	10 25.87	− 0 12.8	1.550	2.526	4.5	20.4
3 2	10 16.80	+ 0 17.9	1.557	2.537	4.3	20.4
3 12	10 8.60	+ 0 55.1	1.592	2.548	7.8	20.6
3 22	10 2.20	+ 1 32.6	1.653	2.559	11.6	20.8
4 1	9 58.22	+ 2 5.2	1.735	2.570	14.9	21.1

18725 Atacama 2 23.5 58°.90 3°.4/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.28	− 2 26.0	1.761	2.568	15.2	17.4
2 1	10 39.77	− 2 1.2	1.694	2.581	11.8	17.2
2 11	10 33.30	− 1 15.0	1.650	2.594	7.9	17.0
2 21	10 25.59	− 0 10.8	1.631	2.608	4.3	16.8
3 2	10 17.65	+ 1 5.4	1.640	2.621	4.0	16.8
3 12	10 10.50	+ 2 25.6	1.678	2.635	7.3	17.1
3 22	10 5.00	+ 3 42.1	1.741	2.648	11.0	17.3
4 1	10 1.71	+ 4 48.8	1.827	2.662	14.3	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
259154 2002 XJ_{109}			2 23.5 119°.60		4°.8/27.5 18	
	h m	° ′			°	m
1 22	10 48.57	− 4 30.8	1.918	2.702	15.0	20.7
2 1	10 42.78	− 4 44.7	1.845	2.714	11.9	20.5
2 11	10 34.99	− 4 38.9	1.794	2.725	8.5	20.3
2 21	10 25.94	− 4 14.4	1.770	2.735	5.5	20.2
3 2	10 16.60	− 3 34.6	1.774	2.746	5.0	20.2
3 12	10 8.04	− 2 45.1	1.806	2.756	7.5	20.3
3 22	10 1.10	− 1 52.4	1.864	2.765	10.7	20.5
4 1	9 56.40	− 1 2.5	1.946	2.775	13.8	20.8
413885 2006 VW_{68}			2 23.5 151°.38		1°.3/24.7 18	
1 22	10 47.60	+ 3 52.6	2.006	2.825	13.2	21.8
2 1	10 42.02	+ 4 16.6	1.930	2.831	9.8	21.6
2 11	10 34.54	+ 4 54.4	1.880	2.837	6.0	21.4
2 21	10 25.86	+ 5 42.4	1.857	2.843	2.1	21.2
3 2	10 16.89	+ 6 35.1	1.864	2.848	3.0	21.2
3 12	10 8.63	+ 7 26.7	1.900	2.852	7.0	21.5
3 22	10 1.91	+ 8 12.1	1.963	2.857	10.7	21.7
4 1	9 57.31	+ 8 47.5	2.049	2.860	13.8	21.9
263839 2008 WM_{2}			2 23.5 141°.54		13°.7/10.5 18	
1 22	10 54.80	+34 0.4	1.199	2.063	17.2	20.2
2 1	10 49.01	+37 35.0	1.170	2.072	14.6	20.0
2 11	10 39.28	+40 51.5	1.166	2.080	13.7	20.0
2 21	10 26.87	+43 28.4	1.186	2.088	14.8	20.1
3 2	10 13.83	+45 11.5	1.229	2.095	17.3	20.3
3 12	10 2.48	+45 58.1	1.291	2.101	20.1	20.5
3 22	9 54.50	+45 55.1	1.368	2.107	22.7	20.7
4 1	9 50.75	+45 12.8	1.457	2.112	24.9	20.9
31852 2000 EO_{43}			2 23.5 180°.63		2°.1/21.4 18	
1 22	10 49.19	+14 40.3	2.293	3.131	11.0	19.7
2 1	10 43.03	+15 23.0	2.217	3.133	7.9	19.5
2 11	10 35.07	+16 10.1	2.169	3.134	4.5	19.3
2 21	10 25.97	+16 56.4	2.150	3.134	2.1	19.1
3 2	10 16.60	+17 36.4	2.161	3.133	4.2	19.2
3 12	10 7.89	+18 5.9	2.202	3.132	7.6	19.4
3 22	10 0.62	+18 22.5	2.270	3.130	10.8	19.6
4 1	9 55.36	+18 25.5	2.360	3.128	13.5	19.8
87100 2000 LU_{14}			2 23.5 248°.52		7°.2/29.5 18	
1 22	10 47.43	−11 23.0	2.107	2.850	15.1	18.9
2 1	10 42.09	−12 0.6	2.007	2.837	12.8	18.7
2 11	10 34.73	−12 16.7	1.929	2.824	10.2	18.5
2 21	10 25.94	−12 9.6	1.875	2.811	8.0	18.4
3 2	10 16.59	−11 40.0	1.848	2.797	7.2	18.3
3 12	10 7.72	−10 51.8	1.849	2.782	8.6	18.3
3 22	10 0.26	− 9 51.2	1.875	2.768	11.2	18.5
4 1	9 54.91	− 8 45.7	1.925	2.753	14.0	18.6
498171 2007 TC_{199}			2 23.5 86°.55		3°.3/26.9 17	
1 22	10 43.72	− 2 48.7	2.242	3.034	12.9	21.5
2 1	10 39.06	− 2 36.7	2.165	3.042	10.0	21.3
2 11	10 32.79	− 2 7.7	2.111	3.050	6.9	21.2
2 21	10 25.51	− 1 23.8	2.085	3.057	4.1	21.0
3 2	10 17.99	− 0 29.1	2.087	3.065	3.7	21.0
3 12	10 11.06	+ 0 31.1	2.119	3.073	6.3	21.2
3 22	10 5.43	+ 1 31.0	2.178	3.080	9.3	21.4
4 1	10 1.60	+ 2 25.7	2.261	3.088	12.2	21.6
518688 2008 VO_{82}			2 23.5 177°.35		1°.5/22.0 17	
1 22	10 45.69	+12 17.3	2.082	2.926	11.8	21.8
2 1	10 40.64	+12 59.1	2.008	2.926	8.4	21.6
2 11	10 33.76	+13 48.0	1.960	2.926	4.7	21.4
2 21	10 25.71	+14 38.7	1.940	2.926	1.6	21.2
3 2	10 17.38	+15 25.2	1.949	2.926	4.0	21.3
3 12	10 9.72	+16 2.6	1.987	2.926	7.7	21.6
3 22	10 3.53	+16 27.6	2.051	2.926	11.2	21.8
4 1	9 59.38	+16 38.6	2.137	2.926	14.1	22.0
130666 2000 SH_{109}			2 23.5 84°.28		0°.1/23.4 18	
1 22	10 50.09	+ 7 48.3	1.497	2.340	15.6	20.1
2 1	10 44.19	+ 8 21.7	1.442	2.358	11.3	19.9
2 11	10 35.88	+ 9 8.3	1.410	2.375	6.5	19.6
2 21	10 26.13	+10 2.0	1.405	2.393	1.3	19.3
3 2	10 16.20	+10 55.1	1.427	2.410	3.9	19.5
3 12	10 7.40	+11 40.4	1.477	2.427	8.8	19.9
3 22	10 0.72	+12 13.3	1.551	2.444	13.0	20.2
4 1	9 56.76	+12 31.3	1.646	2.461	16.5	20.4
127128 2002 GJ_{104}			2 23.5 256°.89		2°.9/20.4 17	
1 22	10 45.07	+15 19.6	2.081	2.932	11.5	20.2
2 1	10 40.33	+16 31.6	2.000	2.922	8.2	20.0
2 11	10 33.66	+17 50.2	1.945	2.911	4.9	19.8
2 21	10 25.71	+19 8.4	1.918	2.900	2.9	19.6
3 2	10 17.35	+20 18.9	1.921	2.888	5.3	19.8
3 12	10 9.58	+21 15.4	1.953	2.877	8.8	19.9
3 22	10 3.25	+21 54.3	2.009	2.865	12.2	20.1
4 1	9 59.01	+22 14.6	2.087	2.854	15.1	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
252594 2001 XM_{10}			2 23.5 18°.86		8°.9/29.3 18	
	h m	° ′			°	m
1 22	10 46.77	− 8 57.9	1.371	2.161	19.6	19.4
2 1	10 42.15	−10 11.0	1.307	2.168	16.3	19.2
2 11	10 34.92	−10 56.5	1.262	2.177	12.8	19.0
2 21	10 25.97	−11 11.6	1.239	2.186	9.9	18.9
3 2	10 16.60	−10 57.3	1.240	2.197	9.0	18.9
3 12	10 8.23	−10 19.4	1.265	2.209	10.7	19.0
3 22	10 2.01	− 9 27.0	1.313	2.222	13.8	19.2
4 1	9 58.68	− 8 29.9	1.381	2.235	17.0	19.4
105115 2000 LA_{22}			2 23.5 230°.45		5°.7/ 1.2 18	
1 22	10 43.65	−12 31.1	2.838	3.560	12.1	20.4
2 1	10 38.87	−12 42.1	2.734	3.549	10.2	20.2
2 11	10 32.67	−12 35.0	2.652	3.538	8.1	20.0
2 21	10 25.50	−12 9.4	2.597	3.527	6.4	19.9
3 2	10 17.99	−11 26.7	2.569	3.515	5.7	19.8
3 12	10 10.86	−10 30.4	2.571	3.502	6.6	19.9
3 22	10 4.72	− 9 25.4	2.600	3.490	8.5	20.0
4 1	10 0.09	− 8 17.2	2.655	3.476	10.7	20.1
258411 2001 XK_{147}			2 23.5 29°.89		9°.3/ 1.8 18	
1 22	10 46.03	−12 48.3	1.563	2.323	18.9	19.8
2 1	10 41.40	−13 44.7	1.494	2.331	16.0	19.6
2 11	10 34.41	−14 12.1	1.445	2.340	12.9	19.4
2 21	10 25.87	−14 8.3	1.418	2.350	10.3	19.3
3 2	10 16.92	−13 34.2	1.414	2.360	9.3	19.2
3 12	10 8.85	−12 36.2	1.436	2.371	10.4	19.3
3 22	10 2.69	−11 23.2	1.481	2.383	12.9	19.5
4 1	9 59.14	−10 5.4	1.547	2.395	15.8	19.7
58668 1997 YJ_{3}			2 23.5 166°.85		4°.3/19.8 18	
1 22	10 51.18	+18 47.6	1.820	2.671	12.9	18.9
2 1	10 44.87	+19 58.5	1.756	2.676	9.3	18.7
2 11	10 36.27	+21 11.8	1.718	2.680	5.8	18.5
2 21	10 26.23	+22 19.1	1.708	2.683	4.3	18.4
3 2	10 15.87	+23 12.3	1.727	2.686	6.6	18.5
3 12	10 6.43	+23 46.4	1.774	2.688	10.2	18.7
3 22	9 58.89	+23 59.5	1.844	2.690	13.6	19.0
4 1	9 53.89	+23 52.7	1.936	2.691	16.5	19.2
237238 2008 WY_{21}			2 23.5 88°.60		0°.6/22.9 18	
1 22	10 46.34	+ 9 44.9	2.105	2.942	11.9	20.7
2 1	10 40.98	+10 17.4	2.041	2.955	8.6	20.5
2 11	10 33.88	+10 58.2	2.003	2.968	4.8	20.3
2 21	10 25.73	+11 42.5	1.993	2.981	1.0	20.0
3 2	10 17.41	+12 25.2	2.013	2.994	3.3	20.2
3 12	10 9.83	+13 1.2	2.062	3.007	7.1	20.5
3 22	10 3.73	+13 27.3	2.137	3.020	10.4	20.7
4 1	9 59.61	+13 41.8	2.235	3.032	13.3	20.9
413071 2001 SR_{184}			2 23.5 179°.04		0°.4/23.8 16	
1 22	10 46.79	+ 6 4.5	2.142	2.967	12.2	22.1
2 1	10 41.39	+ 6 43.8	2.062	2.968	9.0	21.9
2 11	10 34.18	+ 7 35.2	2.008	2.969	5.2	21.7
2 21	10 25.81	+ 8 34.3	1.982	2.970	1.2	21.4
3 2	10 17.12	+ 9 35.4	1.987	2.970	3.0	21.6
3 12	10 9.07	+10 32.7	2.021	2.969	6.9	21.8
3 22	10 2.43	+11 21.3	2.082	2.968	10.5	22.0
4 1	9 57.79	+11 58.1	2.166	2.966	13.5	22.2
183469 2003 BF_{81}			2 23.5 88°.30		1°.2/22.4 18	
1 22	10 49.03	+10 41.6	1.791	2.633	13.5	20.4
2 1	10 43.08	+11 29.9	1.739	2.656	9.6	20.3
2 11	10 35.12	+12 26.8	1.712	2.679	5.4	20.0
2 21	10 25.98	+13 25.9	1.714	2.701	1.4	19.8
3 2	10 16.73	+14 20.3	1.744	2.723	4.1	20.1
3 12	10 8.46	+15 4.1	1.803	2.745	8.2	20.3
3 22	10 2.00	+15 34.1	1.887	2.766	11.8	20.6
4 1	9 57.88	+15 49.0	1.993	2.787	14.8	20.8
196525 2003 OT_{15}			2 23.5 166°.67		3°.2/27.1 17	
1 22	10 45.07	− 3 20.7	2.540	3.320	11.9	21.7
2 1	10 39.90	− 3 8.1	2.455	3.325	9.3	21.5
2 11	10 33.23	− 2 40.1	2.395	3.329	6.5	21.3
2 21	10 25.61	− 1 58.2	2.362	3.332	3.9	21.1
3 2	10 17.73	− 1 6.0	2.359	3.335	3.5	21.1
3 12	10 10.37	− 0 8.2	2.386	3.338	5.8	21.3
3 22	10 4.17	+ 0 50.2	2.442	3.339	8.7	21.4
4 1	9 59.62	+ 1 44.4	2.522	3.341	11.3	21.6
162746 2000 WJ_{24}			2 23.5 10°.09		6°.6/28.8 18	
1 22	10 40.82	− 7 24.1	1.169	1.988	20.6	18.8
2 1	10 38.13	− 7 16.6	1.103	1.990	16.7	18.5
2 11	10 32.74	− 6 32.9	1.055	1.993	12.2	18.2
2 21	10 25.56	− 5 14.5	1.029	1.997	8.0	18.0
3 2	10 17.89	− 3 28.4	1.025	2.002	6.7	18.0
3 12	10 11.25	− 1 28.1	1.046	2.009	9.8	18.1
3 22	10 6.84	+ 0 32.1	1.090	2.016	14.2	18.4
4 1	10 5.42	+ 2 19.7	1.153	2.025	18.4	18.7

288936 2004 SF_{39} 2 23.5 150°.41 0°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.03	+ 4 47.9	1.956	2.775	13.4	22.0
2 1	10 43.80	+ 5 20.4	1.885	2.786	9.9	21.7
2 11	10 35.57	+ 6 6.5	1.838	2.797	5.9	21.5
2 21	10 26.09	+ 7 1.7	1.819	2.806	1.7	21.3
3 2	10 16.34	+ 8 0.2	1.831	2.814	3.1	21.4
3 12	10 7.38	+ 8 55.5	1.872	2.822	7.3	21.6
3 22	10 0.08	+ 9 42.7	1.940	2.829	11.0	21.9
4 1	9 55.01	+10 18.3	2.031	2.835	14.2	22.1

205590 2001 TU_{176} 2 23.5 322°.59 4°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.23	+23 22.3	2.235	3.082	10.9	20.1
2 1	10 43.82	+23 52.8	2.167	3.082	8.1	19.9
2 11	10 35.52	+24 20.0	2.125	3.081	5.5	19.7
2 21	10 26.07	+24 38.5	2.112	3.081	4.5	19.7
3 2	10 16.42	+24 43.5	2.129	3.081	6.2	19.8
3 12	10 7.58	+24 32.6	2.173	3.080	9.0	19.9
3 22	10 0.34	+24 5.9	2.243	3.080	11.8	20.1
4 1	9 55.26	+23 24.9	2.334	3.080	14.3	20.3

404974 1999 VF_{75} 2 23.5 167°.32 2°.6/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.61	+ 0 19.1	1.901	2.709	14.2	22.0
2 1	10 42.17	+ 0 38.9	1.821	2.713	10.8	21.7
2 11	10 34.71	+ 1 16.5	1.766	2.716	7.0	21.5
2 21	10 25.93	+ 2 8.8	1.738	2.718	3.4	21.3
3 2	10 16.80	+ 3 10.4	1.738	2.720	3.5	21.3
3 12	10 8.39	+ 4 14.6	1.768	2.722	7.2	21.5
3 22	10 1.57	+ 5 15.0	1.823	2.723	11.0	21.8
4 1	9 56.98	+ 6 6.3	1.903	2.724	14.4	22.0

81539 2000 HQ_{18} 2 23.5 184°.53 3°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.77	+16 29.0	2.025	2.873	11.9	20.2
2 1	10 42.95	+17 21.5	1.954	2.873	8.6	20.0
2 11	10 35.12	+18 18.0	1.908	2.873	5.1	19.8
2 21	10 26.01	+19 11.9	1.891	2.872	3.0	19.7
3 2	10 16.59	+19 56.7	1.904	2.871	5.2	19.8
3 12	10 7.92	+20 27.5	1.945	2.870	8.8	20.0
3 22	10 0.87	+20 42.0	2.011	2.868	12.1	20.2
4 1	9 56.06	+20 40.2	2.098	2.866	15.0	20.4

157263 2004 RZ_{185} 2 23.5 229°.47 2°.4/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.50	+ 1 50.9	1.923	2.739	13.8	20.0
2 1	10 41.36	+ 1 55.2	1.843	2.739	10.5	19.8
2 11	10 34.25	+ 2 14.8	1.786	2.738	6.7	19.6
2 21	10 25.84	+ 2 47.1	1.756	2.738	3.1	19.3
3 2	10 17.08	+ 3 27.8	1.755	2.737	3.4	19.3
3 12	10 9.00	+ 4 11.3	1.782	2.737	7.1	19.6
3 22	10 2.47	+ 4 52.0	1.835	2.736	10.9	19.8
4 1	9 58.12	+ 5 25.6	1.911	2.736	14.2	20.0

110910 2001 UC_{125} 2 23.5 103°.04 2°.9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.60	+13 42.8	1.807	2.661	12.8	19.5
2 1	10 40.80	+15 10.5	1.745	2.669	9.1	19.3
2 11	10 33.94	+16 46.4	1.709	2.676	5.2	19.0
2 21	10 25.78	+18 21.8	1.701	2.683	2.9	18.9
3 2	10 17.32	+19 47.9	1.721	2.691	5.5	19.1
3 12	10 9.67	+20 57.3	1.770	2.698	9.3	19.3
3 22	10 3.71	+21 46.3	1.843	2.705	12.9	19.5
4 1	10 0.04	+22 14.0	1.937	2.711	15.8	19.8

320785 2008 ED_{140} 2 23.5 59°.43 0°.6/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.29	+ 7 40.3	1.414	2.262	16.0	20.7
2 1	10 42.87	+ 8 38.3	1.372	2.290	11.5	20.5
2 11	10 35.09	+ 9 50.3	1.352	2.319	6.4	20.3
2 21	10 25.99	+11 8.1	1.359	2.348	1.2	20.0
3 2	10 16.83	+12 22.5	1.394	2.376	4.2	20.3
3 12	10 8.90	+13 25.1	1.455	2.405	9.0	20.6
3 22	10 3.12	+14 11.1	1.541	2.433	13.2	20.9
4 1	10 0.02	+14 38.7	1.647	2.462	16.5	21.2

12401 Tucholsky 2 23.5 243°.05 0°.4/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.16	+ 8 17.0	1.843	2.680	13.4	19.2
2 1	10 42.80	+ 8 58.0	1.753	2.666	9.8	19.0
2 11	10 35.20	+ 9 51.8	1.688	2.652	5.6	18.7
2 21	10 26.06	+10 53.2	1.650	2.638	1.1	18.4
3 2	10 16.39	+11 55.4	1.641	2.623	3.8	18.5
3 12	10 7.34	+12 51.3	1.661	2.608	8.3	18.8
3 22	9 59.92	+13 35.5	1.707	2.592	12.5	19.0
4 1	9 54.90	+14 4.8	1.774	2.576	16.1	19.2

398689 2012 WJ_{11} 2 23.5 330°.49 2°.8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.52	+12 44.2	1.157	2.028	17.2	20.7
2 1	10 43.24	+13 36.0	1.089	2.020	12.5	20.4
2 11	10 35.81	+14 40.8	1.043	2.013	7.1	20.0
2 21	10 26.21	+15 49.2	1.020	2.006	2.8	19.7
3 2	10 15.98	+16 49.7	1.022	2.000	6.4	19.9
3 12	10 6.90	+17 32.6	1.048	1.994	12.0	20.2
3 22	10 0.38	+17 53.1	1.095	1.990	17.1	20.5
4 1	9 57.28	+17 50.1	1.160	1.985	21.4	20.8

323104 2002 XJ_{36} 2 23.5 111°.68 6°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.61	+24 12.0	1.749	2.608	12.9	20.5
2 1	10 43.83	+25 33.2	1.696	2.615	9.7	20.3
2 11	10 35.71	+26 51.3	1.668	2.621	7.0	20.1
2 21	10 26.15	+27 56.8	1.667	2.628	6.4	20.1
3 2	10 16.32	+28 41.8	1.693	2.634	8.5	20.2
3 12	10 7.52	+29 2.3	1.745	2.640	11.6	20.4
3 22	10 0.71	+28 58.1	1.820	2.646	14.6	20.6
4 1	9 56.53	+28 32.1	1.914	2.651	17.2	20.8

19273 1995 XJ 2 23.5 67°.08 5°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.56	+22 22.8	1.799	2.659	12.5	18.3
2 1	10 42.20	+23 42.6	1.752	2.673	9.2	18.2
2 11	10 34.70	+25 0.4	1.730	2.687	6.4	18.0
2 21	10 25.93	+26 7.6	1.735	2.701	5.6	18.0
3 2	10 16.99	+26 56.8	1.769	2.716	7.7	18.2
3 12	10 9.04	+27 23.6	1.828	2.730	10.7	18.4
3 22	10 2.94	+27 27.9	1.911	2.744	13.7	18.6
4 1	9 59.27	+27 11.4	2.013	2.758	16.2	18.8

285135 1995 SB_{72} 2 23.5 89°.06 2°.6/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.94	− 1 14.1	2.355	3.153	12.1	20.9
2 1	10 38.45	− 0 49.7	2.278	3.162	9.3	20.7
2 11	10 32.44	− 0 9.8	2.226	3.170	6.2	20.5
2 21	10 25.49	+ 0 43.1	2.201	3.178	3.3	20.3
3 2	10 18.32	+ 1 44.6	2.206	3.187	3.1	20.3
3 12	10 11.70	+ 2 49.1	2.240	3.195	5.9	20.5
3 22	10 6.31	+ 3 51.3	2.302	3.203	9.0	20.7
4 1	10 2.62	+ 4 46.8	2.389	3.211	11.8	20.9

266997 2010 XR_{86} 2 23.5 143°.40 1°.4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.45	+ 3 6.1	2.153	2.966	12.6	20.8
2 1	10 41.80	+ 3 34.4	2.080	2.976	9.4	20.6
2 11	10 34.39	+ 4 16.4	2.031	2.986	5.8	20.4
2 21	10 25.89	+ 5 8.3	2.011	2.996	2.1	20.1
3 2	10 17.14	+ 6 5.0	2.021	3.005	2.9	20.2
3 12	10 9.08	+ 7 0.9	2.061	3.013	6.6	20.5
3 22	10 2.45	+ 7 51.0	2.128	3.021	10.0	20.7
4 1	9 57.81	+ 8 31.5	2.219	3.028	13.0	20.9

10475 Maxpoilâne 2 23.5 266°.44 2°.8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.62	+ 2 21.5	1.572	2.396	15.9	18.7
2 1	10 44.15	+ 2 12.7	1.486	2.386	12.2	18.5
2 11	10 36.11	+ 2 21.0	1.422	2.376	7.9	18.2
2 21	10 26.29	+ 2 44.3	1.383	2.365	3.6	17.9
3 2	10 15.85	+ 3 18.1	1.372	2.355	4.1	17.9
3 12	10 6.17	+ 3 56.2	1.388	2.344	8.6	18.2
3 22	9 58.42	+ 4 32.0	1.429	2.333	13.2	18.4
4 1	9 53.42	+ 5 0.3	1.491	2.323	17.1	18.6

113721 2002 TB_{137} 2 23.5 270°.90 4°.3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.60	− 4 32.8	2.200	2.983	13.4	19.6
2 1	10 39.84	− 4 40.0	2.111	2.979	10.7	19.4
2 11	10 33.34	− 4 29.4	2.046	2.976	7.7	19.2
2 21	10 25.70	− 4 2.1	2.007	2.973	5.0	19.0
3 2	10 17.70	− 3 20.7	1.997	2.969	4.5	19.0
3 12	10 10.25	− 2 30.4	2.015	2.966	6.8	19.1
3 22	10 4.10	− 1 36.7	2.060	2.962	9.8	19.3
4 1	9 59.85	− 0 45.1	2.129	2.959	12.7	19.4

171678 2000 QD_{170} 2 23.5 214°.26 1°.1/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.75	+ 4 32.2	2.805	3.615	10.1	20.8
2 1	10 39.61	+ 4 46.5	2.712	3.609	7.5	20.6
2 11	10 33.07	+ 5 10.1	2.647	3.602	4.6	20.4
2 21	10 25.63	+ 5 40.6	2.610	3.595	1.6	20.2
3 2	10 17.93	+ 6 15.0	2.604	3.588	2.4	20.2
3 12	10 10.65	+ 6 49.3	2.629	3.580	5.4	20.4
3 22	10 4.40	+ 7 20.3	2.682	3.572	8.3	20.6
4 1	9 59.67	+ 7 45.2	2.760	3.563	10.9	20.7

14455 1993 FB_{18} 2 23.5 221°.20 2°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.70	+12 59.6	1.730	2.577	13.6	18.2
2 1	10 44.02	+13 59.6	1.650	2.570	9.8	18.0
2 11	10 35.95	+15 9.2	1.595	2.561	5.6	17.7
2 21	10 26.25	+16 20.8	1.567	2.552	2.4	17.5
3 2	10 16.04	+17 26.0	1.569	2.543	5.2	17.6
3 12	10 6.60	+18 17.5	1.598	2.533	9.6	17.9
3 22	9 58.99	+18 51.2	1.652	2.522	13.7	18.1
4 1	9 53.98	+19 5.7	1.726	2.511	17.1	18.3

237353 1207 $T\text{-}_2$ 2 23.5 195°.36 1°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.80	+13 1.5	2.111	2.946	12.0	21.3
2 1	10 45.12	+13 43.6	2.030	2.943	8.7	21.1
2 11	10 36.40	+14 32.1	1.974	2.939	4.9	20.8
2 21	10 26.33	+15 21.6	1.948	2.934	1.8	20.6
3 2	10 15.88	+16 5.9	1.953	2.928	4.2	20.8
3 12	10 6.13	+16 40.0	1.987	2.922	8.1	21.0
3 22	9 57.96	+17 0.9	2.049	2.914	11.6	21.2
4 1	9 52.03	+17 7.6	2.132	2.905	14.6	21.4

421384 2013 UD_6 2 23.5 173°.38 2°.8/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.05	− 0 21.8	2.070	2.875	13.3	21.1
2 1	10 40.22	− 0 8.4	1.988	2.876	10.2	20.9
2 11	10 33.58	+ 0 21.7	1.930	2.876	6.8	20.7
2 21	10 25.77	+ 1 5.8	1.898	2.877	3.5	20.5
3 2	10 17.63	+ 1 59.8	1.896	2.877	3.4	20.5
3 12	10 10.11	+ 2 57.5	1.922	2.877	6.7	20.7
3 22	10 3.99	+ 3 53.3	1.975	2.877	10.2	20.9
4 1	9 59.86	+ 4 42.2	2.052	2.877	13.3	21.1

145573 2006 OA_{13} 2 23.5 221°.79 0°.9/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.63	+10 52.9	2.124	2.956	12.1	20.9
2 1	10 44.33	+11 22.1	2.034	2.945	8.8	20.7
2 11	10 35.99	+11 59.4	1.969	2.933	5.0	20.4
2 21	10 26.27	+12 39.9	1.933	2.921	1.2	20.1
3 2	10 16.10	+13 18.5	1.928	2.907	3.6	20.3
3 12	10 6.54	+13 49.9	1.952	2.893	7.7	20.5
3 22	9 58.48	+14 10.8	2.003	2.878	11.4	20.7
4 1	9 52.61	+14 19.4	2.077	2.863	14.6	20.9

109754 2001 RM_{70} 2 23.5 282°.95 3°.2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.13	+17 53.6	1.735	2.584	13.5	18.0
2 1	10 46.47	+18 8.4	1.656	2.576	9.8	17.8
2 11	10 37.32	+18 24.4	1.602	2.567	5.9	17.5
2 21	10 26.54	+18 35.6	1.576	2.558	3.2	17.3
3 2	10 15.34	+18 36.3	1.578	2.549	5.6	17.5
3 12	10 5.06	+18 23.0	1.608	2.541	9.7	17.7
3 22	9 56.79	+17 54.9	1.662	2.532	13.6	17.9
4 1	9 51.25	+17 13.0	1.738	2.523	17.0	18.1

425217 2009 VL_{63} 2 23.5 83°.66 0°.2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.11	+ 8 11.5	1.905	2.743	13.0	21.7
2 1	10 41.06	+ 8 46.9	1.836	2.749	9.4	21.4
2 11	10 34.07	+ 9 33.3	1.791	2.756	5.4	21.2
2 21	10 25.86	+10 25.6	1.774	2.762	1.0	20.9
3 2	10 17.40	+11 17.9	1.786	2.769	3.4	21.1
3 12	10 9.69	+12 4.0	1.827	2.775	7.5	21.4
3 22	10 3.57	+12 39.8	1.893	2.782	11.3	21.6
4 1	9 59.61	+13 2.6	1.981	2.788	14.4	21.8

419721 2010 VT_{23} 2 23.5 177°.71 4°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.85	+19 35.1	1.989	2.839	12.0	21.5
2 1	10 43.80	+20 33.9	1.922	2.841	8.7	21.3
2 11	10 35.65	+21 33.8	1.881	2.842	5.5	21.1
2 21	10 26.19	+22 27.7	1.868	2.843	4.1	21.0
3 2	10 16.43	+23 8.9	1.884	2.843	6.2	21.1
3 12	10 7.48	+23 32.9	1.928	2.843	9.5	21.3
3 22	10 0.25	+23 38.2	1.997	2.842	12.7	21.5
4 1	9 55.35	+23 25.7	2.087	2.841	15.5	21.7

29034 2149 $T\text{-}_1$ 2 23.5 43°.06 2°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.11	+14 40.6	2.016	2.864	11.9	17.7
2 1	10 41.67	+15 7.3	1.952	2.871	8.5	17.5
2 11	10 34.37	+15 38.3	1.913	2.879	4.9	17.3
2 21	10 25.93	+16 8.3	1.902	2.887	2.0	17.1
3 2	10 17.30	+16 32.2	1.920	2.895	4.3	17.3
3 12	10 9.46	+16 46.1	1.966	2.904	7.9	17.5
3 22	10 3.21	+16 47.9	2.038	2.912	11.3	17.8
4 1	9 59.07	+16 37.3	2.132	2.921	14.1	18.0

301118 2008 WG_{50} 2 23.5 30°.74 4°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.80	+16 39.9	1.266	2.136	16.1	20.9
2 1	10 43.84	+17 45.2	1.210	2.140	11.6	20.7
2 11	10 35.98	+18 56.6	1.177	2.145	6.9	20.4
2 21	10 26.29	+20 3.4	1.169	2.150	4.4	20.3
3 2	10 16.25	+20 55.2	1.187	2.156	7.4	20.5
3 12	10 7.46	+21 24.9	1.229	2.162	12.0	20.7
3 22	10 1.14	+21 30.3	1.292	2.169	16.3	21.0
4 1	9 57.98	+21 12.9	1.374	2.176	19.9	21.3

15923 1997 VN_3 2 23.5 267°.29 9°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.87	−18 40.9	2.054	2.753	16.7	18.1
2 1	10 41.16	−19 22.6	1.949	2.735	14.8	17.9
2 11	10 34.35	−19 37.7	1.863	2.717	12.6	17.7
2 21	10 25.99	−19 22.7	1.799	2.698	10.7	17.5
3 2	10 16.99	−18 36.8	1.759	2.679	9.7	17.4
3 12	10 8.43	−17 23.8	1.745	2.660	10.3	17.4
3 22	10 1.29	−15 50.8	1.756	2.640	12.3	17.5
4 1	9 56.36	−14 7.4	1.790	2.620	14.8	17.6

148720 2001 TC_{52} 2 23.5 147°.89 2°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.52	+14 49.8	2.449	3.287	10.4	20.7
2 1	10 42.42	+15 43.7	2.384	3.299	7.5	20.5
2 11	10 34.70	+16 41.5	2.346	3.311	4.3	20.3
2 21	10 26.00	+17 37.9	2.339	3.322	2.2	20.2
3 2	10 17.12	+18 27.5	2.362	3.332	4.2	20.4
3 12	10 8.89	+19 6.1	2.415	3.342	7.3	20.6
3 22	10 2.02	+19 31.4	2.496	3.350	10.2	20.8
4 1	9 57.01	+19 42.9	2.599	3.358	12.6	21.0

372942 2011 BN_{71} 2 23.5 134°.38 0°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.46	+ 4 50.4	2.087	2.909	12.6	21.4
2 1	10 41.18	+ 5 20.2	2.014	2.917	9.3	21.2
2 11	10 34.10	+ 6 2.7	1.966	2.925	5.6	20.9
2 21	10 25.90	+ 6 53.9	1.946	2.932	1.7	20.7
3 2	10 17.44	+ 7 48.5	1.955	2.939	2.9	20.8
3 12	10 9.67	+ 8 40.7	1.994	2.946	6.8	21.1
3 22	10 3.35	+ 9 25.8	2.060	2.952	10.3	21.3
4 1	9 59.04	+10 0.4	2.149	2.958	13.4	21.5

32026 2000 HQ_{90} 2 23.5 143°.66 0°.8/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.71	+ 4 20.2	2.206	3.024	12.2	19.9
2 1	10 41.27	+ 5 4.1	2.134	3.035	9.0	19.7
2 11	10 34.12	+ 6 1.1	2.087	3.045	5.3	19.5
2 21	10 25.90	+ 7 6.6	2.068	3.055	1.5	19.2
3 2	10 17.46	+ 8 15.1	2.080	3.064	2.8	19.3
3 12	10 9.67	+ 9 20.4	2.123	3.072	6.5	19.6
3 22	10 3.26	+10 17.5	2.192	3.080	10.0	19.8
4 1	9 58.78	+11 3.2	2.286	3.088	12.9	20.0

469000 2015 AD_{181} 2 23.5 152°.90 1°.5/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.75	+12 27.5	2.188	3.029	11.4	21.8
2 1	10 41.35	+13 9.4	2.116	3.033	8.2	21.6
2 11	10 34.19	+13 57.7	2.071	3.037	4.6	21.4
2 21	10 25.93	+14 47.3	2.054	3.041	1.6	21.2
3 2	10 17.41	+15 32.6	2.067	3.044	3.8	21.4
3 12	10 9.57	+16 8.9	2.110	3.047	7.4	21.6
3 22	10 3.15	+16 33.2	2.178	3.050	10.7	21.8
4 1	9 58.71	+16 44.1	2.269	3.053	13.5	22.0

27738 1990 TT_4 2 23.5 90°.09 0°.7/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.02	+ 4 18.7	2.425	3.243	11.2	18.4
2 1	10 39.13	+ 5 7.2	2.364	3.265	8.2	18.2
2 11	10 32.81	+ 6 7.3	2.328	3.287	4.9	18.0
2 21	10 25.63	+ 7 14.5	2.321	3.308	1.4	17.8
3 2	10 18.32	+ 8 23.5	2.345	3.329	2.5	17.9
3 12	10 11.64	+ 9 29.1	2.400	3.350	5.9	18.2
3 22	10 6.18	+10 26.7	2.482	3.370	8.9	18.4
4 1	10 2.39	+11 13.5	2.588	3.390	11.5	18.6

5005 Kegler 2 23.5 64°.59 0°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.03	+ 7 11.7	1.236	2.087	17.7	17.6
2 1	10 45.24	+ 7 37.8	1.187	2.106	12.9	17.3
2 11	10 36.67	+ 8 19.9	1.160	2.126	7.4	17.1
2 21	10 26.43	+ 9 11.2	1.158	2.146	1.6	16.8
3 2	10 16.04	+10 3.0	1.182	2.165	4.3	17.0
3 12	10 7.04	+10 46.9	1.231	2.186	9.7	17.4
3 22	10 0.53	+11 17.7	1.304	2.206	14.4	17.7
4 1	9 57.13	+11 32.8	1.396	2.226	18.2	18.0

242657 2005 QC_{43} 2 23.5 229°.23 2°.0/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 42.25	− 1 41.5	2.918	3.705	10.3	21.0
2 1	10 37.84	− 0 48.5	2.816	3.694	7.9	20.8
2 11	10 32.11	+ 0 19.6	2.740	3.683	5.2	20.7
2 21	10 25.51	+ 1 39.9	2.693	3.671	2.6	20.5
3 2	10 18.62	+ 3 8.2	2.678	3.660	2.5	20.4
3 12	10 12.09	+ 4 39.0	2.694	3.647	5.2	20.6
3 22	10 6.49	+ 6 6.8	2.741	3.634	8.0	20.8
4 1	10 2.28	+ 7 27.0	2.813	3.621	10.6	20.9

363015 1995 SC_{60} 2 23.5 257°.81 2°.3/25.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.13	+ 1 6.2	1.843	2.657	14.4	21.9
2 1	10 42.14	+ 1 29.1	1.744	2.639	11.0	21.6
2 11	10 34.92	+ 2 10.7	1.668	2.620	7.1	21.3
2 21	10 26.13	+ 3 8.3	1.619	2.601	3.2	21.0
3 2	10 16.71	+ 4 16.4	1.599	2.582	3.5	21.0
3 12	10 7.83	+ 5 27.7	1.607	2.562	7.8	21.2
3 22	10 0.51	+ 6 35.0	1.642	2.542	12.0	21.4
4 1	9 55.53	+ 7 32.2	1.699	2.521	15.8	21.6

406494 2007 VD_{47} 2 23.5 206°.53 2°.9/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.30	+15 54.5	1.818	2.666	13.0	21.9
2 1	10 45.05	+16 37.6	1.743	2.662	9.4	21.7
2 11	10 36.49	+17 25.4	1.692	2.658	5.5	21.4
2 21	10 26.42	+18 11.1	1.670	2.653	2.9	21.2
3 2	10 15.95	+18 47.8	1.677	2.648	5.4	21.4
3 12	10 6.31	+19 10.3	1.711	2.642	9.4	21.6
3 22	9 58.52	+19 16.3	1.771	2.636	13.1	21.8
4 1	9 53.26	+19 5.8	1.852	2.629	16.4	22.0

373307 2012 JX_1 2 23.5 310°.37 0°.4/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.33	+ 7 47.2	1.560	2.410	14.7	21.2
2 1	10 40.39	+ 8 33.6	1.472	2.392	10.8	20.9
2 11	10 34.03	+ 9 36.4	1.407	2.374	6.2	20.6
2 21	10 25.95	+10 49.6	1.368	2.356	1.2	20.2
3 2	10 17.25	+12 4.8	1.356	2.339	4.2	20.4
3 12	10 9.22	+13 13.2	1.371	2.322	9.3	20.6
3 22	10 3.00	+14 7.7	1.410	2.305	13.9	20.9
4 1	9 59.39	+14 44.1	1.469	2.290	17.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
412121 2013 GO_{30}			2 23.5 219°.32		1°.7/24.9 17	
	h m	° ′			°	m
1 22	10 48.04	+ 2 39.1	2.025	2.838	13.3	22.2
2 1	10 42.54	+ 3 5.8	1.933	2.829	10.0	21.9
2 11	10 35.02	+ 3 48.1	1.865	2.820	6.2	21.7
2 21	10 26.13	+ 4 42.8	1.826	2.810	2.4	21.4
3 2	10 16.77	+ 5 44.5	1.815	2.799	3.1	21.4
3 12	10 7.99	+ 6 46.7	1.835	2.787	7.2	21.7
3 22	10 0.68	+ 7 43.6	1.881	2.775	11.1	21.9
4 1	9 55.53	+ 8 30.4	1.950	2.762	14.4	22.1
15641 2668 P–L			2 23.5 269°.66		0°.7/22.9 18	
1 22	10 48.45	+ 8 51.5	1.441	2.291	15.7	19.6
2 1	10 43.45	+ 9 31.6	1.365	2.285	11.5	19.3
2 11	10 35.79	+10 26.6	1.312	2.278	6.6	19.0
2 21	10 26.31	+11 29.6	1.284	2.272	1.3	18.6
3 2	10 16.27	+12 32.2	1.283	2.265	4.5	18.8
3 12	10 7.13	+13 25.7	1.309	2.259	9.7	19.1
3 22	10 0.09	+14 4.2	1.359	2.252	14.5	19.3
4 1	9 55.96	+14 24.8	1.428	2.246	18.4	19.6
60714 2000 GN_{62}			2 23.5 208°.04		0°.6/24.0 18	
1 22	10 50.04	+ 5 48.6	2.023	2.844	13.0	21.0
2 1	10 43.98	+ 6 21.4	1.933	2.837	9.6	20.7
2 11	10 35.85	+ 7 7.3	1.869	2.829	5.7	20.5
2 21	10 26.31	+ 8 2.2	1.833	2.820	1.5	20.2
3 2	10 16.30	+ 9 0.2	1.828	2.811	3.2	20.3
3 12	10 6.92	+ 9 55.2	1.852	2.800	7.5	20.5
3 22	9 59.08	+10 41.8	1.903	2.789	11.4	20.7
4 1	9 53.46	+11 16.6	1.977	2.776	14.7	20.9
93834 2000 WR_{79}			2 23.5 137°.19		0°.1/23.5 18	R
1 22	10 47.25	+ 8 6.4	2.070	2.901	12.3	20.0
2 1	10 41.78	+ 8 34.2	1.997	2.907	9.0	19.8
2 11	10 34.47	+ 9 11.9	1.950	2.913	5.2	19.6
2 21	10 26.00	+ 9 55.2	1.931	2.919	1.0	19.3
3 2	10 17.28	+10 38.8	1.942	2.924	3.1	19.5
3 12	10 9.27	+11 17.5	1.981	2.929	7.1	19.7
3 22	10 2.75	+11 47.5	2.047	2.934	10.6	20.0
4 1	9 58.28	+12 6.4	2.137	2.939	13.7	20.2
288983 2004 TN_{51}			2 23.5 143°.54		0°.6/23.9 18	
1 22	10 50.59	+ 5 58.8	1.924	2.747	13.5	22.2
2 1	10 44.26	+ 6 30.7	1.855	2.760	9.9	22.0
2 11	10 35.91	+ 7 15.3	1.811	2.772	5.8	21.8
2 21	10 26.30	+ 8 7.7	1.796	2.783	1.5	21.5
3 2	10 16.44	+ 9 2.0	1.810	2.793	3.2	21.6
3 12	10 7.40	+ 9 52.1	1.854	2.803	7.4	21.9
3 22	10 0.06	+10 33.2	1.924	2.811	11.2	22.2
4 1	9 55.00	+11 2.5	2.017	2.819	14.4	22.4
77691 2001 NJ_{12}			2 23.5 300°.47		2°.8/25.9 17	
1 22	10 46.86	+ 1 9.1	2.134	2.941	12.9	19.5
2 1	10 41.53	+ 0 56.5	2.049	2.938	9.9	19.3
2 11	10 34.37	+ 0 57.4	1.987	2.935	6.5	19.1
2 21	10 26.01	+ 1 10.1	1.954	2.932	3.4	18.9
3 2	10 17.30	+ 1 31.7	1.949	2.929	3.5	18.9
3 12	10 9.19	+ 1 58.0	1.973	2.926	6.7	19.1
3 22	10 2.47	+ 2 24.4	2.024	2.924	10.1	19.3
4 1	9 57.76	+ 2 47.0	2.098	2.921	13.2	19.5
328834 2009 WA_{43}			2 23.5 130°.75		6°.5/16.1 18	
1 22	10 49.37	+28 51.6	2.275	3.122	10.8	20.8
2 1	10 43.30	+30 20.2	2.229	3.135	8.4	20.7
2 11	10 35.32	+31 42.0	2.211	3.147	6.8	20.6
2 21	10 26.18	+32 49.3	2.221	3.159	6.8	20.6
3 2	10 16.86	+33 36.0	2.259	3.171	8.3	20.8
3 12	10 8.36	+33 59.4	2.324	3.182	10.6	20.9
3 22	10 1.50	+34 0.0	2.411	3.192	12.8	21.1
4 1	9 56.82	+33 40.3	2.518	3.203	14.7	21.3
341587 2007 UT_{88}			2 23.5 17°.39		3°.4/26.8 17	
1 22	10 43.57	− 2 5.3	2.108	2.907	13.3	21.1
2 1	10 39.15	− 1 57.8	2.027	2.909	10.4	20.9
2 11	10 33.00	− 1 33.1	1.969	2.910	7.1	20.7
2 21	10 25.73	− 0 53.0	1.938	2.912	4.1	20.5
3 2	10 18.16	− 0 1.6	1.935	2.914	3.8	20.5
3 12	10 11.19	+ 0 55.6	1.961	2.916	6.6	20.7
3 22	10 5.57	+ 1 52.6	2.014	2.919	9.9	20.9
4 1	10 1.85	+ 2 44.3	2.090	2.921	12.9	21.1
81844 2000 KV_{54}			2 23.5 253°.02		1°.4/24.7 18	
1 22	10 45.89	+ 3 28.9	1.871	2.695	13.8	19.2
2 1	10 41.11	+ 3 59.9	1.783	2.687	10.3	19.0
2 11	10 34.26	+ 4 47.2	1.720	2.678	6.3	18.7
2 21	10 26.01	+ 5 46.9	1.683	2.668	2.2	18.4
3 2	10 17.30	+ 6 53.1	1.675	2.659	3.2	18.5
3 12	10 9.21	+ 7 58.5	1.695	2.649	7.5	18.7
3 22	10 2.67	+ 8 57.0	1.742	2.640	11.6	18.9
4 1	9 58.36	+ 9 43.8	1.811	2.630	15.1	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
467448 2006 BF_{127}			2 23.5 340°.77		0°.3/23.8 17	
	h m	° ′			°	m
1 22	10 42.66	+ 4 57.7	1.753	2.591	13.9	21.0
2 1	10 38.83	+ 6 0.5	1.674	2.587	10.2	20.7
2 11	10 32.96	+ 7 20.8	1.619	2.583	6.0	20.5
2 21	10 25.74	+ 8 52.8	1.592	2.579	1.3	20.2
3 2	10 18.12	+10 27.9	1.593	2.576	3.4	20.3
3 12	10 11.18	+11 57.4	1.622	2.573	8.0	20.6
3 22	10 5.82	+13 14.0	1.676	2.571	12.1	20.8
4 1	10 2.71	+14 13.1	1.752	2.569	15.6	21.0
226763 2004 RB_{78}			2 23.5 129°.28		1°.8/21.7 18	
1 22	10 47.78	+13 31.5	2.237	3.077	11.2	21.2
2 1	10 42.02	+14 17.3	2.173	3.090	8.0	21.0
2 11	10 34.55	+15 8.3	2.136	3.102	4.5	20.8
2 21	10 26.04	+15 59.0	2.128	3.113	1.8	20.6
3 2	10 17.34	+16 44.1	2.150	3.125	4.0	20.8
3 12	10 9.36	+17 19.0	2.202	3.135	7.4	21.0
3 22	10 2.83	+17 41.3	2.279	3.146	10.6	21.2
4 1	9 58.26	+17 50.0	2.380	3.155	13.2	21.4
213639 2002 RF_{38}			2 23.5 150°.21		1°.2/22.4 18	
1 22	10 49.26	+11 11.9	2.162	2.996	11.8	21.7
2 1	10 43.16	+11 57.8	2.094	3.007	8.5	21.5
2 11	10 35.23	+12 51.1	2.052	3.017	4.7	21.3
2 21	10 26.19	+13 46.5	2.039	3.026	1.3	21.0
3 2	10 16.91	+14 38.1	2.056	3.034	3.7	21.2
3 12	10 8.36	+15 20.9	2.103	3.042	7.4	21.5
3 22	10 1.32	+15 51.5	2.177	3.049	10.8	21.7
4 1	9 56.34	+16 8.7	2.274	3.055	13.6	21.9
178992 2001 RM_{2}			2 23.5 251°.05		0°.5/23.1 17	
1 22	10 47.82	+ 9 2.5	1.970	2.806	12.7	21.3
2 1	10 42.49	+ 9 39.0	1.878	2.791	9.3	21.0
2 11	10 35.07	+10 26.6	1.810	2.775	5.3	20.7
2 21	10 26.19	+11 20.4	1.771	2.759	1.1	20.4
3 2	10 16.80	+12 14.4	1.761	2.742	3.6	20.6
3 12	10 7.98	+13 2.2	1.779	2.725	7.9	20.8
3 22	10 0.69	+13 39.2	1.824	2.708	11.9	21.0
4 1	9 55.62	+14 2.6	1.891	2.690	15.3	21.2
459255 2012 FL_{44}			2 23.5 291°.51		8°.0/16.2 16	
1 22	10 50.52	+28 34.9	1.743	2.600	13.1	20.9
2 1	10 45.00	+29 58.9	1.664	2.575	10.4	20.7
2 11	10 36.74	+31 18.4	1.609	2.551	8.3	20.5
2 21	10 26.56	+32 22.7	1.580	2.526	8.3	20.5
3 2	10 15.72	+33 2.3	1.578	2.501	10.4	20.5
3 12	10 5.68	+33 12.1	1.600	2.476	13.5	20.7
3 22	9 57.69	+32 52.3	1.644	2.451	16.7	20.8
4 1	9 52.62	+32 6.0	1.705	2.426	19.6	21.0
158188 2001 RJ_{88}			2 23.5 179°.86		2°.0/21.9 18	
1 22	10 51.47	+12 52.7	1.767	2.610	13.6	20.7
2 1	10 45.20	+13 40.3	1.695	2.612	9.8	20.5
2 11	10 36.60	+14 36.0	1.647	2.613	5.6	20.2
2 21	10 26.50	+15 32.7	1.628	2.614	2.1	20.0
3 2	10 16.02	+16 23.3	1.637	2.613	4.8	20.2
3 12	10 6.40	+17 1.5	1.675	2.612	9.1	20.4
3 22	9 58.66	+17 24.0	1.739	2.611	13.0	20.6
4 1	9 53.48	+17 29.9	1.823	2.608	16.3	20.9
27831 1994 DF			2 23.5 60°.25		0°.8/24.3 18	
1 22	10 44.43	+ 2 55.7	1.613	2.446	15.2	17.4
2 1	10 40.08	+ 4 7.2	1.554	2.462	11.2	17.2
2 11	10 33.63	+ 5 38.3	1.518	2.479	6.6	17.0
2 21	10 25.89	+ 7 21.6	1.509	2.496	1.8	16.7
3 2	10 17.92	+ 9 7.8	1.529	2.513	3.4	16.9
3 12	10 10.85	+10 46.8	1.577	2.531	8.0	17.2
3 22	10 5.55	+12 11.2	1.651	2.548	12.1	17.4
4 1	10 2.61	+13 16.5	1.746	2.566	15.5	17.7
455369 2002 TG_{202}			2 23.5 29°.31		4°.0/26.2 18	
1 22	10 46.56	+ 0 15.1	1.257	2.092	18.5	20.0
2 1	10 42.06	+ 0 1.1	1.201	2.105	14.2	19.8
2 11	10 34.94	+ 0 10.0	1.166	2.119	9.4	19.6
2 21	10 26.17	+ 0 39.1	1.155	2.134	4.9	19.4
3 2	10 17.12	+ 1 22.5	1.168	2.150	4.8	19.4
3 12	10 9.26	+ 2 11.6	1.207	2.167	9.0	19.7
3 22	10 3.66	+ 2 58.5	1.268	2.185	13.5	20.0
4 1	10 0.97	+ 3 36.5	1.350	2.204	17.3	20.3
499819 2011 DR_{10}			2 23.5 319°.21		2°.7/21.7 17	
1 22	10 51.42	+16 48.0	1.727	2.578	13.4	20.9
2 1	10 45.27	+16 58.8	1.648	2.569	9.8	20.7
2 11	10 36.70	+17 11.8	1.594	2.560	5.7	20.4
2 21	10 26.55	+17 21.4	1.568	2.552	2.7	20.2
3 2	10 15.99	+17 22.2	1.569	2.544	5.2	20.3
3 12	10 6.31	+17 10.5	1.598	2.536	9.4	20.6
3 22	9 58.57	+16 45.3	1.652	2.528	13.3	20.8
4 1	9 53.49	+16 7.0	1.727	2.521	16.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
443944 2002 VE_{71}			2 23.5 131°.18		3°.1/21.1 18	
	h m	° ′			°	m
1 22	10 52.98	+14 54.6	1.657	2.505	14.1	21.9
2 1	10 46.27	+15 57.9	1.601	2.520	10.1	21.7
2 11	10 37.18	+17 7.0	1.570	2.535	5.8	21.5
2 21	10 26.63	+18 13.6	1.566	2.549	3.1	21.3
3 2	10 15.87	+19 9.2	1.592	2.563	5.7	21.5
3 12	10 6.19	+19 48.0	1.646	2.575	9.8	21.8
3 22	9 58.60	+20 7.8	1.724	2.587	13.5	22.0
4 1	9 53.71	+20 8.7	1.822	2.598	16.6	22.3
85103 2412 $T\text{-}_3$			2 23.5 166°.75		3°.3/27.1 18	
1 22	10 45.73	− 3 19.7	2.442	3.223	12.2	20.3
2 1	10 40.51	− 3 5.3	2.357	3.228	9.6	20.1
2 11	10 33.72	− 2 34.7	2.297	3.232	6.6	20.0
2 21	10 25.92	− 1 49.7	2.264	3.235	4.0	19.8
3 2	10 17.86	− 0 54.0	2.261	3.238	3.6	19.8
3 12	10 10.32	+ 0 7.3	2.289	3.240	6.0	19.9
3 22	10 4.00	+ 1 8.9	2.344	3.242	9.0	20.1
4 1	9 59.41	+ 2 5.9	2.424	3.244	11.7	20.3
306639 2000 SU_{30}			2 23.5 222°.83		3°.4/20.9 18	
1 22	10 52.09	+16 55.8	1.713	2.563	13.6	21.0
2 1	10 45.82	+17 40.8	1.637	2.557	9.9	20.7
2 11	10 37.06	+18 30.0	1.585	2.550	5.9	20.5
2 21	10 26.63	+19 16.0	1.561	2.542	3.4	20.3
3 2	10 15.75	+19 51.1	1.565	2.534	6.0	20.5
3 12	10 5.74	+20 10.1	1.597	2.526	10.1	20.7
3 22	9 57.71	+20 10.9	1.653	2.517	14.0	20.9
4 1	9 52.39	+19 53.9	1.730	2.508	17.3	21.1
241438 2008 XL_{12}			2 23.5 119°.71		4°.3/28.1 17	
1 22	10 43.89	− 6 8.6	2.238	3.013	13.4	20.7
2 1	10 39.30	− 5 55.7	2.157	3.019	10.7	20.5
2 11	10 33.07	− 5 23.3	2.098	3.024	7.7	20.4
2 21	10 25.79	− 4 32.8	2.066	3.030	5.1	20.2
3 2	10 18.24	− 3 28.2	2.063	3.035	4.4	20.2
3 12	10 11.27	− 2 15.3	2.088	3.040	6.5	20.3
3 22	10 5.57	− 1 0.5	2.141	3.045	9.4	20.5
4 1	10 1.70	+ 0 10.1	2.219	3.050	12.2	20.7
207880 2007 VC_{313}			2 23.5 294°.55		0°.5/23.2 17	
1 22	10 47.75	+ 8 54.3	1.509	2.358	15.2	20.7
2 1	10 43.07	+ 9 23.8	1.417	2.336	11.2	20.4
2 11	10 35.71	+10 7.6	1.347	2.314	6.5	20.1
2 21	10 26.41	+11 0.3	1.303	2.291	1.3	19.7
3 2	10 16.33	+11 54.3	1.287	2.269	4.3	19.8
3 12	10 6.92	+12 41.5	1.296	2.247	9.7	20.1
3 22	9 59.44	+13 15.7	1.330	2.225	14.6	20.3
4 1	9 54.83	+13 33.3	1.383	2.204	18.8	20.5
186513 2002 VZ_{23}			2 23.5 51°.60		4°.3/20.5 18	
1 22	10 50.48	+18 2.6	1.391	2.256	15.3	19.9
2 1	10 44.65	+18 58.5	1.351	2.277	11.0	19.7
2 11	10 36.27	+19 56.1	1.333	2.299	6.6	19.5
2 21	10 26.43	+20 46.4	1.342	2.321	4.4	19.5
3 2	10 16.54	+21 21.1	1.377	2.344	6.9	19.7
3 12	10 8.01	+21 35.7	1.437	2.367	10.9	19.9
3 22	10 1.81	+21 29.7	1.521	2.390	14.7	20.2
4 1	9 58.49	+21 4.9	1.623	2.413	17.8	20.5
337615 2001 TQ_{48}			2 23.5 107°.02		0°.4/23.1 18	
1 22	10 46.14	+ 9 41.3	2.562	3.390	10.3	21.3
2 1	10 40.63	+10 8.5	2.498	3.408	7.4	21.1
2 11	10 33.69	+10 42.3	2.461	3.424	4.2	20.9
2 21	10 25.90	+11 18.9	2.453	3.441	0.8	20.7
3 2	10 17.99	+11 54.3	2.476	3.457	2.7	20.9
3 12	10 10.69	+12 24.7	2.529	3.473	6.0	21.1
3 22	10 4.61	+12 47.4	2.609	3.488	8.9	21.3
4 1	10 0.20	+13 0.7	2.714	3.503	11.4	21.5
93331 2000 SF_{231}			2 23.5 73°.54		1°.0/24.4 18	
1 22	10 47.95	+ 5 9.0	1.806	2.635	14.0	20.0
2 1	10 42.39	+ 5 30.6	1.749	2.655	10.3	19.8
2 11	10 34.85	+ 6 5.4	1.715	2.675	6.1	19.6
2 21	10 26.15	+ 6 49.2	1.709	2.695	1.9	19.3
3 2	10 17.30	+ 7 36.0	1.731	2.715	3.1	19.5
3 12	10 9.35	+ 8 20.0	1.782	2.735	7.3	19.8
3 22	10 3.13	+ 8 56.5	1.858	2.755	11.0	20.0
4 1	9 59.16	+ 9 22.2	1.958	2.774	14.2	20.3
171376 2006 OM			2 23.5 186°.90		3°.8/27.9 17	
1 22	10 43.71	− 5 21.2	2.540	3.312	12.1	21.4
2 1	10 39.04	− 5 11.0	2.450	3.312	9.6	21.2
2 11	10 32.88	− 4 44.0	2.385	3.311	6.9	21.0
2 21	10 25.76	− 4 1.5	2.346	3.311	4.5	20.8
3 2	10 18.36	− 3 6.7	2.337	3.310	4.0	20.8
3 12	10 11.44	− 2 4.4	2.358	3.308	5.9	20.9
3 22	10 5.63	− 1 0.0	2.406	3.307	8.7	21.1
4 1	10 1.44	+ 0 1.5	2.480	3.305	11.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
353948 1999 FH_5			2 23.5 303°.99		0°.2/23.4 16	
	h m	° ′			°	m
1 22	10 47.54	+ 8 14.4	1.354	2.207	16.3	21.7
2 1	10 43.09	+ 8 39.6	1.269	2.190	12.1	21.3
2 11	10 35.79	+ 9 20.6	1.206	2.173	7.0	21.0
2 21	10 26.43	+10 12.0	1.167	2.155	1.4	20.6
3 2	10 16.30	+11 5.6	1.155	2.139	4.5	20.8
3 12	10 6.98	+11 52.8	1.168	2.122	10.1	21.0
3 22	9 59.81	+12 26.8	1.204	2.106	15.3	21.3
4 1	9 55.73	+12 43.9	1.260	2.091	19.7	21.5
162688 2000 UJ_4			2 23.5 117°.84		2°.1/21.8 18	
1 22	10 49.39	+12 4.2	1.664	2.512	14.0	20.2
2 1	10 43.69	+13 7.7	1.605	2.525	10.0	20.0
2 11	10 35.72	+14 20.5	1.570	2.537	5.6	19.8
2 21	10 26.35	+15 34.6	1.563	2.549	2.1	19.5
3 2	10 16.73	+16 41.5	1.584	2.560	4.9	19.8
3 12	10 8.07	+17 34.4	1.633	2.571	9.2	20.0
3 22	10 1.34	+18 9.6	1.707	2.582	13.1	20.3
4 1	9 57.14	+18 26.1	1.802	2.592	16.3	20.5
96939 1999 TW_{146}			2 23.5 154°.49		1°.2/24.7 18	
1 22	10 47.24	+ 3 6.5	1.872	2.692	13.9	20.0
2 1	10 41.99	+ 3 51.1	1.797	2.698	10.4	19.8
2 11	10 34.72	+ 4 52.5	1.746	2.704	6.3	19.6
2 21	10 26.16	+ 6 5.7	1.723	2.709	2.1	19.3
3 2	10 17.26	+ 7 23.9	1.729	2.713	3.1	19.4
3 12	10 9.10	+ 8 39.6	1.765	2.717	7.4	19.6
3 22	10 2.56	+ 9 46.3	1.826	2.721	11.3	19.9
4 1	9 58.24	+10 39.6	1.911	2.724	14.6	20.1
81714 2000 JU_{27}			2 23.5 320°.08		0°.5/23.2 18	
1 22	10 48.01	+ 9 36.0	1.617	2.463	14.5	19.2
2 1	10 42.89	+ 9 57.8	1.540	2.458	10.6	19.0
2 11	10 35.39	+10 30.7	1.487	2.453	6.0	18.7
2 21	10 26.31	+11 9.4	1.460	2.448	1.2	18.3
3 2	10 16.79	+11 47.5	1.462	2.444	4.0	18.5
3 12	10 8.10	+12 18.8	1.490	2.440	8.8	18.8
3 22	10 1.29	+12 38.7	1.542	2.436	13.1	19.0
4 1	9 57.08	+12 45.1	1.616	2.432	16.7	19.3
90524 2004 EV_{92}			2 23.5 10°.68		0°.9/22.8 18	
1 22	10 42.73	+ 7 5.6	1.362	2.220	16.0	19.2
2 1	10 39.31	+ 8 23.2	1.297	2.221	11.6	18.9
2 11	10 33.42	+10 0.1	1.255	2.223	6.5	18.6
2 21	10 25.91	+11 47.3	1.238	2.226	1.3	18.3
3 2	10 17.99	+13 33.3	1.248	2.230	4.6	18.5
3 12	10 11.00	+15 6.7	1.284	2.234	9.8	18.8
3 22	10 6.03	+16 19.8	1.343	2.240	14.4	19.1
4 1	10 3.77	+17 8.9	1.422	2.245	18.2	19.4
462087 2007 GW_{15}			2 23.5 115°.17		3°.3/26.9 18	
1 22	10 45.10	− 3 23.3	2.061	2.853	13.8	21.4
2 1	10 40.25	− 2 50.9	1.987	2.865	10.8	21.3
2 11	10 33.64	− 1 58.6	1.937	2.876	7.3	21.1
2 21	10 25.93	− 0 49.5	1.913	2.887	4.1	20.9
3 2	10 17.97	+ 0 30.9	1.919	2.898	3.7	20.9
3 12	10 10.68	+ 1 55.4	1.954	2.909	6.6	21.1
3 22	10 4.82	+ 3 17.1	2.016	2.919	10.0	21.3
4 1	10 0.93	+ 4 30.2	2.103	2.929	13.0	21.5
348488 2005 SZ_{218}			2 23.5 66°.87		1°.4/22.6 17	
1 22	10 51.37	+10 10.4	1.245	2.102	17.2	21.1
2 1	10 45.49	+10 56.1	1.201	2.124	12.4	20.9
2 11	10 36.85	+11 54.2	1.178	2.146	6.9	20.6
2 21	10 26.58	+12 56.1	1.180	2.168	1.7	20.4
3 2	10 16.21	+13 52.3	1.210	2.190	5.0	20.6
3 12	10 7.26	+14 34.9	1.264	2.213	10.1	21.0
3 22	10 0.82	+15 0.0	1.342	2.235	14.7	21.3
4 1	9 57.47	+15 6.7	1.439	2.257	18.3	21.6
133434 2003 SQ_{203}			2 23.5 180°.00		0°.7/24.2 18	
1 22	10 45.59	+ 5 40.8	2.181	3.006	12.0	20.4
2 1	10 40.58	+ 6 9.6	2.101	3.006	8.9	20.2
2 11	10 33.84	+ 6 50.1	2.046	3.006	5.3	20.0
2 21	10 25.98	+ 7 38.5	2.020	3.006	1.4	19.7
3 2	10 17.82	+ 8 29.8	2.023	3.006	2.8	19.8
3 12	10 10.26	+ 9 18.6	2.055	3.006	6.6	20.1
3 22	10 4.06	+10 0.4	2.114	3.006	10.1	20.3
4 1	9 59.78	+10 32.0	2.197	3.005	13.1	20.5
149529 2003 GR_4			2 23.5 8°.14		1°.6/22.5 18	
1 22	10 45.76	+11 33.4	1.335	2.199	15.8	19.7
2 1	10 41.54	+12 4.4	1.273	2.200	11.4	19.4
2 11	10 34.70	+12 46.3	1.233	2.202	6.5	19.2
2 21	10 26.19	+13 32.0	1.218	2.205	1.8	18.9
3 2	10 17.30	+14 13.2	1.228	2.209	4.9	19.1
3 12	10 9.49	+14 43.0	1.264	2.214	10.0	19.4
3 22	10 3.85	+14 57.0	1.323	2.221	14.5	19.7
4 1	10 1.09	+14 54.0	1.401	2.228	18.3	19.9

413920 2006 WD_{135} 2 23.5 119°.94 1°.1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 47.95	+ 4 12.6	1.961	2.781	13.4	21.4
2 1	10 42.35	+ 4 43.7	1.893	2.795	9.9	21.2
2 11	10 34.86	+ 5 28.7	1.851	2.809	5.9	20.9
2 21	10 26.19	+ 6 23.2	1.836	2.822	1.9	20.7
3 2	10 17.31	+ 7 21.5	1.851	2.834	3.0	20.8
3 12	10 9.20	+ 8 17.3	1.895	2.847	7.0	21.1
3 22	10 2.67	+ 9 5.4	1.965	2.858	10.7	21.3
4 1	9 58.29	+ 9 42.5	2.059	2.870	13.8	21.5

284393 2006 TQ_{56} 2 23.5 26°.80 3°.8/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.65	− 3 33.3	2.250	3.039	12.9	20.8
2 1	10 39.15	− 3 32.1	2.167	3.041	10.2	20.6
2 11	10 33.01	− 3 13.8	2.108	3.043	7.2	20.5
2 21	10 25.83	− 2 40.1	2.075	3.045	4.5	20.3
3 2	10 18.35	− 1 54.1	2.071	3.047	4.0	20.3
3 12	10 11.43	− 1 1.0	2.096	3.049	6.4	20.4
3 22	10 5.77	− 0 6.2	2.148	3.052	9.4	20.6
4 1	10 1.91	+ 0 45.0	2.223	3.054	12.2	20.8

402998 2007 VQ_{243} 2 23.5 109°.56 1°.1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.99	+10 15.0	1.716	2.557	14.0	21.9
2 1	10 44.03	+10 59.8	1.656	2.573	10.1	21.7
2 11	10 35.88	+11 54.5	1.622	2.588	5.6	21.5
2 21	10 26.41	+12 52.6	1.615	2.602	1.4	21.2
3 2	10 16.73	+13 46.9	1.636	2.616	4.1	21.4
3 12	10 8.02	+14 31.1	1.686	2.630	8.5	21.7
3 22	10 1.19	+15 1.5	1.762	2.644	12.3	22.0
4 1	9 56.83	+15 16.4	1.858	2.656	15.6	22.2

361717 2007 VX_{322} 2 23.5 143°.92 1°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.02	+ 5 0.6	1.634	2.464	15.2	20.9
2 1	10 44.27	+ 5 5.6	1.560	2.466	11.3	20.6
2 11	10 36.16	+ 5 25.0	1.509	2.468	6.9	20.4
2 21	10 26.50	+ 5 55.4	1.485	2.470	2.3	20.1
3 2	10 16.44	+ 6 31.3	1.488	2.472	3.5	20.2
3 12	10 7.26	+ 7 6.5	1.520	2.474	8.2	20.4
3 22	10 0.00	+ 7 35.7	1.576	2.476	12.5	20.7
4 1	9 55.34	+ 7 55.1	1.655	2.477	16.1	20.9

488498 2000 QJ_{117} 2 23.5 162°.69 0°.7/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.03	+ 8 57.7	2.877	3.699	9.5	22.7
2 1	10 40.53	+10 3.6	2.801	3.708	6.8	22.5
2 11	10 33.67	+11 17.4	2.752	3.715	3.8	22.3
2 21	10 25.95	+12 34.5	2.735	3.722	0.9	22.1
3 2	10 18.02	+13 49.9	2.750	3.728	2.8	22.2
3 12	10 10.57	+14 58.5	2.797	3.734	5.9	22.5
3 22	10 4.17	+15 57.0	2.872	3.738	8.6	22.6
4 1	9 59.28	+16 43.0	2.973	3.742	11.0	22.8

409000 2002 VF_{107} 2 23.5 67°.47 8°.7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.45	−14 11.9	1.645	2.389	18.7	21.1
2 1	10 42.99	−14 44.3	1.588	2.415	15.8	21.0
2 11	10 35.32	−14 46.3	1.551	2.440	12.6	20.8
2 21	10 26.30	−14 16.9	1.536	2.466	9.9	20.7
3 2	10 17.08	−13 19.2	1.546	2.491	8.7	20.7
3 12	10 8.85	−12 0.9	1.581	2.516	9.7	20.8
3 22	10 2.54	−10 31.7	1.642	2.542	12.0	21.0
4 1	9 58.73	− 9 1.5	1.726	2.567	14.7	21.3

334264 2001 UH_{6} 2 23.5 58°.97 3°.0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.90	− 0 39.4	1.612	2.429	15.9	21.0
2 1	10 41.15	− 0 14.4	1.552	2.447	12.1	20.8
2 11	10 34.27	+ 0 31.6	1.515	2.465	7.9	20.6
2 21	10 26.09	+ 1 34.6	1.503	2.483	3.9	20.4
3 2	10 17.69	+ 2 47.8	1.518	2.501	3.8	20.5
3 12	10 10.23	+ 4 2.9	1.562	2.519	7.6	20.7
3 22	10 4.57	+ 5 12.1	1.630	2.538	11.6	21.0
4 1	10 1.32	+ 6 9.8	1.721	2.556	15.0	21.3

410410 2007 YF_{12} 2 23.5 148°.00 4°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.42	+19 21.2	1.875	2.727	12.5	21.5
2 1	10 44.33	+20 26.7	1.814	2.734	9.1	21.3
2 11	10 36.07	+21 33.6	1.779	2.741	5.7	21.1
2 21	10 26.46	+22 33.9	1.772	2.747	4.3	21.0
3 2	10 16.59	+23 20.5	1.794	2.753	6.5	21.2
3 12	10 7.62	+23 48.6	1.844	2.758	9.9	21.4
3 22	10 0.47	+23 56.8	1.917	2.763	13.1	21.6
4 1	9 55.75	+23 46.2	2.012	2.768	15.9	21.8

149459 2003 DC_{20} 2 23.5 218°.91 0°.6/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.42	+ 3 34.6	1.925	2.751	13.4	19.9
2 1	10 40.00	+ 4 40.4	1.842	2.748	9.9	19.7
2 11	10 33.63	+ 6 3.9	1.784	2.745	5.9	19.4
2 21	10 25.98	+ 7 39.6	1.754	2.741	1.6	19.1
3 2	10 17.94	+ 9 19.7	1.754	2.738	3.1	19.2
3 12	10 10.51	+10 55.5	1.783	2.734	7.5	19.5
3 22	10 4.56	+12 20.1	1.839	2.730	11.4	19.7
4 1	10 0.73	+13 28.5	1.917	2.726	14.7	19.9

506188 2016 GZ_{102} 2 23.5 204°.52 3°.3/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.67	− 2 36.1	2.032	2.829	13.8	21.5
2 1	10 40.08	− 2 12.8	1.946	2.828	10.8	21.3
2 11	10 33.64	− 1 30.1	1.884	2.826	7.3	21.1
2 21	10 25.99	− 0 30.3	1.849	2.824	4.1	20.9
3 2	10 17.97	+ 0 41.6	1.842	2.822	3.7	20.8
3 12	10 10.55	+ 1 58.9	1.865	2.820	6.8	21.0
3 22	10 4.53	+ 3 14.5	1.914	2.818	10.3	21.2
4 1	10 0.53	+ 4 22.5	1.987	2.816	13.6	21.4

81941 2000 OG_{37} 2 23.5 217°.18 3°.1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.41	− 2 53.8	2.276	3.064	12.8	20.0
2 1	10 40.49	− 2 26.7	2.181	3.057	10.0	19.8
2 11	10 33.84	− 1 41.4	2.109	3.048	6.9	19.6
2 21	10 26.03	− 0 40.1	2.066	3.040	3.9	19.3
3 2	10 17.82	+ 0 32.9	2.051	3.031	3.5	19.3
3 12	10 10.11	+ 1 51.3	2.067	3.021	6.4	19.5
3 22	10 3.65	+ 3 8.8	2.111	3.011	9.7	19.7
4 1	9 59.04	+ 4 19.6	2.179	3.000	12.8	19.8

431374 2007 EN_{67} 2 23.5 182°.23 2°.5/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.49	+16 24.7	2.311	3.152	10.9	21.7
2 1	10 43.34	+17 1.2	2.237	3.153	7.8	21.5
2 11	10 35.40	+17 40.6	2.189	3.153	4.6	21.3
2 21	10 26.34	+18 17.6	2.170	3.153	2.5	21.1
3 2	10 17.01	+18 47.1	2.182	3.152	4.5	21.3
3 12	10 8.36	+19 5.5	2.223	3.151	7.7	21.5
3 22	10 1.14	+19 10.8	2.291	3.149	10.8	21.7
4 1	9 55.93	+19 2.9	2.381	3.147	13.5	21.9

445284 2009 WH_{138} 2 23.5 86°.50 1°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.26	+ 4 22.9	1.294	2.135	17.7	21.6
2 1	10 44.74	+ 5 1.9	1.239	2.151	13.1	21.4
2 11	10 36.50	+ 6 1.0	1.205	2.167	7.7	21.1
2 21	10 26.58	+ 7 13.3	1.197	2.183	2.2	20.8
3 2	10 16.39	+ 8 29.3	1.215	2.199	4.0	21.0
3 12	10 7.44	+ 9 39.0	1.259	2.215	9.4	21.3
3 22	10 0.85	+10 35.2	1.327	2.230	14.1	21.7
4 1	9 57.28	+11 13.9	1.416	2.245	18.0	21.9

261195 2005 TT_{156} 2 23.5 319°.65 6°.7/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.38	− 8 2.4	1.576	2.366	17.5	19.9
2 1	10 39.73	− 8 15.6	1.485	2.351	14.4	19.6
2 11	10 33.73	− 8 1.5	1.413	2.337	10.9	19.4
2 21	10 26.05	− 7 19.2	1.364	2.323	7.8	19.2
3 2	10 17.74	− 6 11.6	1.341	2.310	6.8	19.1
3 12	10 10.05	− 4 46.2	1.343	2.297	9.1	19.2
3 22	10 4.10	− 3 13.0	1.370	2.285	12.8	19.3
4 1	10 0.72	− 1 42.1	1.418	2.274	16.5	19.5

166674 2002 TR_{84} 2 23.5 157°.54 0°.2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.99	+ 7 20.1	2.409	3.237	10.9	20.2
2 1	10 39.30	+ 8 13.4	2.332	3.241	7.9	20.1
2 11	10 33.07	+ 9 17.0	2.281	3.244	4.5	19.8
2 21	10 25.86	+10 26.4	2.259	3.247	0.9	19.6
3 2	10 18.40	+11 36.0	2.269	3.250	2.9	19.7
3 12	10 11.48	+12 40.2	2.307	3.253	6.4	20.0
3 22	10 5.76	+13 34.7	2.374	3.256	9.6	20.2
4 1	10 1.75	+14 16.8	2.464	3.258	12.3	20.4

37882 1998 FE_{49} 2 23.5 242°.14 2°.6/25.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.09	− 0 10.5	1.919	2.726	14.2	19.2
2 1	10 42.06	+ 0 17.6	1.822	2.712	10.9	19.0
2 11	10 34.91	+ 1 5.3	1.748	2.697	7.1	18.7
2 21	10 26.28	+ 2 9.6	1.701	2.681	3.4	18.4
3 2	10 17.10	+ 3 25.2	1.683	2.665	3.5	18.4
3 12	10 8.44	+ 4 44.7	1.694	2.649	7.4	18.6
3 22	10 1.28	+ 6 0.5	1.731	2.632	11.5	18.8
4 1	9 56.36	+ 7 6.5	1.792	2.614	15.1	19.0

239430 2007 TP_{153} 2 23.5 60°.92 2°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.88	+15 37.4	2.081	2.928	11.7	20.2
2 1	10 42.27	+16 6.0	2.015	2.935	8.4	20.0
2 11	10 34.81	+16 38.0	1.976	2.941	4.8	19.8
2 21	10 26.23	+17 8.1	1.964	2.948	2.3	19.7
3 2	10 17.44	+17 31.3	1.982	2.955	4.4	19.8
3 12	10 9.43	+17 43.8	2.028	2.962	7.9	20.1
3 22	10 2.97	+17 43.9	2.100	2.970	11.2	20.3
4 1	9 58.60	+17 31.1	2.194	2.977	14.0	20.5

270670 2002 PT_{194} 2 23.6 228°.79 1°.2/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.40	+ 4 53.2	2.155	2.976	12.3	21.4
2 1	10 41.23	+ 5 5.0	2.071	2.973	9.2	21.2
2 11	10 34.26	+ 5 28.5	2.013	2.970	5.6	20.9
2 21	10 26.13	+ 6 0.6	1.982	2.968	1.9	20.7
3 2	10 17.67	+ 6 37.2	1.981	2.965	2.9	20.7
3 12	10 9.81	+ 7 13.4	2.009	2.961	6.6	21.0
3 22	10 3.32	+ 7 44.8	2.063	2.958	10.2	21.2
4 1	9 58.80	+ 8 8.2	2.141	2.955	13.2	21.4

495364 2014 OJ_{165} 2 23.6 153°.33 4°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.74	+17 51.4	1.750	2.604	13.1	22.0
2 1	10 44.01	+19 12.9	1.688	2.610	9.5	21.7
2 11	10 35.98	+20 38.3	1.652	2.616	5.9	21.5
2 21	10 26.49	+21 58.5	1.644	2.621	4.3	21.5
3 2	10 16.68	+23 4.8	1.665	2.625	6.7	21.6
3 12	10 7.77	+23 50.9	1.713	2.630	10.4	21.8
3 22	10 0.76	+24 14.9	1.784	2.633	13.8	22.1
4 1	9 56.30	+24 17.3	1.876	2.636	16.8	22.3

162671 2000 SV_{287} 2 23.6 45°.87 0°.7/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 56.92	+12 25.2	1.173	2.029	18.1	18.5
2 1	10 49.56	+12 4.7	1.130	2.052	13.1	18.3
2 11	10 39.18	+11 51.5	1.108	2.075	7.4	18.0
2 21	10 27.12	+11 40.7	1.111	2.099	1.5	17.7
3 2	10 15.11	+11 27.5	1.141	2.124	4.7	18.0
3 12	10 4.83	+11 8.0	1.197	2.149	10.1	18.4
3 22	9 57.41	+10 40.7	1.275	2.175	14.8	18.7
4 1	9 53.39	+10 5.4	1.373	2.201	18.6	19.1

67392 2000 OW_{57} 2 23.6 192°.90 1°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.81	+11 17.0	1.788	2.632	13.4	20.0
2 1	10 43.34	+12 24.1	1.713	2.631	9.7	19.8
2 11	10 35.63	+13 42.1	1.662	2.629	5.5	19.5
2 21	10 26.44	+15 3.6	1.640	2.626	1.9	19.3
3 2	10 16.83	+16 20.1	1.647	2.623	4.7	19.5
3 12	10 7.97	+17 24.2	1.683	2.620	9.0	19.7
3 22	10 0.86	+18 11.1	1.743	2.616	12.9	20.0
4 1	9 56.19	+18 39.0	1.825	2.611	16.2	20.2

45823 2000 QC_{120} 2 23.6 272°.12 3°.1/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.51	− 0 26.8	1.551	2.370	16.3	18.9
2 1	10 42.03	− 0 6.5	1.462	2.359	12.6	18.6
2 11	10 35.07	+ 0 36.8	1.396	2.347	8.3	18.4
2 21	10 26.36	+ 1 40.5	1.354	2.335	4.1	18.1
3 2	10 17.01	+ 2 58.2	1.340	2.323	4.1	18.0
3 12	10 8.36	+ 4 21.0	1.352	2.310	8.5	18.3
3 22	10 1.54	+ 5 39.7	1.390	2.298	13.1	18.5
4 1	9 57.40	+ 6 46.8	1.448	2.286	17.2	18.7

105288 2000 QL_{44} 2 23.6 285°.52 0°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.31	+ 9 18.5	2.240	3.072	11.5	19.9
2 1	10 41.92	+ 9 26.1	2.146	3.056	8.5	19.7
2 11	10 34.70	+ 9 41.3	2.077	3.040	4.9	19.4
2 21	10 26.25	+10 0.9	2.036	3.024	1.0	19.1
3 2	10 17.38	+10 21.1	2.026	3.009	3.0	19.2
3 12	10 9.03	+10 37.7	2.045	2.993	6.9	19.4
3 22	10 2.02	+10 47.6	2.090	2.977	10.4	19.6
4 1	9 56.97	+10 48.8	2.159	2.961	13.5	19.8

233908 2009 CD_{62} 2 23.6 144°.67 3°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.20	+20 30.7	2.546	3.395	9.7	20.3
2 1	10 40.15	+21 34.8	2.482	3.400	7.1	20.2
2 11	10 33.55	+22 39.1	2.446	3.405	4.6	20.0
2 21	10 25.98	+23 37.9	2.439	3.409	3.7	20.0
3 2	10 18.21	+24 25.9	2.462	3.414	5.4	20.1
3 12	10 11.02	+24 59.4	2.513	3.418	8.0	20.2
3 22	10 5.08	+25 16.8	2.589	3.422	10.6	20.4
4 1	10 0.89	+25 18.5	2.688	3.426	12.8	20.6

219719 2001 XR_{105} 2 23.6 356°.67 2°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.66	+12 49.2	1.712	2.566	13.4	20.0
2 1	10 41.09	+13 52.4	1.642	2.565	9.6	19.8
2 11	10 34.34	+15 4.8	1.597	2.565	5.5	19.5
2 21	10 26.17	+16 18.9	1.579	2.565	2.4	19.3
3 2	10 17.64	+17 26.4	1.590	2.564	5.1	19.5
3 12	10 9.89	+18 20.2	1.627	2.564	9.3	19.7
3 22	10 3.90	+18 56.3	1.689	2.565	13.1	19.9
4 1	10 0.31	+19 13.2	1.771	2.565	16.4	20.2

134156 2005 AL_{71} 2 23.6 185°.45 1°.5/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.11	+12 32.6	2.264	3.105	11.1	21.1
2 1	10 40.95	+13 16.5	2.188	3.105	8.0	20.9
2 11	10 34.08	+14 6.9	2.138	3.104	4.5	20.7
2 21	10 26.11	+14 58.7	2.118	3.104	1.6	20.5
3 2	10 17.86	+15 46.4	2.127	3.103	3.8	20.7
3 12	10 10.22	+16 25.2	2.165	3.102	7.3	20.9
3 22	10 3.93	+16 52.1	2.230	3.101	10.5	21.1
4 1	9 59.54	+17 5.5	2.317	3.100	13.3	21.3

67344 2000 JD_{40} 2 23.6 338°.46 4°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.64	+17 49.3	1.459	2.325	14.6	19.0
2 1	10 42.92	+18 43.7	1.391	2.318	10.6	18.7
2 11	10 35.56	+19 42.6	1.346	2.312	6.5	18.5
2 21	10 26.45	+20 37.0	1.326	2.306	4.3	18.3
3 2	10 16.88	+21 17.9	1.333	2.301	7.0	18.5
3 12	10 8.29	+21 39.2	1.366	2.296	11.3	18.7
3 22	10 1.83	+21 38.7	1.420	2.292	15.4	18.9
4 1	9 58.26	+21 17.1	1.494	2.289	18.8	19.1

262592 2006 VY_{100} 2 23.6 53°.91 2°.9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.13	+13 43.0	1.426	2.287	15.2	20.4
2 1	10 42.96	+14 50.5	1.382	2.308	10.8	20.2
2 11	10 35.38	+16 5.4	1.362	2.330	6.1	20.0
2 21	10 26.37	+17 18.5	1.368	2.352	2.9	19.8
3 2	10 17.25	+18 20.4	1.401	2.375	5.8	20.1
3 12	10 9.33	+19 4.6	1.460	2.397	10.1	20.4
3 22	10 3.57	+19 28.3	1.542	2.420	14.0	20.7
4 1	10 0.51	+19 31.8	1.644	2.443	17.2	20.9

462689 2009 UM_{149} 2 23.6 133°.57 1°.4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.54	+11 52.4	2.055	2.896	12.0	21.8
2 1	10 42.07	+12 35.5	1.987	2.903	8.6	21.6
2 11	10 34.74	+13 25.9	1.944	2.910	4.9	21.4
2 21	10 26.25	+14 18.2	1.930	2.917	1.5	21.2
3 2	10 17.52	+15 6.2	1.945	2.923	3.9	21.3
3 12	10 9.51	+15 45.0	1.989	2.929	7.7	21.6
3 22	10 3.03	+16 11.2	2.060	2.935	11.1	21.8
4 1	9 58.64	+16 23.5	2.152	2.940	14.0	22.0

83895 2001 UK_{142} 2 23.6 4°.10 4°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.04	+20 55.4	2.236	3.089	10.7	19.2
2 1	10 40.96	+21 52.8	2.170	3.089	7.8	19.0
2 11	10 34.10	+22 50.3	2.130	3.089	5.1	18.8
2 21	10 26.13	+23 41.4	2.118	3.089	4.2	18.8
3 2	10 17.90	+24 20.5	2.135	3.089	6.0	18.9
3 12	10 10.35	+24 43.6	2.180	3.089	8.9	19.0
3 22	10 4.23	+24 49.4	2.250	3.090	11.7	19.2
4 1	10 0.11	+24 38.5	2.341	3.090	14.1	19.4

268502 2005 YU_{110} 2 23.6 121°.95 1°.3/24.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.60	+ 3 37.6	2.058	2.876	12.9	21.5
2 1	10 41.38	+ 4 3.2	1.985	2.885	9.6	21.3
2 11	10 34.35	+ 4 42.4	1.937	2.894	5.9	21.1
2 21	10 26.19	+ 5 31.5	1.917	2.902	2.1	20.9
3 2	10 17.77	+ 6 25.5	1.927	2.910	2.9	20.9
3 12	10 10.05	+ 7 18.3	1.965	2.918	6.7	21.2
3 22	10 3.79	+ 8 5.1	2.030	2.926	10.3	21.4
4 1	9 59.54	+ 8 42.2	2.119	2.933	13.3	21.6

289371 2005 CZ_{10} 2 23.6 240°.19 0°.8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.95	+11 57.1	2.640	3.468	10.1	20.8
2 1	10 42.88	+12 12.7	2.542	3.452	7.3	20.5
2 11	10 35.17	+12 33.3	2.472	3.436	4.2	20.3
2 21	10 26.37	+12 55.5	2.432	3.419	1.0	20.1
3 2	10 17.21	+13 15.6	2.422	3.402	3.0	20.2
3 12	10 8.51	+13 30.2	2.444	3.384	6.4	20.4
3 22	10 0.98	+13 36.8	2.493	3.366	9.5	20.5
4 1	9 55.19	+13 34.3	2.567	3.347	12.2	20.7

161613 2005 UE_{274} 2 23.6 116°.65 2°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.55	+15 43.6	1.957	2.798	12.5	20.3
2 1	10 45.72	+16 2.2	1.892	2.809	9.0	20.1
2 11	10 36.83	+16 23.6	1.854	2.819	5.2	19.9
2 21	10 26.70	+16 42.5	1.844	2.828	2.3	19.7
3 2	10 16.39	+16 54.2	1.863	2.838	4.5	19.9
3 12	10 7.01	+16 55.1	1.912	2.847	8.3	20.2
3 22	9 59.41	+16 44.0	1.986	2.856	11.7	20.4
4 1	9 54.17	+16 21.1	2.083	2.865	14.6	20.6

197075 2003 UE_{170} 2 23.6 92°.16 0°.5/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.47	+ 6 22.7	2.108	2.935	12.3	20.6
2 1	10 41.21	+ 6 47.0	2.040	2.946	9.0	20.4
2 11	10 34.22	+ 7 22.1	1.997	2.958	5.3	20.2
2 21	10 26.17	+ 8 4.1	1.983	2.970	1.4	19.9
3 2	10 17.90	+ 8 48.0	1.998	2.981	2.9	20.1
3 12	10 10.34	+ 9 28.7	2.042	2.993	6.7	20.3
3 22	10 4.23	+10 2.3	2.112	3.004	10.1	20.6
4 1	10 0.08	+10 25.8	2.206	3.015	13.1	20.8

142603 2002 TR_{124} 2 23.6 107°.83 7°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 58.63	+29 19.2	1.822	2.663	13.3	19.6
2 1	10 50.24	+30 5.4	1.776	2.680	10.3	19.4
2 11	10 39.41	+30 41.4	1.755	2.696	7.9	19.3
2 21	10 27.22	+30 59.2	1.762	2.711	7.3	19.3
3 2	10 15.04	+30 53.5	1.797	2.727	8.9	19.5
3 12	10 4.23	+30 23.5	1.859	2.742	11.6	19.6
3 22	9 55.76	+29 32.0	1.944	2.756	14.3	19.9
4 1	9 50.17	+28 23.8	2.050	2.770	16.7	20.1

192562 1998 VP_{17} 2 23.6 94°.73 2°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.58	+ 0 25.5	1.488	2.306	16.9	20.2
2 1	10 44.70	+ 0 45.8	1.430	2.326	12.8	20.0
2 11	10 36.40	+ 1 27.4	1.394	2.346	8.2	19.7
2 21	10 26.63	+ 2 25.7	1.384	2.365	3.8	19.5
3 2	10 16.64	+ 3 33.7	1.401	2.384	4.0	19.6
3 12	10 7.76	+ 4 42.6	1.446	2.403	8.3	19.9
3 22	10 0.97	+ 5 44.9	1.516	2.421	12.5	20.2
4 1	9 56.90	+ 6 35.0	1.608	2.439	16.1	20.4

375429 2008 TN_{30} 2 23.6 77°.33 2°.0/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.84	+ 1 37.5	2.016	2.831	13.2	21.0
2 1	10 40.17	+ 2 1.9	1.941	2.837	10.0	20.8
2 11	10 33.70	+ 2 42.1	1.889	2.842	6.3	20.5
2 21	10 26.07	+ 3 34.6	1.865	2.848	2.7	20.3
3 2	10 18.17	+ 4 34.3	1.870	2.853	3.1	20.3
3 12	10 10.92	+ 5 34.9	1.904	2.859	6.7	20.6
3 22	10 5.11	+ 6 30.7	1.964	2.865	10.3	20.8
4 1	10 1.30	+ 7 17.2	2.047	2.870	13.4	21.0

335864 2007 RG_{53} 2 23.6 66°.92 1°.0/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.08	+ 5 32.0	2.069	2.893	12.6	20.4
2 1	10 41.61	+ 5 44.7	2.009	2.913	9.3	20.3
2 11	10 34.42	+ 6 8.6	1.974	2.933	5.5	20.1
2 21	10 26.21	+ 6 39.9	1.966	2.952	1.7	19.8
3 2	10 17.86	+ 7 14.3	1.988	2.972	2.8	20.0
3 12	10 10.28	+ 7 47.0	2.039	2.992	6.6	20.2
3 22	10 4.20	+ 8 14.0	2.117	3.012	10.0	20.5
4 1	10 0.12	+ 8 32.7	2.218	3.031	12.9	20.7

244417 2002 QP_{4} 2 23.6 97°.14 2°.0/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.44	+ 3 12.6	2.258	3.065	12.3	20.8
2 1	10 43.22	+ 3 2.2	2.189	3.081	9.2	20.7
2 11	10 35.32	+ 3 2.9	2.145	3.096	5.8	20.5
2 21	10 26.40	+ 3 12.8	2.130	3.112	2.6	20.3
3 2	10 17.30	+ 3 28.7	2.145	3.127	3.0	20.3
3 12	10 8.92	+ 3 46.8	2.190	3.142	6.2	20.6
3 22	10 1.96	+ 4 3.6	2.262	3.157	9.4	20.8
4 1	9 56.94	+ 4 16.1	2.359	3.171	12.2	21.0

348557 2005 UB_{479} 2 23.6 52°.37 4°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.06	+17 40.2	1.196	2.065	16.9	20.2
2 1	10 46.29	+18 33.8	1.149	2.078	12.2	19.9
2 11	10 37.50	+19 30.8	1.124	2.091	7.4	19.7
2 21	10 26.87	+20 20.7	1.124	2.105	4.6	19.6
3 2	10 16.05	+20 54.0	1.149	2.119	7.5	19.8
3 12	10 6.74	+21 4.9	1.199	2.134	12.1	20.1
3 22	10 0.12	+20 53.1	1.270	2.148	16.4	20.4
4 1	9 56.81	+20 20.8	1.359	2.163	19.9	20.6

78617 2002 TV_{2} 2 23.6 26°.36 1°.1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.37	+10 45.8	1.603	2.457	14.2	18.6
2 1	10 40.83	+11 17.3	1.547	2.469	10.2	18.4
2 11	10 34.15	+11 58.4	1.514	2.482	5.7	18.1
2 21	10 26.17	+12 43.0	1.508	2.496	1.4	17.9
3 2	10 17.98	+13 24.2	1.529	2.510	4.1	18.1
3 12	10 10.75	+13 56.3	1.577	2.526	8.5	18.4
3 22	10 5.36	+14 15.6	1.649	2.542	12.4	18.7
4 1	10 2.37	+14 20.4	1.743	2.559	15.7	18.9

492949 2014 SL_{46} 2 23.6 162°.39 1°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.20	+11 8.8	1.820	2.664	13.2	21.4
2 1	10 42.82	+12 13.6	1.750	2.668	9.5	21.2
2 11	10 35.31	+13 28.6	1.705	2.672	5.3	20.9
2 21	10 26.43	+14 46.7	1.688	2.675	1.8	20.7
3 2	10 17.20	+15 59.8	1.701	2.678	4.5	20.9
3 12	10 8.75	+17 0.9	1.742	2.680	8.7	21.1
3 22	10 2.02	+17 45.6	1.808	2.682	12.5	21.4
4 1	9 57.64	+18 12.2	1.896	2.684	15.7	21.6

341630 2007 VD_{10} 2 23.6 141°.47 3°.6/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.51	− 4 12.6	2.469	3.247	12.2	20.7
2 1	10 39.67	− 4 6.8	2.386	3.252	9.7	20.5
2 11	10 33.31	− 3 44.9	2.327	3.258	6.8	20.3
2 21	10 26.00	− 3 8.4	2.296	3.263	4.3	20.2
3 2	10 18.43	− 2 20.3	2.294	3.268	3.8	20.1
3 12	10 11.38	− 1 25.5	2.321	3.272	6.0	20.3
3 22	10 5.51	− 0 29.1	2.376	3.277	8.8	20.5
4 1	10 1.31	+ 0 24.1	2.456	3.281	11.4	20.6

234484 2001 TS_{29} 2 23.6 159°.02 0°.5/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.10	+ 9 23.0	1.754	2.589	14.0	21.5
2 1	10 45.67	+ 9 53.0	1.683	2.595	10.2	21.3
2 11	10 36.95	+10 33.4	1.637	2.601	5.8	21.0
2 21	10 26.77	+11 18.8	1.618	2.606	1.2	20.7
3 2	10 16.26	+12 2.7	1.629	2.611	3.8	20.9
3 12	10 6.65	+12 39.2	1.668	2.615	8.3	21.2
3 22	9 58.92	+13 4.1	1.733	2.618	12.4	21.4
4 1	9 53.72	+13 15.6	1.820	2.620	15.8	21.7

456911 2007 VQ_{331} 2 23.6 115°.79 1°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.20	+11 1.1	1.788	2.627	13.6	22.2
2 1	10 44.87	+11 39.0	1.728	2.643	9.8	22.0
2 11	10 36.40	+12 25.3	1.694	2.659	5.5	21.8
2 21	10 26.64	+13 14.0	1.687	2.674	1.4	21.6
3 2	10 16.70	+13 58.6	1.710	2.689	4.0	21.8
3 12	10 7.71	+14 33.5	1.761	2.703	8.3	22.1
3 22	10 0.57	+14 55.5	1.837	2.717	12.0	22.3
4 1	9 55.87	+15 3.4	1.936	2.730	15.2	22.6

120291 2004 HA_{75} 2 23.6 186°.48 1°.2/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.41	+ 3 13.1	2.889	3.695	9.9	20.9
2 1	10 38.71	+ 3 38.7	2.802	3.695	7.4	20.7
2 11	10 32.71	+ 4 14.7	2.741	3.694	4.6	20.5
2 21	10 25.88	+ 4 58.4	2.709	3.693	1.8	20.3
3 2	10 18.83	+ 5 46.3	2.708	3.692	2.2	20.4
3 12	10 12.19	+ 6 34.4	2.738	3.690	5.1	20.6
3 22	10 6.54	+ 7 18.8	2.796	3.688	7.9	20.7
4 1	10 2.30	+ 7 56.7	2.880	3.686	10.4	20.9

408265 2013 FA_{16} 2 23.6 177°.25 5°.1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.59	+24 35.5	2.285	3.126	11.0	21.4
2 1	10 46.41	+25 33.3	2.219	3.129	8.2	21.2
2 11	10 37.24	+26 27.6	2.181	3.131	5.9	21.0
2 21	10 26.83	+27 11.6	2.172	3.132	5.2	21.0
3 2	10 16.16	+27 39.6	2.192	3.133	6.8	21.1
3 12	10 6.31	+27 48.6	2.241	3.132	9.5	21.3
3 22	9 58.11	+27 38.4	2.316	3.131	12.2	21.4
4 1	9 52.16	+27 11.1	2.411	3.129	14.5	21.6

325927 2010 VB_{13} 2 23.6 59°.12 9°.8/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 54.08	+33 8.2	1.552	2.405	14.6	19.8
2 1	10 47.41	+34 31.9	1.519	2.421	11.9	19.6
2 11	10 37.97	+35 40.9	1.510	2.438	10.1	19.6
2 21	10 26.97	+36 24.7	1.526	2.455	10.0	19.6
3 2	10 15.94	+36 36.5	1.566	2.471	11.8	19.8
3 12	10 6.42	+36 15.6	1.630	2.489	14.2	19.9
3 22	9 59.45	+35 26.2	1.714	2.506	16.8	20.2
4 1	9 55.58	+34 14.3	1.815	2.523	19.0	20.4

149733 2004 LL_{7} 2 23.6 275°.23 3°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.75	+16 25.6	1.886	2.737	12.5	20.1
2 1	10 43.44	+17 20.1	1.794	2.715	9.1	19.8
2 11	10 35.84	+18 20.7	1.727	2.692	5.5	19.6
2 21	10 26.60	+19 20.1	1.687	2.668	3.3	19.4
3 2	10 16.75	+20 11.0	1.677	2.645	5.8	19.5
3 12	10 7.49	+20 46.9	1.693	2.621	9.7	19.7
3 22	9 59.87	+21 4.6	1.735	2.597	13.5	19.9
4 1	9 54.68	+21 3.3	1.797	2.572	16.9	20.0

416609 2004 RW_{34} 2 23.6 105°.44 2°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.49	+16 25.0	2.225	3.066	11.2	21.6
2 1	10 43.97	+17 6.6	2.173	3.089	8.0	21.4
2 11	10 35.73	+17 50.2	2.148	3.111	4.7	21.2
2 21	10 26.51	+18 30.5	2.151	3.133	2.6	21.1
3 2	10 17.21	+19 2.4	2.186	3.155	4.5	21.3
3 12	10 8.74	+19 22.3	2.249	3.175	7.7	21.5
3 22	10 1.84	+19 28.9	2.339	3.196	10.7	21.7
4 1	9 56.97	+19 22.3	2.451	3.215	13.2	22.0

96387 1998 BW_{41} 2 23.6 90°.85 1°.3/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.93	+ 3 8.3	1.557	2.385	15.8	19.6
2 1	10 43.43	+ 3 53.7	1.500	2.405	11.7	19.4
2 11	10 35.67	+ 4 57.7	1.466	2.425	7.1	19.2
2 21	10 26.52	+ 6 14.1	1.459	2.445	2.3	18.9
3 2	10 17.18	+ 7 34.7	1.480	2.464	3.5	19.0
3 12	10 8.85	+ 8 50.6	1.528	2.483	8.1	19.4
3 22	10 2.50	+ 9 55.0	1.602	2.501	12.3	19.7
4 1	9 58.71	+10 43.7	1.698	2.519	15.8	19.9

67766 2000 UH_{65} 2 23.6 33°.35 3°.6/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.00	+ 0 23.6	1.367	2.195	17.6	19.0
2 1	10 43.18	+ 0 18.4	1.299	2.200	13.6	18.8
2 11	10 35.73	+ 0 35.1	1.253	2.205	8.9	18.5
2 21	10 26.57	+ 1 10.9	1.231	2.211	4.6	18.3
3 2	10 16.98	+ 2 0.2	1.234	2.217	4.5	18.3
3 12	10 8.40	+ 2 54.8	1.264	2.223	8.9	18.5
3 22	10 1.97	+ 3 46.5	1.317	2.230	13.4	18.8
4 1	9 58.42	+ 4 28.9	1.391	2.237	17.3	19.1

406830 2008 YF_{116} 2 23.6 254°.75 3°.6/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.66	+ 0 6.9	1.613	2.427	16.1	20.9
2 1	10 44.27	− 0 3.5	1.525	2.417	12.5	20.7
2 11	10 36.37	+ 0 5.0	1.460	2.408	8.4	20.4
2 21	10 26.73	+ 0 30.9	1.420	2.398	4.5	20.2
3 2	10 16.47	+ 1 10.2	1.407	2.388	4.4	20.1
3 12	10 6.92	+ 1 56.3	1.422	2.378	8.4	20.3
3 22	9 59.23	+ 2 42.4	1.462	2.368	12.8	20.6
4 1	9 54.22	+ 3 22.1	1.523	2.357	16.7	20.8

366834 2005 MA_{50} 2 23.6 230°.60 2°.0/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.90	+12 59.4	2.148	2.988	11.6	21.9
2 1	10 42.49	+13 59.0	2.060	2.976	8.4	21.7
2 11	10 35.13	+15 6.7	1.998	2.963	4.8	21.5
2 21	10 26.45	+16 16.3	1.965	2.950	2.0	21.3
3 2	10 17.30	+17 21.1	1.962	2.935	4.4	21.4
3 12	10 8.71	+18 14.9	1.988	2.921	8.2	21.6
3 22	10 1.53	+18 54.0	2.041	2.905	11.7	21.8
4 1	9 56.44	+19 16.7	2.116	2.889	14.7	22.0

109401 2001 QG_{180} 2 23.6 117°.55 2°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.30	+16 31.2	2.459	3.305	10.1	19.2
2 1	10 40.24	+17 33.2	2.398	3.316	7.2	19.0
2 11	10 33.64	+18 38.2	2.363	3.327	4.3	18.9
2 21	10 26.10	+19 40.4	2.358	3.338	2.7	18.8
3 2	10 18.38	+20 34.6	2.384	3.349	4.6	18.9
3 12	10 11.27	+21 16.3	2.438	3.359	7.5	19.1
3 22	10 5.42	+21 43.6	2.519	3.369	10.2	19.3
4 1	10 1.33	+21 55.8	2.621	3.379	12.6	19.5

488750 2004 SR_{25} 2 23.6 135°.86 2°.9/26.1 18

1 22	10 48.71	− 0 39.2	1.716	2.525	15.5	21.3
2 1	10 43.24	− 0 14.5	1.644	2.534	11.9	21.1
2 11	10 35.59	+ 0 30.7	1.595	2.544	7.8	20.9
2 21	10 26.54	+ 1 32.8	1.572	2.552	3.8	20.7
3 2	10 17.15	+ 2 45.7	1.578	2.560	3.8	20.7
3 12	10 8.59	+ 4 1.1	1.612	2.568	7.6	20.9
3 22	10 1.81	+ 5 11.6	1.672	2.575	11.7	21.2
4 1	9 57.46	+ 6 11.4	1.755	2.582	15.1	21.4

434019 2001 RG_{9} 2 23.6 181°.33 7°.9/ 1.3 18

1 22	10 52.12	−13 28.8	1.833	2.566	17.4	22.1
2 1	10 45.83	−13 45.1	1.745	2.568	14.7	21.9
2 11	10 37.17	−13 33.2	1.678	2.570	11.7	21.7
2 21	10 26.89	−12 51.6	1.635	2.570	9.0	21.5
3 2	10 16.08	−11 42.3	1.618	2.569	7.9	21.5
3 12	10 5.98	−10 12.2	1.630	2.566	9.3	21.5
3 22	9 57.65	− 8 30.9	1.668	2.563	12.2	21.7
4 1	9 51.85	− 6 48.5	1.730	2.558	15.3	21.9

200879 2001 YC_{125} 2 23.6 199°.00 4°.2/20.2 18

1 22	10 52.21	+18 33.1	1.749	2.600	13.3	20.2
2 1	10 45.93	+19 33.1	1.678	2.598	9.7	19.9
2 11	10 37.21	+20 35.9	1.632	2.595	6.0	19.7
2 21	10 26.89	+21 33.4	1.614	2.591	4.2	19.6
3 2	10 16.14	+22 17.6	1.624	2.587	6.6	19.7
3 12	10 6.30	+22 43.1	1.662	2.582	10.4	19.9
3 22	9 58.41	+22 48.2	1.724	2.577	14.0	20.1
4 1	9 53.19	+22 33.7	1.806	2.571	17.2	20.3

338958 2004 EU_{113} 2 23.6 202°.50 1°.1/24.9 17

1 22	10 42.77	+ 2 24.6	2.463	3.274	11.2	20.9
2 1	10 38.48	+ 3 18.1	2.376	3.273	8.4	20.7
2 11	10 32.69	+ 4 25.9	2.316	3.271	5.1	20.5
2 21	10 25.92	+ 5 43.9	2.284	3.269	1.8	20.3
3 2	10 18.87	+ 7 6.7	2.283	3.267	2.5	20.3
3 12	10 12.30	+ 8 28.3	2.312	3.264	5.9	20.6
3 22	10 6.85	+ 9 43.1	2.369	3.262	9.1	20.8
4 1	10 3.03	+10 47.1	2.451	3.259	11.9	20.9

453851 2011 UT_{31} 2 23.6 36°.47 2°.5/24.9 18

1 22	10 53.12	+ 5 15.3	1.005	1.860	20.5	19.9
2 1	10 47.02	+ 4 45.5	0.972	1.889	15.2	19.7
2 11	10 37.83	+ 4 35.1	0.958	1.920	9.3	19.4
2 21	10 26.96	+ 4 40.3	0.966	1.951	3.5	19.2
3 2	10 16.20	+ 4 54.5	0.999	1.984	4.6	19.4
3 12	10 7.25	+ 5 10.5	1.056	2.017	9.9	19.8
3 22	10 1.22	+ 5 22.1	1.136	2.052	14.8	20.2
4 1	9 58.59	+ 5 25.4	1.234	2.086	18.7	20.5

229773 2008 LW_{10} 2 23.6 221°.94 0°.7/24.2 17

1 22	10 46.40	+ 5 23.8	1.989	2.816	13.0	21.4
2 1	10 41.43	+ 5 58.1	1.905	2.811	9.6	21.2
2 11	10 34.52	+ 6 46.1	1.846	2.807	5.7	20.9
2 21	10 26.32	+ 7 43.4	1.815	2.802	1.5	20.6
3 2	10 17.73	+ 8 44.4	1.813	2.796	3.1	20.7
3 12	10 9.76	+ 9 42.4	1.839	2.791	7.2	21.0
3 22	10 3.27	+10 32.3	1.892	2.785	11.1	21.2
4 1	9 58.88	+11 10.2	1.968	2.779	14.3	21.4

338906 2004 DL_{26} 2 23.6 101°.41 1°.2/22.5 17

1 22	10 48.09	+12 34.4	2.246	3.084	11.3	20.6
2 1	10 42.34	+12 53.6	2.177	3.091	8.1	20.4
2 11	10 34.89	+13 18.0	2.133	3.098	4.6	20.2
2 21	10 26.38	+13 43.3	2.118	3.105	1.3	20.0
3 2	10 17.67	+14 5.2	2.133	3.112	3.5	20.1
3 12	10 9.65	+14 20.1	2.177	3.119	7.0	20.4
3 22	10 3.05	+14 25.7	2.248	3.125	10.2	20.6
4 1	9 58.40	+14 20.8	2.342	3.132	13.0	20.8

51222 2000 JE_{24} 2 23.6 44°.12 2°.1/21.8 18

1 22	10 48.26	+15 8.2	2.111	2.956	11.6	18.4
2 1	10 42.62	+15 33.6	2.039	2.957	8.3	18.2
2 11	10 35.11	+16 2.7	1.993	2.958	4.8	18.0
2 21	10 26.43	+16 30.6	1.975	2.960	2.1	17.8
3 2	10 17.50	+16 52.4	1.986	2.961	4.3	17.9
3 12	10 9.29	+17 4.2	2.026	2.962	7.8	18.1
3 22	10 2.60	+17 4.0	2.092	2.964	11.1	18.4
4 1	9 58.00	+16 51.5	2.181	2.965	14.0	18.6

357545 2004 RV_{324} 2 23.6 128°.34 0°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 52.39	+ 8 24.3	1.710	2.543	14.4	21.5
2 1	10 45.86	+ 8 47.3	1.645	2.556	10.5	21.3
2 11	10 37.06	+ 9 21.3	1.605	2.568	6.0	21.0
2 21	10 26.85	+10 1.3	1.592	2.580	1.2	20.7
3 2	10 16.38	+10 41.0	1.609	2.591	3.6	20.9
3 12	10 6.90	+11 14.5	1.653	2.602	8.2	21.2
3 22	9 59.35	+11 37.9	1.724	2.612	12.2	21.5
4 1	9 54.37	+11 49.1	1.816	2.622	15.6	21.7

258491 2002 AY_{46} 2 23.6 344°.97 7°.4/16.6 16

1 22	10 37.03	+19 5.3	1.123	2.016	15.7	18.9
2 1	10 35.89	+21 27.0	1.056	1.996	11.6	18.6
2 11	10 31.90	+24 0.5	1.012	1.978	8.1	18.4
2 21	10 25.85	+26 29.1	0.992	1.962	7.9	18.3
3 2	10 19.10	+28 34.8	0.995	1.947	11.3	18.4
3 12	10 13.29	+30 4.2	1.021	1.935	15.9	18.6
3 22	10 9.82	+30 52.0	1.064	1.925	20.2	18.9
4 1	10 9.58	+30 59.3	1.123	1.917	23.8	19.1

142645 2002 TX_{188} 2 23.6 80°.12 8°.0/ 2.4 18

1 22	10 46.57	−14 5.4	1.749	2.491	17.8	19.6
2 1	10 41.69	−14 19.7	1.681	2.507	15.0	19.5
2 11	10 34.70	−14 4.4	1.632	2.524	12.0	19.3
2 21	10 26.38	−13 19.0	1.606	2.540	9.3	19.2
3 2	10 17.76	−12 6.8	1.606	2.556	8.0	19.1
3 12	10 9.98	−10 35.3	1.633	2.572	9.1	19.2
3 22	10 3.94	− 8 54.3	1.685	2.588	11.6	19.4
4 1	10 0.26	− 7 13.5	1.760	2.603	14.4	19.6

498893 2008 YG_{148} 2 23.6 151°.51 2°.9/26.6 17

1 22	10 45.76	− 1 17.2	2.487	3.277	11.8	21.9
2 1	10 40.59	− 1 16.7	2.404	3.282	9.2	21.7
2 11	10 33.89	− 1 2.2	2.346	3.286	6.2	21.5
2 21	10 26.21	− 0 35.7	2.316	3.290	3.6	21.3
3 2	10 18.28	+ 0 0.1	2.316	3.294	3.3	21.3
3 12	10 10.88	+ 0 40.7	2.345	3.297	5.8	21.5
3 22	10 4.65	+ 1 21.9	2.402	3.301	8.8	21.7
4 1	10 0.12	+ 1 59.4	2.484	3.304	11.4	21.9

284684 2008 SS_{6} 2 23.6 118°.73 1°.5/22.4 18

1 22	10 50.68	+10 16.0	1.561	2.406	14.9	21.2
2 1	10 44.82	+11 13.6	1.502	2.420	10.8	21.0
2 11	10 36.55	+12 22.7	1.466	2.433	6.0	20.7
2 21	10 26.78	+13 35.6	1.458	2.445	1.6	20.5
3 2	10 16.74	+14 43.4	1.478	2.457	4.6	20.7
3 12	10 7.73	+15 38.6	1.525	2.469	9.2	21.0
3 22	10 0.78	+16 17.0	1.597	2.480	13.4	21.3
4 1	9 56.51	+16 36.9	1.690	2.490	16.8	21.5

373931 2003 UT_{256} 2 23.6 91°.81 1°.6/25.4 18

1 22	10 46.69	+ 1 49.3	2.332	3.137	12.0	22.0
2 1	10 41.18	+ 2 21.0	2.274	3.165	9.0	21.9
2 11	10 34.15	+ 3 5.8	2.240	3.192	5.6	21.7
2 21	10 26.25	+ 4 0.0	2.236	3.219	2.3	21.5
3 2	10 18.25	+ 4 58.8	2.262	3.245	2.6	21.6
3 12	10 10.94	+ 5 56.9	2.318	3.271	5.9	21.9
3 22	10 4.96	+ 6 49.7	2.402	3.296	9.0	22.1
4 1	10 0.76	+ 7 33.8	2.511	3.321	11.6	22.3

19090 1978 VM_{9} 2 23.6 46°.04 4°.0/20.7 18

1 22	10 48.87	+16 0.4	1.321	2.188	15.7	18.2
2 1	10 43.87	+17 7.7	1.269	2.197	11.3	17.9
2 11	10 36.14	+18 21.3	1.240	2.207	6.7	17.7
2 21	10 26.70	+19 30.9	1.236	2.217	4.0	17.6
3 2	10 16.99	+20 26.4	1.258	2.228	6.9	17.8
3 12	10 8.50	+21 1.0	1.305	2.239	11.4	18.0
3 22	10 2.35	+21 12.3	1.375	2.250	15.5	18.3
4 1	9 59.21	+21 1.5	1.463	2.262	19.0	18.6

196586 2003 QC_{50} 2 23.6 261°.61 3°.4/20.6 18

1 22	10 49.21	+18 31.5	2.074	2.923	11.6	19.8
2 1	10 43.51	+19 12.4	1.992	2.911	8.5	19.6
2 11	10 35.75	+19 55.4	1.936	2.899	5.2	19.4
2 21	10 26.63	+20 34.3	1.908	2.887	3.4	19.2
3 2	10 17.11	+21 3.1	1.909	2.874	5.5	19.3
3 12	10 8.25	+21 17.6	1.938	2.861	9.0	19.5
3 22	10 0.96	+21 15.9	1.993	2.849	12.3	19.7
4 1	9 55.90	+20 58.4	2.069	2.836	15.2	19.9

206825 2004 EH_{21} 2 23.6 359°.33 1°.1/24.7 17

1 22	10 43.35	+ 3 58.8	1.976	2.804	13.0	20.3
2 1	10 39.21	+ 4 30.5	1.898	2.803	9.7	20.1
2 11	10 33.25	+ 5 16.7	1.843	2.802	5.9	19.8
2 21	10 26.10	+ 6 13.5	1.816	2.802	2.0	19.6
3 2	10 18.63	+ 7 15.3	1.817	2.802	2.9	19.6
3 12	10 11.79	+ 8 15.7	1.847	2.802	6.9	19.9
3 22	10 6.37	+ 9 9.0	1.903	2.803	10.6	20.1
4 1	10 2.94	+ 9 51.1	1.982	2.804	13.8	20.3

48502 1993 FL_5 2 23.6 251°.72 0°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 47.74	+ 7 43.7	1.905	2.738	13.1	20.4
2 1	10 42.62	+ 8 25.6	1.812	2.723	9.7	20.1
2 11	10 35.35	+ 9 20.8	1.743	2.707	5.6	19.8
2 21	10 26.57	+10 24.2	1.703	2.691	1.1	19.5
3 2	10 17.25	+11 29.2	1.692	2.674	3.5	19.6
3 12	10 8.49	+12 28.8	1.709	2.657	8.0	19.8
3 22	10 1.27	+13 17.3	1.752	2.639	12.1	20.1
4 1	9 56.34	+13 51.4	1.818	2.621	15.7	20.2

162495 2000 QV_{17} 2 23.6 235°.98 0°.8/22.9 17

1 22	10 48.49	+ 8 29.0	1.757	2.596	13.9	21.5
2 1	10 43.30	+ 9 26.2	1.670	2.584	10.1	21.2
2 11	10 35.80	+10 37.7	1.607	2.572	5.8	20.9
2 21	10 26.67	+11 57.3	1.572	2.560	1.2	20.6
3 2	10 16.98	+13 16.9	1.566	2.546	4.1	20.8
3 12	10 7.93	+14 27.9	1.588	2.533	8.8	21.0
3 22	10 0.59	+15 24.5	1.635	2.518	13.1	21.2
4 1	9 55.72	+16 3.2	1.704	2.503	16.7	21.4

325107 2008 EL_{33} 2 23.6 137°.74 0°.8/24.4 18

1 22	10 47.79	+ 4 40.1	2.182	2.999	12.3	21.2
2 1	10 42.18	+ 5 18.3	2.111	3.012	9.1	21.0
2 11	10 34.84	+ 6 9.1	2.066	3.024	5.4	20.8
2 21	10 26.43	+ 7 8.1	2.049	3.036	1.6	20.6
3 2	10 17.79	+ 8 9.9	2.063	3.047	2.8	20.7
3 12	10 9.82	+ 9 8.6	2.107	3.057	6.5	20.9
3 22	10 3.28	+ 9 59.5	2.178	3.067	10.0	21.2
4 1	9 58.68	+10 39.4	2.273	3.076	12.9	21.4

38964 2000 TU_{18} 2 23.6 102°.24 0°.6/24.2 18

1 22	10 47.00	+ 5 50.9	1.916	2.745	13.3	20.1
2 1	10 41.84	+ 6 19.1	1.845	2.753	9.8	19.9
2 11	10 34.74	+ 7 0.1	1.799	2.760	5.8	19.6
2 21	10 26.42	+ 7 49.5	1.781	2.767	1.5	19.4
3 2	10 17.83	+ 8 41.6	1.791	2.775	3.1	19.5
3 12	10 9.98	+ 9 30.2	1.830	2.782	7.2	19.8
3 22	10 3.70	+10 10.6	1.895	2.789	11.0	20.0
4 1	9 59.59	+10 39.6	1.983	2.796	14.2	20.2

456733 2007 TD_{12} 2 23.6 121°.02 0°.7/24.2 18

1 22	10 50.50	+ 5 29.0	1.899	2.721	13.7	21.9
2 1	10 44.29	+ 6 2.5	1.836	2.740	10.0	21.7
2 11	10 36.09	+ 6 49.1	1.798	2.758	5.9	21.4
2 21	10 26.70	+ 7 43.8	1.788	2.775	1.6	21.2
3 2	10 17.10	+ 8 40.5	1.808	2.792	3.1	21.3
3 12	10 8.38	+ 9 33.0	1.857	2.807	7.3	21.6
3 22	10 1.35	+10 16.5	1.933	2.823	11.0	21.9
4 1	9 56.59	+10 48.0	2.032	2.837	14.1	22.1

456848 2007 UQ_{82} 2 23.6 206°.34 1°.9/25.2 18

1 22	10 49.07	+ 2 34.0	1.910	2.724	13.9	22.2
2 1	10 43.49	+ 2 53.9	1.823	2.719	10.5	21.9
2 11	10 35.79	+ 3 29.8	1.760	2.714	6.6	21.7
2 21	10 26.67	+ 4 18.3	1.725	2.709	2.7	21.4
3 2	10 17.09	+ 5 14.3	1.719	2.703	3.3	21.5
3 12	10 8.16	+ 6 11.1	1.742	2.696	7.4	21.7
3 22	10 0.82	+ 7 2.9	1.791	2.688	11.4	21.9
4 1	9 55.75	+ 7 45.0	1.864	2.680	14.8	22.1

225608 2000 YB_{60} 2 23.6 46°.49 2°.9/25.7 18

1 22	10 48.59	+ 1 57.5	1.658	2.479	15.4	19.9
2 1	10 43.15	+ 1 45.1	1.595	2.493	11.7	19.7
2 11	10 35.54	+ 1 48.8	1.556	2.508	7.5	19.5
2 21	10 26.59	+ 2 6.4	1.542	2.523	3.6	19.3
3 2	10 17.41	+ 2 33.5	1.556	2.539	3.8	19.3
3 12	10 9.17	+ 3 4.3	1.598	2.554	7.6	19.6
3 22	10 2.77	+ 3 33.4	1.665	2.570	11.5	19.9
4 1	9 58.80	+ 3 56.4	1.754	2.587	14.9	20.1

56752 2000 OA_5 2 23.6 143°.49 3°.6/27.9 18

1 22	10 45.61	− 4 57.0	2.891	3.654	11.0	19.4
2 1	10 40.29	− 5 5.3	2.808	3.663	8.7	19.3
2 11	10 33.65	− 5 0.0	2.750	3.672	6.3	19.1
2 21	10 26.19	− 4 41.9	2.720	3.681	4.2	19.0
3 2	10 18.51	− 4 13.1	2.720	3.689	3.8	19.0
3 12	10 11.30	− 3 37.2	2.750	3.696	5.4	19.1
3 22	10 5.11	− 2 57.9	2.808	3.703	7.8	19.2
4 1	10 0.40	− 2 19.3	2.892	3.710	10.1	19.4

18125 Brianwilson 2 23.6 150°.07 1°.0/22.5 18

1 22	10 45.31	+11 26.5	2.647	3.481	9.9	19.3
2 1	10 40.18	+12 2.9	2.574	3.487	7.1	19.1
2 11	10 33.62	+12 45.2	2.527	3.492	4.0	18.9
2 21	10 26.18	+13 29.3	2.510	3.497	1.1	18.7
3 2	10 18.54	+14 10.8	2.524	3.502	3.0	18.8
3 12	10 11.42	+14 45.9	2.567	3.507	6.2	19.1
3 22	10 5.45	+15 11.8	2.638	3.511	9.0	19.2
4 1	10 1.09	+15 27.0	2.733	3.515	11.5	19.4

33887 2000 KF_{19} 2 23.6 148°.44 0°.4/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 51.06	+ 6 28.5	1.869	2.694	13.7	19.9
2 1	10 44.81	+ 7 1.9	1.799	2.705	10.1	19.7
2 11	10 36.47	+ 7 48.0	1.754	2.715	5.9	19.5
2 21	10 26.80	+ 8 41.8	1.736	2.724	1.4	19.2
3 2	10 16.84	+ 9 37.1	1.749	2.732	3.3	19.3
3 12	10 7.71	+10 27.5	1.791	2.740	7.6	19.6
3 22	10 0.31	+11 8.2	1.859	2.747	11.5	19.8
4 1	9 55.26	+11 36.4	1.949	2.753	14.7	20.1

127649 2003 CS_{19} 2 23.6 228°.60 6°.4/18.4 18

1 22	10 54.28	+27 15.4	1.950	2.796	12.3	19.4
2 1	10 47.30	+28 3.5	1.882	2.791	9.5	19.2
2 11	10 37.95	+28 45.2	1.839	2.785	7.1	19.1
2 21	10 27.11	+29 12.9	1.824	2.780	6.5	19.0
3 2	10 15.96	+29 20.3	1.838	2.774	8.3	19.1
3 12	10 5.78	+29 4.9	1.878	2.768	11.1	19.3
3 22	9 57.57	+28 27.8	1.942	2.762	14.0	19.4
4 1	9 51.99	+27 32.1	2.026	2.755	16.6	19.6

57063 2001 NE_3 2 23.6 99°.62 0°.3/23.3 18

1 22	10 48.99	+ 7 56.4	1.929	2.761	13.1	19.5
2 1	10 43.14	+ 8 43.5	1.873	2.784	9.5	19.3
2 11	10 35.41	+ 9 41.2	1.843	2.806	5.4	19.1
2 21	10 26.55	+10 44.0	1.840	2.828	1.1	18.8
3 2	10 17.56	+11 45.2	1.868	2.850	3.3	19.1
3 12	10 9.44	+12 38.9	1.924	2.871	7.4	19.3
3 22	10 2.97	+13 20.8	2.007	2.891	11.0	19.6
4 1	9 58.67	+13 48.8	2.113	2.911	13.9	19.8

81257 2000 FQ_{36} 2 23.6 259°.06 2°.5/25.9 18

1 22	10 45.36	− 0 45.4	1.957	2.763	13.9	19.4
2 1	10 40.86	− 0 5.6	1.857	2.747	10.8	19.1
2 11	10 34.34	+ 0 54.9	1.782	2.730	7.0	18.9
2 21	10 26.39	+ 2 13.0	1.733	2.713	3.3	18.6
3 2	10 17.90	+ 3 42.8	1.713	2.696	3.4	18.6
3 12	10 9.91	+ 5 16.4	1.722	2.678	7.2	18.7
3 22	10 3.33	+ 6 45.7	1.758	2.660	11.3	18.9
4 1	9 58.89	+ 8 4.1	1.818	2.642	14.8	19.1

89663 2001 YN_5 2 23.6 152°.07 2°.2/21.2 18

1 22	10 47.00	+13 5.1	2.232	3.072	11.2	20.3
2 1	10 41.67	+14 19.7	2.164	3.081	8.0	20.1
2 11	10 34.59	+15 41.3	2.123	3.088	4.6	19.9
2 21	10 26.41	+17 3.2	2.111	3.096	2.2	19.7
3 2	10 17.97	+18 18.5	2.131	3.102	4.4	19.9
3 12	10 10.17	+19 21.5	2.180	3.108	7.8	20.1
3 22	10 3.76	+20 8.8	2.255	3.114	10.9	20.3
4 1	9 59.30	+20 39.0	2.352	3.119	13.6	20.5

500055 2011 UG_{147} 2 23.6 92°.23 2°.4/20.7 17

1 22	10 44.33	+17 9.0	2.721	3.566	9.3	21.4
2 1	10 39.46	+17 52.8	2.657	3.575	6.7	21.2
2 11	10 33.20	+18 38.5	2.619	3.583	4.0	21.0
2 21	10 26.11	+19 21.6	2.611	3.592	2.4	20.9
3 2	10 18.85	+19 57.7	2.634	3.600	4.1	21.1
3 12	10 12.14	+20 23.6	2.685	3.608	6.8	21.2
3 22	10 6.56	+20 37.6	2.763	3.616	9.3	21.4
4 1	10 2.56	+20 39.2	2.864	3.625	11.5	21.6

243227 2007 VY_{87} 2 23.6 351°.37 4°.3/27.6 17

1 22	10 45.05	− 4 2.7	2.141	2.927	13.6	19.8
2 1	10 40.36	− 4 15.4	2.055	2.926	10.8	19.6
2 11	10 33.90	− 4 10.7	1.993	2.925	7.7	19.4
2 21	10 26.28	− 3 49.4	1.957	2.924	5.0	19.2
3 2	10 18.31	− 3 14.2	1.950	2.923	4.5	19.2
3 12	10 10.91	− 2 30.0	1.970	2.922	6.8	19.3
3 22	10 4.84	− 1 42.3	2.018	2.922	9.9	19.5
4 1	10 0.70	− 0 56.5	2.089	2.922	12.8	19.7

293395 2007 EV_{63} 2 23.6 274°.31 0°.1/23.5 17

1 22	10 46.34	+ 7 34.5	1.941	2.775	12.9	21.4
2 1	10 41.58	+ 8 11.2	1.847	2.758	9.5	21.2
2 11	10 34.75	+ 9 0.6	1.778	2.741	5.5	20.9
2 21	10 26.48	+ 9 58.3	1.736	2.724	1.1	20.5
3 2	10 17.69	+10 57.9	1.723	2.706	3.4	20.7
3 12	10 9.44	+11 52.9	1.739	2.688	7.8	20.9
3 22	10 2.66	+12 38.0	1.781	2.670	11.8	21.1
4 1	9 58.09	+13 9.7	1.845	2.652	15.3	21.3

210064 2006 QW_2 2 23.6 195°.99 0°.1/23.6 17

1 22	10 45.45	+ 8 16.3	2.538	3.364	10.5	21.2
2 1	10 40.38	+ 8 42.8	2.455	3.362	7.7	21.0
2 11	10 33.80	+ 9 17.5	2.398	3.360	4.4	20.8
2 21	10 26.25	+ 9 57.0	2.371	3.358	0.9	20.6
3 2	10 18.43	+10 36.9	2.374	3.356	2.6	20.7
3 12	10 11.12	+11 13.2	2.406	3.353	6.1	20.9
3 22	10 4.97	+11 42.4	2.467	3.351	9.2	21.1
4 1	10 0.49	+12 2.3	2.551	3.348	11.8	21.3

343997 2011 QA_6 2 23.6 248°.72 4°.4/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.73	− 6 43.1	2.420	3.188	12.7	21.5
2 1	10 39.27	− 6 40.4	2.326	3.181	10.3	21.3
2 11	10 33.23	− 6 19.5	2.254	3.175	7.6	21.1
2 21	10 26.15	− 5 41.1	2.209	3.169	5.2	21.0
3 2	10 18.71	− 4 48.2	2.193	3.162	4.5	20.9
3 12	10 11.74	− 3 45.5	2.206	3.155	6.4	21.0
3 22	10 5.91	− 2 38.8	2.246	3.148	9.1	21.2
4 1	10 1.79	− 1 33.8	2.311	3.141	11.8	21.3

95118 2002 AL_{124} 2 23.6 120°.54 3°.1/21.0 18

1 22	10 50.60	+14 27.6	1.680	2.530	13.8	20.1
2 1	10 44.67	+15 40.4	1.624	2.544	9.9	19.9
2 11	10 36.45	+16 59.9	1.592	2.558	5.7	19.7
2 21	10 26.82	+18 17.5	1.589	2.572	3.1	19.6
3 2	10 16.96	+19 24.4	1.615	2.585	5.6	19.8
3 12	10 8.08	+20 14.3	1.668	2.597	9.7	20.0
3 22	10 1.16	+20 44.2	1.745	2.609	13.3	20.3
4 1	9 56.81	+20 54.2	1.843	2.621	16.4	20.5

19785 2000 QU_{103} 2 23.6 331°.93 0°.6/24.1 18

1 22	10 42.41	+ 3 42.0	1.566	2.406	15.2	17.9
2 1	10 39.03	+ 4 49.3	1.484	2.397	11.3	17.7
2 11	10 33.40	+ 6 18.4	1.425	2.388	6.7	17.4
2 21	10 26.22	+ 8 3.0	1.393	2.380	1.7	17.0
3 2	10 18.53	+ 9 53.4	1.388	2.373	3.6	17.1
3 12	10 11.54	+11 38.8	1.411	2.366	8.6	17.4
3 22	10 6.28	+13 10.0	1.458	2.359	13.2	17.7
4 1	10 3.48	+14 21.1	1.527	2.353	17.0	17.9

210713 2000 SQ_{204} 2 23.6 75°.52 0°.2/23.8 18

1 22	10 49.94	+ 6 35.7	1.441	2.282	16.2	20.8
2 1	10 44.34	+ 7 14.7	1.388	2.302	11.8	20.5
2 11	10 36.30	+ 8 9.1	1.358	2.322	6.8	20.3
2 21	10 26.79	+ 9 12.2	1.354	2.342	1.5	20.0
3 2	10 17.10	+10 15.6	1.378	2.362	3.8	20.2
3 12	10 8.56	+11 11.2	1.429	2.382	8.8	20.6
3 22	10 2.16	+11 53.7	1.504	2.401	13.1	20.9
4 1	9 58.50	+12 20.2	1.600	2.420	16.7	21.1

146101 2000 QR_5 2 23.6 159°.03 6°.7/ 3.5 18

1 22	10 46.32	−18 41.9	3.254	3.917	11.7	20.2
2 1	10 40.80	−19 18.2	3.164	3.924	10.2	20.1
2 11	10 33.98	−19 36.7	3.096	3.930	8.7	20.0
2 21	10 26.30	−19 36.5	3.053	3.936	7.4	19.9
3 2	10 18.37	−19 17.9	3.037	3.941	6.7	19.9
3 12	10 10.82	−18 43.3	3.050	3.946	7.1	19.9
3 22	10 4.22	−17 56.6	3.089	3.951	8.2	20.0
4 1	9 59.01	−17 2.5	3.154	3.955	9.7	20.1

343589 2010 GL_{28} 2 23.6 322°.81 0°.4/23.3 17

1 22	10 48.27	+10 41.0	1.808	2.651	13.3	20.0
2 1	10 43.08	+10 41.4	1.719	2.635	9.8	19.7
2 11	10 35.65	+10 49.5	1.655	2.620	5.6	19.4
2 21	10 26.70	+11 1.4	1.618	2.606	1.2	19.1
3 2	10 17.25	+11 12.6	1.609	2.591	3.6	19.2
3 12	10 8.47	+11 18.6	1.628	2.578	8.1	19.5
3 22	10 1.37	+11 16.2	1.672	2.565	12.2	19.7
4 1	9 56.66	+11 3.7	1.738	2.552	15.8	19.9

211527 2003 QU_{74} 2 23.6 194°.59 1°.8/25.2 18

1 22	10 47.66	+ 1 44.0	1.852	2.667	14.2	21.2
2 1	10 42.51	+ 2 22.1	1.769	2.666	10.8	20.9
2 11	10 35.26	+ 3 18.5	1.709	2.664	6.7	20.7
2 21	10 26.61	+ 4 29.2	1.677	2.661	2.6	20.4
3 2	10 17.52	+ 5 47.6	1.674	2.658	3.2	20.5
3 12	10 9.11	+ 7 5.8	1.700	2.655	7.5	20.7
3 22	10 2.30	+ 8 17.0	1.752	2.651	11.5	20.9
4 1	9 57.76	+ 9 15.7	1.828	2.646	15.0	21.2

146711 2001 WN_{13} 2 23.6 165°.74 4°.0/18.9 18

1 22	10 47.69	+19 20.3	2.310	3.158	10.6	20.6
2 1	10 42.20	+20 48.8	2.245	3.163	7.7	20.4
2 11	10 34.93	+22 19.4	2.208	3.168	5.0	20.2
2 21	10 26.52	+23 44.5	2.201	3.172	4.1	20.2
3 2	10 17.81	+24 57.3	2.224	3.175	6.0	20.3
3 12	10 9.74	+25 52.8	2.276	3.178	8.9	20.5
3 22	10 3.07	+26 28.7	2.353	3.180	11.6	20.7
4 1	9 58.36	+26 45.4	2.451	3.182	14.0	20.9

425017 2009 EW_{16} 2 23.6 268°.46 0°.1/23.5 17

1 22	10 47.16	+ 9 27.6	2.336	3.165	11.2	20.8
2 1	10 41.74	+ 9 37.2	2.253	3.162	8.1	20.6
2 11	10 34.64	+ 9 53.9	2.196	3.159	4.7	20.4
2 21	10 26.46	+10 14.6	2.168	3.155	1.0	20.1
3 2	10 17.99	+10 35.3	2.169	3.152	2.8	20.3
3 12	10 10.09	+10 52.2	2.201	3.149	6.5	20.5
3 22	10 3.50	+11 2.6	2.259	3.145	9.8	20.7
4 1	9 58.76	+11 4.6	2.341	3.142	12.7	20.9

332345 2007 DE_{13} 2 23.6 12°.38 0°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 41.80	+ 4 23.5	1.230	2.087	17.4	19.8
2 1	10 38.87	+ 5 8.3	1.171	2.091	12.9	19.5
2 11	10 33.38	+ 6 15.0	1.132	2.097	7.6	19.2
2 21	10 26.22	+ 7 36.7	1.117	2.104	2.1	18.9
3 2	10 18.69	+ 9 3.2	1.127	2.113	4.0	19.0
3 12	10 12.19	+10 23.3	1.163	2.122	9.4	19.4
3 22	10 7.82	+11 28.4	1.220	2.134	14.2	19.7
4 1	10 6.25	+12 13.7	1.298	2.146	18.2	20.0

210909 2001 SX_{229} 2 23.6 81°.74 0°.5/23.1 18

1 22	10 45.57	+ 9 6.9	2.278	3.110	11.3	20.8
2 1	10 40.51	+ 9 44.9	2.216	3.128	8.1	20.7
2 11	10 33.87	+10 31.1	2.181	3.145	4.6	20.5
2 21	10 26.29	+11 20.9	2.174	3.162	0.9	20.2
3 2	10 18.55	+12 9.3	2.197	3.179	3.0	20.4
3 12	10 11.49	+12 51.6	2.250	3.196	6.5	20.7
3 22	10 5.75	+13 24.4	2.330	3.212	9.7	20.9
4 1	10 1.83	+13 45.8	2.433	3.229	12.4	21.1

148103 1999 RO_{57} 2 23.6 147°.39 1°.3/22.6 18

1 22	10 53.70	+10 54.2	1.718	2.555	14.2	20.4
2 1	10 46.89	+11 38.0	1.653	2.567	10.3	20.2
2 11	10 37.75	+12 31.1	1.613	2.578	5.8	20.0
2 21	10 27.13	+13 27.1	1.601	2.588	1.5	19.7
3 2	10 16.23	+14 18.6	1.618	2.597	4.3	19.9
3 12	10 6.31	+14 59.3	1.664	2.606	8.7	20.2
3 22	9 58.37	+15 25.7	1.736	2.613	12.7	20.4
4 1	9 53.06	+15 36.5	1.829	2.620	16.0	20.7

365092 2009 BA_{126} 2 23.6 339°.09 0°.4/23.9 14 C

1 22	10 47.85	+ 7 34.0	1.291	2.145	16.9	21.4
2 1	10 43.39	+ 7 45.7	1.218	2.138	12.5	21.1
2 11	10 36.09	+ 8 13.0	1.166	2.132	7.4	20.8
2 21	10 26.83	+ 8 50.8	1.138	2.126	1.7	20.4
3 2	10 16.98	+ 9 31.7	1.136	2.120	4.2	20.6
3 12	10 8.11	+10 7.8	1.159	2.116	9.8	20.9
3 22	10 1.50	+10 33.0	1.205	2.112	14.8	21.2
4 1	9 57.98	+10 43.6	1.270	2.109	19.1	21.4

55470 2001 TS_{226} 2 23.6 73°.45 0°.6/22.9 18

1 22	10 43.21	+ 7 15.0	2.201	3.034	11.6	18.9
2 1	10 38.92	+ 8 30.1	2.134	3.046	8.4	18.7
2 11	10 33.02	+ 9 56.9	2.093	3.058	4.7	18.5
2 21	10 26.12	+11 29.3	2.081	3.069	1.0	18.3
3 2	10 19.00	+13 0.5	2.100	3.081	3.2	18.5
3 12	10 12.49	+14 23.4	2.149	3.093	6.9	18.7
3 22	10 7.27	+15 33.3	2.224	3.105	10.2	19.0
4 1	10 3.86	+16 27.3	2.323	3.117	13.0	19.2

65808 1996 LO_1 2 23.6 209°.96 9°.6/ 4.2 17

1 22	10 50.41	−21 40.6	2.393	3.048	15.6	20.7
2 1	10 44.37	−22 25.7	2.291	3.040	13.9	20.5
2 11	10 36.32	−22 45.8	2.208	3.031	12.1	20.4
2 21	10 26.86	−22 37.9	2.147	3.020	10.5	20.2
3 2	10 16.84	−22 1.1	2.112	3.009	9.6	20.1
3 12	10 7.24	−20 58.5	2.104	2.996	10.0	20.1
3 22	9 58.99	−19 36.2	2.121	2.983	11.4	20.2
4 1	9 52.78	−18 2.5	2.163	2.968	13.4	20.3

413910 2006 WD_{50} 2 23.6 172°.88 1°.0/22.7 18

1 22	10 48.18	+10 2.3	2.095	2.929	12.1	21.6
2 1	10 42.65	+10 50.9	2.019	2.932	8.7	21.4
2 11	10 35.23	+11 48.8	1.970	2.935	4.9	21.1
2 21	10 26.60	+12 50.6	1.949	2.936	1.2	20.9
3 2	10 17.66	+13 50.0	1.958	2.938	3.6	21.0
3 12	10 9.38	+14 41.2	1.997	2.939	7.5	21.3
3 22	10 2.59	+15 20.3	2.062	2.939	11.0	21.5
4 1	9 57.86	+15 45.2	2.150	2.938	14.0	21.7

73044 2002 EG_{99} 2 23.6 304°.77 1°.7/22.6 18

1 22	10 49.90	+12 10.0	1.422	2.278	15.5	19.3
2 1	10 44.78	+12 34.7	1.343	2.266	11.4	19.0
2 11	10 36.86	+13 9.2	1.286	2.254	6.5	18.7
2 21	10 27.00	+13 47.1	1.255	2.242	1.9	18.4
3 2	10 16.50	+14 20.9	1.250	2.231	5.0	18.5
3 12	10 6.91	+14 43.6	1.272	2.220	10.2	18.8
3 22	9 59.47	+14 51.2	1.316	2.209	14.9	19.0
4 1	9 55.05	+14 42.2	1.381	2.199	19.0	19.3

376165 2011 BG_{130} 2 23.6 174°.33 1°.0/22.5 16

1 22	10 45.86	+ 9 8.4	2.231	3.064	11.5	21.7
2 1	10 40.89	+10 18.8	2.154	3.067	8.3	21.5
2 11	10 34.20	+11 39.8	2.103	3.068	4.7	21.3
2 21	10 26.39	+13 5.4	2.082	3.070	1.2	21.0
3 2	10 18.27	+14 28.9	2.092	3.071	3.5	21.2
3 12	10 10.72	+15 43.6	2.132	3.071	7.2	21.4
3 22	10 4.50	+16 44.9	2.198	3.071	10.6	21.6
4 1	10 0.18	+17 30.4	2.288	3.071	13.5	21.8

9405 Johnratje 2 23.6 93°.02 1°.3/22.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 47.03	+11 48.8	2.033	2.876	12.1	17.9
2 1	10 41.80	+12 27.0	1.966	2.883	8.7	17.7
2 11	10 34.73	+13 12.5	1.924	2.890	4.9	17.4
2 21	10 26.49	+13 59.9	1.910	2.897	1.5	17.2
3 2	10 18.02	+14 43.5	1.925	2.903	3.8	17.4
3 12	10 10.27	+15 18.3	1.969	2.910	7.6	17.6
3 22	10 4.04	+15 41.0	2.038	2.917	11.1	17.9
4 1	9 59.89	+15 50.4	2.131	2.924	14.0	18.1

496512 2014 UX_{167} 2 23.6 94°.93 5°.8/28.8 18

1 22	10 47.66	− 7 39.9	1.851	2.624	15.9	20.8
2 1	10 42.41	− 7 53.1	1.780	2.637	12.9	20.6
2 11	10 35.15	− 7 43.3	1.730	2.649	9.6	20.4
2 21	10 26.59	− 7 11.1	1.705	2.661	6.7	20.3
3 2	10 17.74	− 6 19.7	1.707	2.673	5.9	20.3
3 12	10 9.65	− 5 15.7	1.736	2.685	7.8	20.4
3 22	10 3.20	− 4 6.6	1.792	2.697	10.9	20.6
4 1	9 58.99	− 2 59.7	1.871	2.708	13.9	20.8

503159 2015 GE_{34} 2 23.6 54°.33 1°.8/25.7 17

1 22	10 42.47	+ 0 27.1	2.202	3.012	12.5	21.3
2 1	10 38.41	+ 1 16.2	2.126	3.020	9.4	21.1
2 11	10 32.74	+ 2 21.9	2.075	3.027	6.0	20.9
2 21	10 26.08	+ 3 40.1	2.052	3.034	2.5	20.6
3 2	10 19.16	+ 5 5.0	2.058	3.042	2.7	20.7
3 12	10 12.82	+ 6 29.6	2.094	3.050	6.2	20.9
3 22	10 7.74	+ 7 47.9	2.157	3.058	9.5	21.1
4 1	10 4.43	+ 8 55.2	2.245	3.066	12.5	21.3

180932 2005 LG_{31} 2 23.6 146°.44 3°.2/20.3 18

1 22	10 50.00	+17 48.0	2.294	3.136	10.9	20.9
2 1	10 43.78	+18 49.7	2.232	3.148	7.8	20.7
2 11	10 35.79	+19 53.4	2.198	3.160	4.8	20.5
2 21	10 26.72	+20 52.8	2.193	3.171	3.2	20.4
3 2	10 17.44	+21 42.0	2.219	3.181	5.1	20.6
3 12	10 8.89	+22 16.9	2.274	3.190	8.2	20.8
3 22	10 1.82	+22 35.6	2.355	3.199	11.1	21.0
4 1	9 56.77	+22 38.4	2.458	3.207	13.5	21.2

385058 2012 US_{45} 2 23.6 63°.81 4°.8/29.2 18

1 22	10 42.71	− 8 37.8	2.292	3.054	13.5	20.7
2 1	10 38.55	− 8 21.7	2.211	3.061	11.0	20.5
2 11	10 32.83	− 7 44.6	2.152	3.068	8.2	20.4
2 21	10 26.10	− 6 48.0	2.119	3.074	5.7	20.2
3 2	10 19.12	− 5 35.4	2.114	3.081	4.8	20.2
3 12	10 12.68	− 4 13.0	2.138	3.088	6.5	20.3
3 22	10 7.47	− 2 47.4	2.190	3.095	9.2	20.5
4 1	10 4.00	− 1 25.2	2.266	3.102	11.8	20.7

458912 2011 UQ_{240} 2 23.6 44°.61 1°.8/22.4 18

1 22	10 49.33	+11 47.4	1.347	2.206	16.0	21.5
2 1	10 44.19	+12 27.3	1.290	2.214	11.6	21.3
2 11	10 36.38	+13 17.6	1.255	2.223	6.5	21.0
2 21	10 26.88	+14 10.7	1.245	2.232	2.0	20.8
3 2	10 17.07	+14 57.9	1.262	2.241	5.1	21.0
3 12	10 8.42	+15 31.9	1.304	2.251	10.1	21.3
3 22	10 2.05	+15 49.1	1.370	2.262	14.5	21.6
4 1	9 58.62	+15 48.3	1.455	2.272	18.2	21.8

37474 9618 P–L 2 23.6 99°.10 1°.2/22.6 18

1 22	10 48.33	+10 56.6	1.938	2.778	12.7	19.9
2 1	10 42.76	+11 39.1	1.877	2.793	9.1	19.7
2 11	10 35.28	+12 29.8	1.841	2.807	5.1	19.5
2 21	10 26.63	+13 22.9	1.834	2.821	1.4	19.3
3 2	10 17.78	+14 12.2	1.856	2.835	3.8	19.5
3 12	10 9.76	+14 52.4	1.907	2.849	7.7	19.7
3 22	10 3.36	+15 20.0	1.983	2.863	11.3	20.0
4 1	9 59.14	+15 33.7	2.082	2.876	14.2	20.2

216521 2001 FX_{109} 2 23.6 297°.97 3°.2/21.3 17

1 22	10 49.29	+15 25.5	1.520	2.378	14.5	19.7
2 1	10 44.29	+16 9.2	1.436	2.361	10.6	19.4
2 11	10 36.59	+17 0.1	1.376	2.343	6.3	19.1
2 21	10 26.97	+17 50.7	1.342	2.326	3.2	18.9
3 2	10 16.69	+18 32.4	1.335	2.309	6.1	19.0
3 12	10 7.21	+18 58.1	1.354	2.292	10.7	19.2
3 22	9 59.76	+19 4.6	1.396	2.275	15.2	19.4
4 1	9 55.21	+18 51.3	1.458	2.259	19.0	19.7

192173 2007 EF_{42} 2 23.6 283°.99 0°.3/23.4 17

1 22	10 46.98	+ 8 33.0	1.879	2.717	13.1	21.2
2 1	10 42.14	+ 9 3.0	1.785	2.699	9.6	20.9
2 11	10 35.15	+ 9 44.7	1.716	2.680	5.6	20.7
2 21	10 26.65	+10 33.6	1.674	2.662	1.1	20.3
3 2	10 17.60	+11 23.7	1.661	2.643	3.5	20.5
3 12	10 9.11	+12 8.5	1.676	2.625	8.0	20.7
3 22	10 2.17	+12 43.2	1.716	2.606	12.2	20.9
4 1	9 57.51	+13 4.6	1.778	2.588	15.7	21.1

196327 2003 FE_{51} 2 23.6 351°.08 3°.5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.13	+15 15.3	1.265	2.132	16.3	20.0
2 1	10 45.09	+16 2.2	1.201	2.129	11.9	19.8
2 11	10 37.07	+16 56.8	1.159	2.127	6.9	19.5
2 21	10 27.07	+17 49.9	1.142	2.126	3.5	19.3
3 2	10 16.56	+18 31.7	1.150	2.125	6.6	19.4
3 12	10 7.23	+18 54.9	1.183	2.124	11.6	19.7
3 22	10 0.36	+18 56.8	1.238	2.124	16.2	20.0
4 1	9 56.73	+18 37.9	1.312	2.124	20.1	20.2

31790 1999 LA_{1} 2 23.6 335°.77 9°.3/16.4 18

1 22	10 52.23	+30 57.4	1.522	2.381	14.5	16.5
2 1	10 46.47	+32 13.5	1.465	2.375	11.7	16.3
2 11	10 37.78	+33 19.3	1.432	2.369	9.6	16.2
2 21	10 27.20	+34 3.6	1.423	2.363	9.5	16.2
3 2	10 16.24	+34 17.9	1.438	2.358	11.5	16.3
3 12	10 6.52	+33 59.4	1.477	2.354	14.4	16.4
3 22	9 59.26	+33 10.8	1.537	2.349	17.5	16.6
4 1	9 55.17	+31 57.4	1.614	2.346	20.1	16.8

242736 2005 UX_{402} 2 23.6 171°.65 5°.9/17.5 18

1 22	10 49.19	+25 7.6	2.058	2.911	11.5	20.2
2 1	10 43.54	+26 30.0	1.998	2.912	8.7	20.0
2 11	10 35.82	+27 49.3	1.965	2.914	6.5	19.9
2 21	10 26.78	+28 57.2	1.960	2.915	6.1	19.9
3 2	10 17.44	+29 46.6	1.983	2.916	7.9	20.0
3 12	10 8.89	+30 13.6	2.033	2.917	10.7	20.1
3 22	10 2.03	+30 17.6	2.106	2.917	13.4	20.3
4 1	9 57.46	+30 0.6	2.198	2.917	15.7	20.5

488878 2005 SM_{164} 2 23.6 163°.11 2°.3/21.0 17

1 22	10 48.91	+15 45.2	2.670	3.505	9.8	23.1
2 1	10 42.82	+16 38.1	2.600	3.514	7.0	22.9
2 11	10 35.20	+17 34.0	2.558	3.521	4.1	22.7
2 21	10 26.64	+18 28.1	2.546	3.527	2.3	22.6
3 2	10 17.86	+19 15.3	2.565	3.533	4.1	22.8
3 12	10 9.65	+19 52.0	2.615	3.538	6.9	22.9
3 22	10 2.67	+20 15.9	2.692	3.542	9.7	23.1
4 1	9 57.42	+20 26.4	2.793	3.545	12.0	23.3

271192 2003 SG_{315} 2 23.6 168°.78 4°.1/18.6 18

1 22	10 46.42	+20 31.5	2.421	3.270	10.1	20.6
2 1	10 41.26	+21 56.7	2.356	3.274	7.4	20.5
2 11	10 34.41	+23 22.8	2.319	3.277	4.9	20.3
2 21	10 26.49	+24 43.1	2.311	3.279	4.2	20.3
3 2	10 18.28	+25 51.0	2.334	3.281	6.0	20.4
3 12	10 10.66	+26 41.9	2.385	3.283	8.7	20.6
3 22	10 4.36	+27 13.9	2.461	3.284	11.3	20.7
4 1	9 59.92	+27 27.2	2.558	3.285	13.6	20.9

145647 4193 P–L 2 23.6 74°.63 0°.2/23.8 18

1 22	10 49.99	+ 7 34.7	1.646	2.483	14.7	19.6
2 1	10 44.18	+ 7 58.4	1.590	2.502	10.7	19.4
2 11	10 36.17	+ 8 34.1	1.558	2.521	6.2	19.2
2 21	10 26.85	+ 9 16.7	1.553	2.540	1.4	18.9
3 2	10 17.37	+ 9 59.7	1.576	2.559	3.5	19.1
3 12	10 8.90	+10 37.0	1.627	2.578	8.0	19.4
3 22	10 2.35	+11 4.3	1.703	2.597	12.0	19.7
4 1	9 58.28	+11 19.3	1.801	2.616	15.3	19.9

208458 2001 TW_{205} 2 23.6 106°.21 3°.4/19.7 18

1 22	10 45.31	+18 32.7	2.378	3.228	10.3	20.1
2 1	10 40.41	+19 39.8	2.317	3.237	7.4	19.9
2 11	10 33.88	+20 48.6	2.283	3.245	4.6	19.7
2 21	10 26.37	+21 53.0	2.278	3.254	3.4	19.7
3 2	10 18.64	+22 47.3	2.303	3.262	5.3	19.8
3 12	10 11.54	+23 27.2	2.356	3.270	8.1	20.0
3 22	10 5.76	+23 50.9	2.435	3.278	10.8	20.2
4 1	10 1.79	+23 58.1	2.536	3.286	13.1	20.4

435942 2009 CW_{26} 2 23.6 81°.54 1°.7/21.7 18

1 22	10 44.04	+11 53.4	2.233	3.076	11.1	20.7
2 1	10 39.56	+12 59.9	2.166	3.084	7.9	20.5
2 11	10 33.44	+14 14.0	2.126	3.092	4.5	20.3
2 21	10 26.29	+15 29.7	2.114	3.100	1.7	20.1
3 2	10 18.91	+16 40.5	2.133	3.108	3.9	20.3
3 12	10 12.13	+17 40.8	2.181	3.116	7.4	20.5
3 22	10 6.67	+18 27.1	2.254	3.124	10.5	20.7
4 1	10 3.04	+18 57.6	2.351	3.132	13.2	20.9

217941 2001 TL_{141} 2 23.6 227°.93 0°.9/22.8 17

1 22	10 47.22	+ 9 33.8	2.014	2.851	12.4	21.2
2 1	10 42.14	+10 24.6	1.929	2.843	9.0	21.0
2 11	10 35.07	+11 26.2	1.870	2.835	5.1	20.7
2 21	10 26.66	+12 33.3	1.839	2.826	1.2	20.5
3 2	10 17.83	+13 39.0	1.837	2.817	3.7	20.6
3 12	10 9.59	+14 36.9	1.864	2.808	7.8	20.8
3 22	10 2.83	+15 22.3	1.918	2.798	11.6	21.1
4 1	9 58.20	+15 52.5	1.994	2.788	14.8	21.3

461914 2006 RD_{38} 2 23.6 197°.01 5°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.35	+30 36.8	3.255	4.087	8.3	22.2
2 1	10 43.05	+31 30.0	3.189	4.083	6.6	22.1
2 11	10 35.31	+32 17.2	3.150	4.079	5.3	22.0
2 21	10 26.68	+32 53.8	3.141	4.074	5.3	22.0
3 2	10 17.84	+33 15.8	3.161	4.068	6.4	22.0
3 12	10 9.53	+33 21.4	3.210	4.062	8.1	22.1
3 22	10 2.37	+33 10.7	3.284	4.055	9.9	22.3
4 1	9 56.82	+32 45.0	3.379	4.047	11.5	22.4

78839 2003 QM_{44} 2 23.6 228°.56 1°.2/24.6 18

1 22	10 51.04	+ 5 13.7	1.850	2.671	14.0	20.6
2 1	10 45.09	+ 5 23.7	1.759	2.662	10.5	20.3
2 11	10 36.86	+ 5 47.0	1.693	2.651	6.4	20.1
2 21	10 27.06	+ 6 20.3	1.654	2.640	2.1	19.7
3 2	10 16.72	+ 6 58.8	1.645	2.629	3.3	19.8
3 12	10 7.03	+ 7 36.4	1.664	2.617	7.8	20.0
3 22	9 59.01	+ 8 8.3	1.710	2.604	12.0	20.3
4 1	9 53.41	+ 8 30.6	1.778	2.591	15.6	20.5

389234 2009 ED_{21} 2 23.6 291°.42 4°.6/19.2 17

1 22	10 48.31	+22 48.8	2.250	3.100	10.8	20.8
2 1	10 42.85	+23 34.3	2.166	3.082	8.0	20.6
2 11	10 35.45	+24 18.6	2.108	3.064	5.5	20.4
2 21	10 26.75	+24 55.5	2.078	3.046	4.6	20.3
3 2	10 17.64	+25 19.3	2.077	3.028	6.4	20.4
3 12	10 9.15	+25 26.3	2.104	3.010	9.3	20.5
3 22	10 2.11	+25 15.5	2.155	2.992	12.2	20.7
4 1	9 57.17	+24 47.7	2.228	2.974	14.8	20.8

463904 2014 UN_{118} 2 23.6 58°.68 6°.8/28.6 18

1 22	10 50.46	− 6 56.0	1.599	2.381	17.6	20.8
2 1	10 44.70	− 7 44.4	1.535	2.396	14.3	20.6
2 11	10 36.59	− 8 9.1	1.492	2.412	10.8	20.5
2 21	10 26.98	− 8 9.3	1.473	2.428	7.8	20.3
3 2	10 17.07	− 7 47.2	1.480	2.444	6.9	20.3
3 12	10 8.10	− 7 8.5	1.514	2.461	9.0	20.5
3 22	10 1.10	− 6 21.0	1.573	2.477	12.2	20.7
4 1	9 56.70	− 5 32.4	1.653	2.494	15.3	20.9

1034 Mozartia 2 23.6 198°.51 1°.1/24.6 18

1 22	10 51.17	+ 4 47.6	2.077	2.891	13.0	16.8
2 1	10 44.93	+ 5 9.1	1.988	2.887	9.7	16.5
2 11	10 36.65	+ 5 43.6	1.925	2.882	5.9	16.3
2 21	10 27.01	+ 6 27.3	1.891	2.877	1.9	16.0
3 2	10 16.94	+ 7 15.5	1.886	2.870	3.0	16.1
3 12	10 7.49	+ 8 2.3	1.912	2.863	7.1	16.3
3 22	9 59.55	+ 8 42.9	1.965	2.854	10.9	16.5
4 1	9 53.78	+ 9 13.9	2.042	2.845	14.2	16.7

118862 2000 SK_{343} 2 23.7 13°.57 2°.1/25.1 18

1 22	10 47.01	+ 4 0.3	1.469	2.307	16.1	18.8
2 1	10 42.40	+ 3 56.5	1.401	2.310	12.1	18.6
2 11	10 35.37	+ 4 9.2	1.355	2.313	7.6	18.3
2 21	10 26.75	+ 4 35.3	1.333	2.318	3.0	18.1
3 2	10 17.75	+ 5 9.2	1.338	2.323	3.7	18.1
3 12	10 9.68	+ 5 44.3	1.370	2.329	8.4	18.4
3 22	10 3.59	+ 6 14.5	1.425	2.335	12.8	18.7
4 1	10 0.16	+ 6 35.5	1.502	2.342	16.6	18.9

95306 2002 CS_{99} 2 23.7 32°.77 1°.7/22.2 18

1 22	10 47.22	+12 16.3	1.768	2.618	13.3	19.8
2 1	10 42.25	+12 58.9	1.700	2.620	9.6	19.6
2 11	10 35.15	+13 49.8	1.656	2.623	5.4	19.3
2 21	10 26.69	+14 42.7	1.639	2.626	1.8	19.1
3 2	10 17.91	+15 30.7	1.651	2.629	4.4	19.3
3 12	10 9.94	+16 7.9	1.690	2.632	8.6	19.5
3 22	10 3.70	+16 30.7	1.754	2.635	12.4	19.8
4 1	9 59.80	+16 37.7	1.839	2.639	15.6	20.0

49998 2000 AA_{13} 2 23.7 243°.29 0°.5/23.9 18

1 22	10 51.25	+ 6 42.1	1.560	2.395	15.5	18.9
2 1	10 45.64	+ 7 4.6	1.473	2.384	11.5	18.6
2 11	10 37.37	+ 7 42.4	1.409	2.372	6.8	18.3
2 21	10 27.22	+ 8 30.7	1.371	2.359	1.7	18.0
3 2	10 16.39	+ 9 22.7	1.362	2.346	3.8	18.1
3 12	10 6.31	+10 10.7	1.379	2.332	9.0	18.3
3 22	9 58.20	+10 48.6	1.422	2.318	13.8	18.6
4 1	9 52.91	+11 12.5	1.485	2.303	17.8	18.8

335552 2006 BS_{129} 2 23.7 310°.53 1°.6/22.1 17

1 22	10 43.21	+ 9 15.0	1.750	2.599	13.4	20.5
2 1	10 39.54	+10 36.1	1.664	2.585	9.7	20.2
2 11	10 33.72	+12 12.6	1.602	2.570	5.5	19.9
2 21	10 26.42	+13 57.3	1.569	2.556	1.6	19.6
3 2	10 18.59	+15 40.4	1.563	2.542	4.6	19.8
3 12	10 11.36	+17 12.5	1.586	2.528	9.1	20.0
3 22	10 5.69	+18 26.8	1.633	2.515	13.2	20.2
4 1	10 2.34	+19 19.6	1.702	2.502	16.7	20.4

386837 2010 JT_{72} 2 23.7 187°.63 0°.2/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.36	+ 5 50.2	2.470	3.293	10.8	21.4
2 1	10 38.98	+ 6 40.8	2.388	3.293	7.9	21.2
2 11	10 33.10	+ 7 42.8	2.332	3.293	4.6	21.0
2 21	10 26.25	+ 8 52.0	2.305	3.292	1.1	20.8
3 2	10 19.13	+10 3.0	2.308	3.291	2.6	20.9
3 12	10 12.50	+11 10.3	2.342	3.291	6.1	21.1
3 22	10 7.00	+12 9.2	2.403	3.290	9.3	21.3
4 1	10 3.15	+12 56.7	2.488	3.289	12.0	21.5

131976 2002 CM_{61} 2 23.7 94°.69 4°.3/20.7 18

1 22	10 53.76	+18 20.5	1.514	2.370	14.8	19.5
2 1	10 47.16	+19 14.2	1.464	2.386	10.7	19.3
2 11	10 37.99	+20 9.6	1.438	2.402	6.5	19.1
2 21	10 27.29	+20 57.9	1.439	2.418	4.3	19.0
3 2	10 16.44	+21 31.4	1.468	2.434	6.7	19.2
3 12	10 6.84	+21 45.3	1.523	2.449	10.7	19.4
3 22	9 59.53	+21 39.0	1.601	2.464	14.4	19.7
4 1	9 55.11	+21 14.4	1.700	2.479	17.5	19.9

393243 2013 QH_{75} 2 23.7 185°.07 3°.2/20.6 18

1 22	10 48.31	+16 55.1	2.033	2.882	11.8	21.4
2 1	10 42.87	+17 51.9	1.962	2.882	8.5	21.1
2 11	10 35.46	+18 52.4	1.917	2.882	5.1	20.9
2 21	10 26.77	+19 50.1	1.901	2.881	3.2	20.8
3 2	10 17.77	+20 38.2	1.914	2.880	5.4	20.9
3 12	10 9.48	+21 11.7	1.955	2.879	8.8	21.2
3 22	10 2.77	+21 28.5	2.021	2.878	12.1	21.4
4 1	9 58.24	+21 28.2	2.109	2.877	14.9	21.5

468080 2013 TO_{46} 2 23.7 197°.07 2°.5/21.5 17

1 22	10 48.68	+15 24.2	1.985	2.832	12.1	21.8
2 1	10 43.15	+16 1.6	1.913	2.832	8.7	21.6
2 11	10 35.62	+16 43.3	1.866	2.831	5.1	21.3
2 21	10 26.81	+17 23.6	1.847	2.831	2.5	21.2
3 2	10 17.69	+17 56.6	1.857	2.830	4.7	21.3
3 12	10 9.31	+18 17.7	1.896	2.830	8.4	21.5
3 22	10 2.54	+18 24.7	1.960	2.829	11.9	21.7
4 1	9 57.99	+18 17.0	2.046	2.828	14.8	21.9

159482 2000 SF_{166} 2 23.7 204°.30 3°.3/26.7 18

1 22	10 49.65	− 2 16.2	2.180	2.965	13.4	20.4
2 1	10 43.79	− 2 4.1	2.085	2.959	10.5	20.2
2 11	10 36.00	− 1 34.4	2.014	2.952	7.2	20.0
2 21	10 26.91	− 0 49.0	1.971	2.945	4.1	19.8
3 2	10 17.36	+ 0 8.2	1.957	2.936	3.8	19.7
3 12	10 8.34	+ 1 11.5	1.974	2.926	6.8	19.9
3 22	10 0.70	+ 2 14.7	2.018	2.916	10.2	20.1
4 1	9 55.10	+ 3 12.3	2.087	2.904	13.4	20.3

82862 2001 QP_{60} 2 23.7 93°.42 1°.9/21.4 18

1 22	10 44.18	+11 59.1	2.290	3.133	10.9	19.2
2 1	10 39.62	+13 20.6	2.228	3.145	7.8	19.0
2 11	10 33.48	+14 49.5	2.192	3.158	4.4	18.8
2 21	10 26.34	+16 19.5	2.186	3.171	1.9	18.6
3 2	10 18.99	+17 43.6	2.210	3.183	4.1	18.8
3 12	10 12.24	+18 55.8	2.264	3.195	7.4	19.0
3 22	10 6.77	+19 52.6	2.344	3.207	10.4	19.2
4 1	10 3.10	+20 32.3	2.447	3.219	13.0	19.4

217264 2003 YP_{58} 2 23.7 98°.83 2°.9/26.6 18

1 22	10 46.32	− 1 5.0	2.257	3.052	12.7	20.3
2 1	10 41.13	− 0 57.6	2.186	3.066	9.8	20.2
2 11	10 34.33	− 0 35.0	2.139	3.081	6.6	20.0
2 21	10 26.52	+ 0 0.6	2.119	3.094	3.6	19.8
3 2	10 18.51	+ 0 45.3	2.129	3.108	3.4	19.8
3 12	10 11.13	+ 1 34.1	2.168	3.122	6.1	20.0
3 22	10 5.07	+ 2 22.1	2.234	3.135	9.2	20.2
4 1	10 0.84	+ 3 4.7	2.325	3.148	12.0	20.4

430285 2013 WV_{64} 2 23.7 85°.74 2°.1/21.5 18

1 22	10 45.60	+13 31.1	2.099	2.945	11.6	20.8
2 1	10 40.79	+14 29.9	2.034	2.953	8.3	20.6
2 11	10 34.20	+15 34.9	1.994	2.961	4.7	20.4
2 21	10 26.50	+16 40.1	1.984	2.968	2.2	20.2
3 2	10 18.56	+17 39.0	2.002	2.976	4.4	20.4
3 12	10 11.31	+18 26.2	2.049	2.983	7.9	20.6
3 22	10 5.49	+18 58.7	2.122	2.991	11.1	20.8
4 1	10 1.66	+19 15.3	2.217	2.998	13.9	21.0

63696 2001 QV_{169} 2 23.7 39°.43 4°.2/26.4 18

1 22	10 48.32	− 0 41.3	1.249	2.079	18.9	18.7
2 1	10 43.66	− 0 48.7	1.188	2.088	14.6	18.5
2 11	10 36.22	− 0 31.3	1.146	2.097	9.8	18.2
2 21	10 26.97	+ 0 8.1	1.128	2.106	5.3	18.0
3 2	10 17.32	+ 1 3.4	1.134	2.116	5.0	18.0
3 12	10 8.79	+ 2 5.3	1.166	2.127	9.2	18.3
3 22	10 2.58	+ 3 4.4	1.221	2.138	13.9	18.6
4 1	9 59.40	+ 3 53.6	1.296	2.149	17.9	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
381638 2008 YP_{85}			2 23.7 163°.50		3°.1/19.9 16	
	h m	° ′			°	m
1 22	10 47.07	+18 58.7	2.668	3.511	9.5	22.0
2 1	10 41.56	+19 58.0	2.601	3.517	6.9	21.8
2 11	10 34.54	+20 58.5	2.561	3.522	4.3	21.7
2 21	10 26.57	+21 54.8	2.552	3.526	3.2	21.6
3 2	10 18.39	+22 41.9	2.572	3.530	4.8	21.7
3 12	10 10.77	+23 16.1	2.623	3.534	7.5	21.9
3 22	10 4.35	+23 35.8	2.699	3.537	10.0	22.0
4 1	9 59.63	+23 40.8	2.798	3.539	12.2	22.2
210696 2000 SD_{78}			2 23.7 261°.53		1°.9/21.8 17	
1 22	10 47.60	+15 7.0	2.479	3.319	10.3	20.4
2 1	10 42.12	+15 33.6	2.390	3.305	7.4	20.2
2 11	10 34.96	+16 3.9	2.326	3.291	4.3	20.0
2 21	10 26.68	+16 33.5	2.292	3.277	1.9	19.8
3 2	10 18.06	+16 58.0	2.288	3.262	3.9	19.9
3 12	10 9.94	+17 13.7	2.314	3.247	7.1	20.1
3 22	10 3.06	+17 18.6	2.366	3.233	10.2	20.3
4 1	9 57.99	+17 11.7	2.442	3.217	12.9	20.4
379407 2010 AX_{41}			2 23.7	8°.70	6°.0/27.8 18	
1 22	10 44.37	− 3 39.5	1.376	2.194	18.1	19.3
2 1	10 40.64	− 4 18.6	1.309	2.196	14.5	19.1
2 11	10 34.43	− 4 33.9	1.262	2.200	10.5	18.9
2 21	10 26.59	− 4 25.3	1.238	2.206	6.9	18.7
3 2	10 18.33	− 3 55.8	1.238	2.213	6.2	18.7
3 12	10 11.00	− 3 12.4	1.263	2.221	9.1	18.8
3 22	10 5.65	− 2 23.5	1.312	2.231	12.9	19.1
4 1	10 3.02	− 1 36.8	1.381	2.242	16.6	19.3
312909 2011 UQ_{334}			2 23.7	103°.81	0°.1/23.8 18	
1 22	10 52.04	+ 7 14.0	1.673	2.505	14.8	21.6
2 1	10 45.65	+ 7 46.6	1.617	2.526	10.8	21.4
2 11	10 37.05	+ 8 31.8	1.585	2.547	6.2	21.2
2 21	10 27.11	+ 9 23.8	1.580	2.568	1.4	20.9
3 2	10 17.01	+10 15.9	1.604	2.587	3.5	21.1
3 12	10 7.95	+11 1.4	1.657	2.606	8.0	21.4
3 22	10 0.83	+11 36.0	1.735	2.625	12.0	21.7
4 1	9 56.25	+11 57.2	1.835	2.643	15.3	22.0
59485 1999 JR			2 23.7	302°.90	2°.2/21.6 18	
1 22	10 43.92	+10 21.1	1.666	2.519	13.7	19.0
2 1	10 40.18	+11 50.6	1.580	2.503	9.9	18.7
2 11	10 34.18	+13 36.0	1.519	2.487	5.6	18.4
2 21	10 26.56	+15 28.7	1.485	2.471	2.2	18.2
3 2	10 18.35	+17 18.2	1.480	2.455	5.2	18.3
3 12	10 10.76	+18 54.2	1.502	2.440	9.8	18.6
3 22	10 4.83	+20 9.6	1.548	2.425	14.0	18.8
4 1	10 1.36	+21 1.2	1.615	2.410	17.6	19.0
387188 2012 TJ_{285}			2 23.7	194°.64	4°.0/19.2 17	
1 22	10 47.53	+22 15.4	2.571	3.417	9.7	21.8
2 1	10 41.99	+23 7.1	2.501	3.415	7.2	21.6
2 11	10 34.83	+23 57.7	2.458	3.413	4.9	21.4
2 21	10 26.65	+24 41.6	2.444	3.411	4.0	21.4
3 2	10 18.23	+25 14.0	2.460	3.409	5.6	21.5
3 12	10 10.40	+25 31.7	2.504	3.406	8.2	21.6
3 22	10 3.85	+25 33.7	2.574	3.403	10.7	21.8
4 1	9 59.11	+25 20.4	2.666	3.400	12.9	21.9
207018 2004 VH_{8}			2 23.7	76°.32	4°.4/20.4 18	
1 22	10 51.27	+17 5.1	1.410	2.272	15.3	20.1
2 1	10 45.49	+18 18.0	1.364	2.289	11.0	19.9
2 11	10 37.10	+19 34.9	1.341	2.307	6.6	19.7
2 21	10 27.14	+20 45.5	1.345	2.324	4.4	19.6
3 2	10 17.01	+21 40.3	1.375	2.342	7.0	19.8
3 12	10 8.13	+22 13.4	1.432	2.359	11.1	20.0
3 22	10 1.57	+22 23.4	1.511	2.376	15.0	20.3
4 1	9 57.91	+22 11.9	1.609	2.394	18.1	20.6
148635 2001 ST_{19}			2 23.7	29°.87	4°.6/21.2 18	
1 22	10 53.65	+20 4.0	1.273	2.139	16.3	18.7
2 1	10 47.37	+20 20.0	1.227	2.154	11.9	18.4
2 11	10 38.21	+20 34.6	1.204	2.169	7.3	18.2
2 21	10 27.38	+20 39.9	1.205	2.185	4.6	18.1
3 2	10 16.49	+20 29.6	1.232	2.202	7.1	18.3
3 12	10 7.13	+20 1.3	1.284	2.220	11.3	18.6
3 22	10 0.39	+19 16.2	1.359	2.239	15.4	18.9
4 1	9 56.84	+18 17.0	1.453	2.259	18.8	19.1
110579 2001 TC_{119}			2 23.7	227°.89	4°.5/27.3 17	
1 22	10 49.82	− 3 42.2	2.128	2.908	13.9	19.8
2 1	10 44.00	− 4 4.9	2.032	2.899	11.1	19.5
2 11	10 36.19	− 4 11.0	1.959	2.889	8.0	19.3
2 21	10 26.99	− 4 0.8	1.914	2.879	5.2	19.1
3 2	10 17.30	− 3 36.1	1.897	2.869	4.7	19.1
3 12	10 8.13	− 3 1.4	1.909	2.858	7.2	19.2
3 22	10 0.36	− 2 21.9	1.948	2.846	10.5	19.4
4 1	9 54.69	− 1 43.0	2.011	2.834	13.6	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
203359 2001 VL_{88}			2 23.7	128°.19	1°.7/22.3 18	
	h m	° ′			°	m
1 22	10 51.59	+11 11.2	1.715	2.556	14.0	21.1
2 1	10 45.40	+12 8.0	1.655	2.571	10.1	20.9
2 11	10 36.96	+13 14.2	1.620	2.585	5.7	20.7
2 21	10 27.13	+14 22.6	1.612	2.599	1.8	20.4
3 2	10 17.06	+15 25.3	1.634	2.612	4.5	20.6
3 12	10 7.95	+16 15.7	1.684	2.624	8.8	20.9
3 22	10 0.75	+16 50.0	1.760	2.636	12.6	21.2
4 1	9 56.07	+17 7.1	1.857	2.647	15.9	21.4
156541 2002 CA_{311}			2 23.7	1°.11	5°.8/19.0 18	
1 22	10 49.88	+23 18.0	1.707	2.566	13.2	19.8
2 1	10 44.37	+24 15.8	1.645	2.565	9.8	19.6
2 11	10 36.46	+25 11.3	1.608	2.565	6.8	19.4
2 21	10 27.04	+25 55.8	1.598	2.565	5.8	19.3
3 2	10 17.30	+26 22.2	1.615	2.565	7.9	19.4
3 12	10 8.54	+26 26.4	1.657	2.566	11.2	19.6
3 22	10 1.77	+26 8.4	1.723	2.567	14.5	19.8
4 1	9 57.64	+25 30.5	1.808	2.568	17.3	20.0
294658 2008 AO_{82}			2 23.7	170°.71	2°.0/25.9 17	
1 22	10 46.95	+ 1 32.7	2.915	3.708	10.2	21.2
2 1	10 41.34	+ 1 28.0	2.829	3.711	7.8	21.1
2 11	10 34.38	+ 1 33.3	2.768	3.713	5.1	20.9
2 21	10 26.58	+ 1 46.9	2.737	3.715	2.6	20.7
3 2	10 18.54	+ 2 6.6	2.737	3.717	2.6	20.7
3 12	10 10.95	+ 2 29.1	2.767	3.719	5.1	20.9
3 22	10 4.39	+ 2 51.4	2.827	3.720	7.8	21.1
4 1	9 59.30	+ 3 10.6	2.912	3.720	10.2	21.2
52136 6076 $P–L$			2 23.7	166°.43	0°.6/23.0 18	
1 22	10 48.35	+ 9 55.5	2.406	3.234	11.0	20.0
2 1	10 42.59	+10 29.2	2.330	3.239	7.9	19.8
2 11	10 35.19	+11 10.3	2.280	3.243	4.5	19.6
2 21	10 26.75	+11 54.7	2.259	3.247	1.0	19.4
3 2	10 18.07	+12 37.6	2.270	3.250	3.0	19.5
3 12	10 9.97	+13 14.6	2.310	3.253	6.5	19.8
3 22	10 3.17	+13 42.5	2.378	3.255	9.7	20.0
4 1	9 58.20	+13 59.4	2.469	3.257	12.5	20.2
134799 2000 ES_{30}			2 23.7	161°.49	5°.1/19.1 18	
1 22	10 53.94	+24 24.0	2.154	2.997	11.5	19.3
2 1	10 46.84	+25 15.2	2.092	3.003	8.6	19.1
2 11	10 37.69	+26 2.7	2.057	3.009	6.0	18.9
2 21	10 27.29	+26 39.6	2.051	3.014	5.2	18.9
3 2	10 16.67	+27 0.2	2.074	3.018	6.9	19.0
3 12	10 6.94	+27 1.8	2.125	3.022	9.7	19.2
3 22	9 58.96	+26 44.5	2.201	3.025	12.5	19.4
4 1	9 53.31	+26 10.4	2.299	3.028	14.9	19.5
128896 2004 TA_{2}			2 23.7	153°.70	0°.1/23.7 18	
1 22	10 47.55	+ 7 38.2	2.140	2.968	12.1	20.9
2 1	10 42.18	+ 8 7.8	2.065	2.973	8.9	20.7
2 11	10 35.03	+ 8 47.6	2.015	2.977	5.1	20.5
2 21	10 26.73	+ 9 33.4	1.993	2.981	1.1	20.2
3 2	10 18.15	+10 20.0	2.002	2.985	3.0	20.4
3 12	10 10.22	+11 2.1	2.039	2.988	6.9	20.6
3 22	10 3.71	+11 35.9	2.103	2.991	10.4	20.9
4 1	9 59.19	+11 58.6	2.191	2.994	13.3	21.1
261890 2006 HO_{36}			2 23.7	295°.80	1°.4/22.6 18	
1 22	10 47.48	+10 1.5	1.427	2.282	15.5	20.9
2 1	10 43.14	+10 50.2	1.342	2.265	11.4	20.6
2 11	10 36.06	+11 54.0	1.280	2.248	6.5	20.3
2 21	10 27.02	+13 5.9	1.243	2.231	1.7	19.9
3 2	10 17.24	+14 16.3	1.234	2.214	4.9	20.1
3 12	10 8.22	+15 16.0	1.249	2.198	10.3	20.4
3 22	10 1.23	+15 58.2	1.289	2.182	15.2	20.6
4 1	9 57.17	+16 20.1	1.347	2.166	19.3	20.8
312147 2007 TG_{412}			2 23.7	67°.15	3°.2/25.9 18	
1 22	10 50.21	+ 1 14.6	1.493	2.315	16.7	20.6
2 1	10 44.68	+ 1 5.8	1.427	2.325	12.8	20.4
2 11	10 36.68	+ 1 15.9	1.383	2.335	8.3	20.1
2 21	10 27.10	+ 1 42.4	1.364	2.345	4.1	19.9
3 2	10 17.17	+ 2 20.2	1.373	2.355	4.2	19.9
3 12	10 8.24	+ 3 2.3	1.408	2.365	8.3	20.2
3 22	10 1.36	+ 3 42.1	1.467	2.376	12.6	20.5
4 1	9 57.20	+ 4 14.2	1.549	2.386	16.3	20.7
386554 2009 DX_{52}			2 23.7	73°.76	1°.6/22.5 18	
1 22	10 55.45	+15 43.8	2.175	3.007	11.8	20.8
2 1	10 47.66	+15 35.4	2.114	3.025	8.5	20.6
2 11	10 38.03	+15 28.2	2.080	3.044	4.9	20.4
2 21	10 27.34	+15 18.7	2.076	3.062	1.7	20.2
3 2	10 16.61	+15 3.8	2.103	3.080	3.7	20.4
3 12	10 6.82	+14 41.6	2.161	3.099	7.3	20.7
3 22	9 58.74	+14 11.6	2.246	3.117	10.5	20.9
4 1	9 52.89	+13 34.1	2.354	3.135	13.2	21.1

432212 2009 FD_7 2 23.7 41°.39 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.34	+ 6 14.2	2.031	2.865	12.4	20.7
2 1	10 39.19	+ 7 6.0	1.964	2.874	9.1	20.5
2 11	10 33.31	+ 8 10.4	1.921	2.884	5.3	20.3
2 21	10 26.37	+ 9 22.4	1.906	2.894	1.2	20.0
3 2	10 19.18	+10 35.2	1.920	2.904	3.0	20.1
3 12	10 12.64	+11 42.5	1.964	2.914	6.9	20.4
3 22	10 7.50	+12 39.1	2.033	2.925	10.5	20.6
4 1	10 4.28	+13 21.9	2.125	2.936	13.4	20.9

265624 2005 SE_{151} 2 23.7 160°.60 0°.1/23.6 16

1 22	10 47.82	+ 7 40.5	2.205	3.031	11.9	21.7
2 1	10 42.34	+ 8 20.4	2.130	3.037	8.7	21.5
2 11	10 35.10	+ 9 10.5	2.080	3.042	5.0	21.3
2 21	10 26.75	+10 6.4	2.059	3.047	1.0	21.0
3 2	10 18.12	+11 2.6	2.069	3.051	3.0	21.2
3 12	10 10.13	+11 53.5	2.108	3.055	6.8	21.5
3 22	10 3.51	+12 35.0	2.174	3.058	10.2	21.7
4 1	9 58.85	+13 4.7	2.263	3.060	13.2	21.9

79481 1998 EO_{12} 2 23.7 359°.16 4°.9/19.7 18

1 22	10 49.25	+22 46.7	1.889	2.745	12.3	18.2
2 1	10 43.69	+23 24.0	1.824	2.743	9.1	18.0
2 11	10 35.98	+23 58.8	1.784	2.742	6.1	17.8
2 21	10 26.94	+24 24.4	1.771	2.742	4.9	17.7
3 2	10 17.64	+24 35.0	1.787	2.742	6.8	17.9
3 12	10 9.22	+24 27.5	1.828	2.742	10.0	18.0
3 22	10 2.59	+24 1.8	1.894	2.743	13.1	18.2
4 1	9 58.35	+23 19.6	1.981	2.745	15.9	18.4

245007 2004 CV_{72} 2 23.7 351°.08 1°.6/21.4 17

1 22	10 41.19	+13 28.9	3.006	3.847	8.6	20.4
2 1	10 37.23	+14 23.9	2.929	3.846	6.2	20.2
2 11	10 32.04	+15 23.6	2.880	3.846	3.5	20.1
2 21	10 26.09	+16 23.9	2.861	3.845	1.6	19.9
3 2	10 19.93	+17 20.4	2.872	3.845	3.3	20.0
3 12	10 14.16	+18 9.1	2.913	3.844	5.9	20.2
3 22	10 9.33	+18 47.5	2.982	3.844	8.5	20.4
4 1	10 5.83	+19 13.9	3.074	3.844	10.6	20.5

298988 2004 XX_{19} 2 23.7 73°.69 2°.1/22.2 18

1 22	10 52.11	+12 23.5	1.409	2.262	15.8	20.7
2 1	10 46.00	+13 12.3	1.363	2.285	11.3	20.5
2 11	10 37.35	+14 9.7	1.340	2.308	6.4	20.2
2 21	10 27.22	+15 7.4	1.344	2.330	2.2	20.0
3 2	10 16.99	+15 57.0	1.375	2.353	5.1	20.3
3 12	10 8.04	+16 32.0	1.433	2.376	9.8	20.6
3 22	10 1.37	+16 49.5	1.514	2.398	13.9	20.9
4 1	9 57.57	+16 49.3	1.616	2.420	17.3	21.2

505037 2011 RG 2 23.7 188°.06 1°.9/25.8 17

1 22	10 47.11	+ 2 0.4	2.944	3.738	10.1	22.1
2 1	10 41.47	+ 1 55.5	2.854	3.737	7.7	21.9
2 11	10 34.48	+ 2 0.1	2.790	3.736	5.0	21.7
2 21	10 26.62	+ 2 12.7	2.755	3.735	2.4	21.5
3 2	10 18.51	+ 2 30.9	2.752	3.733	2.5	21.5
3 12	10 10.83	+ 2 51.8	2.779	3.730	5.1	21.7
3 22	10 4.16	+ 3 12.3	2.835	3.728	7.8	21.9
4 1	9 58.96	+ 3 29.7	2.917	3.725	10.2	22.0

168929 2000 YT_{72} 2 23.7 79°.15 0°.5/23.3 18

1 22	10 52.13	+ 8 35.7	1.500	2.341	15.7	20.8
2 1	10 45.87	+ 9 11.6	1.452	2.367	11.3	20.6
2 11	10 37.22	+ 9 59.6	1.427	2.392	6.4	20.4
2 21	10 27.20	+10 52.9	1.429	2.417	1.3	20.1
3 2	10 17.07	+11 43.9	1.459	2.442	3.9	20.3
3 12	10 8.15	+12 26.0	1.516	2.466	8.7	20.7
3 22	10 1.37	+12 54.9	1.598	2.490	12.8	21.0
4 1	9 57.31	+13 8.9	1.702	2.513	16.2	21.2

59520 1999 JY_{18} 2 23.7 232°.44 2°.8/25.8 18

1 22	10 49.74	+ 0 50.7	1.769	2.580	15.0	19.2
2 1	10 44.27	+ 0 55.0	1.679	2.571	11.6	19.0
2 11	10 36.49	+ 1 17.1	1.612	2.562	7.6	18.7
2 21	10 27.10	+ 1 54.7	1.571	2.552	3.7	18.5
3 2	10 17.15	+ 2 43.3	1.559	2.541	3.8	18.4
3 12	10 7.84	+ 3 36.4	1.575	2.531	7.8	18.7
3 22	10 0.22	+ 4 27.2	1.617	2.519	12.0	18.9
4 1	9 55.05	+ 5 10.2	1.681	2.508	15.7	19.1

284709 2008 TK_{90} 2 23.7 184°.05 2°.4/21.7 18

1 22	10 52.34	+13 50.3	1.849	2.690	13.1	22.0
2 1	10 46.00	+14 43.5	1.775	2.691	9.5	21.7
2 11	10 37.38	+15 43.8	1.726	2.691	5.5	21.5
2 21	10 27.28	+16 44.3	1.706	2.690	2.4	21.3
3 2	10 16.78	+17 37.4	1.715	2.689	4.9	21.4
3 12	10 7.09	+18 17.2	1.753	2.686	9.0	21.7
3 22	9 59.19	+18 40.5	1.817	2.683	12.8	21.9
4 1	9 53.77	+18 46.8	1.901	2.679	16.0	22.1

424643 2008 OD_2 2 23.7 158°.31 2°.5/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.02	− 0 3.6	2.497	3.288	11.7	21.9
2 1	10 42.31	+ 0 0.3	2.415	3.295	9.0	21.7
2 11	10 35.03	+ 0 17.4	2.359	3.302	6.0	21.5
2 21	10 26.76	+ 0 45.6	2.331	3.307	3.2	21.4
3 2	10 18.23	+ 1 21.8	2.333	3.313	3.1	21.3
3 12	10 10.25	+ 2 1.6	2.365	3.317	5.8	21.5
3 22	10 3.49	+ 2 40.8	2.426	3.322	8.8	21.7
4 1	9 58.46	+ 3 15.6	2.511	3.325	11.5	21.9

381669 2009 BE_{45} 2 23.7 57°.25 0°.7/24.3 17

1 22	10 48.02	+ 7 5.1	2.160	2.985	12.1	20.8
2 1	10 42.48	+ 7 6.0	2.086	2.991	8.9	20.6
2 11	10 35.19	+ 7 16.0	2.037	2.997	5.3	20.4
2 21	10 26.80	+ 7 32.3	2.016	3.003	1.5	20.1
3 2	10 18.15	+ 7 51.0	2.025	3.009	2.8	20.2
3 12	10 10.19	+ 8 8.1	2.063	3.015	6.5	20.5
3 22	10 3.64	+ 8 20.5	2.128	3.022	10.0	20.7
4 1	9 59.07	+ 8 25.7	2.217	3.028	12.9	20.9

293437 2007 EB_{155} 2 23.7 250°.96 2°.8/26.2 17

1 22	10 46.29	− 0 8.3	2.042	2.847	13.5	21.0
2 1	10 41.48	+ 0 3.6	1.950	2.838	10.4	20.8
2 11	10 34.76	+ 0 32.3	1.882	2.829	6.9	20.5
2 21	10 26.73	+ 1 15.6	1.841	2.820	3.5	20.3
3 2	10 18.27	+ 2 9.2	1.829	2.811	3.5	20.3
3 12	10 10.34	+ 3 7.3	1.846	2.801	6.9	20.5
3 22	10 3.81	+ 4 3.7	1.889	2.792	10.5	20.7
4 1	9 59.33	+ 4 53.2	1.956	2.782	13.8	20.9

109023 2001 QF_8 2 23.7 271°.10 1°.5/24.9 17

1 22	10 47.65	+ 4 39.5	2.227	3.044	12.1	19.8
2 1	10 42.30	+ 4 37.3	2.136	3.035	9.1	19.6
2 11	10 35.16	+ 4 45.9	2.071	3.026	5.7	19.3
2 21	10 26.81	+ 5 3.0	2.033	3.017	2.2	19.1
3 2	10 18.08	+ 5 25.1	2.024	3.008	2.8	19.1
3 12	10 9.88	+ 5 48.2	2.046	2.999	6.5	19.3
3 22	10 3.01	+ 6 8.5	2.094	2.990	10.0	19.5
4 1	9 58.06	+ 6 22.7	2.166	2.981	13.1	19.7

455489 2003 UE_{334} 2 23.7 85°.90 2°.5/25.7 18

1 22	10 48.17	+ 1 3.5	1.566	2.388	16.1	21.8
2 1	10 43.13	+ 1 25.6	1.499	2.398	12.2	21.6
2 11	10 35.78	+ 2 7.8	1.454	2.408	7.8	21.4
2 21	10 26.95	+ 3 6.2	1.435	2.417	3.4	21.1
3 2	10 17.78	+ 4 13.8	1.444	2.427	3.7	21.2
3 12	10 9.52	+ 5 22.5	1.479	2.437	8.0	21.4
3 22	10 3.16	+ 6 24.6	1.540	2.447	12.2	21.7
4 1	9 59.36	+ 7 14.8	1.623	2.456	15.9	22.0

360432 2002 JJ_9 2 23.7 256°.91 0°.9/24.4 16

1 22	10 49.11	+ 5 0.1	1.857	2.682	13.8	22.1
2 1	10 43.83	+ 5 26.9	1.758	2.662	10.4	21.8
2 11	10 36.28	+ 6 9.0	1.683	2.642	6.3	21.5
2 21	10 27.10	+ 7 2.6	1.635	2.622	1.9	21.2
3 2	10 17.26	+ 8 1.9	1.616	2.600	3.3	21.2
3 12	10 7.94	+ 8 59.8	1.626	2.579	7.9	21.5
3 22	10 0.19	+ 9 50.3	1.662	2.556	12.2	21.7
4 1	9 54.80	+10 28.8	1.720	2.534	16.0	21.9

85624 1998 HU_{138} 2 23.7 35°.81 0°.4/24.0 18

1 22	10 45.77	+ 4 54.0	1.337	2.184	16.8	19.0
2 1	10 41.71	+ 5 48.1	1.275	2.191	12.4	18.8
2 11	10 35.09	+ 7 2.7	1.234	2.199	7.3	18.5
2 21	10 26.82	+ 8 30.4	1.219	2.207	1.8	18.2
3 2	10 18.16	+10 1.1	1.230	2.215	3.9	18.3
3 12	10 10.51	+11 23.9	1.268	2.224	9.2	18.7
3 22	10 4.97	+12 31.2	1.328	2.233	14.0	19.0
4 1	10 2.23	+13 18.3	1.409	2.242	17.9	19.2

367580 2009 SF_{217} 2 23.7 189°.00 0°.9/22.7 17

1 22	10 46.60	+ 8 37.9	2.275	3.105	11.4	21.1
2 1	10 41.51	+ 9 47.2	2.194	3.104	8.3	20.9
2 11	10 34.68	+11 7.5	2.139	3.103	4.7	20.7
2 21	10 26.72	+12 33.1	2.113	3.101	1.1	20.4
3 2	10 18.41	+13 57.3	2.119	3.098	3.4	20.6
3 12	10 10.65	+15 13.6	2.155	3.095	7.1	20.8
3 22	10 4.18	+16 17.1	2.218	3.091	10.5	21.0
4 1	9 59.58	+17 5.2	2.304	3.087	13.4	21.2

144910 2005 AX_{15} 2 23.7 45°.47 0°.4/24.1 18

1 22	10 45.84	+ 6 23.7	2.004	2.835	12.7	20.0
2 1	10 41.10	+ 6 54.4	1.928	2.836	9.4	19.8
2 11	10 34.49	+ 7 37.2	1.876	2.837	5.5	19.6
2 21	10 26.69	+ 8 27.9	1.851	2.839	1.4	19.3
3 2	10 18.57	+ 9 20.9	1.856	2.840	3.0	19.4
3 12	10 11.09	+10 10.3	1.890	2.841	7.0	19.7
3 22	10 5.07	+10 51.3	1.949	2.843	10.7	19.9
4 1	10 1.10	+11 20.9	2.032	2.845	13.9	20.1

303223 2004 NW_{10} 2 23.7 227°.73 2°.5/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 52.43	+ 2 36.0	1.728	2.542	15.2	20.9
2 1	10 46.32	+ 2 30.3	1.638	2.533	11.6	20.6
2 11	10 37.74	+ 2 40.1	1.571	2.523	7.4	20.3
2 21	10 27.44	+ 3 3.5	1.531	2.513	3.3	20.1
3 2	10 16.53	+ 3 36.1	1.519	2.502	3.8	20.1
3 12	10 6.30	+ 4 12.1	1.536	2.490	8.1	20.3
3 22	9 57.86	+ 4 45.7	1.578	2.478	12.4	20.5
4 1	9 52.03	+ 5 12.2	1.643	2.465	16.2	20.7

166003 2002 AD_{64} 2 23.7 325°.06 1°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.27	+ 7 12.4	1.270	2.118	17.5	19.0
2 1	10 46.17	+ 6 44.3	1.188	2.104	13.2	18.7
2 11	10 37.97	+ 6 28.7	1.127	2.090	8.1	18.3
2 21	10 27.53	+ 6 23.0	1.090	2.077	2.7	18.0
3 2	10 16.28	+ 6 23.2	1.079	2.064	4.3	18.0
3 12	10 5.97	+ 6 23.7	1.094	2.053	10.0	18.3
3 22	9 58.01	+ 6 20.0	1.130	2.042	15.2	18.6
4 1	9 53.39	+ 6 8.4	1.187	2.032	19.8	18.8

422400 2014 SU_{279} 2 23.7 205°.17 1°.5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.05	+11 41.5	2.072	2.908	12.2	22.4
2 1	10 44.20	+12 29.2	1.989	2.903	8.8	22.2
2 11	10 36.33	+13 25.3	1.932	2.897	5.0	22.0
2 21	10 27.11	+14 24.1	1.904	2.890	1.6	21.7
3 2	10 17.48	+15 19.2	1.905	2.883	4.0	21.9
3 12	10 8.47	+16 4.8	1.936	2.875	7.9	22.1
3 22	10 0.98	+16 37.2	1.994	2.866	11.6	22.3
4 1	9 55.66	+16 54.6	2.073	2.856	14.7	22.5

296557 2009 QG_{24} 2 23.7 70°.04 0°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.70	+ 5 28.8	1.762	2.593	14.2	21.0
2 1	10 42.61	+ 5 50.8	1.693	2.600	10.5	20.8
2 11	10 35.42	+ 6 26.7	1.648	2.608	6.3	20.5
2 21	10 26.91	+ 7 12.0	1.629	2.616	1.8	20.3
3 2	10 18.09	+ 8 0.9	1.639	2.624	3.2	20.4
3 12	10 10.09	+ 8 47.0	1.677	2.632	7.6	20.7
3 22	10 3.79	+ 9 25.2	1.741	2.640	11.5	20.9
4 1	9 59.80	+ 9 51.9	1.827	2.648	14.9	21.2

301504 2009 ED_{26} 2 23.7 274°.85 0°.3/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.07	+10 0.9	2.378	3.209	11.0	20.9
2 1	10 41.79	+10 13.8	2.290	3.200	8.0	20.7
2 11	10 34.84	+10 33.5	2.228	3.191	4.6	20.5
2 21	10 26.78	+10 56.8	2.194	3.182	1.0	20.2
3 2	10 18.40	+11 19.7	2.191	3.173	2.9	20.3
3 12	10 10.53	+11 38.3	2.217	3.164	6.5	20.5
3 22	10 3.92	+11 49.8	2.270	3.155	9.8	20.7
4 1	9 59.13	+11 52.4	2.347	3.146	12.7	20.9

283748 2003 CN_{14} 2 23.7 47°.64 4°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.26	+14 42.1	1.201	2.071	16.7	20.5
2 1	10 43.77	+16 11.6	1.151	2.081	12.0	20.2
2 11	10 36.38	+17 50.7	1.123	2.092	7.1	20.0
2 21	10 27.13	+19 27.0	1.120	2.102	4.3	19.8
3 2	10 17.55	+20 47.8	1.143	2.114	7.4	20.1
3 12	10 9.24	+21 44.1	1.190	2.125	12.1	20.3
3 22	10 3.41	+22 12.8	1.259	2.137	16.5	20.6
4 1	10 0.74	+22 14.7	1.345	2.149	20.1	20.9

289613 2005 GU_{27} 2 23.7 316°.16 2°.3/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.47	+ 3 16.8	1.437	2.273	16.5	20.4
2 1	10 43.07	+ 3 17.0	1.353	2.260	12.6	20.1
2 11	10 36.02	+ 3 35.6	1.290	2.248	8.0	19.8
2 21	10 27.10	+ 4 9.8	1.252	2.236	3.3	19.5
3 2	10 17.51	+ 4 54.0	1.240	2.224	4.0	19.5
3 12	10 8.68	+ 5 40.7	1.254	2.213	8.9	19.7
3 22	10 1.83	+ 6 22.7	1.292	2.203	13.7	20.0
4 1	9 57.83	+ 6 54.2	1.350	2.193	18.0	20.2

240217 2002 SX_{44} 2 23.7 27°.67 14°.4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 3.17	+49 56.6	1.711	2.506	16.1	19.5
2 1	10 54.39	+51 5.0	1.692	2.518	14.9	19.5
2 11	10 42.21	+51 44.0	1.693	2.532	14.4	19.5
2 21	10 28.31	+51 44.2	1.715	2.546	14.7	19.5
3 2	10 14.75	+51 2.2	1.758	2.561	15.7	19.6
3 12	10 3.42	+49 41.3	1.820	2.576	17.1	19.8
3 22	9 55.45	+47 49.5	1.901	2.592	18.6	19.9
4 1	9 51.21	+45 35.7	1.997	2.609	19.9	20.1

467639 2008 RN_{125} 2 23.7 155°.48 1°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.16	+ 3 32.2	2.182	2.998	12.3	21.9
2 1	10 41.20	+ 4 1.7	2.103	3.001	9.2	21.7
2 11	10 34.52	+ 4 44.5	2.049	3.005	5.7	21.5
2 21	10 26.72	+ 5 37.2	2.023	3.008	2.0	21.3
3 2	10 18.64	+ 6 34.7	2.027	3.011	2.7	21.3
3 12	10 11.14	+ 7 31.3	2.060	3.013	6.4	21.6
3 22	10 4.99	+ 8 21.9	2.120	3.016	9.9	21.8
4 1	10 0.74	+ 9 2.9	2.204	3.018	12.9	22.0

464804 2004 PY_{91} 2 23.7 217°.47 3°.1/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.55	− 0 37.0	2.372	3.160	12.4	22.0
2 1	10 43.64	− 0 47.2	2.275	3.152	9.6	21.8
2 11	10 35.95	− 0 43.9	2.203	3.143	6.5	21.6
2 21	10 27.05	− 0 28.2	2.159	3.134	3.7	21.4
3 2	10 17.74	− 0 2.8	2.146	3.124	3.5	21.4
3 12	10 8.90	+ 0 28.5	2.162	3.113	6.3	21.5
3 22	10 1.33	+ 1 1.1	2.206	3.102	9.6	21.7
4 1	9 55.62	+ 1 31.0	2.275	3.091	12.5	21.9

243378 2008 XT_{43} 2 23.7 84°.76 1°.9/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.99	+11 58.0	2.248	3.092	11.0	20.1
2 1	10 39.59	+13 17.2	2.183	3.101	7.9	19.9
2 11	10 33.56	+14 44.2	2.144	3.111	4.4	19.7
2 21	10 26.51	+16 12.6	2.135	3.120	1.9	19.5
3 2	10 19.22	+17 35.4	2.156	3.129	4.1	19.7
3 12	10 12.53	+18 46.5	2.206	3.138	7.5	19.9
3 22	10 7.13	+19 42.1	2.283	3.148	10.6	20.2
4 1	10 3.54	+20 20.6	2.382	3.157	13.2	20.4

269239 2008 QD_{10} 2 23.7 201°.26 0°.3/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.74	+ 6 32.6	2.426	3.246	11.1	21.6
2 1	10 41.52	+ 7 6.6	2.339	3.242	8.2	21.4
2 11	10 34.68	+ 7 51.1	2.278	3.238	4.8	21.1
2 21	10 26.76	+ 8 42.1	2.246	3.233	1.2	20.9
3 2	10 18.53	+ 9 35.1	2.245	3.228	2.6	21.0
3 12	10 10.79	+10 25.0	2.274	3.222	6.3	21.2
3 22	10 4.26	+11 7.7	2.330	3.216	9.6	21.4
4 1	9 59.50	+11 40.2	2.411	3.209	12.4	21.6

33063 1997 VB_{3} 2 23.7 61°.85 3°.6/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.09	+15 16.0	1.277	2.140	16.5	18.1
2 1	10 46.23	+16 16.6	1.236	2.162	11.8	17.9
2 11	10 37.60	+17 23.0	1.218	2.185	6.8	17.6
2 21	10 27.38	+18 25.1	1.225	2.208	3.6	17.5
3 2	10 17.06	+19 13.5	1.258	2.231	6.5	17.7
3 12	10 8.18	+19 42.0	1.317	2.254	11.0	18.0
3 22	10 1.79	+19 49.0	1.398	2.277	15.1	18.4
4 1	9 58.45	+19 35.9	1.498	2.300	18.5	18.6

257421 2010 BR_{11} 2 23.7 60°.58 2°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.96	+ 1 8.2	2.056	2.868	13.1	20.5
2 1	10 40.37	+ 1 29.3	1.984	2.877	10.0	20.3
2 11	10 34.04	+ 2 5.8	1.936	2.887	6.4	20.1
2 21	10 26.62	+ 2 54.7	1.915	2.897	2.9	19.9
3 2	10 18.95	+ 3 51.0	1.924	2.907	3.0	19.9
3 12	10 11.93	+ 4 48.8	1.961	2.917	6.5	20.2
3 22	10 6.32	+ 5 42.4	2.024	2.927	9.9	20.4
4 1	10 2.64	+ 6 27.6	2.112	2.937	13.0	20.6

29174 1990 QJ_{6} 2 23.7 193°.30 0°.2/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.43	+ 8 40.0	2.832	3.655	9.6	19.9
2 1	10 40.36	+ 9 12.2	2.747	3.653	7.0	19.7
2 11	10 33.92	+ 9 51.7	2.689	3.651	4.0	19.5
2 21	10 26.59	+10 35.1	2.660	3.648	0.8	19.3
3 2	10 19.02	+11 18.6	2.662	3.644	2.5	19.4
3 12	10 11.88	+11 58.2	2.695	3.640	5.6	19.6
3 22	10 5.77	+12 30.9	2.756	3.636	8.5	19.8
4 1	10 1.16	+12 54.5	2.842	3.632	10.9	20.0

460661 2014 UG_{149} 2 23.7 122°.13 1°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.56	+ 4 1.8	1.969	2.788	13.4	21.5
2 1	10 43.02	+ 4 29.4	1.900	2.800	10.0	21.3
2 11	10 35.58	+ 5 10.9	1.855	2.812	6.0	21.1
2 21	10 26.96	+ 6 2.2	1.839	2.824	2.0	20.8
3 2	10 18.08	+ 6 57.7	1.851	2.835	2.9	20.9
3 12	10 9.95	+ 7 51.3	1.893	2.846	6.9	21.2
3 22	10 3.38	+ 8 37.9	1.961	2.857	10.6	21.4
4 1	9 58.94	+ 9 14.0	2.053	2.867	13.7	21.6

396600 2001 PG_{57} 2 23.7 206°.87 0°.4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.38	+ 5 10.6	1.710	2.539	14.6	21.7
2 1	10 44.07	+ 5 59.4	1.628	2.535	10.9	21.5
2 11	10 36.43	+ 7 5.4	1.569	2.530	6.4	21.2
2 21	10 27.19	+ 8 23.0	1.537	2.524	1.6	20.9
3 2	10 17.44	+ 9 44.4	1.535	2.518	3.5	21.0
3 12	10 8.39	+11 0.9	1.560	2.512	8.3	21.2
3 22	10 1.11	+12 5.7	1.612	2.504	12.7	21.5
4 1	9 56.33	+12 54.4	1.685	2.496	16.4	21.7

432084 2008 YU_{142} 2 23.7 38°.24 2°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.36	+13 9.4	1.869	2.720	12.6	21.0
2 1	10 40.83	+14 4.0	1.808	2.730	9.0	20.8
2 11	10 34.37	+15 5.5	1.773	2.740	5.1	20.6
2 21	10 26.72	+16 7.6	1.765	2.750	2.2	20.4
3 2	10 18.83	+17 3.1	1.785	2.761	4.5	20.6
3 12	10 11.73	+17 46.5	1.834	2.772	8.3	20.8
3 22	10 6.22	+18 14.5	1.907	2.783	11.8	21.0
4 1	10 2.85	+18 26.1	2.001	2.795	14.8	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
333503 2005 EC_{212}			2 23.7	75°.60	4°.1/20.0	18
	h m	° ′			°	m
1 22	10 49.48	+20 49.6	2.051	2.901	11.6	20.0
2 1	10 43.70	+21 34.1	1.990	2.908	8.5	19.8
2 11	10 35.97	+22 17.9	1.956	2.915	5.5	19.6
2 21	10 27.06	+22 54.6	1.949	2.923	4.2	19.6
3 2	10 17.94	+23 18.6	1.971	2.930	6.0	19.7
3 12	10 9.66	+23 26.5	2.021	2.937	9.1	19.9
3 22	10 3.01	+23 17.7	2.096	2.944	12.1	20.1
4 1	9 58.57	+22 53.1	2.192	2.951	14.7	20.3
16761 Hertz			2 23.7	137°.24	1°.6/25.5	18
1 22	10 46.36	+ 1 4.8	2.217	3.022	12.5	19.2
2 1	10 41.29	+ 1 51.7	2.142	3.033	9.5	19.0
2 11	10 34.55	+ 2 54.3	2.092	3.044	5.9	18.8
2 21	10 26.76	+ 4 8.6	2.071	3.054	2.4	18.6
3 2	10 18.72	+ 5 28.9	2.080	3.064	2.7	18.6
3 12	10 11.29	+ 6 48.3	2.119	3.073	6.3	18.9
3 22	10 5.19	+ 8 1.1	2.186	3.082	9.7	19.1
4 1	10 0.95	+ 9 3.0	2.278	3.090	12.6	19.3
305649 2009 BF_{53}			2 23.7	98°.22	2°.0/22.0	18
1 22	10 51.64	+11 47.0	1.629	2.474	14.4	21.0
2 1	10 45.48	+12 51.8	1.580	2.498	10.3	20.8
2 11	10 37.06	+14 5.4	1.554	2.521	5.8	20.6
2 21	10 27.30	+15 19.6	1.557	2.543	2.1	20.4
3 2	10 17.39	+16 26.0	1.588	2.565	4.8	20.7
3 12	10 8.56	+17 17.9	1.647	2.586	9.1	21.0
3 22	10 1.73	+17 51.9	1.732	2.607	12.9	21.2
4 1	9 57.48	+18 7.5	1.837	2.627	16.0	21.5
54905 2001 OA_{80}			2 23.7	335°.99	4°.2/25.9	18
1 22	10 50.33	+ 1 55.9	1.388	2.217	17.4	19.1
2 1	10 45.25	+ 1 6.4	1.306	2.206	13.5	18.8
2 11	10 37.34	+ 0 32.6	1.244	2.196	9.1	18.5
2 21	10 27.44	+ 0 14.8	1.208	2.186	5.0	18.2
3 2	10 16.83	+ 0 10.9	1.197	2.177	5.1	18.2
3 12	10 7.06	+ 0 16.5	1.211	2.169	9.3	18.4
3 22	9 59.42	+ 0 25.7	1.250	2.162	14.0	18.7
4 1	9 54.80	+ 0 33.1	1.308	2.156	18.1	18.9
502441 2015 BK_{277}			2 23.7	314°.21	1°.5/22.3	17
1 22	10 44.09	+10 41.5	1.854	2.703	12.8	21.2
2 1	10 40.14	+11 38.7	1.767	2.687	9.3	20.9
2 11	10 34.14	+12 47.6	1.705	2.672	5.3	20.6
2 21	10 26.72	+14 1.8	1.670	2.657	1.6	20.3
3 2	10 18.81	+15 13.8	1.664	2.643	4.3	20.5
3 12	10 11.49	+16 16.2	1.686	2.629	8.5	20.7
3 22	10 5.67	+17 3.8	1.732	2.615	12.4	20.9
4 1	10 2.06	+17 33.7	1.800	2.602	15.8	21.1
304653 2006 WF_{25}			2 23.7	219°.97	1°.7/21.6	18
1 22	10 44.30	+13 30.5	2.647	3.487	9.7	21.2
2 1	10 39.68	+14 21.5	2.567	3.483	7.0	21.0
2 11	10 33.60	+15 17.8	2.513	3.478	4.0	20.8
2 21	10 26.57	+16 14.8	2.489	3.474	1.7	20.6
3 2	10 19.27	+17 7.6	2.496	3.469	3.6	20.7
3 12	10 12.44	+17 51.9	2.532	3.464	6.6	20.9
3 22	10 6.70	+18 24.6	2.594	3.459	9.5	21.1
4 1	10 2.55	+18 44.5	2.681	3.454	11.9	21.3
108867 2001 OH_{100}			2 23.7	191°.71	2°.1/21.3	18
1 22	10 44.97	+13 34.9	2.402	3.245	10.5	20.0
2 1	10 40.28	+14 39.3	2.327	3.244	7.5	19.8
2 11	10 33.99	+15 50.0	2.277	3.243	4.3	19.6
2 21	10 26.66	+17 1.2	2.258	3.242	2.1	19.5
3 2	10 19.04	+18 7.0	2.268	3.240	4.1	19.6
3 12	10 11.95	+19 2.3	2.308	3.239	7.3	19.8
3 22	10 6.08	+19 43.6	2.375	3.237	10.3	20.0
4 1	10 1.97	+20 9.7	2.464	3.235	12.9	20.2
330464 2007 EJ_{159}			2 23.7	192°.74	0°.4/23.3	18
1 22	10 46.41	+ 7 41.0	2.010	2.843	12.6	21.3
2 1	10 41.58	+ 8 34.8	1.931	2.842	9.2	21.1
2 11	10 34.84	+ 9 41.1	1.878	2.841	5.3	20.9
2 21	10 26.86	+10 54.2	1.852	2.840	1.1	20.6
3 2	10 18.51	+12 7.5	1.856	2.838	3.3	20.7
3 12	10 10.79	+13 14.0	1.890	2.837	7.5	21.0
3 22	10 4.52	+14 8.7	1.949	2.834	11.2	21.2
4 1	10 0.33	+14 48.5	2.031	2.832	14.3	21.4
470933 2009 FY_{67}			2 23.7	306°.57	2°.7/21.1	17
1 22	10 45.71	+16 7.2	2.157	3.006	11.2	21.3
2 1	10 41.06	+16 51.9	2.072	2.993	8.1	21.0
2 11	10 34.55	+17 41.0	2.014	2.979	4.8	20.8
2 21	10 26.80	+18 28.9	1.984	2.966	2.7	20.6
3 2	10 18.66	+19 9.8	1.983	2.953	4.8	20.7
3 12	10 11.09	+19 38.7	2.010	2.940	8.2	20.9
3 22	10 4.90	+19 53.1	2.062	2.927	11.5	21.1
4 1	10 0.71	+19 52.1	2.136	2.915	14.4	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
223623 2004 JZ_{19}			2 23.7	277°.83	4°.3/20.3	18
	h m	° ′			°	m
1 22	10 50.26	+19 10.4	1.740	2.596	13.1	20.1
2 1	10 44.76	+20 2.1	1.664	2.586	9.6	19.9
2 11	10 36.85	+20 56.2	1.613	2.576	6.1	19.7
2 21	10 27.32	+21 45.0	1.588	2.565	4.3	19.5
3 2	10 17.31	+22 20.7	1.592	2.555	6.6	19.6
3 12	10 8.11	+22 38.2	1.622	2.545	10.4	19.8
3 22	10 0.78	+22 35.5	1.676	2.535	14.1	20.0
4 1	9 56.06	+22 13.7	1.750	2.525	17.3	20.2
329814 2004 RF_{95}			2 23.7	198°.93	1°.7/25.6	17
1 22	10 45.76	+ 0 49.9	2.357	3.159	12.0	21.6
2 1	10 40.89	+ 1 34.4	2.267	3.156	9.1	21.4
2 11	10 34.37	+ 2 34.5	2.202	3.152	5.8	21.2
2 21	10 26.76	+ 3 46.9	2.165	3.148	2.4	20.9
3 2	10 18.80	+ 5 6.3	2.159	3.143	2.7	20.9
3 12	10 11.33	+ 6 26.3	2.184	3.138	6.1	21.2
3 22	10 5.07	+ 7 41.2	2.237	3.132	9.5	21.4
4 1	10 0.58	+ 8 46.2	2.314	3.125	12.5	21.5
335926 2007 TG_{13}			2 23.7	119°.60	1°.3/22.3	18
1 22	10 47.48	+12 50.5	2.570	3.404	10.1	21.6
2 1	10 41.87	+13 24.3	2.506	3.419	7.3	21.4
2 11	10 34.79	+14 2.8	2.469	3.433	4.1	21.2
2 21	10 26.82	+14 41.6	2.461	3.447	1.4	21.0
3 2	10 18.71	+15 16.5	2.484	3.461	3.3	21.2
3 12	10 11.20	+15 43.9	2.537	3.474	6.4	21.4
3 22	10 4.93	+16 1.5	2.617	3.487	9.2	21.6
4 1	10 0.35	+16 8.2	2.721	3.500	11.7	21.8
337630 2001 TR_{93}			2 23.7	148°.36	2°.1/26.5	17
1 22	10 44.93	− 0 42.3	3.039	3.823	10.0	22.0
2 1	10 39.88	− 0 24.6	2.958	3.834	7.7	21.8
2 11	10 33.61	+ 0 4.8	2.903	3.844	5.1	21.7
2 21	10 26.58	+ 0 43.7	2.877	3.853	2.7	21.5
3 2	10 19.36	+ 1 29.2	2.882	3.862	2.5	21.5
3 12	10 12.58	+ 2 17.5	2.918	3.870	4.8	21.7
3 22	10 6.75	+ 3 4.7	2.983	3.878	7.4	21.9
4 1	10 2.29	+ 3 47.5	3.073	3.885	9.7	22.0
462913 2011 AJ_{9}			2 23.7	33°.39	1°.2/22.7	18
1 22	10 46.25	+ 9 49.4	1.440	2.295	15.4	20.7
2 1	10 41.91	+10 39.1	1.383	2.306	11.1	20.5
2 11	10 35.17	+11 41.2	1.350	2.318	6.3	20.3
2 21	10 26.94	+12 48.4	1.343	2.330	1.5	20.0
3 2	10 18.44	+13 51.7	1.362	2.343	4.5	20.2
3 12	10 10.96	+14 43.5	1.407	2.357	9.2	20.5
3 22	10 5.49	+15 18.8	1.476	2.371	13.5	20.8
4 1	10 2.65	+15 35.8	1.566	2.385	17.0	21.1
376655 2013 QB_{7}			2 23.7	219°.17	3°.1/26.8	17
1 22	10 45.82	− 2 23.0	2.030	2.826	13.9	21.4
2 1	10 41.18	− 1 55.1	1.941	2.821	10.8	21.2
2 11	10 34.65	− 1 7.2	1.874	2.816	7.3	20.9
2 21	10 26.85	− 0 2.2	1.835	2.811	4.0	20.7
3 2	10 18.62	+ 1 15.1	1.825	2.805	3.6	20.7
3 12	10 10.95	+ 2 37.4	1.843	2.800	6.8	20.9
3 22	10 4.68	+ 3 57.6	1.889	2.793	10.5	21.1
4 1	10 0.44	+ 5 9.5	1.959	2.787	13.7	21.3
219350 2000 QL_{228}			2 23.7	161°.39	2°.1/25.5	18
1 22	10 48.24	+ 2 34.1	1.939	2.754	13.7	20.3
2 1	10 42.94	+ 2 40.1	1.859	2.755	10.4	20.1
2 11	10 35.65	+ 3 0.8	1.803	2.756	6.6	19.9
2 21	10 27.05	+ 3 33.3	1.775	2.757	2.9	19.6
3 2	10 18.10	+ 4 13.3	1.775	2.758	3.2	19.7
3 12	10 9.83	+ 4 55.0	1.804	2.759	7.0	19.9
3 22	10 3.09	+ 5 33.5	1.859	2.760	10.8	20.1
4 1	9 58.53	+ 6 4.3	1.938	2.761	14.1	20.3
150176 1998 EL_{20}			2 23.7	344°.95	2°.0/22.7	18
1 22	10 51.63	+14 59.8	1.343	2.204	15.9	18.8
2 1	10 46.25	+14 48.0	1.268	2.193	11.7	18.5
2 11	10 37.92	+14 39.8	1.215	2.183	6.8	18.2
2 21	10 27.59	+14 29.9	1.187	2.174	2.2	17.9
3 2	10 16.69	+14 13.1	1.185	2.166	5.1	18.1
3 12	10 6.86	+13 45.7	1.209	2.159	10.3	18.3
3 22	9 59.38	+13 6.5	1.255	2.154	15.1	18.6
4 1	9 55.07	+12 16.0	1.322	2.150	19.1	18.8
496461 2014 QG_{415}			2 23.7	280°.01	1°.4/22.5	17
1 22	10 46.36	+ 8 18.1	1.478	2.328	15.3	21.5
2 1	10 42.25	+ 9 36.2	1.397	2.317	11.2	21.2
2 11	10 35.57	+11 13.0	1.339	2.307	6.4	20.9
2 21	10 27.09	+13 0.1	1.308	2.296	1.6	20.6
3 2	10 17.97	+14 46.4	1.305	2.285	4.9	20.8
3 12	10 9.59	+16 20.5	1.328	2.274	10.0	21.0
3 22	10 3.14	+17 34.7	1.375	2.263	14.7	21.3
4 1	9 59.45	+18 25.1	1.442	2.252	18.7	21.5

456721 2007 RK_{318} 2 23.7 137°.20 0°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 51.32	+ 8 58.5	1.903	2.733	13.3	22.5
2 1	10 45.11	+ 9 37.5	1.837	2.747	9.6	22.2
2 11	10 36.85	+10 26.6	1.796	2.759	5.5	22.0
2 21	10 27.32	+11 20.5	1.783	2.771	1.2	21.7
3 2	10 17.53	+12 12.7	1.800	2.782	3.5	21.9
3 12	10 8.58	+12 57.3	1.847	2.792	7.7	22.2
3 22	10 1.34	+13 30.5	1.919	2.802	11.4	22.5
4 1	9 56.39	+13 50.2	2.015	2.811	14.6	22.7

455826 2005 TQ_{14} 2 23.7 173°.57 10°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 6.90	+45 37.2	2.326	3.111	12.7	21.9
2 1	10 56.51	+46 38.7	2.282	3.114	11.4	21.9
2 11	10 43.38	+47 19.5	2.263	3.117	10.7	21.8
2 21	10 28.71	+47 31.6	2.270	3.119	10.9	21.8
3 2	10 14.04	+47 10.4	2.302	3.120	12.0	21.9
3 12	10 0.94	+46 17.0	2.358	3.121	13.5	22.0
3 22	9 50.48	+44 56.5	2.435	3.121	15.1	22.1
4 1	9 43.22	+43 15.6	2.531	3.120	16.5	22.3

327874 2007 AQ_{12} 2 23.7 324°.35 1°.2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.85	+ 9 19.5	1.535	2.389	14.7	20.1
2 1	10 41.03	+10 16.2	1.456	2.378	10.7	19.9
2 11	10 34.82	+11 28.0	1.399	2.367	6.1	19.6
2 21	10 26.94	+12 47.7	1.369	2.357	1.5	19.2
3 2	10 18.51	+14 6.1	1.366	2.347	4.5	19.4
3 12	10 10.81	+15 14.3	1.389	2.337	9.4	19.7
3 22	10 4.94	+16 5.9	1.436	2.329	13.9	19.9
4 1	10 1.68	+16 37.5	1.503	2.320	17.7	20.1

466178 2012 KA_{5} 2 23.7 166°.75 3°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.15	+18 38.4	2.308	3.155	10.7	21.1
2 1	10 42.65	+19 43.3	2.241	3.158	7.7	20.9
2 11	10 35.39	+20 50.1	2.201	3.162	4.8	20.7
2 21	10 27.02	+21 52.5	2.189	3.165	3.5	20.6
3 2	10 18.37	+22 44.4	2.208	3.167	5.4	20.8
3 12	10 10.37	+23 21.5	2.255	3.169	8.4	20.9
3 22	10 3.76	+23 41.8	2.328	3.171	11.2	21.1
4 1	9 59.11	+23 45.4	2.423	3.172	13.7	21.3

384925 2012 TY_{85} 2 23.7 27°.67 1°.6/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.35	+ 3 15.5	1.934	2.759	13.4	20.4
2 1	10 40.06	+ 3 35.5	1.864	2.766	10.0	20.2
2 11	10 33.96	+ 4 10.0	1.818	2.775	6.2	20.0
2 21	10 26.71	+ 4 55.4	1.799	2.783	2.4	19.8
3 2	10 19.20	+ 5 46.6	1.808	2.793	2.9	19.8
3 12	10 12.37	+ 6 37.5	1.846	2.802	6.8	20.1
3 22	10 7.01	+ 7 22.8	1.909	2.813	10.4	20.3
4 1	10 3.67	+ 7 58.6	1.996	2.823	13.5	20.5

200684 2001 TN_{215} 2 23.7 119°.21 1°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.03	+ 3 51.9	2.463	3.273	11.3	20.0
2 1	10 41.66	+ 3 56.2	2.386	3.280	8.5	19.9
2 11	10 34.74	+ 4 10.9	2.335	3.288	5.3	19.7
2 21	10 26.87	+ 4 33.7	2.312	3.296	2.1	19.5
3 2	10 18.77	+ 5 1.2	2.320	3.303	2.6	19.5
3 12	10 11.24	+ 5 29.5	2.357	3.310	5.8	19.7
3 22	10 4.93	+ 5 55.0	2.422	3.317	8.9	19.9
4 1	10 0.33	+ 6 14.7	2.511	3.324	11.6	20.1

289117 2004 TV_{355} 2 23.7 195°.31 4°.0/19.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.23	+20 28.7	2.372	3.218	10.4	20.9
2 1	10 42.75	+21 40.0	2.300	3.216	7.6	20.7
2 11	10 35.48	+22 52.3	2.255	3.213	5.0	20.5
2 21	10 27.05	+23 59.1	2.240	3.210	4.1	20.5
3 2	10 18.31	+24 54.0	2.254	3.206	5.9	20.6
3 12	10 10.15	+25 32.7	2.297	3.202	8.7	20.7
3 22	10 3.36	+25 53.4	2.366	3.197	11.5	20.9
4 1	9 58.51	+25 56.3	2.456	3.191	13.9	21.1

399634 2004 PS_{31} 2 23.7 186°.08 1°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.81	+10 1.6	1.807	2.646	13.5	21.5
2 1	10 44.28	+11 8.6	1.731	2.646	9.8	21.2
2 11	10 36.54	+12 27.6	1.680	2.646	5.5	21.0
2 21	10 27.31	+13 51.5	1.657	2.644	1.6	20.7
3 2	10 17.64	+15 11.9	1.664	2.643	4.3	20.9
3 12	10 8.71	+16 20.9	1.700	2.640	8.7	21.2
3 22	10 1.50	+17 13.7	1.761	2.637	12.6	21.4
4 1	9 56.69	+17 47.8	1.844	2.633	16.0	21.6

91569 1999 RX_{248} 2 23.7 9°.45 2°.8/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.79	− 0 51.8	1.673	2.490	15.4	19.0
2 1	10 39.97	− 0 20.7	1.596	2.491	11.9	18.8
2 11	10 34.06	+ 0 32.3	1.543	2.493	7.8	18.6
2 21	10 26.77	+ 1 43.5	1.514	2.494	3.8	18.3
3 2	10 19.08	+ 3 6.4	1.513	2.497	3.6	18.3
3 12	10 12.11	+ 4 32.2	1.540	2.500	7.5	18.6
3 22	10 6.79	+ 5 52.5	1.592	2.503	11.6	18.8
4 1	10 3.76	+ 7 1.0	1.666	2.507	15.2	19.0

213427 2001 XS_{137} 2 23.7 91°.19 0°.3/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 45.65	+ 8 28.1	2.433	3.261	10.8	21.2
2 1	10 40.64	+ 9 5.2	2.370	3.279	7.8	21.0
2 11	10 34.13	+ 9 50.6	2.333	3.296	4.5	20.8
2 21	10 26.75	+10 39.9	2.325	3.313	0.9	20.6
3 2	10 19.20	+11 28.5	2.347	3.330	2.7	20.8
3 12	10 12.26	+12 11.8	2.399	3.346	6.1	21.0
3 22	10 6.56	+12 46.7	2.479	3.362	9.1	21.2
4 1	10 2.55	+13 10.9	2.582	3.379	11.7	21.4

276425 2003 BQ_{26} 2 23.7 20°.95 6°.5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 5.22	+ 4 1.6	1.079	1.908	21.3	19.4
2 1	10 56.61	+ 1 39.4	1.015	1.914	16.6	19.1
2 11	10 44.10	− 0 33.0	0.973	1.921	11.4	18.9
2 21	10 29.00	− 2 29.5	0.955	1.930	7.1	18.6
3 2	10 13.32	− 4 4.4	0.965	1.939	7.5	18.7
3 12	9 59.31	− 5 16.8	1.000	1.950	12.0	19.0
3 22	9 48.65	− 6 9.9	1.058	1.961	16.8	19.3
4 1	9 42.18	− 6 49.9	1.135	1.974	20.9	19.6

109068 2001 QT_{21} 2 23.7 217°.55 0°.8/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.85	+10 25.7	2.359	3.186	11.2	20.6
2 1	10 43.92	+10 58.1	2.267	3.176	8.1	20.4
2 11	10 36.18	+11 38.4	2.202	3.165	4.7	20.1
2 21	10 27.23	+12 22.1	2.166	3.154	1.1	19.8
3 2	10 17.87	+13 4.4	2.161	3.142	3.2	20.0
3 12	10 9.02	+13 40.5	2.187	3.129	6.9	20.2
3 22	10 1.48	+14 7.0	2.239	3.115	10.3	20.4
4 1	9 55.86	+14 22.0	2.315	3.100	13.3	20.6

376613 2013 PP_{40} 2 23.7 147°.95 0°.6/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.51	+ 6 24.6	2.138	2.960	12.3	22.0
2 1	10 42.95	+ 6 45.2	2.062	2.966	9.1	21.8
2 11	10 35.59	+ 7 16.5	2.012	2.972	5.4	21.6
2 21	10 27.09	+ 7 54.9	1.990	2.977	1.5	21.4
3 2	10 18.30	+ 8 35.6	1.998	2.982	2.8	21.5
3 12	10 10.17	+ 9 13.6	2.035	2.986	6.7	21.7
3 22	10 3.47	+ 9 44.8	2.099	2.991	10.2	21.9
4 1	9 58.78	+10 6.4	2.187	2.994	13.2	22.2

195422 2002 GN_{46} 2 23.7 298°.54 3°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.45	+15 7.7	1.828	2.683	12.7	19.9
2 1	10 41.90	+16 9.4	1.749	2.672	9.2	19.7
2 11	10 35.20	+17 18.2	1.695	2.661	5.4	19.4
2 21	10 27.04	+18 26.9	1.668	2.650	3.0	19.2
3 2	10 18.40	+19 27.6	1.669	2.640	5.5	19.4
3 12	10 10.44	+20 13.7	1.698	2.630	9.4	19.6
3 22	10 4.11	+20 41.7	1.751	2.619	13.1	19.8
4 1	10 0.10	+20 50.5	1.825	2.609	16.3	20.0

84306 2002 TT_{40} 2 23.7 104°.96 0°.9/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.04	+10 13.3	2.267	3.102	11.3	19.6
2 1	10 41.07	+10 55.3	2.198	3.111	8.1	19.4
2 11	10 34.46	+11 45.3	2.156	3.121	4.6	19.2
2 21	10 26.84	+12 38.3	2.142	3.130	1.1	19.0
3 2	10 19.00	+13 29.1	2.158	3.139	3.2	19.2
3 12	10 11.78	+14 12.8	2.204	3.148	6.8	19.4
3 22	10 5.88	+14 45.9	2.276	3.156	10.0	19.6
4 1	10 1.82	+15 6.7	2.372	3.165	12.7	19.8

449153 2013 AK_{98} 2 23.7 97°.76 0°.2/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 55.08	+ 9 32.2	1.435	2.276	16.2	21.5
2 1	10 48.34	+ 9 39.9	1.375	2.289	11.9	21.3
2 11	10 38.92	+ 9 58.3	1.338	2.302	6.9	21.1
2 21	10 27.83	+10 22.1	1.327	2.315	1.4	20.7
3 2	10 16.48	+10 45.2	1.344	2.328	4.0	20.9
3 12	10 6.33	+11 1.7	1.388	2.340	9.1	21.3
3 22	9 58.51	+11 8.2	1.457	2.352	13.6	21.6
4 1	9 53.68	+11 2.8	1.547	2.364	17.3	21.8

96011 2004 PD_{6} 2 23.7 104°.63 1°.5/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.83	+ 1 39.8	1.757	2.569	15.0	20.4
2 1	10 44.78	+ 2 35.2	1.700	2.596	11.2	20.2
2 11	10 36.67	+ 3 48.8	1.668	2.623	6.8	20.0
2 21	10 27.32	+ 5 14.6	1.663	2.648	2.4	19.8
3 2	10 17.82	+ 6 44.7	1.688	2.673	3.1	19.9
3 12	10 9.27	+ 8 10.6	1.743	2.696	7.4	20.2
3 22	10 2.53	+ 9 25.5	1.824	2.719	11.3	20.5
4 1	9 58.15	+10 25.3	1.928	2.741	14.5	20.7

40853 1999 TA_{106} 2 23.7 110°.25 9°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.65	−23 19.7	2.221	2.878	16.7	19.1
2 1	10 40.98	−23 32.6	2.140	2.889	14.8	19.0
2 11	10 34.50	−23 15.9	2.077	2.901	12.7	18.9
2 21	10 26.87	−22 27.9	2.036	2.912	10.8	18.7
3 2	10 18.93	−21 9.7	2.019	2.922	9.6	18.7
3 12	10 11.63	−19 27.0	2.028	2.933	9.7	18.7
3 22	10 5.75	−17 28.0	2.064	2.943	10.9	18.8
4 1	10 1.86	−15 22.2	2.124	2.953	12.8	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
239540 2008 SG_{44}			2 23.7 77°.37		3°.3/26.3 18	
	h m	° ′			°	m
1 22	10 47.77	− 1 3.0	1.401	2.222	17.7	20.9
2 1	10 43.18	− 0 36.2	1.332	2.229	13.6	20.6
2 11	10 36.05	+ 0 15.9	1.285	2.236	8.9	20.4
2 21	10 27.24	+ 1 29.2	1.262	2.243	4.4	20.1
3 2	10 17.99	+ 2 55.9	1.266	2.250	4.2	20.1
3 12	10 9.69	+ 4 25.4	1.296	2.256	8.6	20.4
3 22	10 3.46	+ 5 48.0	1.351	2.263	13.2	20.7
4 1	10 0.01	+ 6 56.6	1.427	2.270	17.1	21.0
271305 2003 UJ_{348}			2 23.7 300°.77		1°.7/22.2 17	
1 22	10 46.56	+12 13.1	1.928	2.774	12.5	20.9
2 1	10 41.83	+12 57.3	1.849	2.768	9.0	20.7
2 11	10 35.09	+13 49.8	1.795	2.762	5.1	20.4
2 21	10 27.02	+14 44.8	1.769	2.755	1.8	20.2
3 2	10 18.56	+15 35.8	1.771	2.749	4.2	20.3
3 12	10 10.74	+16 16.8	1.802	2.743	8.2	20.5
3 22	10 4.47	+16 44.2	1.858	2.737	11.9	20.8
4 1	10 0.38	+16 56.2	1.935	2.732	15.1	21.0
177877 2005 QB_{95}			2 23.7 186°.84		0°.6/23.0 18	
1 22	10 45.31	+10 25.3	3.050	3.875	8.9	21.7
2 1	10 40.24	+10 55.2	2.966	3.874	6.5	21.5
2 11	10 33.89	+11 30.7	2.910	3.873	3.7	21.3
2 21	10 26.74	+12 8.7	2.884	3.872	0.8	21.1
3 2	10 19.37	+12 45.4	2.890	3.870	2.5	21.2
3 12	10 12.42	+13 17.7	2.926	3.868	5.4	21.4
3 22	10 6.43	+13 42.8	2.990	3.865	8.0	21.6
4 1	10 1.83	+13 59.3	3.079	3.862	10.3	21.7
352653 2008 QE_{17}			2 23.7 100°.85		0°.4/23.5 18	
1 22	10 53.63	+ 8 38.0	1.522	2.360	15.6	21.5
2 1	10 47.10	+ 9 10.1	1.467	2.380	11.4	21.3
2 11	10 38.13	+ 9 54.3	1.436	2.400	6.5	21.1
2 21	10 27.68	+10 44.2	1.432	2.419	1.4	20.8
3 2	10 17.04	+11 32.4	1.456	2.438	3.9	21.0
3 12	10 7.55	+12 12.2	1.507	2.457	8.7	21.3
3 22	10 0.23	+12 39.4	1.584	2.475	13.0	21.6
4 1	9 55.67	+12 52.0	1.682	2.492	16.4	21.9
466155 2012 HW_{66}			2 23.7 224°.90		5°.2/29.1 17	
1 22	10 46.39	− 8 39.2	2.315	3.070	13.6	21.8
2 1	10 41.49	− 8 38.6	2.216	3.060	11.2	21.6
2 11	10 34.84	− 8 17.6	2.139	3.051	8.5	21.5
2 21	10 26.99	− 7 36.5	2.088	3.041	6.0	21.3
3 2	10 18.70	− 6 37.9	2.066	3.030	5.2	21.2
3 12	10 10.87	− 5 26.9	2.072	3.019	6.9	21.3
3 22	10 4.26	− 4 10.1	2.106	3.008	9.7	21.4
4 1	9 59.49	− 2 54.0	2.165	2.996	12.5	21.6
419642 2010 TY_{25}			2 23.7 237°.99		2°.5/25.7 18	
1 22	10 48.07	+ 1 14.1	1.713	2.530	15.1	21.5
2 1	10 43.14	+ 1 28.9	1.630	2.526	11.6	21.3
2 11	10 35.96	+ 2 2.3	1.570	2.522	7.5	21.0
2 21	10 27.25	+ 2 51.3	1.536	2.517	3.4	20.8
3 2	10 18.04	+ 3 50.3	1.529	2.513	3.6	20.8
3 12	10 9.54	+ 4 52.0	1.551	2.508	7.8	21.0
3 22	10 2.74	+ 5 49.5	1.598	2.503	12.0	21.2
4 1	9 58.36	+ 6 37.2	1.668	2.498	15.6	21.5
372605 2009 VH_{5}			2 23.7 119°.78		3°.1/21.1 18	
1 22	10 49.49	+16 46.4	1.924	2.773	12.4	20.7
2 1	10 43.90	+17 30.8	1.857	2.777	8.9	20.5
2 11	10 36.24	+18 18.5	1.815	2.780	5.3	20.3
2 21	10 27.28	+19 3.2	1.802	2.783	3.1	20.1
3 2	10 18.03	+19 38.4	1.817	2.786	5.3	20.3
3 12	10 9.58	+19 59.7	1.860	2.789	8.8	20.5
3 22	10 2.81	+20 5.1	1.927	2.792	12.3	20.7
4 1	9 58.33	+19 54.6	2.017	2.795	15.2	20.9
140185 2001 SV_{206}			2 23.7 134°.88		2°.2/26.3 18	
1 22	10 43.53	− 0 40.2	2.308	3.109	12.3	20.1
2 1	10 39.31	− 0 1.3	2.224	3.110	9.4	19.9
2 11	10 33.51	+ 0 54.1	2.165	3.112	6.1	19.7
2 21	10 26.68	+ 2 2.9	2.133	3.113	3.0	19.5
3 2	10 19.57	+ 3 20.0	2.131	3.114	2.8	19.5
3 12	10 12.96	+ 4 39.0	2.159	3.116	6.0	19.7
3 22	10 7.55	+ 5 54.1	2.215	3.117	9.3	19.9
4 1	10 3.87	+ 7 0.3	2.295	3.118	12.2	20.1
365165 2009 DH_{129}			2 23.7 333°.99		0°.6/24.1 16	
1 22	10 46.84	+ 6 32.1	1.307	2.159	16.9	21.0
2 1	10 42.83	+ 6 52.7	1.231	2.149	12.6	20.8
2 11	10 36.03	+ 7 31.0	1.176	2.141	7.5	20.4
2 21	10 27.29	+ 8 21.7	1.145	2.133	1.9	20.1
3 2	10 17.92	+ 9 16.9	1.140	2.125	4.0	20.2
3 12	10 9.44	+10 7.8	1.161	2.119	9.6	20.5
3 22	10 3.12	+10 47.2	1.204	2.113	14.7	20.7
4 1	9 59.81	+11 10.7	1.266	2.108	19.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
266799 2009 SG_{338}			2 23.8 197°.09		0°.9/24.7 17	
	h m	° ′			°	m
1 22	10 47.59	+ 4 23.4	2.452	3.262	11.3	21.7
2 1	10 42.20	+ 4 56.1	2.362	3.259	8.4	21.5
2 11	10 35.17	+ 5 40.7	2.299	3.255	5.1	21.3
2 21	10 27.06	+ 6 33.7	2.265	3.250	1.6	21.0
3 2	10 18.61	+ 7 30.5	2.261	3.245	2.5	21.1
3 12	10 10.65	+ 8 25.9	2.288	3.239	6.1	21.3
3 22	10 3.89	+ 9 15.6	2.343	3.232	9.4	21.5
4 1	9 58.89	+ 9 56.0	2.423	3.225	12.2	21.7
417050 2005 UG_{161}			2 23.8 147°.31		1°.0/22.6 18	
1 22	10 48.34	+10 24.6	2.553	3.379	10.4	22.2
2 1	10 42.58	+11 17.3	2.483	3.392	7.5	22.1
2 11	10 35.30	+12 17.2	2.441	3.405	4.2	21.9
2 21	10 27.08	+13 19.3	2.429	3.416	1.1	21.7
3 2	10 18.65	+14 18.5	2.449	3.427	3.1	21.8
3 12	10 10.80	+15 10.2	2.499	3.437	6.4	22.1
3 22	10 4.18	+15 51.1	2.577	3.446	9.4	22.3
4 1	9 59.28	+16 19.5	2.679	3.455	11.9	22.5
492428 2014 MH_{14}			2 23.8 233°.73		2°.4/25.4 18	
1 22	10 51.65	+ 2 46.1	1.696	2.514	15.3	21.5
2 1	10 45.86	+ 2 44.5	1.608	2.505	11.6	21.2
2 11	10 37.61	+ 2 59.0	1.542	2.495	7.4	21.0
2 21	10 27.65	+ 3 27.1	1.503	2.485	3.2	20.7
3 2	10 17.08	+ 4 4.3	1.492	2.475	3.7	20.7
3 12	10 7.20	+ 4 44.3	1.509	2.464	8.1	20.9
3 22	9 59.11	+ 5 21.2	1.552	2.453	12.5	21.1
4 1	9 53.63	+ 5 50.2	1.616	2.442	16.3	21.4
138290 2000 GW_{33}			2 23.8 11°.62		0°.2/23.9 18	
1 22	10 47.88	+ 7 30.7	1.462	2.309	15.7	19.8
2 1	10 43.22	+ 7 51.5	1.393	2.310	11.6	19.5
2 11	10 36.08	+ 8 26.5	1.347	2.312	6.8	19.3
2 21	10 27.29	+ 9 10.5	1.326	2.314	1.6	18.9
3 2	10 18.09	+ 9 56.5	1.332	2.316	3.8	19.1
3 12	10 9.82	+10 37.0	1.364	2.320	8.8	19.4
3 22	10 3.55	+11 6.8	1.421	2.323	13.3	19.7
4 1	10 0.00	+11 22.5	1.497	2.328	17.1	19.9
474108 2016 LS_{25}			2 23.8 130°.86		7°.6/13.7 17	
1 22	10 49.07	+35 19.7	2.562	3.396	10.2	21.2
2 1	10 43.39	+36 49.0	2.520	3.404	8.5	21.1
2 11	10 35.87	+38 7.8	2.505	3.412	7.6	21.0
2 21	10 27.21	+39 9.3	2.517	3.419	7.9	21.0
3 2	10 18.33	+39 48.4	2.556	3.427	9.2	21.1
3 12	10 10.18	+40 3.2	2.620	3.434	10.9	21.3
3 22	10 3.54	+39 54.7	2.706	3.441	12.7	21.4
4 1	9 58.97	+39 25.8	2.810	3.447	14.2	21.5
503608 2016 GZ_{107}			2 23.8 260°.53		2°.9/21.1 17	
1 22	10 48.92	+16 19.8	2.059	2.906	11.8	22.2
2 1	10 43.56	+17 7.2	1.973	2.891	8.6	22.0
2 11	10 36.13	+17 59.3	1.912	2.876	5.1	21.7
2 21	10 27.31	+18 49.9	1.879	2.861	2.9	21.6
3 2	10 18.01	+19 32.5	1.876	2.845	5.1	21.7
3 12	10 9.31	+20 2.1	1.901	2.829	8.7	21.8
3 22	10 2.11	+20 15.8	1.951	2.813	12.2	22.0
4 1	9 57.10	+20 13.0	2.023	2.797	15.3	22.2
500528 2012 TC_{314}			2 23.8 123°.97		1°.0/22.6 17	
1 22	10 45.73	+10 59.3	2.741	3.571	9.7	22.4
2 1	10 40.60	+11 45.8	2.675	3.586	6.9	22.2
2 11	10 34.12	+12 38.2	2.637	3.601	3.9	22.0
2 21	10 26.82	+13 32.4	2.628	3.615	1.1	21.9
3 2	10 19.36	+14 23.8	2.651	3.630	2.9	22.0
3 12	10 12.43	+15 8.2	2.704	3.643	5.9	22.2
3 22	10 6.60	+15 43.1	2.785	3.657	8.7	22.4
4 1	10 2.32	+16 6.8	2.890	3.669	11.0	22.6
505005 2011 MA_{9}			2 23.8 179°.39		4°.6/29.3 17	
1 22	10 46.09	− 9 0.3	3.021	3.757	11.1	22.3
2 1	10 40.85	− 9 15.0	2.927	3.759	9.1	22.1
2 11	10 34.30	− 9 14.7	2.858	3.759	7.0	22.0
2 21	10 26.87	− 8 59.5	2.816	3.760	5.2	21.9
3 2	10 19.19	− 8 31.1	2.804	3.760	4.6	21.8
3 12	10 11.89	− 7 52.4	2.821	3.759	5.8	21.9
3 22	10 5.54	− 7 7.7	2.867	3.758	7.8	22.0
4 1	10 0.62	− 6 21.1	2.938	3.757	9.9	22.2
82687 2001 PO_{33}			2 23.8 44°.99		7°.6/17.9 18	
1 22	10 53.77	+29 47.9	1.728	2.579	13.4	18.4
2 1	10 46.96	+30 45.1	1.701	2.608	10.5	18.3
2 11	10 37.88	+31 31.1	1.699	2.638	8.2	18.2
2 21	10 27.62	+31 58.1	1.722	2.668	7.7	18.3
3 2	10 17.47	+32 1.1	1.773	2.698	9.3	18.4
3 12	10 8.68	+31 39.2	1.848	2.729	11.8	18.6
3 22	10 2.10	+30 55.5	1.946	2.759	14.3	18.9
4 1	9 58.17	+29 54.3	2.064	2.790	16.4	19.1

373136 2011 YF_6 2 23.8 353°.29 27°.1/ 1.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.32	−52 33.5	1.558	1.982	29.3	19.7
2 1	10 46.48	−56 2.3	1.505	1.975	29.1	19.6
2 11	10 39.33	−58 49.9	1.459	1.969	28.9	19.6
2 21	10 28.28	−60 46.2	1.416	1.965	28.6	19.5
3 2	10 14.94	−61 42.4	1.379	1.962	28.2	19.4
3 12	10 2.07	−61 35.2	1.346	1.960	27.8	19.3
3 22	9 52.51	−60 27.0	1.320	1.960	27.4	19.3
4 1	9 48.29	−58 25.2	1.300	1.962	27.1	19.2

301847 1994 AE_5 2 23.8 96°.54 0°.1/23.8 18

1 22	10 52.42	+ 7 30.8	1.645	2.478	14.9	21.6
2 1	10 46.08	+ 8 3.7	1.591	2.501	10.9	21.4
2 11	10 37.50	+ 8 49.0	1.560	2.523	6.3	21.2
2 21	10 27.58	+ 9 40.9	1.557	2.545	1.4	20.9
3 2	10 17.51	+10 32.3	1.583	2.566	3.5	21.1
3 12	10 8.50	+11 16.8	1.637	2.587	8.1	21.4
3 22	10 1.46	+11 50.0	1.716	2.608	12.1	21.7
4 1	9 56.97	+12 9.6	1.818	2.627	15.4	21.9

280200 2002 TN_{54} 2 23.8 164°.00 3°.3/21.2 18

1 22	10 54.83	+16 15.2	1.734	2.579	13.7	21.0
2 1	10 47.99	+17 7.4	1.668	2.585	9.9	20.8
2 11	10 38.72	+18 4.0	1.627	2.591	5.9	20.6
2 21	10 27.89	+18 57.3	1.614	2.595	3.3	20.4
3 2	10 16.71	+19 39.8	1.630	2.599	5.7	20.6
3 12	10 6.51	+20 6.0	1.674	2.602	9.7	20.8
3 22	9 58.32	+20 14.0	1.743	2.605	13.5	21.1
4 1	9 52.81	+20 4.3	1.832	2.606	16.6	21.3

60082 1999 TL_{150} 2 23.8 266°.77 1°.5/22.5 18 R

1 22	10 48.16	+12 12.5	1.963	2.806	12.4	19.2
2 1	10 42.97	+12 45.9	1.885	2.802	9.0	19.0
2 11	10 35.77	+13 26.7	1.832	2.797	5.1	18.8
2 21	10 27.24	+14 9.8	1.806	2.793	1.6	18.5
3 2	10 18.34	+14 49.1	1.810	2.788	4.0	18.7
3 12	10 10.12	+15 19.5	1.841	2.784	8.0	18.9
3 22	10 3.44	+15 37.7	1.899	2.779	11.7	19.1
4 1	9 58.96	+15 42.2	1.978	2.775	14.8	19.3

100135 1993 RR_{16} 2 23.8 167°.83 0°.2/23.9 18

1 22	10 49.21	+ 7 14.0	2.201	3.023	12.0	21.5
2 1	10 43.48	+ 7 45.1	2.123	3.028	8.8	21.3
2 11	10 35.95	+ 8 26.6	2.071	3.032	5.1	21.1
2 21	10 27.27	+ 9 14.3	2.047	3.035	1.2	20.8
3 2	10 18.29	+10 3.1	2.055	3.038	2.9	21.0
3 12	10 9.94	+10 47.7	2.091	3.040	6.7	21.2
3 22	10 2.99	+11 24.0	2.155	3.041	10.2	21.4
4 1	9 58.02	+11 49.6	2.243	3.042	13.2	21.6

243769 2000 RP_{78} 2 23.8 200°.94 1°.7/25.3 18

1 22	10 48.88	+ 2 2.5	1.818	2.633	14.5	21.6
2 1	10 43.65	+ 2 37.1	1.733	2.630	11.0	21.4
2 11	10 36.25	+ 3 30.0	1.672	2.627	6.9	21.1
2 21	10 27.37	+ 4 37.0	1.639	2.623	2.7	20.9
3 2	10 18.01	+ 5 51.9	1.634	2.618	3.2	20.9
3 12	10 9.32	+ 7 6.8	1.658	2.613	7.6	21.1
3 22	10 2.26	+ 8 14.6	1.708	2.607	11.7	21.4
4 1	9 57.53	+ 9 10.2	1.782	2.601	15.3	21.6

455191 2000 QL_{110} 2 23.8 134°.03 0°.9/24.5 18

1 22	10 52.40	+ 5 19.4	1.944	2.761	13.6	22.2
2 1	10 45.89	+ 5 42.4	1.877	2.777	10.1	22.0
2 11	10 37.36	+ 6 17.9	1.835	2.792	6.0	21.8
2 21	10 27.58	+ 7 1.8	1.821	2.807	1.8	21.6
3 2	10 17.57	+ 7 48.6	1.837	2.820	3.0	21.7
3 12	10 8.39	+ 8 32.5	1.882	2.833	7.1	22.0
3 22	10 0.89	+ 9 9.1	1.955	2.845	10.9	22.2
4 1	9 55.67	+ 9 35.2	2.050	2.857	14.0	22.4

221277 2005 US_{340} 2 23.8 162°.69 0°.1/23.7 18

1 22	10 47.80	+ 7 26.8	2.251	3.075	11.7	21.4
2 1	10 42.43	+ 8 9.4	2.174	3.081	8.6	21.2
2 11	10 35.34	+ 9 2.4	2.124	3.086	4.9	21.0
2 21	10 27.14	+10 1.3	2.102	3.090	1.1	20.7
3 2	10 18.66	+11 0.6	2.111	3.094	2.9	20.9
3 12	10 10.79	+11 54.8	2.150	3.097	6.7	21.1
3 22	10 4.25	+12 39.6	2.216	3.100	10.1	21.3
4 1	9 59.61	+13 12.5	2.305	3.102	12.9	21.5

309295 2007 RX_{228} 2 23.8 109°.79 1°.1/22.8 18

1 22	10 51.39	+ 9 59.5	1.715	2.553	14.1	21.0
2 1	10 45.34	+10 48.8	1.657	2.572	10.2	20.8
2 11	10 37.10	+11 48.4	1.624	2.589	5.8	20.6
2 21	10 27.53	+12 51.4	1.619	2.607	1.4	20.3
3 2	10 17.74	+13 50.5	1.643	2.623	4.0	20.5
3 12	10 8.93	+14 39.1	1.695	2.640	8.4	20.8
3 22	10 1.99	+15 13.3	1.773	2.655	12.2	21.1
4 1	9 57.53	+15 31.5	1.872	2.670	15.5	21.3

402984 2007 VZ_{58} 2 23.8 93°.28 3°.2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 53.02	+15 58.8	1.633	2.483	14.1	21.2
2 1	10 46.59	+16 48.3	1.582	2.502	10.2	21.0
2 11	10 37.83	+17 41.7	1.556	2.521	6.0	20.8
2 21	10 27.68	+18 31.4	1.557	2.539	3.2	20.7
3 2	10 17.38	+19 9.9	1.587	2.558	5.6	20.9
3 12	10 8.21	+19 32.5	1.643	2.576	9.6	21.2
3 22	10 1.10	+19 37.5	1.725	2.593	13.3	21.4
4 1	9 56.65	+19 25.5	1.827	2.610	16.3	21.7

16052 1999 JX_{36} 2 23.8 109°.66 5°.1/29.0 18

1 22	10 47.67	− 8 11.8	2.154	2.913	14.4	18.4
2 1	10 42.34	− 8 8.1	2.082	2.931	11.6	18.2
2 11	10 35.27	− 7 43.3	2.034	2.949	8.6	18.1
2 21	10 27.12	− 6 58.7	2.011	2.967	6.0	17.9
3 2	10 18.75	− 5 57.8	2.017	2.984	5.1	17.9
3 12	10 11.06	− 4 46.7	2.052	3.000	6.9	18.1
3 22	10 4.78	− 3 32.3	2.114	3.016	9.6	18.3
4 1	10 0.44	− 2 20.8	2.201	3.032	12.3	18.5

497279 2005 QS_{116} 2 23.8 154°.80 0°.1/23.8 18

1 22	10 48.50	+ 7 15.1	2.203	3.027	12.0	22.3
2 1	10 42.95	+ 7 53.9	2.129	3.035	8.7	22.1
2 11	10 35.64	+ 8 43.3	2.080	3.041	5.1	21.9
2 21	10 27.21	+ 9 38.8	2.060	3.048	1.1	21.7
3 2	10 18.51	+10 34.8	2.071	3.054	2.9	21.8
3 12	10 10.45	+11 26.0	2.111	3.059	6.7	22.1
3 22	10 3.78	+12 8.1	2.178	3.064	10.2	22.3
4 1	9 59.05	+12 38.5	2.269	3.068	13.1	22.5

152870 1999 YK_8 2 23.8 85°.17 0°.4/23.5 17

1 22	10 53.89	+ 8 5.3	1.361	2.203	16.9	21.3
2 1	10 47.46	+ 8 46.2	1.313	2.229	12.2	21.1
2 11	10 38.41	+ 9 41.0	1.289	2.254	7.0	20.8
2 21	10 27.81	+10 42.2	1.290	2.278	1.5	20.5
3 2	10 17.09	+11 41.0	1.320	2.303	4.2	20.8
3 12	10 7.70	+12 29.7	1.376	2.326	9.3	21.1
3 22	10 0.68	+13 3.4	1.456	2.350	13.7	21.5
4 1	9 56.61	+13 20.5	1.556	2.372	17.3	21.7

430825 2005 GX_{154} 2 23.8 9°.23 4°.7/19.6 18

1 22	10 48.74	+21 44.4	1.939	2.794	12.0	20.7
2 1	10 43.41	+22 34.2	1.875	2.794	8.9	20.5
2 11	10 36.01	+23 23.1	1.836	2.795	5.9	20.3
2 21	10 27.30	+24 3.9	1.825	2.796	4.7	20.2
3 2	10 18.32	+24 30.4	1.842	2.798	6.7	20.4
3 12	10 10.16	+24 39.0	1.886	2.800	9.8	20.6
3 22	10 3.69	+24 28.8	1.954	2.802	12.9	20.7
4 1	9 59.53	+24 1.2	2.043	2.804	15.6	20.9

243112 2007 RW_{140} 2 23.8 217°.97 1°.0/24.7 18

1 22	10 48.79	+ 3 45.4	1.821	2.642	14.2	21.2
2 1	10 43.63	+ 4 26.6	1.733	2.636	10.6	21.0
2 11	10 36.27	+ 5 25.1	1.670	2.628	6.5	20.7
2 21	10 27.40	+ 6 36.3	1.634	2.620	2.0	20.4
3 2	10 18.01	+ 7 53.4	1.627	2.612	3.2	20.5
3 12	10 9.24	+ 9 8.4	1.649	2.602	7.7	20.7
3 22	10 2.10	+10 14.4	1.697	2.593	12.0	20.9
4 1	9 57.30	+11 6.8	1.768	2.583	15.6	21.2

140582 2001 TW_{225} 2 23.8 96°.95 10°.1/ 9.8 18

1 22	10 53.45	+45 24.8	2.499	3.300	11.4	19.9
2 1	10 46.81	+47 5.7	2.482	3.318	10.4	19.8
2 11	10 37.94	+48 27.9	2.490	3.335	10.1	19.8
2 21	10 27.72	+49 24.5	2.522	3.352	10.6	19.9
3 2	10 17.32	+49 51.3	2.578	3.369	11.6	20.0
3 12	10 7.97	+49 48.4	2.656	3.386	12.9	20.1
3 22	10 0.58	+49 18.8	2.752	3.402	14.2	20.3
4 1	9 55.72	+48 27.3	2.863	3.418	15.3	20.4

90267 2003 CW_6 2 23.8 350°.55 2°.7/20.7 18

1 22	10 44.42	+15 11.6	2.216	3.066	10.9	19.2
2 1	10 40.08	+16 19.7	2.145	3.065	7.8	19.0
2 11	10 34.04	+17 33.3	2.099	3.064	4.6	18.8
2 21	10 26.88	+18 46.0	2.082	3.064	2.7	18.7
3 2	10 19.42	+19 51.4	2.095	3.063	4.8	18.8
3 12	10 12.54	+20 43.9	2.136	3.063	8.0	19.0
3 22	10 6.98	+21 20.5	2.203	3.062	11.1	19.2
4 1	10 3.30	+21 40.0	2.291	3.062	13.8	19.4

423650 2005 YY_{22} 2 23.8 347°.72 6°.5/28.1 17

1 22	10 48.55	− 5 33.9	1.667	2.456	16.7	20.4
2 1	10 43.61	− 6 24.9	1.585	2.452	13.6	20.1
2 11	10 36.33	− 6 55.3	1.523	2.448	10.2	19.9
2 21	10 27.42	− 7 3.8	1.486	2.445	7.3	19.7
3 2	10 17.97	− 6 51.5	1.475	2.442	6.6	19.7
3 12	10 9.22	− 6 23.0	1.490	2.440	8.8	19.8
3 22	10 2.21	− 5 44.9	1.530	2.438	12.2	20.0
4 1	9 57.73	− 5 4.5	1.592	2.437	15.6	20.2

266742 2009 SJ_{43} 2 23.8 68°.63 1°.5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.40	+ 4 17.3	1.800	2.625	14.2	20.6
2 1	10 43.16	+ 4 28.4	1.732	2.634	10.6	20.4
2 11	10 35.87	+ 4 53.6	1.687	2.644	6.5	20.1
2 21	10 27.29	+ 5 29.2	1.668	2.653	2.4	19.9
3 2	10 18.41	+ 6 10.3	1.679	2.663	3.1	20.0
3 12	10 10.34	+ 6 50.6	1.717	2.673	7.3	20.2
3 22	10 3.93	+ 7 25.4	1.781	2.682	11.2	20.5
4 1	9 59.80	+ 7 50.8	1.868	2.692	14.5	20.7

473518 2015 XN_{146} 2 23.8 149°.15 2°.1/22.1 18

1 22	10 49.84	+11 31.0	1.467	2.319	15.3	21.4
2 1	10 44.72	+12 31.7	1.400	2.321	11.1	21.1
2 11	10 37.01	+13 44.4	1.356	2.323	6.3	20.9
2 21	10 27.57	+15 0.6	1.338	2.325	2.2	20.6
3 2	10 17.68	+16 10.8	1.348	2.326	5.2	20.8
3 12	10 8.74	+17 6.5	1.385	2.328	10.0	21.1
3 22	10 1.90	+17 42.9	1.445	2.329	14.4	21.3
4 1	9 57.88	+17 58.7	1.525	2.330	18.1	21.6

224494 2005 WN_{9} 2 23.8 9°.27 0°.5/24.2 18

1 22	10 47.20	+ 6 34.6	1.678	2.516	14.4	20.7
2 1	10 42.51	+ 6 58.6	1.604	2.516	10.7	20.5
2 11	10 35.60	+ 7 36.4	1.554	2.517	6.3	20.2
2 21	10 27.26	+ 8 23.4	1.531	2.518	1.6	19.9
3 2	10 18.52	+ 9 13.1	1.535	2.519	3.4	20.1
3 12	10 10.56	+ 9 58.8	1.567	2.521	8.0	20.3
3 22	10 4.34	+10 35.3	1.623	2.523	12.1	20.6
4 1	10 0.53	+10 59.1	1.701	2.525	15.7	20.8

197518 2004 CJ_{106} 2 23.8 237°.53 4°.3/27.8 17 R

1 22	10 47.41	− 4 35.5	2.416	3.188	12.6	20.1
2 1	10 42.15	− 4 58.3	2.322	3.183	10.1	19.9
2 11	10 35.21	− 5 5.8	2.253	3.177	7.4	19.7
2 21	10 27.16	− 4 58.3	2.211	3.172	5.0	19.5
3 2	10 18.73	− 4 37.7	2.198	3.167	4.5	19.5
3 12	10 10.77	− 4 7.5	2.213	3.161	6.5	19.6
3 22	10 4.00	− 3 32.3	2.257	3.156	9.2	19.8
4 1	9 59.01	− 2 56.7	2.324	3.150	11.9	19.9

76346 2000 EV_{157} 2 23.8 207°.05 0°.1/23.9 18

1 22	10 48.43	+ 8 32.1	2.352	3.177	11.3	19.4
2 1	10 42.87	+ 8 43.6	2.268	3.174	8.3	19.2
2 11	10 35.60	+ 9 3.0	2.210	3.171	4.8	18.9
2 21	10 27.24	+ 9 27.0	2.181	3.168	1.1	18.7
3 2	10 18.57	+ 9 51.8	2.182	3.165	2.7	18.8
3 12	10 10.46	+10 13.4	2.213	3.162	6.4	19.0
3 22	10 3.64	+10 28.8	2.271	3.158	9.7	19.2
4 1	9 58.67	+10 35.8	2.353	3.155	12.6	19.4

363767 2005 EZ_{85} 2 23.8 287°.13 1°.7/22.5 18

1 22	10 48.55	+11 15.5	1.565	2.416	14.6	20.7
2 1	10 43.83	+12 1.2	1.481	2.402	10.7	20.4
2 11	10 36.57	+12 58.8	1.420	2.387	6.1	20.1
2 21	10 27.51	+14 1.7	1.386	2.373	1.9	19.8
3 2	10 17.81	+15 1.3	1.379	2.359	4.8	20.0
3 12	10 8.84	+15 49.8	1.399	2.344	9.7	20.2
3 22	10 1.76	+16 22.0	1.443	2.330	14.2	20.4
4 1	9 57.39	+16 35.6	1.507	2.316	18.0	20.6

222345 2000 WJ_{51} 2 23.8 182°.18 3°.1/20.9 17

1 22	10 49.02	+16 44.5	2.038	2.886	11.8	21.0
2 1	10 43.54	+17 35.5	1.967	2.886	8.6	20.8
2 11	10 36.08	+18 30.0	1.922	2.886	5.1	20.5
2 21	10 27.35	+19 21.9	1.905	2.886	3.1	20.4
3 2	10 18.31	+20 4.7	1.918	2.886	5.2	20.5
3 12	10 9.97	+20 33.6	1.958	2.885	8.6	20.8
3 22	10 3.21	+20 46.4	2.024	2.884	11.9	21.0
4 1	9 58.61	+20 43.0	2.112	2.883	14.8	21.1

26584 2000 EF_{114} 2 23.8 239°.49 3°.3/27.2 18

1 22	10 45.15	− 2 38.2	2.237	3.027	12.9	18.3
2 1	10 40.59	− 2 28.7	2.148	3.024	10.1	18.1
2 11	10 34.35	− 2 2.1	2.083	3.021	7.0	17.9
2 21	10 26.97	− 1 20.3	2.046	3.018	4.1	17.7
3 2	10 19.25	− 0 27.0	2.037	3.015	3.7	17.7
3 12	10 12.04	+ 0 32.5	2.057	3.012	6.3	17.8
3 22	10 6.08	+ 1 32.4	2.104	3.008	9.5	18.0
4 1	10 1.95	+ 2 27.5	2.175	3.005	12.5	18.2

157238 2004 RJ_{93} 2 23.8 62°.62 3°.2/26.8 18

1 22	10 45.89	− 2 7.0	1.754	2.560	15.3	19.9
2 1	10 41.35	− 1 38.5	1.690	2.576	11.8	19.7
2 11	10 34.83	− 0 48.8	1.648	2.593	7.9	19.5
2 21	10 27.08	+ 0 18.5	1.632	2.609	4.2	19.3
3 2	10 19.08	+ 1 37.0	1.644	2.626	3.7	19.3
3 12	10 11.88	+ 2 58.5	1.684	2.643	7.1	19.6
3 22	10 6.32	+ 4 15.5	1.751	2.659	10.9	19.8
4 1	10 2.97	+ 5 21.9	1.840	2.676	14.2	20.1

413078 2001 SZ_{321} 2 23.8 80°.57 3°.3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.97	− 0 21.8	1.765	2.571	15.2	20.9
2 1	10 44.28	− 0 26.3	1.702	2.589	11.7	20.7
2 11	10 36.51	− 0 12.9	1.661	2.606	7.8	20.5
2 21	10 27.45	+ 0 16.0	1.646	2.624	4.2	20.4
3 2	10 18.15	+ 0 55.9	1.660	2.641	3.9	20.4
3 12	10 9.73	+ 1 40.6	1.702	2.658	7.3	20.6
3 22	10 3.06	+ 2 24.2	1.770	2.675	11.0	20.9
4 1	9 58.72	+ 3 1.6	1.860	2.691	14.2	21.1

409461 2005 RY_{51} 2 23.8 96°.44 0°.9/22.9 18

1 22	10 47.02	+ 7 57.0	1.883	2.719	13.2	20.7
2 1	10 42.08	+ 9 13.7	1.822	2.736	9.5	20.5
2 11	10 35.22	+10 42.9	1.788	2.752	5.4	20.3
2 21	10 27.17	+12 17.4	1.781	2.769	1.2	20.0
3 2	10 18.88	+13 48.9	1.805	2.785	3.7	20.3
3 12	10 11.37	+15 9.6	1.857	2.801	7.8	20.5
3 22	10 5.45	+16 14.6	1.936	2.817	11.4	20.8
4 1	10 1.68	+17 1.3	2.037	2.832	14.5	21.0

51206 2000 JL_{11} 2 23.8 78°.44 4°.1/20.8 18

1 22	10 53.61	+19 11.6	1.665	2.517	13.8	18.1
2 1	10 47.00	+19 54.2	1.616	2.536	10.0	17.9
2 11	10 38.07	+20 37.0	1.592	2.554	6.2	17.7
2 21	10 27.78	+21 12.4	1.595	2.573	4.1	17.6
3 2	10 17.39	+21 34.1	1.627	2.592	6.3	17.8
3 12	10 8.16	+21 38.3	1.685	2.610	9.9	18.1
3 22	10 1.02	+21 24.9	1.768	2.629	13.4	18.3
4 1	9 56.53	+20 55.3	1.871	2.647	16.3	18.6

166859 2002 XH_{1} 2 23.8 123°.33 3°.8/19.4 18

1 22	10 46.92	+19 59.1	2.419	3.267	10.2	20.1
2 1	10 41.73	+21 7.2	2.360	3.278	7.4	20.0
2 11	10 34.92	+22 15.9	2.329	3.288	4.8	19.8
2 21	10 27.10	+23 18.9	2.326	3.297	3.8	19.8
3 2	10 19.07	+24 10.6	2.353	3.307	5.5	19.9
3 12	10 11.68	+24 47.0	2.409	3.316	8.2	20.1
3 22	10 5.60	+25 6.7	2.490	3.325	10.8	20.3
4 1	10 1.36	+25 9.8	2.592	3.334	13.1	20.4

393381 2000 AL_{219} 2 23.8 125°.78 3°.1/21.3 18

1 22	10 52.66	+14 1.2	1.591	2.440	14.5	21.3
2 1	10 46.50	+15 15.5	1.535	2.455	10.4	21.0
2 11	10 37.90	+16 37.5	1.504	2.470	6.0	20.8
2 21	10 27.77	+17 57.8	1.500	2.484	3.1	20.7
3 2	10 17.38	+19 7.4	1.525	2.497	5.7	20.9
3 12	10 8.04	+19 59.1	1.578	2.509	9.9	21.1
3 22	10 0.77	+20 29.9	1.654	2.521	13.8	21.4
4 1	9 56.22	+20 40.0	1.751	2.532	17.0	21.6

493816 2015 VL_{101} 2 23.8 154°.35 3°.0/21.4 18

1 22	10 52.08	+14 8.2	1.591	2.441	14.5	21.9
2 1	10 46.19	+15 13.6	1.527	2.447	10.4	21.6
2 11	10 37.79	+16 27.1	1.487	2.453	6.1	21.4
2 21	10 27.77	+17 39.9	1.474	2.458	3.0	21.2
3 2	10 17.37	+18 43.0	1.490	2.462	5.7	21.4
3 12	10 7.93	+19 29.4	1.532	2.466	10.0	21.6
3 22	10 0.54	+19 55.8	1.599	2.469	14.0	21.9
4 1	9 55.89	+20 2.0	1.686	2.472	17.4	22.1

276914 2004 TC_{32} 2 23.8 206°.97 1°.0/24.9 17

1 22	10 47.85	+ 4 19.0	2.537	3.346	11.1	22.0
2 1	10 42.40	+ 4 41.4	2.445	3.339	8.3	21.8
2 11	10 35.34	+ 5 14.9	2.378	3.333	5.1	21.6
2 21	10 27.22	+ 5 56.4	2.340	3.325	1.8	21.4
3 2	10 18.75	+ 6 42.2	2.333	3.317	2.5	21.4
3 12	10 10.74	+ 7 27.4	2.357	3.308	5.9	21.6
3 22	10 3.89	+ 8 8.1	2.409	3.299	9.1	21.8
4 1	9 58.73	+ 8 41.2	2.485	3.289	11.9	22.0

181867 1999 CV_{118} 2 23.8 36°.30 0°.1/24.8 15

1 22	10 27.19	+ 6 43.0	41.736	42.545	0.8	23.8
2 1	10 26.54	+ 6 46.2	41.655	42.552	0.6	23.7
2 11	10 25.83	+ 6 49.9	41.602	42.558	0.3	23.7
2 21	10 25.08	+ 6 54.0	41.579	42.564	0.1	23.7
3 2	10 24.32	+ 6 58.2	41.586	42.570	0.2	23.7
3 12	10 23.59	+ 7 2.4	41.624	42.577	0.4	23.7
3 22	10 22.90	+ 7 6.4	41.691	42.583	0.6	23.8
4 1	10 22.28	+ 7 10.2	41.785	42.589	0.8	23.8

134342 1979 MV_{3} 2 23.8 162°.39 0°.9/24.7 18 R

1 22	10 49.31	+ 4 8.5	2.251	3.061	12.2	21.1
2 1	10 43.54	+ 4 44.3	2.172	3.069	9.1	20.9
2 11	10 36.01	+ 5 32.8	2.120	3.076	5.5	20.7
2 21	10 27.37	+ 6 30.2	2.096	3.082	1.8	20.5
3 2	10 18.43	+ 7 31.2	2.103	3.087	2.7	20.5
3 12	10 10.10	+ 8 30.1	2.140	3.091	6.4	20.8
3 22	10 3.14	+ 9 22.1	2.205	3.095	9.9	21.0
4 1	9 58.10	+10 3.7	2.294	3.097	12.8	21.2

384200 2009 BZ_{153} 2 23.8 104°.89 0°.2/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.12	+ 8 6.7	2.298	3.123	11.5	21.3
2 1	10 42.61	+ 8 18.2	2.224	3.130	8.4	21.1
2 11	10 35.44	+ 8 38.0	2.177	3.138	4.9	20.9
2 21	10 27.23	+ 9 2.7	2.158	3.145	1.2	20.6
3 2	10 18.80	+ 9 28.4	2.169	3.152	2.7	20.8
3 12	10 10.99	+ 9 51.1	2.209	3.159	6.3	21.0
3 22	10 4.52	+10 7.6	2.277	3.166	9.6	21.2
4 1	9 59.90	+10 15.9	2.369	3.173	12.4	21.4

165715 2001 QP_{39} 2 23.8 193°.61 2°.2/21.2 17

1 22	10 45.48	+14 17.5	2.526	3.367	10.1	20.5
2 1	10 40.70	+15 21.7	2.449	3.366	7.2	20.3
2 11	10 34.35	+16 31.3	2.399	3.364	4.2	20.1
2 21	10 27.00	+17 41.0	2.379	3.362	2.2	20.0
3 2	10 19.36	+18 44.9	2.389	3.359	4.1	20.1
3 12	10 12.21	+19 38.2	2.429	3.356	7.2	20.3
3 22	10 6.23	+20 17.9	2.495	3.353	10.0	20.5
4 1	10 1.94	+20 42.7	2.585	3.350	12.5	20.6

133610 2003 UZ_{102} 2 23.8 188°.71 1°.4/22.4 18

1 22	10 47.08	+11 57.0	2.184	3.023	11.5	20.1
2 1	10 42.02	+12 40.1	2.108	3.023	8.3	19.9
2 11	10 35.18	+13 30.4	2.057	3.022	4.7	19.7
2 21	10 27.19	+14 22.8	2.035	3.022	1.5	19.4
3 2	10 18.89	+15 11.6	2.043	3.021	3.7	19.6
3 12	10 11.19	+15 51.8	2.080	3.020	7.4	19.8
3 22	10 4.87	+16 20.0	2.143	3.019	10.7	20.0
4 1	10 0.50	+16 34.6	2.228	3.017	13.6	20.2

60563 2000 EF_{107} 2 23.8 325°.65 2°.4/22.1 18

1 22	10 46.54	+11 6.1	1.191	2.058	17.1	19.2
2 1	10 42.93	+12 8.3	1.118	2.047	12.4	18.8
2 11	10 36.30	+13 27.0	1.067	2.037	7.1	18.5
2 21	10 27.52	+14 52.9	1.040	2.027	2.5	18.2
3 2	10 18.01	+16 13.9	1.038	2.017	6.0	18.4
3 12	10 9.47	+17 18.6	1.060	2.009	11.6	18.7
3 22	10 3.29	+18 0.2	1.103	2.001	16.8	18.9
4 1	10 0.38	+18 16.4	1.165	1.994	21.1	19.2

104948 2000 JN_{43} 2 23.8 356°.34 0°.5/24.2 18

1 22	10 45.89	+ 6 32.3	2.032	2.862	12.6	20.0
2 1	10 41.25	+ 6 57.1	1.954	2.862	9.3	19.8
2 11	10 34.78	+ 7 33.5	1.900	2.861	5.5	19.5
2 21	10 27.11	+ 8 17.5	1.874	2.861	1.4	19.2
3 2	10 19.11	+ 9 4.0	1.876	2.860	2.9	19.3
3 12	10 11.73	+ 9 47.5	1.907	2.860	6.9	19.6
3 22	10 5.77	+10 23.4	1.965	2.860	10.6	19.8
4 1	10 1.82	+10 48.6	2.045	2.861	13.7	20.0

465437 2008 RT_{100} 2 23.8 185°.39 2°.1/21.9 17

1 22	10 50.93	+15 28.7	2.326	3.163	11.0	21.6
2 1	10 44.70	+15 53.1	2.249	3.163	7.9	21.4
2 11	10 36.69	+16 20.6	2.199	3.162	4.6	21.2
2 21	10 27.53	+16 46.5	2.177	3.162	2.1	21.0
3 2	10 18.10	+17 6.4	2.187	3.160	4.0	21.2
3 12	10 9.32	+17 16.6	2.225	3.159	7.4	21.4
3 22	10 1.95	+17 15.6	2.291	3.157	10.5	21.6
4 1	9 56.57	+17 2.9	2.380	3.155	13.2	21.7

190384 1999 RZ_{181} 2 23.8 182°.36 0°.5/23.3 17

1 22	10 48.71	+ 9 43.4	2.391	3.217	11.0	21.3
2 1	10 43.06	+10 11.0	2.310	3.218	8.0	21.1
2 11	10 35.73	+10 46.1	2.256	3.218	4.6	20.9
2 21	10 27.32	+11 24.8	2.230	3.218	1.0	20.6
3 2	10 18.63	+12 2.7	2.236	3.217	2.9	20.8
3 12	10 10.50	+12 35.2	2.271	3.216	6.5	21.0
3 22	10 3.65	+12 59.3	2.334	3.214	9.8	21.2
4 1	9 58.63	+13 13.1	2.420	3.212	12.5	21.4

52651 1997 YF_{18} 2 23.8 282°.18 5°.3/18.1 18

1 22	10 48.07	+25 3.0	2.295	3.145	10.6	18.4
2 1	10 42.84	+26 3.3	2.219	3.132	8.0	18.2
2 11	10 35.71	+27 1.1	2.170	3.120	5.9	18.0
2 21	10 27.33	+27 49.6	2.149	3.107	5.4	18.0
3 2	10 18.59	+28 22.9	2.156	3.094	7.1	18.0
3 12	10 10.46	+28 37.4	2.190	3.082	9.7	18.2
3 22	10 3.78	+28 32.2	2.249	3.069	12.4	18.3
4 1	9 59.14	+28 8.5	2.328	3.057	14.7	18.5

171161 2005 GJ_{114} 2 23.8 16°.60 2°.0/22.5 18

1 22	10 47.89	+11 42.8	1.258	2.123	16.6	20.8
2 1	10 43.56	+12 23.4	1.199	2.126	12.0	20.6
2 11	10 36.45	+13 15.8	1.161	2.130	6.8	20.3
2 21	10 27.52	+14 11.8	1.148	2.135	2.1	20.0
3 2	10 18.19	+15 2.0	1.161	2.141	5.3	20.2
3 12	10 9.99	+15 38.4	1.198	2.148	10.4	20.5
3 22	10 4.10	+15 56.8	1.258	2.155	15.1	20.8
4 1	10 1.23	+15 55.9	1.336	2.164	19.0	21.1

46931 1998 SW_{59} 2 23.8 113°.08 0°.2/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.62	+ 7 12.9	1.998	2.824	12.9	20.0
2 1	10 43.83	+ 8 5.7	1.938	2.845	9.4	19.8
2 11	10 36.19	+ 9 10.0	1.903	2.865	5.4	19.6
2 21	10 27.42	+10 20.0	1.897	2.885	1.1	19.4
3 2	10 18.47	+11 29.0	1.922	2.904	3.2	19.6
3 12	10 10.31	+12 30.7	1.976	2.923	7.2	19.8
3 22	10 3.73	+13 20.6	2.056	2.940	10.7	20.1
4 1	9 59.26	+13 56.3	2.160	2.958	13.7	20.3

51713 2001 KC_{30} 2 23.8 156°.02 1°.3/22.5 18

1 22	10 49.63	+11 8.1	2.047	2.883	12.3	19.9
2 1	10 43.93	+11 56.4	1.976	2.890	8.9	19.7
2 11	10 36.31	+12 53.1	1.931	2.896	5.0	19.5
2 21	10 27.46	+13 52.3	1.915	2.901	1.5	19.2
3 2	10 18.32	+14 47.8	1.928	2.907	3.8	19.4
3 12	10 9.89	+15 34.0	1.971	2.911	7.7	19.6
3 22	10 2.99	+16 7.2	2.040	2.915	11.2	19.9
4 1	9 58.22	+16 25.8	2.131	2.919	14.2	20.1

5591 Koyo 2 23.8 127°.35 1°.2/24.9 18

1 22	10 46.73	+ 3 44.8	2.101	2.918	12.7	17.9
2 1	10 41.78	+ 4 15.9	2.026	2.925	9.5	17.7
2 11	10 35.05	+ 5 0.7	1.975	2.932	5.8	17.5
2 21	10 27.19	+ 5 55.3	1.953	2.938	2.0	17.2
3 2	10 19.04	+ 6 54.4	1.960	2.945	2.8	17.3
3 12	10 11.53	+ 7 52.1	1.997	2.951	6.6	17.5
3 22	10 5.41	+ 8 43.1	2.060	2.957	10.1	17.8
4 1	10 1.25	+ 9 23.9	2.147	2.962	13.2	18.0

401989 2002 WN_{31} 2 23.8 84°.48 2°.0/22.1 18

1 22	10 49.61	+11 55.8	1.705	2.552	13.8	21.1
2 1	10 44.08	+12 58.1	1.653	2.572	9.9	20.9
2 11	10 36.42	+14 8.8	1.626	2.593	5.6	20.7
2 21	10 27.48	+15 20.3	1.627	2.613	2.1	20.5
3 2	10 18.36	+16 24.8	1.656	2.633	4.6	20.7
3 12	10 10.21	+17 15.6	1.713	2.652	8.7	21.0
3 22	10 3.90	+17 49.6	1.795	2.672	12.4	21.2
4 1	9 59.99	+18 5.7	1.898	2.691	15.5	21.5

290459 2005 TC_{167} 2 23.8 316°.58 6°.6/29.4 18

1 22	10 44.32	− 8 54.9	1.646	2.426	17.3	20.1
2 1	10 40.66	− 9 3.4	1.554	2.413	14.3	19.9
2 11	10 34.73	− 8 44.4	1.481	2.401	10.9	19.6
2 21	10 27.18	− 7 57.1	1.432	2.389	7.8	19.4
3 2	10 19.01	− 6 44.6	1.409	2.377	6.7	19.3
3 12	10 11.43	− 5 14.3	1.412	2.366	8.7	19.4
3 22	10 5.50	− 3 36.1	1.439	2.355	12.3	19.6
4 1	10 2.02	− 2 0.2	1.489	2.344	15.9	19.8

239878 2000 OV_{8} 2 23.8 212°.57 3°.7/18.5 18

1 22	10 45.32	+19 1.8	2.712	3.558	9.3	20.6
2 1	10 40.61	+20 45.0	2.635	3.552	6.8	20.5
2 11	10 34.35	+22 31.6	2.587	3.546	4.5	20.3
2 21	10 27.05	+24 14.6	2.571	3.539	3.8	20.2
3 2	10 19.39	+25 47.4	2.585	3.532	5.5	20.4
3 12	10 12.14	+27 4.5	2.630	3.525	8.1	20.5
3 22	10 5.97	+28 3.2	2.700	3.517	10.6	20.7
4 1	10 1.44	+28 42.7	2.793	3.509	12.8	20.8

225179 2008 HF_{35} 2 23.8 211°.55 1°.5/22.2 17

1 22	10 47.52	+11 10.4	2.238	3.074	11.4	21.0
2 1	10 42.39	+12 10.9	2.154	3.068	8.2	20.8
2 11	10 35.45	+13 20.4	2.096	3.061	4.7	20.5
2 21	10 27.30	+14 33.2	2.067	3.054	1.6	20.3
3 2	10 18.76	+15 42.8	2.069	3.046	3.8	20.5
3 12	10 10.75	+16 43.3	2.100	3.037	7.5	20.7
3 22	10 4.07	+17 30.5	2.158	3.029	10.9	20.9
4 1	9 59.32	+18 2.2	2.239	3.019	13.8	21.0

62679 2000 TK_{15} 2 23.8 105°.94 1°.5/22.2 18

1 22	10 46.52	+13 20.4	2.438	3.276	10.5	19.9
2 1	10 41.42	+13 53.2	2.366	3.281	7.5	19.7
2 11	10 34.76	+14 30.8	2.321	3.286	4.3	19.5
2 21	10 27.13	+15 8.8	2.305	3.291	1.6	19.3
3 2	10 19.27	+15 42.7	2.319	3.295	3.5	19.5
3 12	10 11.99	+16 8.6	2.362	3.300	6.7	19.7
3 22	10 5.96	+16 24.1	2.432	3.305	9.7	19.9
4 1	10 1.67	+16 28.1	2.525	3.309	12.3	20.0

173046 2006 QD_{116} 2 23.8 70°.51 0°.4/23.4 18

1 22	10 49.21	+10 35.1	2.233	3.064	11.6	19.7
2 1	10 43.42	+10 42.2	2.164	3.074	8.4	19.5
2 11	10 35.93	+10 55.5	2.121	3.084	4.8	19.3
2 21	10 27.39	+11 11.6	2.106	3.094	1.0	19.0
3 2	10 18.65	+11 26.6	2.122	3.104	2.9	19.2
3 12	10 10.60	+11 37.0	2.167	3.114	6.6	19.4
3 22	10 3.98	+11 40.2	2.239	3.124	9.9	19.7
4 1	9 59.29	+11 35.0	2.334	3.135	12.7	19.9

281071 2006 *PM* 2 23.8 191.°76 6.°7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.26	−13 50.9	2.544	3.259	13.5	20.7
2 1	10 41.31	−14 22.2	2.452	3.259	11.5	20.5
2 11	10 34.77	−14 33.8	2.382	3.258	9.4	20.4
2 21	10 27.15	−14 24.5	2.336	3.257	7.5	20.2
3 2	10 19.18	−13 55.2	2.318	3.255	6.7	20.2
3 12	10 11.65	−13 9.6	2.328	3.254	7.5	20.2
3 22	10 5.26	−12 12.7	2.365	3.253	9.4	20.4
4 1	10 0.58	−11 10.6	2.426	3.251	11.5	20.5

156490 2002 CX_{94} 2 23.8 268.°48 0.°8/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.82	+10 32.8	1.923	2.761	12.8	20.2
2 1	10 43.55	+10 57.6	1.841	2.755	9.4	19.9
2 11	10 36.21	+11 31.0	1.785	2.749	5.4	19.7
2 21	10 27.49	+12 8.5	1.756	2.743	1.3	19.4
3 2	10 18.35	+12 44.3	1.756	2.737	3.6	19.6
3 12	10 9.89	+13 13.3	1.784	2.731	7.8	19.8
3 22	10 3.00	+13 31.8	1.838	2.725	11.7	20.0
4 1	9 58.35	+13 37.8	1.914	2.719	14.9	20.2

459528 2013 EG_{141} 2 23.8 194.°11 0.°1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.77	+ 7 16.6	1.683	2.517	14.6	22.1
2 1	10 45.20	+ 7 55.5	1.605	2.516	10.8	21.8
2 11	10 37.27	+ 8 48.7	1.551	2.514	6.3	21.5
2 21	10 27.73	+ 9 50.4	1.524	2.511	1.4	21.2
3 2	10 17.72	+10 53.4	1.525	2.509	3.6	21.4
3 12	10 8.48	+11 50.1	1.555	2.505	8.4	21.6
3 22	10 1.07	+12 34.9	1.610	2.501	12.7	21.9
4 1	9 56.22	+13 4.5	1.687	2.497	16.4	22.1

406002 2006 SH_{359} 2 23.8 63.°22 9.°6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 57.97	+32 27.3	1.508	2.358	15.1	20.4
2 1	10 50.41	+33 44.8	1.485	2.386	12.1	20.3
2 11	10 40.07	+34 46.7	1.484	2.414	10.0	20.2
2 21	10 28.27	+35 23.0	1.509	2.442	9.7	20.3
3 2	10 16.63	+35 27.7	1.559	2.470	11.4	20.4
3 12	10 6.66	+35 1.0	1.632	2.498	13.8	20.6
3 22	9 59.38	+34 7.4	1.727	2.526	16.4	20.9
4 1	9 55.25	+32 53.5	1.840	2.554	18.6	21.1

385550 2004 SW_{52} 2 23.8 138.°54 4.°3/28.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.12	− 5 39.7	2.446	3.208	12.8	21.7
2 1	10 43.28	− 5 50.7	2.367	3.221	10.2	21.6
2 11	10 35.84	− 5 45.1	2.312	3.233	7.4	21.4
2 21	10 27.39	− 5 23.8	2.285	3.245	5.0	21.3
3 2	10 18.68	− 4 49.4	2.287	3.256	4.4	21.2
3 12	10 10.54	− 4 6.2	2.319	3.266	6.3	21.4
3 22	10 3.66	− 3 19.1	2.379	3.276	8.9	21.6
4 1	9 58.56	− 2 33.1	2.463	3.285	11.5	21.7

412312 2013 JJ_{61} 2 23.8 285.°44 1.°4/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.98	+10 39.1	1.564	2.413	14.7	21.7
2 1	10 44.17	+11 19.3	1.481	2.400	10.8	21.4
2 11	10 36.81	+12 11.6	1.421	2.388	6.2	21.1
2 21	10 27.67	+13 9.7	1.388	2.375	1.7	20.8
3 2	10 17.91	+14 5.5	1.382	2.362	4.5	21.0
3 12	10 8.89	+14 51.2	1.402	2.350	9.5	21.2
3 22	10 1.77	+15 21.9	1.447	2.337	14.0	21.4
4 1	9 57.36	+15 34.9	1.512	2.325	17.8	21.7

114161 2002 VC_{71} 2 23.8 71.°23 2.°1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.36	+13 53.0	2.115	2.961	11.5	19.9
2 1	10 41.53	+14 44.1	2.049	2.967	8.3	19.7
2 11	10 34.92	+15 40.9	2.008	2.974	4.8	19.5
2 21	10 27.20	+16 37.6	1.996	2.980	2.2	19.3
3 2	10 19.22	+17 28.2	2.013	2.987	4.3	19.5
3 12	10 11.92	+18 7.6	2.059	2.994	7.8	19.7
3 22	10 6.04	+18 33.1	2.130	3.000	11.0	19.9
4 1	10 2.13	+18 43.5	2.223	3.007	13.8	20.1

197573 2004 GP_{33} 2 23.8 279.°57 1.°7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.99	+ 3 27.3	1.385	2.221	17.0	20.8
2 1	10 44.45	+ 3 48.7	1.299	2.208	12.9	20.5
2 11	10 37.12	+ 4 31.1	1.236	2.195	8.0	20.2
2 21	10 27.77	+ 5 30.5	1.197	2.182	2.9	19.9
3 2	10 17.65	+ 6 39.4	1.184	2.169	3.9	19.9
3 12	10 8.28	+ 7 48.4	1.198	2.156	9.3	20.2
3 22	10 0.99	+ 8 48.8	1.235	2.143	14.4	20.4
4 1	9 56.69	+ 9 34.4	1.292	2.130	18.9	20.7

463918 2014 UN_{142} 2 23.8 114.°22 12.°6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.48	−29 32.5	2.017	2.629	19.3	21.1
2 1	10 42.73	−30 18.9	1.939	2.638	17.7	21.0
2 11	10 35.80	−30 31.4	1.875	2.646	15.9	20.8
2 21	10 27.43	−30 5.8	1.829	2.655	14.2	20.7
3 2	10 18.61	−29 1.2	1.805	2.663	13.0	20.7
3 12	10 10.49	−27 21.9	1.803	2.671	12.7	20.7
3 22	10 4.04	−25 16.4	1.824	2.678	13.3	20.7
4 1	9 59.94	−22 55.9	1.869	2.686	14.8	20.8

151657 Finkbeiner 2 23.8 345.°74 3.°7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 43.31	+13 35.5	1.369	2.239	15.1	19.9
2 1	10 40.23	+15 7.9	1.300	2.231	10.9	19.6
2 11	10 34.59	+16 53.3	1.254	2.223	6.4	19.3
2 21	10 27.18	+18 40.9	1.234	2.217	3.7	19.1
3 2	10 19.22	+20 18.4	1.240	2.211	6.8	19.3
3 12	10 12.12	+21 35.3	1.271	2.207	11.4	19.5
3 22	10 7.03	+22 25.9	1.324	2.203	15.8	19.8
4 1	10 4.74	+22 48.9	1.395	2.200	19.5	20.0

32404 2000 *RN* 2 23.8 152.°34 7.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.53	−12 6.3	2.142	2.877	15.1	18.4
2 1	10 43.18	−12 37.3	2.058	2.882	12.7	18.2
2 11	10 35.94	−12 46.0	1.996	2.887	10.1	18.1
2 21	10 27.45	−12 31.4	1.958	2.891	7.9	17.9
3 2	10 18.57	−11 54.9	1.947	2.895	7.0	17.9
3 12	10 10.26	−11 1.2	1.963	2.898	8.1	17.9
3 22	10 3.37	− 9 56.7	2.007	2.901	10.4	18.1
4 1	9 58.52	− 8 48.7	2.074	2.904	13.0	18.3

193964 2001 RD_{90} 2 23.8 139.°04 1.°5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.05	+11 19.8	1.867	2.702	13.3	21.9
2 1	10 46.51	+12 10.5	1.804	2.717	9.6	21.7
2 11	10 37.85	+13 9.8	1.766	2.731	5.5	21.5
2 21	10 27.86	+14 11.0	1.757	2.744	1.7	21.2
3 2	10 17.62	+15 7.0	1.778	2.756	4.1	21.4
3 12	10 8.27	+15 52.1	1.828	2.768	8.2	21.7
3 22	10 0.70	+16 22.7	1.904	2.779	11.9	21.9
4 1	9 55.53	+16 37.7	2.003	2.788	15.0	22.2

404183 2013 CO_{103} 2 23.8 314.°91 3.°2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.92	+14 55.4	1.324	2.186	16.0	20.7
2 1	10 45.93	+15 35.5	1.251	2.177	11.7	20.4
2 11	10 37.97	+16 23.5	1.201	2.169	6.9	20.1
2 21	10 27.95	+17 11.2	1.176	2.160	3.2	19.8
3 2	10 17.31	+17 49.4	1.177	2.153	6.2	20.0
3 12	10 7.67	+18 10.6	1.202	2.145	11.2	20.3
3 22	10 0.38	+18 11.8	1.250	2.138	15.9	20.5
4 1	9 56.27	+17 52.9	1.317	2.131	19.9	20.7

403027 2007 XE_{45} 2 23.8 165.°61 1.°4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.59	+11 9.4	2.084	2.918	12.2	22.0
2 1	10 44.64	+11 59.3	2.011	2.924	8.8	21.7
2 11	10 36.76	+12 57.5	1.964	2.929	5.0	21.5
2 21	10 27.63	+13 58.2	1.946	2.933	1.5	21.3
3 2	10 18.19	+14 55.2	1.959	2.937	3.8	21.5
3 12	10 9.45	+15 42.7	2.000	2.940	7.6	21.7
3 22	10 2.23	+16 17.2	2.069	2.942	11.2	21.9
4 1	9 57.14	+16 37.1	2.160	2.944	14.1	22.1

369816 2012 HP_{55} 2 23.8 243.°01 0.°2/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.08	+ 8 1.2	1.951	2.780	13.1	20.9
2 1	10 44.48	+ 8 14.5	1.864	2.772	9.7	20.7
2 11	10 36.78	+ 8 38.0	1.802	2.764	5.7	20.4
2 21	10 27.66	+ 9 8.1	1.768	2.755	1.4	20.1
3 2	10 18.09	+ 9 39.7	1.763	2.747	3.1	20.2
3 12	10 9.14	+10 7.8	1.787	2.737	7.5	20.5
3 22	10 1.75	+10 28.3	1.836	2.728	11.4	20.7
4 1	9 56.60	+10 38.5	1.909	2.719	14.8	20.9

468552 2006 SW_{396} 2 23.8 173.°08 0.°1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.41	+ 7 21.0	2.869	3.687	9.6	22.6
2 1	10 40.46	+ 7 51.2	2.787	3.690	7.1	22.4
2 11	10 34.18	+ 8 29.3	2.732	3.692	4.1	22.2
2 21	10 27.06	+ 9 12.2	2.706	3.693	1.0	21.9
3 2	10 19.71	+ 9 56.0	2.712	3.695	2.3	22.1
3 12	10 12.80	+10 36.8	2.748	3.696	5.3	22.3
3 22	10 6.90	+11 11.6	2.812	3.696	8.2	22.5
4 1	10 2.45	+11 38.0	2.901	3.696	10.6	22.6

416929 2005 SZ_{80} 2 23.8 172.°84 1.°6/22.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.88	+12 38.8	2.231	3.066	11.4	22.3
2 1	10 44.04	+13 19.5	2.156	3.069	8.3	22.1
2 11	10 36.38	+14 6.5	2.108	3.072	4.7	21.9
2 21	10 27.56	+14 54.5	2.088	3.074	1.7	21.6
3 2	10 18.45	+15 38.2	2.098	3.075	3.8	21.8
3 12	10 9.97	+16 12.8	2.139	3.076	7.4	22.0
3 22	10 2.92	+16 35.4	2.205	3.077	10.7	22.2
4 1	9 57.86	+16 44.8	2.295	3.076	13.5	22.4

144175 2004 BZ_{111} 2 23.8 289.°63 0.°1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.47	+ 7 43.0	2.155	2.987	11.9	20.3
2 1	10 40.97	+ 8 16.2	2.067	2.977	8.7	20.0
2 11	10 34.68	+ 9 0.3	2.005	2.967	5.1	19.8
2 21	10 27.20	+ 9 51.1	1.970	2.958	1.1	19.5
3 2	10 19.32	+10 43.3	1.965	2.948	3.0	19.6
3 12	10 11.97	+11 31.2	1.988	2.939	6.9	19.8
3 22	10 5.93	+12 10.6	2.038	2.929	10.5	20.0
4 1	10 1.80	+12 38.3	2.111	2.920	13.6	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
54088 2000 GR_{173}			2 23.8	24°.95	1°.0/24.4	18
	h m	° ′			°	m
1 22	10 51.48	+ 6 57.0	1.194	2.045	18.2	19.4
2 1	10 46.33	+ 6 53.9	1.132	2.049	13.5	19.1
2 11	10 38.17	+ 7 6.8	1.090	2.054	8.1	18.8
2 21	10 28.00	+ 7 30.9	1.072	2.059	2.3	18.5
3 2	10 17.36	+ 7 59.5	1.080	2.065	4.1	18.6
3 12	10 7.94	+ 8 25.2	1.112	2.071	9.8	19.0
3 22	10 1.02	+ 8 42.1	1.167	2.078	14.9	19.3
4 1	9 57.37	+ 8 46.7	1.241	2.085	19.1	19.5
298706 2004 EU_{89}			2 23.8	237°.27	8°.1/14.4	17
1 22	10 56.02	+39 9.1	2.657	3.471	10.5	20.9
2 1	10 48.52	+40 3.3	2.596	3.461	9.0	20.8
2 11	10 38.95	+40 44.7	2.560	3.451	8.2	20.7
2 21	10 28.13	+41 6.6	2.551	3.441	8.3	20.7
3 2	10 17.07	+41 4.8	2.569	3.431	9.5	20.8
3 12	10 6.88	+40 38.2	2.613	3.420	11.1	20.8
3 22	9 58.41	+39 48.9	2.679	3.409	12.9	21.0
4 1	9 52.26	+38 40.6	2.765	3.398	14.5	21.1
412967 2014 QA_{309}			2 23.8	171°.78	0°.4/23.5	18
1 22	10 50.18	+ 8 7.8	2.058	2.884	12.6	21.9
2 1	10 44.38	+ 8 50.2	1.981	2.888	9.2	21.7
2 11	10 36.64	+ 9 43.5	1.929	2.892	5.3	21.5
2 21	10 27.64	+10 42.7	1.907	2.894	1.1	21.2
3 2	10 18.29	+11 41.5	1.914	2.896	3.2	21.3
3 12	10 9.61	+12 34.1	1.951	2.897	7.3	21.6
3 22	10 2.44	+13 16.0	2.015	2.898	11.0	21.8
4 1	9 57.39	+13 44.7	2.101	2.897	14.1	22.0
117949 6316 $P–L$			2 23.8	148°.88	0°.2/23.6	18
1 22	10 50.80	+ 8 16.5	2.018	2.845	12.8	20.6
2 1	10 44.81	+ 8 50.1	1.947	2.854	9.3	20.4
2 11	10 36.86	+ 9 33.9	1.901	2.863	5.4	20.2
2 21	10 27.68	+10 23.1	1.883	2.871	1.2	19.9
3 2	10 18.21	+11 12.1	1.896	2.878	3.2	20.1
3 12	10 9.48	+11 55.1	1.938	2.885	7.3	20.4
3 22	10 2.33	+12 28.2	2.006	2.892	10.9	20.6
4 1	9 57.34	+12 49.2	2.098	2.897	14.0	20.8
112762 2002 PN_{140}			2 23.8	209°.26	0°.6/24.3	18
1 22	10 51.07	+ 5 7.0	1.725	2.550	14.7	20.7
2 1	10 45.48	+ 5 50.5	1.639	2.544	10.9	20.5
2 11	10 37.50	+ 6 50.9	1.578	2.538	6.5	20.2
2 21	10 27.87	+ 8 2.9	1.543	2.530	1.7	19.9
3 2	10 17.66	+ 9 19.2	1.538	2.522	3.4	20.0
3 12	10 8.15	+10 31.4	1.561	2.513	8.3	20.2
3 22	10 0.39	+11 32.7	1.611	2.503	12.7	20.5
4 1	9 55.17	+12 18.7	1.682	2.493	16.4	20.7
229739 2007 HB_{22}			2 23.8	118°.10	3°.6/20.4	18
1 22	10 49.52	+18 39.6	2.081	2.929	11.6	20.5
2 1	10 43.86	+19 35.4	2.021	2.939	8.4	20.3
2 11	10 36.29	+20 32.7	1.987	2.949	5.2	20.2
2 21	10 27.55	+21 24.9	1.981	2.958	3.6	20.1
3 2	10 18.58	+22 5.9	2.005	2.967	5.6	20.2
3 12	10 10.39	+22 31.4	2.056	2.976	8.7	20.4
3 22	10 3.78	+22 40.1	2.133	2.984	11.8	20.6
4 1	9 59.31	+22 32.2	2.232	2.993	14.4	20.8
71331 2000 AY_{89}			2 23.8	80°.64	1°.6/25.4	18
1 22	10 46.52	+ 2 33.9	2.010	2.826	13.3	19.3
2 1	10 41.69	+ 2 59.0	1.940	2.837	10.0	19.1
2 11	10 35.05	+ 3 38.8	1.894	2.848	6.2	18.9
2 21	10 27.28	+ 4 29.8	1.875	2.859	2.5	18.7
3 2	10 19.25	+ 5 26.6	1.886	2.870	2.9	18.8
3 12	10 11.91	+ 6 23.2	1.925	2.881	6.6	19.0
3 22	10 6.02	+ 7 14.2	1.991	2.892	10.2	19.3
4 1	10 2.13	+ 7 55.5	2.081	2.903	13.3	19.5
87581 2000 RX_{18}			2 23.8	223°.51	1°.9/25.5	18
1 22	10 50.35	+ 2 45.1	2.361	3.162	12.0	20.2
2 1	10 44.41	+ 2 44.4	2.263	3.152	9.1	20.0
2 11	10 36.65	+ 2 55.3	2.191	3.140	5.9	19.8
2 21	10 27.66	+ 3 16.1	2.147	3.129	2.6	19.5
3 2	10 18.23	+ 3 43.4	2.134	3.116	2.9	19.5
3 12	10 9.28	+ 4 13.1	2.151	3.103	6.3	19.7
3 22	10 1.59	+ 4 41.1	2.196	3.090	9.7	19.9
4 1	9 55.78	+ 5 4.0	2.265	3.076	12.7	20.1
354026 2001 QL_{242}			2 23.8	131°.32	0°.9/24.6	18
1 22	10 51.11	+ 3 41.2	1.840	2.656	14.3	21.4
2 1	10 45.13	+ 4 30.9	1.774	2.674	10.6	21.2
2 11	10 37.08	+ 5 36.6	1.733	2.690	6.3	20.9
2 21	10 27.74	+ 6 52.9	1.719	2.706	1.9	20.7
3 2	10 18.13	+ 8 12.4	1.736	2.720	3.1	20.8
3 12	10 9.36	+ 9 27.5	1.782	2.734	7.4	21.1
3 22	10 2.31	+10 32.0	1.855	2.747	11.3	21.3
4 1	9 57.56	+11 22.2	1.951	2.759	14.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
348981 2006 UQ_{128}			2 23.8	158°.17	1°.4/25.7	17
	h m	° ′			°	m
1 22	10 44.91	+ 2 5.8	3.150	3.945	9.4	23.1
2 1	10 39.98	+ 2 28.0	3.067	3.953	7.1	22.9
2 11	10 33.86	+ 3 0.0	3.011	3.960	4.5	22.8
2 21	10 27.01	+ 3 39.6	2.984	3.966	2.0	22.6
3 2	10 19.96	+ 4 23.6	2.989	3.972	2.1	22.6
3 12	10 13.31	+ 5 8.5	3.024	3.977	4.7	22.8
3 22	10 7.56	+ 5 50.8	3.089	3.982	7.2	23.0
4 1	10 3.13	+ 6 27.8	3.180	3.986	9.5	23.1
181067 2005 QG_9			2 23.8	140°.74	0°.7/22.9	18
1 22	10 45.45	+10 45.2	2.883	3.711	9.3	20.9
2 1	10 40.46	+11 18.4	2.809	3.719	6.7	20.7
2 11	10 34.17	+11 57.2	2.763	3.727	3.8	20.5
2 21	10 27.08	+12 38.1	2.747	3.735	0.9	20.3
3 2	10 19.80	+13 17.3	2.762	3.742	2.6	20.5
3 12	10 12.99	+13 51.1	2.807	3.749	5.6	20.7
3 22	10 7.21	+14 17.1	2.880	3.756	8.3	20.8
4 1	10 2.90	+14 33.6	2.977	3.762	10.6	21.0
73229 2002 JP_{28}			2 23.8	193°.42	0°.6/24.3	18
1 22	10 48.67	+ 5 32.9	1.587	2.423	15.2	19.9
2 1	10 43.78	+ 6 6.7	1.513	2.423	11.3	19.6
2 11	10 36.51	+ 6 56.9	1.461	2.422	6.7	19.4
2 21	10 27.65	+ 7 58.2	1.435	2.422	1.8	19.0
3 2	10 18.32	+ 9 3.4	1.437	2.422	3.5	19.1
3 12	10 9.81	+10 4.3	1.467	2.421	8.4	19.4
3 22	10 3.15	+10 54.5	1.521	2.421	12.8	19.7
4 1	9 59.07	+11 30.0	1.597	2.421	16.5	19.9
88731 2001 SJ_{36}			2 23.8	32°.96	3°.8/20.6	18 R
1 22	10 48.80	+19 26.4	1.907	2.761	12.2	18.6
2 1	10 43.45	+20 5.7	1.849	2.770	8.9	18.4
2 11	10 36.09	+20 45.3	1.816	2.779	5.6	18.3
2 21	10 27.52	+21 18.9	1.811	2.788	3.8	18.2
3 2	10 18.74	+21 40.8	1.834	2.798	5.8	18.3
3 12	10 10.83	+21 47.4	1.884	2.808	9.1	18.5
3 22	10 4.62	+21 37.8	1.958	2.819	12.3	18.7
4 1	10 0.66	+21 12.8	2.054	2.830	15.0	19.0
393907 2005 UR_2			2 23.8	225°.62	2°.7/26.1	17
1 22	10 51.79	− 0 6.8	1.958	2.755	14.3	22.7
2 1	10 45.87	+ 0 10.3	1.857	2.742	11.1	22.4
2 11	10 37.70	+ 0 45.7	1.781	2.727	7.3	22.2
2 21	10 27.94	+ 1 37.0	1.731	2.711	3.6	21.9
3 2	10 17.54	+ 2 39.6	1.712	2.694	3.6	21.9
3 12	10 7.64	+ 3 46.7	1.722	2.676	7.4	22.1
3 22	9 59.26	+ 4 51.5	1.759	2.657	11.5	22.3
4 1	9 53.18	+ 5 48.2	1.820	2.636	15.1	22.4
115114 2003 SB_{39}			2 23.8	119°.86	2°.0/22.1	18
1 22	10 53.67	+16 7.9	2.341	3.173	11.1	19.8
2 1	10 46.57	+16 20.6	2.276	3.187	8.0	19.7
2 11	10 37.74	+16 34.8	2.238	3.201	4.6	19.5
2 21	10 27.87	+16 46.5	2.230	3.214	2.1	19.3
3 2	10 17.87	+16 51.8	2.253	3.227	3.9	19.5
3 12	10 8.66	+16 48.1	2.306	3.240	7.1	19.7
3 22	10 0.96	+16 34.4	2.387	3.252	10.2	19.9
4 1	9 55.29	+16 10.8	2.491	3.264	12.8	20.1
164376 2005 ET_{113}			2 23.8	116°.58	4°.5/18.6	18
1 22	10 46.92	+21 11.8	2.249	3.101	10.7	19.6
2 1	10 41.94	+22 36.3	2.192	3.110	7.9	19.4
2 11	10 35.19	+24 0.9	2.162	3.118	5.3	19.3
2 21	10 27.33	+25 18.3	2.160	3.127	4.6	19.2
3 2	10 19.22	+26 21.8	2.188	3.135	6.4	19.4
3 12	10 11.77	+27 6.9	2.244	3.143	9.1	19.6
3 22	10 5.73	+27 32.0	2.324	3.151	11.8	19.7
4 1	10 1.66	+27 37.9	2.425	3.158	14.1	19.9
463690 2014 OG_{295}			2 23.8	122°.56	0°.1/23.9	18
1 22	10 48.97	+ 6 21.3	1.866	2.694	13.6	21.9
2 1	10 43.59	+ 7 11.4	1.800	2.707	10.0	21.7
2 11	10 36.21	+ 8 14.9	1.758	2.720	5.8	21.5
2 21	10 27.57	+ 9 26.2	1.744	2.732	1.3	21.2
3 2	10 18.65	+10 38.1	1.760	2.743	3.2	21.3
3 12	10 10.51	+11 43.5	1.805	2.755	7.5	21.6
3 22	10 4.00	+12 37.3	1.876	2.765	11.3	21.9
4 1	9 59.72	+13 16.3	1.969	2.775	14.5	22.1
26437 1999 YD_8			2 23.8	243°.74	2°.7/21.6	18
1 22	10 51.14	+12 59.3	1.621	2.470	14.3	18.5
2 1	10 45.79	+14 5.5	1.536	2.456	10.4	18.2
2 11	10 37.82	+15 23.0	1.475	2.441	6.1	18.0
2 21	10 27.99	+16 43.7	1.441	2.426	2.7	17.7
3 2	10 17.47	+17 57.9	1.436	2.410	5.6	17.8
3 12	10 7.64	+18 57.2	1.458	2.394	10.2	18.1
3 22	9 59.71	+19 36.5	1.504	2.377	14.6	18.3
4 1	9 54.55	+19 54.3	1.570	2.360	18.3	18.5

118707 2000 PC_{20} 2 23.8 74°.48 2°.2/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 54.72	+14 29.4	1.903	2.740	13.0	19.8
2 1	10 47.40	+15 7.5	1.866	2.780	9.3	19.7
2 11	10 38.19	+15 49.0	1.855	2.819	5.3	19.5
2 21	10 27.96	+16 28.0	1.872	2.857	2.2	19.4
3 2	10 17.81	+16 58.9	1.920	2.895	4.4	19.6
3 12	10 8.77	+17 17.9	1.997	2.932	8.0	19.9
3 22	10 1.60	+17 23.7	2.099	2.968	11.2	20.2
4 1	9 56.76	+17 16.4	2.225	3.003	13.9	20.4

41496 2000 QB_{118} 2 23.8 177°.89 2°.2/25.6 18

1 22	10 50.97	+ 1 45.3	1.904	2.712	14.2	19.6
2 1	10 45.13	+ 2 0.0	1.823	2.715	10.8	19.4
2 11	10 37.17	+ 2 31.0	1.765	2.716	6.9	19.1
2 21	10 27.81	+ 3 15.1	1.735	2.717	3.0	18.9
3 2	10 18.04	+ 4 7.3	1.734	2.717	3.3	18.9
3 12	10 8.95	+ 5 1.3	1.762	2.717	7.2	19.1
3 22	10 1.48	+ 5 51.2	1.817	2.715	11.1	19.4
4 1	9 56.29	+ 6 32.3	1.895	2.714	14.5	19.6

204146 2003 YH_{104} 2 23.8 81°.07 1°.5/22.3 18

1 22	10 46.98	+11 34.3	2.102	2.943	11.8	20.1
2 1	10 41.93	+12 29.6	2.045	2.961	8.5	19.9
2 11	10 35.16	+13 32.2	2.014	2.980	4.8	19.7
2 21	10 27.34	+14 36.2	2.012	2.998	1.6	19.5
3 2	10 19.36	+15 35.3	2.039	3.016	3.8	19.7
3 12	10 12.09	+16 24.3	2.095	3.035	7.4	20.0
3 22	10 6.28	+16 59.8	2.177	3.052	10.6	20.2
4 1	10 2.42	+17 20.7	2.282	3.070	13.3	20.4

239500 2007 VF_{122} 2 23.8 280°.86 3°.6/20.3 18

1 22	10 48.34	+19 35.2	2.237	3.085	10.9	20.5
2 1	10 42.98	+20 19.4	2.167	3.085	8.0	20.3
2 11	10 35.81	+21 4.3	2.124	3.084	5.0	20.1
2 21	10 27.50	+21 44.2	2.109	3.084	3.6	20.0
3 2	10 18.93	+22 13.6	2.123	3.084	5.4	20.1
3 12	10 11.02	+22 29.0	2.165	3.084	8.4	20.3
3 22	10 4.54	+22 28.8	2.233	3.084	11.3	20.5
4 1	10 0.07	+22 13.5	2.322	3.084	13.9	20.7

424005 2006 WK_{56} 2 23.8 116°.51 4°.5/27.9 18

1 22	10 49.99	− 4 44.6	2.008	2.786	14.6	22.0
2 1	10 44.23	− 4 51.5	1.936	2.801	11.6	21.8
2 11	10 36.55	− 4 39.0	1.888	2.817	8.3	21.6
2 21	10 27.68	− 4 8.5	1.866	2.831	5.3	21.5
3 2	10 18.53	− 3 23.5	1.872	2.845	4.7	21.4
3 12	10 10.11	− 2 29.7	1.908	2.859	7.0	21.6
3 22	10 3.23	− 1 33.5	1.970	2.872	10.2	21.8
4 1	9 58.48	− 0 40.6	2.056	2.885	13.1	22.0

135409 2001 TR_{238} 2 23.8 130°.56 1°.2/22.4 18

1 22	10 45.23	+10 46.0	2.520	3.353	10.3	20.5
2 1	10 40.51	+11 44.3	2.449	3.362	7.4	20.3
2 11	10 34.30	+12 50.0	2.406	3.371	4.2	20.1
2 21	10 27.18	+13 58.0	2.392	3.379	1.3	19.9
3 2	10 19.82	+15 3.0	2.409	3.387	3.2	20.1
3 12	10 12.99	+15 59.9	2.456	3.395	6.5	20.3
3 22	10 7.32	+16 45.4	2.530	3.402	9.4	20.5
4 1	10 3.30	+17 17.6	2.627	3.409	11.9	20.7

463297 2012 HV_{66} 2 23.8 255°.08 7°.3/16.9 17

1 22	10 53.39	+29 18.7	1.995	2.841	12.1	21.4
2 1	10 47.12	+30 28.9	1.923	2.827	9.6	21.2
2 11	10 38.44	+31 32.8	1.876	2.813	7.7	21.1
2 21	10 28.14	+32 21.5	1.856	2.799	7.5	21.0
3 2	10 17.37	+32 47.9	1.864	2.784	9.2	21.1
3 12	10 7.41	+32 48.3	1.897	2.769	11.9	21.2
3 22	9 59.32	+32 23.4	1.953	2.754	14.7	21.4
4 1	9 53.82	+31 36.4	2.028	2.738	17.2	21.5

206371 2003 QW_{87} 2 23.8 156°.93 0°.3/24.0 18

1 22	10 52.76	+ 7 44.3	1.842	2.669	13.8	20.8
2 1	10 46.44	+ 8 0.1	1.768	2.675	10.2	20.5
2 11	10 37.93	+ 8 26.7	1.719	2.680	6.0	20.3
2 21	10 28.02	+ 9 0.0	1.698	2.685	1.4	20.0
3 2	10 17.75	+ 9 34.4	1.706	2.690	3.2	20.1
3 12	10 8.29	+10 4.7	1.743	2.694	7.7	20.4
3 22	10 0.59	+10 26.8	1.806	2.697	11.6	20.6
4 1	9 55.29	+10 38.2	1.892	2.700	15.0	20.9

369344 2009 SU_{333} 2 23.8 141°.07 0°.4/24.3 18

1 22	10 47.12	+ 4 40.3	2.440	3.253	11.3	22.3
2 1	10 41.89	+ 5 38.8	2.367	3.266	8.3	22.1
2 11	10 35.11	+ 6 49.5	2.320	3.279	4.9	21.9
2 21	10 27.36	+ 8 7.6	2.304	3.290	1.3	21.7
3 2	10 19.38	+ 9 27.4	2.318	3.302	2.5	21.8
3 12	10 11.97	+10 42.9	2.363	3.312	6.0	22.0
3 22	10 5.77	+11 49.4	2.437	3.322	9.2	22.3
4 1	10 1.29	+12 43.7	2.535	3.332	11.9	22.5

450753 2007 JC_{17} 2 23.8 92°.16 4°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.06	− 3 5.0	1.445	2.254	17.8	20.7
2 1	10 44.22	− 2 56.6	1.375	2.262	14.0	20.5
2 11	10 36.85	− 2 22.6	1.326	2.269	9.6	20.2
2 21	10 27.80	− 1 25.5	1.301	2.276	5.5	20.0
3 2	10 18.30	− 0 11.4	1.302	2.283	4.8	20.0
3 12	10 9.72	+ 1 10.2	1.330	2.289	8.5	20.2
3 22	10 3.16	+ 2 29.6	1.383	2.296	12.8	20.5
4 1	9 59.35	+ 3 39.0	1.457	2.303	16.7	20.7

63791 2001 RG_{18} 2 23.8 55°.50 1°.4/25.1 18

1 22	10 46.28	+ 2 30.1	1.574	2.404	15.6	19.2
2 1	10 41.95	+ 3 17.3	1.511	2.416	11.7	19.0
2 11	10 35.40	+ 4 24.3	1.469	2.428	7.2	18.8
2 21	10 27.45	+ 5 45.3	1.454	2.440	2.5	18.5
3 2	10 19.19	+ 7 12.0	1.467	2.452	3.3	18.6
3 12	10 11.79	+ 8 35.3	1.507	2.465	7.9	18.9
3 22	10 6.19	+ 9 47.5	1.572	2.477	12.1	19.2
4 1	10 3.02	+10 43.9	1.659	2.490	15.7	19.4

46036 2001 DS_{32} 2 23.8 151°.39 2°.7/21.8 18

1 22	10 52.55	+12 59.9	1.465	2.317	15.4	19.8
2 1	10 46.79	+14 2.5	1.401	2.322	11.1	19.6
2 11	10 38.34	+15 15.1	1.361	2.327	6.4	19.3
2 21	10 28.13	+16 28.8	1.347	2.332	2.8	19.1
3 2	10 17.50	+17 33.8	1.360	2.336	5.6	19.3
3 12	10 7.90	+18 22.4	1.401	2.339	10.3	19.5
3 22	10 0.48	+18 50.6	1.465	2.343	14.6	19.8
4 1	9 55.98	+18 58.0	1.548	2.345	18.2	20.0

229186 2004 TO_{219} 2 23.8 130°.74 3°.3/27.1 18

1 22	10 46.03	− 2 27.3	2.018	2.813	14.0	20.8
2 1	10 41.44	− 2 8.3	1.936	2.816	10.9	20.6
2 11	10 35.01	− 1 30.2	1.878	2.819	7.4	20.4
2 21	10 27.37	− 0 35.6	1.847	2.822	4.2	20.2
3 2	10 19.38	+ 0 31.0	1.844	2.824	3.7	20.1
3 12	10 11.99	+ 1 42.8	1.870	2.827	6.7	20.3
3 22	10 6.01	+ 2 53.1	1.923	2.829	10.2	20.5
4 1	10 2.04	+ 3 56.1	1.999	2.832	13.4	20.7

338408 2003 BL_{28} 2 23.8 32°.94 4°.0/26.2 18

1 22	10 54.95	+ 1 31.4	1.788	2.592	15.2	19.1
2 1	10 47.95	+ 0 26.6	1.722	2.607	11.7	18.9
2 11	10 38.75	− 0 25.2	1.681	2.624	7.9	18.7
2 21	10 28.19	− 1 3.6	1.667	2.641	4.6	18.5
3 2	10 17.40	− 1 29.6	1.682	2.659	4.5	18.5
3 12	10 7.55	− 1 46.0	1.726	2.677	7.6	18.8
3 22	9 59.57	− 1 56.5	1.796	2.696	11.2	19.0
4 1	9 54.07	− 2 5.0	1.889	2.715	14.3	19.3

281049 2006 HQ_{123} 2 23.8 171°.36 1°.4/22.5 17

1 22	10 47.19	+11 44.5	2.159	2.998	11.6	21.5
2 1	10 42.18	+12 26.0	2.084	2.999	8.4	21.3
2 11	10 35.39	+13 14.8	2.035	3.000	4.8	21.0
2 21	10 27.45	+14 5.9	2.014	3.000	1.5	20.8
3 2	10 19.20	+14 53.7	2.022	3.001	3.7	21.0
3 12	10 11.56	+15 33.0	2.060	3.001	7.3	21.2
3 22	10 5.31	+16 0.5	2.123	3.001	10.7	21.4
4 1	10 1.02	+16 14.5	2.210	3.001	13.6	21.6

453795 2011 QC_{70} 2 23.8 257°.92 0°.2/23.7 17

1 22	10 48.49	+ 6 10.3	1.489	2.330	15.8	21.7
2 1	10 43.97	+ 7 7.4	1.405	2.319	11.7	21.4
2 11	10 36.84	+ 8 24.1	1.344	2.308	6.9	21.1
2 21	10 27.84	+ 9 53.8	1.309	2.297	1.5	20.7
3 2	10 18.16	+11 26.8	1.301	2.285	4.1	20.8
3 12	10 9.20	+12 52.7	1.321	2.273	9.4	21.1
3 22	10 2.17	+14 3.2	1.365	2.261	14.2	21.4
4 1	9 57.93	+14 53.6	1.429	2.249	18.3	21.6

237057 2008 SW_{159} 2 23.8 125°.19 1°.0/24.7 18

1 22	10 52.00	+ 4 26.3	1.655	2.479	15.3	21.7
2 1	10 46.01	+ 4 58.4	1.590	2.493	11.3	21.5
2 11	10 37.73	+ 5 46.6	1.549	2.507	6.8	21.3
2 21	10 27.99	+ 6 45.6	1.534	2.521	2.1	21.0
3 2	10 17.95	+ 7 48.6	1.549	2.533	3.3	21.1
3 12	10 8.84	+ 8 48.0	1.591	2.545	7.9	21.4
3 22	10 1.64	+ 9 37.7	1.660	2.557	12.1	21.7
4 1	9 56.99	+10 14.1	1.750	2.567	15.6	21.9

502302 2015 BQ_{148} 2 23.8 107°.62 1°.1/22.8 17

1 22	10 48.06	+11 8.3	2.084	2.921	12.0	21.6
2 1	10 42.82	+11 44.5	2.014	2.928	8.7	21.4
2 11	10 35.75	+12 28.3	1.971	2.935	4.9	21.2
2 21	10 27.54	+13 14.6	1.955	2.942	1.3	21.0
3 2	10 19.06	+13 58.0	1.969	2.949	3.5	21.2
3 12	10 11.28	+14 33.5	2.012	2.956	7.3	21.4
3 22	10 4.96	+14 57.7	2.081	2.963	10.7	21.6
4 1	10 0.66	+15 9.1	2.173	2.969	13.7	21.8

39958 1998 FB_{122} 2 23.8 262°.13 2°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.13	+12 15.3	1.750	2.595	13.6	19.3
2 1	10 44.93	+13 5.3	1.659	2.577	9.9	19.0
2 11	10 37.30	+14 5.6	1.593	2.559	5.7	18.7
2 21	10 27.95	+15 9.7	1.554	2.540	2.1	18.4
3 2	10 17.93	+16 9.8	1.544	2.521	4.8	18.6
3 12	10 8.53	+16 58.3	1.561	2.502	9.3	18.8
3 22	10 0.84	+17 30.7	1.603	2.482	13.5	19.0
4 1	9 55.68	+17 45.0	1.666	2.462	17.2	19.2

141871 2002 PZ_{33} 2 23.9 255°.13 0°.5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.20	+ 8 30.7	1.819	2.655	13.6	21.1
2 1	10 44.12	+ 9 11.8	1.728	2.640	10.0	20.8
2 11	10 36.77	+10 6.0	1.661	2.624	5.8	20.6
2 21	10 27.82	+11 7.8	1.621	2.608	1.3	20.2
3 2	10 18.28	+12 10.4	1.610	2.592	3.7	20.4
3 12	10 9.31	+13 6.4	1.627	2.575	8.3	20.6
3 22	10 1.95	+13 50.5	1.670	2.558	12.5	20.8
4 1	9 56.98	+14 19.3	1.735	2.541	16.2	21.0

422648 1996 VW_{6} 2 23.9 154°.34 1°.1/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.34	+12 19.1	2.784	3.607	9.7	22.2
2 1	10 44.04	+12 53.7	2.712	3.619	7.0	22.1
2 11	10 36.29	+13 32.9	2.667	3.630	4.0	21.9
2 21	10 27.65	+14 12.9	2.654	3.640	1.3	21.7
3 2	10 18.82	+14 49.4	2.672	3.649	3.0	21.9
3 12	10 10.55	+15 19.1	2.721	3.657	6.0	22.1
3 22	10 3.44	+15 39.5	2.798	3.665	8.8	22.3
4 1	9 57.98	+15 49.6	2.900	3.671	11.2	22.4

497633 2006 QS_{166} 2 23.9 157°.19 2°.5/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.73	− 1 59.5	3.111	3.886	10.0	22.4
2 1	10 40.63	− 1 51.9	3.026	3.894	7.8	22.2
2 11	10 34.30	− 1 32.5	2.967	3.901	5.3	22.1
2 21	10 27.21	− 1 2.9	2.936	3.908	3.1	21.9
3 2	10 19.92	− 0 25.7	2.936	3.914	2.8	21.9
3 12	10 13.02	+ 0 15.7	2.968	3.919	4.8	22.0
3 22	10 7.05	+ 0 57.6	3.028	3.924	7.2	22.2
4 1	10 2.43	+ 1 36.7	3.114	3.929	9.5	22.4

64629 2001 XS_{45} 2 23.9 100°.24 5°.8/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.47	+24 22.1	1.850	2.702	12.7	19.2
2 1	10 46.31	+25 18.6	1.793	2.708	9.5	19.1
2 11	10 37.87	+26 11.3	1.760	2.713	6.7	18.9
2 21	10 28.03	+26 52.4	1.755	2.719	5.8	18.9
3 2	10 17.94	+27 15.1	1.778	2.724	7.7	19.0
3 12	10 8.82	+27 16.4	1.827	2.729	10.7	19.2
3 22	10 1.62	+26 56.5	1.900	2.735	13.7	19.4
4 1	9 56.94	+26 17.9	1.993	2.740	16.3	19.6

465399 2008 GD_{75} 2 23.9 257°.69 3°.0/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.41	+15 52.9	2.086	2.930	11.7	22.1
2 1	10 44.10	+16 53.8	1.992	2.910	8.5	21.9
2 11	10 36.69	+18 0.9	1.925	2.889	5.1	21.7
2 21	10 27.81	+19 7.7	1.886	2.868	3.0	21.5
3 2	10 18.35	+20 6.9	1.877	2.845	5.3	21.6
3 12	10 9.39	+20 52.5	1.897	2.823	8.9	21.7
3 22	10 1.89	+21 21.1	1.942	2.800	12.5	21.9
4 1	9 56.56	+21 31.5	2.008	2.776	15.6	22.1

89655 2001 XA_{251} 2 23.9 195°.34 1°.4/22.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.74	+12 40.7	2.674	3.509	9.8	20.4
2 1	10 40.87	+13 23.0	2.594	3.507	7.0	20.2
2 11	10 34.54	+14 10.8	2.541	3.505	4.0	20.0
2 21	10 27.28	+14 59.8	2.517	3.503	1.5	19.8
3 2	10 19.76	+15 45.3	2.524	3.500	3.3	20.0
3 12	10 12.70	+16 23.4	2.561	3.498	6.3	20.1
3 22	10 6.74	+16 51.3	2.625	3.495	9.2	20.3
4 1	10 2.37	+17 7.5	2.713	3.492	11.7	20.5

307334 2002 RW_{32} 2 23.9 110°.09 0°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.06	+ 9 30.5	1.802	2.634	13.9	21.1
2 1	10 46.62	+ 9 44.2	1.738	2.647	10.1	20.9
2 11	10 38.01	+10 6.9	1.698	2.661	5.8	20.6
2 21	10 28.06	+10 34.1	1.686	2.674	1.3	20.3
3 2	10 17.88	+11 0.4	1.703	2.686	3.4	20.5
3 12	10 8.62	+11 21.0	1.749	2.698	7.8	20.8
3 22	10 1.18	+11 32.6	1.821	2.710	11.6	21.1
4 1	9 56.17	+11 33.5	1.916	2.722	14.9	21.3

56276 1999 JY_{123} 2 23.9 299°.62 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.46	+ 6 50.6	1.732	2.571	14.0	18.4
2 1	10 42.16	+ 7 28.4	1.646	2.558	10.4	18.2
2 11	10 35.64	+ 8 21.0	1.582	2.546	6.1	17.9
2 21	10 27.58	+ 9 23.4	1.546	2.533	1.4	17.6
3 2	10 18.97	+10 28.7	1.537	2.521	3.5	17.7
3 12	10 10.99	+11 29.3	1.556	2.509	8.2	17.9
3 22	10 4.63	+12 19.0	1.600	2.497	12.5	18.1
4 1	10 0.63	+12 53.9	1.666	2.486	16.1	18.4

110770 2001 UC_{27} 2 23.9 112°.10 7°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.40	+27 41.8	1.876	2.730	12.4	19.8
2 1	10 44.89	+29 24.2	1.829	2.739	9.7	19.6
2 11	10 37.10	+31 0.6	1.807	2.748	7.7	19.5
2 21	10 27.87	+32 21.1	1.813	2.756	7.6	19.5
3 2	10 18.35	+33 17.7	1.846	2.765	9.4	19.7
3 12	10 9.76	+33 46.7	1.904	2.773	12.0	19.8
3 22	10 3.05	+33 48.7	1.985	2.781	14.6	20.0
4 1	9 58.85	+33 26.7	2.083	2.789	16.9	20.2

190736 2001 PM_{43} 2 23.9 57°.98 10°.0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 7.10	− 6 54.2	1.221	1.997	22.3	18.9
2 1	10 57.45	− 9 10.8	1.176	2.030	18.3	18.7
2 11	10 44.48	−10 59.9	1.152	2.064	14.1	18.6
2 21	10 29.53	−12 15.1	1.153	2.097	10.8	18.5
3 2	10 14.45	−12 54.4	1.180	2.131	10.1	18.6
3 12	10 1.16	−13 2.7	1.233	2.164	12.2	18.8
3 22	9 50.99	−12 49.6	1.309	2.197	15.3	19.0
4 1	9 44.58	−12 25.5	1.405	2.230	18.3	19.3

129599 1997 VD_{8} 2 23.9 90°.10 0°.7/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.28	+ 5 57.7	1.512	2.345	16.0	20.4
2 1	10 46.32	+ 6 21.6	1.455	2.363	11.8	20.2
2 11	10 37.94	+ 7 0.6	1.420	2.381	7.0	20.0
2 21	10 28.06	+ 7 49.1	1.412	2.399	1.9	19.7
3 2	10 17.95	+ 8 40.2	1.431	2.416	3.5	19.8
3 12	10 8.91	+ 9 26.4	1.479	2.433	8.4	20.2
3 22	10 1.95	+10 2.5	1.551	2.450	12.7	20.4
4 1	9 57.69	+10 25.4	1.644	2.466	16.2	20.7

340656 2006 RE_{13} 2 23.9 152°.17 4°.0/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.15	− 5 39.1	2.475	3.245	12.4	21.6
2 1	10 40.54	− 5 34.4	2.389	3.248	10.0	21.4
2 11	10 34.39	− 5 12.5	2.327	3.251	7.2	21.2
2 21	10 27.27	− 4 34.8	2.291	3.253	4.8	21.1
3 2	10 19.85	− 3 44.2	2.284	3.256	4.1	21.0
3 12	10 12.91	− 2 45.6	2.307	3.258	6.0	21.2
3 22	10 7.11	− 1 44.3	2.357	3.261	8.7	21.3
4 1	10 2.97	− 0 45.4	2.433	3.263	11.3	21.5

502534 2015 BH_{440} 2 23.9 7°.37 0°.1/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.84	+ 9 2.5	2.027	2.860	12.5	21.5
2 1	10 43.48	+ 9 14.9	1.950	2.860	9.2	21.2
2 11	10 36.21	+ 9 35.9	1.897	2.860	5.3	21.0
2 21	10 27.69	+10 1.9	1.872	2.860	1.2	20.7
3 2	10 18.84	+10 28.2	1.877	2.860	3.0	20.9
3 12	10 10.66	+10 50.3	1.910	2.861	7.1	21.1
3 22	10 3.98	+11 4.7	1.970	2.861	10.8	21.3
4 1	9 59.40	+11 9.4	2.052	2.862	13.9	21.5

282504 2004 PA_{101} 2 23.9 169°.20 1°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.22	+ 5 18.6	1.778	2.598	14.5	20.9
2 1	10 46.91	+ 5 27.6	1.701	2.602	10.9	20.7
2 11	10 38.30	+ 5 49.9	1.648	2.605	6.6	20.5
2 21	10 28.18	+ 6 21.9	1.622	2.608	2.2	20.2
3 2	10 17.65	+ 6 58.4	1.626	2.610	3.2	20.3
3 12	10 7.92	+ 7 33.6	1.658	2.611	7.7	20.5
3 22	9 59.99	+ 8 2.7	1.716	2.612	11.8	20.8
4 1	9 54.55	+ 8 22.1	1.797	2.612	15.3	21.0

136615 1994 AP_{10} 2 23.9 58°.67 3°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 44.55	+17 35.6	2.447	3.296	10.1	19.5
2 1	10 40.11	+18 40.4	2.384	3.304	7.2	19.3
2 11	10 34.14	+19 47.8	2.349	3.311	4.4	19.1
2 21	10 27.21	+20 52.0	2.342	3.319	3.1	19.1
3 2	10 20.07	+21 47.3	2.365	3.327	4.9	19.2
3 12	10 13.48	+22 29.4	2.416	3.335	7.6	19.4
3 22	10 8.12	+22 56.3	2.493	3.343	10.3	19.6
4 1	10 4.46	+23 7.5	2.592	3.351	12.7	19.7

285130 1995 SZ_{62} 2 23.9 289°.33 2°.3/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.56	+12 44.6	1.550	2.402	14.6	21.1
2 1	10 44.79	+13 30.1	1.462	2.383	10.7	20.8
2 11	10 37.36	+14 26.4	1.398	2.364	6.2	20.5
2 21	10 28.03	+15 26.2	1.359	2.345	2.4	20.2
3 2	10 17.96	+16 21.2	1.348	2.326	5.2	20.3
3 12	10 8.57	+17 3.3	1.364	2.307	10.1	20.5
3 22	10 1.11	+17 27.8	1.403	2.288	14.7	20.8
4 1	9 56.44	+17 32.8	1.462	2.269	18.6	21.0

431237 2006 SS_{399} 2 23.9 135°.03 4°.9/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.17	+26 19.6	2.544	3.385	10.0	21.0
2 1	10 44.85	+27 1.0	2.484	3.391	7.6	20.9
2 11	10 36.84	+27 37.6	2.451	3.397	5.6	20.8
2 21	10 27.82	+28 3.9	2.447	3.403	5.0	20.7
3 2	10 18.63	+28 15.7	2.472	3.409	6.4	20.8
3 12	10 10.17	+28 11.0	2.525	3.414	8.7	21.0
3 22	10 3.14	+27 49.8	2.603	3.419	11.0	21.1
4 1	9 58.03	+27 13.8	2.704	3.424	13.1	21.3

373428 1999 TC_5 2 23.9 10°.08 3°.1/ 1.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	1 25.37	−68 45.2	0.479	0.912	83.9	19.5
2 1	1 45.89	−74 11.1	0.434	0.920	85.4	19.4
2 11	2 21.00	−80 40.3	0.379	0.947	84.6	19.1
2 21	7 1.41	−87 15.5	0.320	0.990	80.5	18.7
3 2	12 24.99	−77 0.7	0.262	1.046	70.8	18.1
3 12	12 51.27	−57 5.0	0.218	1.111	52.6	17.3
3 22	12 56.07	−30 10.7	0.213	1.183	26.4	16.6
4 1	12 55.98	− 6 26.1	0.260	1.259	3.1	16.3

502555 2015 BU_{472} 2 23.9 188°.29 1°.9/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.74	+ 1 59.4	2.292	3.097	12.2	21.9
2 1	10 42.53	+ 2 11.1	2.206	3.096	9.3	21.7
2 11	10 35.62	+ 2 35.9	2.145	3.095	6.0	21.5
2 21	10 27.58	+ 3 11.4	2.113	3.094	2.7	21.3
3 2	10 19.21	+ 3 53.8	2.110	3.093	2.8	21.3
3 12	10 11.37	+ 4 38.1	2.136	3.091	6.1	21.5
3 22	10 4.81	+ 5 19.7	2.190	3.089	9.5	21.7
4 1	10 0.09	+ 5 54.8	2.269	3.086	12.5	21.9

281047 2006 HL_{110} 2 23.9 264°.45 2°.1/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.35	+ 2 22.8	2.286	3.091	12.2	20.9
2 1	10 43.11	+ 2 22.2	2.184	3.074	9.4	20.7
2 11	10 36.04	+ 2 34.1	2.107	3.057	6.1	20.4
2 21	10 27.71	+ 2 56.6	2.058	3.039	2.8	20.2
3 2	10 18.89	+ 3 26.5	2.038	3.021	3.0	20.2
3 12	10 10.49	+ 3 59.5	2.048	3.002	6.4	20.3
3 22	10 3.33	+ 4 31.1	2.085	2.984	9.9	20.5
4 1	9 58.05	+ 4 57.5	2.146	2.965	13.0	20.7

198720 2005 CN_{72} 2 23.9 121°.80 2°.1/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.24	+12 57.2	2.211	3.053	11.2	20.6
2 1	10 41.48	+14 4.3	2.143	3.060	8.1	20.4
2 11	10 35.00	+15 18.2	2.102	3.068	4.6	20.2
2 21	10 27.44	+16 32.8	2.090	3.075	2.1	20.1
3 2	10 19.62	+17 41.5	2.108	3.081	4.2	20.2
3 12	10 12.41	+18 38.7	2.155	3.088	7.6	20.5
3 22	10 6.54	+19 21.1	2.228	3.094	10.7	20.7
4 1	10 2.56	+19 47.3	2.323	3.101	13.4	20.9

153616 2001 TD_{17} 2 23.9 80°.71 11°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.14	−23 43.3	1.962	2.624	18.5	19.5
2 1	10 43.31	−24 48.6	1.882	2.629	16.6	19.4
2 11	10 36.29	−25 23.9	1.820	2.634	14.6	19.2
2 21	10 27.78	−25 25.2	1.777	2.639	12.9	19.1
3 2	10 18.75	−24 51.2	1.757	2.643	11.8	19.1
3 12	10 10.35	−23 45.8	1.760	2.648	11.9	19.1
3 22	10 3.56	−22 16.6	1.787	2.653	13.0	19.1
4 1	9 59.10	−20 33.6	1.836	2.658	14.8	19.3

376580 2013 PQ_{17} 2 23.9 173°.04 1°.1/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.05	+ 9 28.5	2.381	3.210	11.0	21.5
2 1	10 42.00	+10 40.2	2.303	3.213	7.9	21.3
2 11	10 35.30	+12 1.5	2.252	3.216	4.5	21.1
2 21	10 27.52	+13 27.0	2.231	3.218	1.3	20.9
3 2	10 19.44	+14 50.0	2.241	3.220	3.4	21.0
3 12	10 11.87	+16 4.4	2.282	3.221	6.9	21.2
3 22	10 5.55	+17 5.9	2.350	3.221	10.1	21.4
4 1	10 1.00	+17 52.1	2.442	3.221	12.8	21.6

47291 1999 VG_{195} 2 23.9 339°.02 4°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.07	+17 10.0	1.272	2.143	15.9	18.0
2 1	10 44.01	+18 8.0	1.203	2.133	11.7	17.8
2 11	10 37.01	+19 12.6	1.157	2.124	7.2	17.5
2 21	10 27.97	+20 13.8	1.135	2.116	4.6	17.3
3 2	10 18.32	+21 1.0	1.138	2.109	7.5	17.4
3 12	10 9.69	+21 26.4	1.166	2.102	12.2	17.7
3 22	10 3.40	+21 27.2	1.214	2.097	16.7	17.9
4 1	10 0.28	+21 4.3	1.281	2.092	20.5	18.2

507342 2011 UQ_{130} 2 23.9 199°.51 7°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.39	−23 43.7	3.461	4.078	11.7	22.4
2 1	10 40.49	−24 10.3	3.358	4.074	10.5	22.2
2 11	10 34.32	−24 18.0	3.275	4.069	9.2	22.1
2 21	10 27.30	−24 5.4	3.215	4.064	8.1	22.0
3 2	10 19.98	−23 32.8	3.181	4.058	7.4	22.0
3 12	10 12.98	−22 42.2	3.174	4.051	7.5	22.0
3 22	10 6.83	−21 37.5	3.194	4.044	8.3	22.0
4 1	10 1.99	−20 23.8	3.239	4.037	9.5	22.1

316757 1999 RK_{219} 2 23.9 161°.90 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 54.67	+ 7 35.4	1.705	2.532	14.7	21.0
2 1	10 48.03	+ 8 0.9	1.632	2.539	10.9	20.8
2 11	10 38.99	+ 8 38.8	1.584	2.545	6.4	20.5
2 21	10 28.39	+ 9 24.0	1.563	2.550	1.5	20.2
3 2	10 17.39	+10 10.0	1.571	2.555	3.5	20.4
3 12	10 7.28	+10 50.5	1.609	2.559	8.2	20.6
3 22	9 59.10	+11 20.7	1.672	2.561	12.4	20.9
4 1	9 53.55	+11 38.0	1.757	2.563	16.0	21.1

16351 1971 US 2 23.9 88°.41 1°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 53.78	+11 36.4	1.569	2.412	15.0	18.7
2 1	10 47.28	+12 25.9	1.522	2.438	10.8	18.5
2 11	10 38.43	+13 24.1	1.499	2.465	6.1	18.3
2 21	10 28.23	+14 23.2	1.504	2.490	1.9	18.1
3 2	10 17.92	+15 15.5	1.537	2.515	4.5	18.3
3 12	10 8.77	+15 54.8	1.597	2.540	8.9	18.6
3 22	10 1.74	+16 18.1	1.683	2.564	12.9	18.9
4 1	9 57.37	+16 24.8	1.790	2.588	16.1	19.2

377432 2004 TK_{214} 2 23.9 76°.61 0°.3/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.57	+ 6 44.2	1.896	2.727	13.3	21.6
2 1	10 42.66	+ 7 14.5	1.824	2.733	9.8	21.4
2 11	10 35.79	+ 7 57.1	1.777	2.738	5.8	21.2
2 21	10 27.66	+ 8 47.4	1.757	2.744	1.4	20.9
3 2	10 19.21	+ 9 39.5	1.766	2.750	3.0	21.0
3 12	10 11.47	+10 27.3	1.803	2.755	7.3	21.3
3 22	10 5.29	+11 6.0	1.866	2.761	11.1	21.5
4 1	10 1.27	+11 32.7	1.951	2.767	14.3	21.8

60444 2000 CV_{85} 2 23.9 242°.29 0°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.50	+10 11.8	2.188	3.024	11.6	18.6
2 1	10 41.75	+10 54.4	2.107	3.020	8.4	18.4
2 11	10 35.23	+11 45.9	2.051	3.015	4.8	18.2
2 21	10 27.54	+12 41.4	2.023	3.010	1.2	17.9
3 2	10 19.50	+13 35.3	2.025	3.006	3.4	18.1
3 12	10 12.01	+14 22.1	2.056	3.001	7.1	18.3
3 22	10 5.85	+14 58.0	2.114	2.996	10.6	18.5
4 1	10 1.60	+15 20.6	2.194	2.991	13.5	18.7

226741 2004 RH_{13} 2 23.9 211°.08 4°.3/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.70	+22 7.9	2.270	3.112	11.0	20.7
2 1	10 46.25	+22 51.4	2.194	3.106	8.2	20.5
2 11	10 37.83	+23 33.6	2.144	3.100	5.5	20.4
2 21	10 28.13	+24 8.3	2.124	3.093	4.3	20.3
3 2	10 18.10	+24 30.1	2.133	3.086	6.0	20.4
3 12	10 8.76	+24 35.6	2.170	3.079	8.9	20.5
3 22	10 0.95	+24 24.2	2.234	3.071	11.8	20.7
4 1	9 55.29	+23 56.9	2.319	3.062	14.4	20.9

42935 1999 TS_{26} 2 23.9 215°.97 0°.7/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.31	+ 5 24.1	2.051	2.869	12.9	20.6
2 1	10 44.68	+ 5 51.9	1.961	2.861	9.7	20.4
2 11	10 37.03	+ 6 32.9	1.895	2.853	5.8	20.1
2 21	10 27.98	+ 7 23.0	1.857	2.843	1.7	19.8
3 2	10 18.45	+ 8 17.1	1.849	2.833	2.9	19.9
3 12	10 9.48	+ 9 9.1	1.871	2.822	7.1	20.1
3 22	10 1.96	+ 9 53.7	1.919	2.811	11.0	20.3
4 1	9 56.59	+10 27.5	1.991	2.799	14.3	20.5

245410 2005 JX_9 2 23.9 71°.97 4°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.85	+20 18.4	2.062	2.911	11.6	20.3
2 1	10 44.15	+21 4.9	2.006	2.924	8.5	20.1
2 11	10 36.56	+21 51.0	1.977	2.937	5.4	20.0
2 21	10 27.83	+22 30.3	1.976	2.950	4.0	19.9
3 2	10 18.93	+22 57.4	2.003	2.963	5.8	20.0
3 12	10 10.86	+23 8.8	2.059	2.976	8.8	20.2
3 22	10 4.41	+23 3.7	2.139	2.989	11.8	20.4
4 1	10 0.11	+22 43.0	2.241	3.002	14.3	20.6

430336 2013 YR_{51} 2 23.9 338°.69 4°.7/18.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 43.96	+19 6.3	1.822	2.686	12.3	20.7
2 1	10 40.32	+20 35.1	1.750	2.676	9.0	20.5
2 11	10 34.58	+22 8.2	1.704	2.666	5.9	20.3
2 21	10 27.43	+23 36.7	1.685	2.657	4.8	20.2
3 2	10 19.82	+24 51.9	1.693	2.649	7.1	20.3
3 12	10 12.88	+25 46.8	1.728	2.641	10.5	20.5
3 22	10 7.53	+26 18.5	1.786	2.635	13.8	20.7
4 1	10 4.44	+26 26.8	1.863	2.628	16.7	20.8

467427 2005 VG_{91} 2 23.9 29°.48 6°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.12	− 7 27.2	1.638	2.420	17.3	20.5
2 1	10 43.38	− 8 5.7	1.566	2.426	14.1	20.3
2 11	10 36.37	− 8 20.3	1.514	2.433	10.7	20.1
2 21	10 27.84	− 8 10.3	1.485	2.440	7.7	19.9
3 2	10 18.89	− 7 37.9	1.483	2.448	6.8	19.9
3 12	10 10.71	− 6 49.0	1.506	2.456	8.7	20.0
3 22	10 4.32	− 5 51.6	1.555	2.464	11.9	20.2
4 1	10 0.40	− 4 53.5	1.625	2.473	15.1	20.5

150956 2001 TZ_{132} 2 23.9 51°.37 1°.2/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.57	+12 38.6	1.582	2.427	14.8	19.8
2 1	10 47.28	+12 42.4	1.520	2.437	10.7	19.6
2 11	10 38.55	+12 52.6	1.483	2.448	6.2	19.4
2 21	10 28.32	+13 4.2	1.472	2.459	1.6	19.1
3 2	10 17.84	+13 11.7	1.489	2.470	4.1	19.3
3 12	10 8.43	+13 11.1	1.534	2.482	8.7	19.6
3 22	10 1.09	+13 0.2	1.603	2.494	12.8	19.9
4 1	9 56.47	+12 38.3	1.694	2.506	16.3	20.1

242412 2004 GM_{13} 2 23.9 252°.50 4°.0/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.65	− 5 49.5	2.511	3.280	12.3	21.1
2 1	10 40.27	− 5 44.1	2.413	3.271	9.9	20.9
2 11	10 34.34	− 5 21.5	2.339	3.262	7.2	20.7
2 21	10 27.37	− 4 42.7	2.291	3.253	4.8	20.6
3 2	10 20.04	− 3 50.4	2.272	3.244	4.1	20.5
3 12	10 13.12	− 2 49.4	2.283	3.234	6.0	20.6
3 22	10 7.28	− 1 45.0	2.321	3.225	8.8	20.8
4 1	10 3.06	− 0 42.6	2.384	3.215	11.5	20.9

125958 2001 XK_{264} 2 23.9 317°.25 3°.8/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.77	+16 25.9	1.293	2.158	16.2	18.8
2 1	10 46.76	+17 4.0	1.220	2.147	11.9	18.5
2 11	10 38.67	+17 48.3	1.169	2.136	7.1	18.2
2 21	10 28.43	+18 30.0	1.142	2.126	3.9	18.0
3 2	10 17.50	+18 59.8	1.142	2.116	6.7	18.1
3 12	10 7.60	+19 10.8	1.165	2.106	11.7	18.4
3 22	10 0.12	+19 0.6	1.211	2.098	16.4	18.6
4 1	9 55.92	+18 30.0	1.275	2.089	20.5	18.8

322871 2001 UL_{215} 2 23.9 76°.85 0°.9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.10	+ 4 59.6	1.748	2.577	14.3	21.1
2 1	10 43.19	+ 5 29.1	1.679	2.585	10.6	20.9
2 11	10 36.17	+ 6 13.4	1.633	2.593	6.4	20.6
2 21	10 27.80	+ 7 8.0	1.614	2.600	1.9	20.3
3 2	10 19.10	+ 8 6.3	1.623	2.608	3.1	20.4
3 12	10 11.18	+ 9 1.5	1.661	2.616	7.5	20.7
3 22	10 4.95	+ 9 47.9	1.724	2.624	11.5	21.0
4 1	10 1.03	+10 21.9	1.809	2.631	14.9	21.2

450351 2004 VQ_{11} 2 23.9 138°.58 1°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.97	+10 23.7	1.805	2.641	13.7	22.0
2 1	10 45.93	+11 14.0	1.740	2.653	9.9	21.8
2 11	10 37.72	+12 14.3	1.700	2.664	5.6	21.5
2 21	10 28.15	+13 18.0	1.688	2.675	1.5	21.3
3 2	10 18.27	+14 17.7	1.705	2.685	4.0	21.5
3 12	10 9.26	+15 7.1	1.751	2.694	8.3	21.7
3 22	10 2.02	+15 42.2	1.823	2.703	12.1	22.0
4 1	9 57.19	+16 1.4	1.917	2.711	15.3	22.2

361681 2007 UO_{46} 2 23.9 141°.83 1°.0/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.40	+ 9 51.9	1.995	2.826	12.8	22.0
2 1	10 45.34	+10 40.3	1.928	2.839	9.2	21.8
2 11	10 37.31	+11 38.0	1.887	2.851	5.3	21.6
2 21	10 28.05	+12 39.3	1.875	2.862	1.3	21.3
3 2	10 18.52	+13 37.6	1.892	2.873	3.6	21.5
3 12	10 9.75	+14 27.2	1.939	2.883	7.6	21.8
3 22	10 2.60	+15 4.2	2.013	2.892	11.2	22.0
4 1	9 57.63	+15 26.7	2.109	2.900	14.2	22.2

306734 2000 WX_{173} 2 23.9 120°.28 3°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.85	+16 39.5	1.756	2.606	13.3	20.9
2 1	10 45.90	+17 59.5	1.702	2.622	9.6	20.7
2 11	10 37.71	+19 23.8	1.674	2.637	5.8	20.5
2 21	10 28.14	+20 43.4	1.673	2.652	3.8	20.4
3 2	10 18.32	+21 49.9	1.702	2.666	6.1	20.6
3 12	10 9.45	+22 37.4	1.758	2.680	9.8	20.8
3 22	10 2.46	+23 3.7	1.839	2.693	13.2	21.0
4 1	9 57.96	+23 9.4	1.940	2.706	16.1	21.3

151945 2004 FY_{106} 2 23.9 177°.86 1°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 55.45	+13 8.4	1.845	2.679	13.5	20.3
2 1	10 48.54	+13 43.1	1.770	2.682	9.8	20.1
2 11	10 39.29	+14 24.5	1.720	2.684	5.6	19.9
2 21	10 28.52	+15 6.5	1.699	2.685	2.0	19.6
3 2	10 17.35	+15 42.7	1.708	2.686	4.4	19.8
3 12	10 7.03	+16 7.8	1.746	2.685	8.6	20.0
3 22	9 58.56	+16 19.0	1.810	2.683	12.5	20.3
4 1	9 52.62	+16 15.7	1.896	2.681	15.8	20.5

283591 2001 XV_{245} 2 23.9 98°.07 3°.1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.02	+ 0 34.6	1.556	2.369	16.6	20.7
2 1	10 46.87	+ 0 36.4	1.495	2.387	12.7	20.5
2 11	10 38.33	+ 0 57.6	1.457	2.406	8.3	20.3
2 21	10 28.29	+ 1 35.0	1.444	2.424	4.1	20.1
3 2	10 17.99	+ 2 23.0	1.459	2.442	4.0	20.1
3 12	10 8.71	+ 3 14.2	1.502	2.459	8.0	20.4
3 22	10 1.47	+ 4 2.0	1.570	2.476	12.1	20.7
4 1	9 56.89	+ 4 41.0	1.660	2.492	15.6	20.9

230982 2005 AH_{76} 2 23.9 323°.22 1°.9/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.15	+12 50.9	1.959	2.805	12.3	20.7
2 1	10 42.42	+13 35.1	1.883	2.801	8.9	20.5
2 11	10 35.71	+14 26.8	1.832	2.798	5.1	20.3
2 21	10 27.71	+15 20.1	1.809	2.795	1.9	20.1
3 2	10 19.35	+16 8.6	1.815	2.792	4.2	20.2
3 12	10 11.63	+16 46.8	1.849	2.790	8.1	20.4
3 22	10 5.44	+17 11.2	1.908	2.787	11.7	20.6
4 1	10 1.38	+17 20.3	1.990	2.785	14.8	20.8

283467 2001 QA_{124} 2 23.9 197°.96 2°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 53.90	+12 56.7	1.793	2.632	13.6	21.5
2 1	10 47.53	+13 36.9	1.715	2.629	9.9	21.2
2 11	10 38.78	+14 24.9	1.661	2.626	5.7	21.0
2 21	10 28.43	+15 14.2	1.636	2.622	2.1	20.7
3 2	10 17.60	+15 57.9	1.639	2.617	4.6	20.9
3 12	10 7.55	+16 30.0	1.672	2.611	8.9	21.1
3 22	9 59.34	+16 47.3	1.729	2.604	12.9	21.3
4 1	9 53.68	+16 48.7	1.809	2.597	16.3	21.5

290364 2005 SK_{265} 2 23.9 128°.61 1°.5/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.38	+ 3 6.6	2.347	3.150	12.0	22.4
2 1	10 44.31	+ 3 23.0	2.277	3.167	9.0	22.2
2 11	10 36.60	+ 3 51.3	2.233	3.184	5.6	22.0
2 21	10 27.89	+ 4 28.5	2.218	3.201	2.2	21.8
3 2	10 18.98	+ 5 10.4	2.233	3.216	2.6	21.9
3 12	10 10.72	+ 5 52.4	2.279	3.231	6.0	22.1
3 22	10 3.80	+ 6 30.2	2.352	3.246	9.2	22.3
4 1	9 58.74	+ 7 0.7	2.451	3.259	11.9	22.5

262772 2006 YH_{7} 2 23.9 157°.96 1°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.57	+ 3 34.5	2.127	2.940	12.7	20.8
2 1	10 43.24	+ 4 12.9	2.049	2.947	9.5	20.6
2 11	10 36.10	+ 5 5.4	1.997	2.953	5.8	20.4
2 21	10 27.80	+ 6 8.0	1.973	2.958	2.0	20.2
3 2	10 19.17	+ 7 14.9	1.979	2.963	2.7	20.2
3 12	10 11.17	+ 8 19.9	2.014	2.967	6.6	20.5
3 22	10 4.57	+ 9 17.6	2.077	2.971	10.2	20.7
4 1	9 59.94	+10 4.1	2.164	2.974	13.2	20.9

50380 2000 CE_{89} 2 23.9 170°.04 4°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 54.46	+22 22.7	2.165	3.006	11.5	18.3
2 1	10 47.54	+23 8.5	2.099	3.010	8.5	18.1
2 11	10 38.58	+23 52.4	2.059	3.014	5.7	17.9
2 21	10 28.35	+24 27.7	2.047	3.016	4.5	17.8
3 2	10 17.86	+24 49.0	2.066	3.019	6.3	18.0
3 12	10 8.18	+24 53.1	2.113	3.020	9.2	18.1
3 22	10 0.17	+24 39.5	2.185	3.021	12.1	18.3
4 1	9 54.45	+24 10.0	2.279	3.021	14.6	18.5

140336 2001 TP_{4} 2 23.9 112°.94 0°.8/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.94	+ 5 9.0	2.355	3.173	11.5	20.5
2 1	10 41.18	+ 5 36.2	2.279	3.179	8.5	20.3
2 11	10 34.84	+ 6 14.5	2.228	3.185	5.1	20.1
2 21	10 27.50	+ 7 0.3	2.205	3.191	1.6	19.8
3 2	10 19.90	+ 7 49.1	2.213	3.197	2.5	19.9
3 12	10 12.86	+ 8 36.1	2.250	3.203	6.0	20.2
3 22	10 7.03	+ 9 17.1	2.314	3.208	9.2	20.4
4 1	10 2.95	+ 9 48.9	2.402	3.214	12.0	20.6

334574 2002 TA_{105} 2 23.9 144°.48 0°.9/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.01	+ 4 39.9	2.522	3.333	11.0	21.6
2 1	10 41.85	+ 5 2.4	2.444	3.341	8.2	21.4
2 11	10 35.18	+ 5 35.4	2.392	3.348	5.0	21.2
2 21	10 27.58	+ 6 15.7	2.370	3.355	1.7	21.0
3 2	10 19.73	+ 6 59.3	2.377	3.362	2.4	21.1
3 12	10 12.41	+ 7 41.9	2.415	3.368	5.7	21.3
3 22	10 6.25	+ 8 19.5	2.481	3.374	8.8	21.5
4 1	10 1.75	+ 8 49.4	2.571	3.379	11.4	21.7

372631 2009 VJ_{71} 2 23.9 82°.63 2°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.01	+13 53.1	1.903	2.749	12.6	21.1
2 1	10 43.69	+14 39.6	1.842	2.760	9.1	20.9
2 11	10 36.39	+15 32.1	1.806	2.771	5.2	20.7
2 21	10 27.86	+16 24.1	1.798	2.783	2.3	20.6
3 2	10 19.08	+17 9.3	1.818	2.794	4.5	20.7
3 12	10 11.11	+17 42.6	1.867	2.804	8.3	21.0
3 22	10 4.79	+18 1.2	1.941	2.815	11.7	21.2
4 1	10 0.67	+18 4.4	2.037	2.826	14.7	21.4

498589 2008 QM_{34} 2 23.9 194°.74 0°.5/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.46	+ 7 47.1	2.445	3.269	10.9	22.1
2 1	10 41.59	+ 8 50.8	2.360	3.267	7.9	21.9
2 11	10 35.12	+10 5.3	2.302	3.264	4.6	21.7
2 21	10 27.58	+11 25.7	2.273	3.261	1.0	21.4
3 2	10 19.70	+12 45.9	2.276	3.257	2.9	21.6
3 12	10 12.29	+13 59.9	2.309	3.252	6.5	21.8
3 22	10 6.06	+15 3.1	2.369	3.247	9.7	22.0
4 1	10 1.54	+15 52.5	2.454	3.242	12.5	22.1

7010 Locke 2 23.9 102°.29 1°.7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 55.12	+12 24.8	1.504	2.348	15.4	17.5
2 1	10 48.50	+12 53.2	1.447	2.364	11.2	17.3
2 11	10 39.31	+13 29.5	1.413	2.378	6.4	17.0
2 21	10 28.53	+14 7.0	1.406	2.393	2.0	16.8
3 2	10 17.51	+14 38.6	1.427	2.407	4.6	17.0
3 12	10 7.66	+14 58.7	1.476	2.421	9.3	17.3
3 22	10 0.03	+15 4.6	1.549	2.434	13.5	17.6
4 1	9 55.26	+14 55.9	1.642	2.447	17.0	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
46066 2001 DV_{95}			2 23.9 272°.64	1°.6/22.6 18		
	h m	° ′			°	m
1 22	10 49.03	+10 52.3	1.658	2.504	14.2	19.6
2 1	10 44.26	+11 43.9	1.570	2.489	10.4	19.3
2 11	10 37.04	+12 47.8	1.507	2.473	6.0	19.0
2 21	10 28.07	+13 57.5	1.470	2.457	1.8	18.7
3 2	10 18.46	+15 4.6	1.461	2.441	4.6	18.9
3 12	10 9.49	+16 1.0	1.480	2.425	9.3	19.1
3 22	10 2.29	+16 41.3	1.523	2.408	13.7	19.3
4 1	9 57.67	+17 2.9	1.587	2.392	17.5	19.5
328230 2008 FR_{41}			2 23.9 134°.51	3°.6/27.6 18		
1 22	10 46.49	− 4 30.7	1.886	2.675	15.0	21.0
2 1	10 41.95	− 3 51.8	1.806	2.681	11.8	20.8
2 11	10 35.46	− 2 49.5	1.749	2.687	8.2	20.6
2 21	10 27.67	− 1 27.1	1.719	2.692	4.7	20.4
3 2	10 19.52	+ 0 9.4	1.717	2.697	3.9	20.4
3 12	10 12.03	+ 1 51.4	1.744	2.702	7.0	20.6
3 22	10 6.04	+ 3 30.2	1.799	2.707	10.7	20.8
4 1	10 2.19	+ 4 58.6	1.877	2.711	14.0	21.0
348486 2005 SY_{195}			2 23.9 194°.98	0°.2/23.7 16		
1 22	10 48.85	+ 7 58.2	2.014	2.843	12.7	22.1
2 1	10 43.60	+ 8 33.6	1.933	2.842	9.3	21.9
2 11	10 36.39	+ 9 20.0	1.878	2.840	5.4	21.7
2 21	10 27.89	+10 12.9	1.851	2.838	1.2	21.4
3 2	10 19.00	+11 6.4	1.853	2.836	3.1	21.5
3 12	10 10.74	+11 54.5	1.884	2.833	7.3	21.8
3 22	10 3.96	+12 32.8	1.942	2.830	11.0	22.0
4 1	9 59.30	+12 58.5	2.022	2.827	14.2	22.2
45746 2000 JW_{14}			2 23.9 242°.66	2°.9/20.9 18		
1 22	10 47.12	+16 44.0	2.304	3.150	10.7	18.9
2 1	10 42.18	+17 36.8	2.226	3.144	7.8	18.7
2 11	10 35.50	+18 33.2	2.175	3.138	4.7	18.5
2 21	10 27.68	+19 27.7	2.152	3.132	2.9	18.3
3 2	10 19.51	+20 14.4	2.159	3.126	4.8	18.5
3 12	10 11.91	+20 48.7	2.195	3.120	7.9	18.6
3 22	10 5.62	+21 8.2	2.256	3.114	11.0	18.8
4 1	10 1.21	+21 12.2	2.339	3.107	13.6	19.0
506726 2006 UQ_{263}			2 23.9 199°.70	1°.9/26.3 17		
1 22	10 45.31	+ 0 14.3	3.141	3.928	9.7	23.0
2 1	10 40.44	+ 0 32.9	3.045	3.923	7.4	22.8
2 11	10 34.32	+ 1 2.7	2.975	3.918	4.9	22.6
2 21	10 27.39	+ 1 41.5	2.935	3.913	2.5	22.5
3 2	10 20.21	+ 2 26.6	2.925	3.907	2.3	22.5
3 12	10 13.36	+ 3 14.2	2.947	3.900	4.7	22.6
3 22	10 7.40	+ 4 0.6	2.998	3.893	7.3	22.8
4 1	10 2.75	+ 4 42.7	3.074	3.886	9.7	22.9
367779 2010 XC_{60}			2 23.9 72°.65	3°.7/26.8 18		
1 22	10 49.50	− 1 11.9	1.712	2.517	15.7	20.6
2 1	10 44.22	− 1 17.0	1.644	2.530	12.2	20.4
2 11	10 36.78	− 1 2.9	1.600	2.543	8.2	20.2
2 21	10 27.97	− 0 31.8	1.581	2.556	4.6	20.0
3 2	10 18.86	+ 0 12.0	1.589	2.569	4.2	20.0
3 12	10 10.59	+ 1 1.7	1.625	2.582	7.5	20.3
3 22	10 4.06	+ 1 50.9	1.687	2.596	11.2	20.5
4 1	9 59.91	+ 2 33.9	1.772	2.609	14.6	20.7
36480 2000 QL_{30}			2 23.9 103°.04	3°.9/21.1 18		
1 22	10 54.67	+17 49.0	1.562	2.414	14.6	18.7
2 1	10 48.16	+18 35.7	1.507	2.426	10.6	18.5
2 11	10 39.11	+19 24.8	1.475	2.439	6.4	18.3
2 21	10 28.50	+20 8.2	1.471	2.451	3.9	18.1
3 2	10 17.65	+20 38.2	1.495	2.463	6.3	18.3
3 12	10 7.95	+20 50.2	1.545	2.475	10.3	18.6
3 22	10 0.44	+20 43.3	1.619	2.486	14.1	18.8
4 1	9 55.76	+20 18.8	1.714	2.497	17.2	19.1
170271 2003 QL_{78}			2 23.9 141°.51	0°.4/24.3 18		
1 22	10 52.57	+ 6 41.3	2.055	2.873	12.9	21.2
2 1	10 46.13	+ 7 4.1	1.985	2.886	9.5	21.0
2 11	10 37.77	+ 7 37.7	1.940	2.899	5.6	20.8
2 21	10 28.19	+ 8 18.0	1.924	2.911	1.5	20.5
3 2	10 18.36	+ 8 59.9	1.938	2.922	2.9	20.7
3 12	10 9.29	+ 9 38.2	1.982	2.932	6.9	20.9
3 22	10 1.79	+10 8.8	2.053	2.942	10.5	21.2
4 1	9 56.46	+10 29.2	2.148	2.951	13.6	21.4
56023 1998 VX_{28}			2 23.9 124°.00	3°.6/26.6 18		
1 22	10 52.37	− 0 58.2	1.603	2.409	16.5	19.4
2 1	10 46.47	− 0 58.8	1.534	2.420	12.8	19.2
2 11	10 38.17	− 0 39.0	1.487	2.432	8.6	19.0
2 21	10 28.31	− 0 1.0	1.465	2.442	4.6	18.8
3 2	10 18.08	+ 0 49.9	1.472	2.453	4.3	18.8
3 12	10 8.76	+ 1 46.5	1.506	2.462	8.0	19.0
3 22	10 1.38	+ 2 41.3	1.565	2.472	12.1	19.3
4 1	9 56.62	+ 3 28.4	1.647	2.480	15.7	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
497828 2006 UY_{18}			2 23.9 118°.33	4°.0/28.5 17		
	h m	° ′			°	m
1 22	10 44.82	− 5 54.9	2.494	3.262	12.4	21.8
2 1	10 40.34	− 5 50.2	2.409	3.267	9.9	21.6
2 11	10 34.36	− 5 28.4	2.348	3.271	7.2	21.5
2 21	10 27.42	− 4 50.8	2.314	3.275	4.8	21.3
3 2	10 20.21	− 4 0.4	2.308	3.279	4.1	21.3
3 12	10 13.47	− 3 1.7	2.332	3.284	5.9	21.4
3 22	10 7.85	− 2 0.3	2.383	3.288	8.6	21.6
4 1	10 3.86	− 1 1.2	2.460	3.292	11.2	21.7
112265 2002 LM_{17}			2 23.9 289°.59	2°.2/22.2 17		
1 22	10 49.21	+12 6.7	1.525	2.378	14.8	19.8
2 1	10 44.62	+12 56.9	1.437	2.359	10.8	19.5
2 11	10 37.37	+13 59.2	1.373	2.340	6.3	19.2
2 21	10 28.19	+15 6.4	1.335	2.321	2.3	18.9
3 2	10 18.26	+16 9.3	1.324	2.302	5.2	19.1
3 12	10 9.00	+16 59.5	1.339	2.283	10.2	19.3
3 22	10 1.67	+17 31.6	1.378	2.265	14.8	19.5
4 1	9 57.15	+17 43.4	1.437	2.246	18.8	19.7
211671 2003 WK_{21}			2 23.9 215°.12	4°.4/20.2 18		
1 22	10 52.14	+19 14.7	1.796	2.647	13.0	20.1
2 1	10 46.31	+20 15.3	1.723	2.642	9.6	19.9
2 11	10 38.10	+21 18.4	1.676	2.637	6.1	19.7
2 21	10 28.31	+22 15.7	1.656	2.632	4.4	19.6
3 2	10 18.08	+22 59.7	1.665	2.627	6.6	19.7
3 12	10 8.65	+23 24.7	1.701	2.621	10.2	19.9
3 22	10 1.07	+23 29.2	1.761	2.614	13.8	20.1
4 1	9 56.05	+23 14.0	1.842	2.608	16.8	20.3
366773 2004 RP_{346}			2 23.9 190°.71	1°.7/22.2 17		
1 22	10 51.73	+14 44.5	2.603	3.432	10.2	21.1
2 1	10 45.30	+15 8.9	2.521	3.431	7.4	20.9
2 11	10 37.21	+15 36.5	2.466	3.428	4.3	20.7
2 21	10 28.08	+16 3.3	2.441	3.426	1.8	20.5
3 2	10 18.66	+16 25.1	2.447	3.422	3.5	20.7
3 12	10 9.80	+16 38.7	2.484	3.418	6.7	20.8
3 22	10 2.20	+16 42.1	2.549	3.413	9.6	21.0
4 1	9 56.39	+16 34.9	2.638	3.408	12.2	21.2
365595 2010 TM_{166}			2 23.9 138°.40	1°.8/22.1 18		
1 22	10 49.81	+12 16.5	2.057	2.895	12.1	21.3
2 1	10 44.19	+13 14.4	1.991	2.906	8.7	21.1
2 11	10 36.67	+14 19.7	1.952	2.916	5.0	20.9
2 21	10 27.96	+15 26.2	1.941	2.927	1.9	20.7
3 2	10 18.98	+16 27.1	1.960	2.936	4.1	20.9
3 12	10 10.73	+17 16.8	2.008	2.945	7.8	21.1
3 22	10 4.01	+17 52.0	2.083	2.954	11.2	21.3
4 1	9 59.38	+18 11.5	2.180	2.962	14.1	21.6
321744 2010 MM_{70}			2 23.9 30°.80	8°.8/ 1.7 18		
1 22	10 46.71	−10 40.4	1.284	2.071	20.9	19.7
2 1	10 42.75	−11 23.3	1.227	2.086	17.4	19.5
2 11	10 36.16	−11 33.1	1.188	2.101	13.6	19.3
2 21	10 27.87	−11 8.4	1.170	2.118	10.2	19.1
3 2	10 19.20	−10 12.6	1.175	2.135	8.8	19.1
3 12	10 11.59	− 8 54.7	1.204	2.154	10.3	19.2
3 22	10 6.15	− 7 26.4	1.255	2.173	13.5	19.5
4 1	10 3.58	− 5 59.0	1.328	2.193	16.8	19.7
130224 2000 BL_{7}			2 23.9 90°.84	1°.4/22.6 18		
1 22	10 47.63	+11 35.8	2.045	2.885	12.1	19.9
2 1	10 42.62	+12 19.8	1.977	2.893	8.7	19.7
2 11	10 35.77	+13 11.4	1.935	2.900	5.0	19.5
2 21	10 27.76	+14 5.1	1.921	2.908	1.6	19.2
3 2	10 19.47	+14 55.1	1.936	2.915	3.8	19.4
3 12	10 11.88	+15 35.8	1.980	2.923	7.5	19.7
3 22	10 5.77	+16 4.1	2.050	2.930	11.0	19.9
4 1	10 1.68	+16 18.4	2.142	2.937	13.9	20.1
205702 2002 AQ_{16}			2 23.9 91°.55	0°.4/23.7 18		
1 22	10 53.96	+ 9 42.0	1.484	2.326	15.8	19.9
2 1	10 47.77	+ 9 53.7	1.421	2.335	11.6	19.6
2 11	10 38.96	+10 16.1	1.380	2.344	6.7	19.4
2 21	10 28.50	+10 43.8	1.366	2.354	1.5	19.0
3 2	10 17.71	+11 10.5	1.379	2.363	3.9	19.2
3 12	10 7.99	+11 30.3	1.420	2.372	8.9	19.5
3 22	10 0.44	+11 39.5	1.485	2.381	13.3	19.8
4 1	9 55.75	+11 36.3	1.571	2.389	17.0	20.1
87620 2000 RO_{48}			2 23.9 120°.57	3°.8/27.5 18		
1 22	10 49.10	− 3 22.1	2.196	2.977	13.5	19.5
2 1	10 43.55	− 3 24.3	2.122	2.991	10.6	19.3
2 11	10 36.27	− 3 9.4	2.072	3.004	7.4	19.1
2 21	10 27.89	− 2 39.2	2.048	3.017	4.5	19.0
3 2	10 19.24	− 1 56.9	2.054	3.030	4.0	18.9
3 12	10 11.23	− 1 7.8	2.089	3.042	6.4	19.1
3 22	10 4.61	− 0 17.3	2.151	3.053	9.5	19.3
4 1	9 59.91	+ 0 29.6	2.238	3.065	12.3	19.5

451934 2014 LQ_{23} 2 23.9 281°.88 2°.2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 48.96	+10 34.4	1.356	2.212	16.1	21.1
2 1	10 44.54	+11 44.9	1.285	2.208	11.7	20.8
2 11	10 37.33	+13 11.0	1.236	2.203	6.7	20.5
2 21	10 28.19	+14 43.4	1.212	2.199	2.3	20.2
3 2	10 18.44	+16 10.9	1.215	2.194	5.5	20.4
3 12	10 9.60	+17 23.0	1.245	2.190	10.7	20.7
3 22	10 2.92	+18 13.4	1.297	2.185	15.4	20.9
4 1	9 59.23	+18 39.8	1.368	2.181	19.4	21.2

465664 2009 SL_{47} 2 23.9 227°.54 0°.1/23.9 17

1 22	10 49.78	+ 8 2.5	2.248	3.071	11.8	22.2
2 1	10 44.20	+ 8 28.7	2.155	3.060	8.7	22.0
2 11	10 36.75	+ 9 4.8	2.087	3.048	5.1	21.7
2 21	10 28.02	+ 9 46.9	2.048	3.036	1.2	21.4
3 2	10 18.86	+10 30.1	2.040	3.023	2.9	21.5
3 12	10 10.18	+11 9.3	2.061	3.010	6.8	21.8
3 22	10 2.84	+11 40.7	2.110	2.996	10.4	22.0
4 1	9 57.44	+12 1.5	2.182	2.981	13.5	22.1

306604 2000 KM_{70} 2 23.9 187°.52 6°.5/ 1.3 18

1 22	10 47.87	−11 22.3	2.102	2.845	15.2	20.5
2 1	10 42.90	−11 35.0	2.013	2.844	12.7	20.3
2 11	10 36.03	−11 24.4	1.945	2.844	9.9	20.2
2 21	10 27.86	−10 50.1	1.902	2.843	7.5	20.0
3 2	10 19.26	− 9 54.1	1.886	2.841	6.5	19.9
3 12	10 11.21	− 8 42.1	1.897	2.839	7.8	20.0
3 22	10 4.54	− 7 21.3	1.936	2.837	10.4	20.2
4 1	9 59.91	− 5 59.3	1.999	2.835	13.2	20.3

277773 2006 DS_{186} 2 23.9 200°.10 0°.9/23.1 17

1 22	10 47.22	+ 9 52.3	2.152	2.986	11.8	21.4
2 1	10 42.32	+10 34.5	2.073	2.985	8.6	21.1
2 11	10 35.63	+11 25.8	2.020	2.984	4.9	20.9
2 21	10 27.76	+12 21.4	1.995	2.982	1.2	20.6
3 2	10 19.54	+13 15.5	1.999	2.980	3.3	20.8
3 12	10 11.91	+14 2.5	2.033	2.978	7.1	21.0
3 22	10 5.65	+14 38.6	2.093	2.976	10.6	21.2
4 1	10 1.33	+15 1.5	2.177	2.974	13.6	21.4

283104 2008 UX_{188} 2 23.9 208°.77 1°.3/24.9 18

1 22	10 51.56	+ 3 39.1	1.872	2.686	14.1	22.4
2 1	10 45.81	+ 4 9.8	1.782	2.680	10.7	22.2
2 11	10 37.82	+ 4 56.7	1.717	2.673	6.6	21.9
2 21	10 28.29	+ 5 55.9	1.680	2.665	2.3	21.6
3 2	10 18.21	+ 7 1.2	1.672	2.656	3.1	21.7
3 12	10 8.75	+ 8 5.5	1.693	2.646	7.6	21.9
3 22	10 0.90	+ 9 2.4	1.740	2.635	11.7	22.1
4 1	9 55.40	+ 9 47.5	1.811	2.624	15.3	22.3

185886 2000 QW_{156} 2 23.9 238°.07 3°.2/26.9 17

1 22	10 48.48	− 1 49.2	2.262	3.050	12.9	21.1
2 1	10 43.28	− 1 42.1	2.160	3.035	10.1	20.8
2 11	10 36.25	− 1 18.7	2.082	3.021	7.0	20.6
2 21	10 27.92	− 0 40.5	2.031	3.005	4.0	20.4
3 2	10 19.10	+ 0 9.3	2.010	2.989	3.6	20.3
3 12	10 10.70	+ 1 5.4	2.018	2.973	6.5	20.5
3 22	10 3.55	+ 2 2.2	2.054	2.956	9.9	20.7
4 1	9 58.29	+ 2 54.4	2.115	2.938	13.0	20.8

194250 2001 TB_{204} 2 23.9 38°.89 6°.1/19.9 18

1 22	10 51.40	+19 38.5	1.122	1.997	17.3	19.2
2 1	10 46.50	+20 53.4	1.079	2.010	12.6	18.9
2 11	10 38.43	+22 9.9	1.058	2.023	8.2	18.7
2 21	10 28.41	+23 15.3	1.060	2.036	6.2	18.7
3 2	10 18.14	+23 58.6	1.087	2.051	8.9	18.8
3 12	10 9.37	+24 13.8	1.137	2.066	13.2	19.1
3 22	10 3.33	+24 1.3	1.207	2.081	17.4	19.4
4 1	10 0.67	+23 24.4	1.295	2.097	20.8	19.7

105055 2000 KR_{57} 2 23.9 262°.02 0°.6/23.2 17

1 22	10 46.50	+ 9 21.1	2.531	3.358	10.5	21.3
2 1	10 41.70	+10 2.5	2.429	3.337	7.7	21.1
2 11	10 35.27	+10 52.9	2.353	3.316	4.4	20.9
2 21	10 27.69	+11 48.3	2.306	3.294	1.0	20.6
3 2	10 19.68	+12 43.8	2.290	3.271	2.9	20.7
3 12	10 12.03	+13 34.4	2.304	3.248	6.5	20.9
3 22	10 5.47	+14 16.0	2.345	3.225	9.8	21.0
4 1	10 0.59	+14 46.1	2.410	3.201	12.6	21.2

307587 2003 HR_{49} 2 23.9 282°.79 4°.9/20.3 17

1 22	10 52.54	+18 40.4	1.497	2.355	14.7	21.7
2 1	10 47.27	+19 42.1	1.409	2.332	10.9	21.4
2 11	10 39.05	+20 49.4	1.345	2.309	7.0	21.1
2 21	10 28.64	+21 52.8	1.307	2.285	4.9	20.9
3 2	10 17.35	+22 41.9	1.296	2.261	7.6	21.0
3 12	10 6.79	+23 9.2	1.311	2.237	12.1	21.2
3 22	9 58.36	+23 11.5	1.348	2.213	16.5	21.4
4 1	9 53.03	+22 49.7	1.404	2.188	20.3	21.5

158753 2003 QP_{76} 2 23.9 191°.94 2°.1/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 46.73	− 0 10.6	2.649	3.439	11.2	21.2
2 1	10 41.68	+ 0 12.0	2.557	3.437	8.6	21.0
2 11	10 35.16	+ 0 48.0	2.491	3.434	5.7	20.8
2 21	10 27.66	+ 1 35.3	2.453	3.431	2.8	20.6
3 2	10 19.85	+ 2 30.1	2.446	3.428	2.7	20.6
3 12	10 12.47	+ 3 27.7	2.470	3.424	5.5	20.8
3 22	10 6.16	+ 4 23.5	2.522	3.419	8.4	21.0
4 1	10 1.43	+ 5 13.4	2.599	3.414	11.1	21.1

111257 2001 XY_{20} 2 23.9 47°.83 7°.4/15.2 18

1 22	10 48.09	+31 30.0	2.233	3.080	11.0	18.9
2 1	10 43.06	+32 59.7	2.186	3.085	8.9	18.7
2 11	10 36.08	+34 21.1	2.164	3.091	7.5	18.7
2 21	10 27.87	+35 26.4	2.170	3.096	7.7	18.7
3 2	10 19.39	+36 9.5	2.203	3.102	9.2	18.8
3 12	10 11.68	+36 27.7	2.260	3.107	11.3	18.9
3 22	10 5.55	+36 21.7	2.340	3.113	13.4	19.1
4 1	10 1.59	+35 54.1	2.438	3.119	15.2	19.2

52189 4215 $T\text{-}_{2}$ 2 23.9 77°.64 1°.5/22.7 18

1 22	10 50.18	+11 4.4	1.643	2.489	14.3	19.5
2 1	10 44.79	+11 48.8	1.585	2.503	10.3	19.3
2 11	10 37.15	+12 42.7	1.551	2.517	5.9	19.0
2 21	10 28.12	+13 39.4	1.544	2.531	1.7	18.8
3 2	10 18.84	+14 31.5	1.565	2.545	4.2	19.0
3 12	10 10.50	+15 12.5	1.613	2.558	8.6	19.3
3 22	10 4.05	+15 38.8	1.686	2.572	12.6	19.5
4 1	10 0.08	+15 49.1	1.781	2.586	15.8	19.8

423257 2004 TW_{276} 2 23.9 150°.21 3°.4/20.7 17

1 22	10 49.80	+17 57.8	2.110	2.956	11.5	21.4
2 1	10 44.22	+18 48.7	2.042	2.960	8.4	21.2
2 11	10 36.73	+19 41.7	2.001	2.964	5.1	21.0
2 21	10 28.02	+20 30.8	1.989	2.967	3.4	20.9
3 2	10 19.04	+21 9.8	2.005	2.970	5.3	21.0
3 12	10 10.76	+21 34.5	2.050	2.974	8.5	21.2
3 22	10 4.02	+21 43.0	2.121	2.976	11.7	21.4
4 1	9 59.39	+21 35.6	2.213	2.979	14.4	21.6

402756 2006 YC_{34} 2 23.9 54°.80 6°.1/19.4 16

1 22	10 55.82	+21 14.2	1.398	2.257	15.5	20.7
2 1	10 48.82	+22 47.9	1.382	2.303	11.3	20.6
2 11	10 39.31	+24 17.0	1.390	2.348	7.5	20.5
2 21	10 28.56	+25 30.5	1.424	2.393	6.1	20.5
3 2	10 18.01	+26 20.1	1.485	2.438	8.3	20.8
3 12	10 9.05	+26 42.8	1.572	2.482	11.6	21.1
3 22	10 2.56	+26 40.3	1.682	2.526	14.8	21.4
4 1	9 58.96	+26 16.6	1.810	2.569	17.4	21.7

328309 2008 HT_{21} 2 23.9 221°.81 5°.6/17.3 17

1 22	10 50.14	+25 12.8	2.356	3.202	10.5	21.0
2 1	10 44.55	+26 40.9	2.282	3.191	8.0	20.8
2 11	10 37.00	+28 7.4	2.235	3.181	6.1	20.6
2 21	10 28.12	+29 24.5	2.217	3.169	5.8	20.6
3 2	10 18.80	+30 25.2	2.228	3.157	7.5	20.7
3 12	10 10.03	+31 5.1	2.267	3.144	10.0	20.8
3 22	10 2.68	+31 22.8	2.330	3.130	12.6	21.0
4 1	9 57.39	+31 19.6	2.413	3.116	14.9	21.1

35603 1998 HP_{124} 2 23.9 356°.69 2°.2/21.9 18

1 22	10 47.27	+12 43.8	1.883	2.730	12.7	19.0
2 1	10 42.61	+13 43.9	1.811	2.730	9.2	18.8
2 11	10 35.91	+14 52.5	1.764	2.730	5.3	18.5
2 21	10 27.88	+16 2.8	1.745	2.730	2.2	18.3
3 2	10 19.47	+17 7.3	1.754	2.730	4.6	18.5
3 12	10 11.75	+17 59.6	1.792	2.730	8.5	18.7
3 22	10 5.61	+18 35.8	1.855	2.730	12.1	19.0
4 1	10 1.67	+18 54.4	1.939	2.730	15.2	19.2

503167 2015 GM_{38} 2 23.9 299°.11 0°.7/23.2 17

1 22	10 44.43	+ 8 19.3	2.171	3.006	11.7	21.4
2 1	10 40.36	+ 9 15.5	2.086	2.998	8.5	21.2
2 11	10 34.55	+10 23.4	2.026	2.990	4.9	20.9
2 21	10 27.57	+11 37.6	1.995	2.982	1.1	20.6
3 2	10 20.21	+12 51.9	1.993	2.974	3.2	20.8
3 12	10 13.35	+13 59.7	2.020	2.967	7.1	21.0
3 22	10 7.75	+14 56.1	2.074	2.959	10.6	21.2
4 1	10 4.02	+15 38.0	2.150	2.952	13.6	21.4

468893 2013 YK_{24} 2 23.9 192°.63 6°.2/ 1.9 17

1 22	10 47.73	−13 35.5	2.672	3.383	13.0	21.9
2 1	10 42.49	−13 54.7	2.575	3.381	11.0	21.8
2 11	10 35.69	−13 54.5	2.501	3.378	8.9	21.6
2 21	10 27.83	−13 34.3	2.452	3.375	7.0	21.5
3 2	10 19.61	−12 55.1	2.431	3.372	6.2	21.5
3 12	10 11.79	−12 0.7	2.438	3.367	7.1	21.5
3 22	10 5.07	−10 56.4	2.474	3.363	9.0	21.6
4 1	9 59.99	− 9 47.9	2.534	3.357	11.2	21.7

310072 2010 KD_{62} 2 23.9 284°.21 1°.8/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.37	+ 3 21.5	1.500	2.330	16.2	21.3
2 1	10 44.84	+ 3 37.5	1.404	2.310	12.4	21.0
2 11	10 37.60	+ 4 13.0	1.331	2.289	7.8	20.7
2 21	10 28.36	+ 5 4.8	1.283	2.268	3.0	20.3
3 2	10 18.26	+ 6 6.7	1.262	2.247	3.7	20.3
3 12	10 8.73	+ 7 10.2	1.267	2.225	8.9	20.6
3 22	10 1.08	+ 8 7.1	1.296	2.204	14.0	20.8
4 1	9 56.26	+ 8 51.3	1.346	2.183	18.4	21.0

36999 2000 TN_{22} 2 23.9 166°.88 5°.7/17.9 18

1 22	10 51.94	+26 20.7	2.277	3.121	10.9	19.5
2 1	10 45.76	+27 30.6	2.218	3.125	8.4	19.4
2 11	10 37.62	+28 36.1	2.185	3.129	6.3	19.3
2 21	10 28.27	+29 30.1	2.180	3.132	5.9	19.2
3 2	10 18.64	+30 6.6	2.205	3.135	7.4	19.3
3 12	10 9.76	+30 22.4	2.256	3.137	9.9	19.5
3 22	10 2.45	+30 17.5	2.332	3.139	12.4	19.7
4 1	9 57.31	+29 53.8	2.429	3.140	14.6	19.8

369758 2012 FT_{74} 2 23.9 352°.62 0°.1/23.9 18

1 22	10 55.15	+11 14.2	1.376	2.223	16.5	20.1
2 1	10 49.00	+10 42.0	1.302	2.219	12.2	19.8
2 11	10 39.91	+10 16.3	1.250	2.215	7.2	19.5
2 21	10 28.85	+ 9 53.8	1.224	2.212	1.7	19.2
3 2	10 17.24	+ 9 31.0	1.225	2.210	4.0	19.3
3 12	10 6.71	+ 9 4.4	1.253	2.208	9.4	19.6
3 22	9 58.53	+ 8 32.1	1.304	2.208	14.2	19.9
4 1	9 53.49	+ 7 53.2	1.376	2.208	18.3	20.2

91541 1999 RG_{206} 2 23.9 213°.07 2°.8/26.6 18

1 22	10 48.91	− 0 16.1	2.331	3.123	12.4	20.1
2 1	10 43.49	− 0 18.0	2.238	3.117	9.6	19.9
2 11	10 36.33	− 0 5.8	2.170	3.111	6.5	19.6
2 21	10 27.99	+ 0 18.7	2.129	3.105	3.5	19.4
3 2	10 19.26	+ 0 52.7	2.118	3.098	3.3	19.4
3 12	10 11.00	+ 1 31.6	2.137	3.091	6.2	19.6
3 22	10 4.00	+ 2 10.7	2.184	3.084	9.5	19.8
4 1	9 58.83	+ 2 45.8	2.255	3.076	12.4	19.9

60786 2000 GP_{182} 2 23.9 152°.74 2°.7/21.6 18

1 22	10 51.31	+13 5.7	1.706	2.552	13.8	19.7
2 1	10 45.70	+14 19.9	1.640	2.559	10.0	19.5
2 11	10 37.77	+15 43.3	1.600	2.565	5.8	19.2
2 21	10 28.33	+17 7.2	1.587	2.571	2.7	19.0
3 2	10 18.50	+18 22.8	1.603	2.577	5.3	19.2
3 12	10 9.53	+19 22.6	1.648	2.581	9.4	19.5
3 22	10 2.42	+20 2.7	1.716	2.586	13.3	19.7
4 1	9 57.83	+20 22.3	1.806	2.589	16.5	19.9

83744 2001 TN_{134} 2 23.9 40°.46 2°.6/25.9 18

1 22	10 51.08	+ 2 48.4	1.968	2.778	13.7	19.1
2 1	10 45.17	+ 2 19.5	1.896	2.787	10.5	18.9
2 11	10 37.31	+ 2 2.8	1.848	2.797	6.8	18.7
2 21	10 28.21	+ 1 57.0	1.828	2.808	3.4	18.5
3 2	10 18.82	+ 1 59.5	1.837	2.818	3.4	18.5
3 12	10 10.19	+ 2 6.5	1.874	2.829	6.8	18.7
3 22	10 3.14	+ 2 14.2	1.938	2.841	10.3	19.0
4 1	9 58.25	+ 2 19.1	2.026	2.852	13.4	19.2

343318 2010 BS_{73} 2 23.9 212°.84 0°.5/24.5 17

1 22	10 45.97	+ 5 57.4	2.541	3.358	10.8	21.3
2 1	10 41.22	+ 6 26.6	2.453	3.354	8.0	21.1
2 11	10 34.94	+ 7 6.0	2.391	3.350	4.8	20.9
2 21	10 27.66	+ 7 52.1	2.359	3.345	1.3	20.7
3 2	10 20.08	+ 8 40.8	2.356	3.340	2.4	20.7
3 12	10 12.94	+ 9 27.3	2.384	3.335	5.8	21.0
3 22	10 6.92	+10 7.9	2.439	3.330	9.0	21.2
4 1	10 2.53	+10 39.5	2.519	3.325	11.7	21.3

491024 2011 OD_{24} 2 23.9 225°.50 4°.3/20.3 17

1 22	10 53.63	+17 58.0	1.767	2.615	13.4	22.8
2 1	10 47.58	+19 9.1	1.686	2.604	9.8	22.6
2 11	10 39.00	+20 25.2	1.630	2.592	6.2	22.3
2 21	10 28.65	+21 37.7	1.602	2.579	4.3	22.2
3 2	10 17.68	+22 37.6	1.603	2.566	6.7	22.3
3 12	10 7.43	+23 18.2	1.631	2.551	10.6	22.5
3 22	9 59.05	+23 36.6	1.684	2.536	14.4	22.7
4 1	9 53.34	+23 33.4	1.757	2.520	17.6	22.9

425880 2011 FE_{25} 2 23.9 263°.10 0°.4/24.4 17

1 22	10 45.01	+ 4 9.8	2.011	2.835	12.9	20.8
2 1	10 40.88	+ 5 12.9	1.928	2.833	9.6	20.6
2 11	10 34.89	+ 6 32.3	1.870	2.830	5.7	20.4
2 21	10 27.67	+ 8 2.6	1.841	2.828	1.5	20.1
3 2	10 20.06	+ 9 36.7	1.841	2.825	2.9	20.2
3 12	10 13.01	+11 6.6	1.870	2.823	7.0	20.4
3 22	10 7.33	+12 25.7	1.926	2.820	10.8	20.7
4 1	10 3.63	+13 29.5	2.005	2.817	14.1	20.9

343075 2009 CR_{58} 2 23.9 80°.92 0°.2/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.82	+ 5 56.2	2.258	3.083	11.7	21.2
2 1	10 40.49	+ 6 45.4	2.184	3.090	8.6	21.0
2 11	10 34.54	+ 7 46.5	2.136	3.096	5.0	20.8
2 21	10 27.57	+ 8 54.9	2.116	3.103	1.2	20.6
3 2	10 20.34	+10 4.8	2.126	3.109	2.7	20.7
3 12	10 13.65	+11 10.2	2.165	3.116	6.3	20.9
3 22	10 8.22	+12 6.6	2.231	3.123	9.7	21.1
4 1	10 4.55	+12 50.6	2.322	3.129	12.5	21.4

485419 2011 PM_{8} 2 23.9 243°.64 1°.2/24.7 18

1 22	10 53.72	+ 5 46.9	1.633	2.459	15.3	21.7
2 1	10 47.77	+ 5 50.5	1.542	2.446	11.6	21.4
2 11	10 39.18	+ 6 8.0	1.475	2.433	7.1	21.1
2 21	10 28.71	+ 6 36.2	1.433	2.419	2.3	20.8
3 2	10 17.53	+ 7 9.8	1.421	2.405	3.5	20.8
3 12	10 7.02	+ 7 42.5	1.436	2.390	8.5	21.1
3 22	9 58.40	+ 8 8.8	1.476	2.375	13.2	21.3
4 1	9 52.52	+ 8 24.8	1.538	2.360	17.2	21.5

240227 2002 TQ_{77} 2 23.9 100°.52 4°.4/29.1 18

1 22	10 45.86	− 7 39.8	2.388	3.147	13.1	20.3
2 1	10 41.13	− 7 27.8	2.313	3.163	10.6	20.2
2 11	10 34.86	− 6 56.5	2.262	3.178	7.8	20.0
2 21	10 27.64	− 6 7.7	2.236	3.194	5.3	19.9
3 2	10 20.20	− 5 4.7	2.240	3.209	4.5	19.9
3 12	10 13.32	− 3 53.2	2.273	3.224	6.1	20.0
3 22	10 7.65	− 2 39.2	2.334	3.238	8.7	20.2
4 1	10 3.68	− 1 28.3	2.420	3.253	11.3	20.4

27766 1991 TO 2 23.9 135°.86 1°.8/22.5 18

1 22	10 51.42	+10 41.0	1.587	2.431	14.8	19.4
2 1	10 45.88	+11 44.7	1.523	2.440	10.7	19.1
2 11	10 37.92	+13 0.2	1.483	2.448	6.1	18.9
2 21	10 28.38	+14 19.4	1.470	2.456	1.9	18.6
3 2	10 18.47	+15 33.2	1.485	2.464	4.7	18.8
3 12	10 9.49	+16 33.6	1.528	2.471	9.3	19.1
3 22	10 2.47	+17 16.1	1.596	2.478	13.4	19.4
4 1	9 58.10	+17 38.9	1.684	2.484	16.9	19.6

380085 2013 SA_{51} 2 23.9 117°.83 1°.3/22.7 18

1 22	10 48.67	+11 42.4	2.114	2.951	11.9	21.0
2 1	10 43.36	+12 22.0	2.046	2.960	8.6	20.8
2 11	10 36.23	+13 8.7	2.003	2.968	4.9	20.6
2 21	10 27.97	+13 57.4	1.989	2.976	1.5	20.4
3 2	10 19.45	+14 42.4	2.005	2.984	3.6	20.5
3 12	10 11.61	+15 18.7	2.049	2.991	7.3	20.8
3 22	10 5.22	+15 43.3	2.120	2.999	10.7	21.0
4 1	10 0.84	+15 54.7	2.213	3.006	13.6	21.2

420819 2013 HG_{92} 2 23.9 231°.14 2°.4/25.9 17

1 22	10 49.56	+ 0 52.3	1.871	2.679	14.4	21.5
2 1	10 44.40	+ 1 9.9	1.779	2.669	11.1	21.3
2 11	10 37.06	+ 1 45.5	1.710	2.659	7.2	21.0
2 21	10 28.21	+ 2 36.2	1.668	2.649	3.4	20.8
3 2	10 18.80	+ 3 37.1	1.655	2.638	3.4	20.7
3 12	10 9.95	+ 4 41.2	1.670	2.626	7.4	20.9
3 22	10 2.65	+ 5 41.7	1.712	2.614	11.4	21.2
4 1	9 57.63	+ 6 33.3	1.776	2.602	15.0	21.4

493848 2015 XB_{10} 2 23.9 173°.87 0°.9/24.7 18

1 22	10 50.72	+ 3 31.0	1.780	2.599	14.6	22.3
2 1	10 45.22	+ 4 21.6	1.702	2.602	10.9	22.1
2 11	10 37.50	+ 5 29.9	1.647	2.605	6.6	21.9
2 21	10 28.30	+ 6 50.8	1.621	2.607	2.0	21.6
3 2	10 18.65	+ 8 16.5	1.623	2.608	3.2	21.7
3 12	10 9.72	+ 9 38.6	1.655	2.608	7.7	21.9
3 22	10 2.49	+10 50.1	1.713	2.608	11.9	22.2
4 1	9 57.66	+11 46.3	1.794	2.607	15.4	22.4

497913 2006 VZ_{46} 2 23.9 122°.53 0°.7/24.7 17

1 22	10 46.14	+ 5 41.8	2.595	3.411	10.6	21.9
2 1	10 41.24	+ 6 3.0	2.519	3.418	7.9	21.7
2 11	10 34.90	+ 6 33.7	2.469	3.426	4.7	21.5
2 21	10 27.67	+ 7 10.8	2.447	3.433	1.4	21.3
3 2	10 20.21	+ 7 50.3	2.456	3.440	2.3	21.4
3 12	10 13.25	+ 8 28.2	2.495	3.447	5.5	21.6
3 22	10 7.41	+ 9 0.9	2.561	3.454	8.5	21.8
4 1	10 3.16	+ 9 26.0	2.653	3.460	11.1	22.0

487588 2015 FF_{341} 2 23.9 97°.47 19°.2/ 6.8 17

1 22	10 58.08	−25 9.2	1.178	1.872	27.2	20.6
2 1	10 52.09	−27 54.1	1.120	1.881	24.9	20.5
2 11	10 42.25	−29 58.5	1.075	1.890	22.5	20.3
2 21	10 29.51	−31 10.0	1.046	1.899	20.5	20.2
3 2	10 15.64	−31 21.3	1.035	1.907	19.3	20.2
3 12	10 2.87	−30 34.9	1.043	1.915	19.3	20.2
3 22	9 53.06	−29 3.1	1.067	1.924	20.5	20.3
4 1	9 47.40	−27 3.3	1.109	1.931	22.4	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
56725 2000 NY_{12}			2 23.9 280°.66		2°.6/26.1 18	
	h m	° ′			°	m
1 22	10 48.21	+ 1 11.9	1.820	2.633	14.5	19.3
2 1	10 43.47	+ 1 16.7	1.728	2.621	11.2	19.1
2 11	10 36.55	+ 1 38.5	1.658	2.608	7.4	18.8
2 21	10 28.10	+ 2 15.1	1.615	2.596	3.5	18.6
3 2	10 19.08	+ 3 2.2	1.600	2.583	3.5	18.5
3 12	10 10.63	+ 3 53.5	1.613	2.571	7.4	18.7
3 22	10 3.72	+ 4 42.7	1.651	2.558	11.5	18.9
4 1	9 59.11	+ 5 24.2	1.713	2.545	15.2	19.1
43413 2000 WJ_{158}			2 23.9 145°.69		3°.1/21.8 18	
1 22	10 56.41	+15 3.6	1.527	2.374	15.1	19.5
2 1	10 49.61	+15 50.1	1.465	2.383	11.0	19.3
2 11	10 40.11	+16 42.7	1.427	2.392	6.4	19.1
2 21	10 28.90	+17 33.1	1.416	2.400	3.1	18.9
3 2	10 17.33	+18 13.2	1.433	2.407	5.7	19.0
3 12	10 6.88	+18 37.0	1.478	2.414	10.1	19.3
3 22	9 58.68	+18 42.5	1.546	2.420	14.2	19.6
4 1	9 53.42	+18 30.1	1.635	2.425	17.7	19.8
109717 2001 RT_{50}			2 23.9 171°.48		4°.0/19.7 18	
1 22	10 50.27	+19 25.8	2.185	3.030	11.2	20.5
2 1	10 44.59	+20 38.8	2.118	3.034	8.2	20.3
2 11	10 37.00	+21 53.6	2.077	3.037	5.3	20.1
2 21	10 28.17	+23 3.0	2.066	3.039	4.1	20.1
3 2	10 19.02	+24 0.2	2.085	3.041	6.0	20.2
3 12	10 10.53	+24 40.4	2.132	3.042	9.0	20.4
3 22	10 3.55	+25 1.8	2.204	3.043	11.9	20.6
4 1	9 58.65	+25 4.6	2.297	3.043	14.5	20.7
4550 Royclarke			2 23.9 187°.40		0°.1/23.9 18	
1 22	10 46.10	+ 8 4.4	2.976	3.794	9.3	18.7
2 1	10 41.10	+ 8 34.6	2.891	3.793	6.8	18.5
2 11	10 34.80	+ 9 12.1	2.832	3.792	4.0	18.3
2 21	10 27.65	+ 9 53.8	2.803	3.791	0.9	18.1
3 2	10 20.26	+10 36.0	2.806	3.789	2.2	18.2
3 12	10 13.27	+11 15.0	2.839	3.786	5.2	18.4
3 22	10 7.25	+11 47.7	2.900	3.783	8.0	18.6
4 1	10 2.64	+12 12.2	2.987	3.780	10.4	18.7
204408 2004 VT_{14}			2 23.9 46°.14		3°.7/26.3 18	
1 22	10 50.90	+ 0 32.7	1.206	2.039	19.3	19.6
2 1	10 45.83	+ 0 24.3	1.156	2.058	14.7	19.4
2 11	10 37.98	+ 0 39.4	1.126	2.078	9.7	19.2
2 21	10 28.40	+ 1 14.6	1.119	2.099	4.8	19.0
3 2	10 18.58	+ 2 3.2	1.137	2.121	4.6	19.0
3 12	10 10.04	+ 2 56.1	1.181	2.143	9.0	19.3
3 22	10 3.89	+ 3 44.9	1.248	2.165	13.6	19.6
4 1	10 0.79	+ 4 23.4	1.335	2.187	17.5	19.9
135469 2001 VV_{102}			2 23.9 137°.29		0°.4/23.6 18	
1 22	10 50.04	+ 9 6.0	1.980	2.812	12.8	20.6
2 1	10 44.47	+ 9 35.9	1.909	2.819	9.3	20.4
2 11	10 36.94	+10 15.4	1.862	2.825	5.4	20.1
2 21	10 28.16	+10 59.7	1.844	2.831	1.2	19.9
3 2	10 19.08	+11 43.2	1.855	2.837	3.2	20.0
3 12	10 10.71	+12 20.6	1.895	2.843	7.3	20.3
3 22	10 3.90	+12 47.9	1.961	2.848	11.0	20.5
4 1	9 59.25	+13 3.1	2.050	2.853	14.1	20.7
159008 2004 TC_{5}			2 23.9 243°.46		0°.6/23.4 17	
1 22	10 48.82	+ 9 32.8	2.182	3.013	11.8	20.7
2 1	10 43.59	+10 4.5	2.091	3.001	8.7	20.5
2 11	10 36.48	+10 45.5	2.025	2.988	5.0	20.2
2 21	10 28.08	+11 31.3	1.988	2.976	1.1	19.9
3 2	10 19.23	+12 16.7	1.981	2.963	3.2	20.1
3 12	10 10.89	+12 56.5	2.003	2.949	7.1	20.3
3 22	10 3.90	+13 26.7	2.051	2.936	10.7	20.5
4 1	9 58.89	+13 44.9	2.123	2.922	13.9	20.7
354509 2004 PY_{61}			2 23.9 174°.93		1°.2/22.8 18	
1 22	10 51.59	+10 5.7	2.078	2.907	12.4	21.5
2 1	10 45.59	+11 3.6	2.001	2.911	9.0	21.3
2 11	10 37.61	+12 11.3	1.951	2.914	5.1	21.1
2 21	10 28.33	+13 22.8	1.929	2.916	1.4	20.8
3 2	10 18.68	+14 31.4	1.938	2.917	3.7	21.0
3 12	10 9.68	+15 30.6	1.977	2.918	7.7	21.3
3 22	10 2.20	+16 16.3	2.043	2.917	11.3	21.5
4 1	9 56.87	+16 46.4	2.132	2.915	14.3	21.7
56132 1999 CO_{49}			2 23.9 244°.09		4°.5/20.0 18	
1 22	10 53.05	+21 22.0	2.055	2.900	11.9	18.4
2 1	10 46.85	+22 9.5	1.972	2.887	8.8	18.2
2 11	10 38.45	+22 56.8	1.916	2.873	5.8	18.0
2 21	10 28.55	+23 37.2	1.888	2.860	4.5	17.9
3 2	10 18.18	+24 4.1	1.889	2.845	6.4	17.9
3 12	10 8.48	+24 13.4	1.918	2.831	9.7	18.1
3 22	10 0.44	+24 4.0	1.972	2.816	12.9	18.3
4 1	9 54.74	+23 36.9	2.047	2.800	15.8	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
296055 2009 AW_{29}			2 23.9 85°.44		0°.3/24.1 18	
	h m	° ′			°	m
1 22	10 52.16	+ 6 32.9	1.473	2.310	16.1	21.7
2 1	10 46.41	+ 7 8.1	1.418	2.329	11.8	21.5
2 11	10 38.19	+ 7 58.3	1.386	2.349	6.9	21.3
2 21	10 28.46	+ 8 57.3	1.380	2.368	1.7	21.0
3 2	10 18.50	+ 9 57.1	1.402	2.386	3.6	21.2
3 12	10 9.63	+10 50.0	1.451	2.405	8.5	21.5
3 22	10 2.87	+11 30.4	1.525	2.423	12.9	21.8
4 1	9 58.84	+11 55.6	1.620	2.441	16.5	22.1
284716 2008 TM_{150}			2 23.9 250°.69		3°.2/21.7 18	
1 22	10 53.44	+14 57.7	1.545	2.396	14.8	21.5
2 1	10 47.74	+15 47.6	1.462	2.382	10.8	21.2
2 11	10 39.25	+16 45.6	1.403	2.368	6.4	20.9
2 21	10 28.78	+17 43.7	1.370	2.354	3.2	20.7
3 2	10 17.59	+18 32.8	1.366	2.339	5.9	20.8
3 12	10 7.19	+19 5.7	1.387	2.324	10.6	21.0
3 22	9 58.85	+19 18.8	1.433	2.308	15.0	21.2
4 1	9 53.45	+19 11.7	1.498	2.292	18.8	21.4
326347 2000 SU_{81}			2 23.9 180°.20		2°.9/27.1 17	
1 22	10 46.32	− 2 57.1	2.184	2.972	13.3	20.7
2 1	10 41.70	− 2 20.4	2.097	2.973	10.4	20.5
2 11	10 35.33	− 1 24.3	2.034	2.974	7.0	20.3
2 21	10 27.81	− 0 11.8	1.999	2.974	3.8	20.1
3 2	10 19.94	+ 1 12.0	1.993	2.974	3.3	20.1
3 12	10 12.59	+ 2 40.0	2.017	2.973	6.3	20.3
3 22	10 6.53	+ 4 5.5	2.068	2.972	9.7	20.5
4 1	10 2.34	+ 5 22.4	2.144	2.971	12.8	20.7
463471 2013 PS_{35}			2 23.9 197°.68		0°.7/23.3 17	
1 22	10 50.10	+10 6.0	2.040	2.872	12.4	22.0
2 1	10 44.55	+10 34.2	1.960	2.871	9.1	21.8
2 11	10 37.03	+11 11.0	1.905	2.869	5.2	21.5
2 21	10 28.21	+11 51.9	1.879	2.866	1.2	21.2
3 2	10 19.01	+12 31.5	1.882	2.864	3.3	21.4
3 12	10 10.46	+13 4.4	1.914	2.861	7.4	21.6
3 22	10 3.41	+13 27.3	1.973	2.858	11.1	21.8
4 1	9 58.49	+13 38.1	2.054	2.854	14.2	22.0
232067 2001 UR_{220}			2 23.9 238°.30		1°.7/25.8 17	
1 22	10 46.07	+ 2 2.6	2.568	3.370	11.1	20.6
2 1	10 41.33	+ 2 17.5	2.473	3.361	8.5	20.4
2 11	10 35.05	+ 2 44.6	2.403	3.352	5.4	20.2
2 21	10 27.74	+ 3 21.6	2.361	3.342	2.4	20.0
3 2	10 20.09	+ 4 4.9	2.349	3.333	2.5	19.9
3 12	10 12.85	+ 4 50.1	2.368	3.323	5.6	20.1
3 22	10 6.69	+ 5 33.0	2.414	3.313	8.7	20.3
4 1	10 2.13	+ 6 9.9	2.485	3.302	11.5	20.5
481903 2009 BL_{9}			2 23.9 80°.27		12°.3/29.0 18	
1 22	11 2.13	−10 0.4	1.117	1.896	23.8	20.4
2 1	10 54.76	−12 19.8	1.057	1.907	20.2	20.2
2 11	10 43.62	−14 10.5	1.014	1.918	16.3	20.0
2 21	10 29.82	−15 23.5	0.993	1.929	13.3	19.9
3 2	10 15.21	−15 54.3	0.995	1.940	12.4	19.9
3 12	10 1.95	−15 47.0	1.020	1.951	14.2	20.0
3 22	9 51.75	−15 12.1	1.067	1.962	17.4	20.2
4 1	9 45.59	−14 23.1	1.131	1.972	20.8	20.5
131973 2002 CK_{56}			2 23.9 325°.49		1°.3/24.8 18	
1 22	10 46.56	+ 4 43.2	1.265	2.114	17.5	19.0
2 1	10 43.04	+ 5 2.2	1.183	2.099	13.2	18.6
2 11	10 36.66	+ 5 42.0	1.123	2.085	8.1	18.3
2 21	10 28.21	+ 6 38.2	1.085	2.072	2.6	17.9
3 2	10 18.96	+ 7 42.9	1.073	2.059	3.9	18.0
3 12	10 10.51	+ 8 46.2	1.086	2.047	9.7	18.3
3 22	10 4.21	+ 9 39.3	1.121	2.036	15.0	18.5
4 1	10 0.99	+10 16.3	1.176	2.026	19.6	18.8
488735 2004 RP_{108}			2 23.9 158°.36		3°.0/26.6 18	
1 22	10 50.85	− 1 8.3	1.840	2.639	15.0	22.4
2 1	10 45.23	− 0 48.5	1.762	2.646	11.6	22.2
2 11	10 37.48	− 0 9.1	1.708	2.652	7.7	21.9
2 21	10 28.33	+ 0 46.9	1.680	2.658	4.0	21.7
3 2	10 18.77	+ 1 54.1	1.681	2.663	3.7	21.7
3 12	10 9.94	+ 3 5.2	1.710	2.667	7.2	21.9
3 22	10 2.76	+ 4 13.1	1.767	2.670	11.1	22.2
4 1	9 57.89	+ 5 11.9	1.847	2.673	14.5	22.4
159678 2002 JA_{17}			2 23.9 350°.65		3°.5/20.9 18	
1 22	10 47.19	+15 48.1	1.651	2.510	13.6	19.6
2 1	10 42.84	+16 50.3	1.583	2.507	9.8	19.3
2 11	10 36.20	+17 59.0	1.538	2.504	5.9	19.1
2 21	10 28.04	+19 6.1	1.520	2.502	3.5	18.9
3 2	10 19.46	+20 3.2	1.530	2.500	5.9	19.1
3 12	10 11.67	+20 43.6	1.566	2.499	9.9	19.3
3 22	10 5.68	+21 4.1	1.626	2.498	13.7	19.5
4 1	10 2.17	+21 4.4	1.705	2.498	17.0	19.7

321497 2009 SF_{78} 2 23.9 298°.70 5°.1/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.02	− 4 11.2	1.757	2.548	15.9	20.3
2 1	10 44.09	− 4 33.6	1.672	2.544	12.7	20.1
2 11	10 36.93	− 4 35.5	1.608	2.540	9.2	19.9
2 21	10 28.23	− 4 17.2	1.570	2.536	6.0	19.7
3 2	10 18.99	− 3 41.3	1.558	2.532	5.3	19.6
3 12	10 10.40	− 2 53.7	1.574	2.528	8.0	19.8
3 22	10 3.45	− 2 1.2	1.615	2.525	11.6	20.0
4 1	9 58.88	− 1 10.7	1.679	2.521	15.0	20.2

76741 2000 JM_{65} 2 23.9 279°.99 4°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.78	+19 21.6	2.183	3.035	11.0	19.4
2 1	10 42.21	+20 35.3	2.100	3.019	8.1	19.2
2 11	10 35.73	+21 52.4	2.043	3.003	5.3	19.0
2 21	10 27.94	+23 5.7	2.015	2.987	4.1	18.9
3 2	10 19.68	+24 8.0	2.015	2.971	6.1	19.0
3 12	10 11.94	+24 53.9	2.044	2.955	9.2	19.1
3 22	10 5.57	+25 20.7	2.097	2.939	12.3	19.3
4 1	10 1.21	+25 27.9	2.171	2.923	15.0	19.4

93327 2000 SA_{229} 2 23.9 155°.07 0°.4/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.30	+ 8 48.5	2.130	2.959	12.1	20.4
2 1	10 43.85	+ 9 19.6	2.055	2.963	8.9	20.2
2 11	10 36.57	+10 0.2	2.006	2.968	5.1	20.0
2 21	10 28.12	+10 45.6	1.984	2.972	1.1	19.7
3 2	10 19.36	+11 30.6	1.993	2.976	3.0	19.9
3 12	10 11.24	+12 10.1	2.031	2.979	6.9	20.1
3 22	10 4.55	+12 40.3	2.096	2.982	10.4	20.3
4 1	9 59.87	+12 58.9	2.184	2.985	13.4	20.5

170235 2003 QW_{23} 2 23.9 155°.72 0°.9/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.14	+ 4 38.7	1.976	2.792	13.4	21.4
2 1	10 45.30	+ 5 8.9	1.901	2.800	10.0	21.2
2 11	10 37.46	+ 5 52.8	1.850	2.807	6.1	21.0
2 21	10 28.34	+ 6 46.1	1.828	2.814	1.9	20.7
3 2	10 18.87	+ 7 43.3	1.835	2.820	2.9	20.8
3 12	10 10.11	+ 8 37.9	1.872	2.825	7.0	21.0
3 22	10 2.91	+ 9 24.8	1.936	2.830	10.8	21.3
4 1	9 57.90	+10 0.6	2.023	2.834	14.0	21.5

29380 1996 HO_{13} 2 23.9 249°.89 1°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.30	+ 2 40.0	1.887	2.704	14.0	19.1
2 1	10 43.47	+ 3 1.8	1.797	2.695	10.6	18.9
2 11	10 36.54	+ 3 40.0	1.731	2.685	6.7	18.6
2 21	10 28.15	+ 4 31.3	1.692	2.675	2.7	18.4
3 2	10 19.26	+ 5 30.4	1.681	2.665	3.1	18.4
3 12	10 10.93	+ 6 30.4	1.699	2.655	7.3	18.6
3 22	10 4.11	+ 7 25.2	1.743	2.645	11.3	18.8
4 1	9 59.50	+ 8 9.9	1.810	2.634	14.8	19.0

57800 2001 VK_{104} 2 23.9 356°.06 3°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.10	+18 41.3	2.001	2.853	11.8	19.0
2 1	10 43.15	+19 22.6	1.932	2.852	8.6	18.8
2 11	10 36.23	+20 5.5	1.888	2.850	5.4	18.6
2 21	10 28.06	+20 43.9	1.871	2.849	3.6	18.5
3 2	10 19.57	+21 12.0	1.883	2.848	5.5	18.6
3 12	10 11.80	+21 25.6	1.922	2.848	8.8	18.8
3 22	10 5.58	+21 23.1	1.986	2.848	12.1	19.0
4 1	10 1.52	+21 4.8	2.071	2.849	14.9	19.2

315034 2007 CG_{17} 2 23.9 196°.63 2°.0/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.11	+12 18.9	2.014	2.856	12.2	21.2
2 1	10 43.17	+13 21.4	1.938	2.855	8.8	21.0
2 11	10 36.27	+14 32.6	1.888	2.853	5.1	20.8
2 21	10 28.08	+15 45.8	1.866	2.851	2.0	20.6
3 2	10 19.50	+16 54.0	1.873	2.849	4.3	20.7
3 12	10 11.54	+17 50.8	1.909	2.846	8.1	20.9
3 22	10 5.07	+18 32.3	1.971	2.844	11.7	21.2
4 1	10 0.70	+18 56.6	2.055	2.840	14.7	21.4

437475 2013 YV_{46} 2 23.9 63°.59 1°.4/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.64	+ 4 39.4	2.209	3.023	12.3	21.2
2 1	10 43.31	+ 4 37.4	2.131	3.028	9.2	21.0
2 11	10 36.23	+ 4 46.2	2.079	3.033	5.7	20.8
2 21	10 28.05	+ 5 3.3	2.054	3.038	2.2	20.5
3 2	10 19.58	+ 5 25.2	2.059	3.043	2.7	20.6
3 12	10 11.72	+ 5 47.8	2.094	3.049	6.2	20.8
3 22	10 5.22	+ 6 7.3	2.155	3.054	9.6	21.0
4 1	10 0.61	+ 6 20.8	2.240	3.059	12.6	21.2

253273 2003 AL_{80} 2 23.9 126°.96 6°.3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	11 2.60	− 0 35.9	1.250	2.058	20.2	20.3
2 1	10 54.74	− 1 57.4	1.181	2.065	16.0	20.0
2 11	10 43.45	− 3 0.3	1.132	2.072	11.3	19.7
2 21	10 29.81	− 3 41.9	1.108	2.079	7.1	19.5
3 2	10 15.50	− 4 2.4	1.111	2.086	6.8	19.5
3 12	10 2.47	− 4 5.9	1.140	2.092	10.6	19.8
3 22	9 52.20	− 3 58.9	1.193	2.097	15.2	20.0
4 1	9 45.62	− 3 48.8	1.266	2.103	19.3	20.3

117027 2004 JS_{12} 2 23.9 243°.65 2°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 49.19	+16 36.1	2.688	3.523	9.7	20.2
2 1	10 43.56	+17 2.7	2.598	3.511	7.0	20.0
2 11	10 36.35	+17 31.6	2.537	3.499	4.2	19.8
2 21	10 28.10	+17 58.6	2.504	3.486	2.2	19.7
3 2	10 19.52	+18 19.7	2.502	3.473	3.9	19.8
3 12	10 11.40	+18 31.6	2.531	3.460	6.8	19.9
3 22	10 4.44	+18 32.5	2.586	3.447	9.6	20.1
4 1	9 59.16	+18 22.1	2.665	3.433	12.1	20.2

13832 1999 XR_{13} 2 23.9 307°.64 6°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.58	+28 23.8	2.344	3.194	10.4	15.7
2 1	10 42.01	+29 48.2	2.277	3.184	8.2	15.6
2 11	10 35.59	+31 8.2	2.237	3.174	6.6	15.5
2 21	10 27.93	+32 16.4	2.224	3.165	6.6	15.4
3 2	10 19.90	+33 6.3	2.240	3.155	8.2	15.5
3 12	10 12.45	+33 34.3	2.281	3.146	10.5	15.6
3 22	10 6.40	+33 39.6	2.345	3.137	12.8	15.8
4 1	10 2.35	+33 23.8	2.429	3.128	14.9	15.9

110715 2001 TV_{229} 2 23.9 93°.12 4°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.18	+23 58.3	2.384	3.231	10.4	19.5
2 1	10 43.59	+25 4.5	2.337	3.250	7.7	19.4
2 11	10 36.33	+26 7.5	2.317	3.268	5.5	19.2
2 21	10 28.07	+27 1.1	2.326	3.286	4.9	19.2
3 2	10 19.67	+27 40.1	2.364	3.304	6.4	19.4
3 12	10 12.00	+28 1.3	2.429	3.322	8.8	19.5
3 22	10 5.76	+28 4.5	2.519	3.339	11.2	19.7
4 1	10 1.43	+27 50.9	2.631	3.357	13.3	19.9

166844 2002 VR_{125} 2 23.9 131°.92 3°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.53	+18 53.9	2.348	3.191	10.6	20.4
2 1	10 43.90	+19 34.8	2.282	3.197	7.7	20.3
2 11	10 36.55	+20 16.6	2.242	3.202	4.8	20.1
2 21	10 28.14	+20 53.9	2.230	3.208	3.2	20.0
3 2	10 19.50	+21 21.8	2.249	3.213	4.9	20.1
3 12	10 11.52	+21 36.8	2.297	3.218	7.9	20.3
3 22	10 4.92	+21 37.6	2.370	3.223	10.7	20.5
4 1	10 0.23	+21 24.4	2.466	3.227	13.2	20.7

492862 2014 QZ_{359} 2 23.9 239°.68 0°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.84	+ 7 39.9	1.854	2.682	13.7	22.5
2 1	10 46.18	+ 8 9.2	1.760	2.667	10.2	22.2
2 11	10 38.21	+ 8 51.1	1.691	2.652	6.0	21.9
2 21	10 28.59	+ 9 41.2	1.649	2.636	1.4	21.6
3 2	10 18.34	+10 33.2	1.636	2.620	3.4	21.7
3 12	10 8.65	+11 20.6	1.652	2.602	8.0	21.9
3 22	10 0.58	+11 58.1	1.694	2.584	12.3	22.1
4 1	9 54.91	+12 22.4	1.759	2.566	15.9	22.3

270536 2002 GO_{99} 2 23.9 225°.73 2°.1/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.92	+ 1 2.1	2.082	2.890	13.2	21.1
2 1	10 42.25	+ 1 22.9	1.996	2.886	10.1	20.9
2 11	10 35.73	+ 1 59.7	1.933	2.883	6.5	20.6
2 21	10 27.98	+ 2 49.6	1.898	2.879	3.0	20.4
3 2	10 19.83	+ 3 47.9	1.892	2.876	3.0	20.4
3 12	10 12.23	+ 4 48.5	1.915	2.872	6.5	20.6
3 22	10 5.98	+ 5 45.5	1.965	2.868	10.2	20.8
4 1	10 1.70	+ 6 34.3	2.038	2.864	13.4	21.0

262589 2006 VL_{96} 2 23.9 84°.67 2°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 51.15	+14 38.5	1.724	2.572	13.6	20.9
2 1	10 45.44	+15 38.2	1.673	2.592	9.8	20.7
2 11	10 37.56	+16 43.4	1.647	2.612	5.7	20.5
2 21	10 28.38	+17 46.3	1.648	2.631	2.9	20.4
3 2	10 19.02	+18 39.6	1.678	2.651	5.2	20.6
3 12	10 10.63	+19 17.6	1.736	2.670	9.0	20.8
3 22	10 4.10	+19 37.9	1.818	2.689	12.6	21.1
4 1	10 0.00	+19 40.5	1.922	2.707	15.6	21.3

210782 2001 DK_{1} 2 23.9 193°.68 1°.1/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.41	+ 9 7.8	1.979	2.811	12.8	20.9
2 1	10 44.17	+10 9.4	1.898	2.810	9.3	20.7
2 11	10 36.89	+11 22.8	1.844	2.808	5.3	20.4
2 21	10 28.26	+12 41.9	1.817	2.805	1.4	20.1
3 2	10 19.19	+13 59.2	1.821	2.801	3.7	20.3
3 12	10 10.75	+15 7.7	1.854	2.797	7.9	20.5
3 22	10 3.81	+16 2.2	1.913	2.793	11.6	20.7
4 1	9 59.04	+16 40.2	1.995	2.787	14.8	21.0

298818 2004 RU_{64} 2 23.9 129°.34 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.65	+ 7 40.2	1.812	2.638	14.1	21.9
2 1	10 47.20	+ 8 10.7	1.748	2.654	10.3	21.7
2 11	10 38.59	+ 8 52.6	1.708	2.669	6.0	21.5
2 21	10 28.63	+ 9 40.9	1.696	2.684	1.4	21.2
3 2	10 18.41	+10 29.2	1.714	2.697	3.3	21.3
3 12	10 9.08	+11 11.5	1.761	2.710	7.7	21.6
3 22	10 1.56	+11 43.5	1.834	2.723	11.6	21.9
4 1	9 56.44	+12 3.0	1.929	2.734	14.8	22.1

339500 2005 GT_{52} 2 23.9 262.°47 6.°5/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 44.86	−13 41.7	2.409	3.132	14.0	21.5
2 1	10 40.65	−13 47.4	2.307	3.121	11.9	21.3
2 11	10 34.78	−13 30.7	2.226	3.110	9.5	21.1
2 21	10 27.77	−12 51.0	2.169	3.099	7.5	21.0
3 2	10 20.33	−11 50.0	2.140	3.088	6.5	20.9
3 12	10 13.30	−10 32.3	2.139	3.076	7.4	20.9
3 22	10 7.40	− 9 4.5	2.165	3.065	9.5	21.0
4 1	10 3.24	− 7 33.7	2.216	3.053	12.0	21.2

467321 2001 PW_{7} 2 23.9 148.°44 2.°2/21.3 17

1 22	10 49.00	+17 6.2	3.049	3.881	8.8	21.9
2 1	10 43.14	+17 41.6	2.981	3.892	6.3	21.7
2 11	10 35.97	+18 18.4	2.942	3.903	3.8	21.6
2 21	10 28.01	+18 52.6	2.932	3.913	2.2	21.4
3 2	10 19.88	+19 20.6	2.955	3.922	3.6	21.6
3 12	10 12.25	+19 39.6	3.007	3.931	6.1	21.7
3 22	10 5.69	+19 48.3	3.088	3.939	8.5	21.9
4 1	10 0.63	+19 46.1	3.192	3.947	10.6	22.1

323882 2005 SV_{220} 2 23.9 118.°06 2.°6/21.8 18

1 22	10 54.38	+16 42.1	2.120	2.957	11.9	20.7
2 1	10 47.45	+17 9.8	2.061	2.973	8.6	20.5
2 11	10 38.60	+17 39.4	2.027	2.990	5.1	20.3
2 21	10 28.62	+18 5.5	2.023	3.005	2.6	20.2
3 2	10 18.48	+18 23.4	2.049	3.021	4.5	20.4
3 12	10 9.21	+18 29.8	2.104	3.035	7.9	20.6
3 22	10 1.60	+18 23.4	2.186	3.050	11.1	20.8
4 1	9 56.18	+18 4.6	2.291	3.063	13.7	21.0

343035 2009 BK_{140} 2 23.9 106.°18 0.°4/24.4 18

1 22	10 47.60	+ 6 54.8	2.325	3.147	11.5	21.2
2 1	10 42.48	+ 7 14.3	2.251	3.154	8.5	21.0
2 11	10 35.74	+ 7 43.3	2.203	3.162	5.0	20.8
2 21	10 27.97	+ 8 18.3	2.183	3.170	1.3	20.6
3 2	10 19.96	+ 8 55.0	2.193	3.177	2.5	20.7
3 12	10 12.54	+ 9 29.0	2.233	3.185	6.1	20.9
3 22	10 6.38	+ 9 56.8	2.300	3.192	9.4	21.2
4 1	10 2.02	+10 15.7	2.390	3.199	12.2	21.3

222792 2002 CL_{205} 2 23.9 45.°96 0.°3/23.7 18

1 22	10 46.76	+ 7 19.3	1.724	2.563	14.0	20.5
2 1	10 42.37	+ 8 9.7	1.656	2.569	10.3	20.3
2 11	10 35.87	+ 9 14.1	1.612	2.575	5.9	20.1
2 21	10 28.03	+10 26.2	1.594	2.582	1.3	19.8
3 2	10 19.83	+11 38.4	1.605	2.589	3.5	19.9
3 12	10 12.40	+12 43.2	1.644	2.595	7.9	20.2
3 22	10 6.62	+13 34.9	1.708	2.602	11.9	20.5
4 1	10 3.13	+14 10.5	1.794	2.610	15.3	20.7

101726 1999 EJ_{6} 2 23.9 27.°00 1.°0/24.7 18

1 22	10 46.63	+ 4 46.4	1.344	2.190	16.9	18.2
2 1	10 42.67	+ 5 15.6	1.285	2.199	12.5	18.0
2 11	10 36.19	+ 6 3.6	1.248	2.210	7.6	17.7
2 21	10 28.11	+ 7 4.4	1.235	2.221	2.3	17.4
3 2	10 19.68	+ 8 10.0	1.248	2.234	3.6	17.6
3 12	10 12.26	+ 9 11.1	1.287	2.247	8.7	17.9
3 22	10 6.89	+10 0.8	1.349	2.260	13.3	18.2
4 1	10 4.24	+10 34.7	1.432	2.275	17.1	18.5

426475 2013 RW 2 23.9 183.°03 0.°5/24.5 17

1 22	10 48.86	+ 6 3.0	2.414	3.229	11.3	22.6
2 1	10 43.41	+ 6 32.2	2.330	3.230	8.4	22.4
2 11	10 36.30	+ 7 11.9	2.272	3.230	5.0	22.1
2 21	10 28.12	+ 7 58.5	2.243	3.229	1.4	21.9
3 2	10 19.62	+ 8 47.3	2.244	3.228	2.5	22.0
3 12	10 11.63	+ 9 33.7	2.276	3.227	6.1	22.2
3 22	10 4.87	+10 13.4	2.335	3.224	9.4	22.4
4 1	9 59.89	+10 43.7	2.419	3.221	12.3	22.6

223282 2003 HL_{17} 2 23.9 348.°89 5.°7/29.3 18

1 22	10 43.04	− 8 3.9	1.532	2.324	17.8	19.7
2 1	10 40.00	− 7 42.9	1.449	2.319	14.5	19.4
2 11	10 34.68	− 6 50.9	1.386	2.314	10.7	19.2
2 21	10 27.79	− 5 29.1	1.346	2.310	7.1	19.0
3 2	10 20.36	− 3 43.3	1.332	2.307	5.8	18.9
3 12	10 13.62	− 1 43.8	1.344	2.305	8.3	19.0
3 22	10 8.60	+ 0 17.4	1.382	2.303	12.2	19.2
4 1	10 6.03	+ 2 9.4	1.442	2.302	16.0	19.5

268584 2006 BG_{144} 2 23.9 359.°32 2.°4/26.4 18

1 22	10 40.80	− 2 32.2	1.429	2.255	17.2	19.2
2 1	10 38.43	− 1 14.6	1.352	2.251	13.2	19.0
2 11	10 33.78	+ 0 34.4	1.297	2.249	8.6	18.7
2 21	10 27.58	+ 2 48.7	1.266	2.248	3.8	18.4
3 2	10 20.88	+ 5 17.1	1.263	2.249	3.5	18.4
3 12	10 14.93	+ 7 45.4	1.287	2.250	8.3	18.7
3 22	10 10.73	+10 0.4	1.336	2.252	13.0	19.0
4 1	10 9.01	+11 52.9	1.408	2.256	17.1	19.2

428372 2007 RU_{206} 2 23.9 208.°08 0.°9/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 47.09	+10 20.3	2.324	3.156	11.1	21.7
2 1	10 42.20	+10 59.7	2.243	3.154	8.1	21.5
2 11	10 35.64	+11 47.2	2.188	3.151	4.6	21.3
2 21	10 27.98	+12 38.2	2.161	3.148	1.2	21.0
3 2	10 19.99	+13 27.5	2.165	3.145	3.2	21.2
3 12	10 12.53	+14 10.3	2.198	3.142	6.7	21.4
3 22	10 6.33	+14 42.9	2.258	3.139	10.0	21.6
4 1	10 1.93	+15 3.4	2.341	3.135	12.8	21.8

31163 1997 WR_{18} 2 23.9 165.°91 1.°1/22.9 18

1 22	10 49.57	+10 29.4	2.116	2.949	12.1	20.0
2 1	10 44.11	+11 14.3	2.041	2.953	8.7	19.8
2 11	10 36.79	+12 7.9	1.992	2.956	5.0	19.6
2 21	10 28.25	+13 4.9	1.972	2.959	1.4	19.3
3 2	10 19.39	+13 59.2	1.982	2.962	3.5	19.5
3 12	10 11.17	+14 45.4	2.021	2.964	7.3	19.7
3 22	10 4.39	+15 19.7	2.086	2.966	10.8	19.9
4 1	9 59.65	+15 40.3	2.175	2.967	13.8	20.1

93008 2000 RR_{86} 2 23.9 334.°79 3.°2/22.3 18

1 22	10 54.13	+17 40.4	1.433	2.290	15.3	18.0
2 1	10 48.38	+17 39.8	1.354	2.276	11.3	17.7
2 11	10 39.69	+17 40.2	1.298	2.263	6.8	17.5
2 21	10 28.98	+17 35.4	1.267	2.251	3.3	17.2
3 2	10 17.66	+17 19.5	1.264	2.240	5.8	17.3
3 12	10 7.33	+16 48.9	1.286	2.230	10.5	17.6
3 22	9 59.27	+16 3.4	1.332	2.220	15.1	17.8
4 1	9 54.34	+15 4.4	1.397	2.212	18.9	18.0

76712 2000 JX_{4} 2 23.9 136.°92 2.°6/21.5 18

1 22	10 50.09	+16 42.4	2.276	3.117	11.0	20.3
2 1	10 44.36	+17 16.2	2.207	3.122	8.0	20.2
2 11	10 36.86	+17 52.5	2.164	3.127	4.7	20.0
2 21	10 28.26	+18 26.2	2.150	3.131	2.6	19.8
3 2	10 19.42	+18 52.3	2.166	3.136	4.4	19.9
3 12	10 11.24	+19 7.2	2.210	3.140	7.6	20.2
3 22	10 4.48	+19 9.2	2.281	3.145	10.7	20.4
4 1	9 59.68	+18 58.2	2.375	3.148	13.3	20.5

282818 2006 SD_{43} 2 23.9 83.°58 6.°0/ 1.3 18

1 22	10 47.34	−11 12.9	1.764	2.522	17.1	21.0
2 1	10 42.71	−10 45.3	1.696	2.541	14.0	20.9
2 11	10 36.04	− 9 48.4	1.649	2.560	10.6	20.7
2 21	10 28.10	− 8 24.1	1.627	2.579	7.4	20.6
3 2	10 19.88	− 6 38.3	1.631	2.598	6.0	20.5
3 12	10 12.46	− 4 40.6	1.664	2.617	7.7	20.6
3 22	10 6.71	− 2 41.3	1.724	2.635	10.8	20.9
4 1	10 3.20	− 0 49.7	1.808	2.653	14.0	21.1

234431 2001 SO_{9} 2 23.9 171.°12 4.°2/19.0 17

1 22	10 49.56	+24 7.9	2.750	3.590	9.3	20.7
2 1	10 43.79	+24 56.9	2.684	3.593	7.0	20.5
2 11	10 36.46	+25 43.3	2.645	3.595	4.9	20.4
2 21	10 28.18	+26 21.9	2.636	3.597	4.3	20.4
3 2	10 19.68	+26 48.5	2.656	3.599	5.7	20.5
3 12	10 11.74	+27 0.1	2.706	3.600	7.9	20.6
3 22	10 5.04	+26 56.3	2.781	3.601	10.2	20.8
4 1	10 0.07	+26 37.9	2.878	3.602	12.3	20.9

135259 2001 SS_{56} 2 23.9 153.°02 3.°0/27.8 18

1 22	10 44.60	− 4 22.9	2.643	3.417	11.6	20.2
2 1	10 40.21	− 3 49.8	2.557	3.422	9.1	20.0
2 11	10 34.41	− 3 0.0	2.495	3.426	6.4	19.8
2 21	10 27.71	− 1 56.0	2.461	3.431	3.8	19.7
3 2	10 20.75	− 0 41.6	2.457	3.435	3.2	19.6
3 12	10 14.24	+ 0 37.7	2.484	3.439	5.4	19.8
3 22	10 8.77	+ 1 56.3	2.539	3.442	8.2	20.0
4 1	10 4.81	+ 3 9.2	2.620	3.446	10.8	20.2

283948 2004 PU_{85} 2 23.9 140.°22 0.°4/23.6 18

1 22	10 51.97	+ 7 36.7	2.039	2.862	12.8	21.9
2 1	10 45.83	+ 8 31.7	1.973	2.878	9.4	21.7
2 11	10 37.77	+ 9 38.1	1.932	2.893	5.4	21.5
2 21	10 28.50	+10 50.1	1.919	2.907	1.2	21.2
3 2	10 18.96	+12 1.0	1.938	2.920	3.2	21.4
3 12	10 10.17	+13 4.2	1.987	2.933	7.2	21.7
3 22	10 2.94	+13 55.3	2.062	2.944	10.8	21.9
4 1	9 57.86	+14 31.8	2.161	2.954	13.8	22.1

41932 2000 WF_{178} 2 23.9 306.°90 3.°3/20.9 18

1 22	10 48.28	+16 15.9	1.894	2.745	12.4	19.5
2 1	10 43.44	+17 16.2	1.823	2.744	9.0	19.3
2 11	10 36.52	+18 21.7	1.777	2.742	5.4	19.1
2 21	10 28.23	+19 25.0	1.759	2.740	3.3	18.9
3 2	10 19.56	+20 18.9	1.770	2.738	5.5	19.1
3 12	10 11.59	+20 57.7	1.808	2.737	9.1	19.3
3 22	10 5.24	+21 18.6	1.871	2.735	12.6	19.5
4 1	10 1.13	+21 21.2	1.954	2.734	15.5	19.7

334177 2001 SC_{133} 2 23.9 88°.50 0°.9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 50.10	+11 45.8	2.395	3.224	10.9	20.7
2 1	10 44.15	+12 7.2	2.337	3.247	7.9	20.6
2 11	10 36.63	+12 33.9	2.305	3.269	4.5	20.4
2 21	10 28.21	+13 1.7	2.303	3.290	1.2	20.2
3 2	10 19.67	+13 26.7	2.331	3.312	3.0	20.3
3 12	10 11.82	+13 45.3	2.389	3.333	6.3	20.6
3 22	10 5.32	+13 55.3	2.475	3.353	9.4	20.8
4 1	10 0.64	+13 55.7	2.584	3.374	11.9	21.0

263741 2008 JY_{14} 2 23.9 5°.75 6°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.72	+22 23.4	1.645	2.505	13.5	20.4
2 1	10 44.81	+23 50.1	1.585	2.505	10.1	20.1
2 11	10 37.44	+25 16.8	1.549	2.506	7.1	20.0
2 21	10 28.46	+26 33.2	1.540	2.506	6.2	19.9
3 2	10 19.05	+27 30.1	1.559	2.506	8.4	20.0
3 12	10 10.56	+28 2.1	1.602	2.507	11.8	20.2
3 22	10 4.03	+28 7.9	1.668	2.508	15.1	20.4
4 1	10 0.16	+27 49.7	1.753	2.508	18.0	20.6

84483 2002 TU_{269} 2 23.9 331°.09 2°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.82	+ 3 42.3	1.185	2.029	18.8	19.1
2 1	10 46.32	+ 3 28.1	1.110	2.021	14.4	18.8
2 11	10 38.69	+ 3 33.5	1.056	2.014	9.2	18.5
2 21	10 28.81	+ 3 56.0	1.024	2.008	3.9	18.1
3 2	10 18.16	+ 4 30.0	1.017	2.002	4.4	18.1
3 12	10 8.48	+ 5 7.3	1.035	1.997	9.9	18.4
3 22	10 1.21	+ 5 40.0	1.074	1.992	15.2	18.7
4 1	9 57.30	+ 6 2.3	1.133	1.988	19.8	19.0

136998 1998 SG_{75} 2 23.9 127°.27 0°.8/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.29	+ 9 12.2	1.951	2.783	12.9	20.7
2 1	10 44.70	+10 1.1	1.886	2.796	9.4	20.5
2 11	10 37.15	+11 0.3	1.845	2.809	5.4	20.3
2 21	10 28.36	+12 3.9	1.833	2.821	1.3	20.0
3 2	10 19.31	+13 5.2	1.851	2.832	3.5	20.2
3 12	10 11.01	+13 58.0	1.898	2.843	7.5	20.5
3 22	10 4.30	+14 38.4	1.971	2.854	11.2	20.7
4 1	9 59.77	+15 4.2	2.066	2.864	14.2	21.0

197168 2003 UE_{279} 2 23.9 139°.15 0°.9/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 47.71	+10 20.7	2.377	3.208	11.0	20.6
2 1	10 42.57	+11 3.2	2.306	3.216	7.9	20.4
2 11	10 35.81	+11 53.4	2.260	3.224	4.5	20.2
2 21	10 28.05	+12 46.4	2.244	3.231	1.2	20.0
3 2	10 20.03	+13 37.3	2.258	3.239	3.1	20.1
3 12	10 12.59	+14 21.2	2.302	3.245	6.5	20.4
3 22	10 6.41	+14 54.8	2.373	3.252	9.7	20.6
4 1	10 2.00	+15 16.3	2.467	3.258	12.4	20.8

78905 Seanokeefe 2 23.9 8°.30 16°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 36.34	−28 10.8	1.088	1.802	28.0	17.3
2 1	10 35.89	−29 6.8	1.026	1.804	25.7	17.1
2 11	10 32.63	−29 8.0	0.974	1.808	23.0	16.9
2 21	10 27.39	−28 6.2	0.936	1.814	20.1	16.8
3 2	10 21.54	−25 59.4	0.914	1.822	17.7	16.6
3 12	10 16.72	−22 56.6	0.911	1.832	16.5	16.6
3 22	10 14.22	−19 16.8	0.928	1.845	17.1	16.7
4 1	10 14.84	−15 24.2	0.966	1.859	19.2	16.8

222690 2002 AB_{6} 2 23.9 80°.39 8°.1/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 54.19	−10 27.5	1.897	2.641	16.6	19.7
2 1	10 47.82	−11 45.8	1.815	2.644	14.0	19.5
2 11	10 39.15	−12 43.4	1.754	2.647	11.2	19.3
2 21	10 28.88	−13 17.4	1.719	2.651	8.9	19.2
3 2	10 18.06	−13 26.9	1.710	2.654	8.2	19.2
3 12	10 7.88	−13 14.9	1.729	2.657	9.5	19.2
3 22	9 59.39	−12 47.2	1.773	2.660	12.0	19.4
4 1	9 53.31	−12 11.0	1.839	2.664	14.7	19.6

89563 2001 XY_{101} 2 23.9 158°.15 4°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 53.03	+17 22.4	1.720	2.569	13.6	19.6
2 1	10 47.05	+18 31.1	1.656	2.575	9.9	19.4
2 11	10 38.68	+19 44.0	1.617	2.580	6.1	19.2
2 21	10 28.76	+20 52.5	1.606	2.585	4.0	19.1
3 2	10 18.45	+21 48.1	1.624	2.589	6.3	19.2
3 12	10 9.06	+22 24.9	1.668	2.592	10.1	19.4
3 22	10 1.59	+22 40.8	1.737	2.595	13.7	19.7
4 1	9 56.72	+22 36.5	1.827	2.597	16.8	19.9

241510 2009 DQ_{39} 2 23.9 218°.99 0°.5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.79	+ 6 21.7	2.686	3.502	10.3	20.9
2 1	10 41.82	+ 6 42.7	2.595	3.495	7.6	20.7
2 11	10 35.38	+ 7 12.7	2.531	3.488	4.6	20.5
2 21	10 27.97	+ 7 48.7	2.495	3.481	1.3	20.3
3 2	10 20.25	+ 8 27.1	2.490	3.474	2.3	20.3
3 12	10 12.95	+ 9 3.8	2.515	3.466	5.6	20.6
3 22	10 6.70	+ 9 35.3	2.568	3.458	8.6	20.7
4 1	10 2.02	+ 9 59.1	2.646	3.450	11.3	20.9

74996 1999 TV_{271} 2 23.9 208°.65 2°.4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 22	10 51.33	+ 1 37.3	1.927	2.733	14.1	19.8
2 1	10 45.67	+ 1 41.5	1.839	2.728	10.8	19.6
2 11	10 37.86	+ 2 1.3	1.774	2.723	7.0	19.3
2 21	10 28.60	+ 2 34.4	1.737	2.718	3.3	19.1
3 2	10 18.83	+ 3 16.5	1.728	2.711	3.3	19.1
3 12	10 9.67	+ 4 1.7	1.749	2.705	7.2	19.3
3 22	10 2.07	+ 4 44.6	1.796	2.698	11.1	19.5
4 1	9 56.72	+ 5 20.3	1.867	2.690	14.5	19.7

212015 2005 CJ_{6} 2 23.9 13°.84 0°.2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 46.15	+ 6 25.4	1.172	2.031	17.9	19.9
2 1	10 42.71	+ 7 1.7	1.112	2.034	13.2	19.6
2 11	10 36.43	+ 7 57.9	1.072	2.038	7.8	19.4
2 21	10 28.28	+ 9 6.6	1.056	2.044	1.9	19.0
3 2	10 19.65	+10 18.0	1.065	2.050	4.1	19.2
3 12	10 12.10	+11 21.4	1.098	2.058	9.8	19.5
3 22	10 6.84	+12 9.4	1.153	2.066	14.9	19.8
4 1	10 4.62	+12 37.8	1.228	2.076	19.1	20.1

298872 2004 RG_{337} 2 24.0 81°.08 0°.2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.90	+ 7 1.7	1.454	2.292	16.3	21.9
2 1	10 47.02	+ 7 33.1	1.401	2.312	11.9	21.7
2 11	10 38.64	+ 8 19.1	1.371	2.333	7.0	21.4
2 21	10 28.75	+ 9 13.1	1.366	2.354	1.7	21.1
3 2	10 18.65	+10 7.6	1.390	2.374	3.6	21.3
3 12	10 9.68	+10 54.9	1.440	2.394	8.6	21.7
3 22	10 2.86	+11 30.0	1.515	2.414	12.9	22.0
4 1	9 58.79	+11 50.3	1.612	2.433	16.5	22.3

69193 3326 $T\text{-}_{1}$ 2 24.0 32°.19 2°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 48.06	+ 1 25.1	1.203	2.043	18.8	19.2
2 1	10 44.08	+ 1 54.7	1.139	2.048	14.3	18.9
2 11	10 37.24	+ 2 50.0	1.095	2.053	9.1	18.7
2 21	10 28.48	+ 4 5.8	1.074	2.058	3.7	18.4
3 2	10 19.19	+ 5 32.7	1.079	2.064	4.0	18.4
3 12	10 10.96	+ 6 58.8	1.109	2.071	9.4	18.7
3 22	10 5.02	+ 8 14.0	1.161	2.078	14.4	19.0
4 1	10 2.16	+ 9 11.5	1.233	2.085	18.8	19.3

266292 2007 BV_{43} 2 24.0 331°.52 0°.9/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 49.63	+ 6 44.2	1.595	2.432	15.1	20.0
2 1	10 44.78	+ 6 45.5	1.515	2.425	11.3	19.7
2 11	10 37.49	+ 6 59.8	1.457	2.418	6.8	19.4
2 21	10 28.54	+ 7 23.4	1.425	2.411	2.0	19.1
3 2	10 19.05	+ 7 51.3	1.420	2.405	3.4	19.2
3 12	10 10.31	+ 8 17.3	1.443	2.400	8.2	19.5
3 22	10 3.40	+ 8 36.7	1.489	2.394	12.7	19.7
4 1	9 59.08	+ 8 45.8	1.558	2.390	16.5	19.9

256384 2006 YS_{35} 2 24.0 86°.46 3°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 52.49	+17 11.9	1.821	2.668	13.0	20.7
2 1	10 46.31	+18 19.3	1.778	2.696	9.4	20.5
2 11	10 38.06	+19 29.0	1.760	2.722	5.7	20.4
2 21	10 28.61	+20 33.1	1.770	2.749	3.7	20.3
3 2	10 19.05	+21 24.5	1.809	2.774	5.7	20.5
3 12	10 10.49	+21 58.4	1.876	2.800	9.2	20.7
3 22	10 3.78	+22 13.5	1.968	2.825	12.4	21.0
4 1	9 59.43	+22 10.7	2.081	2.849	15.1	21.2

343603 2010 GW_{111} 2 24.0 293°.57 3°.6/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.28	− 3 36.6	2.239	3.024	13.1	21.3
2 1	10 40.99	− 3 25.9	2.150	3.022	10.3	21.1
2 11	10 35.02	− 2 57.4	2.085	3.019	7.3	20.9
2 21	10 27.94	− 2 12.7	2.046	3.016	4.4	20.7
3 2	10 20.49	− 1 15.6	2.036	3.013	3.8	20.7
3 12	10 13.52	− 0 11.6	2.054	3.010	6.2	20.8
3 22	10 7.78	+ 0 53.4	2.100	3.008	9.4	21.0
4 1	10 3.84	+ 1 53.8	2.171	3.005	12.4	21.2

401716 2013 HY_{117} 2 24.0 149°.57 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 50.66	+ 6 56.4	2.034	2.857	12.9	21.7
2 1	10 44.95	+ 7 38.5	1.962	2.866	9.4	21.5
2 11	10 37.33	+ 8 32.5	1.915	2.875	5.5	21.3
2 21	10 28.47	+ 9 33.2	1.896	2.883	1.3	21.0
3 2	10 19.31	+10 34.7	1.907	2.891	3.0	21.1
3 12	10 10.83	+11 30.6	1.948	2.898	7.1	21.4
3 22	10 3.87	+12 16.4	2.016	2.904	10.7	21.6
4 1	9 59.02	+12 49.2	2.108	2.910	13.8	21.8

336035 2007 VA_{135} 2 24.0 62°.77 3°.9/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 22	10 45.79	− 4 31.3	2.141	2.924	13.7	20.7
2 1	10 41.35	− 4 24.3	2.065	2.933	10.9	20.5
2 11	10 35.21	− 3 58.6	2.012	2.943	7.7	20.3
2 21	10 27.98	− 3 15.8	1.985	2.952	4.8	20.2
3 2	10 20.47	− 2 20.0	1.986	2.962	4.1	20.1
3 12	10 13.54	− 1 16.7	2.016	2.972	6.4	20.3
3 22	10 7.92	− 0 12.2	2.073	2.982	9.5	20.5
4 1	10 4.17	+ 0 47.8	2.155	2.991	12.3	20.7