57145 2001 PV_{43} 4 16.9 208°.11 4°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.14	− 2 36.1	1.629	2.470	15.1	20.2
3 22	14 4.04	− 1 46.4	1.550	2.467	11.5	19.9
4 1	13 56.37	− 0 51.0	1.495	2.462	7.6	19.7
4 11	13 46.91	+ 0 3.4	1.466	2.457	4.4	19.5
4 21	13 36.70	+ 0 49.7	1.463	2.451	5.5	19.5
5 1	13 26.98	+ 1 21.4	1.487	2.445	9.4	19.7
5 11	13 18.84	+ 1 34.4	1.535	2.438	13.4	19.9
5 21	13 13.01	+ 1 27.5	1.603	2.431	17.0	20.2

93154 2000 SK_{84} 4 16.9 110°.59 0°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.65	− 9 55.7	2.064	2.885	13.2	20.1
3 22	14 1.48	− 9 27.1	1.996	2.902	9.9	20.0
4 1	13 54.39	− 8 49.7	1.953	2.918	6.2	19.8
4 11	13 46.06	− 8 7.1	1.936	2.933	2.3	19.5
4 21	13 37.34	− 7 24.0	1.948	2.949	2.2	19.5
5 1	13 29.12	− 6 45.2	1.988	2.964	6.0	19.8
5 11	13 22.21	− 6 15.0	2.056	2.978	9.5	20.1
5 21	13 17.11	− 5 56.2	2.146	2.992	12.6	20.3

248931 2006 WY_{26} 4 16.9 277°.14 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.58	−20 14.7	2.337	3.127	12.8	20.1
3 22	13 57.75	−19 54.8	2.240	3.120	10.2	19.9
4 1	13 52.12	−19 19.4	2.166	3.112	7.1	19.7
4 11	13 45.24	−18 30.1	2.118	3.105	3.9	19.4
4 21	13 37.84	−17 30.1	2.098	3.097	2.3	19.3
5 1	13 30.72	−16 24.1	2.106	3.090	4.9	19.5
5 11	13 24.65	−15 18.2	2.142	3.082	8.2	19.7
5 21	13 20.19	−14 17.9	2.203	3.075	11.3	19.9

271887 2004 VN_{12} 4 16.9 108°.00 5°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.50	+ 5 27.2	2.025	2.862	12.8	20.2
3 22	14 2.10	+ 6 14.4	1.966	2.874	9.9	20.0
4 1	13 54.77	+ 6 58.3	1.932	2.885	7.3	19.9
4 11	13 46.20	+ 7 32.8	1.924	2.896	5.9	19.8
4 21	13 37.26	+ 7 52.9	1.943	2.907	6.9	19.9
5 1	13 28.86	+ 7 55.3	1.990	2.918	9.3	20.0
5 11	13 21.80	+ 7 39.2	2.060	2.928	12.1	20.2
5 21	13 16.58	+ 7 5.5	2.152	2.938	14.6	20.4

144879 2004 RS_{39} 4 16.9 12°.40 6°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.71	−22 19.6	1.317	2.125	19.9	18.2
3 22	14 4.63	−23 44.5	1.247	2.129	16.3	18.0
4 1	13 57.24	−24 50.9	1.195	2.134	12.4	17.8
4 11	13 47.38	−25 34.6	1.166	2.140	8.6	17.6
4 21	13 36.40	−25 53.9	1.160	2.147	6.9	17.5
5 1	13 25.97	−25 51.5	1.178	2.156	8.8	17.6
5 11	13 17.62	−25 34.7	1.219	2.165	12.5	17.9
5 21	13 12.30	−25 12.1	1.280	2.176	16.3	18.1

343037 2009 BF_{141} 4 16.9 127°.84 2°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.73	− 5 53.2	2.406	3.234	11.3	22.0
3 22	13 59.06	− 5 12.3	2.335	3.244	8.5	21.8
4 1	13 52.77	− 4 26.0	2.288	3.254	5.3	21.6
4 11	13 45.44	− 3 38.5	2.269	3.264	2.5	21.4
4 21	13 37.76	− 2 53.9	2.279	3.274	3.1	21.5
5 1	13 30.46	− 2 16.7	2.319	3.283	6.1	21.7
5 11	13 24.22	− 1 50.2	2.384	3.292	9.1	21.9
5 21	13 19.48	− 1 36.1	2.474	3.300	11.7	22.1

119595 2001 WY_{8} 4 16.9 267°.68 6°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.42	+ 5 4.9	1.948	2.785	13.2	20.0
3 22	14 3.28	+ 5 57.3	1.854	2.762	10.4	19.8
4 1	13 55.85	+ 6 48.7	1.785	2.739	7.7	19.6
4 11	13 46.74	+ 7 32.2	1.741	2.714	6.3	19.5
4 21	13 36.84	+ 8 1.4	1.725	2.690	7.5	19.5
5 1	13 27.17	+ 8 11.2	1.736	2.665	10.4	19.6
5 11	13 18.76	+ 7 59.2	1.770	2.640	13.7	19.7
5 21	13 12.33	+ 7 25.7	1.825	2.614	16.7	19.9

213768 2003 CK_{20} 4 16.9 95°.24 0°.6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.71	−11 20.2	2.351	3.169	11.8	20.8
3 22	13 58.33	−10 42.0	2.280	3.184	8.9	20.6
4 1	13 52.32	− 9 54.6	2.234	3.198	5.6	20.4
4 11	13 45.27	− 9 1.6	2.215	3.213	2.1	20.2
4 21	13 37.89	− 8 7.3	2.225	3.227	1.8	20.2
5 1	13 30.91	− 7 16.5	2.265	3.241	5.3	20.5
5 11	13 25.01	− 6 33.6	2.331	3.255	8.5	20.7
5 21	13 20.64	− 6 1.5	2.422	3.268	11.3	20.9

382810 2003 UX_{214} 4 16.9 266°.54 0°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.66	−10 35.5	2.091	2.910	13.1	21.4
3 22	14 1.83	−10 29.8	1.991	2.894	10.1	21.2
4 1	13 54.87	−10 15.5	1.914	2.878	6.5	20.9
4 11	13 46.36	− 9 54.8	1.865	2.862	2.5	20.6
4 21	13 37.10	− 9 31.0	1.843	2.845	1.8	20.5
5 1	13 28.07	− 9 8.2	1.850	2.829	6.0	20.8
5 11	13 20.19	− 8 50.8	1.883	2.812	9.9	21.0
5 21	13 14.15	− 8 42.2	1.940	2.794	13.4	21.1

377149 2003 SV_{47} 4 16.9 172°.50 2°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.02	−20 7.2	2.873	3.645	11.1	22.0
3 22	13 59.93	−19 51.7	2.780	3.649	8.8	21.8
4 1	13 53.30	−19 23.9	2.711	3.653	6.1	21.7
4 11	13 45.66	−18 44.9	2.670	3.656	3.4	21.5
4 21	13 37.62	−17 57.2	2.659	3.658	2.1	21.4
5 1	13 29.87	−17 4.6	2.678	3.659	4.2	21.5
5 11	13 23.06	−16 11.4	2.726	3.660	7.0	21.7
5 21	13 17.64	−15 22.0	2.800	3.660	9.6	21.9

364710 2007 VU_{7} 4 16.9 193°.83 2°.5/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.36	−18 42.0	1.912	2.706	15.1	21.9
3 22	14 4.06	−18 44.4	1.822	2.704	12.0	21.7
4 1	13 56.35	−18 31.0	1.754	2.702	8.3	21.5
4 11	13 46.92	−18 2.7	1.711	2.699	4.4	21.2
4 21	13 36.75	−17 22.1	1.696	2.696	2.7	21.1
5 1	13 26.96	−16 34.2	1.709	2.692	6.0	21.3
5 11	13 18.60	−15 45.6	1.749	2.687	9.9	21.5
5 21	13 12.38	−15 2.3	1.813	2.682	13.5	21.7

430765 2004 RU_{174} 4 16.9 216°.97 5°.0/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.19	−27 33.3	2.366	3.110	14.0	22.1
3 22	14 2.18	−27 47.5	2.263	3.102	11.6	21.9
4 1	13 55.05	−27 43.8	2.181	3.094	9.0	21.8
4 11	13 46.42	−27 21.0	2.124	3.085	6.4	21.6
4 21	13 37.09	−26 40.0	2.095	3.075	5.0	21.5
5 1	13 28.03	−25 44.3	2.093	3.065	6.0	21.5
5 11	13 20.14	−24 39.9	2.119	3.054	8.6	21.6
5 21	13 14.09	−23 33.3	2.170	3.043	11.5	21.8

132856 2002 RK_{61} 4 16.9 307°.62 2°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.29	−14 43.4	1.780	2.590	15.4	19.5
3 22	14 5.42	−15 25.2	1.660	2.554	12.3	19.2
4 1	13 57.71	−15 58.4	1.563	2.518	8.5	18.9
4 11	13 47.65	−16 22.3	1.491	2.482	4.3	18.5
4 21	13 36.16	−16 36.9	1.446	2.446	2.8	18.3
5 1	13 24.52	−16 44.3	1.428	2.411	6.9	18.5
5 11	13 14.10	−16 48.6	1.436	2.375	11.6	18.7
5 21	13 5.97	−16 54.5	1.467	2.339	15.9	18.8

365859 2011 UK_{133} 4 17.0 334°.40 4°.6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.07	−22 17.5	1.311	2.127	19.5	20.2
3 22	14 1.06	−22 27.6	1.230	2.121	15.9	19.9
4 1	13 54.93	−22 12.7	1.167	2.116	11.5	19.7
4 11	13 46.51	−21 32.3	1.126	2.110	7.0	19.4
4 21	13 37.03	−20 29.5	1.109	2.106	4.6	19.2
5 1	13 28.06	−19 12.2	1.115	2.102	7.7	19.4
5 11	13 21.00	−17 51.5	1.145	2.098	12.4	19.6
5 21	13 16.78	−16 38.1	1.195	2.095	16.8	19.9

114657 2003 FG_{3} 4 17.0 12°.42 12°.7/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.67	+30 23.0	2.223	3.003	13.7	19.2
3 22	14 0.10	+32 3.2	2.192	3.004	12.9	19.2
4 1	13 53.56	+33 22.9	2.182	3.005	12.7	19.1
4 11	13 45.77	+34 14.6	2.194	3.006	13.2	19.2
4 21	13 37.61	+34 34.1	2.226	3.007	14.1	19.2
5 1	13 29.99	+34 20.3	2.277	3.008	15.2	19.3
5 11	13 23.73	+33 35.4	2.345	3.009	16.5	19.4
5 21	13 19.31	+32 23.9	2.426	3.011	17.6	19.5

71347 2000 AH_{105} 4 17.0 249°.43 8°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.00	+12 46.6	2.228	3.059	12.0	19.6
3 22	14 0.33	+14 7.7	2.154	3.045	10.0	19.4
4 1	13 53.76	+15 22.5	2.104	3.030	8.5	19.3
4 11	13 45.90	+16 23.6	2.080	3.015	8.3	19.3
4 21	13 37.49	+17 4.8	2.083	3.000	9.4	19.3
5 1	13 29.41	+17 22.0	2.110	2.984	11.5	19.4
5 11	13 22.44	+17 14.2	2.160	2.968	13.7	19.5
5 21	13 17.17	+16 42.8	2.229	2.951	15.9	19.7

40922 1999 TH_{172} 4 17.0 242°.83 2°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.49	− 6 14.9	2.006	2.838	13.1	19.1
3 22	14 0.86	− 5 48.1	1.921	2.833	9.9	18.9
4 1	13 54.17	− 5 14.8	1.861	2.828	6.3	18.7
4 11	13 46.07	− 4 39.1	1.827	2.824	2.7	18.5
4 21	13 37.38	− 4 5.6	1.821	2.818	3.2	18.5
5 1	13 29.04	− 3 39.0	1.844	2.813	6.9	18.7
5 11	13 21.93	− 3 23.4	1.891	2.808	10.6	18.9
5 21	13 16.67	− 3 20.9	1.962	2.803	13.8	19.1

138908 2000 YG_{130} 4 17.0 215°.56 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.40	−17 10.4	2.925	3.714	10.5	20.8
3 22	13 57.99	−16 53.4	2.825	3.707	8.2	20.7
4 1	13 52.11	−16 25.8	2.749	3.700	5.5	20.5
4 11	13 45.24	−15 49.1	2.701	3.692	2.7	20.3
4 21	13 37.95	−15 5.9	2.682	3.684	1.5	20.2
5 1	13 30.87	−14 19.6	2.693	3.675	4.1	20.4
5 11	13 24.63	−13 34.3	2.733	3.667	7.0	20.5
5 21	13 19.67	−12 53.6	2.799	3.657	9.6	20.7

9893 1996 AA_1 4 17.0 324°.63 1°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.70	−14 37.0	1.205	2.052	19.0	17.1
3 22	14 0.93	−14 30.8	1.124	2.040	14.9	16.8
4 1	13 54.96	−14 5.6	1.062	2.029	9.9	16.5
4 11	13 46.57	−13 23.5	1.021	2.018	4.2	16.1
4 21	13 37.02	−12 30.1	1.004	2.008	2.3	16.0
5 1	13 27.90	−11 33.9	1.011	1.998	8.2	16.3
5 11	13 20.73	−10 44.7	1.040	1.989	13.7	16.6
5 21	13 16.46	−10 10.0	1.088	1.981	18.6	16.8

296383 2009 FB_{57} 4 17.0 247°.33 11°.2/30.4 18

3 12	14 4.56	+29 21.9	2.582	3.358	12.1	20.1
3 22	13 59.84	+30 55.1	2.538	3.350	11.4	20.0
4 1	13 53.35	+32 11.6	2.517	3.341	11.2	20.0
4 11	13 45.71	+33 4.7	2.518	3.332	11.6	20.0
4 21	13 37.67	+33 30.1	2.541	3.323	12.5	20.1
5 1	13 30.02	+33 26.1	2.584	3.314	13.6	20.1
5 11	13 23.51	+32 54.0	2.644	3.304	14.9	20.2
5 21	13 18.62	+31 57.1	2.719	3.295	16.0	20.3

457757 2009 HP_{88} 4 17.0 12°.01 0°.5/17.3 17

3 12	14 4.05	−12 30.0	1.156	2.011	19.2	20.6
3 22	14 1.03	−12 30.4	1.092	2.013	14.8	20.3
4 1	13 54.85	−12 15.1	1.047	2.016	9.6	20.1
4 11	13 46.45	−11 47.2	1.023	2.021	3.8	19.7
4 21	13 37.16	−11 12.5	1.023	2.027	2.3	19.6
5 1	13 28.57	−10 38.5	1.047	2.033	8.1	20.0
5 11	13 22.04	−10 12.9	1.092	2.041	13.3	20.3
5 21	13 18.37	−10 0.9	1.157	2.050	17.8	20.6

138712 2000 SJ_{105} 4 17.0 254°.31 1°.0/15.9 17

3 12	14 1.99	− 9 56.5	2.517	3.337	11.1	21.2
3 22	13 57.90	− 9 16.2	2.418	3.323	8.4	21.0
4 1	13 52.16	− 8 27.1	2.343	3.309	5.3	20.8
4 11	13 45.29	− 7 32.4	2.296	3.294	2.0	20.5
4 21	13 37.92	− 6 36.2	2.278	3.278	2.1	20.5
5 1	13 30.77	− 5 43.4	2.290	3.263	5.5	20.7
5 11	13 24.53	− 4 58.4	2.329	3.247	8.8	20.9
5 21	13 19.72	− 4 24.5	2.392	3.231	11.7	21.1

85442 1997 GW_1 4 17.0 230°.47 0°.2/16.8 17

3 12	14 5.65	−12 46.5	1.770	2.595	14.9	20.7
3 22	14 1.33	−12 14.2	1.683	2.589	11.4	20.5
4 1	13 54.65	−11 27.8	1.618	2.583	7.3	20.2
4 11	13 46.30	−10 31.0	1.579	2.576	2.8	19.9
4 21	13 37.25	− 9 29.1	1.567	2.569	2.0	19.9
5 1	13 28.58	− 8 29.0	1.583	2.562	6.7	20.1
5 11	13 21.32	− 7 37.4	1.624	2.555	11.0	20.4
5 21	13 16.17	− 6 59.3	1.687	2.548	14.8	20.6

312988 1999 TA_{67} 4 17.0 225°.99 0°.8/17.6 17

3 12	14 6.20	−14 49.1	1.684	2.505	15.7	21.7
3 22	14 1.87	−14 28.2	1.599	2.501	12.1	21.4
4 1	13 55.05	−13 51.7	1.536	2.497	8.0	21.2
4 11	13 46.47	−13 2.3	1.497	2.493	3.3	20.9
4 21	13 37.14	−12 4.8	1.486	2.489	1.8	20.8
5 1	13 28.23	−11 6.2	1.501	2.484	6.6	21.1
5 11	13 20.83	−10 13.6	1.542	2.480	11.0	21.3
5 21	13 15.67	− 9 32.7	1.605	2.475	14.9	21.5

232908 2004 XE_{136} 4 17.0 169°.91 1°.9/18.9 17

3 12	14 5.97	−18 31.4	2.508	3.293	12.2	21.9
3 22	14 0.87	−18 21.6	2.419	3.297	9.6	21.7
4 1	13 54.02	−17 59.1	2.353	3.300	6.6	21.5
4 11	13 45.99	−17 25.3	2.314	3.303	3.4	21.3
4 21	13 37.49	−16 42.8	2.305	3.305	2.0	21.2
5 1	13 29.32	−15 55.7	2.325	3.307	4.7	21.4
5 11	13 22.21	−15 8.8	2.374	3.308	7.8	21.6
5 21	13 16.69	−14 26.6	2.447	3.309	10.7	21.8

363753 2005 AQ_{64} 4 17.0 200°.23 3°.5/19.9 16

3 12	14 8.72	−21 36.6	1.852	2.638	15.8	21.8
3 22	14 3.72	−21 40.2	1.761	2.635	12.7	21.6
4 1	13 56.22	−21 25.3	1.690	2.632	9.1	21.4
4 11	13 46.93	−20 51.9	1.645	2.628	5.4	21.1
4 21	13 36.85	−20 2.5	1.627	2.623	3.6	21.0
5 1	13 27.15	−19 2.6	1.636	2.618	6.2	21.1
5 11	13 18.94	−17 59.5	1.672	2.613	10.1	21.4
5 21	13 12.95	−17 0.7	1.731	2.607	13.7	21.6

502912 2015 EW_{16} 4 17.0 168°.28 3°.5/13.9 17

3 12	14 5.82	− 2 30.3	1.951	2.790	13.1	21.5
3 22	14 1.08	− 1 50.0	1.876	2.791	9.9	21.3
4 1	13 54.29	− 1 5.8	1.826	2.792	6.5	21.1
4 11	13 46.12	− 0 23.1	1.801	2.793	3.7	21.0
4 21	13 37.43	+ 0 12.9	1.805	2.793	4.6	21.0
5 1	13 29.18	+ 0 37.3	1.836	2.794	7.9	21.2
5 11	13 22.21	+ 0 46.8	1.892	2.794	11.3	21.4
5 21	13 17.11	+ 0 40.5	1.970	2.795	14.4	21.6

425840 2011 EO_{39} 4 17.0 338°.49 3°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.23	− 4 58.9	1.571	2.424	15.0	20.9
3 22	13 58.91	− 4 10.7	1.494	2.417	11.3	20.7
4 1	13 53.18	− 3 14.3	1.439	2.410	7.3	20.4
4 11	13 45.77	− 2 16.2	1.409	2.403	3.8	20.2
4 21	13 37.65	− 1 23.4	1.404	2.398	4.7	20.2
5 1	13 29.97	− 0 43.0	1.425	2.392	8.8	20.5
5 11	13 23.76	− 0 20.0	1.470	2.388	12.9	20.7
5 21	13 19.71	− 0 16.7	1.535	2.384	16.6	20.9

356707 2011 UG_{149} 4 17.0 233°.48 0°.7/16.1 18

3 12	14 2.72	− 9 50.6	2.958	3.770	9.8	22.4
3 22	13 58.20	− 9 19.3	2.855	3.756	7.5	22.2
4 1	13 52.26	− 8 40.8	2.777	3.741	4.7	22.0
4 11	13 45.32	− 7 57.8	2.728	3.725	1.8	21.8
4 21	13 37.95	− 7 13.5	2.709	3.709	1.7	21.7
5 1	13 30.77	− 6 31.5	2.720	3.693	4.7	21.9
5 11	13 24.36	− 5 55.5	2.759	3.676	7.6	22.1
5 21	13 19.19	− 5 27.9	2.824	3.659	10.2	22.2

125150 2001 UZ_{81} 4 17.0 46°.89 2°.3/15.7 18

3 12	14 9.52	− 6 27.3	1.244	2.097	18.2	19.5
3 22	14 4.86	− 6 16.0	1.184	2.105	13.8	19.3
4 1	13 57.12	− 5 56.7	1.144	2.115	8.7	19.0
4 11	13 47.28	− 5 34.3	1.127	2.124	3.6	18.7
4 21	13 36.71	− 5 14.9	1.135	2.135	3.8	18.8
5 1	13 26.93	− 5 4.5	1.168	2.145	8.9	19.1
5 11	13 19.23	− 5 7.4	1.223	2.156	13.7	19.4
5 21	13 14.36	− 5 25.5	1.298	2.167	17.8	19.7

64809 2001 XY_{213} 4 17.0 213°.56 7°.9/ 8.7 17

3 12	14 5.66	+10 40.0	2.080	2.916	12.5	19.4
3 22	14 0.89	+12 3.0	2.013	2.911	10.2	19.2
4 1	13 54.14	+13 20.5	1.970	2.905	8.4	19.1
4 11	13 46.07	+14 24.6	1.954	2.900	8.0	19.0
4 21	13 37.50	+15 9.1	1.964	2.893	9.2	19.1
5 1	13 29.34	+15 29.5	1.999	2.887	11.4	19.2
5 11	13 22.40	+15 24.8	2.056	2.880	13.8	19.4
5 21	13 17.26	+14 56.7	2.133	2.872	16.1	19.5

130443 2000 QC_{26} 4 17.0 207°.03 2°.5/18.8 17

3 12	14 10.72	−17 46.1	1.821	2.619	15.6	19.6
3 22	14 5.28	−17 58.5	1.730	2.615	12.3	19.4
4 1	13 57.26	−17 56.1	1.660	2.610	8.5	19.2
4 11	13 47.36	−17 39.2	1.615	2.605	4.5	18.9
4 21	13 36.61	−17 10.0	1.598	2.598	2.7	18.8
5 1	13 26.20	−16 33.2	1.609	2.592	6.3	19.0
5 11	13 17.28	−15 55.1	1.646	2.584	10.4	19.2
5 21	13 10.65	−15 21.7	1.707	2.576	14.2	19.4

175657 3426 $T\text{-}_3$ 4 17.0 175°.55 0°.1/17.1 16

3 12	14 8.67	−12 53.4	2.114	2.922	13.4	22.4
3 22	14 3.18	−12 31.4	2.029	2.926	10.2	22.2
4 1	13 55.62	−11 58.2	1.968	2.928	6.6	22.0
4 11	13 46.66	−11 16.4	1.933	2.930	2.6	21.7
4 21	13 37.14	−10 30.2	1.928	2.931	1.6	21.7
5 1	13 28.01	− 9 44.5	1.952	2.931	5.7	21.9
5 11	13 20.16	− 9 4.6	2.003	2.930	9.5	22.2
5 21	13 14.19	− 8 34.4	2.078	2.929	12.8	22.4

472105 2014 AC_{36} 4 17.0 185°.05 2°.6/14.4 17

3 12	14 4.20	− 4 59.9	2.186	3.019	12.1	21.6
3 22	13 59.68	− 4 14.6	2.107	3.019	9.1	21.4
4 1	13 53.34	− 3 23.4	2.052	3.019	5.8	21.2
4 11	13 45.77	− 2 31.1	2.024	3.018	2.9	21.0
4 21	13 37.73	− 1 42.8	2.025	3.017	3.7	21.1
5 1	13 30.05	− 1 3.3	2.054	3.016	6.9	21.3
5 11	13 23.49	− 0 36.5	2.109	3.015	10.2	21.5
5 21	13 18.60	− 0 24.3	2.187	3.013	13.1	21.7

248593 2006 CP_{66} 4 17.0 310°.21 0°.1/17.0 17

3 12	14 2.81	−13 6.3	1.286	2.134	18.0	20.6
3 22	14 0.20	−12 43.1	1.193	2.111	14.0	20.3
4 1	13 54.52	−12 1.2	1.120	2.089	9.1	20.0
4 11	13 46.47	−11 3.8	1.070	2.067	3.6	19.6
4 21	13 37.17	− 9 57.0	1.043	2.046	2.4	19.4
5 1	13 28.13	− 8 50.3	1.041	2.025	8.4	19.7
5 11	13 20.81	− 7 53.6	1.061	2.005	14.1	19.9
5 21	13 16.26	− 7 14.3	1.100	1.986	19.0	20.2

392157 2009 HB_{84} 4 17.0 48°.64 6°.4/12.2 18

3 12	14 8.61	+ 8 2.6	1.998	2.832	13.0	20.1
3 22	14 2.94	+ 8 29.3	1.944	2.847	10.3	20.0
4 1	13 55.31	+ 8 49.7	1.914	2.862	7.7	19.8
4 11	13 46.47	+ 8 58.3	1.910	2.878	6.4	19.8
4 21	13 37.31	+ 8 51.3	1.933	2.893	7.2	19.9
5 1	13 28.75	+ 8 26.6	1.983	2.909	9.5	20.0
5 11	13 21.59	+ 7 44.6	2.058	2.925	12.1	20.2
5 21	13 16.32	+ 6 47.1	2.154	2.941	14.5	20.4

224405 2005 UP_{312} 4 17.0 76°.01 0°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.85	−11 16.7	1.727	2.554	15.0	20.6
3 22	14 2.07	−10 59.2	1.660	2.568	11.4	20.4
4 1	13 55.00	−10 30.7	1.616	2.581	7.2	20.1
4 11	13 46.42	− 9 54.7	1.597	2.595	2.7	19.9
4 21	13 37.33	− 9 16.0	1.606	2.608	2.0	19.8
5 1	13 28.82	− 8 40.1	1.642	2.622	6.5	20.2
5 11	13 21.84	− 8 12.3	1.703	2.635	10.5	20.4
5 21	13 16.99	− 7 55.9	1.787	2.649	14.0	20.7

331775 2003 ES_{39} 4 17.0 37°.98 10°.8/ 9.3 16

3 12	14 6.02	+12 13.4	1.346	2.203	16.8	19.7
3 22	14 1.75	+13 39.7	1.310	2.218	13.8	19.5
4 1	13 54.85	+14 53.3	1.295	2.235	11.5	19.4
4 11	13 46.33	+15 43.5	1.303	2.252	10.8	19.4
4 21	13 37.44	+16 3.1	1.334	2.269	12.1	19.5
5 1	13 29.42	+15 49.4	1.386	2.288	14.5	19.7
5 11	13 23.30	+15 4.4	1.459	2.307	17.2	19.9
5 21	13 19.61	+13 53.5	1.548	2.326	19.6	20.2

430978 2005 WP_{115} 4 17.0 163°.31 12°.1/ 5.1 17

3 12	14 8.38	+22 31.2	1.872	2.685	14.6	20.1
3 22	14 3.13	+23 57.1	1.826	2.685	13.1	20.0
4 1	13 55.61	+25 5.8	1.802	2.685	12.2	20.0
4 11	13 46.63	+25 48.3	1.801	2.686	12.3	20.0
4 21	13 37.21	+25 59.0	1.822	2.686	13.3	20.0
5 1	13 28.42	+25 35.9	1.865	2.686	15.0	20.1
5 11	13 21.19	+24 41.2	1.927	2.686	16.8	20.3
5 21	13 16.09	+23 19.9	2.006	2.686	18.6	20.4

16345 2391 T-3 4 17.0 195°.33 0°.4/17.4 18

3 12	14 4.15	−13 29.8	2.358	3.168	12.1	19.9
3 22	13 59.61	−13 11.1	2.270	3.166	9.3	19.7
4 1	13 53.29	−12 42.0	2.205	3.165	6.0	19.5
4 11	13 45.76	−12 5.0	2.167	3.163	2.4	19.2
4 21	13 37.75	−11 23.4	2.158	3.161	1.4	19.2
5 1	13 30.04	−10 41.5	2.178	3.158	5.1	19.4
5 11	13 23.38	−10 4.0	2.225	3.156	8.5	19.6
5 21	13 18.32	− 9 34.4	2.297	3.153	11.5	19.8

456237 2006 MM_6 4 17.0 317°.16 8°.9/21.6 17

3 12	14 3.28	−26 37.9	1.262	2.066	20.9	20.4
3 22	14 1.30	−27 45.2	1.155	2.030	17.9	20.1
4 1	13 55.78	−28 30.8	1.065	1.995	14.4	19.7
4 11	13 47.18	−28 48.2	0.994	1.960	10.8	19.4
4 21	13 36.59	−28 32.9	0.944	1.926	8.9	19.2
5 1	13 25.78	−27 46.0	0.915	1.893	10.6	19.2
5 11	13 16.73	−26 36.0	0.908	1.861	14.8	19.3
5 21	13 10.97	−25 15.7	0.919	1.830	19.6	19.4

475003 2005 TO_{160} 4 17.0 232°.04 1°.0/18.2 16

3 12	14 2.41	−16 11.5	2.781	3.576	10.8	22.0
3 22	13 58.10	−15 52.8	2.679	3.566	8.4	21.8
4 1	13 52.26	−15 23.4	2.603	3.556	5.6	21.6
4 11	13 45.36	−14 45.1	2.553	3.546	2.6	21.4
4 21	13 38.01	−14 0.5	2.533	3.536	1.4	21.2
5 1	13 30.87	−13 13.5	2.543	3.525	4.3	21.4
5 11	13 24.59	−12 28.3	2.581	3.514	7.4	21.6
5 21	13 19.65	−11 48.6	2.644	3.502	10.1	21.8

178917 2001 QP_4 4 17.0 219°.91 2°.1/15.1 17

3 12	14 4.82	− 8 1.1	1.860	2.695	13.8	20.2
3 22	14 0.53	− 7 9.8	1.777	2.690	10.5	20.0
4 1	13 54.06	− 6 8.4	1.717	2.686	6.6	19.7
4 11	13 46.10	− 5 1.9	1.684	2.681	2.8	19.5
4 21	13 37.53	− 3 56.7	1.678	2.676	3.4	19.5
5 1	13 29.34	− 2 59.5	1.700	2.670	7.4	19.7
5 11	13 22.47	− 2 15.9	1.748	2.664	11.3	19.9
5 21	13 17.55	− 1 49.1	1.817	2.658	14.7	20.1

273954 2007 JV_{41} 4 17.0 72°.19 0°.7/16.5 17

3 12	14 6.56	− 9 50.8	1.802	2.631	14.4	20.7
3 22	14 1.85	− 9 37.4	1.728	2.637	11.0	20.5
4 1	13 54.89	− 9 14.8	1.676	2.642	7.0	20.2
4 11	13 46.40	− 8 46.2	1.650	2.648	2.6	20.0
4 21	13 37.34	− 8 16.0	1.651	2.653	2.2	20.0
5 1	13 28.76	− 7 49.1	1.680	2.659	6.5	20.2
5 11	13 21.61	− 7 30.2	1.735	2.664	10.5	20.5
5 21	13 16.51	− 7 22.4	1.812	2.670	14.0	20.7

501892 2014 WZ_{427} 4 17.0 306°.71 8°.2/23.3 18

3 12	14 6.58	−31 4.2	1.782	2.530	17.7	20.1
3 22	14 2.62	−31 57.9	1.686	2.518	15.3	19.9
4 1	13 55.85	−32 29.5	1.608	2.507	12.5	19.7
4 11	13 46.93	−32 34.9	1.552	2.496	9.8	19.5
4 21	13 36.92	−32 12.6	1.520	2.485	8.3	19.4
5 1	13 27.15	−31 25.1	1.512	2.474	8.9	19.4
5 11	13 18.95	−30 19.8	1.529	2.464	11.3	19.5
5 21	13 13.25	−29 6.1	1.569	2.454	14.4	19.6

152871 1999 YC_{22} 4 17.0 119°.76 3°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.31	− 6 0.7	1.401	2.247	16.9	20.5
3 22	14 4.42	− 5 17.5	1.337	2.255	12.8	20.2
4 1	13 56.73	− 4 25.3	1.293	2.263	8.1	20.0
4 11	13 47.14	− 3 30.7	1.274	2.270	3.8	19.8
4 21	13 36.88	− 2 41.2	1.281	2.277	4.5	19.8
5 1	13 27.32	− 2 4.0	1.314	2.284	9.0	20.1
5 11	13 19.62	− 1 44.2	1.371	2.291	13.5	20.4
5 21	13 14.50	− 1 43.8	1.447	2.297	17.4	20.6

156985 2003 KE_{10} 4 17.0 291°.67 4°.1/21.0 18

3 12	14 2.27	−25 34.2	1.840	2.620	16.1	19.2
3 22	13 59.00	−25 6.5	1.732	2.600	13.2	18.9
4 1	13 53.33	−24 13.4	1.644	2.580	9.8	18.7
4 11	13 45.90	−22 55.0	1.581	2.559	6.2	18.4
4 21	13 37.63	−21 14.6	1.543	2.538	4.1	18.2
5 1	13 29.64	−19 19.6	1.534	2.518	6.3	18.3
5 11	13 23.01	−17 20.4	1.550	2.498	10.2	18.5
5 21	13 18.50	−15 27.2	1.591	2.477	14.1	18.7

239403 2007 TX_{41} 4 17.0 283°.73 1°.5/15.6 17

3 12	14 2.60	− 9 19.0	1.978	2.810	13.2	21.0
3 22	13 58.82	− 8 34.7	1.884	2.796	10.0	20.8
4 1	13 53.00	− 7 39.6	1.814	2.782	6.3	20.5
4 11	13 45.71	− 6 38.0	1.770	2.767	2.5	20.2
4 21	13 37.78	− 5 35.4	1.754	2.753	2.8	20.2
5 1	13 30.13	− 4 38.2	1.765	2.738	6.8	20.4
5 11	13 23.64	− 3 52.0	1.802	2.724	10.7	20.6
5 21	13 18.96	− 3 20.6	1.862	2.710	14.1	20.8

429222 2009 YQ_{11} 4 17.0 21°.92 1°.8/18.4 17

3 12	14 4.46	−15 59.0	1.579	2.404	16.4	20.5
3 22	14 0.63	−16 3.5	1.507	2.409	12.8	20.3
4 1	13 54.29	−15 52.7	1.456	2.416	8.5	20.0
4 11	13 46.22	−15 28.3	1.429	2.423	4.1	19.8
4 21	13 37.48	−14 54.2	1.428	2.430	2.2	19.7
5 1	13 29.27	−14 16.0	1.453	2.438	6.4	19.9
5 11	13 22.66	−13 40.4	1.502	2.447	10.7	20.2
5 21	13 18.33	−13 12.8	1.573	2.456	14.5	20.5

465037 2006 QH_{23} 4 17.0 159°.36 1°.7/15.4 16

3 12	14 7.83	− 7 36.8	2.217	3.037	12.4	22.6
3 22	14 2.35	− 6 56.9	2.140	3.045	9.3	22.4
4 1	13 55.00	− 6 9.7	2.088	3.053	5.9	22.2
4 11	13 46.41	− 5 19.3	2.063	3.060	2.4	22.0
4 21	13 37.38	− 4 30.4	2.068	3.066	2.8	22.0
5 1	13 28.78	− 3 47.8	2.103	3.071	6.3	22.2
5 11	13 21.38	− 3 15.8	2.164	3.075	9.7	22.5
5 21	13 15.72	− 2 56.6	2.249	3.079	12.6	22.7

263102 2007 TZ_{268} 4 17.0 51°.12 1°.2/16.2 18

3 12	14 5.97	−10 26.5	1.326	2.173	17.6	20.3
3 22	14 1.98	− 9 52.4	1.266	2.185	13.3	20.1
4 1	13 55.21	− 9 4.5	1.227	2.197	8.4	19.8
4 11	13 46.57	− 8 8.6	1.211	2.209	3.1	19.6
4 21	13 37.31	− 7 11.8	1.220	2.222	2.9	19.6
5 1	13 28.79	− 6 22.2	1.255	2.235	8.1	19.9
5 11	13 22.15	− 5 46.6	1.313	2.248	12.8	20.2
5 21	13 18.08	− 5 28.5	1.391	2.261	16.8	20.5

96934 1999 TC_{132} 4 17.0 283°.10 2°.1/18.3 18

3 12	14 8.30	−15 43.1	1.565	2.384	16.7	19.9
3 22	14 3.94	−15 58.5	1.470	2.369	13.2	19.6
4 1	13 56.70	−15 59.4	1.395	2.353	9.0	19.3
4 11	13 47.28	−15 46.4	1.345	2.338	4.4	19.0
4 21	13 36.74	−15 21.9	1.320	2.322	2.5	18.8
5 1	13 26.44	−14 50.8	1.322	2.306	7.0	19.0
5 11	13 17.73	−14 19.9	1.348	2.291	11.8	19.3
5 21	13 11.54	−13 55.7	1.396	2.275	16.2	19.5

409869 2006 SD_{231} 4 17.0 141°.90 0°.6/17.6 16

3 12	14 7.05	−15 8.5	1.997	2.805	14.0	22.3
3 22	14 2.01	−14 37.8	1.920	2.815	10.8	22.1
4 1	13 54.89	−13 53.2	1.866	2.825	7.0	21.9
4 11	13 46.40	−12 57.8	1.839	2.834	2.9	21.7
4 21	13 37.42	−11 56.3	1.840	2.843	1.6	21.6
5 1	13 28.92	−10 54.7	1.870	2.851	5.7	21.9
5 11	13 21.77	− 9 59.2	1.927	2.859	9.5	22.1
5 21	13 16.55	− 9 14.4	2.008	2.866	12.8	22.4

352050 2006 VH_{146} 4 17.0 151°.87 0°.1/17.1 18

3 12	14 1.49	−13 52.3	2.599	3.407	11.1	21.2
3 22	13 57.40	−13 10.2	2.514	3.412	8.5	21.1
4 1	13 51.79	−12 17.5	2.455	3.416	5.4	20.9
4 11	13 45.18	−11 17.1	2.423	3.419	2.1	20.6
4 21	13 38.21	−10 13.2	2.420	3.423	1.4	20.6
5 1	13 31.56	− 9 10.6	2.447	3.426	4.7	20.8
5 11	13 25.84	− 8 13.9	2.502	3.429	7.8	21.0
5 21	13 21.52	− 7 26.7	2.582	3.432	10.6	21.2

406434 2007 TQ_{245} 4 17.0 178°.74 2°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.30	− 4 54.3	2.001	2.828	13.3	21.7
3 22	14 3.71	− 4 15.8	1.922	2.831	10.0	21.5
4 1	13 55.99	− 3 31.4	1.866	2.832	6.4	21.3
4 11	13 46.83	− 2 45.9	1.839	2.833	3.1	21.1
4 21	13 37.12	− 2 4.5	1.839	2.833	3.8	21.1
5 1	13 27.85	− 1 32.2	1.869	2.832	7.4	21.4
5 11	13 19.89	− 1 13.0	1.924	2.830	11.0	21.6
5 21	13 13.88	− 1 8.6	2.002	2.828	14.1	21.8

348817 2006 RE_{16} 4 17.0 147°.31 4°.7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.86	−29 23.2	3.024	3.741	11.7	22.0
3 22	14 1.43	−29 45.9	2.933	3.751	9.9	21.8
4 1	13 54.36	−29 53.7	2.866	3.761	7.8	21.7
4 11	13 46.18	−29 45.9	2.824	3.770	5.8	21.6
4 21	13 37.56	−29 23.1	2.810	3.778	4.7	21.5
5 1	13 29.23	−28 47.9	2.825	3.786	5.3	21.6
5 11	13 21.87	−28 4.2	2.868	3.794	7.0	21.7
5 21	13 15.97	−27 16.7	2.937	3.801	9.1	21.8

438402 2006 UU_{200} 4 17.0 247°.32 2°.0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.44	−19 46.1	2.476	3.263	12.2	21.3
3 22	13 58.37	−19 25.0	2.375	3.253	9.7	21.1
4 1	13 52.55	−18 49.5	2.296	3.243	6.7	20.9
4 11	13 45.53	−18 0.8	2.245	3.232	3.6	20.6
4 21	13 37.99	−17 2.2	2.222	3.222	2.1	20.5
5 1	13 30.70	−15 58.1	2.228	3.211	4.7	20.7
5 11	13 24.39	−14 54.2	2.261	3.200	8.0	20.9
5 21	13 19.61	−13 55.5	2.320	3.188	11.0	21.0

160519 1995 CS_{3} 4 17.0 259°.95 0°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.86	−15 7.4	1.899	2.707	14.7	20.9
3 22	14 3.97	−14 44.3	1.785	2.680	11.5	20.6
4 1	13 56.56	−14 5.5	1.693	2.652	7.6	20.3
4 11	13 47.22	−13 12.8	1.627	2.623	3.3	20.0
4 21	13 36.82	−12 10.2	1.590	2.593	1.8	19.8
5 1	13 26.53	−11 3.8	1.580	2.562	6.5	20.0
5 11	13 17.49	−10 1.3	1.598	2.530	11.1	20.2
5 21	13 10.55	− 9 9.2	1.638	2.497	15.2	20.4

127174 2002 GZ_{155} 4 17.0 131°.86 3°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.45	+ 0 13.6	2.114	2.946	12.5	20.2
3 22	14 2.86	+ 0 43.9	2.046	2.955	9.5	20.0
4 1	13 55.33	+ 1 14.7	2.002	2.964	6.4	19.9
4 11	13 46.56	+ 1 41.4	1.986	2.973	4.1	19.7
4 21	13 37.37	+ 1 59.7	1.998	2.981	4.9	19.8
5 1	13 28.65	+ 2 5.9	2.038	2.989	7.7	20.0
5 11	13 21.21	+ 1 58.3	2.104	2.997	10.8	20.2
5 21	13 15.57	+ 1 36.5	2.193	3.004	13.5	20.4

430532 2002 CX_{232} 4 17.0 93°.16 8°.9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.30	+11 10.1	1.858	2.702	13.4	20.9
3 22	13 59.92	+12 59.8	1.814	2.715	11.0	20.8
4 1	13 53.52	+14 41.8	1.795	2.728	9.3	20.7
4 11	13 45.87	+16 6.5	1.802	2.741	9.0	20.7
4 21	13 37.85	+17 6.9	1.833	2.754	10.3	20.8
5 1	13 30.40	+17 39.0	1.889	2.767	12.4	20.9
5 11	13 24.33	+17 42.4	1.966	2.779	14.7	21.1
5 21	13 20.16	+17 19.9	2.061	2.791	16.8	21.3

319687 2006 TL_{94} 4 17.0 313°.81 2°.1/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.44	− 8 25.7	1.426	2.277	16.4	20.3
3 22	14 0.24	− 7 47.8	1.341	2.263	12.5	20.1
4 1	13 54.30	− 6 57.1	1.277	2.249	7.9	19.8
4 11	13 46.34	− 5 59.2	1.237	2.235	3.2	19.4
4 21	13 37.45	− 5 1.2	1.222	2.221	3.7	19.4
5 1	13 28.93	− 4 11.3	1.232	2.208	8.7	19.7
5 11	13 22.01	− 3 36.6	1.265	2.196	13.5	19.9
5 21	13 17.53	− 3 21.2	1.318	2.184	17.8	20.1

178128 2006 TL_{43} 4 17.0 104°.04 0°.0/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.24	−12 28.9	2.505	3.316	11.4	21.4
3 22	13 58.72	−12 4.5	2.431	3.329	8.7	21.2
4 1	13 52.63	−11 31.2	2.381	3.342	5.5	21.1
4 11	13 45.52	−10 51.5	2.358	3.355	2.1	20.8
4 21	13 38.07	−10 9.2	2.364	3.367	1.4	20.8
5 1	13 30.99	− 9 28.2	2.400	3.379	4.8	21.1
5 11	13 24.92	− 8 52.5	2.464	3.391	7.9	21.3
5 21	13 20.31	− 8 25.1	2.552	3.403	10.7	21.5

229103 2004 RC_{32} 4 17.0 196°.41 2°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.39	− 7 1.2	2.004	2.838	13.0	20.6
3 22	14 0.03	− 6 11.2	1.924	2.836	9.8	20.4
4 1	13 53.68	− 5 12.8	1.867	2.835	6.2	20.2
4 11	13 45.99	− 4 11.1	1.837	2.833	2.8	20.0
4 21	13 37.76	− 3 11.7	1.835	2.831	3.4	20.0
5 1	13 29.91	− 2 20.7	1.862	2.829	7.1	20.2
5 11	13 23.29	− 1 42.7	1.914	2.826	10.7	20.4
5 21	13 18.46	− 1 20.4	1.988	2.823	13.9	20.6

51365 2000 TA_{42} 4 17.0 301°.70 1°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.41	−18 36.9	4.320	5.088	7.7	17.9
3 22	13 56.85	−18 55.1	4.218	5.084	6.1	17.7
4 1	13 51.26	−19 6.8	4.141	5.080	4.3	17.6
4 11	13 44.99	−19 12.3	4.094	5.076	2.5	17.5
4 21	13 38.41	−19 12.5	4.076	5.072	1.7	17.4
5 1	13 31.95	−19 8.6	4.090	5.069	3.0	17.5
5 11	13 26.03	−19 2.6	4.132	5.065	4.9	17.6
5 21	13 20.97	−18 56.5	4.202	5.061	6.7	17.7

7403 Choustník 4 17.0 83°.56 4°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.54	+ 0 16.7	1.912	2.751	13.3	18.4
3 22	14 2.14	+ 1 16.2	1.866	2.779	10.1	18.2
4 1	13 54.81	+ 2 16.4	1.844	2.806	6.8	18.1
4 11	13 46.33	+ 3 10.7	1.849	2.834	4.7	18.0
4 21	13 37.60	+ 3 53.6	1.882	2.860	5.7	18.1
5 1	13 29.52	+ 4 20.7	1.942	2.887	8.5	18.3
5 11	13 22.86	+ 4 29.9	2.027	2.913	11.5	18.6
5 21	13 18.10	+ 4 21.6	2.134	2.938	14.1	18.8

503793 2017 BK_{4} 4 17.0 357°.97 21°.7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.64	+27 40.3	0.951	1.805	22.4	19.8
3 22	13 59.87	+31 33.7	0.934	1.802	21.7	19.8
4 1	13 54.39	+34 47.9	0.935	1.801	22.2	19.8
4 11	13 46.38	+37 3.2	0.952	1.800	23.5	19.9
4 21	13 37.55	+38 9.8	0.983	1.800	25.4	20.0
5 1	13 29.74	+38 7.5	1.025	1.801	27.4	20.2
5 11	13 24.45	+37 4.5	1.076	1.802	29.2	20.3
5 21	13 22.36	+35 12.7	1.135	1.804	30.8	20.5

417548 2006 UW_{44} 4 17.0 60°.98 3°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.12	− 3 0.2	1.470	2.310	16.5	21.2
3 22	14 6.92	− 2 55.4	1.421	2.336	12.5	21.0
4 1	13 58.09	− 2 47.7	1.394	2.361	7.9	20.8
4 11	13 47.62	− 2 41.9	1.392	2.387	3.8	20.7
4 21	13 36.77	− 2 42.3	1.417	2.413	4.3	20.8
5 1	13 26.82	− 2 52.4	1.469	2.438	8.3	21.0
5 11	13 18.82	− 3 14.3	1.545	2.464	12.3	21.3
5 21	13 13.35	− 3 48.3	1.642	2.489	15.8	21.6

353487 2011 SB_{64} 4 17.0 197°.55 2°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.33	−18 14.8	2.507	3.294	12.1	21.3
3 22	14 0.50	−18 24.5	2.414	3.293	9.6	21.1
4 1	13 53.89	−18 22.8	2.345	3.291	6.6	20.9
4 11	13 46.06	−18 10.3	2.303	3.290	3.6	20.7
4 21	13 37.71	−17 49.1	2.289	3.288	2.3	20.6
5 1	13 29.62	−17 22.1	2.305	3.287	4.7	20.8
5 11	13 22.55	−16 53.7	2.348	3.285	7.8	21.0
5 21	13 17.05	−16 27.7	2.416	3.283	10.7	21.2

200597 2001 RA_{77} 4 17.0 157°.09 2°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.17	− 6 29.9	2.000	2.823	13.5	20.8
3 22	14 4.30	− 5 46.4	1.926	2.833	10.1	20.6
4 1	13 56.33	− 4 55.6	1.877	2.842	6.4	20.4
4 11	13 46.98	− 4 2.4	1.855	2.850	2.9	20.2
4 21	13 37.15	− 3 12.3	1.862	2.857	3.4	20.3
5 1	13 27.81	− 2 30.5	1.898	2.864	7.1	20.5
5 11	13 19.86	− 2 1.4	1.961	2.869	10.7	20.7
5 21	13 13.86	− 1 47.0	2.046	2.873	13.8	20.9

153567 2001 SV_{163} 4 17.0 105°.04 2°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.26	−16 43.7	1.949	2.745	14.8	20.2
3 22	14 5.28	−17 1.7	1.878	2.762	11.5	20.0
4 1	13 57.02	−17 6.9	1.829	2.780	7.8	19.8
4 11	13 47.26	−16 59.9	1.806	2.796	4.0	19.6
4 21	13 36.97	−16 43.0	1.812	2.812	2.4	19.5
5 1	13 27.21	−16 20.3	1.846	2.828	5.6	19.7
5 11	13 18.95	−15 56.9	1.907	2.844	9.3	20.0
5 21	13 12.81	−15 37.4	1.993	2.859	12.6	20.2

289843 2005 LS_{35} 4 17.0 250°.57 9°.1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.99	+19 26.9	2.466	3.275	11.7	21.0
3 22	14 1.70	+20 32.6	2.398	3.261	10.2	20.9
4 1	13 54.62	+21 27.3	2.354	3.248	9.2	20.8
4 11	13 46.33	+22 4.3	2.335	3.234	9.2	20.8
4 21	13 37.58	+22 18.9	2.341	3.220	10.2	20.8
5 1	13 29.19	+22 8.4	2.371	3.206	11.8	20.9
5 11	13 21.91	+21 33.4	2.424	3.191	13.6	21.0
5 21	13 16.26	+20 36.2	2.495	3.176	15.3	21.1

106716 2000 WN_{174} 4 17.1 135°.89 4°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.43	+ 2 14.6	2.598	3.432	10.4	19.8
3 22	13 58.78	+ 2 59.0	2.529	3.438	7.9	19.7
4 1	13 52.64	+ 3 43.1	2.486	3.444	5.5	19.5
4 11	13 45.55	+ 4 22.3	2.470	3.450	4.1	19.4
4 21	13 38.12	+ 4 52.7	2.484	3.456	5.0	19.5
5 1	13 31.04	+ 5 11.0	2.525	3.462	7.2	19.6
5 11	13 24.91	+ 5 15.3	2.592	3.467	9.7	19.8
5 21	13 20.17	+ 5 5.4	2.682	3.472	11.9	20.0

258737 2002 GW_{132} 4 17.1 327°.36 0°.5/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.82	−15 3.9	1.416	2.252	17.3	20.8
3 22	14 0.50	−14 30.1	1.337	2.247	13.4	20.6
4 1	13 54.43	−13 36.8	1.278	2.243	8.8	20.3
4 11	13 46.40	−12 27.9	1.243	2.239	3.6	20.0
4 21	13 37.53	−11 10.1	1.233	2.236	2.0	19.8
5 1	13 29.16	− 9 52.6	1.248	2.233	7.4	20.2
5 11	13 22.49	− 8 44.7	1.288	2.230	12.3	20.4
5 21	13 18.31	− 7 53.1	1.348	2.227	16.7	20.7

133206 2003 QD_{66} 4 17.1 246°.21 2°.4/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.85	− 8 6.7	1.720	2.556	14.7	20.5
3 22	14 1.61	− 7 9.9	1.630	2.544	11.2	20.3
4 1	13 54.96	− 6 1.1	1.562	2.531	7.1	20.0
4 11	13 46.58	− 4 45.7	1.521	2.518	3.1	19.7
4 21	13 37.40	− 3 31.0	1.507	2.504	3.8	19.7
5 1	13 28.57	− 2 24.8	1.520	2.489	8.1	20.0
5 11	13 21.12	− 1 34.0	1.558	2.475	12.4	20.2
5 21	13 15.82	− 1 2.3	1.618	2.460	16.2	20.4

381153 2007 GR_{21} 4 17.1 205°.56 1°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.86	− 7 45.8	1.994	2.821	13.3	21.2
3 22	14 1.96	− 7 27.5	1.911	2.820	10.1	21.0
4 1	13 54.97	− 7 2.0	1.851	2.818	6.4	20.8
4 11	13 46.52	− 6 32.7	1.818	2.816	2.5	20.5
4 21	13 37.48	− 6 3.9	1.814	2.813	2.6	20.5
5 1	13 28.82	− 5 40.1	1.837	2.811	6.5	20.8
5 11	13 21.42	− 5 25.4	1.886	2.808	10.3	21.0
5 21	13 15.91	− 5 22.1	1.959	2.805	13.6	21.2

380089 2013 SG_{52} 4 17.1 177°.61 5°.0/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.51	+ 2 49.2	2.107	2.942	12.4	21.3
3 22	14 2.24	+ 3 33.2	2.035	2.944	9.6	21.1
4 1	13 55.02	+ 4 16.5	1.986	2.944	6.7	20.9
4 11	13 46.51	+ 4 53.5	1.965	2.945	5.0	20.8
4 21	13 37.52	+ 5 19.2	1.972	2.945	6.0	20.9
5 1	13 28.95	+ 5 29.8	2.006	2.945	8.6	21.0
5 11	13 21.61	+ 5 23.3	2.066	2.945	11.6	21.2
5 21	13 16.07	+ 4 59.9	2.147	2.944	14.3	21.4

483021 2014 WD_{202} 4 17.1 296°.80 0°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.60	− 7 3.4	4.170	4.984	7.2	21.1
3 22	13 54.74	− 6 55.2	4.072	4.974	5.4	21.0
4 1	13 49.93	− 6 44.0	4.000	4.965	3.4	20.8
4 11	13 44.51	− 6 31.4	3.958	4.955	1.3	20.6
4 21	13 38.82	− 6 19.3	3.946	4.945	1.4	20.6
5 1	13 33.26	− 6 9.3	3.965	4.936	3.5	20.8
5 11	13 28.22	− 6 3.3	4.012	4.926	5.5	20.9
5 21	13 23.99	− 6 2.4	4.085	4.917	7.4	21.0

504536 2008 SF_{48} 4 17.1 232°.26 2°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.13	−19 51.8	2.310	3.089	13.2	22.0
3 22	14 2.92	−20 5.9	2.206	3.078	10.6	21.8
4 1	13 55.62	−20 6.8	2.125	3.066	7.5	21.6
4 11	13 46.81	−19 54.5	2.070	3.054	4.4	21.4
4 21	13 37.27	−19 30.4	2.044	3.041	2.9	21.3
5 1	13 27.94	−18 57.9	2.047	3.028	5.3	21.4
5 11	13 19.72	−18 21.8	2.078	3.014	8.7	21.6
5 21	13 13.28	−17 47.4	2.133	3.000	11.8	21.7

41954 2000 XX_{20} 4 17.1 218°.70 3°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.70	−20 29.2	1.839	2.628	15.8	20.2
3 22	14 4.60	−20 42.0	1.744	2.622	12.7	20.0
4 1	13 56.92	−20 37.8	1.671	2.614	9.0	19.7
4 11	13 47.36	−20 16.4	1.622	2.606	5.3	19.5
4 21	13 36.91	−19 39.7	1.601	2.598	3.5	19.3
5 1	13 26.78	−18 52.5	1.607	2.589	6.3	19.5
5 11	13 18.12	−18 1.6	1.639	2.580	10.3	19.7
5 21	13 11.71	−17 14.0	1.695	2.570	14.0	19.9

424183 2007 JD_{8} 4 17.1 276°.44 1°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.68	− 8 46.0	1.903	2.733	13.8	21.7
3 22	14 1.30	− 8 25.3	1.810	2.720	10.5	21.4
4 1	13 54.69	− 7 55.9	1.740	2.707	6.7	21.2
4 11	13 46.47	− 7 20.9	1.696	2.693	2.6	20.9
4 21	13 37.52	− 6 45.1	1.679	2.679	2.5	20.8
5 1	13 28.84	− 6 13.5	1.690	2.666	6.8	21.1
5 11	13 21.41	− 5 51.1	1.726	2.652	10.8	21.3
5 21	13 15.94	− 5 41.1	1.785	2.638	14.4	21.5

129818 1999 NE_{28} 4 17.1 252°.33 2°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.51	− 5 15.9	1.875	2.707	13.9	20.3
3 22	14 3.55	− 4 35.7	1.776	2.687	10.6	20.1
4 1	13 56.20	− 3 47.8	1.700	2.666	6.8	19.8
4 11	13 47.09	− 2 56.9	1.650	2.645	3.3	19.5
4 21	13 37.11	− 2 8.9	1.629	2.623	4.1	19.5
5 1	13 27.34	− 1 29.9	1.635	2.600	8.1	19.7
5 11	13 18.86	− 1 5.1	1.667	2.577	12.2	19.9
5 21	13 12.42	− 0 57.2	1.721	2.552	15.8	20.1

391734 2008 CT_{189} 4 17.1 314°.00 8°.3/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 0.87	+12 52.0	2.210	3.049	11.8	20.1
3 22	13 57.25	+14 26.2	2.146	3.041	9.8	19.9
4 1	13 51.88	+15 53.9	2.107	3.032	8.5	19.8
4 11	13 45.33	+17 7.4	2.093	3.024	8.4	19.8
4 21	13 38.32	+18 0.4	2.105	3.016	9.6	19.8
5 1	13 31.64	+18 28.8	2.141	3.009	11.6	20.0
5 11	13 26.04	+18 31.5	2.199	3.001	13.7	20.1
5 21	13 22.02	+18 10.1	2.274	2.994	15.7	20.2

372473 2009 SB_{184} 4 17.1 230°.43 2°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.93	−18 20.4	2.101	2.895	13.9	21.7
3 22	14 2.14	−18 15.2	2.002	2.885	11.0	21.5
4 1	13 55.18	−17 55.4	1.925	2.874	7.6	21.3
4 11	13 46.66	−17 21.8	1.874	2.863	3.9	21.0
4 21	13 37.42	−16 37.2	1.851	2.852	2.3	20.9
5 1	13 28.44	−15 46.5	1.857	2.840	5.5	21.1
5 11	13 20.68	−14 55.5	1.890	2.828	9.3	21.3
5 21	13 14.81	−14 10.0	1.947	2.815	12.8	21.4

429119 2009 SS_{265} 4 17.1 219°.95 0°.8/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.14	−14 55.6	2.307	3.107	12.6	22.7
3 22	14 2.06	−14 40.4	2.207	3.097	9.8	22.5
4 1	13 55.01	−14 13.4	2.130	3.087	6.5	22.3
4 11	13 46.57	−13 36.6	2.081	3.076	2.8	22.0
4 21	13 37.50	−12 53.0	2.061	3.064	1.5	21.9
5 1	13 28.68	−12 7.2	2.070	3.051	5.2	22.1
5 11	13 20.95	−11 24.2	2.107	3.038	8.9	22.3
5 21	13 14.92	−10 48.5	2.168	3.024	12.1	22.5

198267 2004 TV_{263} 4 17.1 260°.43 1°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.69	−16 28.9	1.947	2.756	14.3	20.7
3 22	14 0.53	−16 14.3	1.855	2.749	11.2	20.4
4 1	13 54.18	−15 45.0	1.784	2.741	7.5	20.2
4 11	13 46.28	−15 2.8	1.740	2.733	3.5	19.9
4 21	13 37.69	−14 11.5	1.723	2.725	1.8	19.8
5 1	13 29.42	−13 16.6	1.733	2.717	5.7	20.0
5 11	13 22.43	−12 24.6	1.770	2.709	9.8	20.2
5 21	13 17.37	−11 40.8	1.831	2.701	13.3	20.4

322295 2011 FG_{59} 4 17.1 343°.24 0°.4/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.48	−14 20.4	1.777	2.601	14.9	20.8
3 22	13 59.70	−13 53.0	1.695	2.599	11.4	20.5
4 1	13 53.66	−13 10.9	1.634	2.597	7.4	20.3
4 11	13 46.07	−12 17.3	1.599	2.596	3.0	20.0
4 21	13 37.84	−11 17.3	1.591	2.595	1.7	19.9
5 1	13 30.03	−10 17.5	1.611	2.593	6.2	20.2
5 11	13 23.59	− 9 24.6	1.655	2.593	10.4	20.4
5 21	13 19.17	− 8 43.7	1.723	2.592	14.1	20.7

164327 2005 AO_{49} 4 17.1 34°.71 2°.4/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.93	−19 18.2	1.914	2.715	14.8	20.0
3 22	13 59.93	−19 8.9	1.831	2.718	11.7	19.8
4 1	13 53.76	−18 42.9	1.770	2.720	8.1	19.6
4 11	13 46.09	−18 1.7	1.734	2.722	4.3	19.4
4 21	13 37.83	−17 8.9	1.724	2.725	2.5	19.2
5 1	13 29.98	−16 10.1	1.743	2.727	5.6	19.4
5 11	13 23.46	−15 12.2	1.787	2.730	9.4	19.7
5 21	13 18.90	−14 20.9	1.855	2.733	12.8	19.9

302268 2001 XM_{151} 4 17.1 196°.03 2°.9/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.62	− 4 55.3	1.916	2.745	13.7	22.3
3 22	14 4.13	− 4 10.7	1.833	2.743	10.4	22.1
4 1	13 56.40	− 3 19.4	1.773	2.739	6.7	21.8
4 11	13 47.11	− 2 26.4	1.741	2.735	3.4	21.6
4 21	13 37.17	− 1 37.7	1.737	2.730	4.1	21.7
5 1	13 27.65	− 0 59.0	1.761	2.724	7.8	21.9
5 11	13 19.48	− 0 34.6	1.811	2.717	11.6	22.1
5 21	13 13.33	− 0 26.6	1.884	2.709	14.9	22.3

276622 2003 UA_{135} 4 17.1 295°.85 0°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.07	−16 25.6	1.858	2.675	14.6	20.6
3 22	13 58.81	−15 34.8	1.745	2.646	11.4	20.3
4 1	13 53.26	−14 24.1	1.655	2.616	7.5	20.0
4 11	13 46.00	−12 56.3	1.590	2.586	3.2	19.7
4 21	13 37.86	−11 16.9	1.553	2.556	1.7	19.5
5 1	13 29.88	− 9 34.3	1.544	2.526	6.5	19.7
5 11	13 23.10	− 7 57.8	1.560	2.496	11.1	19.9
5 21	13 18.29	− 6 35.2	1.600	2.466	15.2	20.1

235980 2005 EA_{272} 4 17.1 158°.66 3°.7/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.03	− 1 14.5	2.235	3.071	11.7	20.3
3 22	13 59.53	− 0 22.6	2.161	3.074	8.9	20.1
4 1	13 53.27	+ 0 32.2	2.113	3.077	5.9	19.9
4 11	13 45.86	+ 1 24.6	2.092	3.080	3.8	19.8
4 21	13 38.03	+ 2 9.4	2.099	3.082	4.7	19.9
5 1	13 30.58	+ 2 42.3	2.134	3.084	7.5	20.0
5 11	13 24.22	+ 3 0.1	2.195	3.086	10.5	20.2
5 21	13 19.47	+ 3 2.1	2.278	3.088	13.2	20.4

310190 2011 SV_{106} 4 17.1 205°.54 2°.9/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.33	−22 15.2	2.652	3.422	12.0	20.9
3 22	13 58.96	−22 11.0	2.555	3.419	9.6	20.7
4 1	13 52.92	−21 52.8	2.481	3.416	6.9	20.6
4 11	13 45.74	−21 21.3	2.434	3.413	4.2	20.4
4 21	13 38.09	−20 38.6	2.415	3.410	2.9	20.3
5 1	13 30.70	−19 48.3	2.425	3.406	4.6	20.4
5 11	13 24.26	−18 55.3	2.463	3.402	7.4	20.6
5 21	13 19.30	−18 4.4	2.527	3.398	10.1	20.7

7949 1992 SU 4 17.1 95°.83 3°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.39	− 2 42.4	2.345	3.179	11.3	17.6
3 22	13 58.81	− 1 17.8	2.291	3.204	8.5	17.4
4 1	13 52.67	+ 0 10.3	2.263	3.228	5.6	17.3
4 11	13 45.58	+ 1 35.9	2.264	3.251	3.7	17.2
4 21	13 38.25	+ 2 52.9	2.294	3.274	4.7	17.3
5 1	13 31.38	+ 3 56.3	2.353	3.297	7.3	17.5
5 11	13 25.60	+ 4 42.9	2.438	3.319	10.0	17.7
5 21	13 21.33	+ 5 11.6	2.546	3.341	12.3	17.9

55318 2001 SR_{71} 4 17.1 3°.30 3°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.65	− 6 24.1	1.111	1.978	18.8	18.0
3 22	14 1.62	− 5 53.7	1.047	1.977	14.3	17.7
4 1	13 55.38	− 5 12.6	1.002	1.976	9.1	17.4
4 11	13 46.84	− 4 27.9	0.980	1.977	4.0	17.1
4 21	13 37.39	− 3 47.7	0.980	1.978	4.7	17.1
5 1	13 28.62	− 3 20.2	1.003	1.981	9.9	17.4
5 11	13 21.93	− 3 11.4	1.048	1.984	15.1	17.7
5 21	13 18.16	− 3 23.4	1.110	1.988	19.5	18.0

391334 2006 UW_{18} 4 17.1 112°.76 1°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.42	−16 14.0	2.546	3.342	11.7	22.4
3 22	13 59.67	−16 4.9	2.468	3.354	9.1	22.2
4 1	13 53.30	−15 45.1	2.413	3.366	6.0	22.0
4 11	13 45.86	−15 16.3	2.386	3.378	2.8	21.8
4 21	13 38.05	−14 41.2	2.387	3.389	1.5	21.7
5 1	13 30.59	−14 3.7	2.418	3.401	4.5	22.0
5 11	13 24.16	−13 27.8	2.477	3.412	7.6	22.2
5 21	13 19.22	−12 57.3	2.561	3.423	10.3	22.4

365504 2010 RF_{63} 4 17.1 210°.05 1°.2/16.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.99	−10 50.3	1.874	2.700	14.1	21.8
3 22	14 1.50	−10 1.4	1.787	2.695	10.7	21.6
4 1	13 54.78	− 8 59.8	1.724	2.690	6.8	21.3
4 11	13 46.53	− 7 50.1	1.687	2.684	2.6	21.1
4 21	13 37.63	− 6 38.2	1.677	2.678	2.6	21.0
5 1	13 29.10	− 5 31.2	1.697	2.671	6.9	21.3
5 11	13 21.91	− 4 35.6	1.742	2.664	10.9	21.5
5 21	13 16.70	− 3 55.6	1.809	2.657	14.5	21.7

222516 2001 TX_{102} 4 17.1 177°.46 3°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.11	−20 49.2	2.289	3.057	13.7	21.6
3 22	14 5.92	−21 20.4	2.196	3.060	11.0	21.4
4 1	13 57.53	−21 38.5	2.126	3.061	7.9	21.2
4 11	13 47.59	−21 42.8	2.083	3.062	4.9	21.0
4 21	13 36.95	−21 33.9	2.069	3.062	3.5	20.9
5 1	13 26.62	−21 14.8	2.085	3.062	5.5	21.1
5 11	13 17.52	−20 50.0	2.128	3.061	8.7	21.3
5 21	13 10.35	−20 24.6	2.196	3.060	11.7	21.5

55529 2001 VC_{88} 4 17.1 6°.35 5°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.83	+ 2 45.9	1.943	2.789	12.8	18.7
3 22	13 59.64	+ 3 32.7	1.874	2.789	9.9	18.5
4 1	13 53.47	+ 4 18.9	1.829	2.790	7.0	18.4
4 11	13 45.98	+ 4 58.3	1.810	2.791	5.3	18.3
4 21	13 38.02	+ 5 25.6	1.818	2.792	6.3	18.3
5 1	13 30.49	+ 5 36.5	1.853	2.794	9.1	18.5
5 11	13 24.20	+ 5 29.2	1.911	2.796	12.1	18.7
5 21	13 19.73	+ 5 3.8	1.990	2.798	14.8	18.9

297762 2001 XB_{132} 4 17.1 222°.04 3°.8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.56	+ 2 5.6	2.840	3.667	9.8	21.5
3 22	13 59.65	+ 2 46.1	2.751	3.657	7.5	21.4
4 1	13 53.26	+ 3 26.8	2.689	3.647	5.2	21.2
4 11	13 45.88	+ 4 3.6	2.655	3.636	3.9	21.1
4 21	13 38.08	+ 4 32.8	2.651	3.624	4.6	21.1
5 1	13 30.52	+ 4 51.1	2.675	3.612	6.8	21.2
5 11	13 23.80	+ 4 56.4	2.727	3.600	9.3	21.4
5 21	13 18.38	+ 4 48.2	2.801	3.587	11.6	21.5

93415 2000 SW_{301} 4 17.1 219°.56 2°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.36	−16 54.1	2.130	2.926	13.7	20.1
3 22	14 3.19	−17 3.6	2.035	2.920	10.8	19.8
4 1	13 55.85	−17 0.9	1.963	2.913	7.4	19.6
4 11	13 46.96	−16 46.6	1.916	2.907	3.7	19.4
4 21	13 37.36	−16 22.8	1.898	2.899	2.2	19.3
5 1	13 28.04	−15 53.3	1.909	2.892	5.4	19.5
5 11	13 19.94	−15 23.2	1.947	2.884	9.1	19.7
5 21	13 13.72	−14 57.1	2.009	2.876	12.5	19.9

312092 2007 TR_{108} 4 17.1 147°.35 1°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.21	−15 46.3	1.980	2.783	14.3	22.1
3 22	14 3.73	−15 23.6	1.903	2.794	11.1	21.9
4 1	13 56.09	−14 46.7	1.848	2.804	7.3	21.7
4 11	13 47.00	−13 58.3	1.820	2.814	3.2	21.5
4 21	13 37.39	−13 2.6	1.820	2.823	1.7	21.4
5 1	13 28.29	−12 5.5	1.850	2.831	5.7	21.7
5 11	13 20.58	−11 13.1	1.906	2.839	9.5	21.9
5 21	13 14.88	−10 30.3	1.986	2.845	12.9	22.1

268115 Williamalbrecht 4 17.1 232°.98 6°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.12	−25 0.3	2.181	2.922	15.1	20.2
3 22	14 11.03	−26 20.1	2.076	2.913	12.6	20.0
4 1	14 1.17	−27 27.2	1.993	2.904	9.8	19.8
4 11	13 49.14	−28 17.6	1.937	2.894	7.2	19.6
4 21	13 35.92	−28 48.6	1.910	2.884	6.0	19.5
5 1	13 22.74	−29 0.4	1.912	2.873	7.4	19.5
5 11	13 10.89	−28 57.1	1.942	2.862	10.1	19.7
5 21	13 1.29	−28 44.5	1.997	2.851	13.1	19.8

496447 2014 PC 4 17.1 233°.18 4°.3/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.62	− 2 19.9	1.821	2.658	14.0	22.1
3 22	14 3.62	− 1 20.3	1.731	2.645	10.7	21.9
4 1	13 56.24	− 0 14.3	1.665	2.630	7.1	21.6
4 11	13 47.15	+ 0 51.4	1.626	2.615	4.4	21.4
4 21	13 37.28	+ 1 49.8	1.614	2.599	5.5	21.5
5 1	13 27.72	+ 2 34.1	1.630	2.583	9.1	21.6
5 11	13 19.51	+ 2 59.7	1.670	2.565	13.0	21.8
5 21	13 13.39	+ 3 4.8	1.731	2.547	16.4	22.0

477940 2011 QF_{88} 4 17.1 237°.14 0°.3/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.87	−11 18.5	2.651	3.461	10.9	22.7
3 22	13 59.33	−10 54.9	2.549	3.448	8.3	22.5
4 1	13 53.18	−10 22.8	2.473	3.435	5.3	22.3
4 11	13 45.90	− 9 44.9	2.425	3.422	2.0	22.0
4 21	13 38.11	− 9 4.2	2.406	3.408	1.5	22.0
5 1	13 30.53	− 8 24.7	2.417	3.394	4.9	22.2
5 11	13 23.83	− 7 50.4	2.455	3.379	8.1	22.4
5 21	13 18.53	− 7 24.3	2.518	3.364	11.0	22.5

163202 2002 EN_{40} 4 17.1 95°.35 1°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.30	− 9 58.5	1.535	2.372	16.1	20.1
3 22	14 2.63	− 8 58.4	1.475	2.389	12.1	19.9
4 1	13 55.50	− 7 45.6	1.437	2.406	7.6	19.6
4 11	13 46.79	− 6 26.4	1.425	2.423	3.0	19.4
4 21	13 37.60	− 5 9.0	1.440	2.439	3.3	19.5
5 1	13 29.12	− 4 1.4	1.482	2.456	7.8	19.8
5 11	13 22.33	− 3 10.0	1.548	2.471	12.0	20.0
5 21	13 17.84	− 2 38.0	1.636	2.487	15.6	20.3

50239 2000 BW_{3} 4 17.1 280°.61 4°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.33	− 3 8.9	1.640	2.488	14.7	17.9
3 22	14 1.32	− 2 15.5	1.557	2.476	11.2	17.6
4 1	13 54.85	− 1 15.3	1.496	2.465	7.4	17.4
4 11	13 46.63	− 0 14.9	1.461	2.453	4.3	17.2
4 21	13 37.64	+ 0 38.3	1.452	2.441	5.4	17.2
5 1	13 29.01	+ 1 17.4	1.469	2.430	9.3	17.4
5 11	13 21.83	+ 1 37.5	1.510	2.418	13.3	17.6
5 21	13 16.83	+ 1 37.0	1.571	2.406	16.9	17.8

6182 Katygord 4 17.1 226°.01 2°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.40	−20 9.0	1.914	2.702	15.3	18.6
3 22	14 4.33	−20 2.8	1.812	2.690	12.2	18.4
4 1	13 56.78	−19 39.0	1.732	2.678	8.6	18.1
4 11	13 47.40	−18 57.7	1.678	2.664	4.8	17.9
4 21	13 37.14	−18 1.9	1.651	2.650	2.9	17.7
5 1	13 27.15	−16 57.0	1.652	2.635	6.1	17.9
5 11	13 18.53	−15 50.5	1.680	2.619	10.2	18.1
5 21	13 12.08	−14 49.7	1.732	2.603	14.0	18.3

381471 2008 RN_{137} 4 17.1 222°.42 2°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.83	−20 44.7	2.359	3.139	13.0	21.8
3 22	14 1.11	−20 37.3	2.258	3.130	10.4	21.6
4 1	13 54.46	−20 15.0	2.179	3.120	7.4	21.4
4 11	13 46.43	−19 38.5	2.126	3.110	4.2	21.2
4 21	13 37.78	−18 50.1	2.102	3.100	2.7	21.1
5 1	13 29.39	−17 54.1	2.107	3.089	5.0	21.2
5 11	13 22.09	−16 56.4	2.139	3.078	8.3	21.4
5 21	13 16.47	−16 2.3	2.197	3.066	11.5	21.5

371094 2005 UD_{463} 4 17.1 76°.99 2°.1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.15	− 7 43.8	1.731	2.570	14.5	21.6
3 22	14 0.91	− 7 2.4	1.659	2.574	11.0	21.3
4 1	13 54.41	− 6 11.9	1.610	2.579	6.9	21.1
4 11	13 46.40	− 5 17.3	1.587	2.584	2.9	20.9
4 21	13 37.84	− 4 24.7	1.591	2.589	3.3	20.9
5 1	13 29.76	− 3 40.5	1.621	2.593	7.4	21.2
5 11	13 23.12	− 3 9.5	1.677	2.598	11.4	21.4
5 21	13 18.53	− 2 54.7	1.754	2.603	14.8	21.6

237710 2001 UW_{184} 4 17.1 277°.09 2°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 57.87	+ 0 12.4	4.433	5.258	6.6	19.9
3 22	13 54.15	+ 0 31.6	4.346	5.253	5.0	19.8
4 1	13 49.57	+ 0 51.0	4.287	5.247	3.3	19.7
4 11	13 44.44	+ 1 8.6	4.256	5.242	2.2	19.6
4 21	13 39.10	+ 1 22.4	4.255	5.236	2.6	19.6
5 1	13 33.90	+ 1 30.7	4.284	5.231	4.2	19.7
5 11	13 29.18	+ 1 32.4	4.341	5.225	5.9	19.8
5 21	13 25.22	+ 1 26.6	4.423	5.220	7.4	20.0

350153 2011 SH_{114} 4 17.1 225°.85 5°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.23	+ 6 13.4	2.729	3.559	10.1	21.5
3 22	13 59.47	+ 7 5.1	2.648	3.550	7.9	21.3
4 1	13 53.19	+ 7 54.8	2.591	3.539	6.0	21.2
4 11	13 45.89	+ 8 37.5	2.563	3.529	5.1	21.1
4 21	13 38.18	+ 9 9.0	2.563	3.518	6.0	21.1
5 1	13 30.72	+ 9 26.1	2.591	3.506	8.0	21.3
5 11	13 24.15	+ 9 26.9	2.645	3.495	10.3	21.4
5 21	13 18.92	+ 9 11.7	2.720	3.483	12.4	21.5

35904 1999 JJ_{89} 4 17.1 99°.46 3°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.29	− 5 12.8	1.513	2.358	15.9	18.8
3 22	14 3.44	− 4 18.1	1.454	2.372	12.0	18.6
4 1	13 56.06	− 3 15.9	1.417	2.385	7.6	18.4
4 11	13 47.04	− 2 12.9	1.404	2.399	3.9	18.2
4 21	13 37.49	− 1 16.8	1.419	2.412	4.8	18.3
5 1	13 28.64	− 0 34.3	1.460	2.425	8.8	18.5
5 11	13 21.52	− 0 10.1	1.524	2.437	12.8	18.8
5 21	13 16.73	− 0 5.6	1.610	2.450	16.3	19.1

416894 2005 QB_{150} 4 17.1 92°.67 2°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.96	−17 23.3	1.927	2.720	15.0	21.3
3 22	14 5.81	−17 40.7	1.861	2.744	11.7	21.2
4 1	13 57.41	−17 44.6	1.818	2.767	8.0	21.0
4 11	13 47.53	−17 35.6	1.802	2.790	4.2	20.8
4 21	13 37.18	−17 16.2	1.813	2.813	2.5	20.7
5 1	13 27.43	−16 50.6	1.853	2.835	5.6	21.0
5 11	13 19.24	−16 24.1	1.920	2.857	9.2	21.2
5 21	13 13.18	−16 1.4	2.011	2.878	12.5	21.5

160242 2002 MX_{1} 4 17.1 167°.35 10°.8/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.29	+27 10.5	2.531	3.313	12.2	20.1
3 22	14 1.89	+28 39.1	2.494	3.316	11.2	20.1
4 1	13 54.73	+29 51.4	2.479	3.320	10.8	20.1
4 11	13 46.47	+30 40.5	2.488	3.323	11.1	20.1
4 21	13 37.86	+31 2.6	2.520	3.325	11.9	20.1
5 1	13 29.74	+30 56.1	2.573	3.327	13.1	20.2
5 11	13 22.82	+30 22.5	2.645	3.329	14.4	20.3
5 21	13 17.58	+29 25.5	2.733	3.330	15.6	20.4

110445 2001 TG_{37} 4 17.1 205°.14 0°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.49	−15 2.6	2.406	3.203	12.3	20.7
3 22	14 2.25	−14 48.5	2.309	3.197	9.5	20.5
4 1	13 55.12	−14 23.1	2.235	3.190	6.3	20.3
4 11	13 46.69	−13 48.2	2.189	3.183	2.8	20.0
4 21	13 37.68	−13 6.9	2.172	3.175	1.5	19.9
5 1	13 28.94	−12 23.4	2.185	3.166	5.0	20.1
5 11	13 21.26	−11 42.5	2.226	3.157	8.5	20.3
5 21	13 15.23	−11 8.2	2.292	3.147	11.6	20.5

94634 2001 WQ_{14} 4 17.1 8°.95 5°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.57	− 0 51.6	1.266	2.128	17.3	19.0
3 22	14 2.71	+ 0 3.7	1.202	2.128	13.2	18.7
4 1	13 55.92	+ 1 3.1	1.160	2.129	8.9	18.5
4 11	13 47.08	+ 1 57.9	1.141	2.130	5.8	18.3
4 21	13 37.47	+ 2 39.2	1.145	2.132	7.1	18.4
5 1	13 28.52	+ 2 59.9	1.174	2.134	11.2	18.6
5 11	13 21.48	+ 2 56.4	1.224	2.136	15.5	18.8
5 21	13 17.10	+ 2 29.3	1.293	2.139	19.3	19.1

510568 2012 QF_{10} 4 17.1 204°.31 3°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.12	+10 5.9	4.602	5.428	6.3	21.3
3 22	13 52.83	+10 50.8	4.533	5.426	5.1	21.2
4 1	13 48.74	+11 32.5	4.491	5.425	4.1	21.1
4 11	13 44.14	+12 8.5	4.478	5.423	3.9	21.1
4 21	13 39.36	+12 36.3	4.493	5.422	4.5	21.1
5 1	13 34.73	+12 54.4	4.536	5.420	5.6	21.2
5 11	13 30.57	+13 1.9	4.604	5.418	6.9	21.3
5 21	13 27.13	+12 58.5	4.694	5.417	8.1	21.4

404309 2013 EJ_{123} 4 17.1 315°.33 1°.6/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.66	−10 19.7	1.267	2.121	17.8	20.8
3 22	14 0.79	− 9 41.9	1.185	2.108	13.7	20.5
4 1	13 54.91	− 8 47.7	1.124	2.095	8.7	20.2
4 11	13 46.79	− 7 42.6	1.085	2.083	3.4	19.8
4 21	13 37.61	− 6 34.4	1.070	2.072	3.3	19.8
5 1	13 28.85	− 5 32.9	1.080	2.060	8.9	20.0
5 11	13 21.90	− 4 46.8	1.112	2.050	14.2	20.3
5 21	13 17.65	− 4 21.5	1.163	2.040	18.9	20.5

518531 2006 SH_{416} 4 17.1 228°.69 0°.9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.45	− 8 30.1	2.335	3.155	11.9	21.7
3 22	14 0.67	− 8 19.3	2.248	3.153	9.0	21.5
4 1	13 54.10	− 8 2.2	2.186	3.150	5.7	21.2
4 11	13 46.30	− 7 41.4	2.150	3.147	2.2	21.0
4 21	13 37.98	− 7 20.1	2.144	3.145	2.0	21.0
5 1	13 29.97	− 7 1.9	2.166	3.142	5.5	21.2
5 11	13 23.01	− 6 50.3	2.216	3.139	8.9	21.4
5 21	13 17.65	− 6 47.4	2.289	3.136	11.9	21.6

321042 2008 QY_{27} 4 17.1 212°.81 3°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.24	− 0 45.2	2.257	3.091	11.7	21.0
3 22	14 0.54	+ 0 9.0	2.174	3.085	8.9	20.8
4 1	13 54.02	+ 1 6.2	2.116	3.079	6.0	20.6
4 11	13 46.27	+ 2 1.1	2.086	3.072	4.0	20.5
4 21	13 38.01	+ 2 48.4	2.084	3.065	5.0	20.5
5 1	13 30.07	+ 3 23.4	2.111	3.058	7.8	20.7
5 11	13 23.20	+ 3 42.8	2.163	3.049	10.8	20.9
5 21	13 17.96	+ 3 45.6	2.237	3.041	13.5	21.0

18408 1993 FP_{30} 4 17.1 276°.84 1°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.99	−16 32.5	2.263	3.068	12.7	18.7
3 22	13 58.20	−16 3.2	2.168	3.061	9.9	18.5
4 1	13 52.60	−15 20.1	2.097	3.054	6.6	18.2
4 11	13 45.74	−14 25.6	2.052	3.046	3.0	18.0
4 21	13 38.34	−13 23.6	2.036	3.039	1.5	17.9
5 1	13 31.23	−12 19.4	2.048	3.031	5.1	18.1
5 11	13 25.17	−11 18.8	2.087	3.024	8.6	18.3
5 21	13 20.73	−10 26.6	2.150	3.016	11.8	18.5

423486 2005 TQ_{38} 4 17.1 135°.02 1°.2/15.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.25	−10 1.3	2.184	3.002	12.6	22.9
3 22	14 1.24	− 9 15.8	2.111	3.016	9.5	22.7
4 1	13 54.41	− 8 20.9	2.064	3.028	6.0	22.5
4 11	13 46.39	− 7 20.9	2.043	3.041	2.3	22.3
4 21	13 37.97	− 6 20.8	2.052	3.052	2.3	22.3
5 1	13 30.01	− 5 26.0	2.090	3.063	5.9	22.6
5 11	13 23.25	− 4 41.2	2.155	3.074	9.4	22.8
5 21	13 18.21	− 4 9.3	2.244	3.083	12.3	23.0

483577 2004 ES_{33} 4 17.1 296°.51 13°.2/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.62	−26 48.4	1.095	1.881	24.4	20.9
3 22	14 17.35	−29 41.0	1.014	1.872	21.2	20.6
4 1	14 6.98	−32 20.6	0.950	1.864	17.5	20.4
4 11	13 52.00	−34 33.3	0.907	1.855	14.4	20.1
4 21	13 34.04	−36 5.3	0.886	1.847	13.2	20.0
5 1	13 15.85	−36 50.0	0.886	1.839	14.8	20.1
5 11	13 0.41	−36 53.9	0.907	1.831	18.3	20.2
5 21	12 49.73	−36 31.7	0.946	1.823	22.2	20.5

114635 2003 EW_{26} 4 17.1 314°.42 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.80	−12 10.9	2.135	2.956	12.8	19.5
3 22	13 58.90	−11 52.8	2.045	2.948	9.8	19.2
4 1	13 53.09	−11 24.4	1.977	2.940	6.3	19.0
4 11	13 45.95	−10 48.3	1.936	2.933	2.4	18.7
4 21	13 38.23	−10 8.4	1.923	2.925	1.6	18.7
5 1	13 30.79	− 9 29.3	1.937	2.918	5.6	18.9
5 11	13 24.45	− 8 55.9	1.978	2.911	9.3	19.1
5 21	13 19.80	− 8 31.9	2.043	2.904	12.5	19.3

53273 1999 FZ_{24} 4 17.1 281°.31 3°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.49	− 3 23.8	2.155	2.996	12.0	18.2
3 22	13 57.80	− 2 16.1	2.073	2.989	9.0	18.0
4 1	13 52.32	− 1 2.4	2.015	2.982	5.9	17.8
4 11	13 45.63	+ 0 11.5	1.985	2.975	3.6	17.6
4 21	13 38.44	+ 1 19.4	1.983	2.969	4.7	17.7
5 1	13 31.57	+ 2 15.5	2.009	2.962	7.7	17.8
5 11	13 25.75	+ 2 55.6	2.059	2.955	10.9	18.0
5 21	13 21.53	+ 3 17.6	2.132	2.948	13.7	18.2

371164 2005 YS_{24} 4 17.1 101°.12 2°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.10	− 4 42.6	1.914	2.750	13.4	21.2
3 22	14 1.34	− 3 57.3	1.849	2.762	10.1	21.0
4 1	13 54.55	− 3 6.5	1.808	2.775	6.4	20.8
4 11	13 46.47	− 2 15.5	1.793	2.787	3.3	20.6
4 21	13 37.95	− 1 29.8	1.806	2.799	4.0	20.7
5 1	13 29.94	− 0 54.6	1.847	2.810	7.4	20.9
5 11	13 23.28	− 0 33.7	1.913	2.822	10.9	21.1
5 21	13 18.50	− 0 28.4	2.002	2.833	13.9	21.4

166762 2002 UE_{31} 4 17.1 194°.64 1°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.57	−16 31.8	2.426	3.224	12.1	20.8
3 22	13 59.24	−16 7.4	2.334	3.223	9.4	20.6
4 1	13 53.18	−15 30.4	2.267	3.221	6.3	20.4
4 11	13 45.95	−14 43.1	2.226	3.219	2.9	20.2
4 21	13 38.25	−13 48.9	2.214	3.217	1.5	20.1
5 1	13 30.84	−12 52.4	2.232	3.215	4.8	20.3
5 11	13 24.46	−11 58.8	2.277	3.212	8.1	20.5
5 21	13 19.62	−11 12.5	2.347	3.209	11.1	20.7

290617 2005 UK_{223} 4 17.1 332°.39 0°.2/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.68	−10 8.0	1.825	2.652	14.4	19.6
3 22	14 2.30	−10 31.5	1.729	2.636	11.1	19.4
4 1	13 55.53	−10 48.2	1.656	2.621	7.2	19.1
4 11	13 46.98	−10 59.5	1.609	2.606	2.9	18.8
4 21	13 37.55	−11 7.6	1.588	2.591	1.8	18.7
5 1	13 28.34	−11 15.3	1.595	2.578	6.3	19.0
5 11	13 20.42	−11 26.3	1.628	2.565	10.6	19.2
5 21	13 14.57	−11 43.5	1.683	2.553	14.3	19.4

274582 2008 TC_{6} 4 17.1 186°.48 0°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.78	−13 4.6	2.308	3.119	12.3	21.4
3 22	14 0.20	−12 34.2	2.220	3.118	9.4	21.2
4 1	13 53.81	−11 52.9	2.157	3.118	6.0	21.0
4 11	13 46.20	−11 3.5	2.120	3.117	2.3	20.8
4 21	13 38.10	−10 10.2	2.113	3.115	1.5	20.7
5 1	13 30.33	− 9 17.8	2.134	3.114	5.3	20.9
5 11	13 23.64	− 8 31.3	2.183	3.111	8.8	21.2
5 21	13 18.56	− 7 54.5	2.256	3.109	11.8	21.3

83043 2001 QT_{194} 4 17.1 129°.00 6°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.96	−33 23.4	2.523	3.225	14.2	19.4
3 22	14 3.61	−34 10.4	2.435	3.232	12.2	19.2
4 1	13 56.12	−34 39.1	2.367	3.239	10.1	19.1
4 11	13 47.14	−34 46.9	2.323	3.246	8.1	19.0
4 21	13 37.50	−34 33.5	2.304	3.253	7.0	18.9
5 1	13 28.17	−34 1.0	2.313	3.259	7.2	18.9
5 11	13 20.05	−33 14.3	2.348	3.266	8.7	19.0
5 21	13 13.81	−32 19.8	2.408	3.272	10.8	19.2

85952 1999 FW_{12} 4 17.1 317°.70 1°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.40	−10 52.2	1.476	2.323	16.1	19.0
3 22	13 58.77	−10 11.8	1.382	2.301	12.4	18.8
4 1	13 53.50	− 9 15.5	1.309	2.280	7.9	18.4
4 11	13 46.26	− 8 8.0	1.260	2.259	3.0	18.1
4 21	13 38.03	− 6 56.2	1.237	2.238	2.9	18.0
5 1	13 30.06	− 5 48.9	1.239	2.218	8.1	18.3
5 11	13 23.57	− 4 54.6	1.264	2.199	13.1	18.5
5 21	13 19.43	− 4 18.9	1.309	2.181	17.5	18.7

264599 2001 US_{60} 4 17.1 137°.19 1°.0/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.41	−15 47.3	2.164	2.965	13.4	22.2
3 22	14 2.23	−15 26.9	2.087	2.977	10.3	22.0
4 1	13 55.11	−14 53.8	2.033	2.988	6.8	21.8
4 11	13 46.70	−14 10.1	2.006	2.999	3.0	21.6
4 21	13 37.83	−13 19.9	2.007	3.010	1.5	21.5
5 1	13 29.41	−12 28.1	2.038	3.020	5.2	21.8
5 11	13 22.24	−11 40.3	2.096	3.029	8.8	22.0
5 21	13 16.87	−11 0.6	2.178	3.038	11.9	22.2

102959 1999 XX_{64} 4 17.1 149°.29 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.16	−13 17.3	1.993	2.805	13.9	21.2
3 22	14 2.95	−12 48.9	1.916	2.814	10.7	21.0
4 1	13 55.64	−12 8.2	1.862	2.823	6.9	20.8
4 11	13 46.92	−11 18.4	1.834	2.831	2.7	20.6
4 21	13 37.69	−10 24.2	1.835	2.838	1.6	20.5
5 1	13 28.92	− 9 31.2	1.865	2.845	5.9	20.8
5 11	13 21.50	− 8 45.1	1.921	2.851	9.7	21.0
5 21	13 16.02	− 8 10.0	2.002	2.856	13.0	21.2

475673 2006 VQ_{44} 4 17.1 193°.83 3°.0/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.10	− 0 39.5	2.803	3.628	10.0	21.9
3 22	14 0.07	− 0 10.2	2.720	3.626	7.6	21.7
4 1	13 53.57	+ 0 20.3	2.662	3.624	5.0	21.5
4 11	13 46.08	+ 0 48.7	2.633	3.621	3.1	21.4
4 21	13 38.21	+ 1 11.3	2.634	3.618	3.8	21.4
5 1	13 30.62	+ 1 25.3	2.664	3.614	6.2	21.6
5 11	13 23.90	+ 1 28.6	2.721	3.610	8.7	21.8
5 21	13 18.50	+ 1 20.3	2.802	3.606	11.1	21.9

353114 2009 FR_{14} 4 17.1 214°.00 6°.1/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.97	+ 7 45.5	2.325	3.159	11.4	20.2
3 22	14 0.23	+ 8 34.4	2.256	3.159	9.1	20.1
4 1	13 53.76	+ 9 19.2	2.212	3.158	7.0	19.9
4 11	13 46.17	+ 9 54.3	2.195	3.157	6.1	19.9
4 21	13 38.17	+10 15.1	2.205	3.157	7.0	19.9
5 1	13 30.55	+10 18.5	2.241	3.156	9.1	20.1
5 11	13 24.00	+10 3.4	2.302	3.155	11.5	20.2
5 21	13 19.04	+ 9 30.7	2.385	3.154	13.8	20.4

376438 2012 HO_{31} 4 17.1 214°.02 6°.0/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.30	+ 4 43.2	2.099	2.937	12.4	21.1
3 22	14 1.47	+ 5 51.5	2.023	2.931	9.7	20.9
4 1	13 54.69	+ 6 59.0	1.971	2.924	7.2	20.7
4 11	13 46.57	+ 7 58.9	1.947	2.917	6.0	20.6
4 21	13 37.91	+ 8 45.1	1.950	2.910	7.1	20.7
5 1	13 29.62	+ 9 12.6	1.979	2.902	9.7	20.8
5 11	13 22.51	+ 9 19.3	2.033	2.894	12.5	21.0
5 21	13 17.17	+ 9 5.4	2.108	2.885	15.1	21.2

506229 2016 LK_{21} 4 17.1 260°.13 1°.9/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.42	− 8 9.2	1.966	2.798	13.3	21.7
3 22	14 0.30	− 7 25.8	1.875	2.787	10.1	21.4
4 1	13 54.08	− 6 32.7	1.807	2.775	6.4	21.2
4 11	13 46.38	− 5 34.4	1.765	2.762	2.7	20.9
4 21	13 38.02	− 4 36.4	1.752	2.750	3.1	20.9
5 1	13 29.95	− 3 45.0	1.766	2.737	7.0	21.1
5 11	13 23.07	− 3 5.3	1.806	2.724	10.9	21.3
5 21	13 18.04	− 2 40.8	1.868	2.711	14.3	21.5

382431 1999 RO_{102} 4 17.1 199°.70 0°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.98	−15 53.5	2.789	3.580	10.9	22.1
3 22	14 0.10	−15 21.6	2.689	3.575	8.5	21.9
4 1	13 53.65	−14 38.5	2.615	3.569	5.6	21.7
4 11	13 46.14	−13 46.2	2.569	3.563	2.4	21.5
4 21	13 38.19	−12 48.1	2.553	3.556	1.2	21.4
5 1	13 30.49	−11 48.5	2.568	3.548	4.4	21.6
5 11	13 23.69	−10 52.0	2.611	3.540	7.5	21.8
5 21	13 18.27	−10 2.5	2.680	3.530	10.2	21.9

51936 2001 QM_{141} 4 17.1 75°.43 0°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.92	−14 16.4	2.087	2.903	13.2	19.2
3 22	13 58.90	−13 39.7	2.012	2.912	10.1	19.0
4 1	13 53.02	−12 50.3	1.960	2.921	6.5	18.8
4 11	13 45.91	−11 51.6	1.934	2.931	2.6	18.5
4 21	13 38.37	−10 48.4	1.937	2.940	1.5	18.5
5 1	13 31.25	− 9 46.6	1.968	2.949	5.4	18.8
5 11	13 25.31	− 8 51.7	2.025	2.958	9.1	19.0
5 21	13 21.10	− 8 7.9	2.107	2.968	12.2	19.2

283525 2001 TE_{120} 4 17.1 101°.99 4°.8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.37	−28 59.4	2.638	3.367	13.0	20.6
3 22	14 1.27	−29 9.6	2.561	3.388	10.8	20.5
4 1	13 54.41	−29 2.5	2.506	3.408	8.4	20.3
4 11	13 46.42	−28 38.1	2.476	3.428	6.1	20.2
4 21	13 38.05	−27 57.8	2.473	3.448	4.8	20.2
5 1	13 30.09	−27 5.1	2.499	3.467	5.4	20.2
5 11	13 23.27	−26 5.5	2.553	3.486	7.4	20.4
5 21	13 18.07	−25 4.3	2.633	3.505	9.7	20.6

301802 2011 BS_{100} 4 17.1 40°.56 1°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.11	−15 57.0	1.646	2.467	16.0	20.7
3 22	14 1.13	−15 45.0	1.572	2.472	12.4	20.5
4 1	13 54.71	−15 17.2	1.518	2.478	8.2	20.3
4 11	13 46.63	−14 35.9	1.490	2.484	3.7	20.0
4 21	13 37.91	−13 45.7	1.488	2.490	1.9	19.9
5 1	13 29.69	−12 53.1	1.512	2.497	6.2	20.2
5 11	13 23.02	−12 5.1	1.562	2.504	10.5	20.4
5 21	13 18.55	−11 27.2	1.633	2.511	14.3	20.7

385133 2013 RC_{53} 4 17.1 242°.86 4°.5/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.55	− 0 34.4	2.142	2.978	12.2	21.8
3 22	14 0.99	+ 0 34.6	2.050	2.962	9.3	21.5
4 1	13 54.46	+ 1 48.1	1.983	2.945	6.4	21.3
4 11	13 46.52	+ 3 0.1	1.943	2.927	4.5	21.2
4 21	13 37.96	+ 4 4.0	1.932	2.909	5.6	21.2
5 1	13 29.64	+ 4 53.9	1.948	2.890	8.6	21.3
5 11	13 22.42	+ 5 25.6	1.990	2.871	11.9	21.5
5 21	13 16.91	+ 5 37.7	2.053	2.851	14.8	21.7

17692 1997 CX_{27} 4 17.1 149°.69 2°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.89	− 5 17.9	2.738	3.563	10.2	19.0
3 22	13 58.41	− 4 34.8	2.662	3.570	7.6	18.8
4 1	13 52.51	− 3 47.2	2.611	3.577	4.8	18.7
4 11	13 45.68	− 2 58.7	2.589	3.583	2.4	18.5
4 21	13 38.53	− 2 13.3	2.596	3.589	2.9	18.5
5 1	13 31.68	− 1 34.7	2.633	3.595	5.6	18.7
5 11	13 25.73	− 1 6.0	2.697	3.600	8.3	18.9
5 21	13 21.08	− 0 49.0	2.785	3.605	10.7	19.1

226809 2004 RA_{222} 4 17.1 180°.60 0°.3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.19	−13 48.0	2.083	2.896	13.4	20.8
3 22	14 0.72	−13 20.1	1.998	2.897	10.3	20.6
4 1	13 54.25	−12 39.8	1.936	2.897	6.6	20.3
4 11	13 46.43	−11 50.1	1.901	2.897	2.7	20.1
4 21	13 38.06	−10 55.3	1.894	2.897	1.5	20.0
5 1	13 30.06	−10 0.9	1.915	2.896	5.6	20.3
5 11	13 23.27	− 9 12.5	1.964	2.895	9.4	20.5
5 21	13 18.26	− 8 34.4	2.036	2.894	12.7	20.7

14178 1998 VK_{30} 4 17.1 183°.68 1°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.52	− 8 9.7	2.286	3.110	12.0	18.8
3 22	13 59.99	− 7 35.3	2.203	3.110	9.0	18.6
4 1	13 53.69	− 6 53.4	2.144	3.110	5.7	18.4
4 11	13 46.19	− 6 7.8	2.113	3.110	2.3	18.1
4 21	13 38.22	− 5 22.8	2.110	3.109	2.5	18.2
5 1	13 30.59	− 4 43.0	2.137	3.108	5.9	18.4
5 11	13 24.02	− 4 12.6	2.190	3.107	9.3	18.6
5 21	13 19.05	− 3 53.9	2.266	3.105	12.2	18.8

38920 2000 SW_{218} 4 17.1 289°.91 4°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.76	− 4 17.9	1.760	2.609	13.8	18.8
3 22	13 58.44	− 2 44.5	1.678	2.599	10.5	18.6
4 1	13 52.96	− 1 1.0	1.620	2.589	6.9	18.3
4 11	13 45.98	+ 0 44.4	1.589	2.579	4.4	18.2
4 21	13 38.35	+ 2 22.8	1.585	2.570	5.8	18.2
5 1	13 31.09	+ 3 45.4	1.608	2.560	9.3	18.4
5 11	13 25.11	+ 4 46.2	1.655	2.550	13.1	18.6
5 21	13 21.06	+ 5 22.5	1.722	2.541	16.4	18.8

283588 2001 XN_{229} 4 17.1 47°.64 3°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.76	− 4 3.7	1.464	2.312	16.1	20.2
3 22	14 3.08	− 3 35.8	1.411	2.330	12.1	20.0
4 1	13 55.87	− 3 2.9	1.379	2.349	7.7	19.8
4 11	13 47.04	− 2 31.0	1.373	2.367	3.8	19.6
4 21	13 37.75	− 2 5.8	1.392	2.387	4.5	19.7
5 1	13 29.20	− 1 52.5	1.437	2.406	8.5	20.0
5 11	13 22.41	− 1 54.3	1.506	2.426	12.5	20.3
5 21	13 17.97	− 2 11.8	1.595	2.446	15.9	20.5

415800 2001 FA_{204} 4 17.1 200°.00 0°.2/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.00	−13 30.7	2.068	2.877	13.6	23.0
3 22	14 2.92	−13 5.5	1.977	2.873	10.5	22.7
4 1	13 55.71	−12 27.9	1.909	2.869	6.8	22.5
4 11	13 47.02	−11 40.6	1.868	2.864	2.7	22.2
4 21	13 37.70	−10 47.9	1.856	2.858	1.6	22.1
5 1	13 28.71	− 9 55.3	1.872	2.852	5.8	22.4
5 11	13 20.97	− 9 8.4	1.916	2.845	9.7	22.6
5 21	13 15.12	− 8 31.7	1.983	2.837	13.1	22.8

471348 2011 QU_{54} 4 17.1 273°.53 2°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.66	− 8 28.7	2.252	3.082	11.9	21.5
3 22	13 57.99	− 7 17.5	2.152	3.063	9.0	21.3
4 1	13 52.52	− 5 55.3	2.076	3.044	5.7	21.1
4 11	13 45.79	− 4 26.9	2.028	3.024	2.6	20.8
4 21	13 38.47	− 2 58.5	2.009	3.004	3.3	20.8
5 1	13 31.38	− 1 37.0	2.019	2.984	6.8	21.0
5 11	13 25.27	− 0 28.2	2.056	2.964	10.3	21.2
5 21	13 20.72	+ 0 24.0	2.116	2.944	13.4	21.3

94788 2001 XW_{126} 4 17.1 121°.64 1°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.48	−10 15.5	1.555	2.388	16.1	20.9
3 22	14 3.69	− 9 34.8	1.487	2.398	12.2	20.7
4 1	13 56.33	− 8 41.5	1.441	2.408	7.7	20.5
4 11	13 47.26	− 7 40.7	1.420	2.417	2.9	20.2
4 21	13 37.59	− 6 39.3	1.425	2.426	2.8	20.2
5 1	13 28.54	− 5 44.6	1.458	2.435	7.5	20.5
5 11	13 21.17	− 5 3.0	1.516	2.443	11.9	20.8
5 21	13 16.15	− 4 38.1	1.595	2.451	15.7	21.0

500723 2012 XS_{34} 4 17.1 127°.19 0°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.67	−11 56.8	2.677	3.486	10.9	22.9
3 22	13 59.05	−11 29.4	2.601	3.498	8.2	22.8
4 1	13 52.94	−10 53.6	2.549	3.510	5.2	22.6
4 11	13 45.87	−10 12.3	2.525	3.521	2.0	22.4
4 21	13 38.47	− 9 28.8	2.530	3.532	1.4	22.3
5 1	13 31.41	− 8 47.1	2.565	3.543	4.6	22.6
5 11	13 25.29	− 8 10.8	2.629	3.554	7.6	22.8
5 21	13 20.54	− 7 42.7	2.717	3.564	10.2	23.0

263793 2008 QE_{37} 4 17.1 70°.94 0°.8/18.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.31	−15 24.3	2.979	3.776	10.2	20.9
3 22	13 57.14	−15 10.0	2.905	3.793	7.8	20.8
4 1	13 51.67	−14 46.9	2.857	3.811	5.1	20.6
4 11	13 45.37	−14 16.8	2.836	3.829	2.3	20.4
4 21	13 38.79	−13 42.4	2.844	3.847	1.2	20.4
5 1	13 32.52	−13 6.8	2.882	3.864	3.9	20.6
5 11	13 27.08	−12 33.4	2.948	3.882	6.5	20.8
5 21	13 22.86	−12 5.0	3.040	3.899	8.9	21.0

520059 2013 WR_{111} 4 17.1 193°.39 2°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.54	− 6 11.6	2.054	2.883	12.9	21.7
3 22	14 1.73	− 5 46.2	1.973	2.883	9.8	21.5
4 1	13 54.90	− 5 14.7	1.915	2.882	6.2	21.3
4 11	13 46.69	− 4 41.0	1.885	2.881	2.7	21.1
4 21	13 37.94	− 4 9.5	1.882	2.879	3.1	21.1
5 1	13 29.55	− 3 44.8	1.908	2.878	6.7	21.3
5 11	13 22.38	− 3 30.7	1.960	2.876	10.3	21.5
5 21	13 17.02	− 3 29.0	2.034	2.874	13.4	21.7

302276 2001 XM_{192} 4 17.1 72°.85 4°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.57	−23 5.7	1.448	2.248	18.8	20.0
3 22	14 3.50	−23 15.2	1.373	2.254	15.2	19.8
4 1	13 56.49	−23 1.1	1.318	2.260	11.1	19.6
4 11	13 47.41	−22 23.0	1.285	2.266	6.9	19.3
4 21	13 37.49	−21 24.2	1.277	2.273	4.6	19.2
5 1	13 28.18	−20 12.0	1.295	2.279	7.2	19.4
5 11	13 20.75	−18 56.5	1.337	2.286	11.3	19.6
5 21	13 15.98	−17 47.0	1.400	2.292	15.4	19.9

384801 2012 QJ_{30} 4 17.1 219°.32 3°.4/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.81	−23 14.7	2.438	3.204	13.0	21.9
3 22	14 1.12	−23 15.0	2.336	3.196	10.6	21.7
4 1	13 54.52	−22 59.8	2.257	3.189	7.7	21.5
4 11	13 46.57	−22 29.1	2.204	3.180	4.9	21.3
4 21	13 38.02	−21 44.8	2.179	3.171	3.4	21.2
5 1	13 29.71	−20 50.7	2.182	3.162	5.1	21.3
5 11	13 22.47	−19 52.5	2.214	3.153	8.1	21.5
5 21	13 16.90	−18 55.7	2.270	3.142	11.0	21.7

186020 2001 QL_{180} 4 17.1 182°.13 0°.7/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.53	−10 21.3	2.446	3.256	11.7	21.6
3 22	14 2.17	− 9 53.4	2.358	3.257	8.9	21.4
4 1	13 55.05	− 9 17.2	2.295	3.258	5.6	21.2
4 11	13 46.73	− 8 35.5	2.260	3.257	2.1	21.0
4 21	13 37.94	− 7 52.2	2.255	3.256	1.8	21.0
5 1	13 29.47	− 7 11.5	2.280	3.254	5.4	21.2
5 11	13 22.05	− 6 37.6	2.332	3.252	8.7	21.4
5 21	13 16.22	− 6 13.5	2.409	3.248	11.6	21.6

138006 2000 CV_{87} 4 17.1 104°.60 8°.3/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.73	−30 57.4	1.761	2.501	18.2	20.0
3 22	14 6.58	−32 1.4	1.680	2.507	15.5	19.8
4 1	13 58.48	−32 43.1	1.617	2.513	12.6	19.6
4 11	13 48.22	−32 58.1	1.577	2.518	9.9	19.4
4 21	13 36.96	−32 45.2	1.561	2.524	8.3	19.4
5 1	13 26.14	−32 7.2	1.571	2.529	8.9	19.4
5 11	13 17.08	−31 11.6	1.605	2.535	11.2	19.5
5 21	13 10.66	−30 7.7	1.662	2.540	14.1	19.7

425833 2011 EF_{23} 4 17.1 156°.83 4°.7/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.13	−21 1.1	1.955	2.728	15.5	20.6
3 22	14 8.74	−22 5.5	1.866	2.729	12.6	20.4
4 1	13 59.69	−22 57.0	1.799	2.731	9.3	20.2
4 11	13 48.66	−23 33.2	1.758	2.732	6.1	20.0
4 21	13 36.69	−23 53.0	1.745	2.734	4.7	19.9
5 1	13 25.01	−23 58.0	1.760	2.735	6.7	20.0
5 11	13 14.81	−23 52.9	1.803	2.736	10.0	20.2
5 21	13 6.93	−23 43.2	1.869	2.737	13.2	20.4

106206 2000 UR_{29} 4 17.1 190°.94 5°.9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.77	−32 46.0	2.280	2.992	15.3	19.6
3 22	14 4.33	−32 30.9	2.178	2.991	13.0	19.4
4 1	13 56.64	−31 51.6	2.097	2.988	10.3	19.2
4 11	13 47.40	−30 46.7	2.039	2.985	7.7	19.1
4 21	13 37.54	−29 18.0	2.009	2.981	6.0	19.0
5 1	13 28.12	−27 30.9	2.008	2.976	6.5	19.0
5 11	13 20.08	−25 33.8	2.035	2.970	8.9	19.1
5 21	13 14.09	−23 36.1	2.088	2.963	11.8	19.3

433653 2014 BH_{4} 4 17.1 198°.82 1°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.86	− 8 43.7	2.278	3.101	12.0	21.5
3 22	14 0.29	− 8 14.3	2.193	3.099	9.1	21.3
4 1	13 53.92	− 7 37.2	2.131	3.097	5.8	21.1
4 11	13 46.32	− 6 55.8	2.097	3.094	2.3	20.8
4 21	13 38.22	− 6 14.2	2.092	3.092	2.3	20.8
5 1	13 30.44	− 5 37.1	2.115	3.089	5.8	21.0
5 11	13 23.73	− 5 8.4	2.166	3.086	9.2	21.2
5 21	13 18.64	− 4 50.8	2.240	3.082	12.3	21.4

397114 2005 VS_{88} 4 17.1 232°.20 3°.5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.77	− 4 7.4	1.735	2.568	14.7	21.9
3 22	14 5.48	− 3 22.6	1.643	2.555	11.3	21.6
4 1	13 57.62	− 2 30.6	1.574	2.540	7.3	21.3
4 11	13 47.87	− 1 37.0	1.532	2.525	3.9	21.1
4 21	13 37.22	− 0 48.4	1.517	2.509	4.8	21.1
5 1	13 26.88	− 0 11.4	1.530	2.492	8.8	21.3
5 11	13 17.99	+ 0 9.1	1.567	2.474	13.0	21.5
5 21	13 11.35	+ 0 10.8	1.626	2.455	16.7	21.7

343890 2011 HZ_{94} 4 17.1 228°.97 3°.4/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.96	− 2 53.2	2.083	2.919	12.5	21.3
3 22	14 0.51	− 2 9.0	2.002	2.915	9.5	21.1
4 1	13 54.12	− 1 20.3	1.945	2.911	6.2	20.8
4 11	13 46.42	− 0 32.3	1.915	2.906	3.6	20.7
4 21	13 38.17	+ 0 9.7	1.913	2.902	4.4	20.7
5 1	13 30.28	+ 0 40.9	1.939	2.897	7.6	20.9
5 11	13 23.54	+ 0 57.8	1.990	2.892	10.9	21.1
5 21	13 18.54	+ 0 58.8	2.064	2.887	13.9	21.3

471342 2011 QQ 4 17.1 210°.03 1°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.30	− 9 30.1	2.607	3.426	10.8	22.2
3 22	13 58.15	− 8 40.3	2.516	3.421	8.2	22.0
4 1	13 52.47	− 7 42.1	2.451	3.416	5.1	21.8
4 11	13 45.74	− 6 39.1	2.413	3.410	2.0	21.6
4 21	13 38.60	− 5 35.7	2.406	3.405	2.2	21.6
5 1	13 31.72	− 4 36.8	2.428	3.398	5.4	21.8
5 11	13 25.74	− 3 46.6	2.477	3.392	8.5	22.0
5 21	13 21.12	− 3 8.2	2.551	3.385	11.2	22.2

498337 2007 VQ_{238} 4 17.1 124°.56 3°.4/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.05	− 0 15.7	2.486	3.314	11.0	21.9
3 22	14 0.89	+ 0 16.6	2.418	3.326	8.3	21.7
4 1	13 54.13	+ 0 49.8	2.375	3.337	5.5	21.5
4 11	13 46.36	+ 1 19.8	2.360	3.347	3.5	21.4
4 21	13 38.24	+ 1 42.8	2.374	3.358	4.2	21.5
5 1	13 30.51	+ 1 55.7	2.417	3.368	6.7	21.7
5 11	13 23.83	+ 1 56.5	2.487	3.377	9.4	21.8
5 21	13 18.64	+ 1 44.6	2.580	3.387	11.9	22.0

372542 2009 TM_{15} 4 17.1 93°.09 2°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.84	− 8 0.4	1.794	2.632	14.1	21.8
3 22	13 59.85	− 6 52.6	1.724	2.640	10.6	21.6
4 1	13 53.75	− 5 34.4	1.679	2.648	6.7	21.3
4 11	13 46.27	− 4 12.2	1.659	2.655	3.0	21.1
4 21	13 38.30	− 2 53.2	1.668	2.663	3.7	21.2
5 1	13 30.82	− 1 44.7	1.703	2.671	7.6	21.4
5 11	13 24.71	− 0 52.3	1.764	2.678	11.3	21.7
5 21	13 20.52	− 0 18.9	1.847	2.686	14.6	21.9

496929 2001 UM_{186} 4 17.1 227°.27 0°.4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.50	−14 35.2	2.274	3.077	12.7	23.2
3 22	14 1.69	−14 5.7	2.171	3.064	9.8	23.0
4 1	13 54.92	−13 23.5	2.093	3.051	6.4	22.7
4 11	13 46.76	−12 30.9	2.042	3.037	2.7	22.4
4 21	13 37.95	−11 31.9	2.020	3.023	1.5	22.3
5 1	13 29.39	−10 31.8	2.027	3.007	5.4	22.6
5 11	13 21.90	− 9 36.2	2.062	2.991	9.1	22.8
5 21	13 16.12	− 8 49.9	2.121	2.975	12.4	22.9

291639 2006 HU_{27} 4 17.1 250°.84 4°.6/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.00	− 1 20.1	1.813	2.653	13.9	21.3
3 22	14 3.27	− 0 19.9	1.721	2.635	10.7	21.1
4 1	13 56.16	+ 0 45.9	1.652	2.616	7.2	20.8
4 11	13 47.30	+ 1 50.7	1.609	2.597	4.8	20.6
4 21	13 37.60	+ 2 47.3	1.594	2.577	5.9	20.6
5 1	13 28.17	+ 3 28.8	1.605	2.556	9.5	20.8
5 11	13 20.06	+ 3 50.7	1.641	2.535	13.3	21.0
5 21	13 14.01	+ 3 51.4	1.698	2.513	16.7	21.1

91485 1999 RF_{115} 4 17.1 170°.35 3°.4/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.63	− 1 44.5	2.528	3.357	10.8	20.6
3 22	13 59.86	− 0 42.1	2.452	3.361	8.1	20.4
4 1	13 53.52	+ 0 23.6	2.402	3.365	5.4	20.3
4 11	13 46.14	+ 1 27.6	2.381	3.368	3.5	20.2
4 21	13 38.39	+ 2 24.9	2.389	3.370	4.4	20.2
5 1	13 30.97	+ 3 11.1	2.427	3.372	7.0	20.4
5 11	13 24.52	+ 3 43.1	2.490	3.373	9.7	20.6
5 21	13 19.53	+ 3 59.5	2.577	3.374	12.1	20.7

382148 2011 MC_{3} 4 17.1 355°.03 8°.3/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.81	−33 21.6	1.848	2.583	17.6	19.7
3 22	14 1.21	−34 3.4	1.760	2.580	15.3	19.5
4 1	13 54.99	−34 20.8	1.691	2.578	12.6	19.3
4 11	13 46.87	−34 10.5	1.642	2.577	10.1	19.2
4 21	13 37.88	−33 32.1	1.617	2.576	8.4	19.1
5 1	13 29.27	−32 29.0	1.617	2.576	8.7	19.1
5 11	13 22.21	−31 9.3	1.641	2.576	10.7	19.2
5 21	13 17.51	−29 42.2	1.688	2.576	13.4	19.4

473212 2015 KT_{125} 4 17.1 103°.31 0°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.14	−13 14.5	2.206	3.023	12.6	21.4
3 22	13 58.27	−12 27.0	2.124	3.027	9.6	21.2
4 1	13 52.64	−11 27.3	2.067	3.030	6.1	21.0
4 11	13 45.83	−10 19.3	2.037	3.034	2.3	20.7
4 21	13 38.58	− 9 7.9	2.035	3.037	1.7	20.7
5 1	13 31.69	− 7 59.2	2.062	3.041	5.5	20.9
5 11	13 25.90	− 6 58.6	2.116	3.044	9.0	21.2
5 21	13 21.72	− 6 10.2	2.194	3.048	12.1	21.4

287527 2003 DV 4 17.1 21°.22 3°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.98	−18 23.0	1.199	2.032	20.0	20.3
3 22	14 2.72	−18 29.1	1.131	2.035	15.8	20.1
4 1	13 56.21	−18 13.1	1.080	2.039	10.9	19.8
4 11	13 47.38	−17 35.9	1.052	2.043	5.7	19.5
4 21	13 37.59	−16 42.3	1.046	2.048	3.2	19.4
5 1	13 28.47	−15 40.7	1.065	2.053	7.6	19.6
5 11	13 21.43	−14 41.4	1.107	2.059	12.8	19.9
5 21	13 17.32	−13 53.1	1.168	2.066	17.3	20.2

303768 2005 QL_{171} 4 17.1 211°.42 3°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.24	−22 56.6	2.678	3.442	12.0	21.4
3 22	13 59.75	−23 1.3	2.579	3.439	9.7	21.3
4 1	13 53.56	−22 52.3	2.504	3.435	7.1	21.1
4 11	13 46.20	−22 29.8	2.455	3.431	4.5	20.9
4 21	13 38.33	−21 55.5	2.434	3.427	3.2	20.8
5 1	13 30.70	−21 12.6	2.443	3.422	4.7	20.9
5 11	13 24.03	−20 25.8	2.479	3.417	7.3	21.1
5 21	13 18.83	−19 39.6	2.540	3.412	10.0	21.2

17315 1089 $T\text{-}_{1}$ 4 17.1 97°.62 3°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.06	−20 44.6	2.315	3.095	13.2	18.5
3 22	14 1.30	−20 59.9	2.230	3.100	10.6	18.4
4 1	13 54.62	−21 1.4	2.167	3.106	7.6	18.2
4 11	13 46.62	−20 49.6	2.130	3.111	4.5	18.0
4 21	13 38.08	−20 26.2	2.121	3.116	3.1	17.9
5 1	13 29.87	−19 54.6	2.140	3.122	5.1	18.0
5 11	13 22.81	−19 19.7	2.187	3.127	8.1	18.2
5 21	13 17.45	−18 46.2	2.258	3.132	11.0	18.4

429190 2009 WN_{40} 4 17.1 170°.12 4°.7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.61	+ 2 54.3	2.263	3.092	11.9	21.8
3 22	14 3.03	+ 3 34.3	2.190	3.096	9.2	21.7
4 1	13 55.60	+ 4 13.5	2.142	3.099	6.4	21.5
4 11	13 46.97	+ 4 46.6	2.122	3.101	4.8	21.4
4 21	13 37.89	+ 5 9.3	2.130	3.103	5.6	21.5
5 1	13 29.22	+ 5 17.9	2.167	3.105	8.1	21.6
5 11	13 21.72	+ 5 10.8	2.229	3.106	10.9	21.8
5 21	13 15.91	+ 4 48.1	2.314	3.106	13.5	22.0

410470 2008 CH_{202} 4 17.1 158°.32 0°.3/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.03	−13 11.3	1.995	2.805	14.0	22.3
3 22	14 3.69	−12 54.0	1.914	2.811	10.7	22.1
4 1	13 56.20	−12 25.0	1.857	2.817	6.9	21.9
4 11	13 47.24	−11 47.1	1.826	2.823	2.8	21.7
4 21	13 37.72	−11 4.1	1.824	2.827	1.6	21.6
5 1	13 28.63	−10 21.4	1.851	2.832	5.8	21.9
5 11	13 20.89	− 9 44.2	1.904	2.835	9.7	22.1
5 21	13 15.12	− 9 16.6	1.982	2.838	13.1	22.3

297544 2001 QA_{123} 4 17.1 271°.19 4°.3/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.68	− 3 59.0	1.462	2.311	16.1	21.0
3 22	14 3.60	− 3 4.1	1.372	2.293	12.4	20.7
4 1	13 56.67	− 1 59.8	1.305	2.274	8.1	20.4
4 11	13 47.59	− 0 53.2	1.261	2.254	4.6	20.2
4 21	13 37.43	+ 0 7.3	1.244	2.235	5.7	20.2
5 1	13 27.58	+ 0 53.1	1.251	2.215	10.2	20.4
5 11	13 19.32	+ 1 18.1	1.282	2.195	14.8	20.6
5 21	13 13.57	+ 1 19.5	1.332	2.175	19.0	20.8

505604 2014 DC_{92} 4 17.1 91°.87 2°.5/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.63	−19 36.7	2.330	3.116	13.0	21.9
3 22	14 0.88	−19 42.1	2.251	3.127	10.3	21.7
4 1	13 54.29	−19 34.2	2.195	3.138	7.2	21.5
4 11	13 46.48	−19 13.9	2.165	3.149	4.1	21.3
4 21	13 38.21	−18 43.4	2.162	3.161	2.6	21.3
5 1	13 30.31	−18 6.7	2.189	3.172	4.9	21.4
5 11	13 23.55	−17 28.6	2.243	3.183	8.0	21.6
5 21	13 18.47	−16 53.5	2.322	3.193	10.8	21.8

324450 2006 TR_{102} 4 17.1 50°.63 1°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.48	−19 18.3	1.355	2.179	18.6	20.6
3 22	14 0.82	−18 18.8	1.303	2.205	14.4	20.4
4 1	13 54.52	−16 55.4	1.272	2.231	9.5	20.2
4 11	13 46.57	−15 14.0	1.264	2.258	4.3	20.0
4 21	13 38.22	−13 23.7	1.282	2.285	2.0	19.9
5 1	13 30.73	−11 35.8	1.327	2.313	6.8	20.2
5 11	13 25.11	−10 0.7	1.396	2.341	11.3	20.6
5 21	13 21.90	− 8 45.1	1.487	2.369	15.2	20.9

160482 2007 AM_{5} 4 17.1 292°.39 0°.2/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.79	−12 9.3	1.685	2.514	15.3	21.2
3 22	14 1.69	−11 48.6	1.602	2.510	11.8	20.9
4 1	13 55.16	−11 15.0	1.540	2.505	7.6	20.7
4 11	13 46.91	−10 31.7	1.504	2.501	2.9	20.4
4 21	13 37.92	− 9 43.9	1.494	2.497	2.0	20.3
5 1	13 29.33	− 8 57.7	1.511	2.493	6.7	20.6
5 11	13 22.19	− 8 19.5	1.554	2.489	11.1	20.8
5 21	13 17.23	− 7 53.8	1.618	2.485	15.0	21.1

523698 2014 GD_{54} 4 17.1 2°.35 0°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 44.28	−14 27.9	34.155	34.944	1.0	22.1
3 22	13 43.58	−14 24.4	34.063	34.947	0.8	22.1
4 1	13 42.79	−14 20.2	33.997	34.950	0.5	22.1
4 11	13 41.94	−14 15.5	33.961	34.953	0.2	22.0
4 21	13 41.08	−14 10.4	33.954	34.956	0.1	22.0
5 1	13 40.22	−14 5.3	33.976	34.959	0.4	22.1
5 11	13 39.42	−14 0.2	34.027	34.962	0.6	22.1
5 21	13 38.69	−13 55.3	34.106	34.965	0.9	22.1

418014 2007 UZ_{6} 4 17.1 219°.69 0°.1/17.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.65	−13 31.3	2.012	2.822	13.9	22.5
3 22	14 3.57	−13 3.0	1.915	2.812	10.7	22.2
4 1	13 56.25	−12 21.5	1.840	2.801	7.0	22.0
4 11	13 47.33	−11 29.5	1.793	2.789	2.8	21.7
4 21	13 37.66	−10 31.4	1.774	2.776	1.7	21.6
5 1	13 28.28	− 9 33.2	1.783	2.763	6.1	21.8
5 11	13 20.16	− 8 41.1	1.820	2.749	10.2	22.0
5 21	13 13.99	− 8 0.0	1.880	2.734	13.8	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
513115 2017 WA_{27}			4 17.1 169°.32		0°.5/16.6 18	
	h m	° ′			°	m
3 12	14 4.98	− 9 47.6	2.645	3.457	10.9	21.7
3 22	14 0.14	− 9 35.7	2.559	3.459	8.2	21.5
4 1	13 53.73	− 9 17.4	2.499	3.461	5.2	21.3
4 11	13 46.26	− 8 54.8	2.466	3.463	2.0	21.1
4 21	13 38.37	− 8 30.9	2.462	3.464	1.6	21.1
5 1	13 30.76	− 8 8.9	2.488	3.465	4.8	21.3
5 11	13 24.09	− 7 52.0	2.543	3.466	7.9	21.5
5 21	13 18.83	− 7 42.6	2.621	3.467	10.6	21.7
233958 2009 YP_{21}			4 17.1 93°.34		0°.7/17.8 17	
3 12	14 6.96	−14 19.1	1.997	2.807	13.9	20.9
3 22	14 2.04	−14 6.6	1.926	2.822	10.7	20.8
4 1	13 55.09	−13 42.2	1.878	2.837	7.0	20.6
4 11	13 46.80	−13 8.4	1.857	2.852	3.0	20.3
4 21	13 38.05	−12 28.9	1.864	2.867	1.5	20.2
5 1	13 29.79	−11 48.7	1.899	2.881	5.5	20.5
5 11	13 22.86	−11 13.0	1.960	2.895	9.2	20.8
5 21	13 17.83	−10 45.6	2.046	2.909	12.4	21.0
350168 2011 TK_{16}			4 17.2 295°.01		3°.5/20.4 17	
3 12	14 5.39	−21 51.0	2.321	3.097	13.3	20.5
3 22	14 0.92	−22 11.6	2.224	3.091	10.8	20.3
4 1	13 54.47	−22 18.2	2.150	3.085	7.9	20.1
4 11	13 46.62	−22 10.7	2.101	3.079	5.0	19.9
4 21	13 38.12	−21 50.2	2.080	3.073	3.5	19.8
5 1	13 29.86	−21 20.0	2.087	3.067	5.3	19.9
5 11	13 22.68	−20 44.7	2.121	3.061	8.3	20.0
5 21	13 17.22	−20 9.5	2.180	3.056	11.3	20.2
90232 2003 BD_{27}			4 17.2 52°.82		6°.7/ 9.7 18	R
3 12	14 1.60	+ 5 7.1	1.947	2.797	12.6	19.0
3 22	13 57.90	+ 6 50.6	1.901	2.814	9.9	18.9
4 1	13 52.38	+ 8 31.7	1.880	2.832	7.5	18.8
4 11	13 45.73	+10 1.8	1.885	2.850	6.8	18.8
4 21	13 38.75	+11 14.0	1.918	2.868	8.0	18.9
5 1	13 32.28	+12 3.2	1.976	2.886	10.4	19.0
5 11	13 27.04	+12 27.7	2.056	2.904	12.9	19.2
5 21	13 23.49	+12 28.6	2.156	2.923	15.1	19.4
158281 2001 UP_{30}			4 17.2 256°.74		4°.3/14.2 17	
3 12	14 10.14	− 2 23.6	1.555	2.398	15.7	20.6
3 22	14 5.30	− 1 44.2	1.467	2.383	12.0	20.3
4 1	13 57.67	− 0 59.2	1.401	2.368	8.0	20.1
4 11	13 47.96	− 0 15.1	1.360	2.352	4.6	19.8
4 21	13 37.27	+ 0 21.3	1.345	2.336	5.6	19.8
5 1	13 26.90	+ 0 43.3	1.357	2.319	9.7	20.0
5 11	13 18.11	+ 0 46.5	1.392	2.302	14.1	20.2
5 21	13 11.76	+ 0 29.6	1.447	2.284	18.0	20.4
330364 2006 VA_{174}			4 17.2 81°.01		9°.9/ 7.1 18	
3 12	14 4.86	+12 45.4	1.733	2.577	14.2	20.1
3 22	14 0.65	+14 38.6	1.690	2.587	11.9	19.9
4 1	13 54.26	+16 22.1	1.670	2.598	10.2	19.8
4 11	13 46.49	+17 46.0	1.675	2.608	10.0	19.9
4 21	13 38.29	+18 42.6	1.705	2.619	11.4	19.9
5 1	13 30.70	+19 7.9	1.757	2.629	13.5	20.1
5 11	13 24.58	+19 2.2	1.830	2.639	15.8	20.3
5 21	13 20.47	+18 28.8	1.920	2.649	17.9	20.5
45363 2000 AF_{104}			4 17.2 25°.01		5°.1/22.5 18	
3 12	14 1.99	−28 31.5	1.752	2.522	17.2	17.9
3 22	13 58.84	−28 7.8	1.670	2.527	14.2	17.7
4 1	13 53.32	−27 17.1	1.608	2.532	10.8	17.5
4 11	13 46.19	−25 59.9	1.569	2.538	7.3	17.3
4 21	13 38.46	−24 20.3	1.555	2.544	5.2	17.2
5 1	13 31.25	−22 26.2	1.568	2.551	6.4	17.3
5 11	13 25.56	−20 28.3	1.608	2.558	9.7	17.5
5 21	13 22.02	−18 36.6	1.671	2.565	13.2	17.7
368218 2001 ST_{349}			4 17.2 136°.16		3°.2/13.8 16	
3 12	14 5.39	− 5 3.0	2.077	2.910	12.7	21.6
3 22	14 0.71	− 3 49.3	2.009	2.922	9.5	21.4
4 1	13 54.18	− 2 28.8	1.966	2.933	6.1	21.2
4 11	13 46.45	− 1 7.8	1.951	2.943	3.4	21.0
4 21	13 38.31	+ 0 7.3	1.965	2.953	4.3	21.1
5 1	13 30.64	+ 1 10.3	2.007	2.963	7.5	21.3
5 11	13 24.18	+ 1 57.0	2.075	2.972	10.7	21.5
5 21	13 19.46	+ 2 25.4	2.165	2.980	13.6	21.7
276711 2004 BS_{49}			4 17.2 81°.82		4°.9/13.3 18	
3 12	14 6.39	− 1 39.6	1.570	2.419	15.2	20.7
3 22	14 2.02	− 0 33.9	1.510	2.429	11.5	20.5
4 1	13 55.24	+ 0 36.1	1.472	2.439	7.7	20.3
4 11	13 46.90	+ 1 42.6	1.460	2.449	5.0	20.2
4 21	13 38.04	+ 2 37.8	1.475	2.459	6.1	20.3
5 1	13 29.79	+ 3 15.4	1.515	2.469	9.6	20.5
5 11	13 23.13	+ 3 31.8	1.578	2.478	13.3	20.7
5 21	13 18.68	+ 3 26.7	1.662	2.488	16.5	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
498580 2008 OG_{4}			4 17.2 200°.08		4°.3/21.8 17	
	h m	° ′			°	m
3 12	14 7.39	−26 35.3	2.543	3.286	13.1	22.0
3 22	14 2.30	−26 42.6	2.441	3.282	10.8	21.8
4 1	13 55.29	−26 33.3	2.362	3.277	8.3	21.6
4 11	13 46.93	−26 6.8	2.309	3.272	5.7	21.4
4 21	13 37.97	−25 24.5	2.283	3.266	4.3	21.3
5 1	13 29.28	−24 29.7	2.286	3.260	5.4	21.4
5 11	13 21.67	−23 28.0	2.317	3.253	7.9	21.5
5 21	13 15.74	−22 25.2	2.374	3.245	10.6	21.7
135691 2002 OS_{20}			4 17.2 170°.01		3°.1/20.1 18	
3 12	14 9.87	−21 46.4	2.318	3.086	13.5	21.0
3 22	14 4.20	−21 48.4	2.228	3.092	10.9	20.8
4 1	13 56.49	−21 35.1	2.161	3.096	7.8	20.6
4 11	13 47.39	−21 6.8	2.120	3.100	4.7	20.4
4 21	13 37.71	−20 25.7	2.107	3.103	3.1	20.3
5 1	13 28.39	−19 35.9	2.124	3.105	5.2	20.4
5 11	13 20.29	−18 43.1	2.169	3.106	8.4	20.6
5 21	13 14.02	−17 52.9	2.240	3.106	11.4	20.8
436727 2011 UB_{171}			4 17.2 242°.78		2°.4/19.9 17	
3 12	14 2.75	−20 56.9	2.404	3.187	12.7	21.4
3 22	13 58.77	−20 41.4	2.309	3.183	10.1	21.2
4 1	13 53.01	−20 10.8	2.237	3.180	7.1	21.0
4 11	13 46.04	−19 26.3	2.191	3.176	4.1	20.8
4 21	13 38.55	−18 30.8	2.174	3.172	2.5	20.7
5 1	13 31.35	−17 28.8	2.185	3.168	4.8	20.8
5 11	13 25.19	−16 26.2	2.223	3.164	7.9	21.0
5 21	13 20.60	−15 28.0	2.287	3.160	10.9	21.2
155020 2005 QC_{38}			4 17.2 127°.06		6°.2/22.3 17	
3 12	14 13.40	−28 16.6	2.133	2.869	15.5	21.2
3 22	14 7.22	−29 6.7	2.052	2.882	13.0	21.0
4 1	13 58.60	−29 38.6	1.992	2.895	10.2	20.9
4 11	13 48.25	−29 49.6	1.956	2.907	7.6	20.7
4 21	13 37.17	−29 39.6	1.948	2.919	6.2	20.7
5 1	13 26.52	−29 11.3	1.967	2.930	7.1	20.7
5 11	13 17.34	−28 30.6	2.013	2.941	9.4	20.9
5 21	13 10.36	−27 44.5	2.083	2.951	12.0	21.1
474848 2005 SX_{80}			4 17.2 252°.87		2°.2/14.3 16	
3 12	14 1.56	− 6 19.7	2.623	3.450	10.5	22.6
3 22	13 57.66	− 5 18.1	2.525	3.435	7.9	22.4
4 1	13 52.22	− 4 9.2	2.453	3.420	5.0	22.1
4 11	13 45.72	− 2 57.3	2.410	3.404	2.5	21.9
4 21	13 38.75	− 1 47.3	2.396	3.388	3.2	22.0
5 1	13 31.99	− 0 44.3	2.411	3.372	6.1	22.1
5 11	13 26.08	+ 0 7.4	2.454	3.355	9.1	22.3
5 21	13 21.50	+ 0 45.0	2.520	3.338	11.8	22.4
64443 2001 VQ_{25}			4 17.2 273°.77		5°.2/22.2 18	
3 12	14 4.30	−27 49.5	1.839	2.605	16.6	19.0
3 22	14 0.68	−27 39.1	1.741	2.595	13.9	18.8
4 1	13 54.60	−27 3.8	1.662	2.585	10.6	18.5
4 11	13 46.75	−26 2.7	1.607	2.575	7.3	18.3
4 21	13 38.11	−24 38.4	1.577	2.565	5.2	18.2
5 1	13 29.82	−22 57.2	1.575	2.555	6.6	18.2
5 11	13 22.98	−21 9.0	1.599	2.546	10.0	18.4
5 21	13 18.32	−19 23.5	1.646	2.536	13.6	18.6
122386 2000 QK_{72}			4 17.2 159°.79		1°.9/18.9 18	
3 12	14 7.03	−17 57.0	2.068	2.864	14.0	20.2
3 22	14 2.21	−17 49.9	1.983	2.868	11.0	20.0
4 1	13 55.30	−17 28.3	1.921	2.871	7.5	19.8
4 11	13 46.95	−16 53.8	1.885	2.875	3.8	19.5
4 21	13 38.01	−16 9.5	1.876	2.877	2.1	19.4
5 1	13 29.47	−15 20.3	1.896	2.880	5.4	19.6
5 11	13 22.19	−14 32.1	1.943	2.882	9.0	19.8
5 21	13 16.80	−13 50.1	2.015	2.884	12.3	20.1
481792 2008 TZ_{25}			4 17.2 140°.55		12°.8/23.8 18	
3 12	14 25.59	−34 8.0	1.353	2.079	23.3	21.2
3 22	14 18.63	−36 16.8	1.281	2.091	20.4	21.1
4 1	14 7.11	−37 59.7	1.227	2.102	17.3	20.9
4 11	13 51.90	−39 5.5	1.192	2.112	14.4	20.7
4 21	13 34.82	−39 26.9	1.180	2.121	12.8	20.6
5 1	13 18.30	−39 4.3	1.192	2.129	13.3	20.7
5 11	13 4.63	−38 8.1	1.226	2.137	15.5	20.8
5 21	12 55.16	−36 53.7	1.279	2.143	18.3	21.0
277389 2005 UX_{124}			4 17.2 189°.82		0°.8/17.9 17	
3 12	14 6.53	−15 24.6	2.276	3.077	12.8	22.4
3 22	14 1.65	−14 59.9	2.185	3.076	9.9	22.2
4 1	13 54.86	−14 22.6	2.118	3.074	6.5	22.0
4 11	13 46.77	−13 35.1	2.077	3.072	2.8	21.7
4 21	13 38.14	−12 41.0	2.066	3.069	1.4	21.6
5 1	13 29.82	−11 45.4	2.084	3.066	5.1	21.9
5 11	13 22.64	−10 53.7	2.130	3.062	8.7	22.1
5 21	13 17.15	−10 10.3	2.200	3.057	11.9	22.3

428864 2008 UQ_{130} 4 17.2 178.°59 0.°8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.09	−15 37.7	2.074	2.883	13.5	21.9
3 22	13 59.96	−15 8.4	1.988	2.884	10.5	21.7
4 1	13 53.84	−14 25.1	1.926	2.884	6.9	21.4
4 11	13 46.38	−13 30.6	1.889	2.884	3.0	21.2
4 21	13 38.38	−12 29.3	1.881	2.884	1.5	21.1
5 1	13 30.74	−11 27.0	1.901	2.884	5.4	21.3
5 11	13 24.30	−10 29.7	1.948	2.884	9.2	21.6
5 21	13 19.63	− 9 42.2	2.019	2.883	12.5	21.8

469008 2015 AW_{221} 4 17.2 246.°14 0.°4/17.5 17

3 12	14 4.50	−16 0.6	1.801	2.617	15.0	21.0
3 22	14 0.65	−15 9.6	1.707	2.607	11.6	20.8
4 1	13 54.49	−14 0.0	1.637	2.597	7.6	20.5
4 11	13 46.69	−12 35.5	1.591	2.587	3.1	20.2
4 21	13 38.17	−11 2.1	1.574	2.577	1.7	20.1
5 1	13 30.00	− 9 28.4	1.584	2.566	6.4	20.3
5 11	13 23.18	− 8 2.8	1.621	2.555	10.8	20.6
5 21	13 18.40	− 6 52.0	1.680	2.544	14.6	20.8

522904 2016 PG_{105} 4 17.2 281.°54 5.°6/11.4 16

3 12	14 4.87	+ 4 52.0	2.257	3.095	11.6	21.9
3 22	14 0.46	+ 5 46.2	2.165	3.072	9.1	21.7
4 1	13 54.16	+ 6 39.6	2.096	3.050	6.8	21.5
4 11	13 46.53	+ 7 26.5	2.055	3.027	5.6	21.4
4 21	13 38.27	+ 8 1.3	2.041	3.004	6.7	21.4
5 1	13 30.23	+ 8 19.5	2.054	2.981	9.2	21.5
5 11	13 23.20	+ 8 18.8	2.092	2.957	12.0	21.7
5 21	13 17.78	+ 7 58.8	2.150	2.934	14.7	21.8

218608 2005 OD_{1} 4 17.2 179.°08 5.°2/12.1 18

3 12	14 8.46	+ 4 1.3	2.310	3.139	11.7	21.0
3 22	14 2.92	+ 4 54.1	2.236	3.141	9.1	20.8
4 1	13 55.56	+ 5 45.8	2.189	3.142	6.6	20.7
4 11	13 47.01	+ 6 30.8	2.168	3.142	5.2	20.6
4 21	13 38.01	+ 7 4.0	2.177	3.142	6.1	20.7
5 1	13 29.40	+ 7 21.8	2.213	3.142	8.5	20.8
5 11	13 21.93	+ 7 22.2	2.275	3.140	11.2	21.0
5 21	13 16.12	+ 7 5.5	2.359	3.138	13.6	21.1

360667 2004 RD_{163} 4 17.2 131.°05 1.°3/16.1 18

3 12	14 9.43	−10 17.8	1.753	2.578	15.0	22.1
3 22	14 4.13	− 9 32.0	1.686	2.592	11.3	21.9
4 1	13 56.52	− 8 34.6	1.641	2.606	7.1	21.7
4 11	13 47.40	− 7 30.7	1.622	2.619	2.7	21.4
4 21	13 37.78	− 6 26.5	1.632	2.632	2.7	21.4
5 1	13 28.76	− 5 28.8	1.669	2.644	7.0	21.7
5 11	13 21.29	− 4 43.4	1.732	2.655	11.0	22.0
5 21	13 15.96	− 4 13.6	1.818	2.665	14.5	22.2

38327 1999 RX_{128} 4 17.2 320.°21 1.°6/16.0 18

3 12	14 1.98	−10 55.1	1.283	2.138	17.6	18.3
3 22	13 59.56	−10 9.2	1.199	2.122	13.5	18.0
4 1	13 54.22	− 9 5.4	1.135	2.107	8.6	17.7
4 11	13 46.71	− 7 49.1	1.094	2.092	3.3	17.3
4 21	13 38.14	− 6 28.8	1.077	2.078	3.3	17.3
5 1	13 29.95	− 5 15.0	1.084	2.065	8.9	17.6
5 11	13 23.48	− 4 17.2	1.114	2.052	14.2	17.8
5 21	13 19.63	− 3 41.3	1.162	2.040	18.8	18.0

153755 2001 UZ_{199} 4 17.2 229.°55 0.°3/17.8 18

3 12	13 56.30	−13 53.0	4.950	5.743	6.4	21.3
3 22	13 53.02	−13 36.1	4.849	5.737	4.9	21.1
4 1	13 48.97	−13 14.0	4.774	5.730	3.2	21.0
4 11	13 44.41	−12 48.1	4.728	5.723	1.4	20.8
4 21	13 39.64	−12 19.9	4.713	5.716	0.7	20.8
5 1	13 34.99	−11 51.2	4.728	5.709	2.5	20.9
5 11	13 30.77	−11 24.0	4.772	5.702	4.3	21.1
5 21	13 27.22	−10 59.8	4.844	5.694	6.0	21.2

162556 2000 RW_{16} 4 17.2 233.°56 3.°2/19.7 18

3 12	14 8.05	−21 0.1	1.736	2.531	16.4	20.2
3 22	14 3.61	−20 54.7	1.641	2.521	13.2	20.0
4 1	13 56.54	−20 29.4	1.566	2.512	9.4	19.7
4 11	13 47.55	−19 44.6	1.516	2.501	5.3	19.4
4 21	13 37.65	−18 43.1	1.492	2.491	3.3	19.3
5 1	13 28.07	−17 31.4	1.495	2.480	6.4	19.4
5 11	13 19.99	−16 18.0	1.524	2.468	10.6	19.6
5 21	13 14.23	−15 10.9	1.576	2.456	14.6	19.9

305450 2008 CL_{211} 4 17.2 84.°29 4.°1/12.3 17

3 12	14 1.37	− 0 23.0	2.337	3.178	11.2	20.9
3 22	13 57.54	+ 0 49.7	2.270	3.184	8.4	20.8
4 1	13 52.12	+ 2 5.1	2.228	3.190	5.8	20.6
4 11	13 45.68	+ 3 17.1	2.213	3.197	4.2	20.5
4 21	13 38.87	+ 4 20.3	2.227	3.203	5.2	20.6
5 1	13 32.42	+ 5 9.7	2.269	3.209	7.7	20.8
5 11	13 26.97	+ 5 42.3	2.336	3.215	10.4	20.9
5 21	13 22.98	+ 5 57.3	2.425	3.222	12.8	21.1

228361 2000 UQ_{22} 4 17.2 245.°21 2.°0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.18	− 6 15.4	2.368	3.189	11.7	21.6
3 22	14 2.16	− 5 39.5	2.264	3.169	8.9	21.4
4 1	13 55.25	− 4 56.9	2.184	3.149	5.7	21.1
4 11	13 46.97	− 4 11.3	2.132	3.127	2.6	20.9
4 21	13 38.03	− 3 27.0	2.109	3.105	3.1	20.9
5 1	13 29.26	− 2 48.7	2.116	3.082	6.4	21.1
5 11	13 21.48	− 2 20.7	2.150	3.058	9.9	21.2
5 21	13 15.30	− 2 5.4	2.207	3.034	13.0	21.4

248492 2005 UH_{350} 4 17.2 192.°73 0.°4/16.6 18

3 12	14 1.68	−13 44.8	2.918	3.720	10.2	20.7
3 22	13 57.55	−12 36.5	2.824	3.719	7.7	20.6
4 1	13 52.04	−11 17.1	2.756	3.717	4.9	20.4
4 11	13 45.64	− 9 50.2	2.717	3.714	1.8	20.1
4 21	13 38.90	− 8 20.3	2.710	3.711	1.5	20.1
5 1	13 32.41	− 6 52.8	2.733	3.708	4.6	20.3
5 11	13 26.75	− 5 32.6	2.786	3.704	7.5	20.5
5 21	13 22.32	− 4 23.5	2.864	3.700	10.0	20.7

30436 2000 LC_{29} 4 17.2 82.°89 0.°8/16.5 18 R

3 12	14 6.42	−11 15.4	1.779	2.606	14.7	18.1
3 22	14 1.78	−10 36.3	1.717	2.625	11.1	17.9
4 1	13 54.99	− 9 45.6	1.677	2.643	7.0	17.7
4 11	13 46.81	− 8 48.0	1.663	2.661	2.6	17.4
4 21	13 38.20	− 7 49.2	1.677	2.679	2.2	17.4
5 1	13 30.18	− 6 55.6	1.718	2.696	6.5	17.7
5 11	13 23.62	− 6 12.6	1.786	2.714	10.4	18.0
5 21	13 19.08	− 5 43.7	1.875	2.731	13.7	18.2

83916 2001 VS_{8} 4 17.2 59.°52 1.°1/18.7 18

3 12	13 59.94	−17 26.5	2.923	3.716	10.4	19.5
3 22	13 56.22	−17 1.3	2.843	3.728	8.1	19.4
4 1	13 51.19	−16 25.4	2.788	3.740	5.4	19.2
4 11	13 45.30	−15 41.1	2.761	3.752	2.6	19.1
4 21	13 39.12	−14 51.1	2.762	3.764	1.3	19.0
5 1	13 33.22	−13 59.3	2.793	3.777	3.9	19.2
5 11	13 28.15	−13 9.6	2.852	3.789	6.6	19.4
5 21	13 24.30	−12 25.5	2.937	3.802	9.0	19.5

465758 2009 WE_{71} 4 17.2 235.°15 3.°2/14.5 17

3 12	14 7.02	− 3 24.7	1.937	2.773	13.3	21.5
3 22	14 2.28	− 2 49.9	1.854	2.767	10.1	21.3
4 1	13 55.40	− 2 10.5	1.795	2.761	6.6	21.1
4 11	13 47.03	− 1 31.2	1.762	2.755	3.5	20.9
4 21	13 38.02	− 0 57.4	1.757	2.749	4.3	20.9
5 1	13 29.38	− 0 34.0	1.779	2.742	7.7	21.1
5 11	13 22.00	− 0 24.5	1.827	2.735	11.4	21.3
5 21	13 16.53	− 0 30.5	1.897	2.728	14.6	21.5

379909 2012 JF_{37} 4 17.2 284.°72 2.°6/15.0 17

3 12	14 5.19	− 6 17.4	1.741	2.582	14.4	21.3
3 22	14 1.22	− 5 36.7	1.652	2.568	10.9	21.0
4 1	13 54.91	− 4 47.2	1.585	2.553	7.0	20.8
4 11	13 46.89	− 3 54.0	1.543	2.539	3.3	20.5
4 21	13 38.09	− 3 3.2	1.529	2.525	3.9	20.5
5 1	13 29.58	− 2 21.5	1.541	2.511	8.0	20.7
5 11	13 22.42	− 1 54.1	1.578	2.497	12.1	20.9
5 21	13 17.32	− 1 43.9	1.636	2.483	15.8	21.1

335799 Zonglü 4 17.2 286.°39 5.°1/13.3 18

3 12	14 8.76	+ 2 3.6	1.861	2.700	13.7	20.6
3 22	14 3.86	+ 2 35.7	1.767	2.678	10.6	20.3
4 1	13 56.57	+ 3 7.9	1.696	2.657	7.4	20.1
4 11	13 47.55	+ 3 34.4	1.652	2.635	5.2	19.9
4 21	13 37.68	+ 3 49.7	1.634	2.614	6.2	19.9
5 1	13 28.04	+ 3 49.1	1.643	2.592	9.4	20.1
5 11	13 19.69	+ 3 30.0	1.677	2.570	13.0	20.2
5 21	13 13.38	+ 2 52.5	1.732	2.549	16.4	20.4

496309 2013 GP_{31} 4 17.2 279.°59 2.°2/18.4 17

3 12	14 10.78	−15 22.4	1.533	2.350	17.1	21.5
3 22	14 6.18	−15 47.4	1.433	2.331	13.6	21.2
4 1	13 58.52	−15 59.2	1.354	2.311	9.3	20.9
4 11	13 48.45	−15 57.6	1.299	2.292	4.6	20.6
4 21	13 37.07	−15 44.4	1.270	2.272	2.6	20.4
5 1	13 25.83	−15 23.6	1.267	2.252	7.2	20.6
5 11	13 16.18	−15 1.8	1.289	2.232	12.2	20.8
5 21	13 9.16	−14 45.4	1.333	2.212	16.8	21.0

308382 2005 SM_{2} 4 17.2 226.°70 1.°4/18.6 18

3 12	14 6.89	−16 2.2	2.899	3.683	10.7	21.9
3 22	14 1.63	−16 11.9	2.794	3.673	8.4	21.7
4 1	13 54.76	−16 13.0	2.714	3.663	5.7	21.5
4 11	13 46.75	−16 6.0	2.662	3.652	2.8	21.3
4 21	13 38.22	−15 52.7	2.639	3.641	1.6	21.2
5 1	13 29.84	−15 35.4	2.648	3.629	4.2	21.4
5 11	13 22.31	−15 17.5	2.684	3.617	7.1	21.6
5 21	13 16.13	−15 2.0	2.747	3.604	9.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310470 2000 SX_{86}			4 17.2 250°.28		1°.9/15.8 17	
	h m	° ′			°	m
3 12	14 10.45	− 7 27.5	1.824	2.650	14.4	20.9
3 22	14 5.28	− 7 2.8	1.723	2.631	11.1	20.7
4 1	13 57.57	− 6 29.4	1.645	2.611	7.1	20.4
4 11	13 47.98	− 5 51.2	1.593	2.590	3.0	20.1
4 21	13 37.42	− 5 12.9	1.569	2.568	3.1	20.0
5 1	13 27.06	− 4 40.5	1.574	2.546	7.5	20.3
5 11	13 18.02	− 4 19.1	1.604	2.523	11.9	20.5
5 21	13 11.14	− 4 12.0	1.656	2.500	15.8	20.6
7339 1991 RA_{16}			4 17.2 85°.81		2°.7/14.8 18	
3 12	14 6.19	− 5 40.5	1.826	2.664	13.9	17.6
3 22	14 1.57	− 4 55.0	1.764	2.678	10.5	17.4
4 1	13 54.85	− 4 2.9	1.724	2.692	6.6	17.2
4 11	13 46.78	− 3 9.8	1.711	2.706	3.2	17.0
4 21	13 38.27	− 2 21.3	1.725	2.720	3.8	17.1
5 1	13 30.30	− 1 43.2	1.767	2.733	7.4	17.4
5 11	13 23.73	− 1 19.2	1.834	2.747	11.0	17.6
5 21	13 19.11	− 1 11.2	1.923	2.761	14.2	17.8
105394 2000 QU_{141}			4 17.2 188°.23		1°.0/15.9 18	
3 12	14 3.25	− 8 52.4	2.922	3.735	9.9	20.2
3 22	13 58.72	− 8 21.4	2.833	3.734	7.5	20.1
4 1	13 52.81	− 7 44.2	2.769	3.733	4.7	19.9
4 11	13 45.96	− 7 3.4	2.734	3.731	1.8	19.7
4 21	13 38.75	− 6 22.5	2.729	3.729	1.9	19.7
5 1	13 31.78	− 5 45.0	2.754	3.727	4.7	19.9
5 11	13 25.62	− 5 14.0	2.808	3.724	7.5	20.0
5 21	13 20.71	− 4 51.9	2.886	3.720	10.0	20.2
500564 2012 UU_{58}			4 17.2 66°.72		2°.8/15.1 17	
3 12	14 10.24	− 1 49.5	2.138	2.964	12.6	21.0
3 22	14 4.32	− 1 48.8	2.072	2.979	9.5	20.8
4 1	13 56.47	− 1 47.2	2.030	2.993	6.2	20.6
4 11	13 47.38	− 1 47.8	2.015	3.008	3.2	20.4
4 21	13 37.90	− 1 53.7	2.030	3.023	3.6	20.5
5 1	13 28.91	− 2 7.3	2.074	3.038	6.7	20.7
5 11	13 21.20	− 2 30.1	2.144	3.053	9.9	20.9
5 21	13 15.32	− 3 2.7	2.238	3.067	12.7	21.1
247846 2003 SS_{350}			4 17.2 115°.74		1°.7/18.8 17	
3 12	14 5.44	−17 35.8	2.079	2.879	13.8	20.9
3 22	14 0.97	−17 22.7	1.998	2.886	10.8	20.7
4 1	13 54.50	−16 55.3	1.940	2.893	7.3	20.5
4 11	13 46.67	−16 15.5	1.908	2.899	3.6	20.3
4 21	13 38.32	−15 26.8	1.903	2.905	1.9	20.1
5 1	13 30.37	−14 34.3	1.927	2.912	5.2	20.4
5 11	13 23.66	−13 43.9	1.978	2.918	8.9	20.6
5 21	13 18.78	−13 0.6	2.053	2.923	12.1	20.8
368671 2005 NX_{35}			4 17.2 281°.86		7°.6/ 9.8 17	
3 12	14 3.70	+ 4 11.8	1.646	2.501	14.3	20.8
3 22	14 0.17	+ 5 56.3	1.568	2.486	11.3	20.6
4 1	13 54.26	+ 7 43.3	1.515	2.471	8.6	20.4
4 11	13 46.65	+ 9 22.6	1.486	2.456	7.6	20.3
4 21	13 38.30	+10 44.2	1.484	2.440	9.3	20.3
5 1	13 30.29	+11 40.1	1.505	2.425	12.3	20.5
5 11	13 23.68	+12 6.5	1.549	2.410	15.7	20.6
5 21	13 19.17	+12 3.4	1.611	2.395	18.7	20.8
79051 5091 $T\text{-}_{2}$			4 17.2 230°.72		3°.4/20.0 18	
3 12	14 7.80	−21 35.6	1.857	2.644	15.7	20.5
3 22	14 3.27	−21 33.7	1.760	2.636	12.7	20.3
4 1	13 56.26	−21 13.0	1.685	2.627	9.1	20.0
4 11	13 47.45	−20 33.5	1.634	2.617	5.3	19.8
4 21	13 37.79	−19 37.9	1.609	2.607	3.4	19.6
5 1	13 28.44	−18 31.7	1.613	2.597	6.1	19.8
5 11	13 20.50	−17 22.7	1.643	2.586	10.1	20.0
5 21	13 14.73	−16 18.4	1.696	2.574	13.8	20.2
371135 2005 WJ_{118}			4 17.2 192°.14		3°.4/20.7 18	
3 12	14 7.38	−23 43.3	2.390	3.152	13.3	21.9
3 22	14 2.35	−23 38.5	2.293	3.150	10.8	21.7
4 1	13 55.37	−23 17.2	2.218	3.148	7.9	21.5
4 11	13 47.02	−22 39.6	2.169	3.145	5.0	21.3
4 21	13 38.09	−21 47.9	2.148	3.141	3.4	21.2
5 1	13 29.46	−20 46.4	2.157	3.137	5.2	21.3
5 11	13 21.97	−19 40.9	2.193	3.132	8.2	21.5
5 21	13 16.22	−18 37.6	2.255	3.126	11.1	21.6
497182 2004 TS_{55}			4 17.2 215°.08		1°.4/15.9 18	
3 12	14 8.66	− 6 57.3	2.371	3.187	11.8	21.9
3 22	14 3.21	− 6 42.1	2.277	3.179	9.0	21.7
4 1	13 55.86	− 6 21.3	2.207	3.171	5.7	21.5
4 11	13 47.21	− 5 57.8	2.166	3.162	2.4	21.2
4 21	13 37.97	− 5 35.1	2.154	3.153	2.4	21.2
5 1	13 28.99	− 5 16.7	2.172	3.143	5.9	21.4
5 11	13 21.07	− 5 6.1	2.217	3.133	9.3	21.6
5 21	13 14.78	− 5 5.4	2.287	3.122	12.3	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
521002 2015 BU_{546}			4 17.2 300°.18		1°.6/18.6 17	
	h m	° ′			°	m
3 12	14 4.74	−17 26.6	1.852	2.661	14.9	21.6
3 22	14 0.74	−17 8.3	1.767	2.660	11.7	21.4
4 1	13 54.51	−16 33.8	1.704	2.659	7.9	21.1
4 11	13 46.72	−15 45.0	1.666	2.658	3.8	20.9
4 21	13 38.28	−14 46.4	1.655	2.658	1.9	20.8
5 1	13 30.23	−13 43.9	1.672	2.657	5.8	21.0
5 11	13 23.54	−12 44.6	1.715	2.656	9.8	21.2
5 21	13 18.85	−11 54.3	1.781	2.655	13.4	21.5
110102 2001 SM_{126}			4 17.2 189°.27		1°.1/18.1 18	
3 12	14 7.21	−15 39.7	2.015	2.820	14.0	20.6
3 22	14 2.44	−15 24.5	1.927	2.820	10.9	20.4
4 1	13 55.51	−14 55.8	1.862	2.819	7.2	20.1
4 11	13 47.10	−14 15.6	1.823	2.817	3.2	19.9
4 21	13 38.05	−13 27.7	1.813	2.815	1.6	19.7
5 1	13 29.37	−12 37.3	1.830	2.813	5.6	20.0
5 11	13 21.97	−11 50.4	1.875	2.811	9.5	20.2
5 21	13 16.48	−11 11.8	1.943	2.808	12.9	20.4
438193 2005 UW_{45}			4 17.2 241°.97		0°.2/16.9 18	
3 12	14 3.71	−11 30.9	2.889	3.696	10.2	22.4
3 22	13 59.21	−11 9.5	2.784	3.680	7.8	22.2
4 1	13 53.21	−10 40.3	2.704	3.664	5.0	22.0
4 11	13 46.16	−10 5.4	2.651	3.648	1.9	21.8
4 21	13 38.64	− 9 27.8	2.629	3.631	1.3	21.7
5 1	13 31.28	− 8 51.0	2.637	3.614	4.5	21.9
5 11	13 24.71	− 8 18.5	2.673	3.597	7.5	22.1
5 21	13 19.41	− 7 53.2	2.734	3.579	10.2	22.2
37654 1994 JQ_{6}			4 17.2 256°.44		0°.5/16.8 18	
3 12	14 4.96	−11 50.6	2.007	2.828	13.5	20.1
3 22	14 0.78	−11 19.3	1.912	2.817	10.3	19.8
4 1	13 54.51	−10 36.1	1.841	2.805	6.6	19.6
4 11	13 46.73	− 9 44.4	1.795	2.793	2.5	19.3
4 21	13 38.28	− 8 48.7	1.778	2.780	1.9	19.2
5 1	13 30.10	− 7 55.0	1.789	2.768	6.1	19.5
5 11	13 23.10	− 7 9.0	1.826	2.755	10.1	19.7
5 21	13 17.94	− 6 34.9	1.886	2.742	13.6	19.9
376004 2010 AM_{21}			4 17.2 112°.04		5°.3/22.2 17	
3 12	14 8.51	−27 19.3	2.111	2.862	15.2	20.9
3 22	14 3.46	−27 43.2	2.030	2.873	12.6	20.8
4 1	13 56.17	−27 47.9	1.970	2.884	9.7	20.6
4 11	13 47.35	−27 32.5	1.935	2.895	6.9	20.5
4 21	13 37.92	−26 58.0	1.926	2.906	5.4	20.4
5 1	13 28.93	−26 8.6	1.944	2.916	6.4	20.5
5 11	13 21.32	−25 10.6	1.989	2.927	8.9	20.6
5 21	13 15.74	−24 10.9	2.059	2.937	11.8	20.8
406325 2007 PH_{36}			4 17.2 215°.88		3°.3/19.9 16	
3 12	14 9.95	−21 42.8	1.991	2.769	15.1	21.7
3 22	14 4.77	−21 41.0	1.891	2.761	12.2	21.5
4 1	13 57.17	−21 21.3	1.812	2.751	8.8	21.3
4 11	13 47.81	−20 43.7	1.758	2.741	5.2	21.0
4 21	13 37.61	−19 50.4	1.733	2.730	3.3	20.9
5 1	13 27.70	−18 46.6	1.735	2.717	5.9	21.0
5 11	13 19.13	−17 39.6	1.765	2.705	9.7	21.2
5 21	13 12.67	−16 36.5	1.819	2.691	13.3	21.4
374526 2006 AY_{41}			4 17.2 143°.43		0°.7/16.5 17	
3 12	14 5.26	−11 12.4	1.977	2.800	13.6	21.7
3 22	14 0.88	−10 37.4	1.898	2.804	10.3	21.5
4 1	13 54.47	− 9 51.4	1.842	2.807	6.6	21.3
4 11	13 46.68	− 8 58.3	1.813	2.811	2.5	21.0
4 21	13 38.36	− 8 3.0	1.812	2.814	2.0	21.0
5 1	13 30.45	− 7 11.4	1.839	2.817	6.1	21.2
5 11	13 23.80	− 6 28.7	1.892	2.820	9.9	21.5
5 21	13 19.00	− 5 58.6	1.968	2.822	13.2	21.7
112662 2002 PE_{88}			4 17.2 312°.43		1°.3/16.3 17	
3 12	14 3.28	−10 35.8	1.365	2.214	17.1	19.7
3 22	14 0.50	−10 1.9	1.275	2.194	13.1	19.4
4 1	13 54.85	− 9 12.4	1.204	2.175	8.4	19.1
4 11	13 47.02	− 8 11.5	1.158	2.156	3.3	18.7
4 21	13 38.09	− 7 6.5	1.135	2.137	3.0	18.6
5 1	13 29.43	− 6 6.2	1.138	2.119	8.5	18.9
5 11	13 22.40	− 5 19.3	1.163	2.101	13.7	19.1
5 21	13 17.91	− 4 51.5	1.208	2.084	18.3	19.4
478076 2011 UL_{24}			4 17.2 253°.44		1°.1/18.4 16	
3 12	14 3.16	−16 25.9	2.552	3.349	11.6	22.1
3 22	13 59.02	−16 4.8	2.448	3.336	9.1	21.9
4 1	13 53.20	−15 31.6	2.368	3.322	6.1	21.7
4 11	13 46.19	−14 48.3	2.315	3.308	2.8	21.4
4 21	13 38.65	−13 57.9	2.291	3.294	1.4	21.3
5 1	13 31.31	−13 4.7	2.297	3.280	4.6	21.5
5 11	13 24.89	−12 13.4	2.330	3.265	7.9	21.7
5 21	13 19.92	−11 28.5	2.388	3.250	10.9	21.8

520738 2014 QW_{473} 4 17.2 101°.78 4°.8/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.09	− 0 35.2	1.657	2.502	14.8	21.1
3 22	14 3.24	+ 0 16.6	1.594	2.510	11.2	20.9
4 1	13 56.05	+ 1 11.0	1.554	2.519	7.5	20.7
4 11	13 47.30	+ 2 0.9	1.540	2.528	4.9	20.6
4 21	13 38.03	+ 2 40.0	1.552	2.536	6.0	20.6
5 1	13 29.34	+ 3 2.6	1.591	2.544	9.3	20.9
5 11	13 22.20	+ 3 6.2	1.654	2.552	12.9	21.1
5 21	13 17.22	+ 2 50.4	1.737	2.560	16.0	21.3

443273 2014 EL_{27} 4 17.2 58°.29 0°.9/18.1 17

3 12	14 3.08	−15 41.3	2.214	3.021	12.9	21.9
3 22	13 59.07	−15 20.6	2.132	3.026	9.9	21.7
4 1	13 53.24	−14 47.4	2.074	3.031	6.6	21.5
4 11	13 46.20	−14 4.2	2.042	3.036	2.9	21.3
4 21	13 38.69	−13 14.6	2.039	3.042	1.5	21.2
5 1	13 31.54	−12 23.6	2.063	3.047	5.0	21.4
5 11	13 25.49	−11 36.5	2.115	3.052	8.5	21.6
5 21	13 21.09	−10 57.3	2.191	3.058	11.6	21.8

437538 2013 YU_{117} 4 17.2 171°.74 0°.9/16.3 17

3 12	14 4.43	−10 19.7	2.252	3.072	12.3	21.8
3 22	14 0.03	− 9 45.7	2.169	3.074	9.3	21.6
4 1	13 53.84	− 9 2.5	2.110	3.075	5.9	21.4
4 11	13 46.43	− 8 13.7	2.079	3.076	2.2	21.2
4 21	13 38.55	− 7 23.5	2.076	3.077	2.0	21.2
5 1	13 31.01	− 6 37.0	2.102	3.077	5.7	21.4
5 11	13 24.55	− 5 58.7	2.154	3.078	9.1	21.6
5 21	13 19.71	− 5 31.6	2.231	3.078	12.1	21.8

502605 2015 CC_{15} 4 17.2 35°.83 16°.9/ 4.1 17

3 12	14 18.94	−52 10.1	1.821	2.402	22.2	20.6
3 22	14 14.02	−54 34.2	1.751	2.409	21.0	20.5
4 1	14 4.52	−56 28.8	1.695	2.416	19.7	20.3
4 11	13 51.12	−57 44.0	1.653	2.424	18.4	20.3
4 21	13 35.46	−58 12.8	1.628	2.432	17.5	20.2
5 1	13 20.04	−57 53.1	1.621	2.440	17.0	20.2
5 11	13 7.35	−56 51.4	1.631	2.448	17.1	20.2
5 21	12 58.97	−55 19.1	1.659	2.457	17.7	20.3

512531 2016 RQ_{43} 4 17.2 313°.97 5°.7/12.7 17

3 12	14 8.07	+ 5 43.0	2.043	2.878	12.7	20.6
3 22	14 3.03	+ 6 7.4	1.959	2.865	10.0	20.4
4 1	13 55.88	+ 6 28.0	1.898	2.852	7.4	20.2
4 11	13 47.27	+ 6 39.5	1.864	2.839	5.8	20.1
4 21	13 38.02	+ 6 37.4	1.856	2.826	6.6	20.1
5 1	13 29.10	+ 6 18.4	1.876	2.813	9.3	20.2
5 11	13 21.40	+ 5 41.7	1.921	2.801	12.3	20.4
5 21	13 15.55	+ 4 48.3	1.988	2.789	15.1	20.6

382231 2012 RH_{26} 4 17.2 194°.93 1°.3/15.9 17

3 12	14 5.20	− 8 32.0	2.333	3.154	11.8	21.8
3 22	14 0.57	− 8 0.1	2.247	3.152	9.0	21.6
4 1	13 54.17	− 7 20.7	2.185	3.150	5.7	21.3
4 11	13 46.56	− 6 37.2	2.151	3.148	2.3	21.1
4 21	13 38.47	− 5 53.7	2.146	3.145	2.3	21.1
5 1	13 30.68	− 5 14.9	2.170	3.142	5.8	21.3
5 11	13 23.94	− 4 44.7	2.220	3.139	9.1	21.5
5 21	13 18.78	− 4 25.7	2.295	3.135	12.1	21.7

377388 2004 RW_{308} 4 17.2 182°.00 1°.5/15.7 17

3 12	14 6.00	− 8 11.0	2.305	3.125	12.0	22.1
3 22	14 1.17	− 7 32.9	2.221	3.126	9.1	21.9
4 1	13 54.54	− 6 47.0	2.161	3.126	5.7	21.7
4 11	13 46.71	− 5 57.4	2.130	3.126	2.3	21.5
4 21	13 38.39	− 5 8.3	2.127	3.125	2.6	21.5
5 1	13 30.41	− 4 24.7	2.154	3.124	6.0	21.7
5 11	13 23.51	− 3 50.7	2.207	3.122	9.3	21.9
5 21	13 18.22	− 3 28.8	2.284	3.120	12.3	22.1

139817 2001 RK_{25} 4 17.2 109°.99 2°.1/14.9 17

3 12	14 2.68	− 7 21.9	2.279	3.108	11.8	20.2
3 22	13 58.61	− 6 23.5	2.206	3.117	8.8	20.0
4 1	13 52.86	− 5 17.6	2.158	3.125	5.6	19.8
4 11	13 46.03	− 4 9.0	2.138	3.134	2.5	19.6
4 21	13 38.82	− 3 3.0	2.147	3.142	3.1	19.7
5 1	13 31.99	− 2 5.1	2.184	3.150	6.3	19.9
5 11	13 26.21	− 1 19.5	2.248	3.158	9.4	20.1
5 21	13 21.97	− 0 48.5	2.335	3.166	12.2	20.3

210122 2006 RL_{40} 4 17.2 148°.59 1°.2/15.7 18

3 12	14 2.22	− 9 48.4	2.437	3.258	11.4	20.1
3 22	13 58.21	− 8 56.2	2.356	3.262	8.6	19.9
4 1	13 52.59	− 7 55.1	2.300	3.266	5.4	19.7
4 11	13 45.93	− 6 49.2	2.272	3.269	2.1	19.5
4 21	13 38.88	− 5 43.3	2.273	3.272	2.3	19.5
5 1	13 32.15	− 4 42.5	2.303	3.275	5.5	19.7
5 11	13 26.40	− 3 51.3	2.361	3.278	8.7	19.9
5 21	13 22.09	− 3 12.6	2.442	3.281	11.5	20.1

206932 2004 RW_{48} 4 17.2 164°.69 1°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.71	−14 45.8	1.919	2.722	14.7	21.5
3 22	14 5.92	−14 38.2	1.837	2.728	11.4	21.3
4 1	13 57.77	−14 17.6	1.778	2.734	7.5	21.1
4 11	13 48.01	−13 46.1	1.745	2.739	3.3	20.8
4 21	13 37.60	−13 7.2	1.740	2.743	1.7	20.7
5 1	13 27.64	−12 25.9	1.764	2.746	5.9	21.0
5 11	13 19.13	−11 48.2	1.815	2.748	9.9	21.2
5 21	13 12.74	−11 18.7	1.890	2.750	13.4	21.5

392607 2011 SV_{252} 4 17.2 228°.83 2°.7/13.9 17

3 12	14 1.65	− 5 5.7	2.375	3.209	11.2	21.1
3 22	13 57.84	− 4 3.0	2.293	3.206	8.4	20.9
4 1	13 52.40	− 2 53.8	2.236	3.203	5.4	20.7
4 11	13 45.88	− 1 43.3	2.207	3.200	2.9	20.5
4 21	13 38.93	− 0 36.9	2.207	3.197	3.7	20.6
5 1	13 32.27	+ 0 20.3	2.235	3.194	6.7	20.8
5 11	13 26.57	+ 1 4.2	2.290	3.190	9.7	21.0
5 21	13 22.34	+ 1 32.5	2.367	3.187	12.4	21.1

159888 2004 SL_{59} 4 17.2 161°.95 4°.6/12.3 17

3 12	14 6.23	+ 2 35.4	2.408	3.240	11.2	20.6
3 22	14 1.17	+ 3 31.4	2.339	3.245	8.6	20.4
4 1	13 54.46	+ 4 27.2	2.294	3.251	6.1	20.2
4 11	13 46.65	+ 5 17.6	2.278	3.255	4.7	20.2
4 21	13 38.47	+ 5 57.7	2.290	3.260	5.6	20.2
5 1	13 30.66	+ 6 23.7	2.331	3.263	7.9	20.4
5 11	13 23.90	+ 6 33.4	2.397	3.267	10.5	20.5
5 21	13 18.68	+ 6 26.8	2.485	3.269	12.9	20.7

255615 2006 PK_{18} 4 17.2 272°.23 0°.4/17.5 17

3 12	14 7.43	−13 37.6	1.668	2.490	15.7	21.4
3 22	14 3.28	−13 20.8	1.567	2.471	12.3	21.1
4 1	13 56.47	−12 49.3	1.488	2.450	8.1	20.8
4 11	13 47.64	−12 5.1	1.433	2.430	3.3	20.4
4 21	13 37.78	−11 12.9	1.405	2.409	1.9	20.3
5 1	13 28.11	−10 19.1	1.404	2.387	6.9	20.5
5 11	13 19.86	− 9 31.1	1.429	2.366	11.8	20.8
5 21	13 13.90	− 8 55.0	1.475	2.344	16.0	21.0

40841 1999 TQ_{98} 4 17.2 168°.53 2°.2/15.1 18

3 12	14 7.65	− 4 43.3	2.408	3.230	11.5	19.0
3 22	14 2.30	− 4 17.4	2.328	3.234	8.7	18.8
4 1	13 55.21	− 3 47.4	2.273	3.237	5.5	18.6
4 11	13 46.97	− 3 16.8	2.246	3.240	2.7	18.4
4 21	13 38.28	− 2 49.4	2.248	3.243	3.1	18.4
5 1	13 29.94	− 2 28.9	2.280	3.245	6.1	18.6
5 11	13 22.66	− 2 18.1	2.339	3.246	9.2	18.8
5 21	13 16.96	− 2 18.7	2.421	3.247	12.0	19.0

305427 2008 CR_{146} 4 17.2 183°.40 3°.4/21.4 18

3 12	14 5.15	−24 58.6	2.975	3.722	11.3	21.9
3 22	14 0.32	−25 4.4	2.877	3.722	9.3	21.8
4 1	13 53.93	−24 56.8	2.802	3.722	6.9	21.6
4 11	13 46.48	−24 35.7	2.753	3.721	4.7	21.5
4 21	13 38.57	−24 2.6	2.734	3.720	3.4	21.4
5 1	13 30.89	−23 20.3	2.743	3.719	4.5	21.4
5 11	13 24.10	−22 32.9	2.781	3.717	6.8	21.6
5 21	13 18.69	−21 45.0	2.845	3.715	9.1	21.7

469340 2000 SK_{249} 4 17.2 190°.46 3°.3/12.5 17

3 12	14 1.79	− 0 53.9	3.042	3.871	9.2	22.3
3 22	13 57.57	+ 0 14.5	2.961	3.869	6.9	22.1
4 1	13 52.07	+ 1 25.7	2.906	3.867	4.7	22.0
4 11	13 45.72	+ 2 35.1	2.881	3.864	3.3	21.9
4 21	13 39.05	+ 3 38.4	2.885	3.861	4.1	21.9
5 1	13 32.60	+ 4 31.7	2.920	3.858	6.3	22.0
5 11	13 26.92	+ 5 12.2	2.981	3.854	8.6	22.2
5 21	13 22.39	+ 5 38.3	3.065	3.849	10.7	22.3

272861 2006 BW_{57} 4 17.2 353°.43 6°.3/22.7 17

3 12	14 4.15	−28 15.3	1.710	2.480	17.6	19.8
3 22	14 0.77	−28 33.8	1.624	2.478	14.7	19.5
4 1	13 54.79	−28 28.2	1.557	2.476	11.5	19.3
4 11	13 46.94	−27 56.9	1.512	2.474	8.2	19.1
4 21	13 38.27	−27 1.3	1.491	2.473	6.3	19.0
5 1	13 30.01	−25 46.7	1.496	2.473	7.4	19.1
5 11	13 23.32	−24 22.1	1.526	2.472	10.4	19.2
5 21	13 18.95	−22 57.1	1.578	2.473	13.8	19.4

44929 1999 VR_{37} 4 17.2 288°.53 8°.5/10.1 18

3 12	14 9.21	+12 10.1	1.912	2.744	13.6	18.5
3 22	14 4.03	+13 1.6	1.836	2.731	11.3	18.3
4 1	13 56.58	+13 44.9	1.784	2.718	9.3	18.1
4 11	13 47.57	+14 12.5	1.757	2.705	8.5	18.1
4 21	13 37.91	+14 18.5	1.755	2.692	9.6	18.1
5 1	13 28.65	+13 59.4	1.779	2.679	11.9	18.2
5 11	13 20.75	+13 15.2	1.825	2.666	14.5	18.4
5 21	13 14.88	+12 8.5	1.891	2.654	17.1	18.5

473225 2015 KX_{144} 4 17.2 351°.83 1°.9/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.48	− 7 5.8	2.065	2.898	12.7	21.0
3 22	13 59.48	− 6 34.3	1.984	2.897	9.6	20.8
4 1	13 53.57	− 5 55.7	1.928	2.895	6.1	20.6
4 11	13 46.37	− 5 14.1	1.898	2.894	2.6	20.4
4 21	13 38.65	− 4 34.2	1.896	2.894	2.9	20.4
5 1	13 31.27	− 4 0.8	1.921	2.893	6.5	20.6
5 11	13 25.04	− 3 37.9	1.973	2.893	10.0	20.8
5 21	13 20.52	− 3 28.1	2.047	2.892	13.1	21.0

106900 2000 YA_{45} 4 17.2 164°.73 4°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.96	− 2 51.6	1.821	2.658	14.0	19.9
3 22	14 3.04	− 1 50.5	1.749	2.663	10.6	19.7
4 1	13 55.90	− 0 43.9	1.701	2.667	6.9	19.5
4 11	13 47.28	+ 0 21.5	1.680	2.670	4.2	19.3
4 21	13 38.11	+ 1 19.1	1.686	2.673	5.2	19.4
5 1	13 29.42	+ 2 2.5	1.720	2.675	8.6	19.6
5 11	13 22.13	+ 2 28.0	1.778	2.677	12.1	19.8
5 21	13 16.86	+ 2 34.1	1.858	2.678	15.3	20.0

293659 2007 PC_{15} 4 17.2 258°.00 3°.0/14.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.38	− 5 58.8	1.638	2.477	15.2	21.1
3 22	14 3.92	− 5 14.1	1.545	2.460	11.6	20.8
4 1	13 56.82	− 4 19.7	1.474	2.442	7.5	20.5
4 11	13 47.77	− 3 21.2	1.428	2.424	3.6	20.2
4 21	13 37.75	− 2 25.3	1.409	2.405	4.3	20.2
5 1	13 28.00	− 1 39.5	1.417	2.385	8.7	20.4
5 11	13 19.70	− 1 9.7	1.450	2.366	13.2	20.6
5 21	13 13.69	− 0 59.2	1.503	2.346	17.2	20.8

301509 2009 EW_{30} 4 17.2 350°.55 0°.9/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.58	− 9 43.9	2.043	2.871	13.0	20.9
3 22	13 59.61	− 9 19.7	1.961	2.869	9.9	20.7
4 1	13 53.68	− 8 46.6	1.902	2.868	6.3	20.5
4 11	13 46.43	− 8 8.0	1.869	2.866	2.4	20.2
4 21	13 38.62	− 7 28.3	1.864	2.865	2.1	20.2
5 1	13 31.17	− 6 52.3	1.887	2.865	6.0	20.4
5 11	13 24.87	− 6 24.6	1.936	2.864	9.7	20.7
5 21	13 20.32	− 6 8.3	2.008	2.864	12.9	20.9

382107 2011 HA 4 17.2 342°.48 4°.8/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.37	− 0 16.1	1.555	2.406	15.2	20.4
3 22	14 2.28	+ 0 16.2	1.481	2.400	11.7	20.2
4 1	13 55.66	+ 0 50.4	1.428	2.395	7.9	19.9
4 11	13 47.26	+ 1 20.1	1.401	2.390	5.0	19.7
4 21	13 38.12	+ 1 39.3	1.399	2.386	5.9	19.8
5 1	13 29.44	+ 1 42.7	1.422	2.382	9.5	20.0
5 11	13 22.30	+ 1 27.8	1.469	2.379	13.5	20.2
5 21	13 17.44	+ 0 54.3	1.536	2.377	17.0	20.4

390060 2012 UK_{88} 4 17.2 122°.72 0°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.47	−12 26.8	2.593	3.400	11.2	22.4
3 22	13 59.78	−12 3.0	2.517	3.413	8.5	22.3
4 1	13 53.55	−11 30.6	2.465	3.425	5.4	22.1
4 11	13 46.31	−10 52.0	2.441	3.437	2.1	21.9
4 21	13 38.72	−10 10.8	2.446	3.449	1.3	21.8
5 1	13 31.48	− 9 30.7	2.481	3.460	4.6	22.1
5 11	13 25.21	− 8 55.6	2.543	3.471	7.7	22.3
5 21	13 20.38	− 8 28.6	2.631	3.482	10.4	22.5

101654 1999 CE_{71} 4 17.2 78°.08 3°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.92	−20 57.8	1.705	2.499	16.6	19.2
3 22	14 3.93	−20 55.3	1.642	2.522	13.2	19.1
4 1	13 56.51	−20 33.6	1.600	2.545	9.2	18.9
4 11	13 47.51	−19 54.1	1.583	2.568	5.2	18.7
4 21	13 38.01	−19 0.7	1.592	2.590	3.2	18.6
5 1	13 29.20	−17 59.9	1.628	2.612	6.0	18.8
5 11	13 22.04	−16 59.4	1.691	2.634	9.8	19.1
5 21	13 17.15	−16 5.7	1.776	2.656	13.2	19.3

150067 2006 SJ_{8} 4 17.2 239°.23 3°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.92	− 2 25.8	2.470	3.305	10.8	20.4
3 22	13 58.03	− 1 12.6	2.383	3.296	8.2	20.2
4 1	13 52.53	+ 0 5.7	2.322	3.286	5.4	20.1
4 11	13 45.96	+ 1 23.8	2.289	3.276	3.6	19.9
4 21	13 38.92	+ 2 35.8	2.285	3.266	4.6	20.0
5 1	13 32.14	+ 3 36.5	2.310	3.256	7.3	20.1
5 11	13 26.27	+ 4 21.9	2.360	3.245	10.1	20.3
5 21	13 21.81	+ 4 50.3	2.434	3.234	12.7	20.4

70203 1999 RE_{25} 4 17.2 81°.99 1°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.04	−15 48.4	1.545	2.365	16.9	18.6
3 22	14 3.50	−15 31.2	1.478	2.379	13.1	18.4
4 1	13 56.36	−14 57.2	1.433	2.392	8.6	18.2
4 11	13 47.49	−14 9.4	1.411	2.406	3.8	17.9
4 21	13 38.02	−13 13.2	1.416	2.419	1.9	17.8
5 1	13 29.19	−12 15.6	1.448	2.433	6.5	18.1
5 11	13 22.07	−11 24.1	1.505	2.446	10.9	18.4
5 21	13 17.33	−10 44.4	1.584	2.459	14.8	18.7

380030 2013 QR_{57} 4 17.2 280°.11 0°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.41	−11 21.8	1.714	2.541	15.2	21.1
3 22	14 3.21	−11 4.8	1.611	2.518	11.8	20.9
4 1	13 56.42	−10 35.3	1.530	2.495	7.6	20.6
4 11	13 47.64	− 9 56.3	1.474	2.471	3.0	20.2
4 21	13 37.83	− 9 12.1	1.445	2.447	2.1	20.1
5 1	13 28.18	− 8 29.0	1.442	2.423	7.1	20.3
5 11	13 19.87	− 7 53.4	1.465	2.399	11.8	20.5
5 21	13 13.77	− 7 30.4	1.510	2.374	16.0	20.7

349942 2010 CR_{22} 4 17.2 76°.98 4°.9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.57	−21 23.1	1.315	2.121	20.0	20.8
3 22	14 7.59	−22 0.1	1.251	2.135	16.1	20.6
4 1	13 59.32	−22 15.5	1.205	2.149	11.7	20.4
4 11	13 48.73	−22 7.8	1.181	2.163	7.2	20.2
4 21	13 37.26	−21 39.0	1.182	2.177	4.9	20.1
5 1	13 26.55	−20 55.3	1.208	2.191	7.7	20.3
5 11	13 18.02	−20 6.2	1.257	2.205	12.0	20.5
5 21	13 12.51	−19 20.4	1.328	2.219	16.1	20.8

391272 2006 SL_{112} 4 17.2 147°.35 2°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.53	−18 56.3	2.465	3.248	12.4	22.1
3 22	14 1.59	−19 5.8	2.377	3.252	9.8	21.9
4 1	13 54.85	−19 3.4	2.313	3.256	6.9	21.7
4 11	13 46.87	−18 49.6	2.275	3.260	3.8	21.5
4 21	13 38.39	−18 26.4	2.266	3.264	2.4	21.4
5 1	13 30.20	−17 56.9	2.285	3.268	4.7	21.6
5 11	13 23.07	−17 25.7	2.333	3.271	7.8	21.8
5 21	13 17.54	−16 56.8	2.406	3.274	10.6	22.0

8769 Arctictern 4 17.2 285°.56 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.28	−11 43.2	1.843	2.670	14.2	17.6
3 22	14 0.40	−11 8.4	1.757	2.665	10.9	17.3
4 1	13 54.33	−10 21.0	1.695	2.660	7.0	17.1
4 11	13 46.73	− 9 25.0	1.658	2.655	2.6	16.8
4 21	13 38.47	− 8 25.5	1.648	2.651	2.1	16.7
5 1	13 30.58	− 7 29.2	1.666	2.646	6.5	17.0
5 11	13 23.98	− 6 42.0	1.710	2.641	10.6	17.2
5 21	13 19.34	− 6 8.4	1.776	2.636	14.2	17.5

495379 2014 OH_{355} 4 17.2 282°.87 1°.9/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.72	−17 13.9	1.402	2.226	18.1	22.1
3 22	14 3.32	−17 1.6	1.302	2.204	14.4	21.8
4 1	13 56.83	−16 28.2	1.223	2.182	9.8	21.5
4 11	13 47.91	−15 34.8	1.166	2.159	4.7	21.1
4 21	13 37.67	−14 25.6	1.134	2.137	2.4	20.9
5 1	13 27.61	−13 8.7	1.127	2.114	7.6	21.1
5 11	13 19.22	−11 54.7	1.144	2.091	13.1	21.4
5 21	13 13.55	−10 52.8	1.181	2.068	18.0	21.6

472422 2015 BO_{269} 4 17.2 269°.48 1°.9/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.47	− 7 40.3	1.857	2.691	13.9	21.1
3 22	14 1.27	− 7 6.1	1.772	2.684	10.5	20.9
4 1	13 54.88	− 6 23.0	1.710	2.678	6.7	20.6
4 11	13 46.95	− 5 35.6	1.674	2.671	2.8	20.3
4 21	13 38.35	− 4 49.2	1.666	2.664	3.1	20.3
5 1	13 30.10	− 4 9.6	1.685	2.658	7.1	20.6
5 11	13 23.14	− 3 41.7	1.729	2.651	11.1	20.8
5 21	13 18.12	− 3 28.5	1.795	2.644	14.5	21.0

381520 2008 SV_{196} 4 17.2 162°.59 0°.7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.48	− 9 54.4	2.154	2.973	12.8	21.4
3 22	14 1.68	− 9 35.1	2.072	2.976	9.7	21.2
4 1	13 54.96	− 9 7.5	2.014	2.978	6.2	21.0
4 11	13 46.93	− 8 34.6	1.983	2.980	2.3	20.7
4 21	13 38.38	− 8 0.3	1.980	2.982	1.9	20.7
5 1	13 30.18	− 7 28.9	2.006	2.984	5.8	20.9
5 11	13 23.16	− 7 4.7	2.059	2.985	9.3	21.2
5 21	13 17.87	− 6 50.5	2.136	2.986	12.5	21.4

419707 2010 UV_{75} 4 17.2 235°.77 3°.5/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.62	−21 38.0	1.702	2.498	16.6	21.4
3 22	14 2.52	−21 37.2	1.616	2.496	13.4	21.2
4 1	13 55.87	−21 16.3	1.550	2.494	9.6	21.0
4 11	13 47.38	−20 35.7	1.507	2.491	5.6	20.7
4 21	13 38.08	−19 38.4	1.491	2.489	3.6	20.6
5 1	13 29.20	−18 30.7	1.502	2.487	6.3	20.7
5 11	13 21.85	−17 21.0	1.538	2.484	10.4	21.0
5 21	13 16.79	−16 17.0	1.597	2.482	14.2	21.2

143636 2003 KO_{19} 4 17.2 45°.10 9°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.88	+15 22.5	1.936	2.772	13.3	18.7
3 22	13 59.70	+16 51.8	1.900	2.789	11.2	18.6
4 1	13 53.61	+18 9.1	1.888	2.806	9.9	18.6
4 11	13 46.35	+19 6.6	1.901	2.823	9.7	18.6
4 21	13 38.78	+19 38.8	1.937	2.841	10.7	18.7
5 1	13 31.80	+19 43.3	1.997	2.859	12.5	18.8
5 11	13 26.14	+19 20.9	2.078	2.878	14.5	19.0
5 21	13 22.29	+18 35.0	2.176	2.897	16.3	19.2

502373 2015 BL_{241} 4 17.2 195°.07 1°.7/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.48	− 8 4.9	2.152	2.976	12.6	22.5
3 22	14 1.70	− 7 22.5	2.067	2.974	9.6	22.3
4 1	13 54.99	− 6 31.7	2.006	2.971	6.0	22.0
4 11	13 46.96	− 5 36.6	1.972	2.968	2.5	21.8
4 21	13 38.38	− 4 42.3	1.966	2.964	2.8	21.8
5 1	13 30.13	− 3 54.1	1.990	2.960	6.4	22.0
5 11	13 23.04	− 3 16.7	2.040	2.955	10.0	22.2
5 21	13 17.68	− 2 53.0	2.114	2.950	13.1	22.4

388757 2007 WT_{55} 4 17.2 116°.50 2°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.46	− 2 37.3	2.525	3.352	10.9	21.4
3 22	14 0.50	− 2 0.8	2.459	3.367	8.2	21.3
4 1	13 53.98	− 1 21.7	2.418	3.381	5.3	21.1
4 11	13 46.50	− 0 44.0	2.405	3.396	3.0	21.0
4 21	13 38.69	− 0 11.7	2.421	3.410	3.6	21.0
5 1	13 31.27	+ 0 11.9	2.467	3.423	6.2	21.2
5 11	13 24.86	+ 0 24.2	2.539	3.436	9.0	21.4
5 21	13 19.91	+ 0 24.2	2.635	3.449	11.4	21.6

26827 1989 UW_{5} 4 17.2 145°.94 1°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.50	− 8 52.4	2.222	3.038	12.5	19.5
3 22	14 3.07	− 8 23.5	2.146	3.049	9.5	19.3
4 1	13 55.76	− 7 46.8	2.095	3.059	6.0	19.1
4 11	13 47.22	− 7 6.0	2.072	3.069	2.3	18.9
4 21	13 38.25	− 6 25.2	2.078	3.078	2.3	18.9
5 1	13 29.69	− 5 49.0	2.113	3.087	5.9	19.1
5 11	13 22.34	− 5 21.4	2.176	3.095	9.3	19.4
5 21	13 16.71	− 5 4.8	2.262	3.102	12.3	19.6

251906 1999 VX_{134} 4 17.2 151°.89 1°.3/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.61	−16 57.9	1.717	2.529	15.8	21.5
3 22	14 2.32	−16 30.5	1.637	2.533	12.3	21.2
4 1	13 55.62	−15 45.6	1.578	2.536	8.2	21.0
4 11	13 47.25	−14 45.9	1.545	2.538	3.7	20.7
4 21	13 38.21	−13 36.6	1.538	2.541	1.8	20.6
5 1	13 29.65	−12 24.8	1.559	2.543	6.2	20.9
5 11	13 22.59	−11 18.5	1.605	2.545	10.5	21.1
5 21	13 17.71	−10 23.8	1.675	2.547	14.3	21.4

64666 2001 XU_{62} 4 17.2 149°.21 0°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.59	−13 39.7	2.127	2.937	13.2	19.9
3 22	14 1.78	−13 10.6	2.047	2.944	10.1	19.8
4 1	13 55.02	−12 29.6	1.991	2.951	6.6	19.5
4 11	13 46.96	−11 39.7	1.961	2.958	2.6	19.3
4 21	13 38.41	−10 45.3	1.960	2.963	1.5	19.2
5 1	13 30.26	− 9 51.7	1.988	2.969	5.5	19.5
5 11	13 23.33	− 9 4.3	2.043	2.974	9.1	19.7
5 21	13 18.17	− 8 27.1	2.122	2.979	12.3	19.9

322493 2011 UN_{302} 4 17.2 202°.88 4°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.22	−26 54.0	2.518	3.266	13.1	20.7
3 22	13 59.97	−27 3.1	2.423	3.265	10.9	20.6
4 1	13 53.88	−26 55.5	2.349	3.265	8.3	20.4
4 11	13 46.53	−26 31.0	2.301	3.264	5.8	20.2
4 21	13 38.65	−25 50.9	2.280	3.263	4.4	20.1
5 1	13 31.04	−24 58.7	2.287	3.262	5.4	20.2
5 11	13 24.48	−23 59.6	2.322	3.260	7.8	20.3
5 21	13 19.53	−22 59.4	2.381	3.259	10.4	20.5

19776 Balears 4 17.2 314°.15 6°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.64	−22 43.4	1.286	2.099	20.1	18.4
3 22	14 3.67	−23 33.1	1.195	2.081	16.6	18.1
4 1	13 57.30	−24 2.0	1.121	2.064	12.5	17.8
4 11	13 48.18	−24 6.6	1.068	2.047	8.4	17.5
4 21	13 37.54	−23 45.9	1.038	2.030	6.2	17.3
5 1	13 27.09	−23 4.0	1.031	2.015	8.7	17.4
5 11	13 18.52	−22 10.2	1.047	2.000	13.3	17.6
5 21	13 13.04	−21 15.1	1.082	1.986	17.9	17.8

323759 2005 OA_{21} 4 17.2 202°.13 0°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.94	−12 22.8	1.761	2.584	15.0	20.9
3 22	14 2.52	−12 3.5	1.679	2.584	11.5	20.7
4 1	13 55.74	−11 31.6	1.619	2.583	7.4	20.4
4 11	13 47.31	−10 50.5	1.585	2.582	2.9	20.2
4 21	13 38.19	−10 4.7	1.578	2.581	1.8	20.1
5 1	13 29.48	− 9 20.2	1.598	2.580	6.4	20.4
5 11	13 22.20	− 8 42.9	1.644	2.578	10.7	20.6
5 21	13 17.03	− 8 17.3	1.712	2.577	14.4	20.8

465639 2009 LY_{6} 4 17.2 274°.73 3°.7/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.79	−21 25.2	1.744	2.539	16.3	21.3
3 22	14 2.80	−21 31.8	1.643	2.522	13.2	21.1
4 1	13 56.18	−21 19.4	1.563	2.506	9.6	20.8
4 11	13 47.58	−20 47.6	1.506	2.489	5.7	20.5
4 21	13 37.98	−19 58.3	1.475	2.473	3.7	20.4
5 1	13 28.60	−18 56.9	1.471	2.456	6.5	20.5
5 11	13 20.64	−17 51.4	1.493	2.439	10.7	20.7
5 21	13 14.96	−16 49.8	1.537	2.422	14.7	20.9

156432 2002 AZ_{104} 4 17.2 185°.41 0°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.90	−11 54.8	2.263	3.074	12.5	21.1
3 22	14 1.96	−11 28.6	2.176	3.074	9.6	20.9
4 1	13 55.13	−10 52.4	2.112	3.074	6.1	20.6
4 11	13 47.02	−10 9.0	2.076	3.073	2.4	20.4
4 21	13 38.38	− 9 22.5	2.069	3.071	1.6	20.3
5 1	13 30.07	− 8 37.5	2.091	3.069	5.4	20.6
5 11	13 22.87	− 7 58.8	2.140	3.066	9.0	20.8
5 21	13 17.36	− 7 29.9	2.213	3.063	12.1	21.0

174034 2002 AQ_{47} 4 17.2 141°.87 10°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.23	+23 48.6	2.554	3.353	11.6	20.4
3 22	13 59.71	+25 21.7	2.515	3.358	10.5	20.3
4 1	13 53.55	+26 40.7	2.499	3.362	10.0	20.3
4 11	13 46.35	+27 39.1	2.508	3.366	10.2	20.3
4 21	13 38.81	+28 12.6	2.540	3.370	11.1	20.4
5 1	13 31.69	+28 19.3	2.594	3.374	12.4	20.5
5 11	13 25.63	+28 0.0	2.668	3.378	13.7	20.6
5 21	13 21.10	+27 17.6	2.758	3.381	15.0	20.7

453356 2009 AR_{13} 4 17.2 110°.97 4°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.16	− 2 38.1	1.630	2.470	15.2	21.8
3 22	14 4.76	− 1 34.6	1.574	2.489	11.5	21.6
4 1	13 56.99	− 0 26.4	1.541	2.507	7.5	21.4
4 11	13 47.72	+ 0 39.0	1.535	2.525	4.5	21.2
4 21	13 38.01	+ 1 34.4	1.555	2.542	5.5	21.3
5 1	13 29.00	+ 2 13.6	1.603	2.558	9.0	21.6
5 11	13 21.64	+ 2 33.2	1.675	2.574	12.7	21.8
5 21	13 16.51	+ 2 32.8	1.767	2.590	15.9	22.1

305980 2009 HV_{101} 4 17.2 216°.95 2°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.53	− 3 3.2	2.525	3.353	10.8	20.5
3 22	13 59.95	− 2 34.4	2.441	3.350	8.2	20.3
4 1	13 53.75	− 2 2.5	2.383	3.347	5.3	20.1
4 11	13 46.47	− 1 31.2	2.352	3.344	2.9	20.0
4 21	13 38.75	− 1 4.3	2.350	3.340	3.5	20.0
5 1	13 31.31	− 0 45.3	2.377	3.337	6.2	20.2
5 11	13 24.82	− 0 36.8	2.430	3.333	9.1	20.4
5 21	13 19.76	− 0 40.2	2.507	3.329	11.7	20.5

373901 2003 UP_{13} 4 17.2 200°.77 8°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 27.26	−21 33.8	1.225	2.012	22.3	21.2
3 22	14 20.17	−23 41.7	1.142	2.010	18.6	21.0
4 1	14 8.42	−25 37.7	1.077	2.008	14.2	20.7
4 11	13 52.72	−27 12.1	1.036	2.005	10.1	20.4
4 21	13 34.76	−28 16.6	1.019	2.002	8.5	20.3
5 1	13 16.98	−28 48.6	1.029	1.997	11.1	20.5
5 11	13 1.81	−28 54.7	1.062	1.993	15.5	20.7
5 21	12 50.83	−28 46.4	1.115	1.987	19.9	20.9

42347 2002 AV_{155} 4 17.2 309°.87 8°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.53	+ 3 15.1	1.285	2.154	16.6	18.2
3 22	14 0.07	+ 5 0.4	1.202	2.129	13.2	17.9
4 1	13 54.68	+ 6 51.8	1.142	2.104	10.0	17.6
4 11	13 47.07	+ 8 36.9	1.104	2.079	8.7	17.5
4 21	13 38.32	+10 2.8	1.089	2.055	10.7	17.5
5 1	13 29.86	+10 58.1	1.097	2.031	14.6	17.7
5 11	13 23.05	+11 17.3	1.124	2.007	18.7	17.8
5 21	13 18.84	+11 0.4	1.167	1.985	22.6	18.0

153343 2001 OE_{104} 4 17.2 132°.71 11°.2/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.40	+27 18.8	2.459	3.237	12.6	21.1
3 22	14 3.61	+29 12.8	2.438	3.256	11.6	21.0
4 1	13 56.01	+30 48.8	2.440	3.274	11.2	21.0
4 11	13 47.30	+31 59.6	2.467	3.291	11.5	21.1
4 21	13 38.30	+32 40.9	2.517	3.307	12.3	21.1
5 1	13 29.85	+32 51.6	2.587	3.322	13.5	21.3
5 11	13 22.68	+32 33.7	2.676	3.337	14.7	21.4
5 21	13 17.27	+31 51.2	2.779	3.351	15.7	21.5

102355 1999 TC_{131} 4 17.2 135°.18 0°.5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.25	−11 21.6	2.603	3.417	11.0	20.1
3 22	13 58.17	−10 44.2	2.521	3.422	8.3	20.0
4 1	13 52.58	− 9 58.1	2.464	3.427	5.3	19.8
4 11	13 46.00	− 9 6.5	2.435	3.432	2.0	19.5
4 21	13 39.05	− 8 13.3	2.435	3.437	1.6	19.5
5 1	13 32.40	− 7 22.8	2.464	3.441	4.9	19.8
5 11	13 26.67	− 6 39.1	2.521	3.445	7.9	20.0
5 21	13 22.31	− 6 5.2	2.603	3.450	10.6	20.1

215454 2002 PQ_{66} 4 17.2 196°.44 2°.2/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.01	− 7 41.5	1.912	2.741	13.7	21.1
3 22	14 2.35	− 6 51.0	1.829	2.739	10.4	20.9
4 1	13 55.53	− 5 51.0	1.770	2.737	6.6	20.6
4 11	13 47.22	− 4 46.6	1.738	2.734	2.9	20.4
4 21	13 38.30	− 3 43.8	1.734	2.730	3.4	20.4
5 1	13 29.77	− 2 49.0	1.757	2.726	7.2	20.6
5 11	13 22.53	− 2 7.6	1.807	2.722	11.1	20.8
5 21	13 17.22	− 1 42.5	1.879	2.717	14.4	21.1

392900 2012 VF_{49} 4 17.2 76°.54 0°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.16	−13 2.0	2.182	2.999	12.7	21.4
3 22	13 59.06	−12 16.4	2.113	3.015	9.6	21.3
4 1	13 53.21	−11 19.5	2.069	3.032	6.1	21.1
4 11	13 46.25	−10 15.2	2.051	3.048	2.3	20.8
4 21	13 38.94	− 9 8.5	2.062	3.064	1.6	20.8
5 1	13 32.05	− 8 5.0	2.101	3.080	5.4	21.1
5 11	13 26.32	− 7 10.0	2.168	3.096	8.8	21.3
5 21	13 22.20	− 6 27.0	2.258	3.112	11.8	21.5

228364 2000 VH_{22} 4 17.2 174°.38 1°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.99	−16 25.2	2.304	3.101	12.7	21.3
3 22	14 1.27	−15 59.0	2.216	3.104	9.9	21.1
4 1	13 54.69	−15 19.6	2.152	3.106	6.6	20.9
4 11	13 46.87	−14 29.4	2.114	3.107	3.0	20.7
4 21	13 38.54	−13 32.1	2.105	3.108	1.5	20.6
5 1	13 30.56	−12 32.8	2.126	3.109	5.0	20.8
5 11	13 23.68	−11 37.0	2.175	3.109	8.5	21.0
5 21	13 18.47	−10 49.2	2.248	3.108	11.6	21.2

519372 2011 OU_{60} 4 17.2 217°.94 3°.2/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.72	− 3 10.2	2.448	3.281	11.0	22.2
3 22	13 58.64	− 2 8.9	2.364	3.276	8.3	22.0
4 1	13 52.95	− 1 2.8	2.306	3.271	5.4	21.8
4 11	13 46.18	+ 0 3.3	2.275	3.265	3.3	21.7
4 21	13 38.96	+ 1 4.0	2.274	3.259	4.1	21.7
5 1	13 32.01	+ 1 54.5	2.301	3.253	6.9	21.9
5 11	13 26.02	+ 2 31.2	2.354	3.247	9.8	22.1
5 21	13 21.45	+ 2 52.3	2.430	3.240	12.4	22.2

299939 2006 TP_{42} 4 17.2 245°.88 0°.2/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.18	−13 18.8	2.338	3.150	12.1	21.5
3 22	13 59.13	−12 53.7	2.249	3.147	9.3	21.3
4 1	13 53.33	−12 17.9	2.184	3.144	6.0	21.1
4 11	13 46.34	−11 34.2	2.145	3.142	2.4	20.8
4 21	13 38.86	−10 46.3	2.136	3.139	1.4	20.7
5 1	13 31.67	− 9 58.7	2.155	3.136	5.1	21.0
5 11	13 25.49	− 9 16.3	2.201	3.133	8.5	21.2
5 21	13 20.86	− 8 42.8	2.271	3.130	11.5	21.4

86346 1999 XO_{84} 4 17.2 98°.97 3°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.26	− 5 44.2	1.348	2.197	17.3	18.7
3 22	14 4.72	− 4 56.9	1.285	2.205	13.1	18.4
4 1	13 57.31	− 4 0.4	1.243	2.213	8.3	18.2
4 11	13 47.96	− 3 1.9	1.225	2.220	4.0	17.9
4 21	13 37.91	− 2 9.3	1.232	2.227	4.8	18.0
5 1	13 28.54	− 1 30.3	1.265	2.235	9.3	18.3
5 11	13 21.06	− 1 10.1	1.320	2.242	13.8	18.5
5 21	13 16.19	− 1 10.3	1.396	2.249	17.7	18.8

388383 2006 UG_{264} 4 17.2 81°.39 0°.1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.76	−10 4.6	2.367	3.174	12.1	21.4
3 22	14 3.87	−10 13.7	2.299	3.195	9.2	21.2
4 1	13 56.21	−10 16.2	2.256	3.216	5.9	21.1
4 11	13 47.42	−10 14.1	2.241	3.237	2.3	20.9
4 21	13 38.25	−10 9.7	2.255	3.258	1.4	20.8
5 1	13 29.54	−10 5.7	2.300	3.279	5.0	21.1
5 11	13 22.00	−10 5.0	2.372	3.299	8.2	21.3
5 21	13 16.14	−10 9.9	2.469	3.319	11.0	21.6

336373 2008 UG_{47} 4 17.2 218°.24 2°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.53	−20 20.9	2.161	2.950	13.7	21.3
3 22	14 0.39	−20 2.3	2.068	2.946	10.9	21.1
4 1	13 54.25	−19 27.3	1.997	2.943	7.6	20.9
4 11	13 46.74	−18 37.1	1.952	2.939	4.2	20.7
4 21	13 38.63	−17 35.3	1.935	2.935	2.4	20.5
5 1	13 30.85	−16 27.1	1.946	2.931	5.2	20.7
5 11	13 24.23	−15 19.1	1.985	2.926	8.7	20.9
5 21	13 19.37	−14 17.3	2.048	2.922	12.0	21.1

57636 2001 TT_{187} 4 17.2 118°.67 3°.1/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.55	−23 6.8	2.343	3.116	13.3	19.4
3 22	13 59.48	−22 54.5	2.254	3.119	10.7	19.2
4 1	13 53.58	−22 25.7	2.188	3.123	7.7	19.0
4 11	13 46.45	−21 41.3	2.147	3.126	4.7	18.8
4 21	13 38.82	−20 44.0	2.134	3.129	3.1	18.7
5 1	13 31.53	−19 38.6	2.149	3.132	4.9	18.9
5 11	13 25.35	−18 31.1	2.192	3.135	7.9	19.0
5 21	13 20.80	−17 27.1	2.260	3.138	10.9	19.2

64932 2001 YS_{112} 4 17.2 148°.66 7°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.84	+13 55.6	2.832	3.655	9.9	19.5
3 22	13 58.46	+15 20.6	2.780	3.663	8.3	19.4
4 1	13 52.69	+16 38.7	2.754	3.670	7.2	19.4
4 11	13 46.04	+17 44.3	2.756	3.677	7.1	19.4
4 21	13 39.09	+18 32.8	2.784	3.684	8.0	19.4
5 1	13 32.46	+19 1.4	2.837	3.690	9.5	19.5
5 11	13 26.72	+19 9.5	2.914	3.696	11.2	19.7
5 21	13 22.27	+18 58.3	3.010	3.701	12.7	19.8

176576 2002 CE_5 4 17.2 190°.75 3°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.16	−22 2.5	2.701	3.468	11.9	20.6
3 22	14 0.51	−22 9.9	2.606	3.467	9.6	20.4
4 1	13 54.17	−22 4.3	2.533	3.466	6.9	20.2
4 11	13 46.68	−21 46.1	2.487	3.465	4.3	20.1
4 21	13 38.69	−21 16.8	2.470	3.463	3.0	20.0
5 1	13 30.93	−20 39.6	2.481	3.461	4.6	20.1
5 11	13 24.13	−19 58.8	2.521	3.459	7.3	20.2
5 21	13 18.79	−19 18.8	2.586	3.457	9.9	20.4

410376 2007 VE_{198} 4 17.2 131°.52 0°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.06	−15 4.4	1.921	2.727	14.6	22.4
3 22	14 3.83	−14 38.9	1.847	2.741	11.2	22.2
4 1	13 56.41	−13 59.6	1.796	2.754	7.3	22.0
4 11	13 47.55	−13 9.3	1.772	2.767	3.1	21.8
4 21	13 38.19	−12 12.7	1.775	2.778	1.6	21.7
5 1	13 29.34	−11 15.8	1.808	2.790	5.7	22.0
5 11	13 21.92	−10 24.7	1.867	2.800	9.7	22.2
5 21	13 16.50	− 9 44.0	1.949	2.810	13.1	22.5

297580 2001 SN_7 4 17.2 179°.73 1°.8/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.94	− 9 18.2	1.664	2.494	15.4	21.6
3 22	14 4.12	− 8 32.1	1.586	2.496	11.7	21.4
4 1	13 56.81	− 7 34.0	1.530	2.497	7.4	21.1
4 11	13 47.78	− 6 29.2	1.500	2.497	3.0	20.9
4 21	13 38.05	− 5 24.3	1.498	2.497	3.1	20.9
5 1	13 28.80	− 4 26.8	1.522	2.496	7.6	21.1
5 11	13 21.09	− 3 42.8	1.572	2.495	11.9	21.4
5 21	13 15.63	− 3 16.0	1.644	2.493	15.6	21.6

460413 2014 SW_{123} 4 17.2 305°.31 2°.9/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.51	− 7 52.3	1.301	2.156	17.4	21.2
3 22	14 1.54	− 7 2.6	1.217	2.141	13.3	20.9
4 1	13 55.61	− 5 58.7	1.154	2.126	8.5	20.5
4 11	13 47.45	− 4 47.0	1.114	2.111	3.8	20.2
4 21	13 38.21	− 3 36.2	1.098	2.096	4.5	20.2
5 1	13 29.33	− 2 36.2	1.107	2.082	9.6	20.4
5 11	13 22.18	− 1 55.1	1.137	2.068	14.7	20.7
5 21	13 17.67	− 1 37.2	1.187	2.054	19.2	20.9

435959 2009 DA_{40} 4 17.2 103°.31 0°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.00	−10 59.0	2.268	3.080	12.4	21.1
3 22	14 1.99	−10 55.5	2.189	3.088	9.5	20.9
4 1	13 55.14	−10 44.1	2.135	3.096	6.1	20.7
4 11	13 47.06	−10 27.1	2.107	3.104	2.4	20.4
4 21	13 38.51	−10 7.3	2.109	3.112	1.5	20.4
5 1	13 30.32	− 9 48.4	2.139	3.119	5.2	20.7
5 11	13 23.27	− 9 34.0	2.197	3.127	8.6	20.9
5 21	13 17.88	− 9 26.8	2.279	3.134	11.6	21.1

397587 2007 VB_7 4 17.2 206°.85 2°.1/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.67	−18 53.8	2.078	2.866	14.3	22.1
3 22	14 4.43	−18 42.6	1.981	2.859	11.3	21.9
4 1	13 56.95	−18 15.6	1.905	2.853	7.8	21.6
4 11	13 47.85	−17 33.9	1.856	2.845	4.1	21.4
4 21	13 38.02	−16 40.6	1.835	2.836	2.3	21.2
5 1	13 28.48	−15 40.7	1.843	2.826	5.5	21.4
5 11	13 20.22	−14 41.1	1.879	2.816	9.4	21.6
5 21	13 13.92	−13 47.5	1.939	2.805	12.9	21.8

233491 2007 CL_5 4 17.2 354°.44 7°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.93	−23 25.1	1.132	1.950	21.9	20.6
3 22	14 4.89	−24 27.4	1.059	1.947	18.1	20.3
4 1	13 58.14	−25 6.1	1.002	1.944	13.7	20.0
4 11	13 48.55	−25 17.0	0.966	1.942	9.4	19.8
4 21	13 37.55	−24 59.3	0.951	1.941	7.1	19.7
5 1	13 27.07	−24 18.0	0.958	1.941	9.3	19.8
5 11	13 18.87	−23 23.7	0.987	1.942	13.7	20.0
5 21	13 14.05	−22 28.2	1.035	1.943	18.1	20.3

349784 2009 BA_{54} 4 17.2 322°.34 4°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.20	−22 59.5	2.092	2.868	14.5	20.8
3 22	14 1.85	−23 22.1	2.000	2.865	11.9	20.6
4 1	13 55.31	−23 28.7	1.929	2.862	8.8	20.4
4 11	13 47.21	−23 18.6	1.884	2.859	5.7	20.2
4 21	13 38.40	−22 53.2	1.865	2.856	4.1	20.1
5 1	13 29.89	−22 16.1	1.874	2.853	5.8	20.2
5 11	13 22.60	−21 32.9	1.909	2.851	8.9	20.4
5 21	13 17.23	−20 49.6	1.968	2.849	12.1	20.6

316406 2010 TJ_{81} 4 17.2 267°.12 2°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.01	−18 37.3	1.645	2.455	16.4	20.6
3 22	14 2.24	−18 17.6	1.549	2.442	13.1	20.4
4 1	13 55.84	−17 37.9	1.475	2.429	9.0	20.1
4 11	13 47.49	−16 39.7	1.424	2.415	4.5	19.8
4 21	13 38.22	−15 27.4	1.399	2.401	2.3	19.6
5 1	13 29.24	−14 8.2	1.401	2.387	6.5	19.8
5 11	13 21.74	−12 51.4	1.429	2.373	11.2	20.0
5 21	13 16.56	−11 44.9	1.479	2.359	15.4	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
381171 2007 HY_{97}			4 17.2 285°.00	9°.5/ 8.5 17		
	h m	° ′			°	m
3 12	14 7.94	+13 55.9	1.871	2.704	13.8	20.2
3 22	14 3.20	+15 7.4	1.798	2.689	11.7	20.0
4 1	13 56.17	+16 10.2	1.747	2.673	10.0	19.9
4 11	13 47.54	+16 55.6	1.721	2.657	9.6	19.8
4 21	13 38.23	+17 16.8	1.720	2.641	10.8	19.9
5 1	13 29.29	+17 9.6	1.742	2.626	13.0	20.0
5 11	13 21.72	+16 33.9	1.786	2.610	15.6	20.1
5 21	13 16.18	+15 32.5	1.849	2.594	18.0	20.2
192416 1997 MA_{1}			4 17.2 285°.07	21°.1/ 5.3 17		
3 12	14 23.08	+30 18.8	1.073	1.880	23.5	19.7
3 22	14 16.45	+31 57.1	1.029	1.872	22.1	19.6
4 1	14 5.37	+33 0.7	1.000	1.864	21.2	19.5
4 11	13 51.23	+33 11.9	0.988	1.856	21.3	19.5
4 21	13 36.11	+32 20.6	0.992	1.848	22.4	19.5
5 1	13 22.31	+30 26.3	1.012	1.841	24.3	19.6
5 11	13 11.66	+27 38.9	1.048	1.833	26.5	19.7
5 21	13 4.98	+24 13.2	1.097	1.826	28.7	19.9
429730 2011 KQ_{43}			4 17.2 320°.00	2°.4/15.3 17		
3 12	14 2.88	− 7 23.0	1.654	2.499	14.8	21.1
3 22	13 59.67	− 6 41.5	1.566	2.484	11.2	20.8
4 1	13 54.08	− 5 49.7	1.500	2.470	7.2	20.6
4 11	13 46.78	− 4 52.8	1.459	2.456	3.2	20.3
4 21	13 38.69	− 3 57.2	1.445	2.443	3.7	20.3
5 1	13 30.90	− 3 10.0	1.457	2.430	8.0	20.5
5 11	13 24.47	− 2 37.2	1.492	2.417	12.2	20.7
5 21	13 20.12	− 2 22.1	1.549	2.406	16.0	20.9
9868 1991 VP_{1}			4 17.2 110°.70	3°.5/14.6 18		
3 12	14 9.53	− 5 15.5	1.507	2.350	16.1	18.1
3 22	14 4.59	− 4 19.7	1.446	2.363	12.1	17.9
4 1	13 57.07	− 3 16.0	1.408	2.376	7.8	17.7
4 11	13 47.87	− 2 11.4	1.394	2.389	4.0	17.5
4 21	13 38.11	− 1 13.6	1.408	2.401	4.8	17.6
5 1	13 29.03	− 0 29.7	1.447	2.413	8.8	17.8
5 11	13 21.68	− 0 4.2	1.511	2.424	12.9	18.1
5 21	13 16.70	+ 0 1.3	1.595	2.435	16.5	18.3
461677 2005 JN_{100}			4 17.2 339°.41	3°.0/14.9 17		
3 12	14 1.25	− 8 34.2	1.302	2.162	17.1	20.9
3 22	13 58.90	− 7 26.3	1.227	2.153	13.0	20.6
4 1	13 53.79	− 6 2.5	1.173	2.146	8.2	20.3
4 11	13 46.70	− 4 30.6	1.142	2.139	3.7	20.0
4 21	13 38.76	− 3 0.6	1.135	2.133	4.6	20.0
5 1	13 31.28	− 1 43.3	1.153	2.127	9.5	20.3
5 11	13 25.49	− 0 47.1	1.194	2.123	14.3	20.5
5 21	13 22.17	− 0 16.2	1.253	2.119	18.5	20.8
159976 2006 BC_{154}			4 17.2 238°.42	0°.4/17.6 18		
3 12	14 6.31	−13 30.9	2.059	2.872	13.5	20.7
3 22	14 1.82	−13 16.4	1.967	2.865	10.4	20.5
4 1	13 55.24	−12 50.4	1.898	2.858	6.8	20.3
4 11	13 47.18	−12 15.0	1.854	2.850	2.8	20.0
4 21	13 38.47	−11 34.0	1.839	2.843	1.5	19.9
5 1	13 30.04	−10 52.3	1.853	2.835	5.6	20.2
5 11	13 22.79	−10 15.1	1.893	2.827	9.5	20.4
5 21	13 17.38	− 9 46.7	1.956	2.819	13.0	20.6
108836 2001 OE_{86}			4 17.2 183°.53	4°.0/12.9 17		
3 12	14 6.91	− 0 30.7	2.384	3.213	11.4	20.6
3 22	14 1.82	+ 0 31.5	2.306	3.214	8.7	20.4
4 1	13 55.00	+ 1 36.6	2.253	3.214	5.9	20.3
4 11	13 47.02	+ 2 39.0	2.229	3.213	4.0	20.1
4 21	13 38.60	+ 3 33.6	2.233	3.211	4.9	20.2
5 1	13 30.51	+ 4 15.6	2.267	3.209	7.6	20.4
5 11	13 23.47	+ 4 41.9	2.326	3.206	10.4	20.5
5 21	13 18.00	+ 4 51.5	2.409	3.202	13.0	20.7
465384 2008 FB_{15}			4 17.2 72°.00	4°.5/13.0 18		
3 12	14 4.06	− 4 42.4	1.574	2.424	15.1	21.1
3 22	14 0.30	− 3 1.2	1.517	2.438	11.3	20.9
4 1	13 54.27	− 1 11.4	1.483	2.452	7.4	20.7
4 11	13 46.76	+ 0 37.7	1.475	2.466	4.6	20.6
4 21	13 38.79	+ 2 16.2	1.495	2.480	5.9	20.7
5 1	13 31.43	+ 3 35.6	1.540	2.494	9.5	20.9
5 11	13 25.59	+ 4 30.6	1.609	2.508	13.2	21.2
5 21	13 21.84	+ 5 0.1	1.699	2.521	16.4	21.4
116927 2004 GA_{27}			4 17.2 270°.59	1°.9/14.9 18		
3 12	14 1.78	− 8 21.2	2.493	3.318	11.1	20.1
3 22	13 58.05	− 7 13.8	2.389	3.298	8.4	19.9
4 1	13 52.68	− 5 56.6	2.311	3.277	5.3	19.6
4 11	13 46.16	− 4 33.9	2.261	3.256	2.4	19.4
4 21	13 39.10	− 3 11.2	2.240	3.235	3.0	19.4
5 1	13 32.23	− 1 54.4	2.249	3.214	6.2	19.6
5 11	13 26.23	− 0 48.7	2.284	3.192	9.4	19.7
5 21	13 21.63	+ 0 2.2	2.344	3.170	12.3	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
185588 2008 BH_{26}			4 17.2 258°.04	5°.2/11.6 17		
	h m	° ′			°	m
3 12	14 4.30	+ 4 36.1	2.389	3.225	11.1	20.1
3 22	13 59.92	+ 5 29.0	2.308	3.215	8.7	19.9
4 1	13 53.84	+ 6 20.9	2.252	3.205	6.4	19.8
4 11	13 46.59	+ 7 6.2	2.223	3.195	5.2	19.7
4 21	13 38.87	+ 7 40.0	2.221	3.185	6.2	19.7
5 1	13 31.42	+ 7 58.5	2.247	3.174	8.5	19.9
5 11	13 24.96	+ 7 59.7	2.298	3.164	11.1	20.0
5 21	13 20.00	+ 7 43.5	2.371	3.153	13.5	20.1
265693 2005 UQ_{126}			4 17.2 57°.60	0°.9/16.6 18		
3 12	14 7.86	− 9 53.8	1.597	2.431	15.8	21.0
3 22	14 3.23	− 9 37.2	1.536	2.447	12.0	20.8
4 1	13 56.17	− 9 10.4	1.496	2.463	7.6	20.6
4 11	13 47.52	− 8 37.4	1.482	2.479	2.9	20.3
4 21	13 38.35	− 8 3.2	1.494	2.495	2.3	20.3
5 1	13 29.81	− 7 33.5	1.532	2.512	6.9	20.6
5 11	13 22.88	− 7 13.2	1.596	2.529	11.0	20.9
5 21	13 18.19	− 7 5.4	1.682	2.546	14.6	21.2
148698 2001 SA_{264}			4 17.3 112°.91	9°.9/27.9 17		
3 12	14 8.35	−40 25.4	1.925	2.605	18.6	19.6
3 22	14 4.08	−40 55.1	1.839	2.610	16.6	19.4
4 1	13 57.00	−40 55.5	1.769	2.614	14.2	19.2
4 11	13 47.94	−40 22.6	1.720	2.619	11.9	19.1
4 21	13 38.08	−39 15.7	1.692	2.624	10.3	19.0
5 1	13 28.77	−37 38.6	1.689	2.629	9.9	19.0
5 11	13 21.23	−35 40.7	1.711	2.633	11.2	19.1
5 21	13 16.22	−33 33.1	1.757	2.637	13.3	19.2
38536 1999 UT_{42}			4 17.3 182°.14	3°.2/20.6 18		
3 12	14 5.54	−22 18.0	2.614	3.381	12.2	19.4
3 22	14 0.89	−22 33.2	2.520	3.381	9.9	19.2
4 1	13 54.48	−22 35.4	2.450	3.381	7.2	19.0
4 11	13 46.87	−22 24.6	2.405	3.381	4.6	18.8
4 21	13 38.72	−22 2.2	2.389	3.381	3.2	18.8
5 1	13 30.83	−21 31.0	2.401	3.380	4.8	18.9
5 11	13 23.91	−20 55.4	2.441	3.380	7.4	19.0
5 21	13 18.52	−20 19.8	2.507	3.380	10.1	19.2
45452 2000 AZ_{191}			4 17.3 217°.93	1°.3/18.6 17		
3 12	14 7.53	−18 7.4	2.264	3.053	13.2	20.3
3 22	14 2.63	−17 31.6	2.161	3.043	10.4	20.1
4 1	13 55.72	−16 39.8	2.080	3.031	7.0	19.8
4 11	13 47.39	−15 34.2	2.027	3.019	3.3	19.6
4 21	13 38.41	−14 18.7	2.003	3.006	1.6	19.4
5 1	13 29.70	−12 59.2	2.009	2.992	5.2	19.6
5 11	13 22.11	−11 42.4	2.043	2.977	8.9	19.8
5 21	13 16.26	−10 34.3	2.102	2.961	12.3	20.0
230639 2003 QJ_{55}			4 17.3 224°.05	3°.9/13.5 18		
3 12	14 4.92	− 1 56.4	2.069	2.907	12.5	20.0
3 22	14 0.62	− 1 1.5	1.989	2.903	9.5	19.8
4 1	13 54.39	− 0 2.5	1.934	2.899	6.3	19.6
4 11	13 46.84	+ 0 55.1	1.906	2.894	4.0	19.5
4 21	13 38.76	+ 1 45.4	1.905	2.890	4.9	19.5
5 1	13 31.02	+ 2 23.2	1.932	2.885	7.9	19.7
5 11	13 24.43	+ 2 44.8	1.985	2.880	11.2	19.9
5 21	13 19.56	+ 2 49.1	2.059	2.875	14.1	20.1
384075 2008 VX_{14}			4 17.3 186°.58	1°.2/18.4 17		
3 12	14 5.78	−16 16.8	2.290	3.089	12.8	22.1
3 22	14 1.19	−16 0.3	2.200	3.089	9.9	21.9
4 1	13 54.72	−15 31.3	2.134	3.088	6.6	21.7
4 11	13 46.97	−14 51.7	2.094	3.087	3.1	21.5
4 21	13 38.68	−14 4.7	2.083	3.086	1.5	21.3
5 1	13 30.71	−13 15.1	2.101	3.084	5.0	21.6
5 11	13 23.83	−12 28.0	2.146	3.082	8.5	21.8
5 21	13 18.61	−11 47.9	2.216	3.080	11.6	22.0
102601 1999 VD_{5}			4 17.3 184°.20	0°.8/16.6 18		
3 12	14 9.28	−10 21.2	2.053	2.868	13.4	20.1
3 22	14 3.98	− 9 54.7	1.967	2.869	10.3	19.9
4 1	13 56.58	− 9 18.6	1.905	2.869	6.5	19.7
4 11	13 47.71	− 8 36.0	1.871	2.868	2.5	19.4
4 21	13 38.24	− 7 51.4	1.865	2.866	2.1	19.4
5 1	13 29.14	− 7 10.0	1.888	2.864	6.1	19.6
5 11	13 21.30	− 6 36.6	1.937	2.861	9.9	19.9
5 21	13 15.35	− 6 14.7	2.011	2.858	13.3	20.1
425685 2011 AJ_{48}			4 17.3 226°.56	3°.1/19.9 17		
3 12	14 9.54	−21 9.7	2.243	3.016	13.8	21.3
3 22	14 4.32	−21 13.5	2.136	3.003	11.1	21.1
4 1	13 56.91	−21 2.1	2.052	2.990	8.0	20.9
4 11	13 47.89	−20 35.3	1.994	2.976	4.7	20.7
4 21	13 38.10	−19 55.1	1.964	2.961	3.1	20.5
5 1	13 28.50	−19 5.3	1.964	2.945	5.4	20.7
5 11	13 20.06	−18 11.8	1.991	2.929	8.9	20.8
5 21	13 13.47	−17 20.6	2.043	2.911	12.2	21.0

175989 2000 QG_{94} 4 17.3 123°.11 5°.4/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.90	−31 27.3	2.880	3.586	12.5	20.7
3 22	14 2.56	−31 53.2	2.796	3.601	10.6	20.6
4 1	13 55.49	−32 2.6	2.733	3.616	8.5	20.5
4 11	13 47.24	−31 54.7	2.695	3.630	6.6	20.4
4 21	13 38.54	−31 29.8	2.684	3.644	5.4	20.3
5 1	13 30.16	−30 50.6	2.701	3.658	5.8	20.3
5 11	13 22.82	−30 1.6	2.746	3.671	7.3	20.5
5 21	13 17.06	−29 8.0	2.817	3.683	9.3	20.6

185327 2006 VP_{21} 4 17.3 260°.50 0°.7/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.42	− 9 58.5	2.298	3.118	12.0	21.2
3 22	14 0.14	− 9 37.5	2.208	3.112	9.2	21.0
4 1	13 54.06	− 9 8.4	2.142	3.106	5.8	20.8
4 11	13 46.73	− 8 33.9	2.103	3.100	2.2	20.5
4 21	13 38.86	− 7 57.9	2.092	3.094	1.8	20.5
5 1	13 31.25	− 7 24.6	2.110	3.087	5.5	20.7
5 11	13 24.68	− 6 58.1	2.155	3.081	9.0	20.9
5 21	13 19.69	− 6 41.3	2.223	3.075	12.0	21.1

423629 2005 WB_{177} 4 17.3 109°.10 0°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.10	−12 24.6	2.051	2.864	13.6	22.0
3 22	14 2.94	−12 3.5	1.982	2.881	10.3	21.8
4 1	13 55.80	−11 31.9	1.936	2.897	6.6	21.6
4 11	13 47.37	−10 52.7	1.917	2.913	2.6	21.4
4 21	13 38.51	−10 10.2	1.926	2.929	1.6	21.4
5 1	13 30.13	− 9 29.4	1.964	2.944	5.6	21.7
5 11	13 23.07	− 8 54.9	2.029	2.959	9.2	21.9
5 21	13 17.85	− 8 30.3	2.118	2.974	12.4	22.1

275904 2001 TV_{102} 4 17.3 180°.54 4°.8/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.65	−27 13.6	2.296	3.041	14.3	21.6
3 22	14 3.56	−27 22.6	2.202	3.042	11.9	21.5
4 1	13 56.34	−27 13.0	2.129	3.043	9.1	21.3
4 11	13 47.65	−26 44.1	2.081	3.043	6.4	21.1
4 21	13 38.31	−25 57.4	2.060	3.043	4.8	21.0
5 1	13 29.31	−24 56.7	2.068	3.042	5.9	21.1
5 11	13 21.55	−23 48.4	2.103	3.040	8.5	21.2
5 21	13 15.66	−22 39.4	2.163	3.038	11.4	21.4

504514 2008 QC_{32} 4 17.3 206°.56 1°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.70	−19 0.4	2.476	3.260	12.3	21.9
3 22	14 1.06	−18 37.0	2.377	3.254	9.7	21.7
4 1	13 54.62	−17 59.5	2.301	3.248	6.7	21.5
4 11	13 46.95	−17 9.5	2.252	3.241	3.4	21.3
4 21	13 38.74	−16 10.1	2.233	3.234	1.9	21.1
5 1	13 30.79	−15 6.1	2.243	3.226	4.7	21.3
5 11	13 23.87	−14 2.9	2.281	3.218	8.0	21.5
5 21	13 18.51	−13 5.6	2.345	3.209	11.0	21.7

186616 2003 EL_{39} 4 17.3 40°.72 8°.9/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.67	+11 47.6	1.811	2.657	13.7	19.7
3 22	13 59.69	+13 16.6	1.774	2.675	11.2	19.6
4 1	13 53.73	+14 36.2	1.760	2.694	9.4	19.5
4 11	13 46.54	+15 37.9	1.771	2.713	9.0	19.5
4 21	13 39.04	+16 15.8	1.806	2.732	10.1	19.6
5 1	13 32.14	+16 26.8	1.865	2.752	12.1	19.8
5 11	13 26.61	+16 11.2	1.946	2.773	14.3	20.0
5 21	13 22.93	+15 32.1	2.045	2.793	16.4	20.2

299869 2006 SA_{290} 4 17.3 200°.91 9°.0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.22	+19 40.3	2.625	3.437	10.9	20.6
3 22	13 59.01	+21 29.0	2.573	3.434	9.7	20.5
4 1	13 53.21	+23 7.4	2.547	3.431	9.0	20.4
4 11	13 46.36	+24 28.4	2.547	3.428	9.3	20.4
4 21	13 39.11	+25 27.0	2.572	3.424	10.3	20.5
5 1	13 32.16	+25 59.9	2.620	3.420	11.7	20.6
5 11	13 26.18	+26 7.2	2.688	3.415	13.3	20.7
5 21	13 21.62	+25 50.6	2.774	3.411	14.7	20.8

110466 2001 TZ_{51} 4 17.3 164°.00 2°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.89	− 5 44.1	2.233	3.056	12.2	20.8
3 22	14 2.68	− 5 6.3	2.155	3.061	9.2	20.6
4 1	13 55.62	− 4 22.7	2.102	3.066	5.9	20.4
4 11	13 47.31	− 3 37.5	2.076	3.071	2.8	20.2
4 21	13 38.55	− 2 55.4	2.080	3.075	3.2	20.2
5 1	13 30.16	− 2 20.8	2.112	3.078	6.5	20.5
5 11	13 22.92	− 1 57.4	2.172	3.080	9.8	20.7
5 21	13 17.37	− 1 47.2	2.254	3.082	12.7	20.9

506350 2017 OS_{56} 4 17.3 149°.90 2°.6/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.21	− 5 26.4	2.189	3.019	12.2	21.7
3 22	14 0.68	− 4 34.8	2.114	3.024	9.2	21.5
4 1	13 54.34	− 3 37.0	2.064	3.030	5.9	21.3
4 11	13 46.82	− 2 37.8	2.041	3.035	3.0	21.2
4 21	13 38.85	− 1 42.7	2.047	3.040	3.6	21.2
5 1	13 31.26	− 0 56.8	2.082	3.044	6.8	21.4
5 11	13 24.80	− 0 23.8	2.142	3.049	10.0	21.6
5 21	13 19.99	− 0 5.9	2.226	3.052	12.9	21.8

227265 2005 SS_{119} 4 17.3 134°.60 2°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.10	−18 15.3	2.007	2.800	14.5	21.7
3 22	14 3.93	−18 16.1	1.927	2.809	11.4	21.5
4 1	13 56.58	−18 2.3	1.869	2.818	7.9	21.3
4 11	13 47.73	−17 35.1	1.838	2.827	4.1	21.1
4 21	13 38.31	−16 57.4	1.834	2.835	2.3	20.9
5 1	13 29.32	−16 14.0	1.859	2.843	5.4	21.2
5 11	13 21.68	−15 30.7	1.910	2.850	9.1	21.4
5 21	13 16.03	−14 52.8	1.986	2.857	12.4	21.6

28952 Ericepstein 4 17.3 81°.36 0°.6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.14	−14 47.9	1.507	2.330	17.1	18.5
3 22	14 4.36	−14 23.4	1.446	2.349	13.1	18.3
4 1	13 56.98	−13 42.6	1.407	2.368	8.5	18.1
4 11	13 47.88	−12 49.3	1.392	2.388	3.5	17.8
4 21	13 38.26	−11 49.5	1.403	2.406	1.8	17.8
5 1	13 29.35	−10 50.6	1.441	2.425	6.7	18.1
5 11	13 22.22	−10 0.0	1.504	2.444	11.1	18.4
5 21	13 17.50	− 9 22.7	1.590	2.462	14.9	18.7

224273 2005 TW_{43} 4 17.3 177°.80 0°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.72	− 8 54.7	2.289	3.100	12.3	21.8
3 22	14 4.10	− 8 41.2	2.203	3.103	9.4	21.6
4 1	13 56.56	− 8 20.7	2.142	3.104	6.0	21.4
4 11	13 47.71	− 7 55.9	2.108	3.105	2.3	21.1
4 21	13 38.32	− 7 30.3	2.104	3.105	2.0	21.1
5 1	13 29.27	− 7 7.6	2.130	3.105	5.6	21.4
5 11	13 21.36	− 6 51.6	2.183	3.104	9.1	21.6
5 21	13 15.17	− 6 44.7	2.260	3.102	12.2	21.8

278708 2008 SQ_{27} 4 17.3 268°.00 0°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.87	−14 0.7	1.927	2.740	14.3	21.3
3 22	14 2.43	−13 56.9	1.836	2.734	11.1	21.1
4 1	13 55.75	−13 41.3	1.768	2.728	7.3	20.8
4 11	13 47.46	−13 15.5	1.726	2.721	3.2	20.6
4 21	13 38.46	−12 43.1	1.711	2.715	1.6	20.4
5 1	13 29.75	−12 8.6	1.725	2.708	5.8	20.7
5 11	13 22.32	−11 37.6	1.764	2.702	9.9	20.9
5 21	13 16.86	−11 14.4	1.826	2.695	13.4	21.1

437719 2014 DH_{105} 4 17.3 145°.26 2°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.37	− 5 52.6	2.683	3.507	10.4	21.9
3 22	13 58.97	− 5 3.2	2.608	3.515	7.8	21.8
4 1	13 53.11	− 4 8.6	2.558	3.523	4.9	21.6
4 11	13 46.33	− 3 12.7	2.536	3.531	2.4	21.4
4 21	13 39.20	− 2 19.8	2.545	3.538	2.9	21.5
5 1	13 32.39	− 1 33.9	2.582	3.545	5.6	21.7
5 11	13 26.48	− 0 58.4	2.647	3.551	8.4	21.8
5 21	13 21.90	− 0 35.3	2.736	3.557	10.9	22.0

211875 2004 HY_{36} 4 17.3 290°.54 10°.0/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.97	+20 11.4	2.286	3.093	12.5	20.0
3 22	14 3.73	+21 16.5	2.206	3.067	11.1	19.8
4 1	13 56.45	+22 9.9	2.149	3.040	10.1	19.7
4 11	13 47.72	+22 44.0	2.116	3.014	10.1	19.7
4 21	13 38.34	+22 53.4	2.108	2.987	11.1	19.7
5 1	13 29.26	+22 34.7	2.123	2.960	12.9	19.7
5 11	13 21.32	+21 48.4	2.160	2.933	14.8	19.8
5 21	13 15.17	+20 37.1	2.215	2.906	16.8	19.9

122509 2000 QS_{199} 4 17.3 131°.42 4°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.20	−23 50.2	2.141	2.902	14.7	20.1
3 22	14 5.55	−24 20.3	2.058	2.913	12.0	19.9
4 1	13 57.65	−24 34.3	1.998	2.923	8.9	19.7
4 11	13 48.19	−24 31.1	1.963	2.933	6.0	19.6
4 21	13 38.08	−24 11.8	1.955	2.943	4.4	19.5
5 1	13 28.37	−23 39.7	1.976	2.952	5.9	19.6
5 11	13 20.01	−23 0.6	2.023	2.961	8.8	19.8
5 21	13 13.67	−22 20.2	2.096	2.969	11.8	20.0

248986 2007 EX_{147} 4 17.3 259°.56 3°.5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 55.89	+ 6 53.2	4.592	5.421	6.3	20.1
3 22	13 52.86	+ 7 55.1	4.515	5.415	5.0	20.0
4 1	13 49.04	+ 8 55.7	4.466	5.408	3.9	19.9
4 11	13 44.71	+ 9 51.8	4.446	5.402	3.5	19.8
4 21	13 40.16	+10 40.9	4.456	5.396	4.1	19.9
5 1	13 35.75	+11 20.7	4.494	5.390	5.4	20.0
5 11	13 31.77	+11 49.8	4.558	5.384	6.7	20.1
5 21	13 28.50	+12 7.7	4.645	5.377	8.0	20.2

105233 2000 PL_{12} 4 17.3 234°.47 6°.7/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.06	+ 6 54.6	2.210	3.045	11.9	19.8
3 22	14 1.46	+ 8 16.3	2.129	3.032	9.5	19.6
4 1	13 54.95	+ 9 36.6	2.073	3.018	7.4	19.4
4 11	13 47.12	+10 48.3	2.045	3.004	6.7	19.3
4 21	13 38.72	+11 44.8	2.044	2.990	7.8	19.4
5 1	13 30.60	+12 21.0	2.069	2.975	10.2	19.5
5 11	13 23.56	+12 34.6	2.118	2.959	12.8	19.6
5 21	13 18.18	+12 25.9	2.187	2.943	15.3	19.8

45604 2000 DH_{24} 4 17.3 263°.20 6°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.86	−28 38.1	2.183	2.923	15.1	18.9
3 22	14 4.07	−29 23.0	2.082	2.914	12.8	18.7
4 1	13 56.92	−29 50.4	2.002	2.905	10.2	18.5
4 11	13 47.99	−29 57.7	1.945	2.896	7.7	18.3
4 21	13 38.17	−29 44.3	1.915	2.886	6.3	18.2
5 1	13 28.53	−29 12.6	1.912	2.877	7.1	18.2
5 11	13 20.14	−28 27.8	1.934	2.867	9.4	18.3
5 21	13 13.76	−27 36.8	1.981	2.857	12.2	18.5

357107 2001 UG_{8} 4 17.3 98°.07 1°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.11	− 7 57.2	1.530	2.360	16.5	20.7
3 22	14 7.25	− 7 33.9	1.472	2.382	12.5	20.5
4 1	13 58.76	− 7 1.8	1.436	2.403	7.9	20.2
4 11	13 48.59	− 6 25.7	1.426	2.423	3.2	20.0
4 21	13 37.92	− 5 51.0	1.443	2.443	3.1	20.0
5 1	13 28.02	− 5 23.6	1.487	2.463	7.6	20.4
5 11	13 19.96	− 5 8.1	1.556	2.482	11.8	20.7
5 21	13 14.36	− 5 6.7	1.647	2.500	15.4	20.9

318546 2005 GG_{7} 4 17.3 342°.04 2°.9/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.97	− 9 6.2	1.147	2.016	18.2	20.2
3 22	13 57.55	− 8 5.6	1.072	2.004	13.9	19.9
4 1	13 53.17	− 6 46.9	1.017	1.992	8.8	19.5
4 11	13 46.60	− 5 18.1	0.984	1.981	3.8	19.2
4 21	13 39.03	− 3 49.6	0.973	1.972	4.6	19.2
5 1	13 31.92	− 2 33.5	0.986	1.964	9.9	19.5
5 11	13 26.62	− 1 39.3	1.020	1.958	15.2	19.7
5 21	13 23.98	− 1 11.8	1.071	1.953	19.8	20.0

506357 2017 QF_{4} 4 17.3 198°.24 1°.9/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.73	−18 35.2	2.163	2.953	13.7	22.5
3 22	14 2.87	−18 21.1	2.069	2.950	10.8	22.3
4 1	13 55.93	−17 52.0	1.998	2.946	7.4	22.1
4 11	13 47.54	−17 9.4	1.953	2.942	3.8	21.9
4 21	13 38.51	−16 16.4	1.936	2.937	2.1	21.7
5 1	13 29.80	−15 18.0	1.949	2.932	5.2	21.9
5 11	13 22.28	−14 20.4	1.988	2.926	8.9	22.1
5 21	13 16.59	−13 29.1	2.052	2.920	12.2	22.3

147905 2006 SV_{63} 4 17.3 189°.84 2°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.36	− 1 51.8	2.958	3.775	9.7	20.6
3 22	14 1.89	− 1 34.1	2.871	3.773	7.4	20.4
4 1	13 54.97	− 1 14.8	2.810	3.772	4.8	20.2
4 11	13 47.08	− 0 57.0	2.779	3.769	2.7	20.1
4 21	13 38.81	− 0 43.4	2.777	3.767	3.2	20.1
5 1	13 30.78	− 0 36.7	2.806	3.763	5.6	20.3
5 11	13 23.59	− 0 38.7	2.863	3.760	8.1	20.4
5 21	13 17.70	− 0 50.4	2.945	3.756	10.5	20.6

296530 2009 OV_{9} 4 17.3 207°.77 0°.3/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.13	−14 16.5	2.339	3.140	12.4	22.7
3 22	14 2.23	−13 45.0	2.241	3.133	9.6	22.5
4 1	13 55.44	−13 1.4	2.168	3.126	6.3	22.2
4 11	13 47.33	−12 8.3	2.123	3.118	2.6	22.0
4 21	13 38.65	−11 9.6	2.106	3.109	1.4	21.9
5 1	13 30.23	−10 10.4	2.119	3.100	5.2	22.1
5 11	13 22.89	− 9 16.2	2.160	3.089	8.8	22.3
5 21	13 17.18	− 8 31.3	2.226	3.079	12.0	22.5

425877 2011 FP_{19} 4 17.3 88°.97 3°.7/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.74	− 4 39.7	1.861	2.703	13.5	20.6
3 22	13 59.85	− 3 21.4	1.794	2.711	10.2	20.4
4 1	13 53.95	− 1 55.8	1.751	2.718	6.6	20.2
4 11	13 46.73	− 0 29.9	1.734	2.726	3.8	20.0
4 21	13 39.04	+ 0 48.9	1.745	2.733	4.9	20.1
5 1	13 31.81	+ 1 53.8	1.784	2.740	8.2	20.3
5 11	13 25.86	+ 2 40.0	1.847	2.748	11.6	20.5
5 21	13 21.75	+ 3 5.7	1.932	2.755	14.7	20.8

160415 2004 XA_{78} 4 17.3 212°.82 0°.4/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.89	−11 46.5	1.890	2.706	14.4	21.2
3 22	14 4.77	−11 20.9	1.798	2.699	11.1	20.9
4 1	13 57.30	−10 43.3	1.729	2.691	7.2	20.7
4 11	13 48.12	− 9 56.8	1.686	2.682	2.8	20.4
4 21	13 38.18	− 9 6.0	1.671	2.673	1.9	20.3
5 1	13 28.56	− 8 16.9	1.684	2.663	6.5	20.6
5 11	13 20.28	− 7 35.5	1.724	2.653	10.7	20.8
5 21	13 14.06	− 7 6.1	1.787	2.641	14.4	21.0

194895 2002 AR_{95} 4 17.3 89°.29 1°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.94	−15 13.7	1.459	2.283	17.5	20.7
3 22	14 4.50	−15 1.6	1.389	2.292	13.6	20.5
4 1	13 57.27	−14 32.7	1.339	2.300	9.0	20.2
4 11	13 48.12	−13 49.7	1.313	2.308	3.9	20.0
4 21	13 38.22	−12 57.7	1.313	2.316	1.9	19.8
5 1	13 28.93	−12 4.1	1.339	2.324	6.9	20.2
5 11	13 21.43	−11 16.6	1.390	2.332	11.6	20.5
5 21	13 16.46	−10 41.0	1.462	2.340	15.6	20.7

208635 2002 EC_{92} 4 17.3 331°.12 1°.7/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.40	−10 7.3	1.268	2.122	17.8	20.3
3 22	14 0.74	− 9 26.8	1.190	2.112	13.6	20.0
4 1	13 55.14	− 8 30.5	1.132	2.103	8.7	19.7
4 11	13 47.38	− 7 23.8	1.096	2.094	3.4	19.3
4 21	13 38.62	− 6 15.1	1.085	2.086	3.4	19.3
5 1	13 30.31	− 5 13.8	1.098	2.079	8.8	19.6
5 11	13 23.77	− 4 28.6	1.134	2.072	14.0	19.9
5 21	13 19.87	− 4 4.3	1.188	2.067	18.5	20.1

421870 2014 QL_{151} 4 17.3 159°.82 3°.6/14.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.27	− 3 14.5	1.718	2.554	14.7	21.5
3 22	14 5.04	− 2 37.0	1.646	2.559	11.2	21.3
4 1	13 57.40	− 1 54.8	1.597	2.562	7.3	21.1
4 11	13 48.13	− 1 13.4	1.573	2.565	4.0	20.9
4 21	13 38.22	− 0 38.7	1.577	2.568	4.7	20.9
5 1	13 28.82	− 0 16.2	1.608	2.571	8.4	21.2
5 11	13 20.94	− 0 9.2	1.664	2.573	12.2	21.4
5 21	13 15.24	− 0 19.1	1.741	2.574	15.6	21.6

67991 2000 XE_{21} 4 17.3 118°.09 2°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.07	−18 7.0	1.637	2.440	16.8	19.6
3 22	14 5.95	−18 20.1	1.561	2.449	13.3	19.4
4 1	13 58.15	−18 16.9	1.507	2.457	9.2	19.2
4 11	13 48.46	−17 57.8	1.476	2.465	4.9	18.9
4 21	13 38.02	−17 25.7	1.472	2.473	2.9	18.8
5 1	13 28.10	−16 46.0	1.496	2.480	6.4	19.0
5 11	13 19.86	−16 5.7	1.545	2.488	10.6	19.3
5 21	13 14.06	−15 31.0	1.616	2.494	14.4	19.5

509096 2005 US_{419} 4 17.3 232°.52 1°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.49	− 4 21.0	3.126	3.941	9.3	23.3
3 22	14 0.51	− 3 58.7	3.024	3.926	7.0	23.1
4 1	13 54.13	− 3 33.2	2.948	3.911	4.5	22.9
4 11	13 46.79	− 3 7.2	2.902	3.895	2.2	22.7
4 21	13 39.01	− 2 43.5	2.885	3.879	2.6	22.7
5 1	13 31.38	− 2 25.0	2.899	3.862	5.1	22.9
5 11	13 24.50	− 2 14.0	2.942	3.845	7.7	23.0
5 21	13 18.78	− 2 12.3	3.009	3.827	10.1	23.2

322215 2011 AR_{47} 4 17.3 35°.89 0°.1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.83	−12 11.8	2.579	3.394	11.0	20.9
3 22	13 57.17	−11 46.2	2.505	3.405	8.4	20.7
4 1	13 52.03	−11 12.1	2.455	3.417	5.3	20.6
4 11	13 45.95	−10 32.2	2.432	3.429	2.1	20.3
4 21	13 39.53	− 9 50.1	2.438	3.441	1.3	20.3
5 1	13 33.42	− 9 9.6	2.473	3.453	4.6	20.6
5 11	13 28.22	− 8 34.6	2.535	3.465	7.6	20.8
5 21	13 24.36	− 8 7.8	2.621	3.478	10.2	21.0

417629 2006 WF_{181} 4 17.3 181°.00 3°.0/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.83	− 3 47.3	2.091	2.918	12.8	21.9
3 22	14 3.58	− 3 7.3	2.011	2.920	9.7	21.7
4 1	13 56.31	− 2 22.5	1.956	2.920	6.3	21.5
4 11	13 47.67	− 1 37.7	1.928	2.920	3.4	21.3
4 21	13 38.50	− 0 57.9	1.929	2.920	4.0	21.3
5 1	13 29.70	− 0 27.9	1.958	2.919	7.3	21.5
5 11	13 22.13	− 0 11.2	2.013	2.917	10.7	21.7
5 21	13 16.37	− 0 9.3	2.091	2.915	13.7	21.9

335835 2007 LE_{24} 4 17.3 314°.92 1°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.93	−12 25.9	1.619	2.458	15.3	20.7
3 22	13 58.31	−11 19.4	1.526	2.441	11.8	20.5
4 1	13 53.32	− 9 54.6	1.455	2.424	7.5	20.2
4 11	13 46.61	− 8 16.7	1.410	2.408	2.9	19.9
4 21	13 39.09	− 6 33.8	1.391	2.392	2.8	19.8
5 1	13 31.87	− 4 55.8	1.398	2.376	7.6	20.1
5 11	13 26.01	− 3 31.9	1.430	2.361	12.2	20.3
5 21	13 22.23	− 2 28.3	1.484	2.347	16.3	20.5

459627 2013 JC_{3} 4 17.3 32°.79 1°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.29	−12 26.3	1.214	2.055	19.3	20.8
3 22	14 6.02	−12 47.2	1.150	2.063	14.9	20.5
4 1	13 58.49	−12 54.7	1.106	2.071	9.8	20.2
4 11	13 48.66	−12 50.5	1.083	2.080	4.2	19.9
4 21	13 37.92	−12 38.3	1.086	2.089	2.1	19.8
5 1	13 27.88	−12 23.7	1.112	2.099	7.7	20.2
5 11	13 19.97	−12 13.4	1.162	2.109	12.8	20.5
5 21	13 15.00	−12 12.2	1.232	2.120	17.2	20.8

171966 2001 TH_{93} 4 17.3 142°.93 2°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.14	−20 8.0	2.588	3.368	12.0	20.4
3 22	13 59.75	−19 47.9	2.502	3.375	9.5	20.3
4 1	13 53.73	−19 14.3	2.439	3.382	6.6	20.1
4 11	13 46.63	−18 28.6	2.402	3.388	3.6	19.9
4 21	13 39.12	−17 33.8	2.395	3.395	2.1	19.8
5 1	13 31.94	−16 34.3	2.417	3.400	4.4	20.0
5 11	13 25.74	−15 35.2	2.467	3.406	7.4	20.2
5 21	13 21.01	−14 40.9	2.543	3.411	10.1	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
267204 2000 SQ_{135}			4 17.3 148°.24	5°.1/21.5 17		
	h m	° ′			°	m
3 12	14 11.10	−25 9.3	2.090	2.848	15.2	20.8
3 22	14 5.66	−25 47.7	2.003	2.853	12.5	20.6
4 1	13 57.84	−26 9.3	1.938	2.858	9.5	20.4
4 11	13 48.34	−26 12.5	1.897	2.862	6.6	20.3
4 21	13 38.08	−25 57.7	1.883	2.866	5.1	20.2
5 1	13 28.17	−25 27.8	1.897	2.870	6.4	20.3
5 11	13 19.62	−24 48.6	1.938	2.874	9.2	20.4
5 21	13 13.16	−24 6.6	2.003	2.877	12.2	20.6
431933 2008 TE_{145}			4 17.3 133°.58	0°.8/16.6 17		
3 12	14 5.74	−10 34.4	2.035	2.857	13.3	22.0
3 22	14 1.31	−10 4.6	1.957	2.862	10.1	21.8
4 1	13 54.89	− 9 25.0	1.901	2.866	6.4	21.6
4 11	13 47.13	− 8 39.1	1.873	2.870	2.5	21.3
4 21	13 38.84	− 7 51.6	1.872	2.874	2.0	21.3
5 1	13 30.94	− 7 7.6	1.899	2.877	6.0	21.6
5 11	13 24.26	− 6 32.1	1.953	2.881	9.7	21.8
5 21	13 19.38	− 6 8.4	2.031	2.884	12.9	22.0
138643 2000 RH_{29}			4 17.3 116°.39	1°.7/19.4 18		
3 12	14 4.06	−19 20.1	2.778	3.558	11.2	20.5
3 22	13 59.51	−18 57.2	2.700	3.574	8.8	20.3
4 1	13 53.48	−18 22.0	2.645	3.590	6.1	20.2
4 11	13 46.51	−17 36.5	2.618	3.605	3.2	20.0
4 21	13 39.22	−16 43.6	2.620	3.621	1.7	19.9
5 1	13 32.27	−15 47.2	2.652	3.635	4.1	20.1
5 11	13 26.25	−14 52.0	2.713	3.650	6.9	20.3
5 21	13 21.61	−14 1.9	2.799	3.664	9.4	20.5
103254 2000 AX_{13}			4 17.3 63°.56	1°.4/16.5 18		
3 12	14 10.42	− 9 11.4	1.249	2.095	18.5	19.1
3 22	14 5.94	− 8 56.1	1.186	2.103	14.1	18.9
4 1	13 58.34	− 8 28.9	1.143	2.112	9.0	18.6
4 11	13 48.58	− 7 54.7	1.122	2.120	3.5	18.3
4 21	13 38.00	− 7 19.6	1.127	2.129	3.0	18.3
5 1	13 28.14	− 6 50.8	1.156	2.137	8.4	18.6
5 11	13 20.34	− 6 34.4	1.209	2.146	13.4	18.9
5 21	13 15.37	− 6 33.7	1.281	2.155	17.7	19.2
188002 2001 SQ_{241}			4 17.3 267°.14	0°.9/16.5 17		
3 12	14 6.88	−10 18.0	1.829	2.655	14.4	21.1
3 22	14 2.62	− 9 51.7	1.732	2.640	11.0	20.9
4 1	13 56.01	− 9 14.0	1.658	2.624	7.1	20.6
4 11	13 47.67	− 8 28.6	1.610	2.608	2.7	20.3
4 21	13 38.48	− 7 40.3	1.589	2.591	2.3	20.2
5 1	13 29.54	− 6 55.2	1.596	2.574	6.8	20.5
5 11	13 21.88	− 6 19.2	1.628	2.557	11.1	20.7
5 21	13 16.26	− 5 56.3	1.683	2.540	14.9	20.9
87866 2000 SB_{243}			4 17.3 259°.72	2°.5/15.1 18		
3 12	14 5.96	− 6 22.5	1.885	2.720	13.7	19.8
3 22	14 1.74	− 5 41.1	1.797	2.709	10.4	19.6
4 1	13 55.33	− 4 51.5	1.732	2.699	6.7	19.4
4 11	13 47.36	− 3 58.5	1.693	2.688	3.1	19.1
4 21	13 38.69	− 3 7.9	1.681	2.677	3.6	19.1
5 1	13 30.33	− 2 25.6	1.697	2.666	7.5	19.3
5 11	13 23.22	− 1 56.6	1.739	2.655	11.3	19.5
5 21	13 18.02	− 1 43.7	1.802	2.644	14.8	19.7
84207 2002 RA_{138}			4 17.3 238°.28	1°.3/18.2 18		
3 12	14 12.07	−14 39.2	2.126	2.922	13.7	19.8
3 22	14 6.39	−14 47.5	2.018	2.905	10.8	19.5
4 1	13 58.37	−14 45.1	1.934	2.888	7.2	19.3
4 11	13 48.60	−14 32.8	1.877	2.870	3.3	19.0
4 21	13 37.94	−14 12.7	1.849	2.851	1.7	18.8
5 1	13 27.41	−13 48.3	1.850	2.832	5.6	19.0
5 11	13 18.06	−13 24.4	1.878	2.811	9.6	19.2
5 21	13 10.65	−13 5.7	1.931	2.790	13.2	19.4
9200 1993 FK_{21}			4 17.3 233°.65	0°.3/17.1 18		
3 12	14 7.52	−12 33.2	2.022	2.836	13.7	18.1
3 22	14 2.87	−12 1.5	1.924	2.824	10.5	17.8
4 1	13 56.05	−11 17.2	1.849	2.811	6.8	17.6
4 11	13 47.65	−10 23.4	1.801	2.797	2.7	17.3
4 21	13 38.52	− 9 24.8	1.781	2.783	1.8	17.2
5 1	13 29.65	− 8 27.1	1.789	2.768	6.1	17.5
5 11	13 21.97	− 7 36.5	1.824	2.753	10.2	17.7
5 21	13 16.17	− 6 57.7	1.883	2.737	13.7	17.8
429844 2012 QL_{39}			4 17.3 263°.35	3°.5/13.3 18		
3 12	14 2.75	− 5 26.5	2.045	2.883	12.6	21.2
3 22	13 59.13	− 3 55.7	1.954	2.870	9.5	21.0
4 1	13 53.57	− 2 14.6	1.889	2.856	6.2	20.7
4 11	13 46.65	− 0 30.0	1.850	2.842	3.7	20.6
4 21	13 39.13	+ 1 10.3	1.841	2.827	4.8	20.6
5 1	13 31.88	+ 2 38.3	1.860	2.813	8.2	20.8
5 11	13 25.72	+ 3 48.2	1.904	2.798	11.7	20.9
5 21	13 21.25	+ 4 36.6	1.970	2.784	14.8	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
382932 2004 TU_{95}			4 17.3 244°.93	0°.5/17.7 18		
	h m	° ′			°	m
3 12	14 11.05	−11 55.4	2.112	2.918	13.4	21.0
3 22	14 5.53	−12 8.0	2.012	2.906	10.4	20.8
4 1	13 57.76	−12 12.3	1.935	2.894	6.9	20.6
4 11	13 48.34	−12 9.6	1.886	2.881	2.9	20.3
4 21	13 38.11	−12 2.0	1.865	2.868	1.5	20.1
5 1	13 28.09	−11 52.8	1.873	2.854	5.7	20.4
5 11	13 19.24	−11 46.0	1.909	2.841	9.6	20.6
5 21	13 12.30	−11 44.8	1.968	2.826	13.1	20.8
20179 1996 XX_{31}			4 17.3 299°.44	6°.7/20.8 18	R	
3 12	14 11.65	−23 32.3	1.509	2.298	18.7	17.4
3 22	14 7.29	−24 43.0	1.412	2.281	15.6	17.1
4 1	13 59.63	−25 37.2	1.334	2.265	12.0	16.8
4 11	13 49.31	−26 10.6	1.279	2.249	8.5	16.6
4 21	13 37.46	−26 20.6	1.248	2.234	6.7	16.4
5 1	13 25.69	−26 8.9	1.242	2.218	8.6	16.5
5 11	13 15.60	−25 41.8	1.260	2.203	12.5	16.7
5 21	13 8.39	−25 8.1	1.299	2.188	16.5	16.9
443748 2015 LO_{38}			4 17.3 264°.72	7°.8/ 7.8 18		
3 12	14 5.09	+14 50.9	2.507	3.329	11.1	21.0
3 22	14 0.52	+15 56.7	2.435	3.317	9.4	20.9
4 1	13 54.26	+16 54.8	2.387	3.304	8.1	20.8
4 11	13 46.87	+17 38.9	2.366	3.291	7.9	20.7
4 21	13 39.02	+18 4.4	2.370	3.278	8.9	20.8
5 1	13 31.47	+18 8.0	2.400	3.265	10.6	20.8
5 11	13 24.89	+17 49.4	2.452	3.251	12.6	21.0
5 21	13 19.82	+17 9.9	2.524	3.238	14.4	21.1
322861 2001 UH_{105}			4 17.3 277°.67	3°.3/15.3 18		
3 12	14 11.95	− 2 14.1	1.740	2.574	14.7	20.8
3 22	14 6.54	− 2 8.6	1.651	2.562	11.3	20.5
4 1	13 58.55	− 2 1.1	1.585	2.550	7.4	20.3
4 11	13 48.68	− 1 55.9	1.545	2.538	3.9	20.0
4 21	13 37.92	− 1 57.0	1.532	2.526	4.3	20.0
5 1	13 27.49	− 2 8.3	1.547	2.515	8.2	20.2
5 11	13 18.50	− 2 32.3	1.587	2.503	12.3	20.4
5 21	13 11.75	− 3 9.8	1.649	2.491	15.9	20.6
332782 2009 VT_{47}			4 17.3 222°.03	1°.7/15.7 17		
3 12	14 6.04	− 8 23.1	1.996	2.823	13.3	21.8
3 22	14 1.65	− 7 43.4	1.909	2.818	10.1	21.6
4 1	13 55.19	− 6 54.5	1.847	2.813	6.4	21.4
4 11	13 47.29	− 6 0.7	1.811	2.807	2.7	21.1
4 21	13 38.77	− 5 7.3	1.803	2.801	2.8	21.1
5 1	13 30.58	− 4 19.9	1.823	2.795	6.7	21.3
5 11	13 23.60	− 3 43.7	1.869	2.789	10.5	21.6
5 21	13 18.45	− 3 21.6	1.937	2.782	13.8	21.7
85282 1994 PE_{19}			4 17.3 245°.30	1°.4/18.8 18		
3 12	14 4.91	−16 53.6	2.633	3.423	11.5	19.9
3 22	14 0.44	−16 47.9	2.529	3.411	9.0	19.7
4 1	13 54.27	−16 31.2	2.449	3.399	6.2	19.5
4 11	13 46.91	−16 4.8	2.396	3.386	3.1	19.3
4 21	13 38.99	−15 31.0	2.372	3.373	1.6	19.1
5 1	13 31.25	−14 53.2	2.377	3.360	4.5	19.3
5 11	13 24.42	−14 15.7	2.410	3.347	7.6	19.5
5 21	13 19.02	−13 42.5	2.469	3.333	10.5	19.6
377379 2004 RN_{208}			4 17.3 247°.28	5°.7/22.9 18		
3 12	14 6.40	−29 28.4	2.102	2.845	15.5	20.7
3 22	14 2.22	−29 32.7	1.998	2.834	13.1	20.5
4 1	13 55.72	−29 14.9	1.914	2.823	10.3	20.3
4 11	13 47.55	−28 33.6	1.854	2.811	7.5	20.1
4 21	13 38.60	−27 29.9	1.820	2.799	5.7	20.0
5 1	13 29.91	−26 8.4	1.813	2.786	6.6	20.0
5 11	13 22.53	−24 36.7	1.832	2.774	9.3	20.1
5 21	13 17.15	−23 3.5	1.877	2.761	12.4	20.3
85499 1997 TH_{13}			4 17.3 238°.39	0°.9/18.2 17		
3 12	14 5.88	−15 6.7	2.458	3.256	12.0	21.0
3 22	14 1.27	−14 53.9	2.355	3.244	9.3	20.8
4 1	13 54.86	−14 30.0	2.276	3.231	6.2	20.6
4 11	13 47.15	−13 56.9	2.224	3.218	2.8	20.4
4 21	13 38.85	−13 17.3	2.201	3.204	1.4	20.2
5 1	13 30.74	−12 35.4	2.208	3.190	4.8	20.5
5 11	13 23.60	−11 55.6	2.242	3.176	8.3	20.6
5 21	13 18.01	−11 22.2	2.301	3.161	11.4	20.8
33979 Sunhaochun			4 17.3 150°.55	2°.8/15.1 18		
3 12	14 10.23	− 5 55.1	1.758	2.589	14.7	18.5
3 22	14 4.94	− 5 10.5	1.687	2.598	11.1	18.3
4 1	13 57.31	− 4 18.2	1.639	2.605	7.1	18.1
4 11	13 48.11	− 3 24.0	1.618	2.612	3.4	17.9
4 21	13 38.33	− 2 33.8	1.624	2.619	3.9	17.9
5 1	13 29.08	− 1 53.8	1.658	2.625	7.8	18.1
5 11	13 21.33	− 1 28.5	1.717	2.630	11.7	18.4
5 21	13 15.72	− 1 19.9	1.798	2.634	15.1	18.6

488855 2005 SP_{46} 4 17.3 163°.68 0°.7/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.89	−14 59.3	2.354	3.152	12.5	23.5
3 22	14 2.71	−14 37.8	2.269	3.158	9.7	23.3
4 1	13 55.69	−14 4.9	2.208	3.164	6.3	23.1
4 11	13 47.45	−13 22.6	2.174	3.169	2.7	22.9
4 21	13 38.72	−12 34.7	2.170	3.173	1.3	22.8
5 1	13 30.34	−11 45.5	2.195	3.177	4.9	23.0
5 11	13 23.08	−11 0.2	2.248	3.179	8.4	23.2
5 21	13 17.47	−10 22.7	2.326	3.182	11.4	23.4

359622 2011 PZ_{8} 4 17.3 86°.15 3°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.40	−20 34.2	1.400	2.207	19.0	21.2
3 22	14 5.91	−20 51.7	1.328	2.215	15.2	21.0
4 1	13 58.36	−20 48.2	1.276	2.223	10.8	20.7
4 11	13 48.63	−20 23.5	1.246	2.231	6.3	20.5
4 21	13 38.01	−19 40.6	1.241	2.239	4.0	20.4
5 1	13 28.01	−18 46.1	1.261	2.247	7.1	20.6
5 11	13 19.96	−17 49.3	1.306	2.254	11.6	20.9
5 21	13 14.67	−16 58.5	1.372	2.262	15.7	21.1

464466 2016 BZ_{45} 4 17.3 301°.39 4°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.76	−21 46.6	1.445	2.252	18.5	21.0
3 22	14 3.28	−21 59.5	1.358	2.244	15.0	20.8
4 1	13 56.81	−21 50.3	1.289	2.235	10.9	20.5
4 11	13 48.10	−21 18.2	1.243	2.227	6.6	20.2
4 21	13 38.29	−20 25.7	1.221	2.218	4.3	20.0
5 1	13 28.85	−19 19.3	1.224	2.210	7.2	20.2
5 11	13 21.15	−18 8.6	1.252	2.203	11.8	20.4
5 21	13 16.11	−17 3.3	1.300	2.195	16.1	20.6

69479 1996 XH_{16} 4 17.3 98°.62 0°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.43	−13 56.6	1.622	2.442	16.2	20.9
3 22	14 4.51	−13 33.6	1.556	2.458	12.4	20.7
4 1	13 57.10	−12 55.9	1.512	2.474	8.1	20.4
4 11	13 48.04	−12 7.3	1.493	2.489	3.3	20.2
4 21	13 38.41	−11 12.9	1.501	2.504	1.7	20.1
5 1	13 29.42	−10 19.7	1.536	2.519	6.5	20.4
5 11	13 22.08	− 9 34.2	1.596	2.533	10.8	20.7
5 21	13 17.03	− 9 1.1	1.679	2.547	14.5	21.0

438408 2006 UH_{338} 4 17.3 114°.25 2°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.53	−20 57.0	2.528	3.307	12.3	21.3
3 22	13 59.34	−20 37.1	2.444	3.315	9.7	21.2
4 1	13 53.51	−20 2.8	2.383	3.324	6.8	21.0
4 11	13 46.59	−19 15.7	2.348	3.332	3.8	20.8
4 21	13 39.26	−18 18.8	2.342	3.341	2.3	20.7
5 1	13 32.27	−17 16.7	2.365	3.349	4.4	20.9
5 11	13 26.29	−16 14.6	2.416	3.357	7.4	21.1
5 21	13 21.80	−15 17.4	2.492	3.364	10.2	21.3

147749 2005 NS_{89} 4 17.3 142°.00 2°.6/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.09	− 6 18.4	1.754	2.590	14.5	20.2
3 22	14 2.62	− 5 35.8	1.680	2.593	10.9	20.0
4 1	13 55.88	− 4 45.3	1.629	2.596	7.0	19.7
4 11	13 47.58	− 3 52.2	1.603	2.599	3.2	19.5
4 21	13 38.68	− 3 2.5	1.605	2.601	3.8	19.6
5 1	13 30.23	− 2 22.4	1.635	2.604	7.6	19.8
5 11	13 23.20	− 1 56.5	1.689	2.606	11.6	20.0
5 21	13 18.23	− 1 47.1	1.764	2.608	15.0	20.2

341542 2007 TN_{452} 4 17.3 89°.92 0°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.58	− 8 3.9	2.331	3.144	12.1	20.8
3 22	14 3.84	− 8 3.1	2.263	3.163	9.2	20.6
4 1	13 56.32	− 7 56.8	2.220	3.183	5.8	20.4
4 11	13 47.67	− 7 47.4	2.205	3.202	2.2	20.2
4 21	13 38.65	− 7 37.7	2.220	3.221	1.9	20.2
5 1	13 30.08	− 7 30.8	2.264	3.239	5.3	20.5
5 11	13 22.67	− 7 29.4	2.335	3.258	8.5	20.7
5 21	13 16.94	− 7 35.4	2.431	3.276	11.3	20.9

393235 2013 OG_{9} 4 17.3 214°.82 3°.1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.76	− 5 1.9	1.963	2.796	13.3	21.0
3 22	14 2.22	− 4 5.8	1.879	2.791	10.1	20.7
4 1	13 55.58	− 3 2.2	1.818	2.784	6.5	20.5
4 11	13 47.47	− 1 56.7	1.784	2.778	3.4	20.3
4 21	13 38.74	− 0 55.5	1.779	2.770	4.2	20.3
5 1	13 30.35	− 0 4.9	1.801	2.763	7.7	20.5
5 11	13 23.19	+ 0 30.4	1.849	2.755	11.4	20.7
5 21	13 17.89	+ 0 48.2	1.919	2.746	14.6	20.9

434523 2005 SU_{212} 4 17.3 281°.73 0°.1/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.68	−13 29.2	2.501	3.308	11.6	21.9
3 22	13 59.68	−12 50.2	2.381	3.277	8.9	21.7
4 1	13 53.91	−11 59.0	2.286	3.246	5.8	21.4
4 11	13 46.83	−10 58.2	2.218	3.214	2.3	21.1
4 21	13 39.09	− 9 51.7	2.179	3.182	1.4	21.0
5 1	13 31.44	− 8 44.6	2.170	3.149	5.2	21.2
5 11	13 24.65	− 7 42.4	2.188	3.116	8.8	21.4
5 21	13 19.30	− 6 49.7	2.231	3.082	12.0	21.5

212917 2007 YR 4 17.3 335°.39 1°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.63	− 8 56.7	1.969	2.799	13.4	20.5
3 22	14 0.65	− 8 42.6	1.884	2.793	10.2	20.3
4 1	13 54.60	− 8 20.4	1.821	2.787	6.5	20.0
4 11	13 47.10	− 7 53.4	1.784	2.781	2.5	19.8
4 21	13 38.97	− 7 25.5	1.775	2.776	2.2	19.7
5 1	13 31.14	− 7 1.4	1.793	2.771	6.2	20.0
5 11	13 24.51	− 6 45.2	1.837	2.767	10.0	20.2
5 21	13 19.69	− 6 39.8	1.903	2.762	13.4	20.4

282749 2006 GN_{35} 4 17.3 27°.68 2°.0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.66	−10 35.9	1.691	2.530	14.8	20.4
3 22	13 58.55	− 9 16.1	1.619	2.535	11.1	20.2
4 1	13 53.28	− 7 42.0	1.571	2.540	7.0	19.9
4 11	13 46.56	− 6 0.3	1.548	2.546	2.9	19.7
4 21	13 39.31	− 4 19.5	1.553	2.552	3.4	19.7
5 1	13 32.53	− 2 48.7	1.585	2.558	7.5	20.0
5 11	13 27.12	− 1 35.0	1.642	2.564	11.5	20.2
5 21	13 23.65	− 0 42.3	1.721	2.571	15.0	20.5

419900 2011 AN_{67} 4 17.3 210°.76 2°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.72	− 5 29.9	2.265	3.089	12.1	21.6
3 22	14 2.70	− 4 41.9	2.174	3.081	9.2	21.3
4 1	13 55.78	− 3 47.2	2.108	3.073	5.9	21.1
4 11	13 47.53	− 2 50.3	2.070	3.063	2.9	20.9
4 21	13 38.72	− 1 56.4	2.061	3.054	3.5	20.9
5 1	13 30.18	− 1 10.6	2.080	3.043	6.8	21.1
5 11	13 22.71	− 0 37.0	2.127	3.031	10.2	21.3
5 21	13 16.91	− 0 18.2	2.197	3.019	13.2	21.5

461508 2003 RY_{12} 4 17.3 222°.70 2°.0/15.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.70	− 8 42.2	1.982	2.807	13.5	22.3
3 22	14 3.00	− 7 45.7	1.889	2.796	10.3	22.1
4 1	13 56.13	− 6 38.0	1.819	2.785	6.5	21.8
4 11	13 47.72	− 5 23.9	1.777	2.773	2.8	21.6
4 21	13 38.60	− 4 9.7	1.763	2.760	3.2	21.6
5 1	13 29.78	− 3 2.4	1.777	2.746	7.1	21.8
5 11	13 22.17	− 2 7.9	1.818	2.732	11.1	22.0
5 21	13 16.46	− 1 30.1	1.882	2.717	14.5	22.2

275031 2009 UL_{37} 4 17.3 50°.18 0°.6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.49	−10 20.7	2.721	3.538	10.5	20.9
3 22	13 57.57	− 9 56.0	2.651	3.554	7.9	20.7
4 1	13 52.27	− 9 24.5	2.606	3.570	5.0	20.6
4 11	13 46.09	− 8 48.9	2.589	3.586	1.9	20.4
4 21	13 39.60	− 8 12.5	2.601	3.602	1.5	20.4
5 1	13 33.44	− 7 38.9	2.642	3.619	4.5	20.6
5 11	13 28.15	− 7 11.2	2.710	3.636	7.4	20.8
5 21	13 24.14	− 6 51.7	2.803	3.652	9.9	21.0

303361 2004 TY_{366} 4 17.3 162°.18 0°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.76	−14 43.3	1.830	2.641	15.0	21.8
3 22	14 3.87	−14 4.6	1.750	2.647	11.6	21.5
4 1	13 56.67	−13 10.6	1.692	2.652	7.5	21.3
4 11	13 47.90	−12 4.8	1.661	2.657	3.1	21.0
4 21	13 38.53	−10 52.7	1.657	2.660	1.6	20.9
5 1	13 29.62	− 9 41.5	1.682	2.664	6.2	21.2
5 11	13 22.15	− 8 38.2	1.733	2.666	10.3	21.5
5 21	13 16.76	− 7 48.1	1.808	2.668	14.0	21.7

104850 2000 HS_{74} 4 17.3 62°.71 2°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.07	− 6 28.1	1.610	2.451	15.3	19.5
3 22	14 2.77	− 5 51.0	1.541	2.457	11.6	19.3
4 1	13 56.04	− 5 5.7	1.494	2.462	7.4	19.1
4 11	13 47.67	− 4 17.7	1.472	2.468	3.3	18.8
4 21	13 38.67	− 3 33.1	1.476	2.473	3.8	18.9
5 1	13 30.20	− 2 58.3	1.507	2.479	7.9	19.1
5 11	13 23.26	− 2 38.0	1.563	2.485	12.0	19.4
5 21	13 18.52	− 2 34.2	1.640	2.491	15.6	19.6

97832 2000 PQ_{5} 4 17.3 142°.32 1°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.39	−15 21.1	1.489	2.312	17.2	19.9
3 22	14 4.18	−15 10.3	1.411	2.313	13.4	19.6
4 1	13 57.18	−14 42.5	1.353	2.314	8.9	19.4
4 11	13 48.18	−14 0.4	1.320	2.315	4.0	19.1
4 21	13 38.35	−13 8.5	1.312	2.315	1.9	18.9
5 1	13 29.00	−12 14.2	1.331	2.316	6.9	19.3
5 11	13 21.37	−11 25.3	1.374	2.317	11.6	19.5
5 21	13 16.24	−10 48.0	1.438	2.317	15.8	19.8

148663 2001 SM_{145} 4 17.3 102°.99 3°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.15	−20 29.1	1.854	2.644	15.7	20.2
3 22	14 4.20	−20 35.6	1.779	2.657	12.5	20.0
4 1	13 56.89	−20 25.0	1.726	2.669	8.8	19.8
4 11	13 47.99	−19 58.1	1.697	2.681	5.1	19.6
4 21	13 38.48	−19 17.6	1.696	2.694	3.2	19.5
5 1	13 29.48	−18 28.8	1.722	2.705	5.8	19.7
5 11	13 21.96	−17 38.4	1.774	2.717	9.5	19.9
5 21	13 16.58	−16 52.5	1.850	2.728	12.9	20.2

245148 2004 RJ_{329} 4 17.3 265°.11 3°.6/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.12	−21 37.3	1.517	2.320	17.9	21.1
3 22	14 3.44	−21 31.7	1.424	2.309	14.5	20.8
4 1	13 56.88	−21 3.2	1.351	2.298	10.4	20.5
4 11	13 48.14	−20 11.5	1.301	2.287	6.0	20.2
4 21	13 38.34	−19 0.3	1.276	2.275	3.7	20.1
5 1	13 28.88	−17 36.8	1.277	2.263	6.9	20.2
5 11	13 21.08	−16 11.4	1.303	2.252	11.6	20.4
5 21	13 15.84	−14 53.9	1.350	2.240	16.0	20.7

259670 2003 WM_{164} 4 17.3 127°.86 1°.4/16.1 18

3 12	14 9.74	− 8 55.5	1.834	2.658	14.4	21.7
3 22	14 4.47	− 8 23.2	1.764	2.671	10.9	21.4
4 1	13 56.97	− 7 41.7	1.718	2.683	6.9	21.2
4 11	13 48.00	− 6 55.3	1.698	2.695	2.7	21.0
4 21	13 38.51	− 6 9.3	1.706	2.706	2.6	21.0
5 1	13 29.55	− 5 29.3	1.742	2.717	6.7	21.3
5 11	13 22.04	− 5 0.0	1.804	2.727	10.6	21.5
5 21	13 16.59	− 4 44.3	1.889	2.736	14.0	21.8

514997 2009 KP_{14} 4 17.3 293°.70 3°.4/10.6 18

3 12	13 56.53	+ 5 18.3	4.217	5.048	6.8	21.4
3 22	13 53.46	+ 6 10.1	4.135	5.038	5.3	21.3
4 1	13 49.52	+ 7 0.9	4.080	5.029	4.0	21.2
4 11	13 45.00	+ 7 47.7	4.054	5.019	3.4	21.2
4 21	13 40.25	+ 8 27.8	4.057	5.010	4.1	21.2
5 1	13 35.64	+ 8 58.9	4.088	5.000	5.4	21.3
5 11	13 31.50	+ 9 19.4	4.145	4.990	7.0	21.4
5 21	13 28.13	+ 9 28.9	4.226	4.981	8.4	21.5

342356 2008 TB_{178} 4 17.3 271°.92 7°.3/23.5 18

3 12	14 8.09	−31 20.0	2.051	2.783	16.2	20.8
3 22	14 3.80	−31 58.4	1.944	2.767	13.9	20.5
4 1	13 56.95	−32 16.1	1.857	2.750	11.4	20.3
4 11	13 48.16	−32 9.7	1.792	2.734	8.9	20.1
4 21	13 38.35	−31 38.5	1.752	2.717	7.3	20.0
5 1	13 28.69	−30 44.9	1.738	2.700	7.9	20.0
5 11	13 20.37	−29 35.3	1.749	2.683	10.2	20.1
5 21	13 14.22	−28 18.3	1.784	2.666	13.1	20.3

33512 1999 GM_{33} 4 17.3 168°.42 0°.5/16.9 18

3 12	14 12.04	−10 16.1	1.751	2.571	15.2	18.2
3 22	14 6.50	−10 7.3	1.671	2.574	11.7	18.0
4 1	13 58.45	− 9 48.8	1.614	2.577	7.5	17.7
4 11	13 48.65	− 9 23.3	1.583	2.580	2.9	17.5
4 21	13 38.13	− 8 55.1	1.579	2.582	2.0	17.4
5 1	13 28.06	− 8 29.2	1.604	2.583	6.7	17.7
5 11	13 19.52	− 8 10.6	1.654	2.584	10.9	17.9
5 21	13 13.23	− 8 2.7	1.727	2.584	14.6	18.2

87514 2000 QB_{190} 4 17.3 177°.38 2°.8/19.9 18

3 12	14 10.43	−20 6.5	2.371	3.144	13.1	20.0
3 22	14 4.81	−20 21.7	2.279	3.146	10.5	19.8
4 1	13 57.17	−20 23.8	2.209	3.148	7.5	19.7
4 11	13 48.11	−20 13.0	2.166	3.149	4.4	19.5
4 21	13 38.44	−19 50.8	2.152	3.149	2.9	19.4
5 1	13 29.06	−19 20.5	2.168	3.149	5.1	19.5
5 11	13 20.82	−18 46.7	2.211	3.148	8.2	19.7
5 21	13 14.34	−18 14.3	2.280	3.147	11.2	19.9

61886 2000 QV_{219} 4 17.3 198°.66 0°.1/17.2 18

3 12	14 7.92	−12 2.7	2.300	3.108	12.4	21.0
3 22	14 2.86	−11 43.4	2.208	3.104	9.5	20.8
4 1	13 55.90	−11 14.3	2.140	3.101	6.2	20.6
4 11	13 47.61	−10 38.1	2.100	3.096	2.4	20.3
4 21	13 38.75	− 9 58.3	2.088	3.091	1.5	20.2
5 1	13 30.17	− 9 19.2	2.106	3.086	5.3	20.5
5 11	13 22.69	− 8 45.4	2.152	3.080	8.9	20.7
5 21	13 16.87	− 8 20.5	2.222	3.073	12.0	20.9

244327 2002 HD_{17} 4 17.3 269°.14 0°.8/16.8 18

3 12	14 10.41	−10 8.2	1.761	2.583	15.0	20.7
3 22	14 5.63	− 9 54.0	1.653	2.558	11.7	20.4
4 1	13 58.19	− 9 29.0	1.568	2.532	7.6	20.1
4 11	13 48.68	− 8 56.0	1.509	2.506	3.0	19.8
4 21	13 38.06	− 8 19.3	1.477	2.479	2.3	19.7
5 1	13 27.52	− 7 44.5	1.472	2.451	7.2	19.9
5 11	13 18.28	− 7 17.6	1.494	2.423	11.9	20.1
5 21	13 11.27	− 7 3.1	1.537	2.394	16.1	20.3

503360 2016 CB_5 4 17.3 353°.75 2°.8/19.2 17

3 12	14 5.49	−18 31.7	1.312	2.139	18.9	21.0
3 22	14 2.39	−18 32.7	1.235	2.137	15.0	20.7
4 1	13 56.26	−18 12.2	1.178	2.135	10.4	20.5
4 11	13 47.91	−17 31.6	1.142	2.133	5.4	20.2
4 21	13 38.58	−16 35.1	1.130	2.132	3.0	20.0
5 1	13 29.75	−15 30.6	1.143	2.132	7.2	20.3
5 11	13 22.77	−14 28.1	1.180	2.132	12.2	20.5
5 21	13 18.52	−13 35.8	1.236	2.132	16.7	20.8

176015 2000 SR 4 17.3 274°.27 1°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.16	−14 51.9	2.315	3.119	12.5	20.7
3 22	14 0.86	−14 47.4	2.216	3.108	9.7	20.5
4 1	13 54.68	−14 32.1	2.141	3.097	6.5	20.3
4 11	13 47.16	−14 7.6	2.092	3.086	2.9	20.1
4 21	13 39.02	−13 36.6	2.072	3.075	1.5	19.9
5 1	13 31.10	−13 3.1	2.080	3.063	5.0	20.1
5 11	13 24.19	−12 31.4	2.115	3.052	8.5	20.3
5 21	13 18.89	−12 5.7	2.175	3.041	11.7	20.5

296452 2009 HY_{64} 4 17.3 20°.76 3°.5/14.6 17

3 12	14 3.49	− 7 14.6	1.291	2.150	17.3	20.6
3 22	14 0.56	− 6 3.4	1.227	2.153	13.0	20.4
4 1	13 54.87	− 4 39.2	1.185	2.157	8.3	20.1
4 11	13 47.29	− 3 10.5	1.166	2.162	4.1	19.9
4 21	13 39.00	− 1 47.5	1.172	2.167	5.0	19.9
5 1	13 31.32	− 0 40.0	1.202	2.173	9.6	20.2
5 11	13 25.40	+ 0 5.1	1.255	2.179	14.1	20.5
5 21	13 21.95	+ 0 25.3	1.326	2.186	18.1	20.7

433803 2015 BY_{101} 4 17.3 131°.89 3°.9/13.5 17

3 12	14 5.84	− 1 57.4	2.050	2.887	12.6	21.3
3 22	14 1.31	− 0 58.2	1.982	2.895	9.6	21.1
4 1	13 54.88	+ 0 4.6	1.938	2.902	6.4	20.9
4 11	13 47.20	+ 1 5.3	1.921	2.909	4.0	20.8
4 21	13 39.07	+ 1 58.0	1.932	2.916	4.9	20.9
5 1	13 31.37	+ 2 37.6	1.970	2.922	7.9	21.1
5 11	13 24.87	+ 3 0.7	2.034	2.928	11.0	21.3
5 21	13 20.11	+ 3 6.4	2.120	2.934	13.8	21.5

508719 2017 UR_{26} 4 17.3 249°.33 1°.1/16.4 17

3 12	14 8.45	− 9 2.2	2.021	2.842	13.4	22.6
3 22	14 3.63	− 8 41.7	1.923	2.827	10.3	22.3
4 1	13 56.61	− 8 12.4	1.848	2.812	6.6	22.1
4 11	13 47.97	− 7 37.6	1.799	2.796	2.6	21.8
4 21	13 38.57	− 7 1.3	1.779	2.779	2.3	21.7
5 1	13 29.38	− 6 28.6	1.787	2.763	6.4	22.0
5 11	13 21.36	− 6 4.2	1.821	2.745	10.4	22.2
5 21	13 15.23	− 5 51.5	1.879	2.728	14.0	22.3

2908 Shimoyama 4 17.3 181°.07 2°.2/20.1 18

3 12	14 4.11	−21 34.5	2.663	3.435	11.9	17.3
3 22	13 59.77	−21 7.4	2.568	3.436	9.5	17.2
4 1	13 53.82	−20 25.5	2.497	3.436	6.7	17.0
4 11	13 46.78	−19 30.4	2.453	3.436	3.8	16.8
4 21	13 39.30	−18 25.1	2.437	3.436	2.2	16.7
5 1	13 32.12	−17 14.1	2.452	3.435	4.3	16.8
5 11	13 25.88	−16 2.9	2.494	3.434	7.3	17.0
5 21	13 21.09	−14 56.5	2.563	3.432	10.0	17.2

141171 2001 XT_{148} 4 17.3 130°.25 1°.6/15.6 18

3 12	14 3.91	− 7 22.7	2.454	3.278	11.3	20.8
3 22	13 59.60	− 6 46.0	2.377	3.283	8.5	20.6
4 1	13 53.69	− 6 3.1	2.324	3.289	5.4	20.5
4 11	13 46.72	− 5 17.5	2.299	3.295	2.3	20.3
4 21	13 39.35	− 4 33.4	2.302	3.300	2.5	20.3
5 1	13 32.30	− 3 55.1	2.335	3.305	5.6	20.5
5 11	13 26.23	− 3 26.0	2.395	3.310	8.7	20.7
5 21	13 21.62	− 3 8.4	2.478	3.315	11.4	20.9

289004 2004 TJ_{77} 4 17.3 184°.77 0°.4/17.7 17

3 12	14 8.90	−14 49.7	1.808	2.619	15.1	21.0
3 22	14 4.10	−14 16.6	1.723	2.620	11.7	20.8
4 1	13 56.92	−13 28.0	1.660	2.620	7.7	20.5
4 11	13 48.08	−12 27.1	1.623	2.619	3.2	20.3
4 21	13 38.54	−11 19.0	1.614	2.618	1.6	20.1
5 1	13 29.43	−10 10.8	1.633	2.616	6.2	20.4
5 11	13 21.74	− 9 9.6	1.679	2.613	10.5	20.7
5 21	13 16.18	− 8 21.0	1.747	2.610	14.3	20.9

312007 2007 QH_6 4 17.3 260°.46 6°.9/21.9 17

3 12	14 12.03	−27 10.9	1.715	2.476	17.8	21.1
3 22	14 7.34	−27 58.1	1.608	2.457	15.1	20.8
4 1	13 59.57	−28 25.3	1.521	2.438	11.9	20.6
4 11	13 49.34	−28 28.5	1.457	2.418	8.7	20.3
4 21	13 37.72	−28 6.0	1.417	2.397	7.0	20.2
5 1	13 26.16	−27 20.3	1.404	2.376	8.3	20.2
5 11	13 16.14	−26 18.9	1.415	2.355	11.7	20.3
5 21	13 8.75	−25 11.4	1.449	2.333	15.4	20.5

391368 2006 VN_{122} 4 17.3 111°.31 1°.5/19.0 17

3 12	14 4.71	−17 37.2	2.624	3.412	11.6	21.8
3 22	14 0.15	−17 24.6	2.545	3.425	9.1	21.6
4 1	13 54.01	−17 0.6	2.489	3.438	6.1	21.4
4 11	13 46.84	−16 26.9	2.461	3.451	3.1	21.3
4 21	13 39.30	−15 46.2	2.462	3.463	1.6	21.2
5 1	13 32.08	−15 2.4	2.492	3.476	4.3	21.4
5 11	13 25.85	−14 19.8	2.550	3.487	7.2	21.6
5 21	13 21.05	−13 42.2	2.634	3.499	9.9	21.8

465175 2007 ER_{100} 4 17.3 318°.12 7°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.39	+ 3 2.4	1.627	2.484	14.3	20.6
3 22	13 59.27	+ 4 56.6	1.558	2.478	11.2	20.4
4 1	13 53.87	+ 6 53.9	1.513	2.471	8.4	20.2
4 11	13 46.88	+ 8 43.6	1.494	2.465	7.4	20.2
4 21	13 39.25	+10 15.5	1.500	2.459	9.0	20.2
5 1	13 32.04	+11 21.5	1.531	2.453	12.0	20.4
5 11	13 26.20	+11 57.7	1.584	2.448	15.3	20.6
5 21	13 22.39	+12 4.4	1.655	2.443	18.2	20.8

84753 2002 XA_{16} 4 17.3 281°.76 6°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.71	−25 43.9	1.731	2.503	17.3	19.7
3 22	14 5.47	−26 28.0	1.624	2.482	14.5	19.4
4 1	13 58.31	−26 53.2	1.537	2.460	11.3	19.2
4 11	13 48.82	−26 56.1	1.473	2.439	8.1	18.9
4 21	13 38.03	−26 35.8	1.433	2.417	6.3	18.8
5 1	13 27.30	−25 54.9	1.420	2.395	7.8	18.8
5 11	13 18.01	−25 0.4	1.431	2.374	11.3	19.0
5 21	13 11.22	−24 1.2	1.465	2.352	15.1	19.1

471765 2012 UD_{123} 4 17.3 204°.58 2°.7/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.07	−22 8.5	2.391	3.166	13.0	21.6
3 22	13 59.98	−21 48.8	2.296	3.164	10.4	21.4
4 1	13 54.06	−21 12.8	2.223	3.162	7.4	21.2
4 11	13 46.91	−20 21.8	2.177	3.159	4.4	21.0
4 21	13 39.24	−19 18.6	2.159	3.156	2.7	20.9
5 1	13 31.86	−18 8.3	2.170	3.153	4.8	21.0
5 11	13 25.54	−16 56.8	2.208	3.150	7.9	21.2
5 21	13 20.82	−15 49.9	2.272	3.147	10.9	21.4

435300 2007 TB_{450} 4 17.3 179°.83 0°.7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.41	−10 35.6	2.401	3.217	11.7	22.1
3 22	14 0.08	−10 2.8	2.316	3.218	8.9	21.9
4 1	13 54.06	− 9 21.2	2.255	3.218	5.6	21.7
4 11	13 46.89	− 8 34.0	2.221	3.218	2.2	21.4
4 21	13 39.26	− 7 45.3	2.217	3.218	1.8	21.4
5 1	13 31.93	− 6 59.6	2.241	3.218	5.3	21.6
5 11	13 25.61	− 6 21.3	2.293	3.217	8.6	21.8
5 21	13 20.79	− 5 53.3	2.369	3.217	11.5	22.0

115551 2003 UB_{71} 4 17.3 189°.22 0°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.46	−13 28.7	2.287	3.096	12.5	20.5
3 22	14 1.00	−13 4.4	2.199	3.095	9.6	20.3
4 1	13 54.71	−12 29.2	2.135	3.094	6.2	20.1
4 11	13 47.17	−11 45.6	2.097	3.093	2.5	19.8
4 21	13 39.10	−10 57.5	2.089	3.092	1.4	19.7
5 1	13 31.35	−10 9.6	2.109	3.090	5.1	20.0
5 11	13 24.66	− 9 26.9	2.156	3.088	8.7	20.2
5 21	13 19.59	− 8 53.0	2.228	3.086	11.8	20.4

434277 2003 WK_{115} 4 17.3 91°.92 2°.5/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.36	− 4 11.3	2.071	2.900	12.9	20.7
3 22	14 3.20	− 3 52.8	2.001	2.910	9.7	20.6
4 1	13 56.09	− 3 30.6	1.956	2.921	6.2	20.4
4 11	13 47.69	− 3 8.5	1.937	2.931	3.0	20.2
4 21	13 38.83	− 2 50.5	1.946	2.941	3.4	20.2
5 1	13 30.42	− 2 40.2	1.984	2.951	6.7	20.4
5 11	13 23.25	− 2 40.5	2.048	2.961	10.0	20.7
5 21	13 17.89	− 2 52.6	2.135	2.971	13.0	20.9

303929 2005 UQ_{496} 4 17.3 227°.04 1°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.56	− 6 7.5	2.798	3.615	10.2	21.2
3 22	14 0.75	− 5 48.6	2.703	3.606	7.7	21.0
4 1	13 54.42	− 5 25.3	2.633	3.597	4.9	20.8
4 11	13 47.04	− 5 0.3	2.591	3.587	2.2	20.6
4 21	13 39.19	− 4 36.7	2.580	3.577	2.3	20.6
5 1	13 31.55	− 4 17.5	2.597	3.567	5.2	20.8
5 11	13 24.74	− 4 5.6	2.643	3.556	8.1	20.9
5 21	13 19.25	− 4 2.8	2.714	3.545	10.7	21.1

267325 2001 UA_{53} 4 17.3 69°.56 1°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.58	−11 58.8	1.663	2.492	15.5	20.4
3 22	14 2.09	−10 45.6	1.612	2.521	11.6	20.3
4 1	13 55.41	− 9 19.0	1.583	2.549	7.3	20.1
4 11	13 47.40	− 7 45.7	1.581	2.578	2.8	19.8
4 21	13 39.06	− 6 13.7	1.606	2.606	2.7	19.9
5 1	13 31.42	− 4 51.2	1.659	2.634	6.9	20.2
5 11	13 25.34	− 3 44.5	1.738	2.662	10.8	20.5
5 21	13 21.32	− 2 57.0	1.839	2.690	14.2	20.8

355821 2008 TK_{98} 4 17.3 92°.02 3°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.46	−19 23.3	1.406	2.218	18.7	21.6
3 22	14 5.88	−19 27.1	1.337	2.229	14.8	21.4
4 1	13 58.32	−19 10.1	1.288	2.240	10.3	21.2
4 11	13 48.70	−18 33.5	1.262	2.251	5.6	20.9
4 21	13 38.27	−17 41.2	1.261	2.261	3.2	20.8
5 1	13 28.51	−16 40.7	1.286	2.272	6.9	21.0
5 11	13 20.68	−15 41.1	1.335	2.283	11.5	21.3
5 21	13 15.56	−14 50.3	1.406	2.293	15.6	21.6

183578 2003 SD_{19} 4 17.3 122°.83 0°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.23	−15 11.2	1.849	2.656	15.1	21.9
3 22	14 4.89	−14 48.3	1.779	2.672	11.6	21.7
4 1	13 57.29	−14 11.2	1.730	2.688	7.6	21.5
4 11	13 48.19	−13 22.8	1.708	2.703	3.3	21.2
4 21	13 38.58	−12 27.8	1.714	2.717	1.6	21.1
5 1	13 29.52	−11 32.2	1.748	2.731	5.8	21.5
5 11	13 21.96	−10 42.4	1.809	2.744	9.8	21.7
5 21	13 16.48	−10 3.1	1.894	2.757	13.3	22.0

102879 1999 WP_{15} 4 17.3 353°.96 1°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.39	−16 26.0	1.345	2.181	18.1	20.1
3 22	14 0.64	−15 58.6	1.269	2.178	14.1	19.8
4 1	13 55.06	−15 10.3	1.212	2.175	9.4	19.5
4 11	13 47.45	−14 4.1	1.178	2.173	4.2	19.2
4 21	13 38.97	−12 46.8	1.169	2.172	1.9	19.1
5 1	13 30.98	−11 27.7	1.184	2.172	7.2	19.4
5 11	13 24.74	−10 16.7	1.224	2.172	12.2	19.7
5 21	13 21.02	− 9 21.3	1.283	2.173	16.6	19.9

345953 2007 SL_{4} 4 17.3 268°.75 8°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.89	+14 7.0	2.379	3.195	11.8	21.0
3 22	14 4.45	+15 11.3	2.287	3.167	10.0	20.8
4 1	13 57.01	+16 8.9	2.219	3.138	8.5	20.7
4 11	13 48.13	+16 53.0	2.177	3.108	8.2	20.6
4 21	13 38.56	+17 17.5	2.162	3.077	9.2	20.6
5 1	13 29.18	+17 18.7	2.173	3.046	11.2	20.7
5 11	13 20.83	+16 55.6	2.207	3.014	13.5	20.8
5 21	13 14.15	+16 9.6	2.262	2.981	15.8	20.9

22463 1997 AT_{13} 4 17.3 186°.28 0°.2/17.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.88	−11 57.9	2.088	2.897	13.5	20.0
3 22	14 4.54	−11 34.7	2.000	2.897	10.3	19.8
4 1	13 57.07	−11 0.6	1.936	2.897	6.7	19.5
4 11	13 48.14	−10 18.7	1.899	2.895	2.6	19.3
4 21	13 38.59	− 9 33.1	1.890	2.893	1.7	19.2
5 1	13 29.38	− 8 48.8	1.911	2.890	5.8	19.5
5 11	13 21.42	− 8 10.9	1.959	2.886	9.6	19.7
5 21	13 15.34	− 7 43.5	2.031	2.882	13.0	19.9

360760 2004 XF_{167} 4 17.3 169°.07 3°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.75	− 2 28.8	1.861	2.691	14.0	21.3
3 22	14 6.05	− 1 48.7	1.786	2.695	10.7	21.1
4 1	13 58.06	− 1 4.7	1.736	2.699	7.0	20.9
4 11	13 48.52	− 0 22.2	1.712	2.702	4.0	20.7
4 21	13 38.38	+ 0 13.2	1.716	2.705	4.7	20.7
5 1	13 28.72	+ 0 36.4	1.748	2.707	8.2	20.9
5 11	13 20.49	+ 0 44.2	1.805	2.708	11.8	21.2
5 21	13 14.34	+ 0 35.6	1.885	2.708	15.0	21.4

255698 2006 QC_{82} 4 17.3 290°.04 0°.4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.43	−10 49.6	1.543	2.376	16.3	20.7
3 22	14 4.44	−10 41.7	1.444	2.353	12.7	20.4
4 1	13 57.60	−10 21.8	1.365	2.331	8.3	20.1
4 11	13 48.54	− 9 52.7	1.311	2.309	3.3	19.7
4 21	13 38.29	− 9 18.7	1.283	2.286	2.2	19.6
5 1	13 28.19	− 8 45.9	1.281	2.263	7.6	19.9
5 11	13 19.57	− 8 21.0	1.303	2.241	12.6	20.1
5 21	13 13.39	− 8 8.9	1.347	2.219	17.1	20.3

406545 2007 WB_{15} 4 17.3 179°.26 0°.3/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.21	−12 25.2	2.050	2.861	13.6	22.0
3 22	14 4.03	−11 50.9	1.965	2.863	10.5	21.8
4 1	13 56.75	−11 4.6	1.903	2.864	6.7	21.6
4 11	13 48.01	−10 9.7	1.868	2.865	2.6	21.3
4 21	13 38.68	− 9 11.1	1.862	2.865	1.7	21.3
5 1	13 29.74	− 8 14.5	1.885	2.864	5.9	21.5
5 11	13 22.06	− 7 25.6	1.935	2.862	9.8	21.8
5 21	13 16.26	− 6 48.5	2.009	2.859	13.1	22.0

378816 2008 SC_{233} 4 17.3 150°.37 2°.2/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.41	− 6 56.3	2.094	2.923	12.7	21.6
3 22	14 1.03	− 6 10.5	2.017	2.927	9.6	21.4
4 1	13 54.75	− 5 17.2	1.965	2.931	6.1	21.2
4 11	13 47.21	− 4 21.1	1.939	2.934	2.8	21.0
4 21	13 39.17	− 3 27.4	1.941	2.937	3.2	21.0
5 1	13 31.51	− 2 41.5	1.972	2.940	6.6	21.2
5 11	13 25.01	− 2 7.7	2.029	2.943	10.1	21.4
5 21	13 20.23	− 1 48.4	2.108	2.946	13.1	21.6

517656 2015 BX_{543} 4 17.3 274°.72 0°.2/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.36	−11 47.1	1.933	2.753	13.9	21.9
3 22	14 2.10	−11 32.3	1.843	2.746	10.7	21.7
4 1	13 55.64	−11 6.7	1.775	2.738	6.9	21.4
4 11	13 47.63	−10 33.1	1.734	2.731	2.7	21.2
4 21	13 38.91	− 9 55.4	1.720	2.723	1.7	21.1
5 1	13 30.49	− 9 18.7	1.734	2.716	6.0	21.3
5 11	13 23.31	− 8 48.3	1.774	2.708	10.1	21.6
5 21	13 18.04	− 8 28.0	1.837	2.701	13.6	21.8

177873 2005 QR_{70} 4 17.3 254.°96 2.°4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.23	−18 59.4	2.439	3.223	12.5	20.0
3 22	14 1.64	−19 11.0	2.341	3.216	10.0	19.8
4 1	13 55.19	−19 10.7	2.266	3.210	7.0	19.6
4 11	13 47.42	−18 58.8	2.218	3.203	4.0	19.4
4 21	13 39.04	−18 37.0	2.198	3.196	2.5	19.3
5 1	13 30.87	−18 8.6	2.206	3.189	4.8	19.4
5 11	13 23.72	−17 37.8	2.243	3.182	7.9	19.6
5 21	13 18.15	−17 9.1	2.304	3.175	10.9	19.8

217576 Klausbirkner 4 17.3 137.°95 1.°9/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.19	−19 20.3	2.805	3.580	11.3	21.7
3 22	14 1.21	−19 13.3	2.722	3.592	8.9	21.6
4 1	13 54.68	−18 54.6	2.662	3.604	6.2	21.4
4 11	13 47.15	−18 25.6	2.630	3.616	3.4	21.2
4 21	13 39.23	−17 48.4	2.627	3.627	2.0	21.1
5 1	13 31.63	−17 6.6	2.654	3.637	4.1	21.3
5 11	13 24.96	−16 24.3	2.710	3.647	6.9	21.5
5 21	13 19.70	−15 45.3	2.792	3.657	9.4	21.7

125984 2001 YM_{25} 4 17.3 300.°45 8.°0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.26	−31 47.0	1.704	2.454	18.4	19.6
3 22	14 2.15	−32 16.0	1.599	2.434	15.9	19.3
4 1	13 56.18	−32 19.1	1.512	2.413	12.9	19.1
4 11	13 48.00	−31 52.4	1.445	2.393	10.0	18.8
4 21	13 38.65	−30 54.8	1.402	2.374	8.1	18.7
5 1	13 29.49	−29 30.2	1.384	2.354	8.7	18.7
5 11	13 21.87	−27 47.7	1.390	2.334	11.4	18.8
5 21	13 16.76	−25 58.7	1.419	2.315	14.9	18.9

199336 2006 BU_{138} 4 17.3 293.°56 1.°9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.94	−17 13.5	1.873	2.680	14.9	20.6
3 22	14 1.92	−17 9.9	1.782	2.674	11.7	20.4
4 1	13 55.61	−16 51.3	1.713	2.667	8.0	20.2
4 11	13 47.65	−16 19.1	1.669	2.660	4.0	19.9
4 21	13 38.93	−15 36.5	1.652	2.654	2.1	19.8
5 1	13 30.53	−14 48.7	1.662	2.648	5.7	20.0
5 11	13 23.42	−14 2.0	1.698	2.641	9.8	20.2
5 21	13 18.33	−13 22.3	1.758	2.635	13.5	20.4

266373 2007 EG_{83} 4 17.3 77.°90 5.°4/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.19	− 0 39.7	1.703	2.551	14.3	20.4
3 22	14 1.09	+ 0 53.1	1.649	2.567	10.8	20.2
4 1	13 54.85	+ 2 29.2	1.620	2.583	7.4	20.0
4 11	13 47.25	+ 3 59.9	1.616	2.599	5.4	20.0
4 21	13 39.23	+ 5 17.0	1.640	2.615	6.7	20.1
5 1	13 31.80	+ 6 13.8	1.689	2.631	9.7	20.3
5 11	13 25.79	+ 6 47.1	1.763	2.647	13.0	20.5
5 21	13 21.76	+ 6 56.8	1.856	2.663	15.8	20.7

57029 2000 UY_{65} 4 17.3 282.°24 0.°1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.06	−12 13.2	2.298	3.111	12.3	19.5
3 22	14 0.82	−12 2.9	2.198	3.097	9.5	19.3
4 1	13 54.71	−11 43.4	2.122	3.083	6.2	19.1
4 11	13 47.26	−11 16.6	2.073	3.069	2.5	18.8
4 21	13 39.17	−10 45.7	2.051	3.055	1.4	18.7
5 1	13 31.27	−10 14.7	2.059	3.040	5.2	18.9
5 11	13 24.38	− 9 48.0	2.093	3.026	8.8	19.1
5 21	13 19.08	− 9 28.9	2.152	3.012	12.0	19.3

7930 1987 VD 4 17.3 245.°73 3.°0/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.17	−20 40.5	1.861	2.648	15.7	18.8
3 22	14 5.41	−20 36.5	1.753	2.629	12.7	18.6
4 1	13 58.04	−20 13.9	1.667	2.610	9.0	18.3
4 11	13 48.69	−19 32.7	1.605	2.590	5.1	18.0
4 21	13 38.30	−18 35.2	1.570	2.569	3.1	17.8
5 1	13 28.08	−17 27.0	1.564	2.548	6.2	18.0
5 11	13 19.21	−16 15.9	1.584	2.525	10.5	18.2
5 21	13 12.54	−15 10.0	1.627	2.502	14.5	18.4

302147 2001 SF_{114} 4 17.3 227.°10 1.°8/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.57	−17 8.7	1.736	2.540	16.0	21.9
3 22	14 5.72	−17 2.1	1.640	2.530	12.7	21.6
4 1	13 58.21	−16 38.9	1.566	2.520	8.6	21.4
4 11	13 48.73	−16 0.4	1.517	2.509	4.2	21.1
4 21	13 38.30	−15 10.0	1.494	2.497	2.2	20.9
5 1	13 28.15	−14 13.5	1.500	2.484	6.4	21.1
5 11	13 19.48	−13 18.6	1.531	2.471	10.9	21.4
5 21	13 13.11	−12 31.9	1.585	2.458	14.9	21.6

324612 2006 YO_{24} 4 17.3 155.°98 2.°6/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.61	− 6 4.3	1.738	2.574	14.6	20.3
3 22	14 3.12	− 5 28.7	1.662	2.575	11.1	20.0
4 1	13 56.31	− 4 45.7	1.609	2.576	7.1	19.8
4 11	13 47.90	− 4 0.2	1.582	2.577	3.3	19.6
4 21	13 38.84	− 3 18.1	1.581	2.578	3.7	19.6
5 1	13 30.22	− 2 45.1	1.608	2.579	7.6	19.8
5 11	13 23.03	− 2 25.7	1.660	2.579	11.6	20.1
5 21	13 17.91	− 2 22.1	1.733	2.580	15.1	20.3

267213 2000 TW_{57} 4 17.4 181.°92 1.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.92	− 8 11.4	2.138	2.955	12.9	21.0
3 22	14 4.50	− 8 2.1	2.053	2.956	9.9	20.8
4 1	13 57.04	− 7 46.3	1.993	2.956	6.3	20.5
4 11	13 48.17	− 7 26.8	1.959	2.956	2.5	20.3
4 21	13 38.70	− 7 6.8	1.954	2.955	2.1	20.3
5 1	13 29.57	− 6 50.4	1.978	2.954	6.0	20.5
5 11	13 21.65	− 6 41.1	2.030	2.953	9.6	20.7
5 21	13 15.53	− 6 41.3	2.105	2.951	12.8	20.9

308493 2005 TA_{110} 4 17.4 237.°14 2.°0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.99	−17 53.3	2.564	3.350	11.9	21.5
3 22	14 1.35	−18 0.2	2.466	3.344	9.4	21.3
4 1	13 54.97	−17 56.0	2.392	3.338	6.5	21.1
4 11	13 47.34	−17 41.5	2.344	3.331	3.5	20.9
4 21	13 39.16	−17 18.7	2.324	3.324	2.0	20.8
5 1	13 31.18	−16 50.5	2.334	3.318	4.5	20.9
5 11	13 24.15	−16 21.0	2.372	3.311	7.6	21.1
5 21	13 18.63	−15 54.3	2.435	3.304	10.5	21.3

269691 1996 RR_{7} 4 17.4 182.°87 0.°8/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.12	−14 46.8	2.280	3.079	12.8	21.6
3 22	14 3.07	−14 32.7	2.191	3.080	9.9	21.4
4 1	13 56.10	−14 7.2	2.125	3.080	6.6	21.2
4 11	13 47.79	−13 32.3	2.086	3.080	2.9	20.9
4 21	13 38.92	−12 51.3	2.076	3.079	1.4	20.8
5 1	13 30.36	−12 8.5	2.095	3.077	5.1	21.1
5 11	13 22.93	−11 28.9	2.142	3.075	8.6	21.3
5 21	13 17.20	−10 56.5	2.213	3.073	11.8	21.5

245742 2006 DS_{139} 4 17.4 271.°72 0.°7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.97	−10 12.2	1.538	2.369	16.4	20.8
3 22	14 5.58	−10 1.4	1.443	2.353	12.7	20.5
4 1	13 58.31	− 9 39.1	1.370	2.335	8.2	20.2
4 11	13 48.85	− 9 8.3	1.320	2.318	3.2	19.8
4 21	13 38.25	− 8 33.8	1.297	2.300	2.4	19.7
5 1	13 27.88	− 8 1.7	1.301	2.282	7.7	20.0
5 11	13 19.04	− 7 38.4	1.329	2.264	12.6	20.2
5 21	13 12.70	− 7 28.5	1.378	2.245	17.0	20.5

388766 2007 XT_{55} 4 17.4 113.°88 4.°9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.08	+ 4 0.3	2.379	3.211	11.3	20.6
3 22	14 1.25	+ 4 44.5	2.314	3.220	8.7	20.5
4 1	13 54.76	+ 5 27.0	2.274	3.228	6.3	20.3
4 11	13 47.21	+ 6 2.8	2.261	3.236	4.9	20.2
4 21	13 39.29	+ 6 27.5	2.276	3.244	5.7	20.3
5 1	13 31.76	+ 6 38.0	2.319	3.252	8.0	20.4
5 11	13 25.28	+ 6 32.7	2.387	3.259	10.5	20.6
5 21	13 20.34	+ 6 11.9	2.478	3.267	12.8	20.8

122259 2000 OH_{44} 4 17.4 229.°77 2.°1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.69	− 8 27.4	2.007	2.829	13.5	20.3
3 22	14 3.83	− 7 31.3	1.908	2.814	10.3	20.1
4 1	13 56.78	− 6 24.1	1.834	2.799	6.6	19.9
4 11	13 48.12	− 5 10.4	1.787	2.783	2.9	19.6
4 21	13 38.72	− 3 56.5	1.769	2.766	3.2	19.6
5 1	13 29.55	− 2 49.2	1.779	2.748	7.2	19.8
5 11	13 21.58	− 1 54.8	1.816	2.729	11.1	20.0
5 21	13 15.51	− 1 17.0	1.876	2.709	14.6	20.2

427926 2005 UQ_{524} 4 17.4 166.°41 2.°1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.76	− 6 30.0	2.129	2.954	12.7	22.2
3 22	14 2.81	− 5 53.8	2.050	2.958	9.6	22.0
4 1	13 55.91	− 5 11.1	1.996	2.961	6.1	21.8
4 11	13 47.71	− 4 25.9	1.969	2.964	2.8	21.6
4 21	13 38.99	− 3 43.1	1.970	2.966	3.1	21.6
5 1	13 30.66	− 3 7.5	2.000	2.968	6.5	21.9
5 11	13 23.50	− 2 43.0	2.056	2.970	10.0	22.1
5 21	13 18.09	− 2 31.7	2.136	2.971	13.0	22.3

419200 2009 UT_{80} 4 17.4 142.°53 0.°9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.52	−15 48.6	2.197	2.996	13.2	22.1
3 22	14 2.60	−15 26.8	2.116	3.005	10.2	21.9
4 1	13 55.77	−14 52.3	2.060	3.014	6.8	21.7
4 11	13 47.65	−14 7.4	2.030	3.023	3.0	21.4
4 21	13 39.04	−13 15.9	2.028	3.031	1.4	21.3
5 1	13 30.83	−12 22.8	2.056	3.039	5.1	21.6
5 11	13 23.82	−11 33.7	2.111	3.046	8.6	21.8
5 21	13 18.55	−10 52.7	2.191	3.053	11.8	22.0

200187 1999 RZ_{90} 4 17.4 290.°03 3.°7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.79	− 4 24.1	1.852	2.693	13.6	20.2
3 22	14 1.13	− 3 22.3	1.749	2.665	10.4	19.9
4 1	13 55.20	− 2 11.3	1.670	2.637	6.9	19.6
4 11	13 47.55	− 0 56.9	1.616	2.608	3.9	19.4
4 21	13 39.03	+ 0 13.7	1.590	2.580	4.9	19.4
5 1	13 30.65	+ 1 12.9	1.591	2.551	8.7	19.5
5 11	13 23.42	+ 1 54.9	1.616	2.522	12.7	19.7
5 21	13 18.11	+ 2 16.2	1.662	2.492	16.3	19.9

94828 2001 XG_{190} 4 17.4 184°.04 2°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.68	− 8 10.3	1.802	2.629	14.5	20.8
3 22	14 4.66	− 7 26.9	1.721	2.629	11.1	20.6
4 1	13 57.30	− 6 33.6	1.664	2.630	7.0	20.3
4 11	13 48.31	− 5 35.2	1.633	2.629	3.0	20.1
4 21	13 38.65	− 4 37.8	1.629	2.628	3.2	20.1
5 1	13 29.42	− 3 47.8	1.654	2.626	7.3	20.3
5 11	13 21.60	− 3 10.8	1.704	2.623	11.4	20.6
5 21	13 15.88	− 2 49.8	1.777	2.620	14.9	20.8

39730 1996 XP_5 4 17.4 197°.88 0°.5/16.9 18

3 12	14 9.92	−11 10.3	2.080	2.892	13.4	20.1
3 22	14 4.63	−10 44.9	1.990	2.888	10.3	19.9
4 1	13 57.19	−10 9.0	1.923	2.884	6.6	19.6
4 11	13 48.26	− 9 25.8	1.883	2.879	2.6	19.3
4 21	13 38.67	− 8 39.6	1.872	2.874	1.8	19.3
5 1	13 29.40	− 7 55.4	1.890	2.868	6.0	19.5
5 11	13 21.36	− 7 18.6	1.935	2.860	9.9	19.8
5 21	13 15.19	− 6 52.6	2.004	2.853	13.2	20.0

519330 2011 FS_{107} 4 17.4 189°.08 0°.4/17.8 17

3 12	14 5.90	−14 59.5	2.247	3.051	12.8	22.3
3 22	14 1.41	−14 24.4	2.157	3.050	9.9	22.1
4 1	13 55.04	−13 36.5	2.091	3.049	6.5	21.9
4 11	13 47.38	−12 38.4	2.052	3.047	2.7	21.7
4 21	13 39.19	−11 34.5	2.042	3.045	1.3	21.6
5 1	13 31.32	−10 30.2	2.061	3.043	5.2	21.8
5 11	13 24.55	− 9 31.2	2.107	3.040	8.8	22.0
5 21	13 19.45	− 8 42.2	2.178	3.036	12.0	22.2

517204 2013 VH_{26} 4 17.4 158°.92 1°.5/15.8 17

3 12	14 5.94	− 8 25.9	2.439	3.257	11.5	22.9
3 22	14 1.18	− 7 43.6	2.360	3.263	8.7	22.7
4 1	13 54.76	− 6 53.8	2.305	3.269	5.5	22.5
4 11	13 47.23	− 6 0.4	2.278	3.275	2.3	22.3
4 21	13 39.29	− 5 7.8	2.281	3.280	2.4	22.3
5 1	13 31.69	− 4 20.5	2.313	3.284	5.6	22.6
5 11	13 25.11	− 3 42.6	2.373	3.288	8.8	22.8
5 21	13 20.03	− 3 16.6	2.457	3.291	11.6	22.9

225988 2002 CC_{254} 4 17.4 147°.37 1°.8/19.0 18

3 12	14 7.60	−17 46.6	2.046	2.842	14.2	21.0
3 22	14 2.89	−17 37.3	1.963	2.848	11.1	20.8
4 1	13 56.07	−17 13.4	1.902	2.853	7.6	20.6
4 11	13 47.80	−16 36.7	1.867	2.858	3.8	20.4
4 21	13 38.95	−15 50.4	1.860	2.862	2.0	20.3
5 1	13 30.49	−14 59.6	1.882	2.866	5.3	20.5
5 11	13 23.30	−14 10.3	1.930	2.870	9.0	20.7
5 21	13 18.00	−13 27.6	2.003	2.874	12.3	20.9

330047 2005 UB_{328} 4 17.4 250°.52 3°.1/20.4 18

3 12	14 5.46	−22 46.8	1.954	2.738	15.2	20.6
3 22	14 1.56	−22 24.7	1.855	2.728	12.3	20.4
4 1	13 55.39	−21 41.9	1.777	2.717	8.8	20.1
4 11	13 47.59	−20 39.3	1.724	2.707	5.2	19.9
4 21	13 39.05	−19 20.3	1.698	2.696	3.2	19.7
5 1	13 30.81	−17 51.4	1.700	2.685	5.7	19.9
5 11	13 23.85	−16 21.0	1.728	2.673	9.5	20.1
5 21	13 18.87	−14 57.0	1.781	2.662	13.2	20.2

3627 Sayers 4 17.4 351°.80 8°.5/12.4 18

3 12	14 6.66	+ 4 52.7	1.153	2.022	18.1	16.5
3 22	14 3.40	+ 5 48.0	1.091	2.017	14.3	16.2
4 1	13 56.97	+ 6 40.1	1.049	2.012	10.6	16.0
4 11	13 48.29	+ 7 18.5	1.029	2.008	8.5	15.9
4 21	13 38.68	+ 7 34.1	1.031	2.005	9.8	15.9
5 1	13 29.71	+ 7 20.9	1.055	2.004	13.4	16.1
5 11	13 22.75	+ 6 38.0	1.099	2.003	17.4	16.3
5 21	13 18.61	+ 5 28.8	1.160	2.004	21.1	16.6

253035 2002 SC_7 4 17.4 303°.71 0°.1/17.4 17

3 12	14 6.18	−12 22.8	1.466	2.302	16.8	20.6
3 22	14 2.83	−12 11.3	1.370	2.281	13.1	20.3
4 1	13 56.63	−11 45.4	1.296	2.261	8.6	20.0
4 11	13 48.22	−11 7.6	1.245	2.242	3.5	19.7
4 21	13 38.66	−10 22.7	1.219	2.222	2.0	19.5
5 1	13 29.30	− 9 37.6	1.218	2.203	7.5	19.8
5 11	13 21.49	− 9 0.1	1.241	2.184	12.7	20.0
5 21	13 16.16	− 8 35.9	1.285	2.165	17.2	20.2

67369 2000 MF_2 4 17.4 274°.00 2°.2/15.6 18

3 12	14 6.71	− 7 9.9	1.807	2.641	14.2	19.4
3 22	14 2.56	− 6 35.4	1.714	2.626	10.9	19.1
4 1	13 56.07	− 5 52.0	1.644	2.611	7.0	18.9
4 11	13 47.89	− 5 4.1	1.600	2.596	3.1	18.6
4 21	13 38.89	− 4 17.2	1.583	2.581	3.4	18.6
5 1	13 30.15	− 3 37.6	1.593	2.565	7.5	18.8
5 11	13 22.70	− 3 10.5	1.628	2.550	11.6	19.0
5 21	13 17.26	− 2 59.0	1.685	2.534	15.3	19.2

377873 2006 CL_{54} 4 17.4 51°.74 2°.6/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.46	− 6 12.6	1.799	2.637	14.1	21.3
3 22	14 1.39	− 5 28.0	1.726	2.640	10.6	21.1
4 1	13 55.16	− 4 35.7	1.676	2.643	6.8	20.8
4 11	13 47.46	− 3 41.0	1.651	2.647	3.2	20.6
4 21	13 39.18	− 2 50.0	1.654	2.650	3.7	20.7
5 1	13 31.35	− 2 8.5	1.684	2.653	7.5	20.9
5 11	13 24.85	− 1 41.3	1.739	2.657	11.3	21.1
5 21	13 20.29	− 1 30.5	1.816	2.660	14.6	21.3

178503 1999 TN_{146} 4 17.4 213°.47 1°.5/18.6 16

3 12	14 9.99	−16 26.7	2.012	2.809	14.3	21.3
3 22	14 4.89	−16 19.4	1.916	2.802	11.3	21.0
4 1	13 57.49	−15 58.1	1.842	2.795	7.6	20.8
4 11	13 48.43	−15 24.3	1.794	2.786	3.6	20.5
4 21	13 38.60	−14 41.2	1.775	2.777	1.8	20.4
5 1	13 29.05	−13 53.6	1.784	2.768	5.6	20.6
5 11	13 20.77	−13 7.6	1.820	2.757	9.6	20.8
5 21	13 14.48	−12 28.6	1.881	2.747	13.2	21.0

237137 2008 UX_{30} 4 17.4 98°.68 1°.6/15.9 17

3 12	14 6.68	− 7 50.0	2.056	2.881	13.0	20.8
3 22	14 2.01	− 7 21.1	1.984	2.892	9.8	20.6
4 1	13 55.40	− 6 45.0	1.937	2.902	6.2	20.4
4 11	13 47.52	− 6 5.6	1.916	2.913	2.6	20.2
4 21	13 39.17	− 5 27.4	1.923	2.923	2.6	20.2
5 1	13 31.26	− 4 55.2	1.959	2.933	6.2	20.5
5 11	13 24.57	− 4 32.7	2.021	2.942	9.7	20.7
5 21	13 19.64	− 4 22.4	2.106	2.952	12.8	20.9

40424 1999 RB_{24} 4 17.4 230°.69 0°.2/17.5 18

3 12	14 10.64	−12 18.1	1.872	2.686	14.6	18.6
3 22	14 5.54	−12 10.9	1.777	2.676	11.3	18.4
4 1	13 57.99	−11 52.6	1.704	2.665	7.4	18.1
4 11	13 48.66	−11 25.2	1.658	2.654	3.0	17.8
4 21	13 38.47	−10 52.4	1.639	2.642	1.7	17.7
5 1	13 28.54	−10 19.2	1.648	2.630	6.3	18.0
5 11	13 19.94	− 9 51.0	1.684	2.617	10.6	18.2
5 21	13 13.44	− 9 32.1	1.743	2.604	14.3	18.4

251747 1998 XJ_2 4 17.4 88°.48 2°.0/19.1 18

3 12	14 7.01	−18 44.3	1.698	2.504	16.2	20.8
3 22	14 2.76	−18 21.3	1.625	2.515	12.7	20.6
4 1	13 56.11	−17 39.6	1.574	2.527	8.7	20.4
4 11	13 47.85	−16 41.8	1.548	2.539	4.3	20.2
4 21	13 39.00	−15 32.9	1.548	2.550	2.2	20.0
5 1	13 30.69	−14 20.1	1.575	2.561	5.9	20.3
5 11	13 23.92	−13 11.4	1.629	2.573	10.1	20.6
5 21	13 19.33	−12 13.2	1.705	2.584	13.8	20.8

434185 2002 XE_{61} 4 17.4 104°.87 7°.4/10.2 18

3 12	14 9.04	+12 59.5	2.351	3.172	11.8	21.2
3 22	14 3.44	+13 49.0	2.300	3.186	9.7	21.1
4 1	13 56.13	+14 29.9	2.273	3.199	8.0	21.0
4 11	13 47.76	+14 56.8	2.273	3.212	7.4	21.0
4 21	13 39.08	+15 5.5	2.299	3.225	8.2	21.0
5 1	13 30.90	+14 53.9	2.352	3.238	9.9	21.2
5 11	13 23.90	+14 22.5	2.428	3.251	12.0	21.3
5 21	13 18.55	+13 33.4	2.525	3.263	13.9	21.5

248159 2004 VH 4 17.4 74°.03 5°.7/22.3 18

3 12	14 12.32	−27 0.1	1.943	2.695	16.3	20.3
3 22	14 6.61	−27 38.1	1.879	2.722	13.5	20.1
4 1	13 58.49	−27 56.1	1.835	2.749	10.4	20.0
4 11	13 48.77	−27 52.8	1.816	2.776	7.4	19.8
4 21	13 38.49	−27 29.4	1.823	2.802	5.7	19.8
5 1	13 28.82	−26 49.8	1.857	2.828	6.7	19.9
5 11	13 20.75	−26 1.0	1.918	2.854	9.3	20.1
5 21	13 14.92	−25 10.1	2.002	2.880	12.0	20.3

304963 2007 TE_{94} 4 17.4 84°.69 0°.4/17.7 18

3 12	14 9.65	−16 1.8	1.591	2.406	16.7	21.0
3 22	14 4.61	−15 9.4	1.536	2.434	12.8	20.8
4 1	13 57.16	−13 59.3	1.502	2.462	8.3	20.6
4 11	13 48.20	−12 36.7	1.494	2.490	3.4	20.4
4 21	13 38.86	−11 8.9	1.513	2.517	1.7	20.3
5 1	13 30.29	− 9 44.6	1.560	2.543	6.4	20.7
5 11	13 23.44	− 8 31.7	1.633	2.569	10.6	21.0
5 21	13 18.87	− 7 35.0	1.729	2.594	14.2	21.3

141189 2001 XV_{179} 4 17.4 82°.17 4°.8/12.3 18

3 12	14 3.99	+ 2 35.0	2.301	3.139	11.4	20.1
3 22	13 59.78	+ 3 29.8	2.232	3.142	8.8	19.9
4 1	13 53.90	+ 4 24.4	2.189	3.146	6.2	19.8
4 11	13 46.92	+ 5 13.4	2.172	3.150	4.8	19.7
4 21	13 39.54	+ 5 51.8	2.184	3.154	5.7	19.7
5 1	13 32.51	+ 6 15.7	2.222	3.158	8.1	19.9
5 11	13 26.51	+ 6 23.0	2.286	3.162	10.7	20.1
5 21	13 22.04	+ 6 13.4	2.371	3.166	13.1	20.2

421464 2014 OV_1 4 17.4 226°.92 2°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.72	− 6 27.9	1.807	2.638	14.3	21.8
3 22	14 4.06	− 5 29.1	1.717	2.628	10.9	21.6
4 1	13 57.01	− 4 20.1	1.650	2.616	7.0	21.3
4 11	13 48.27	− 3 6.7	1.609	2.604	3.5	21.0
4 21	13 38.73	− 1 56.0	1.597	2.591	4.2	21.1
5 1	13 29.50	− 0 55.2	1.612	2.577	8.1	21.3
5 11	13 21.62	− 0 10.5	1.652	2.563	12.2	21.5
5 21	13 15.79	+ 0 15.1	1.715	2.548	15.8	21.7

332544 2008 QX_{10} 4 17.4 263°.56 4°.4/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.88	− 1 59.6	2.130	2.966	12.2	20.8
3 22	14 0.84	− 0 35.0	2.030	2.943	9.4	20.6
4 1	13 54.83	+ 0 57.1	1.956	2.920	6.4	20.4
4 11	13 47.38	+ 2 30.0	1.910	2.895	4.5	20.2
4 21	13 39.23	+ 3 56.4	1.892	2.871	5.6	20.2
5 1	13 31.26	+ 5 9.1	1.902	2.845	8.7	20.4
5 11	13 24.31	+ 6 2.9	1.938	2.820	12.1	20.5
5 21	13 19.04	+ 6 35.2	1.995	2.793	15.1	20.7

175312 2005 MW_{11} 4 17.4 258°.98 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.29	−12 14.1	2.416	3.227	11.8	21.2
3 22	14 0.15	−11 50.5	2.317	3.215	9.1	21.0
4 1	13 54.24	−11 17.2	2.242	3.203	5.9	20.7
4 11	13 47.11	−10 36.6	2.194	3.190	2.3	20.5
4 21	13 39.40	− 9 52.4	2.175	3.178	1.4	20.4
5 1	13 31.91	− 9 8.8	2.185	3.165	5.1	20.6
5 11	13 25.37	− 8 30.5	2.222	3.152	8.5	20.8
5 21	13 20.33	− 8 0.9	2.283	3.139	11.6	21.0

43698 4878 P–L 4 17.4 215°.16 2°.3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.14	− 7 17.6	2.027	2.858	13.0	20.3
3 22	14 0.99	− 6 24.9	1.944	2.855	9.8	20.1
4 1	13 54.85	− 5 23.4	1.884	2.851	6.3	19.8
4 11	13 47.35	− 4 18.1	1.852	2.847	2.9	19.6
4 21	13 39.28	− 3 14.8	1.847	2.843	3.4	19.6
5 1	13 31.54	− 2 19.6	1.870	2.839	6.9	19.8
5 11	13 24.97	− 1 37.5	1.920	2.834	10.6	20.0
5 21	13 20.16	− 1 11.2	1.992	2.829	13.7	20.2

136528 2006 GM_{22} 4 17.4 262°.75 2°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.07	− 6 18.3	2.051	2.881	12.9	20.1
3 22	14 1.73	− 5 47.3	1.962	2.872	9.8	19.9
4 1	13 55.37	− 5 9.6	1.897	2.863	6.3	19.7
4 11	13 47.57	− 4 29.1	1.858	2.854	2.8	19.4
4 21	13 39.15	− 3 50.8	1.848	2.845	3.2	19.4
5 1	13 31.00	− 3 19.4	1.865	2.836	6.8	19.6
5 11	13 24.00	− 2 59.1	1.909	2.826	10.4	19.8
5 21	13 18.77	− 2 52.4	1.975	2.817	13.7	20.0

172432 2003 QD_{18} 4 17.4 249°.77 0°.9/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.74	−10 25.9	1.825	2.646	14.6	21.1
3 22	14 4.97	−10 0.5	1.725	2.629	11.3	20.9
4 1	13 57.71	− 9 23.6	1.646	2.610	7.3	20.6
4 11	13 48.59	− 8 38.5	1.594	2.591	2.9	20.3
4 21	13 38.53	− 7 49.9	1.570	2.571	2.3	20.2
5 1	13 28.67	− 7 4.0	1.573	2.551	6.9	20.4
5 11	13 20.10	− 6 26.8	1.602	2.530	11.4	20.6
5 21	13 13.66	− 6 2.8	1.654	2.509	15.3	20.8

67812 2000 VF_{24} 4 17.4 271°.63 1°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.54	−16 30.4	1.656	2.471	16.2	19.5
3 22	14 3.66	−16 5.9	1.551	2.448	12.8	19.3
4 1	13 57.07	−15 22.5	1.466	2.424	8.6	18.9
4 11	13 48.40	−14 22.1	1.406	2.400	3.9	18.6
4 21	13 38.62	−13 9.0	1.372	2.375	1.9	18.4
5 1	13 28.99	−11 50.8	1.366	2.351	6.8	18.6
5 11	13 20.75	−10 36.5	1.384	2.325	11.7	18.9
5 21	13 14.83	− 9 34.1	1.425	2.300	16.2	19.1

492203 2013 RA_{94} 4 17.4 216°.32 1°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.30	−15 39.5	2.324	3.119	12.7	23.3
3 22	14 3.29	−15 25.3	2.224	3.110	9.9	23.0
4 1	13 56.32	−14 59.1	2.148	3.101	6.6	22.8
4 11	13 47.95	−14 22.6	2.098	3.091	3.0	22.6
4 21	13 38.94	−13 38.6	2.077	3.080	1.5	22.4
5 1	13 30.16	−12 51.8	2.086	3.069	5.0	22.7
5 11	13 22.45	−12 7.2	2.123	3.057	8.7	22.9
5 21	13 16.42	−11 29.3	2.184	3.044	11.9	23.0

126379 2002 AU_{197} 4 17.4 58°.25 8°.4/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.66	+ 8 1.4	1.657	2.507	14.5	19.1
3 22	14 1.55	+ 9 33.7	1.610	2.520	11.6	19.0
4 1	13 55.21	+11 0.3	1.586	2.532	9.2	18.8
4 11	13 47.46	+12 12.0	1.587	2.545	8.4	18.8
4 21	13 39.28	+13 1.3	1.613	2.558	9.6	18.9
5 1	13 31.70	+13 23.6	1.663	2.571	12.1	19.1
5 11	13 25.60	+13 18.2	1.734	2.585	14.8	19.3
5 21	13 21.55	+12 47.7	1.825	2.598	17.2	19.5

419605 2010 RJ_{125} 4 17.4 190°.10 1°.2/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.85	− 9 42.5	2.064	2.881	13.3	22.8
3 22	14 3.79	− 9 5.9	1.978	2.881	10.1	22.6
4 1	13 56.65	− 8 19.6	1.915	2.879	6.5	22.4
4 11	13 48.07	− 7 27.3	1.880	2.877	2.5	22.1
4 21	13 38.89	− 6 33.9	1.873	2.874	2.3	22.1
5 1	13 30.06	− 5 45.0	1.895	2.870	6.3	22.4
5 11	13 22.44	− 5 5.7	1.944	2.865	10.1	22.6
5 21	13 16.68	− 4 39.3	2.016	2.860	13.4	22.8

17773 1998 EX_{13} 4 17.4 241°.43 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.85	− 6 24.4	2.396	3.223	11.4	18.3
3 22	13 59.73	− 5 45.0	2.308	3.217	8.6	18.1
4 1	13 53.93	− 4 59.2	2.245	3.211	5.5	17.9
4 11	13 46.97	− 4 11.1	2.209	3.205	2.5	17.7
4 21	13 39.52	− 3 24.9	2.202	3.198	2.9	17.7
5 1	13 32.33	− 2 45.3	2.224	3.191	6.0	17.9
5 11	13 26.10	− 2 15.9	2.272	3.185	9.2	18.1
5 21	13 21.35	− 1 59.2	2.344	3.178	12.1	18.3

457546 2008 YM 4 17.4 63°.62 4°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.77	−23 14.4	1.364	2.166	19.6	21.1
3 22	14 4.77	−23 24.1	1.297	2.178	15.9	20.9
4 1	13 57.73	−23 8.9	1.249	2.191	11.6	20.7
4 11	13 48.57	−22 28.8	1.223	2.204	7.2	20.5
4 21	13 38.63	−21 27.6	1.222	2.217	4.7	20.4
5 1	13 29.38	−20 13.2	1.245	2.231	7.2	20.5
5 11	13 22.11	−18 56.2	1.293	2.244	11.4	20.8
5 21	13 17.60	−17 46.1	1.362	2.258	15.5	21.1

206874 2004 FJ_{121} 4 17.4 325°.03 4°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.26	− 1 23.2	1.931	2.780	12.8	19.8
3 22	13 58.15	− 0 2.3	1.852	2.771	9.8	19.6
4 1	13 53.08	+ 1 24.3	1.796	2.761	6.7	19.4
4 11	13 46.67	+ 2 49.2	1.767	2.753	4.7	19.2
4 21	13 39.69	+ 4 5.1	1.765	2.744	5.9	19.3
5 1	13 33.02	+ 5 5.2	1.790	2.736	9.0	19.5
5 11	13 27.48	+ 5 44.9	1.839	2.728	12.3	19.6
5 21	13 23.66	+ 6 2.8	1.908	2.721	15.2	19.8

357566 2004 TQ_{88} 4 17.4 302°.25 0°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.76	−10 44.2	1.320	2.160	18.1	20.7
3 22	14 5.88	−10 53.1	1.231	2.145	14.1	20.4
4 1	13 58.77	−10 50.6	1.163	2.130	9.2	20.1
4 11	13 49.15	−10 38.9	1.117	2.115	3.7	19.7
4 21	13 38.21	−10 21.9	1.097	2.100	2.2	19.6
5 1	13 27.53	−10 5.3	1.101	2.085	8.1	19.9
5 11	13 18.64	− 9 55.7	1.128	2.071	13.5	20.1
5 21	13 12.59	− 9 57.7	1.175	2.058	18.3	20.4

11733 1998 KJ_{52} 4 17.4 48°.24 2°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.13	− 7 28.4	2.325	3.155	11.6	17.4
3 22	13 58.43	− 6 30.5	2.244	3.155	8.7	17.2
4 1	13 53.08	− 5 24.7	2.188	3.155	5.5	17.0
4 11	13 46.63	− 4 15.7	2.160	3.155	2.5	16.8
4 21	13 39.73	− 3 8.8	2.160	3.155	3.0	16.9
5 1	13 33.15	− 2 9.2	2.189	3.155	6.2	17.1
5 11	13 27.54	− 1 21.6	2.244	3.156	9.4	17.3
5 21	13 23.42	− 0 48.5	2.322	3.156	12.2	17.5

365829 2011 SL_{261} 4 17.4 122°.61 4°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.04	− 2 7.6	1.560	2.403	15.6	21.1
3 22	14 5.13	− 1 18.4	1.494	2.410	11.9	20.9
4 1	13 57.67	− 0 24.8	1.452	2.417	7.9	20.7
4 11	13 48.49	+ 0 26.3	1.434	2.424	4.7	20.5
4 21	13 38.69	+ 1 7.8	1.443	2.431	5.6	20.6
5 1	13 29.47	+ 1 33.8	1.478	2.437	9.3	20.8
5 11	13 21.91	+ 1 40.8	1.536	2.443	13.2	21.0
5 21	13 16.66	+ 1 28.2	1.616	2.449	16.6	21.3

498736 2008 TB_{148} 4 17.4 183°.53 1°.2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.73	−15 6.7	2.671	3.455	11.5	22.4
3 22	14 4.83	−15 15.5	2.576	3.455	9.0	22.3
4 1	13 57.16	−15 15.5	2.505	3.455	6.0	22.1
4 11	13 48.26	−15 7.3	2.463	3.454	2.9	21.8
4 21	13 38.82	−14 52.9	2.451	3.453	1.5	21.7
5 1	13 29.62	−14 35.0	2.469	3.451	4.5	21.9
5 11	13 21.41	−14 17.1	2.517	3.448	7.6	22.1
5 21	13 14.72	−14 2.5	2.590	3.445	10.4	22.3

37788 Suchan 4 17.4 97°.35 0°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.48	−14 22.3	1.566	2.386	16.7	20.1
3 22	14 5.42	−13 51.1	1.504	2.406	12.8	19.8
4 1	13 57.80	−13 4.2	1.464	2.425	8.3	19.6
4 11	13 48.53	−12 5.6	1.449	2.445	3.4	19.4
4 21	13 38.73	−11 1.5	1.460	2.464	1.7	19.3
5 1	13 29.62	− 9 59.3	1.499	2.482	6.6	19.7
5 11	13 22.26	− 9 6.3	1.563	2.500	11.0	19.9
5 21	13 17.25	− 8 27.1	1.650	2.517	14.7	20.2

278632 2008 QO_{47} 4 17.4 186°.07 2°.1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.94	− 7 39.6	2.062	2.892	12.9	21.0
3 22	14 0.79	− 6 48.4	1.982	2.892	9.7	20.8
4 1	13 54.71	− 5 48.5	1.925	2.891	6.2	20.6
4 11	13 47.31	− 4 44.7	1.895	2.891	2.7	20.4
4 21	13 39.39	− 3 42.7	1.894	2.890	3.1	20.4
5 1	13 31.81	− 2 48.4	1.920	2.889	6.7	20.6
5 11	13 25.40	− 2 6.5	1.973	2.888	10.2	20.8
5 21	13 20.70	− 1 39.9	2.048	2.887	13.4	21.0

32155 2000 MN 4 17.4 184°.83 2°.0/15.4 17

3 12	14 7.26	− 7 25.3	2.212	3.034	12.4	20.4
3 22	14 2.42	− 6 40.1	2.128	3.034	9.4	20.2
4 1	13 55.70	− 5 47.1	2.069	3.034	6.0	20.0
4 11	13 47.70	− 4 50.6	2.037	3.033	2.6	19.7
4 21	13 39.17	− 3 55.7	2.034	3.031	2.9	19.8
5 1	13 30.99	− 3 7.5	2.061	3.029	6.4	20.0
5 11	13 23.92	− 2 30.6	2.114	3.026	9.8	20.2
5 21	13 18.52	− 2 7.4	2.190	3.023	12.8	20.4

495833 2000 SB_8 4 17.4 249°.88 1°.3/16.3 17 C

3 12	14 13.19	− 8 46.9	2.278	3.083	12.6	23.9
3 22	14 7.23	− 8 20.6	2.159	3.055	9.7	23.6
4 1	13 59.03	− 7 45.7	2.064	3.025	6.3	23.4
4 11	13 49.13	− 7 4.8	1.998	2.994	2.5	23.1
4 21	13 38.30	− 6 22.0	1.962	2.962	2.4	23.0
5 1	13 27.51	− 5 42.1	1.957	2.929	6.3	23.2
5 11	13 17.74	− 5 10.1	1.979	2.894	10.3	23.3
5 21	13 9.74	− 4 49.4	2.026	2.857	13.8	23.5

331905 2004 RT_7 4 17.4 222°.78 5°.9/10.7 18

3 12	14 7.68	+ 7 10.5	2.550	3.376	10.8	22.1
3 22	14 2.55	+ 8 14.6	2.466	3.363	8.6	21.9
4 1	13 55.71	+ 9 16.6	2.407	3.350	6.7	21.7
4 11	13 47.70	+10 10.7	2.376	3.336	5.9	21.7
4 21	13 39.18	+10 51.8	2.374	3.322	6.8	21.7
5 1	13 30.90	+11 15.9	2.399	3.307	8.9	21.8
5 11	13 23.57	+11 21.2	2.449	3.290	11.3	21.9
5 21	13 17.73	+11 7.8	2.521	3.274	13.5	22.1

260728 2005 LQ_4 4 17.4 62°.77 4°.1/14.3 18

3 12	14 7.14	− 4 31.9	1.417	2.269	16.4	20.2
3 22	14 3.01	− 3 26.6	1.364	2.285	12.4	20.0
4 1	13 56.32	− 2 13.9	1.332	2.301	8.0	19.8
4 11	13 47.96	− 1 2.1	1.324	2.317	4.4	19.6
4 21	13 39.09	+ 0 0.6	1.343	2.334	5.4	19.7
5 1	13 30.92	+ 0 46.8	1.387	2.351	9.3	20.0
5 11	13 24.49	+ 1 12.1	1.454	2.368	13.3	20.3
5 21	13 20.41	+ 1 15.5	1.541	2.385	16.8	20.5

157318 2004 SA_{47} 4 17.4 296°.89 1°.1/18.3 17

3 12	14 5.31	−15 33.5	1.760	2.577	15.2	20.2
3 22	14 1.62	−15 17.5	1.667	2.566	11.9	20.0
4 1	13 55.55	−14 46.1	1.597	2.556	8.0	19.7
4 11	13 47.75	−14 1.4	1.551	2.546	3.6	19.4
4 21	13 39.13	−13 7.7	1.532	2.536	1.7	19.3
5 1	13 30.81	−12 11.2	1.540	2.526	6.1	19.5
5 11	13 23.83	−11 19.0	1.574	2.516	10.5	19.8
5 21	13 18.94	−10 36.7	1.630	2.506	14.4	20.0

387606 2002 CT_{287} 4 17.4 15°.72 1°.6/18.8 17

3 12	14 4.06	−16 26.8	2.022	2.830	13.9	21.0
3 22	14 0.26	−16 23.9	1.941	2.834	10.8	20.8
4 1	13 54.44	−16 7.8	1.882	2.837	7.3	20.6
4 11	13 47.24	−15 40.4	1.849	2.841	3.6	20.3
4 21	13 39.46	−15 4.8	1.843	2.845	1.8	20.2
5 1	13 32.04	−14 25.7	1.864	2.850	5.2	20.5
5 11	13 25.82	−13 48.3	1.912	2.855	8.9	20.7
5 21	13 21.39	−13 17.2	1.983	2.861	12.2	20.9

42644 1998 FE_{67} 4 17.4 189°.19 0°.5/17.0 18

3 12	14 11.33	−10 33.4	1.869	2.685	14.5	18.9
3 22	14 5.95	−10 22.3	1.783	2.684	11.2	18.7
4 1	13 58.20	−10 1.4	1.721	2.683	7.2	18.4
4 11	13 48.76	− 9 33.6	1.685	2.682	2.8	18.2
4 21	13 38.60	− 9 2.9	1.677	2.680	1.9	18.1
5 1	13 28.82	− 8 34.0	1.697	2.677	6.4	18.4
5 11	13 20.43	− 8 12.0	1.744	2.674	10.5	18.6
5 21	13 14.13	− 8 0.4	1.814	2.670	14.1	18.8

467381 2004 TM_{137} 4 17.4 229°.73 1°.3/16.1 18

3 12	14 7.97	− 8 13.7	2.485	3.297	11.5	22.4
3 22	14 2.90	− 7 45.5	2.383	3.283	8.7	22.2
4 1	13 56.03	− 7 10.2	2.305	3.268	5.6	21.9
4 11	13 47.87	− 6 30.6	2.256	3.253	2.3	21.7
4 21	13 39.11	− 5 50.8	2.237	3.236	2.3	21.7
5 1	13 30.53	− 5 14.7	2.247	3.219	5.7	21.9
5 11	13 22.90	− 4 46.5	2.285	3.201	9.0	22.0
5 21	13 16.80	− 4 28.8	2.348	3.183	12.0	22.2

271943 2004 YJ_{29} 4 17.4 167°.38 2°.6/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.90	− 5 13.0	2.154	2.984	12.4	20.9
3 22	14 1.42	− 4 27.7	2.076	2.986	9.4	20.7
4 1	13 55.07	− 3 36.4	2.023	2.988	6.0	20.5
4 11	13 47.46	− 2 43.9	1.996	2.990	3.0	20.3
4 21	13 39.37	− 1 55.3	1.998	2.992	3.6	20.3
5 1	13 31.63	− 1 15.5	2.028	2.993	6.8	20.5
5 11	13 25.01	− 0 48.4	2.085	2.994	10.1	20.7
5 21	13 20.07	− 0 35.9	2.164	2.994	13.1	20.9

300191 2006 WQ_{86} 4 17.4 172°.96 2°.2/20.2 18

3 12	14 4.28	−21 19.1	3.035	3.800	10.7	22.0
3 22	13 59.78	−21 4.0	2.940	3.803	8.5	21.8
4 1	13 53.84	−20 36.6	2.869	3.805	6.1	21.7
4 11	13 46.94	−19 58.0	2.826	3.807	3.5	21.5
4 21	13 39.66	−19 10.5	2.812	3.809	2.2	21.4
5 1	13 32.62	−18 17.6	2.828	3.810	3.9	21.5
5 11	13 26.42	−17 23.4	2.872	3.811	6.5	21.7
5 21	13 21.48	−16 32.0	2.943	3.811	8.9	21.9

58460 Le Mouelic 4 17.4 257°.68 10°.1/ 9.9 18

3 12	14 16.15	+14 22.2	1.750	2.571	15.2	19.2
3 22	14 9.93	+15 22.5	1.667	2.551	12.8	19.0
4 1	14 0.93	+16 12.9	1.607	2.531	10.8	18.8
4 11	13 49.91	+16 43.9	1.571	2.509	10.2	18.7
4 21	13 37.94	+16 48.1	1.560	2.487	11.3	18.7
5 1	13 26.34	+16 21.3	1.574	2.465	13.7	18.8
5 11	13 16.31	+15 23.7	1.611	2.442	16.6	19.0
5 21	13 8.68	+13 59.4	1.666	2.418	19.4	19.1

55694 4199 T_{-2} 4 17.4 138°.74 1°.7/15.9 18

3 12	14 8.51	− 8 5.4	1.985	2.808	13.5	20.1
3 22	14 3.50	− 7 29.6	1.911	2.818	10.2	19.9
4 1	13 56.44	− 6 45.7	1.862	2.827	6.5	19.7
4 11	13 48.01	− 5 57.9	1.839	2.835	2.7	19.5
4 21	13 39.07	− 5 11.3	1.844	2.843	2.8	19.5
5 1	13 30.58	− 4 31.2	1.878	2.851	6.5	19.7
5 11	13 23.39	− 4 1.9	1.938	2.858	10.2	20.0
5 21	13 18.07	− 3 46.0	2.021	2.865	13.4	20.2

58212 1992 OQ_5 4 17.4 136°.67 5°.1/11.9 17

3 12	14 6.63	+ 1 30.3	2.164	2.999	12.1	19.3
3 22	14 1.83	+ 2 50.9	2.102	3.011	9.3	19.1
4 1	13 55.24	+ 4 12.8	2.066	3.023	6.6	19.0
4 11	13 47.50	+ 5 29.0	2.057	3.035	5.1	18.9
4 21	13 39.37	+ 6 33.3	2.077	3.046	6.1	19.0
5 1	13 31.68	+ 7 20.8	2.124	3.056	8.7	19.2
5 11	13 25.15	+ 7 48.7	2.197	3.065	11.4	19.3
5 21	13 20.29	+ 7 56.8	2.291	3.074	13.9	19.5

140519 2001 TZ_{169} 4 17.4 90°.21 2°.9/20.6 18

3 12	14 7.00	−22 6.3	2.485	3.253	12.7	20.3
3 22	14 2.04	−22 7.2	2.413	3.276	10.2	20.1
4 1	13 55.34	−21 53.9	2.364	3.298	7.3	20.0
4 11	13 47.54	−21 27.3	2.341	3.319	4.4	19.8
4 21	13 39.35	−20 49.5	2.346	3.341	2.9	19.8
5 1	13 31.58	−20 4.6	2.381	3.362	4.6	19.9
5 11	13 24.92	−19 17.5	2.443	3.383	7.4	20.1
5 21	13 19.86	−18 32.8	2.531	3.404	10.0	20.3

499828 2011 DY_{24} 4 17.4 322°.56 9°.9/24.5 17

3 12	14 9.36	−33 21.9	1.669	2.405	19.2	21.3
3 22	14 5.52	−34 37.7	1.577	2.396	16.8	21.1
4 1	13 58.55	−35 30.3	1.503	2.388	14.1	20.9
4 11	13 49.13	−35 54.0	1.450	2.379	11.6	20.7
4 21	13 38.39	−35 45.7	1.419	2.372	10.0	20.6
5 1	13 27.86	−35 6.9	1.412	2.365	10.3	20.6
5 11	13 19.05	−34 4.9	1.428	2.358	12.4	20.7
5 21	13 13.00	−32 50.0	1.466	2.351	15.2	20.8

179427 2002 AC_{54} 4 17.4 28°.93 1°.0/18.4 17

3 12	14 3.12	−15 57.8	2.015	2.827	13.8	20.3
3 22	13 59.50	−15 36.9	1.938	2.833	10.7	20.1
4 1	13 53.93	−15 2.3	1.883	2.840	7.1	19.9
4 11	13 47.05	−14 16.6	1.854	2.848	3.2	19.6
4 21	13 39.66	−13 24.0	1.852	2.855	1.5	19.5
5 1	13 32.65	−12 29.9	1.878	2.863	5.2	19.8
5 11	13 26.84	−11 40.1	1.930	2.872	8.9	20.0
5 21	13 22.78	−10 59.2	2.006	2.880	12.2	20.2

203302 2001 SA_{239} 4 17.4 197°.78 1°.4/16.4 18

3 12	14 9.20	−10 9.7	1.556	2.388	16.2	20.8
3 22	14 4.74	− 9 32.9	1.477	2.387	12.4	20.6
4 1	13 57.61	− 8 43.2	1.419	2.386	7.9	20.3
4 11	13 48.60	− 7 45.3	1.386	2.384	3.1	20.0
4 21	13 38.77	− 6 45.6	1.380	2.381	2.8	20.0
5 1	13 29.41	− 5 51.7	1.401	2.379	7.6	20.3
5 11	13 21.65	− 5 10.3	1.446	2.376	12.2	20.5
5 21	13 16.25	− 4 45.6	1.512	2.372	16.2	20.7

327795 2006 UC_{280} 4 17.4 65°.56 0°.2/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.14	−14 28.2	1.565	2.392	16.4	21.1
3 22	14 2.25	−13 50.4	1.497	2.403	12.6	20.9
4 1	13 55.88	−12 56.2	1.450	2.414	8.2	20.7
4 11	13 47.85	−11 49.7	1.428	2.425	3.3	20.4
4 21	13 39.23	−10 37.6	1.433	2.436	1.7	20.3
5 1	13 31.18	− 9 27.7	1.464	2.447	6.6	20.7
5 11	13 24.72	− 8 27.7	1.520	2.459	11.0	20.9
5 21	13 20.49	− 7 42.7	1.597	2.470	14.8	21.2

297475 2000 TS_{30} 4 17.4 95°.54 2°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.48	− 7 40.2	2.388	3.215	11.4	20.6
3 22	13 58.62	− 6 37.8	2.315	3.224	8.6	20.5
4 1	13 53.18	− 5 27.9	2.267	3.233	5.4	20.3
4 11	13 46.71	− 4 15.2	2.247	3.242	2.5	20.1
4 21	13 39.87	− 3 5.0	2.256	3.252	3.0	20.1
5 1	13 33.38	− 2 2.6	2.295	3.261	6.0	20.3
5 11	13 27.88	− 1 12.2	2.359	3.270	9.0	20.5
5 21	13 23.81	− 0 36.2	2.448	3.279	11.7	20.7

127142 2002 GP_{114} 4 17.4 196°.59 2°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.51	− 3 22.7	2.144	2.972	12.5	20.1
3 22	14 3.45	− 2 54.7	2.062	2.970	9.5	19.9
4 1	13 56.42	− 2 22.9	2.004	2.968	6.2	19.7
4 11	13 48.04	− 1 51.5	1.973	2.966	3.3	19.5
4 21	13 39.11	− 1 25.0	1.971	2.963	3.8	19.5
5 1	13 30.51	− 1 7.4	1.997	2.960	7.0	19.7
5 11	13 23.07	− 1 1.7	2.049	2.957	10.3	19.9
5 21	13 17.37	− 1 9.4	2.125	2.954	13.3	20.1

68371 2001 OO_{107} 4 17.4 202°.71 0°.8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.72	−14 51.9	2.283	3.081	12.8	20.8
3 22	14 3.63	−14 37.3	2.188	3.077	10.0	20.6
4 1	13 56.57	−14 11.1	2.116	3.071	6.6	20.4
4 11	13 48.12	−13 35.1	2.072	3.065	2.9	20.1
4 21	13 39.05	−12 52.7	2.056	3.059	1.4	20.0
5 1	13 30.25	−12 8.2	2.069	3.052	5.1	20.2
5 11	13 22.55	−11 26.7	2.111	3.044	8.7	20.4
5 21	13 16.57	−10 52.4	2.177	3.036	12.0	20.6

15807 1994 GV_{9} 4 17.4 76°.78 0°.0/17.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 44.84	−10 31.7	42.582	43.385	0.8	23.9
3 22	13 44.23	−10 28.2	42.492	43.387	0.6	23.8
4 1	13 43.55	−10 24.3	42.428	43.388	0.4	23.8
4 11	13 42.82	−10 20.1	42.393	43.390	0.1	23.8
4 21	13 42.08	−10 15.9	42.388	43.391	0.1	23.8
5 1	13 41.34	−10 11.7	42.413	43.393	0.3	23.8
5 11	13 40.65	−10 7.8	42.466	43.394	0.5	23.8
5 21	13 40.01	−10 4.2	42.546	43.396	0.7	23.9

370117 2001 UY_{106} 4 17.4 180°.06 1°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.86	− 9 26.2	2.281	3.093	12.4	22.6
3 22	14 3.62	− 9 1.5	2.195	3.095	9.4	22.4
4 1	13 56.49	− 8 28.9	2.134	3.096	6.0	22.2
4 11	13 48.07	− 7 51.3	2.100	3.096	2.4	21.9
4 21	13 39.11	− 7 12.8	2.095	3.096	2.0	21.9
5 1	13 30.48	− 6 37.7	2.120	3.095	5.7	22.1
5 11	13 22.96	− 6 10.2	2.172	3.093	9.1	22.3
5 21	13 17.12	− 5 52.9	2.248	3.091	12.2	22.5

101484 1998 WF_{35} 4 17.4 125°.65 0°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.53	−11 35.8	2.174	2.988	12.8	20.7
3 22	14 1.92	−11 15.9	2.095	2.995	9.8	20.5
4 1	13 55.42	−10 46.5	2.039	3.001	6.3	20.3
4 11	13 47.64	−10 10.5	2.010	3.007	2.5	20.1
4 21	13 39.37	− 9 31.7	2.010	3.013	1.5	20.0
5 1	13 31.46	− 8 54.6	2.039	3.019	5.4	20.3
5 11	13 24.70	− 8 23.7	2.094	3.024	9.0	20.5
5 21	13 19.64	− 8 2.3	2.173	3.030	12.1	20.7

37080 2000 US_{58} 4 17.4 13°.76 3°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.91	−18 34.6	1.046	1.893	21.3	17.7
3 22	14 0.98	−18 48.1	0.985	1.897	16.9	17.5
4 1	13 55.67	−18 37.3	0.942	1.903	11.8	17.2
4 11	13 47.94	−18 3.4	0.918	1.910	6.3	16.9
4 21	13 39.21	−17 11.5	0.916	1.918	3.5	16.8
5 1	13 31.18	−16 10.8	0.937	1.928	7.8	17.0
5 11	13 25.33	−15 12.5	0.979	1.939	13.1	17.4
5 21	13 22.51	−14 25.5	1.040	1.951	17.8	17.7

308510 2005 UH_{19} 4 17.4 211°.27 1°.8/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.29	−21 52.2	3.070	3.834	10.6	21.9
3 22	13 59.04	−21 6.0	2.964	3.828	8.5	21.8
4 1	13 53.40	−20 5.5	2.882	3.821	5.9	21.6
4 11	13 46.81	−18 52.5	2.829	3.813	3.3	21.4
4 21	13 39.85	−17 30.1	2.806	3.805	1.8	21.3
5 1	13 33.11	−16 2.9	2.813	3.797	3.8	21.4
5 11	13 27.19	−14 36.2	2.851	3.788	6.6	21.6
5 21	13 22.50	−13 14.8	2.916	3.779	9.1	21.7

214259 2005 GO_{8} 4 17.4 54°.47 0°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.54	−13 35.3	1.351	2.186	18.1	20.6
3 22	14 4.43	−13 21.5	1.289	2.198	13.9	20.4
4 1	13 57.45	−12 51.8	1.247	2.211	9.1	20.1
4 11	13 48.53	−12 9.9	1.229	2.225	3.7	19.8
4 21	13 38.91	−11 21.4	1.235	2.239	1.9	19.7
5 1	13 29.98	−10 34.0	1.267	2.253	7.1	20.1
5 11	13 22.94	− 9 55.0	1.323	2.267	11.9	20.4
5 21	13 18.48	− 9 29.3	1.400	2.281	16.0	20.7

352464 2008 AS_{106} 4 17.4 326°.13 7°.1/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.59	+ 8 32.2	2.131	2.972	12.1	20.5
3 22	13 59.72	+ 9 46.8	2.064	2.968	9.7	20.4
4 1	13 54.02	+10 57.5	2.021	2.964	7.8	20.2
4 11	13 47.10	+11 57.1	2.005	2.960	7.1	20.2
4 21	13 39.69	+12 39.8	2.014	2.956	8.2	20.2
5 1	13 32.64	+13 1.3	2.049	2.953	10.4	20.4
5 11	13 26.69	+13 0.0	2.107	2.950	12.8	20.5
5 21	13 22.36	+12 37.1	2.184	2.946	15.1	20.7

403796 2011 SH_{249} 4 17.4 246°.41 3°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.83	− 4 30.6	1.636	2.472	15.3	21.9
3 22	14 6.02	− 3 49.0	1.545	2.457	11.8	21.6
4 1	13 58.53	− 2 59.5	1.476	2.442	7.7	21.3
4 11	13 49.03	− 2 8.0	1.432	2.426	4.0	21.1
4 21	13 38.56	− 1 21.2	1.416	2.409	4.7	21.1
5 1	13 28.36	− 0 45.8	1.426	2.392	8.9	21.3
5 11	13 19.63	− 0 27.2	1.461	2.374	13.3	21.5
5 21	13 13.22	− 0 27.8	1.516	2.356	17.2	21.7

504132 2006 RZ_{89} 4 17.4 121°.01 0°.7/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.69	−11 18.3	2.639	3.450	10.9	22.2
3 22	13 59.39	−10 33.1	2.564	3.463	8.3	22.0
4 1	13 53.61	− 9 39.3	2.514	3.476	5.2	21.8
4 11	13 46.89	− 8 40.4	2.492	3.488	2.0	21.6
4 21	13 39.83	− 7 40.4	2.499	3.501	1.6	21.6
5 1	13 33.10	− 6 43.8	2.536	3.512	4.8	21.9
5 11	13 27.31	− 5 54.9	2.602	3.524	7.8	22.1
5 21	13 22.87	− 5 16.3	2.692	3.535	10.4	22.3

129387 1129 $T\text{-}_{2}$ 4 17.4 234°.40 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.72	−18 38.8	2.340	3.122	13.0	20.8
3 22	14 3.75	−18 42.4	2.234	3.110	10.4	20.6
4 1	13 56.74	−18 33.2	2.152	3.096	7.2	20.3
4 11	13 48.25	−18 11.5	2.096	3.082	3.9	20.1
4 21	13 39.03	−17 39.5	2.068	3.068	2.3	20.0
5 1	13 29.99	−17 0.7	2.070	3.053	5.0	20.1
5 11	13 22.00	−16 20.1	2.099	3.037	8.5	20.3
5 21	13 15.71	−15 42.8	2.153	3.021	11.7	20.5

391344 2006 UG_{118} 4 17.4 259°.34 0°.4/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.04	−11 45.8	2.290	3.106	12.2	21.8
3 22	14 0.03	−11 17.9	2.200	3.101	9.3	21.6
4 1	13 54.23	−10 40.1	2.135	3.097	6.0	21.4
4 11	13 47.20	− 9 55.4	2.096	3.093	2.3	21.1
4 21	13 39.64	− 9 7.7	2.085	3.088	1.6	21.0
5 1	13 32.36	− 8 21.9	2.104	3.083	5.3	21.3
5 11	13 26.09	− 7 42.5	2.149	3.079	8.8	21.5
5 21	13 21.39	− 7 13.0	2.218	3.074	11.9	21.7

338632 2003 SM_{278} 4 17.4 232°.65 3°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.28	−22 0.2	2.355	3.124	13.3	21.3
3 22	14 3.43	−22 13.0	2.251	3.114	10.8	21.1
4 1	13 56.54	−22 11.4	2.170	3.104	7.9	20.9
4 11	13 48.17	−21 55.2	2.115	3.093	4.9	20.7
4 21	13 39.08	−21 25.7	2.087	3.081	3.4	20.6
5 1	13 30.17	−20 46.3	2.089	3.069	5.2	20.7
5 11	13 22.34	−20 2.0	2.117	3.057	8.3	20.8
5 21	13 16.23	−19 18.4	2.171	3.045	11.4	21.0

319999 2007 DM_{27} 4 17.4 61°.73 0°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.50	−10 32.9	1.709	2.538	15.1	21.1
3 22	14 3.15	−10 13.2	1.635	2.543	11.6	20.9
4 1	13 56.45	− 9 42.7	1.583	2.548	7.4	20.7
4 11	13 48.13	− 9 5.1	1.556	2.553	2.9	20.4
4 21	13 39.16	− 8 25.3	1.556	2.558	2.1	20.3
5 1	13 30.65	− 7 49.0	1.583	2.563	6.6	20.6
5 11	13 23.60	− 7 21.5	1.635	2.568	10.8	20.9
5 21	13 18.66	− 7 6.4	1.710	2.574	14.4	21.1

119615 2001 WO_{35} 4 17.4 324°.06 5°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.23	− 0 52.2	1.336	2.194	16.8	18.9
3 22	14 3.54	+ 0 14.8	1.268	2.191	12.9	18.7
4 1	13 56.99	+ 1 27.1	1.220	2.187	8.8	18.4
4 11	13 48.42	+ 2 35.6	1.196	2.184	6.0	18.3
4 21	13 39.00	+ 3 30.9	1.197	2.181	7.3	18.3
5 1	13 30.12	+ 4 5.1	1.222	2.178	11.2	18.5
5 11	13 22.99	+ 4 13.9	1.268	2.175	15.4	18.8
5 21	13 18.41	+ 3 57.1	1.334	2.173	19.1	19.0

427470 2001 VB_{38} 4 17.4 147°.62 0°.8/18.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.42	−15 41.9	2.507	3.298	12.0	23.2
3 22	14 3.09	−15 15.5	2.426	3.311	9.3	23.0
4 1	13 56.05	−14 37.7	2.370	3.323	6.1	22.9
4 11	13 47.89	−13 50.8	2.341	3.334	2.7	22.6
4 21	13 39.33	−12 58.3	2.341	3.345	1.3	22.5
5 1	13 31.13	−12 4.6	2.372	3.354	4.6	22.8
5 11	13 24.01	−11 14.6	2.432	3.363	7.8	23.0
5 21	13 18.44	−10 32.2	2.517	3.371	10.7	23.2

414077 2007 TA_{93} 4 17.4 269°.09 2°.1/15.7 16

3 12	14 6.91	− 9 15.6	1.579	2.417	15.7	21.5
3 22	14 3.15	− 8 24.0	1.486	2.400	12.1	21.2
4 1	13 56.74	− 7 18.1	1.414	2.382	7.8	20.9
4 11	13 48.36	− 6 3.4	1.368	2.365	3.3	20.6
4 21	13 39.00	− 4 47.0	1.347	2.346	3.5	20.5
5 1	13 29.91	− 3 37.8	1.354	2.328	8.3	20.8
5 11	13 22.25	− 2 43.6	1.384	2.310	13.0	21.0
5 21	13 16.90	− 2 9.1	1.435	2.291	17.2	21.2

91662 1999 TL_{106} 4 17.4 165°.94 4°.5/21.9 18

3 12	14 6.72	−26 14.1	2.105	2.864	15.0	19.4
3 22	14 2.41	−26 14.0	2.015	2.866	12.4	19.2
4 1	13 55.92	−25 54.0	1.945	2.868	9.3	19.1
4 11	13 47.93	−25 14.0	1.901	2.869	6.3	18.9
4 21	13 39.29	−24 16.1	1.883	2.871	4.5	18.8
5 1	13 31.02	−23 5.2	1.892	2.872	5.8	18.8
5 11	13 24.03	−21 48.5	1.929	2.872	8.8	19.0
5 21	13 18.96	−20 33.3	1.990	2.873	11.9	19.2

229547 2005 YM_{138} 4 17.4 246°.48 3°.5/13.9 18

3 12	14 8.08	− 2 12.8	2.347	3.172	11.6	21.4
3 22	14 3.14	− 1 23.6	2.245	3.152	8.9	21.2
4 1	13 56.30	− 0 29.7	2.168	3.130	6.0	20.9
4 11	13 48.08	+ 0 24.1	2.119	3.108	3.6	20.7
4 21	13 39.19	+ 1 12.7	2.099	3.084	4.4	20.7
5 1	13 30.46	+ 1 51.0	2.108	3.061	7.4	20.9
5 11	13 22.70	+ 2 15.3	2.143	3.036	10.6	21.0
5 21	13 16.53	+ 2 23.7	2.201	3.010	13.6	21.2

222705 2002 AL_{76} 4 17.4 143°.54 0°.2/17.3 17

3 12	14 7.90	−11 51.6	1.926	2.744	14.1	20.9
3 22	14 3.25	−11 33.8	1.846	2.747	10.8	20.7
4 1	13 56.43	−11 5.2	1.789	2.751	7.0	20.5
4 11	13 48.12	−10 28.7	1.758	2.754	2.7	20.2
4 21	13 39.20	− 9 48.6	1.755	2.758	1.7	20.1
5 1	13 30.68	− 9 10.1	1.779	2.760	5.9	20.4
5 11	13 23.46	− 8 38.3	1.830	2.763	9.9	20.7
5 21	13 18.18	− 8 16.8	1.905	2.766	13.3	20.9

192707 1999 TM_{94} 4 17.4 290°.36 1°.4/16.3 17

3 12	14 7.63	− 8 22.7	1.857	2.685	14.1	20.0
3 22	14 3.44	− 8 3.7	1.750	2.659	10.9	19.7
4 1	13 56.84	− 7 35.7	1.666	2.632	7.0	19.4
4 11	13 48.41	− 7 2.1	1.608	2.605	2.9	19.1
4 21	13 39.00	− 6 27.2	1.577	2.578	2.6	19.0
5 1	13 29.69	− 5 56.6	1.574	2.551	7.1	19.2
5 11	13 21.55	− 5 35.4	1.596	2.524	11.4	19.4
5 21	13 15.42	− 5 27.4	1.640	2.496	15.3	19.6

233786 2008 UH_{6} 4 17.4 270°.37 4°.4/13.5 18

3 12	14 6.17	− 0 50.7	1.929	2.769	13.2	20.5
3 22	14 1.95	− 0 0.7	1.847	2.761	10.1	20.3
4 1	13 55.62	+ 0 52.7	1.789	2.753	6.8	20.1
4 11	13 47.82	+ 1 43.6	1.758	2.745	4.5	19.9
4 21	13 39.38	+ 2 25.9	1.753	2.737	5.4	19.9
5 1	13 31.28	+ 2 54.3	1.775	2.728	8.5	20.1
5 11	13 24.38	+ 3 5.4	1.822	2.720	11.9	20.3
5 21	13 19.34	+ 2 58.2	1.891	2.712	15.0	20.5

505809 2015 BS_{405} 4 17.4 253°.28 3°.0/19.9 18

3 12	14 8.33	−20 31.2	2.073	2.857	14.4	21.6
3 22	14 3.78	−20 35.0	1.967	2.841	11.6	21.3
4 1	13 56.95	−20 23.1	1.883	2.824	8.3	21.1
4 11	13 48.41	−19 55.4	1.824	2.807	4.8	20.9
4 21	13 39.02	−19 13.8	1.792	2.790	3.0	20.7
5 1	13 29.79	−18 22.8	1.788	2.772	5.6	20.8
5 11	13 21.74	−17 28.5	1.812	2.754	9.3	21.0
5 21	13 15.62	−16 37.3	1.859	2.735	12.9	21.2

31590 1999 FS_{34} 4 17.4 18°.43 4°.9/19.9 18

3 12	14 12.00	−18 41.4	1.362	2.176	19.1	17.7
3 22	14 7.47	−19 52.9	1.292	2.181	15.4	17.5
4 1	13 59.72	−20 49.4	1.240	2.188	11.1	17.3
4 11	13 49.59	−21 28.0	1.212	2.195	6.8	17.0
4 21	13 38.38	−21 48.2	1.208	2.203	4.9	16.9
5 1	13 27.69	−21 52.6	1.229	2.213	7.7	17.1
5 11	13 18.97	−21 47.4	1.274	2.223	11.9	17.4
5 21	13 13.15	−21 39.6	1.341	2.234	15.8	17.6

502055 2015 AC_{166} 4 17.4 315°.17 5°.5/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.42	− 0 3.9	1.620	2.473	14.6	20.4
3 22	14 1.01	+ 1 2.8	1.541	2.461	11.3	20.2
4 1	13 55.21	+ 2 13.9	1.485	2.450	7.8	20.0
4 11	13 47.71	+ 3 21.4	1.454	2.439	5.6	19.8
4 21	13 39.44	+ 4 17.5	1.448	2.428	6.8	19.8
5 1	13 31.53	+ 4 55.1	1.468	2.418	10.2	20.0
5 11	13 25.01	+ 5 9.9	1.510	2.408	13.9	20.2
5 21	13 20.59	+ 5 1.3	1.572	2.398	17.3	20.4

417046 2005 UR_{140} 4 17.4 38°.89 1°.1/16.7 17

3 12	14 8.36	− 9 7.3	1.420	2.262	17.0	20.8
3 22	14 4.09	− 8 58.7	1.362	2.277	12.9	20.6
4 1	13 57.15	− 8 40.2	1.324	2.292	8.2	20.4
4 11	13 48.43	− 8 15.8	1.311	2.308	3.2	20.1
4 21	13 39.10	− 7 50.8	1.323	2.325	2.5	20.1
5 1	13 30.45	− 7 30.7	1.360	2.342	7.3	20.4
5 11	13 23.57	− 7 20.4	1.422	2.360	11.8	20.7
5 21	13 19.12	− 7 22.7	1.505	2.378	15.6	21.0

268332 2005 SM_{96} 4 17.4 144°.56 1°.2/16.2 18

3 12	14 7.92	− 9 26.9	2.302	3.116	12.2	22.4
3 22	14 2.81	− 8 45.1	2.227	3.128	9.2	22.2
4 1	13 55.92	− 7 55.0	2.176	3.139	5.8	22.0
4 11	13 47.87	− 7 0.3	2.154	3.150	2.3	21.8
4 21	13 39.41	− 6 5.8	2.160	3.160	2.2	21.8
5 1	13 31.34	− 5 16.2	2.196	3.169	5.7	22.1
5 11	13 24.39	− 4 36.0	2.260	3.178	9.0	22.3
5 21	13 19.08	− 4 7.9	2.348	3.186	11.9	22.5

213785 2003 FZ_{4} 4 17.4 325°.10 0°.2/17.3 17

3 12	14 8.73	− 9 26.4	1.971	2.791	13.7	19.6
3 22	14 4.03	− 9 44.3	1.876	2.779	10.6	19.4
4 1	13 57.07	− 9 56.1	1.804	2.767	6.9	19.1
4 11	13 48.46	−10 3.4	1.758	2.755	2.7	18.8
4 21	13 39.04	−10 8.3	1.741	2.744	1.6	18.7
5 1	13 29.83	−10 13.9	1.751	2.733	5.9	19.0
5 11	13 21.82	−10 23.4	1.788	2.722	9.9	19.2
5 21	13 15.74	−10 39.4	1.848	2.712	13.5	19.4

87654 2000 RE_{88} 4 17.4 248°.60 0°.3/17.8 18

3 12	14 3.30	−14 50.3	2.396	3.202	12.1	20.2
3 22	13 59.45	−14 12.6	2.299	3.194	9.3	19.9
4 1	13 53.88	−13 22.4	2.227	3.185	6.1	19.7
4 11	13 47.11	−12 22.6	2.182	3.177	2.5	19.5
4 21	13 39.82	−11 17.2	2.165	3.168	1.2	19.4
5 1	13 32.78	−10 11.5	2.178	3.160	4.9	19.6
5 11	13 26.70	− 9 10.8	2.218	3.151	8.4	19.8
5 21	13 22.13	− 8 19.7	2.282	3.142	11.5	20.0

140190 2001 SJ_{214} 4 17.4 201°.10 1°.2/16.2 17 R

3 12	14 5.04	− 8 42.5	2.539	3.356	11.1	21.0
3 22	14 0.59	− 8 11.8	2.451	3.353	8.4	20.9
4 1	13 54.52	− 7 34.0	2.387	3.350	5.4	20.7
4 11	13 47.35	− 6 52.3	2.350	3.347	2.2	20.4
4 21	13 39.70	− 6 10.5	2.343	3.343	2.1	20.4
5 1	13 32.32	− 5 32.6	2.366	3.339	5.3	20.6
5 11	13 25.86	− 5 2.4	2.415	3.335	8.4	20.8
5 21	13 20.83	− 4 42.5	2.489	3.330	11.2	21.0

150829 2001 SE_{24} 4 17.4 135°.05 1°.8/19.1 17

3 12	14 10.47	−17 46.6	2.247	3.032	13.4	21.7
3 22	14 4.89	−17 43.8	2.169	3.047	10.5	21.6
4 1	13 57.34	−17 28.0	2.113	3.060	7.2	21.4
4 11	13 48.46	−17 0.5	2.085	3.073	3.7	21.2
4 21	13 39.10	−16 24.2	2.085	3.086	2.0	21.1
5 1	13 30.15	−15 43.2	2.114	3.098	4.9	21.3
5 11	13 22.43	−15 2.7	2.172	3.109	8.3	21.5
5 21	13 16.52	−14 27.2	2.254	3.119	11.4	21.7

393089 2013 AO_{108} 4 17.4 172°.20 2°.1/14.9 17

3 12	14 3.19	− 5 29.7	2.652	3.477	10.5	21.6
3 22	13 59.08	− 4 45.5	2.570	3.478	7.9	21.4
4 1	13 53.49	− 3 56.2	2.514	3.479	5.0	21.2
4 11	13 46.92	− 3 5.7	2.486	3.480	2.5	21.1
4 21	13 39.96	− 2 18.0	2.488	3.481	3.0	21.1
5 1	13 33.26	− 1 37.3	2.518	3.482	5.7	21.3
5 11	13 27.44	− 1 6.7	2.575	3.482	8.5	21.4
5 21	13 22.94	− 0 48.3	2.656	3.482	11.0	21.6

300033 2006 UG_{109} 4 17.4 189°.70 3°.4/13.9 17

3 12	14 5.87	− 0 24.3	2.562	3.390	10.7	21.6
3 22	14 1.15	+ 0 9.4	2.482	3.389	8.2	21.4
4 1	13 54.84	+ 0 44.6	2.428	3.388	5.5	21.2
4 11	13 47.46	+ 1 17.1	2.401	3.387	3.5	21.1
4 21	13 39.65	+ 1 43.0	2.402	3.386	4.2	21.1
5 1	13 32.13	+ 1 59.1	2.433	3.384	6.6	21.3
5 11	13 25.55	+ 2 3.0	2.490	3.383	9.3	21.4
5 21	13 20.39	+ 1 54.1	2.571	3.381	11.8	21.6

219543 2001 QB_{293} 4 17.4 238°.95 4°.6/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.55	−24 23.8	1.952	2.723	15.6	20.5
3 22	14 4.10	−24 38.1	1.855	2.715	12.9	20.3
4 1	13 57.22	−24 33.6	1.777	2.706	9.6	20.0
4 11	13 48.54	−24 9.3	1.724	2.697	6.4	19.8
4 21	13 39.00	−23 26.5	1.698	2.688	4.6	19.7
5 1	13 29.72	−22 29.7	1.698	2.679	6.2	19.8
5 11	13 21.78	−21 25.9	1.725	2.669	9.6	19.9
5 21	13 15.94	−20 22.5	1.776	2.659	13.1	20.1

389269 2009 GE_4 4 17.4 33°.92 0°.1/17.5 17

3 12	14 17.00	− 8 2.5	1.923	2.732	14.5	20.1
3 22	14 10.18	− 8 52.1	1.845	2.741	11.1	19.9
4 1	14 0.92	− 9 38.1	1.791	2.750	7.2	19.7
4 11	13 49.95	−10 20.7	1.764	2.760	2.9	19.4
4 21	13 38.28	−11 0.5	1.767	2.770	1.6	19.4
5 1	13 27.05	−11 38.7	1.800	2.780	5.9	19.7
5 11	13 17.32	−12 17.1	1.860	2.791	9.9	19.9
5 21	13 9.79	−12 57.6	1.946	2.803	13.2	20.2

377868 2006 CG_{21} 4 17.4 0°.73 8°.7/13.4 17

3 12	14 10.53	+ 8 51.9	1.266	2.122	17.7	18.9
3 22	14 6.16	+ 9 5.0	1.204	2.119	14.2	18.6
4 1	13 58.72	+ 9 7.3	1.162	2.117	10.8	18.4
4 11	13 49.14	+ 8 50.9	1.143	2.117	8.8	18.3
4 21	13 38.75	+ 8 10.2	1.147	2.118	9.5	18.4
5 1	13 29.05	+ 7 3.5	1.174	2.121	12.6	18.5
5 11	13 21.33	+ 5 33.2	1.224	2.125	16.2	18.8
5 21	13 16.37	+ 3 44.4	1.292	2.131	19.6	19.0

385760 2005 YF_{71} 4 17.4 241°.53 1°.9/19.1 18

3 12	14 9.03	−17 53.3	2.292	3.078	13.1	21.1
3 22	14 4.08	−17 48.7	2.182	3.061	10.4	20.9
4 1	13 57.03	−17 30.9	2.096	3.043	7.2	20.7
4 11	13 48.45	−17 0.6	2.036	3.025	3.7	20.4
4 21	13 39.08	−16 20.2	2.004	3.005	2.0	20.2
5 1	13 29.87	−15 33.7	2.002	2.985	5.1	20.4
5 11	13 21.70	−14 46.6	2.027	2.965	8.8	20.6
5 21	13 15.28	−14 4.1	2.078	2.943	12.2	20.8

405036 2001 RT_{119} 4 17.4 225°.80 0°.4/17.7 16

3 12	14 12.39	−12 59.7	1.746	2.558	15.6	22.2
3 22	14 7.16	−12 53.7	1.651	2.548	12.1	21.9
4 1	13 59.27	−12 35.3	1.578	2.538	8.0	21.7
4 11	13 49.40	−12 6.3	1.531	2.526	3.3	21.4
4 21	13 38.56	−11 30.5	1.511	2.514	1.7	21.2
5 1	13 27.99	−10 53.3	1.519	2.502	6.6	21.5
5 11	13 18.86	−10 20.9	1.553	2.488	11.1	21.7
5 21	13 12.04	− 9 58.2	1.610	2.474	15.2	21.9

347303 2011 PS_3 4 17.4 122°.06 5°.5/23.3 18

3 12	14 6.54	−29 34.2	2.352	3.086	14.3	20.7
3 22	14 2.15	−29 53.2	2.262	3.090	12.0	20.5
4 1	13 55.73	−29 53.4	2.192	3.093	9.5	20.4
4 11	13 47.89	−29 33.8	2.146	3.097	7.1	20.2
4 21	13 39.43	−28 55.2	2.127	3.100	5.6	20.1
5 1	13 31.30	−28 1.1	2.135	3.103	6.2	20.2
5 11	13 24.34	−26 57.4	2.169	3.106	8.3	20.3
5 21	13 19.16	−25 50.6	2.229	3.109	10.9	20.5

395926 2013 AX_{95} 4 17.4 113°.58 5°.0/12.3 18

3 12	14 6.49	+ 4 53.7	2.475	3.305	11.0	21.1
3 22	14 1.57	+ 5 36.8	2.412	3.315	8.5	21.0
4 1	13 55.06	+ 6 17.5	2.374	3.325	6.2	20.9
4 11	13 47.54	+ 6 51.0	2.363	3.335	5.0	20.8
4 21	13 39.66	+ 7 13.2	2.380	3.345	5.8	20.9
5 1	13 32.17	+ 7 21.3	2.425	3.354	7.9	21.0
5 11	13 25.70	+ 7 13.8	2.496	3.363	10.3	21.2
5 21	13 20.71	+ 6 51.3	2.589	3.372	12.5	21.3

3656 Hemingway 4 17.4 321°.27 0°.8/17.9 18 R

3 12	14 5.39	−13 59.7	1.176	2.024	19.3	16.3
3 22	14 2.86	−13 54.4	1.093	2.009	15.2	15.9
4 1	13 57.03	−13 30.5	1.029	1.996	10.1	15.6
4 11	13 48.65	−12 50.5	0.987	1.983	4.4	15.2
4 21	13 38.96	−11 59.5	0.967	1.971	2.1	15.0
5 1	13 29.62	−11 6.3	0.971	1.959	8.2	15.4
5 11	13 22.18	−10 20.6	0.997	1.948	13.9	15.6
5 21	13 17.70	− 9 49.7	1.041	1.939	19.0	15.9

351518 2005 SO_{84} 4 17.4 204°.95 0°.1/17.5 18

3 12	14 4.02	−12 52.9	2.759	3.563	10.7	22.0
3 22	13 59.74	−12 29.5	2.666	3.559	8.2	21.9
4 1	13 53.95	−11 57.3	2.597	3.556	5.3	21.7
4 11	13 47.13	−11 18.6	2.556	3.552	2.1	21.4
4 21	13 39.88	−10 36.4	2.545	3.548	1.2	21.3
5 1	13 32.84	− 9 54.6	2.563	3.543	4.4	21.6
5 11	13 26.66	− 9 17.0	2.609	3.538	7.4	21.8
5 21	13 21.80	− 8 46.6	2.680	3.533	10.1	21.9

471385 2011 SR_{122} 4 17.4 222°.97 0°.7/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.58	− 9 56.3	2.797	3.607	10.4	22.3
3 22	14 0.16	− 9 28.9	2.699	3.598	7.9	22.1
4 1	13 54.22	− 8 54.4	2.627	3.589	5.0	21.9
4 11	13 47.25	− 8 15.2	2.583	3.579	2.0	21.7
4 21	13 39.82	− 7 34.8	2.568	3.569	1.6	21.6
5 1	13 32.58	− 6 56.7	2.583	3.559	4.8	21.8
5 11	13 26.16	− 6 24.5	2.627	3.548	7.8	22.0
5 21	13 21.04	− 6 0.9	2.695	3.537	10.4	22.2

208491 2001 VH_{73} 4 17.4 55°.61 0°.4/17.1 17

3 12	14 5.20	−11 19.8	2.075	2.895	13.1	20.7
3 22	14 1.00	−10 59.4	2.002	2.905	10.0	20.5
4 1	13 54.90	−10 29.3	1.952	2.915	6.4	20.3
4 11	13 47.53	− 9 52.9	1.929	2.925	2.5	20.0
4 21	13 39.68	− 9 14.1	1.933	2.936	1.6	20.0
5 1	13 32.24	− 8 37.7	1.966	2.947	5.5	20.3
5 11	13 25.98	− 8 8.0	2.025	2.957	9.1	20.5
5 21	13 21.45	− 7 48.4	2.108	2.968	12.2	20.7

199101 2005 YR_{31} 4 17.4 128°.98 4°.0/14.5 18

3 12	14 11.19	− 3 36.3	1.587	2.426	15.6	21.0
3 22	14 6.00	− 2 42.5	1.523	2.437	11.8	20.8
4 1	13 58.29	− 1 42.6	1.482	2.448	7.7	20.5
4 11	13 48.91	− 0 43.8	1.467	2.459	4.3	20.4
4 21	13 38.94	+ 0 7.0	1.478	2.469	5.1	20.4
5 1	13 29.59	+ 0 43.4	1.517	2.478	8.9	20.7
5 11	13 21.90	+ 1 1.2	1.579	2.487	12.8	20.9
5 21	13 16.50	+ 0 59.6	1.663	2.496	16.2	21.2

341577 2007 UU_{61} 4 17.4 87°.70 1°.1/18.7 18

3 12	14 4.92	−18 1.2	2.278	3.072	13.0	21.1
3 22	14 0.58	−17 18.0	2.208	3.093	10.1	20.9
4 1	13 54.50	−16 20.5	2.162	3.114	6.7	20.7
4 11	13 47.33	−15 11.7	2.142	3.134	3.1	20.5
4 21	13 39.82	−13 56.3	2.152	3.155	1.4	20.4
5 1	13 32.75	−12 40.1	2.190	3.175	4.7	20.7
5 11	13 26.83	−11 29.1	2.257	3.194	8.0	21.0
5 21	13 22.52	−10 27.8	2.349	3.214	11.0	21.2

174638 2003 SG_{138} 4 17.4 174°.86 0°.9/16.7 18

3 12	14 12.67	− 9 7.3	2.055	2.867	13.6	20.7
3 22	14 6.77	− 8 55.4	1.971	2.870	10.4	20.5
4 1	13 58.68	− 8 35.6	1.911	2.873	6.6	20.3
4 11	13 49.07	− 8 10.9	1.878	2.875	2.6	20.0
4 21	13 38.83	− 7 45.0	1.874	2.876	2.0	20.0
5 1	13 28.96	− 7 22.0	1.899	2.876	6.1	20.3
5 11	13 20.40	− 7 6.2	1.952	2.875	9.9	20.5
5 21	13 13.79	− 7 0.2	2.028	2.874	13.2	20.7

304105 2006 HF_{78} 4 17.4 345°.35 2°.2/16.2 16

3 12	14 9.80	− 6 30.6	1.290	2.139	17.8	20.0
3 22	14 5.75	− 6 24.6	1.216	2.135	13.7	19.8
4 1	13 58.60	− 6 10.8	1.162	2.132	8.8	19.5
4 11	13 49.18	− 5 53.8	1.132	2.129	3.7	19.2
4 21	13 38.75	− 5 38.9	1.126	2.126	3.5	19.1
5 1	13 28.81	− 5 32.0	1.145	2.124	8.7	19.4
5 11	13 20.75	− 5 37.7	1.186	2.123	13.7	19.7
5 21	13 15.46	− 5 58.5	1.248	2.122	18.0	20.0

140197 2001 SC_{220} 4 17.4 201°.38 2°.2/15.0 18

3 12	14 3.38	− 6 58.0	2.287	3.116	11.8	20.6
3 22	13 59.49	− 6 2.4	2.205	3.115	8.9	20.4
4 1	13 53.89	− 4 59.2	2.147	3.113	5.7	20.2
4 11	13 47.13	− 3 53.1	2.117	3.112	2.7	20.0
4 21	13 39.91	− 2 49.3	2.116	3.111	3.2	20.0
5 1	13 32.98	− 1 53.2	2.143	3.109	6.3	20.2
5 11	13 27.07	− 1 9.2	2.197	3.108	9.6	20.4
5 21	13 22.68	− 0 39.8	2.274	3.106	12.4	20.6

469221 2016 HJ_7 4 17.4 295°.53 2°.4/15.4 17

3 12	14 5.00	− 7 50.8	1.678	2.518	14.8	21.2
3 22	14 1.44	− 7 1.1	1.593	2.508	11.3	20.9
4 1	13 55.51	− 6 0.4	1.530	2.499	7.2	20.6
4 11	13 47.87	− 4 54.0	1.493	2.489	3.2	20.4
4 21	13 39.47	− 3 48.9	1.482	2.480	3.6	20.4
5 1	13 31.41	− 2 52.4	1.498	2.470	7.9	20.6
5 11	13 24.71	− 2 10.7	1.538	2.461	12.1	20.8
5 21	13 20.08	− 1 47.5	1.599	2.452	15.8	21.0

419953 2011 BF_{96} 4 17.4 145°.90 2°.2/15.5 17

3 12	14 9.04	− 6 18.2	2.079	2.902	13.0	22.3
3 22	14 3.87	− 5 42.2	2.005	2.911	9.8	22.1
4 1	13 56.72	− 4 59.8	1.955	2.920	6.3	21.9
4 11	13 48.26	− 4 15.3	1.933	2.928	2.9	21.7
4 21	13 39.31	− 3 33.6	1.939	2.935	3.1	21.7
5 1	13 30.78	− 2 59.5	1.973	2.942	6.6	21.9
5 11	13 23.49	− 2 36.8	2.035	2.948	10.1	22.1
5 21	13 18.00	− 2 27.6	2.119	2.954	13.1	22.3

168538 1999 VA_{85} 4 17.4 41°.69 1°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.45	− 9 34.2	1.324	2.169	17.8	20.0
3 22	14 4.41	− 9 18.0	1.264	2.180	13.5	19.8
4 1	13 57.50	− 8 50.3	1.224	2.192	8.6	19.5
4 11	13 48.65	− 8 15.6	1.207	2.205	3.4	19.3
4 21	13 39.11	− 7 40.0	1.216	2.218	2.6	19.2
5 1	13 30.25	− 7 10.2	1.250	2.232	7.8	19.6
5 11	13 23.28	− 6 51.9	1.307	2.246	12.5	19.9
5 21	13 18.88	− 6 48.4	1.385	2.260	16.5	20.2

148685 2001 SF_{230} 4 17.4 170°.37 0°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.43	−12 58.1	2.156	2.963	13.2	21.2
3 22	14 3.47	−12 35.0	2.071	2.967	10.1	21.0
4 1	13 56.52	−12 0.9	2.010	2.970	6.6	20.8
4 11	13 48.20	−11 18.5	1.976	2.972	2.6	20.5
4 21	13 39.34	−10 31.8	1.971	2.974	1.4	20.4
5 1	13 30.82	− 9 45.8	1.994	2.975	5.4	20.7
5 11	13 23.49	− 9 5.4	2.045	2.976	9.1	20.9
5 21	13 17.93	− 8 34.6	2.120	2.976	12.3	21.1

506276 2016 RY_{26} 4 17.4 242°.46 4°.4/22.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.48	−26 58.2	2.633	3.376	12.7	21.2
3 22	14 1.17	−27 10.2	2.530	3.368	10.6	21.0
4 1	13 55.05	−27 6.4	2.448	3.361	8.2	20.8
4 11	13 47.64	−26 46.3	2.392	3.353	5.8	20.7
4 21	13 39.63	−26 10.7	2.363	3.344	4.4	20.6
5 1	13 31.83	−25 22.9	2.362	3.336	5.3	20.6
5 11	13 24.99	−24 27.6	2.389	3.327	7.6	20.7
5 21	13 19.70	−23 30.3	2.441	3.319	10.2	20.9

359699 2011 SX_{218} 4 17.4 160°.25 3°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.96	− 4 30.4	1.859	2.692	13.9	22.0
3 22	14 4.02	− 3 10.5	1.788	2.699	10.5	21.8
4 1	13 56.92	− 1 43.0	1.741	2.706	6.9	21.6
4 11	13 48.36	− 0 14.9	1.721	2.712	4.0	21.4
4 21	13 39.27	+ 1 6.1	1.730	2.717	5.0	21.5
5 1	13 30.65	+ 2 12.9	1.766	2.721	8.4	21.7
5 11	13 23.41	+ 3 0.5	1.828	2.725	12.0	21.9
5 21	13 18.13	+ 3 27.1	1.911	2.727	15.1	22.1

213065 1999 RT_{127} 4 17.4 248°.64 0°.5/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.34	−12 33.7	1.881	2.698	14.4	21.1
3 22	14 3.91	−11 56.5	1.779	2.680	11.2	20.9
4 1	13 57.11	−11 5.1	1.700	2.662	7.3	20.6
4 11	13 48.55	−10 2.7	1.646	2.643	2.9	20.3
4 21	13 39.11	− 8 54.7	1.621	2.623	1.9	20.2
5 1	13 29.87	− 7 47.7	1.624	2.603	6.6	20.4
5 11	13 21.89	− 6 49.0	1.653	2.582	11.0	20.6
5 21	13 15.91	− 6 3.9	1.704	2.561	14.8	20.8

507731 2013 WG_{61} 4 17.4 226°.13 10°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.72	+23 58.9	2.482	3.262	12.4	22.3
3 22	14 8.05	+25 4.9	2.415	3.249	11.2	22.2
4 1	13 59.36	+25 56.6	2.371	3.235	10.4	22.1
4 11	13 49.31	+26 27.2	2.352	3.221	10.4	22.1
4 21	13 38.74	+26 31.7	2.358	3.205	11.3	22.1
5 1	13 28.58	+26 8.1	2.388	3.189	12.7	22.2
5 11	13 19.66	+25 17.4	2.440	3.173	14.3	22.3
5 21	13 12.56	+24 3.3	2.510	3.155	15.9	22.4

382795 2003 TF_{20} 4 17.4 240°.81 3°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.22	−23 56.9	2.354	3.118	13.5	21.2
3 22	14 1.90	−23 45.3	2.247	3.105	11.0	21.0
4 1	13 55.61	−23 16.2	2.161	3.092	8.1	20.8
4 11	13 47.89	−22 29.8	2.101	3.078	5.1	20.6
4 21	13 39.50	−21 28.4	2.069	3.063	3.4	20.4
5 1	13 31.33	−20 16.5	2.066	3.048	5.1	20.5
5 11	13 24.21	−19 0.6	2.091	3.033	8.3	20.7
5 21	13 18.79	−17 47.1	2.141	3.017	11.4	20.9

257237 2009 DU_{125} 4 17.4 306°.24 0°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.49	−12 5.7	1.383	2.226	17.2	20.8
3 22	14 1.72	−11 29.8	1.291	2.207	13.4	20.4
4 1	13 56.08	−10 36.3	1.220	2.188	8.7	20.1
4 11	13 48.24	− 9 29.3	1.171	2.169	3.4	19.8
4 21	13 39.28	− 8 15.7	1.148	2.151	2.5	19.6
5 1	13 30.57	− 7 4.8	1.150	2.133	8.1	19.9
5 11	13 23.44	− 6 6.1	1.174	2.115	13.4	20.2
5 21	13 18.85	− 5 26.0	1.219	2.098	18.0	20.4

201563 2003 SK_{16} 4 17.4 164°.97 1°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.08	− 8 6.5	2.490	3.304	11.4	21.3
3 22	14 2.13	− 7 36.8	2.407	3.309	8.6	21.1
4 1	13 55.51	− 7 0.6	2.350	3.314	5.5	20.9
4 11	13 47.78	− 6 21.0	2.321	3.317	2.3	20.7
4 21	13 39.61	− 5 42.0	2.322	3.321	2.2	20.7
5 1	13 31.75	− 5 7.5	2.351	3.324	5.4	20.9
5 11	13 24.88	− 4 41.0	2.409	3.326	8.6	21.1
5 21	13 19.52	− 4 25.0	2.490	3.328	11.3	21.3

161934 2007 EJ_{185} 4 17.4 44°.39 6°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.26	− 1 15.5	1.439	2.299	15.7	19.8
3 22	14 0.07	+ 0 37.8	1.392	2.316	11.9	19.6
4 1	13 54.49	+ 2 35.8	1.367	2.333	8.2	19.4
4 11	13 47.40	+ 4 27.2	1.368	2.351	6.2	19.3
4 21	13 39.85	+ 6 1.6	1.394	2.369	7.7	19.4
5 1	13 32.96	+ 7 10.9	1.445	2.388	11.0	19.7
5 11	13 27.65	+ 7 51.3	1.519	2.407	14.4	19.9
5 21	13 24.49	+ 8 3.5	1.611	2.426	17.4	20.2

98767 2000 YV_{72} 4 17.5 29°.37 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.96	−10 32.2	1.255	2.106	18.2	18.9
3 22	14 2.70	− 9 59.0	1.193	2.112	13.9	18.6
4 1	13 56.51	− 9 11.2	1.150	2.120	8.8	18.3
4 11	13 48.31	− 8 14.5	1.130	2.128	3.4	18.0
4 21	13 39.34	− 7 16.4	1.135	2.137	2.9	18.0
5 1	13 31.03	− 6 25.5	1.164	2.147	8.2	18.4
5 11	13 24.60	− 5 49.2	1.217	2.157	13.1	18.7
5 21	13 20.78	− 5 31.2	1.288	2.167	17.3	18.9

164453 2006 DH_{65} 4 17.5 15°.78 3°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.38	− 7 55.4	1.300	2.154	17.5	19.5
3 22	14 2.21	− 6 52.2	1.232	2.155	13.3	19.2
4 1	13 56.19	− 5 35.5	1.185	2.156	8.4	18.9
4 11	13 48.19	− 4 12.7	1.162	2.158	3.9	18.7
4 21	13 39.40	− 2 53.7	1.164	2.161	4.6	18.7
5 1	13 31.18	− 1 48.1	1.190	2.163	9.3	19.0
5 11	13 24.73	− 1 3.2	1.239	2.166	14.0	19.2
5 21	13 20.82	− 0 42.0	1.307	2.170	18.1	19.5

18000 1999 JX_{80} 4 17.5 39°.96 2°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.92	− 9 57.3	1.584	2.427	15.4	17.4
3 22	13 59.79	− 8 29.1	1.516	2.433	11.6	17.1
4 1	13 54.36	− 6 46.1	1.471	2.440	7.3	16.9
4 11	13 47.39	− 4 56.1	1.451	2.448	3.2	16.7
4 21	13 39.86	− 3 8.7	1.459	2.455	3.9	16.7
5 1	13 32.84	− 1 33.6	1.493	2.463	8.1	17.0
5 11	13 27.27	− 0 18.3	1.552	2.472	12.2	17.3
5 21	13 23.77	+ 0 33.6	1.632	2.480	15.8	17.5

143517 2003 ES_{9} 4 17.5 171°.93 1°.3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.97	−10 31.0	1.932	2.756	13.8	20.2
3 22	14 1.79	− 9 39.5	1.851	2.758	10.5	20.0
4 1	13 55.53	− 8 36.3	1.794	2.759	6.7	19.8
4 11	13 47.85	− 7 26.0	1.763	2.760	2.6	19.5
4 21	13 39.60	− 6 14.7	1.761	2.761	2.5	19.5
5 1	13 31.73	− 5 9.1	1.786	2.762	6.5	19.8
5 11	13 25.11	− 4 15.0	1.838	2.762	10.4	20.0
5 21	13 20.35	− 3 36.3	1.912	2.762	13.7	20.2

385859 2006 QY_{150} 4 17.5 330°.70 4°.3/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.54	− 2 8.9	1.958	2.803	12.8	20.5
3 22	13 59.15	− 0 53.9	1.882	2.799	9.7	20.2
4 1	13 53.82	+ 0 26.6	1.830	2.795	6.5	20.0
4 11	13 47.17	+ 1 45.9	1.804	2.791	4.4	19.9
4 21	13 39.97	+ 2 56.8	1.806	2.788	5.5	20.0
5 1	13 33.11	+ 3 53.2	1.834	2.784	8.5	20.1
5 11	13 27.40	+ 4 30.6	1.887	2.781	11.8	20.3
5 21	13 23.40	+ 4 47.5	1.961	2.778	14.7	20.5

210469 1995 SA_{9} 4 17.5 296°.86 0°.4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.77	−13 26.5	2.115	2.929	13.1	20.5
3 22	14 0.88	−13 12.1	2.018	2.917	10.2	20.3
4 1	13 54.99	−12 46.4	1.944	2.904	6.7	20.1
4 11	13 47.67	−12 11.6	1.897	2.892	2.8	19.8
4 21	13 39.68	−11 31.4	1.877	2.880	1.4	19.7
5 1	13 31.91	−10 50.4	1.885	2.868	5.4	19.9
5 11	13 25.22	−10 13.7	1.920	2.857	9.2	20.1
5 21	13 20.25	− 9 45.6	1.978	2.845	12.6	20.3

504511 2008 QT_{13} 4 17.5 192°.84 2°.1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.99	−20 35.4	2.739	3.508	11.7	23.4
3 22	14 2.08	−20 16.8	2.640	3.506	9.3	23.2
4 1	13 55.52	−19 44.7	2.564	3.503	6.5	23.1
4 11	13 47.81	−19 0.3	2.515	3.499	3.6	22.9
4 21	13 39.62	−18 6.1	2.496	3.495	2.1	22.7
5 1	13 31.68	−17 6.2	2.507	3.490	4.3	22.9
5 11	13 24.67	−16 5.6	2.546	3.484	7.2	23.1
5 21	13 19.11	−15 8.9	2.612	3.477	10.0	23.2

162631 2000 SN_{146} 4 17.5 156°.15 0°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.04	−15 29.3	2.007	2.805	14.3	21.6
3 22	14 5.59	−15 8.8	1.926	2.815	11.1	21.4
4 1	13 57.95	−14 34.6	1.868	2.823	7.4	21.1
4 11	13 48.82	−13 49.2	1.836	2.830	3.3	20.9
4 21	13 39.11	−12 56.6	1.834	2.837	1.5	20.8
5 1	13 29.84	−12 2.4	1.860	2.843	5.5	21.1
5 11	13 21.92	−11 12.5	1.913	2.848	9.4	21.3
5 21	13 15.97	−10 31.8	1.991	2.852	12.8	21.5

291836 2006 LD_7 4 17.5 262°.22 4°.3/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.72	− 2 34.8	1.786	2.623	14.2	21.5
3 22	14 4.30	− 1 36.3	1.689	2.602	10.9	21.2
4 1	13 57.43	− 0 30.7	1.615	2.580	7.3	20.9
4 11	13 48.73	+ 0 35.6	1.567	2.557	4.5	20.7
4 21	13 39.11	+ 1 35.4	1.547	2.534	5.5	20.7
5 1	13 29.68	+ 2 21.5	1.554	2.510	9.2	20.9
5 11	13 21.53	+ 2 48.6	1.585	2.485	13.2	21.0
5 21	13 15.44	+ 2 54.5	1.636	2.461	16.8	21.2

175060 2004 FC_{158} 4 17.5 219°.13 0°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.02	−14 57.5	2.222	3.028	12.9	21.0
3 22	14 0.90	−14 41.3	2.135	3.028	10.0	20.8
4 1	13 54.90	−14 13.2	2.071	3.028	6.6	20.6
4 11	13 47.61	−13 35.6	2.033	3.027	2.9	20.3
4 21	13 39.78	−12 51.8	2.024	3.027	1.3	20.2
5 1	13 32.24	−12 6.6	2.043	3.027	5.0	20.5
5 11	13 25.79	−11 24.9	2.089	3.026	8.6	20.7
5 21	13 20.99	−10 50.8	2.159	3.026	11.7	20.9

95672 2002 GX_{170} 4 17.5 7°.50 2°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.78	−20 50.9	2.167	2.957	13.7	18.9
3 22	13 59.30	−20 35.6	2.080	2.958	10.9	18.7
4 1	13 53.91	−20 4.0	2.015	2.959	7.7	18.5
4 11	13 47.22	−19 17.6	1.975	2.960	4.4	18.3
4 21	13 39.99	−18 19.6	1.962	2.961	2.5	18.2
5 1	13 33.08	−17 15.1	1.977	2.963	4.9	18.4
5 11	13 27.29	−16 10.5	2.020	2.965	8.3	18.6
5 21	13 23.18	−15 11.4	2.086	2.968	11.5	18.8

279776 1999 TA_{122} 4 17.5 270°.94 1°.2/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.76	−15 42.8	1.528	2.345	17.2	21.5
3 22	14 6.61	−15 28.7	1.419	2.317	13.7	21.2
4 1	13 59.39	−14 56.2	1.330	2.289	9.3	20.8
4 11	13 49.68	−14 6.4	1.265	2.260	4.2	20.5
4 21	13 38.55	−13 3.1	1.226	2.230	2.0	20.2
5 1	13 27.41	−11 53.7	1.214	2.199	7.4	20.5
5 11	13 17.75	−10 47.6	1.226	2.167	12.9	20.7
5 21	13 10.67	− 9 53.3	1.259	2.135	17.8	20.9

29464 Leonmiš 4 17.5 197°.43 1°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.29	− 9 52.8	2.197	3.012	12.7	20.7
3 22	14 3.37	− 9 21.4	2.108	3.009	9.7	20.4
4 1	13 56.49	− 8 40.9	2.043	3.006	6.2	20.2
4 11	13 48.26	− 7 54.7	2.005	3.002	2.4	20.0
4 21	13 39.44	− 7 7.1	1.996	2.997	2.1	19.9
5 1	13 30.91	− 6 23.1	2.016	2.992	5.9	20.2
5 11	13 23.51	− 5 47.3	2.063	2.986	9.5	20.4
5 21	13 17.83	− 5 23.1	2.134	2.980	12.7	20.6

28832 Akana 4 17.5 112°.11 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.28	−10 33.2	2.201	3.018	12.6	19.4
3 22	14 1.78	−10 13.2	2.122	3.024	9.6	19.2
4 1	13 55.42	− 9 44.6	2.066	3.029	6.1	19.0
4 11	13 47.81	− 9 10.4	2.038	3.035	2.4	18.7
4 21	13 39.71	− 8 34.3	2.038	3.040	1.7	18.7
5 1	13 31.95	− 8 0.8	2.066	3.045	5.4	18.9
5 11	13 25.32	− 7 34.0	2.122	3.051	8.9	19.2
5 21	13 20.34	− 7 16.9	2.201	3.056	12.0	19.4

156139 2001 TS_{42} 4 17.5 141°.18 2°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.62	−19 36.6	2.377	3.153	13.0	20.5
3 22	14 4.22	−19 30.4	2.295	3.166	10.3	20.4
4 1	13 56.94	−19 10.5	2.237	3.179	7.2	20.2
4 11	13 48.41	−18 38.0	2.205	3.191	3.9	20.0
4 21	13 39.40	−17 55.7	2.202	3.202	2.3	19.9
5 1	13 30.77	−17 7.6	2.229	3.212	4.7	20.1
5 11	13 23.30	−16 19.1	2.284	3.222	7.9	20.3
5 21	13 17.54	−15 34.9	2.364	3.231	10.8	20.5

327455 2005 WF_{166} 4 17.5 191°.09 10°.1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.35	+22 30.9	2.422	3.214	12.3	21.2
3 22	14 5.46	+23 48.2	2.368	3.213	11.0	21.1
4 1	13 57.69	+24 51.8	2.338	3.211	10.2	21.0
4 11	13 48.69	+25 34.8	2.333	3.208	10.2	21.0
4 21	13 39.26	+25 52.5	2.352	3.204	11.1	21.1
5 1	13 30.28	+25 42.6	2.394	3.200	12.5	21.2
5 11	13 22.51	+25 6.2	2.458	3.196	14.1	21.3
5 21	13 16.48	+24 6.7	2.539	3.191	15.6	21.4

123237 2000 UH_{58} 4 17.5 42°.19 3°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.99	−25 0.3	1.330	2.130	20.2	18.5
3 22	14 3.06	−24 5.6	1.288	2.170	16.0	18.3
4 1	13 56.41	−22 42.1	1.266	2.210	11.2	18.1
4 11	13 48.16	−20 54.5	1.266	2.250	6.4	18.0
4 21	13 39.63	−18 52.3	1.292	2.291	3.5	17.9
5 1	13 32.11	−16 47.5	1.344	2.332	6.4	18.2
5 11	13 26.58	−14 52.1	1.421	2.373	10.6	18.5
5 21	13 23.51	−13 14.6	1.522	2.414	14.3	18.8

431921 2008 TC_{73} 4 17.5 232°.42 0°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.93	−12 31.1	2.272	3.077	12.7	21.3
3 22	14 3.93	−12 26.7	2.173	3.067	9.8	21.1
4 1	13 56.92	−12 12.9	2.098	3.056	6.4	20.8
4 11	13 48.48	−11 51.7	2.050	3.045	2.7	20.6
4 21	13 39.35	−11 25.8	2.031	3.034	1.3	20.4
5 1	13 30.43	−10 59.1	2.040	3.022	5.2	20.7
5 11	13 22.58	−10 35.9	2.078	3.010	8.9	20.9
5 21	13 16.42	−10 19.6	2.139	2.997	12.2	21.1

500705 2012 WA_{12} 4 17.5 159°.44 1°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.38	− 8 6.6	2.457	3.275	11.4	22.0
3 22	14 0.91	− 7 36.7	2.375	3.279	8.6	21.8
4 1	13 54.78	− 7 0.3	2.318	3.282	5.5	21.7
4 11	13 47.55	− 6 20.6	2.288	3.284	2.3	21.4
4 21	13 39.88	− 5 41.4	2.287	3.287	2.2	21.4
5 1	13 32.51	− 5 6.8	2.316	3.289	5.4	21.7
5 11	13 26.12	− 4 40.5	2.372	3.291	8.6	21.9
5 21	13 21.19	− 4 24.7	2.451	3.293	11.4	22.0

219838 2002 CG_{120} 4 17.5 103°.76 1°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.40	−10 13.1	2.085	2.901	13.2	21.2
3 22	14 3.30	− 9 28.0	2.022	2.925	10.0	21.0
4 1	13 56.31	− 8 33.7	1.984	2.947	6.3	20.8
4 11	13 48.13	− 7 34.3	1.973	2.969	2.5	20.6
4 21	13 39.60	− 6 35.2	1.990	2.991	2.2	20.6
5 1	13 31.59	− 5 41.8	2.037	3.012	5.9	20.9
5 11	13 24.84	− 4 58.8	2.111	3.032	9.4	21.2
5 21	13 19.87	− 4 28.9	2.208	3.052	12.3	21.4

33028 1997 QN 4 17.5 177°.26 2°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.58	−19 34.7	1.721	2.518	16.4	19.0
3 22	14 4.99	−19 20.3	1.636	2.520	13.0	18.7
4 1	13 57.84	−18 46.8	1.572	2.521	9.0	18.5
4 11	13 48.88	−17 55.5	1.533	2.522	4.8	18.2
4 21	13 39.15	−16 50.5	1.521	2.522	2.6	18.1
5 1	13 29.84	−15 38.6	1.536	2.522	6.1	18.3
5 11	13 22.07	−14 28.2	1.577	2.521	10.3	18.6
5 21	13 16.56	−13 26.5	1.642	2.520	14.2	18.8

355805 2008 SS_{253} 4 17.5 98°.36 2°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.60	− 8 53.0	1.489	2.324	16.6	21.5
3 22	14 5.64	− 7 53.6	1.432	2.345	12.6	21.3
4 1	13 58.10	− 6 42.6	1.398	2.365	7.9	21.1
4 11	13 48.90	− 5 26.7	1.388	2.384	3.4	20.8
4 21	13 39.20	− 4 13.9	1.405	2.403	3.6	20.9
5 1	13 30.24	− 3 12.4	1.449	2.422	8.0	21.2
5 11	13 23.04	− 2 27.9	1.518	2.440	12.3	21.5
5 21	13 18.22	− 2 3.1	1.607	2.458	15.9	21.7

143113 2002 XJ_{25} 4 17.5 30°.67 0°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.01	−10 24.7	2.031	2.855	13.2	19.9
3 22	14 0.99	−10 0.1	1.952	2.858	10.1	19.7
4 1	13 55.01	− 9 26.1	1.897	2.861	6.4	19.5
4 11	13 47.69	− 8 46.1	1.867	2.864	2.5	19.2
4 21	13 39.83	− 8 4.4	1.865	2.867	1.9	19.2
5 1	13 32.32	− 7 26.1	1.891	2.871	5.8	19.4
5 11	13 25.99	− 6 55.7	1.944	2.874	9.5	19.7
5 21	13 21.41	− 6 36.5	2.019	2.878	12.8	19.9

230098 2000 YL_{41} 4 17.5 198°.61 3°.8/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.00	− 2 24.3	2.005	2.842	12.9	20.2
3 22	14 1.74	− 1 29.3	1.928	2.841	9.8	20.0
4 1	13 55.48	− 0 29.7	1.875	2.840	6.5	19.8
4 11	13 47.88	+ 0 28.6	1.849	2.838	4.0	19.7
4 21	13 39.72	+ 1 19.7	1.851	2.837	4.8	19.7
5 1	13 31.93	+ 1 58.3	1.880	2.835	7.9	19.9
5 11	13 25.32	+ 2 20.6	1.934	2.834	11.3	20.1
5 21	13 20.47	+ 2 25.4	2.010	2.832	14.2	20.3

240241 2002 TY_{334} 4 17.5 282°.76 0°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.08	− 9 26.8	2.070	2.892	13.1	20.9
3 22	14 2.58	− 9 13.8	1.985	2.890	10.0	20.6
4 1	13 56.05	− 8 52.9	1.924	2.888	6.4	20.4
4 11	13 48.12	− 8 27.0	1.889	2.886	2.5	20.2
4 21	13 39.58	− 7 59.7	1.882	2.884	1.9	20.1
5 1	13 31.36	− 7 35.3	1.903	2.882	5.9	20.4
5 11	13 24.30	− 7 18.0	1.951	2.880	9.6	20.6
5 21	13 19.02	− 7 10.6	2.022	2.878	12.8	20.8

442086 2010 SR_{38} 4 17.5 4°.10 17°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.89	−44 25.7	1.135	1.846	27.7	19.9
3 22	14 8.74	−46 23.7	1.067	1.846	25.6	19.7
4 1	14 1.82	−47 42.9	1.009	1.846	23.1	19.5
4 11	13 50.93	−48 11.0	0.965	1.846	20.6	19.4
4 21	13 37.94	−47 39.1	0.936	1.846	18.7	19.2
5 1	13 25.56	−46 7.1	0.925	1.847	17.8	19.2
5 11	13 16.32	−43 47.2	0.931	1.849	18.5	19.2
5 21	13 11.63	−40 59.2	0.956	1.850	20.5	19.4

127737 2003 FZ_5 4 17.5 311°.09 1°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.58	−16 10.1	1.677	2.493	15.9	20.2
3 22	14 2.83	−16 8.7	1.587	2.484	12.5	19.9
4 1	13 56.55	−15 51.9	1.518	2.475	8.5	19.7
4 11	13 48.42	−15 21.2	1.474	2.467	4.1	19.4
4 21	13 39.40	−14 40.2	1.456	2.459	2.0	19.2
5 1	13 30.69	−13 54.4	1.465	2.451	6.2	19.5
5 11	13 23.40	−13 10.8	1.498	2.443	10.7	19.7
5 21	13 18.32	−12 35.4	1.554	2.436	14.7	19.9

353530 2011 SE_{143} 4 17.5 9°.11 0°.7/17.9 17

3 12	14 10.01	−11 49.1	2.188	2.995	13.0	20.3
3 22	14 4.74	−12 11.7	2.101	2.995	10.1	20.1
4 1	13 57.43	−12 26.9	2.038	2.996	6.6	19.9
4 11	13 48.68	−12 35.9	2.002	2.997	2.8	19.7
4 21	13 39.29	−12 40.3	1.995	2.998	1.4	19.6
5 1	13 30.19	−12 42.8	2.016	2.999	5.2	19.8
5 11	13 22.24	−12 46.5	2.065	3.000	8.8	20.1
5 21	13 16.08	−12 54.4	2.138	3.002	12.0	20.3

411701 2011 YH_{60} 4 17.5 114°.88 0°.5/17.9 16

3 12	14 8.76	−14 50.0	1.666	2.483	16.0	22.0
3 22	14 4.23	−14 21.1	1.593	2.493	12.4	21.7
4 1	13 57.26	−13 36.6	1.542	2.502	8.1	21.5
4 11	13 48.62	−12 39.9	1.516	2.512	3.4	21.2
4 21	13 39.35	−11 36.4	1.517	2.521	1.6	21.1
5 1	13 30.61	−10 33.4	1.546	2.530	6.3	21.4
5 11	13 23.42	− 9 37.9	1.600	2.538	10.6	21.7
5 21	13 18.45	− 8 55.2	1.676	2.546	14.4	22.0

112683 2002 PG_{98} 4 17.5 263°.33 1°.0/16.9 18

3 12	14 11.93	− 9 34.0	1.392	2.227	17.6	20.0
3 22	14 7.48	− 9 25.5	1.303	2.214	13.6	19.7
4 1	13 59.87	− 9 5.5	1.235	2.201	8.9	19.4
4 11	13 49.85	− 8 37.4	1.190	2.188	3.5	19.0
4 21	13 38.60	− 8 6.2	1.171	2.174	2.6	18.9
5 1	13 27.63	− 7 38.6	1.178	2.160	8.2	19.2
5 11	13 18.40	− 7 21.1	1.209	2.145	13.5	19.4
5 21	13 11.91	− 7 18.0	1.259	2.131	18.1	19.7

434991 2006 UM_{208} 4 17.5 215°.85 0°.6/16.8 17

3 12	14 5.48	−10 13.0	2.601	3.412	11.1	22.0
3 22	14 0.98	− 9 51.9	2.508	3.406	8.4	21.8
4 1	13 54.86	− 9 23.3	2.439	3.401	5.4	21.6
4 11	13 47.62	− 8 49.8	2.398	3.395	2.1	21.4
4 21	13 39.88	− 8 14.6	2.387	3.389	1.6	21.3
5 1	13 32.38	− 7 41.5	2.405	3.382	4.9	21.6
5 11	13 25.77	− 7 14.2	2.450	3.376	8.1	21.8
5 21	13 20.57	− 6 55.4	2.521	3.369	10.9	21.9

422796 2001 XL_{54} 4 17.5 110°.32 6°.7/11.7 18

3 12	14 11.22	+ 7 48.2	2.050	2.879	13.0	21.2
3 22	14 5.40	+ 8 44.3	2.000	2.898	10.3	21.1
4 1	13 57.64	+ 9 35.0	1.973	2.917	7.9	21.0
4 11	13 48.67	+10 14.0	1.973	2.935	6.7	20.9
4 21	13 39.36	+10 36.2	2.001	2.953	7.6	21.0
5 1	13 30.64	+10 38.6	2.055	2.970	9.8	21.2
5 11	13 23.27	+10 20.9	2.134	2.987	12.3	21.4
5 21	13 17.76	+ 9 44.7	2.233	3.003	14.6	21.6

156408 2002 AE_{44} 4 17.5 143°.46 1°.2/18.6 17

3 12	14 7.77	−16 49.3	2.148	2.944	13.6	21.3
3 22	14 3.00	−16 26.5	2.066	2.953	10.6	21.1
4 1	13 56.25	−15 49.9	2.008	2.961	7.1	20.9
4 11	13 48.18	−15 1.8	1.977	2.969	3.3	20.7
4 21	13 39.59	−14 5.9	1.973	2.976	1.5	20.5
5 1	13 31.40	−13 7.7	1.999	2.983	5.1	20.8
5 11	13 24.42	−12 12.9	2.052	2.990	8.7	21.0
5 21	13 19.21	−11 26.4	2.130	2.996	11.9	21.2

140278 2001 SR_{277} 4 17.5 137°.26 3°.0/20.9 18

3 12	14 6.15	−23 7.9	2.722	3.481	12.0	20.3
3 22	14 1.45	−23 5.0	2.636	3.491	9.7	20.2
4 1	13 55.12	−22 48.2	2.572	3.501	7.0	20.0
4 11	13 47.70	−22 18.2	2.535	3.510	4.4	19.8
4 21	13 39.86	−21 36.9	2.526	3.519	3.0	19.7
5 1	13 32.32	−20 47.9	2.547	3.528	4.4	19.9
5 11	13 25.75	−19 55.9	2.596	3.536	7.0	20.0
5 21	13 20.64	−19 5.5	2.671	3.544	9.6	20.2

349609 2008 UF_{23} 4 17.5 119°.51 0°.2/17.2 17

3 12	14 5.94	−12 39.7	2.043	2.859	13.5	21.5
3 22	14 1.68	−12 6.7	1.965	2.865	10.3	21.3
4 1	13 55.44	−11 21.9	1.909	2.871	6.6	21.1
4 11	13 47.86	−10 29.0	1.881	2.877	2.6	20.8
4 21	13 39.77	− 9 32.7	1.880	2.883	1.6	20.8
5 1	13 32.07	− 8 38.5	1.908	2.889	5.6	21.1
5 11	13 25.57	− 7 51.8	1.962	2.894	9.4	21.3
5 21	13 20.85	− 7 16.6	2.040	2.899	12.6	21.5

388408 2006 WM_{71} 4 17.5 281°.41 2°.4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.09	− 4 2.9	2.280	3.107	11.9	21.1
3 22	14 2.38	− 3 46.2	2.195	3.102	9.0	20.9
4 1	13 55.84	− 3 26.1	2.133	3.098	5.8	20.7
4 11	13 48.03	− 3 5.9	2.099	3.093	2.9	20.5
4 21	13 39.67	− 2 49.3	2.093	3.088	3.2	20.5
5 1	13 31.60	− 2 39.8	2.116	3.084	6.3	20.7
5 11	13 24.56	− 2 40.2	2.166	3.079	9.6	20.8
5 21	13 19.14	− 2 51.8	2.239	3.075	12.5	21.0

212329 2005 SR_{72} 4 17.5 258°.68 1°.0/16.3 17

3 12	14 3.32	−10 1.9	2.445	3.263	11.4	20.9
3 22	13 59.46	− 9 21.5	2.350	3.254	8.7	20.7
4 1	13 53.94	− 8 32.1	2.280	3.244	5.5	20.5
4 11	13 47.27	− 7 37.2	2.238	3.234	2.2	20.2
4 21	13 40.08	− 6 41.0	2.224	3.224	2.0	20.2
5 1	13 33.12	− 5 48.3	2.239	3.214	5.4	20.4
5 11	13 27.08	− 5 3.8	2.282	3.204	8.7	20.6
5 21	13 22.48	− 4 30.5	2.348	3.194	11.6	20.8

64398 2001 US_{154} 4 17.5 184°.11 4°.2/13.4 18

3 12	14 6.48	+ 1 37.0	2.328	3.160	11.5	19.4
3 22	14 1.81	+ 2 13.7	2.252	3.160	8.8	19.3
4 1	13 55.40	+ 2 50.4	2.201	3.160	6.1	19.1
4 11	13 47.83	+ 3 22.4	2.177	3.159	4.3	19.0
4 21	13 39.80	+ 3 45.6	2.181	3.159	5.1	19.0
5 1	13 32.09	+ 3 56.2	2.214	3.159	7.6	19.2
5 11	13 25.42	+ 3 52.4	2.271	3.159	10.3	19.3
5 21	13 20.31	+ 3 33.9	2.352	3.158	12.9	19.5

425900 2011 FA_{88} 4 17.5 77°.94 1°.5/18.5 17

3 12	14 12.93	−13 53.4	1.793	2.600	15.4	20.7
3 22	14 7.33	−14 20.7	1.718	2.611	12.0	20.5
4 1	13 59.25	−14 37.6	1.665	2.621	8.0	20.3
4 11	13 49.43	−14 44.5	1.638	2.631	3.8	20.0
4 21	13 38.92	−14 43.5	1.638	2.641	1.9	19.9
5 1	13 28.86	−14 37.9	1.667	2.651	5.9	20.2
5 11	13 20.33	−14 32.3	1.722	2.661	9.9	20.4
5 21	13 14.03	−14 30.7	1.800	2.671	13.5	20.7

498806 2008 UQ_{285} 4 17.5 171°.77 1°.5/16.1 17

3 12	14 8.81	− 7 1.7	2.214	3.033	12.5	21.7
3 22	14 3.72	− 6 45.7	2.131	3.035	9.5	21.5
4 1	13 56.70	− 6 23.9	2.073	3.037	6.0	21.3
4 11	13 48.37	− 5 59.4	2.042	3.038	2.5	21.0
4 21	13 39.50	− 5 36.0	2.040	3.039	2.4	21.0
5 1	13 30.96	− 5 17.5	2.066	3.040	6.0	21.3
5 11	13 23.55	− 5 7.2	2.120	3.040	9.4	21.5
5 21	13 17.84	− 5 7.2	2.197	3.040	12.4	21.7

64673 2001 XD_{66} 4 17.5 212°.91 0°.9/16.6 18

3 12	14 7.71	−10 20.6	2.314	3.126	12.2	20.4
3 22	14 2.90	− 9 47.2	2.219	3.119	9.3	20.2
4 1	13 56.20	− 9 4.5	2.148	3.111	6.0	20.0
4 11	13 48.19	− 8 15.6	2.105	3.102	2.4	19.7
4 21	13 39.59	− 7 24.8	2.091	3.092	1.9	19.7
5 1	13 31.23	− 6 36.9	2.106	3.082	5.6	19.9
5 11	13 23.91	− 5 56.7	2.149	3.072	9.2	20.1
5 21	13 18.22	− 5 27.6	2.216	3.061	12.3	20.3

89117 2001 TK_{222} 4 17.5 1°.29 0°.3/17.3 18

3 12	14 12.88	− 8 26.6	1.498	2.329	16.7	18.8
3 22	14 7.81	− 8 56.6	1.420	2.328	12.9	18.6
4 1	13 59.85	− 9 20.6	1.363	2.328	8.4	18.3
4 11	13 49.77	− 9 40.1	1.331	2.328	3.3	18.0
4 21	13 38.73	− 9 57.3	1.325	2.328	2.0	17.9
5 1	13 28.14	−10 15.2	1.346	2.330	7.1	18.2
5 11	13 19.26	−10 37.3	1.392	2.331	11.8	18.5
5 21	13 12.95	−11 6.2	1.460	2.333	15.9	18.7

469217 2016 HD_2 4 17.5 2°.89 3°.8/14.8 17

3 12	14 6.80	− 3 37.9	1.477	2.327	15.9	20.0
3 22	14 3.03	− 3 1.3	1.407	2.327	12.1	19.8
4 1	13 56.64	− 2 18.8	1.358	2.326	7.9	19.6
4 11	13 48.44	− 1 36.9	1.333	2.327	4.3	19.3
4 21	13 39.49	− 1 2.1	1.334	2.328	5.0	19.4
5 1	13 31.04	− 0 40.7	1.361	2.329	9.0	19.6
5 11	13 24.18	− 0 36.6	1.410	2.331	13.1	19.9
5 21	13 19.64	− 0 51.2	1.480	2.333	16.8	20.1

47499 2000 AH_{50} 4 17.5 150°.41 4°.2/13.7 18

3 12	14 8.56	− 1 54.6	1.906	2.741	13.5	19.4
3 22	14 3.71	− 0 52.2	1.837	2.748	10.3	19.2
4 1	13 56.76	+ 0 14.3	1.792	2.755	6.9	19.0
4 11	13 48.41	+ 1 18.7	1.773	2.761	4.4	18.8
4 21	13 39.55	+ 2 14.3	1.783	2.767	5.3	18.9
5 1	13 31.14	+ 2 55.5	1.820	2.772	8.4	19.1
5 11	13 24.06	+ 3 18.7	1.882	2.777	11.8	19.3
5 21	13 18.87	+ 3 23.1	1.965	2.781	14.7	19.5

271639 2004 PC_{90} 4 17.5 275°.82 3°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.27	−19 10.6	1.996	2.783	14.8	20.4
3 22	14 5.56	−19 31.2	1.882	2.759	11.9	20.2
4 1	13 58.37	−19 38.0	1.790	2.734	8.5	19.9
4 11	13 49.24	−19 30.5	1.724	2.708	4.9	19.7
4 21	13 39.02	−19 9.7	1.684	2.682	3.1	19.5
5 1	13 28.82	−18 38.8	1.673	2.656	6.0	19.6
5 11	13 19.79	−18 3.4	1.688	2.630	9.9	19.8
5 21	13 12.78	−17 29.5	1.727	2.603	13.7	20.0

329797 2004 PQ_{107} 4 17.5 294°.44 1°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.68	−10 24.0	1.718	2.552	14.8	21.3
3 22	14 1.43	− 9 29.7	1.612	2.524	11.4	21.0
4 1	13 55.74	− 8 19.9	1.528	2.495	7.4	20.7
4 11	13 48.18	− 6 59.1	1.469	2.466	3.0	20.4
4 21	13 39.61	− 5 34.3	1.437	2.437	3.1	20.3
5 1	13 31.16	− 4 13.8	1.432	2.407	7.7	20.5
5 11	13 23.95	− 3 6.2	1.451	2.378	12.4	20.7
5 21	13 18.80	− 2 17.1	1.492	2.349	16.6	20.9

498224 2007 TM_{451} 4 17.5 138°.37 5°.6/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.47	+11 45.1	3.195	4.007	9.2	21.8
3 22	14 1.99	+12 35.1	3.141	4.022	7.5	21.7
4 1	13 55.25	+13 19.4	3.112	4.038	6.1	21.7
4 11	13 47.72	+13 53.8	3.113	4.052	5.6	21.7
4 21	13 39.96	+14 15.2	3.141	4.066	6.3	21.7
5 1	13 32.53	+14 21.5	3.198	4.079	7.7	21.8
5 11	13 25.94	+14 12.2	3.280	4.092	9.4	22.0
5 21	13 20.57	+13 48.3	3.384	4.104	10.9	22.1

34481 2000 SF_{122} 4 17.5 196°.84 2°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.46	− 4 7.7	2.641	3.461	10.6	19.1
3 22	14 1.65	− 3 45.5	2.555	3.460	8.1	18.9
4 1	13 55.26	− 3 20.0	2.494	3.458	5.2	18.7
4 11	13 47.79	− 2 54.3	2.462	3.455	2.6	18.5
4 21	13 39.89	− 2 31.8	2.459	3.453	2.9	18.5
5 1	13 32.24	− 2 15.6	2.485	3.450	5.7	18.7
5 11	13 25.49	− 2 8.5	2.539	3.447	8.6	18.9
5 21	13 20.13	− 2 11.8	2.616	3.444	11.2	19.1

238435 2004 OU_{13} 4 17.5 284°.02 4°.0/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.13	− 4 10.8	1.395	2.244	16.8	20.7
3 22	14 5.27	− 3 29.1	1.307	2.227	12.9	20.4
4 1	13 58.43	− 2 39.0	1.241	2.209	8.5	20.1
4 11	13 49.31	− 1 46.9	1.198	2.191	4.6	19.8
4 21	13 39.04	− 1 0.6	1.180	2.173	5.3	19.8
5 1	13 29.04	− 0 28.1	1.187	2.156	9.9	20.0
5 11	13 20.67	− 0 15.2	1.217	2.138	14.7	20.2
5 21	13 14.90	− 0 24.3	1.266	2.120	19.1	20.4

117940 6191 *P–L* 4 17.5 258°.09 0°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.03	−14 43.3	2.608	3.409	11.3	20.8
3 22	14 0.00	−14 17.0	2.502	3.393	8.8	20.6
4 1	13 54.32	−13 39.7	2.421	3.377	5.8	20.4
4 11	13 47.47	−12 53.6	2.367	3.361	2.5	20.2
4 21	13 40.08	−12 1.9	2.341	3.345	1.2	20.0
5 1	13 32.86	−11 8.9	2.346	3.328	4.6	20.3
5 11	13 26.49	−10 19.2	2.378	3.311	7.9	20.4
5 21	13 21.52	− 9 36.9	2.435	3.294	10.8	20.6

105484 2000 QV_{216} 4 17.5 283°.18 2°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.65	− 6 25.0	2.225	3.054	12.1	20.1
3 22	14 0.69	− 5 49.7	2.130	3.039	9.2	19.9
4 1	13 54.86	− 5 7.5	2.059	3.024	5.9	19.6
4 11	13 47.71	− 4 22.5	2.015	3.010	2.7	19.4
4 21	13 39.95	− 3 39.1	1.999	2.995	3.0	19.4
5 1	13 32.40	− 3 2.3	2.011	2.980	6.4	19.6
5 11	13 25.84	− 2 36.1	2.049	2.966	9.9	19.8
5 21	13 20.88	− 2 23.1	2.111	2.951	13.0	19.9

10757 1990 SF_{3} 4 17.5 157°.75 2°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.48	− 7 3.1	1.586	2.423	15.7	17.6
3 22	14 4.92	− 6 17.3	1.513	2.426	12.0	17.3
4 1	13 57.80	− 5 21.9	1.462	2.429	7.6	17.1
4 11	13 48.92	− 4 22.4	1.436	2.431	3.5	16.9
4 21	13 39.32	− 3 26.0	1.437	2.434	3.8	16.9
5 1	13 30.23	− 2 39.7	1.464	2.436	8.1	17.1
5 11	13 22.71	− 2 9.0	1.516	2.438	12.4	17.4
5 21	13 17.47	− 1 56.4	1.590	2.439	16.1	17.6

69372 1994 UA_{6} 4 17.5 165°.87 0°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.62	−12 13.1	2.594	3.393	11.4	20.1
3 22	14 3.33	−12 1.5	2.508	3.398	8.8	19.9
4 1	13 56.36	−11 41.5	2.446	3.403	5.7	19.8
4 11	13 48.25	−11 15.5	2.412	3.407	2.3	19.5
4 21	13 39.69	−10 46.0	2.408	3.411	1.2	19.4
5 1	13 31.41	−10 16.7	2.434	3.414	4.6	19.7
5 11	13 24.12	− 9 51.3	2.488	3.416	7.8	19.9
5 21	13 18.32	− 9 32.6	2.567	3.418	10.6	20.1

435146 2007 HJ_{55} 4 17.5 212°.55 9°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 27.73	+ 9 34.6	1.232	2.060	19.9	20.6
3 22	14 19.84	+ 9 46.2	1.158	2.056	16.1	20.4
4 1	14 7.97	+ 9 45.5	1.105	2.051	12.2	20.1
4 11	13 53.14	+ 9 23.0	1.075	2.047	9.5	19.9
4 21	13 37.04	+ 8 32.2	1.071	2.041	10.1	19.9
5 1	13 21.71	+ 7 11.6	1.092	2.035	13.7	20.1
5 11	13 8.93	+ 5 25.3	1.137	2.029	18.0	20.3
5 21	12 59.74	+ 3 20.3	1.202	2.021	22.0	20.6

18697 Kathanson 4 17.5 262°.56 0°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.89	−13 0.6	2.438	3.245	11.8	19.2
3 22	14 0.74	−12 42.3	2.338	3.233	9.1	19.0
4 1	13 54.84	−12 14.1	2.262	3.221	6.0	18.8
4 11	13 47.70	−11 38.3	2.213	3.209	2.5	18.5
4 21	13 39.98	−10 58.0	2.193	3.196	1.2	18.4
5 1	13 32.45	−10 17.6	2.202	3.184	4.9	18.6
5 11	13 25.86	− 9 41.3	2.238	3.171	8.3	18.8
5 21	13 20.76	− 9 12.7	2.299	3.158	11.4	19.0

285085 1992 UM_{7} 4 17.5 266°.74 0°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.59	−13 43.2	1.553	2.378	16.6	21.4
3 22	14 4.76	−13 0.3	1.449	2.355	13.0	21.1
4 1	13 58.08	−11 58.3	1.367	2.331	8.5	20.8
4 11	13 49.19	−10 40.4	1.309	2.306	3.4	20.4
4 21	13 39.11	− 9 13.0	1.278	2.281	2.1	20.3
5 1	13 29.18	− 7 45.4	1.274	2.255	7.7	20.5
5 11	13 20.70	− 6 27.6	1.294	2.229	12.9	20.8
5 21	13 14.66	− 5 27.0	1.335	2.202	17.5	21.0

240566 2004 SY_{31} 4 17.5 291°.54 0°.9/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.56	−14 1.8	1.385	2.216	17.9	20.5
3 22	14 4.95	−13 58.1	1.296	2.203	14.0	20.2
4 1	13 58.29	−13 38.3	1.226	2.189	9.4	19.9
4 11	13 49.29	−13 4.3	1.180	2.176	4.1	19.5
4 21	13 39.09	−12 20.5	1.159	2.162	1.9	19.3
5 1	13 29.16	−11 34.0	1.163	2.149	7.4	19.6
5 11	13 20.94	−10 53.0	1.190	2.136	12.7	19.9
5 21	13 15.39	−10 24.0	1.238	2.123	17.4	20.1

501400 2013 YQ_{92} 4 17.5 168°.10 3°.6/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.12	− 1 52.3	2.088	2.921	12.6	21.4
3 22	14 2.52	− 1 9.7	2.012	2.923	9.6	21.2
4 1	13 55.98	− 0 23.9	1.961	2.924	6.4	21.0
4 11	13 48.14	+ 0 20.1	1.936	2.925	3.9	20.8
4 21	13 39.78	+ 0 57.0	1.939	2.926	4.6	20.9
5 1	13 31.78	+ 1 22.4	1.970	2.927	7.6	21.0
5 11	13 24.94	+ 1 33.2	2.027	2.927	10.8	21.2
5 21	13 19.84	+ 1 28.4	2.106	2.928	13.7	21.4

64426 2001 VL_{7} 4 17.5 113°.35 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.54	−12 28.6	2.493	3.300	11.6	20.6
3 22	14 1.00	−12 4.4	2.417	3.312	8.9	20.4
4 1	13 54.85	−11 31.2	2.365	3.324	5.7	20.2
4 11	13 47.65	−10 51.7	2.340	3.336	2.3	20.0
4 21	13 40.05	−10 9.3	2.345	3.348	1.3	20.0
5 1	13 32.79	− 9 28.2	2.379	3.359	4.7	20.2
5 11	13 26.53	− 8 52.3	2.440	3.370	7.9	20.4
5 21	13 21.74	− 8 24.9	2.527	3.381	10.6	20.6

64884 2001 YG_{73} 4 17.5 60°.18 1°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.25	−15 35.6	2.200	3.004	13.0	19.5
3 22	14 1.06	−15 24.8	2.123	3.014	10.1	19.3
4 1	13 55.02	−15 2.1	2.069	3.024	6.7	19.1
4 11	13 47.74	−14 29.8	2.041	3.034	3.1	18.9
4 21	13 39.99	−13 51.0	2.042	3.045	1.4	18.8
5 1	13 32.60	−13 10.2	2.070	3.055	4.9	19.0
5 11	13 26.34	−12 32.3	2.126	3.066	8.3	19.2
5 21	13 21.74	−12 1.3	2.206	3.076	11.4	19.5

181860 1998 XU_{20} 4 17.5 153°.99 1°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.98	− 8 1.5	2.233	3.050	12.5	20.6
3 22	14 3.77	− 7 21.3	2.156	3.059	9.4	20.4
4 1	13 56.71	− 6 33.6	2.104	3.068	6.0	20.2
4 11	13 48.41	− 5 42.3	2.080	3.075	2.5	20.0
4 21	13 39.65	− 4 52.2	2.084	3.083	2.6	20.0
5 1	13 31.27	− 4 8.1	2.118	3.089	6.0	20.3
5 11	13 24.05	− 3 34.3	2.179	3.095	9.4	20.5
5 21	13 18.52	− 3 13.2	2.264	3.100	12.4	20.7

465115 2006 WA_{83} 4 17.5 163°.15 2°.1/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.22	− 6 12.3	2.196	3.014	12.6	22.3
3 22	14 4.76	− 5 38.1	2.117	3.021	9.5	22.1
4 1	13 57.37	− 4 58.0	2.064	3.027	6.1	21.9
4 11	13 48.69	− 4 15.7	2.037	3.032	2.8	21.6
4 21	13 39.50	− 3 36.0	2.040	3.037	3.0	21.7
5 1	13 30.69	− 3 3.3	2.072	3.040	6.4	21.9
5 11	13 23.06	− 2 41.3	2.131	3.043	9.8	22.1
5 21	13 17.18	− 2 32.1	2.214	3.046	12.8	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
48369 4153 *T*-2			4 17.5 247°.85		0°.6/16.9 18	
	h m	° ′			°	m
3 12	14 6.27	−10 32.6	2.142	2.961	12.8	19.6
3 22	14 1.97	−10 11.1	2.053	2.955	9.8	19.4
4 1	13 55.70	− 9 40.5	1.987	2.950	6.3	19.1
4 11	13 48.06	− 9 3.6	1.947	2.944	2.5	18.9
4 21	13 39.82	− 8 24.5	1.936	2.938	1.8	18.8
5 1	13 31.84	− 7 47.9	1.953	2.932	5.7	19.0
5 11	13 24.98	− 7 18.2	1.997	2.927	9.4	19.3
5 21	13 19.81	− 6 58.9	2.064	2.920	12.6	19.4
297812 2002 AN_{80}			4 17.5 167°.46		0°.2/17.2 18	
3 12	14 5.02	−11 44.1	2.929	3.731	10.2	22.1
3 22	14 0.43	−11 20.2	2.841	3.735	7.8	22.0
4 1	13 54.42	−10 48.8	2.779	3.738	5.0	21.8
4 11	13 47.48	−10 12.2	2.745	3.742	2.0	21.6
4 21	13 40.16	− 9 33.3	2.742	3.744	1.2	21.5
5 1	13 33.08	− 8 55.6	2.768	3.747	4.3	21.8
5 11	13 26.82	− 8 22.4	2.823	3.749	7.1	21.9
5 21	13 21.82	− 7 56.5	2.903	3.750	9.6	22.1
494897 2008 UG_{97}			4 17.5 230°.05		3°.2/15.3 17	
3 12	14 12.95	− 4 37.0	1.727	2.556	15.0	22.2
3 22	14 7.61	− 4 3.5	1.635	2.544	11.5	21.9
4 1	13 59.65	− 3 23.3	1.567	2.531	7.5	21.6
4 11	13 49.74	− 2 41.3	1.524	2.518	3.8	21.4
4 21	13 38.90	− 2 3.5	1.509	2.503	4.3	21.4
5 1	13 28.33	− 1 35.8	1.521	2.488	8.3	21.6
5 11	13 19.21	− 1 22.9	1.559	2.472	12.6	21.8
5 21	13 12.34	− 1 27.1	1.618	2.456	16.4	22.0
305841 2009 DJ_{139}			4 17.5 208°.01		2°.7/19.8 16	
3 12	14 13.14	−18 41.6	2.675	3.441	12.0	20.9
3 22	14 6.95	−19 20.3	2.573	3.437	9.6	20.8
4 1	13 58.84	−19 49.5	2.496	3.433	6.8	20.6
4 11	13 49.33	−20 8.8	2.447	3.428	4.0	20.4
4 21	13 39.14	−20 18.3	2.428	3.423	2.7	20.3
5 1	13 29.10	−20 19.7	2.439	3.418	4.7	20.4
5 11	13 20.03	−20 16.1	2.480	3.413	7.6	20.6
5 21	13 12.55	−20 11.1	2.546	3.407	10.4	20.8
165441 2000 YY_{95}			4 17.5 185°.72		1°.6/18.9 18	
3 12	14 10.17	−17 55.1	2.047	2.838	14.3	20.8
3 22	14 5.08	−17 35.7	1.956	2.838	11.3	20.6
4 1	13 57.77	−17 0.8	1.888	2.838	7.7	20.4
4 11	13 48.91	−16 12.0	1.846	2.836	3.8	20.1
4 21	13 39.39	−15 13.2	1.832	2.834	1.8	20.0
5 1	13 30.21	−14 9.8	1.847	2.832	5.4	20.2
5 11	13 22.31	−13 8.6	1.890	2.828	9.3	20.5
5 21	13 16.36	−12 15.3	1.957	2.824	12.8	20.7
430269 2013 WQ_{46}			4 17.5 190°.10		3°.3/14.4 17	
3 12	14 7.08	− 3 12.6	2.126	2.957	12.5	21.1
3 22	14 2.49	− 2 26.1	2.047	2.957	9.5	20.9
4 1	13 55.98	− 1 35.0	1.992	2.956	6.2	20.7
4 11	13 48.16	− 0 44.4	1.963	2.954	3.6	20.6
4 21	13 39.81	+ 0 0.6	1.963	2.953	4.2	20.6
5 1	13 31.80	+ 0 35.0	1.992	2.951	7.3	20.8
5 11	13 24.91	+ 0 55.2	2.046	2.948	10.6	21.0
5 21	13 19.73	+ 0 59.9	2.122	2.946	13.5	21.2
464919 2005 TR_{154}			4 17.5 309°.58		2°.5/19.5 17	
3 12	14 5.58	−19 15.2	1.631	2.440	16.6	21.1
3 22	14 2.19	−19 4.9	1.541	2.432	13.2	20.8
4 1	13 56.23	−18 35.2	1.472	2.424	9.2	20.6
4 11	13 48.39	−17 47.1	1.427	2.416	4.9	20.3
4 21	13 39.66	−16 44.6	1.407	2.409	2.6	20.1
5 1	13 31.26	−15 34.6	1.414	2.401	6.2	20.3
5 11	13 24.33	−14 25.5	1.445	2.394	10.7	20.6
5 21	13 19.66	−13 25.1	1.500	2.387	14.8	20.8
361308 2006 *UV*			4 17.5 287°.18		0°.9/18.3 17	
3 12	14 5.54	−16 20.8	1.592	2.413	16.4	21.1
3 22	14 2.26	−15 49.9	1.496	2.397	12.9	20.8
4 1	13 56.34	−14 59.6	1.421	2.381	8.7	20.5
4 11	13 48.46	−13 52.4	1.370	2.365	3.9	20.2
4 21	13 39.61	−12 33.7	1.345	2.349	1.7	20.0
5 1	13 31.01	−11 11.6	1.347	2.333	6.7	20.3
5 11	13 23.86	− 9 55.6	1.374	2.317	11.6	20.5
5 21	13 18.99	− 8 53.0	1.422	2.301	15.9	20.7
229570 2006 AA_{45}			4 17.5 134°.44		7°.0/11.7 18	
3 12	14 10.24	+ 8 3.9	1.957	2.789	13.3	20.3
3 22	14 4.96	+ 8 52.5	1.892	2.793	10.6	20.1
4 1	13 57.57	+ 9 35.8	1.851	2.796	8.2	19.9
4 11	13 48.79	+10 7.3	1.837	2.800	7.0	19.9
4 21	13 39.51	+10 21.5	1.848	2.803	7.9	19.9
5 1	13 30.71	+10 15.3	1.886	2.806	10.3	20.1
5 11	13 23.24	+ 9 48.0	1.948	2.809	13.0	20.3
5 21	13 17.70	+ 9 1.4	2.030	2.812	15.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
505219 2012 TF_{304}			4 17.5 129°.66		1°.9/15.2 17	
	h m	° ′			°	m
3 12	14 4.50	− 7 11.3	2.551	3.372	11.0	22.1
3 22	14 0.16	− 6 18.2	2.478	3.383	8.2	21.9
4 1	13 54.29	− 5 18.7	2.430	3.394	5.2	21.7
4 11	13 47.44	− 4 16.9	2.410	3.405	2.4	21.5
4 21	13 40.24	− 3 17.5	2.420	3.416	2.7	21.6
5 1	13 33.36	− 2 25.0	2.459	3.426	5.6	21.8
5 11	13 27.44	− 1 43.1	2.526	3.435	8.5	22.0
5 21	13 22.90	− 1 14.1	2.616	3.445	11.1	22.2
26394 Kandola			4 17.5 105°.39		2°.6/19.6 18	
3 12	14 8.86	−19 30.8	1.687	2.487	16.5	18.8
3 22	14 4.46	−19 24.8	1.610	2.495	13.1	18.6
4 1	13 57.53	−19 0.5	1.554	2.503	9.1	18.4
4 11	13 48.85	−18 18.9	1.523	2.511	4.9	18.1
4 21	13 39.47	−17 24.1	1.517	2.518	2.7	18.0
5 1	13 30.57	−16 22.4	1.539	2.525	6.0	18.2
5 11	13 23.24	−15 21.5	1.587	2.532	10.1	18.5
5 21	13 18.16	−14 28.4	1.657	2.539	13.9	18.7
230922 2004 TL_{355}			4 17.5 138°.46		3°.8/13.9 18	
3 12	14 8.62	− 0 37.5	2.229	3.058	12.1	21.0
3 22	14 3.46	+ 0 5.8	2.161	3.068	9.2	20.8
4 1	13 56.50	+ 0 50.8	2.117	3.077	6.2	20.6
4 11	13 48.34	+ 1 32.7	2.100	3.087	4.0	20.5
4 21	13 39.77	+ 2 6.7	2.112	3.096	4.7	20.6
5 1	13 31.60	+ 2 28.8	2.153	3.104	7.4	20.8
5 11	13 24.59	+ 2 36.6	2.219	3.112	10.3	21.0
5 21	13 19.23	+ 2 29.5	2.308	3.119	13.0	21.1
208650 2002 EX_{134}			4 17.5 87°.95		1°.4/18.6 18	
3 12	14 10.78	−16 16.8	1.503	2.319	17.5	20.8
3 22	14 6.01	−16 3.8	1.439	2.336	13.6	20.6
4 1	13 58.54	−15 33.5	1.395	2.352	9.1	20.4
4 11	13 49.24	−14 48.6	1.375	2.368	4.2	20.1
4 21	13 39.30	−13 54.2	1.381	2.384	1.9	20.0
5 1	13 30.02	−12 57.5	1.414	2.400	6.5	20.3
5 11	13 22.53	−12 6.3	1.472	2.416	11.0	20.6
5 21	13 17.50	−11 26.4	1.553	2.431	14.9	20.9
142323 2002 RW_{172}			4 17.5 309°.95		3°.7/15.4 17	
3 12	14 9.10	− 3 50.7	1.353	2.205	17.1	19.8
3 22	14 5.63	− 3 33.4	1.252	2.172	13.3	19.4
4 1	13 58.98	− 3 9.7	1.170	2.139	8.8	19.1
4 11	13 49.71	− 2 45.2	1.112	2.107	4.5	18.7
4 21	13 38.90	− 2 26.3	1.078	2.075	5.0	18.7
5 1	13 28.05	− 2 19.9	1.069	2.043	10.0	18.8
5 11	13 18.73	− 2 31.4	1.081	2.012	15.3	19.0
5 21	13 12.11	− 3 3.2	1.113	1.981	20.2	19.2
332591 2008 SP_{174}			4 17.5 231°.92		6°.1/10.3 18	
3 12	14 6.69	+ 6 47.2	2.470	3.298	11.0	21.1
3 22	14 2.03	+ 8 3.7	2.385	3.284	8.8	21.0
4 1	13 55.64	+ 9 19.0	2.326	3.269	6.8	20.8
4 11	13 48.05	+10 26.7	2.295	3.254	6.1	20.7
4 21	13 39.92	+11 21.1	2.291	3.238	7.1	20.8
5 1	13 32.00	+11 57.6	2.315	3.221	9.3	20.9
5 11	13 25.04	+12 13.9	2.364	3.203	11.7	21.0
5 21	13 19.55	+12 10.0	2.433	3.185	14.0	21.1
55818 1995 DG_{11}			4 17.5 119°.29		2°.2/15.6 18	
3 12	14 8.86	− 6 42.2	1.887	2.716	13.9	19.5
3 22	14 4.00	− 6 5.3	1.817	2.726	10.5	19.3
4 1	13 57.01	− 5 21.2	1.771	2.736	6.7	19.1
4 11	13 48.59	− 4 34.6	1.751	2.746	3.0	18.9
4 21	13 39.66	− 3 50.8	1.759	2.756	3.2	18.9
5 1	13 31.20	− 3 15.1	1.795	2.765	6.9	19.2
5 11	13 24.09	− 2 51.8	1.856	2.774	10.6	19.4
5 21	13 18.91	− 2 42.9	1.940	2.783	13.8	19.7
217882 2001 QJ_{289}			4 17.5 184°.43		7°.5/ 9.7 17	
3 12	14 7.86	+ 8 27.5	2.057	2.892	12.7	21.1
3 22	14 3.12	+ 9 54.5	1.992	2.892	10.2	21.0
4 1	13 56.40	+11 17.8	1.952	2.892	8.2	20.8
4 11	13 48.35	+12 29.4	1.938	2.891	7.5	20.8
4 21	13 39.79	+13 22.7	1.951	2.890	8.6	20.8
5 1	13 31.62	+13 53.0	1.989	2.888	10.9	21.0
5 11	13 24.67	+13 58.7	2.051	2.886	13.4	21.1
5 21	13 19.50	+13 41.1	2.132	2.883	15.7	21.3
301574 2009 JV_{15}			4 17.5 22°.34		1°.1/18.6 17	
3 12	14 3.45	−16 39.7	2.157	2.962	13.2	20.8
3 22	13 59.81	−16 14.7	2.073	2.964	10.3	20.6
4 1	13 54.30	−15 35.9	2.011	2.966	6.9	20.4
4 11	13 47.52	−14 45.8	1.976	2.969	3.2	20.2
4 21	13 40.23	−13 48.3	1.969	2.972	1.4	20.0
5 1	13 33.25	−12 48.8	1.989	2.975	5.0	20.3
5 11	13 27.38	−11 52.9	2.037	2.978	8.5	20.5
5 21	13 23.16	−11 5.5	2.109	2.981	11.7	20.7

310275 2011 UF_{55} 4 17.5 130°.84 0°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.95	−14 32.6	1.652	2.468	16.1	21.2
3 22	14 5.23	−14 5.7	1.578	2.477	12.5	21.0
4 1	13 58.00	−13 23.3	1.525	2.485	8.2	20.8
4 11	13 49.05	−12 28.8	1.498	2.494	3.4	20.5
4 21	13 39.43	−11 27.6	1.498	2.502	1.6	20.4
5 1	13 30.33	−10 26.8	1.525	2.509	6.4	20.7
5 11	13 22.81	− 9 33.5	1.578	2.516	10.8	21.0
5 21	13 17.56	− 8 53.0	1.654	2.523	14.6	21.2

52858 1998 RF_{79} 4 17.5 121°.67 1°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.04	− 7 57.7	1.506	2.338	16.7	18.8
3 22	14 7.73	− 7 36.4	1.438	2.348	12.7	18.6
4 1	13 59.67	− 7 5.9	1.392	2.358	8.1	18.3
4 11	13 49.73	− 6 30.7	1.371	2.368	3.3	18.1
4 21	13 39.08	− 5 56.5	1.377	2.377	3.0	18.1
5 1	13 29.04	− 5 29.2	1.409	2.386	7.7	18.4
5 11	13 20.77	− 5 13.9	1.466	2.394	12.2	18.7
5 21	13 14.99	− 5 13.3	1.544	2.402	16.0	18.9

294650 2008 AR_{73} 4 17.5 187°.99 1°.5/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.12	− 9 13.9	2.019	2.838	13.5	22.1
3 22	14 4.20	− 8 31.7	1.934	2.837	10.3	21.9
4 1	13 57.18	− 7 39.6	1.873	2.836	6.6	21.6
4 11	13 48.70	− 6 41.8	1.838	2.835	2.7	21.4
4 21	13 39.61	− 5 43.6	1.833	2.832	2.6	21.4
5 1	13 30.86	− 4 51.0	1.856	2.829	6.5	21.6
5 11	13 23.35	− 4 9.1	1.905	2.826	10.3	21.8
5 21	13 17.70	− 3 41.3	1.978	2.821	13.6	22.0

185013 2006 QQ_{8} 4 17.5 201°.67 0°.2/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.23	−13 55.3	2.091	2.896	13.6	22.0
3 22	14 4.31	−13 27.6	1.998	2.892	10.5	21.8
4 1	13 57.28	−12 47.3	1.929	2.887	6.9	21.5
4 11	13 48.76	−11 56.9	1.886	2.881	2.9	21.3
4 21	13 39.57	−11 0.7	1.872	2.875	1.4	21.1
5 1	13 30.67	−10 4.3	1.887	2.868	5.6	21.4
5 11	13 22.98	− 9 13.4	1.929	2.861	9.5	21.6
5 21	13 17.12	− 8 32.8	1.995	2.853	12.9	21.8

363750 2005 AC_{37} 4 17.5 147°.02 3°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.29	−21 51.1	1.766	2.552	16.5	21.2
3 22	14 5.52	−21 46.7	1.685	2.559	13.2	20.9
4 1	13 58.22	−21 22.5	1.624	2.565	9.5	20.7
4 11	13 49.16	−20 39.1	1.588	2.571	5.6	20.5
4 21	13 39.37	−19 39.9	1.579	2.577	3.4	20.4
5 1	13 30.05	−18 30.9	1.597	2.582	6.0	20.5
5 11	13 22.27	−17 20.5	1.641	2.586	9.9	20.8
5 21	13 16.75	−16 16.1	1.709	2.591	13.6	21.0

500038 2011 SG_{136} 4 17.5 156°.43 0°.9/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.28	−10 40.1	2.669	3.482	10.8	21.9
3 22	13 59.25	− 9 50.7	2.586	3.487	8.1	21.7
4 1	13 53.74	− 8 52.6	2.528	3.491	5.2	21.6
4 11	13 47.26	− 7 49.4	2.498	3.494	2.0	21.3
4 21	13 40.40	− 6 45.5	2.497	3.498	1.8	21.3
5 1	13 33.81	− 5 45.3	2.527	3.501	4.9	21.6
5 11	13 28.10	− 4 53.2	2.584	3.504	7.9	21.7
5 21	13 23.71	− 4 12.1	2.665	3.507	10.6	21.9

61734 2000 QA_{151} 4 17.5 194°.69 3°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.47	−22 17.7	1.852	2.632	16.0	19.5
3 22	14 5.68	−22 18.4	1.761	2.631	13.0	19.3
4 1	13 58.37	−22 0.0	1.691	2.628	9.4	19.1
4 11	13 49.25	−21 22.4	1.645	2.626	5.7	18.8
4 21	13 39.30	−20 28.1	1.626	2.622	3.6	18.7
5 1	13 29.71	−19 22.8	1.635	2.619	6.0	18.8
5 11	13 21.55	−18 14.1	1.670	2.614	9.8	19.0
5 21	13 15.61	−17 9.6	1.729	2.609	13.5	19.3

406370 2007 RV_{252} 4 17.5 65°.73 2°.4/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.67	−16 29.6	1.427	2.244	18.2	20.5
3 22	14 6.99	−16 47.4	1.358	2.255	14.3	20.2
4 1	13 59.36	−16 49.0	1.310	2.265	9.7	20.0
4 11	13 49.66	−16 35.1	1.284	2.276	4.9	19.7
4 21	13 39.12	−16 8.9	1.284	2.286	2.6	19.6
5 1	13 29.19	−15 36.1	1.311	2.297	6.7	19.9
5 11	13 21.12	−15 4.0	1.361	2.308	11.4	20.2
5 21	13 15.71	−14 38.8	1.433	2.319	15.4	20.5

286318 2001 WA_{78} 4 17.5 239°.17 1°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.31	−16 56.9	2.481	3.276	12.0	21.1
3 22	14 0.30	−16 29.7	2.382	3.267	9.4	20.9
4 1	13 54.58	−15 49.5	2.306	3.259	6.3	20.7
4 11	13 47.65	−14 58.5	2.257	3.250	3.0	20.4
4 21	13 40.20	−14 0.1	2.237	3.240	1.4	20.3
5 1	13 32.96	−12 58.9	2.247	3.231	4.6	20.5
5 11	13 26.67	−12 0.2	2.284	3.221	7.9	20.7
5 21	13 21.85	−11 8.6	2.346	3.211	11.0	20.9

266308 2007 CR_{19} 4 17.5 126°.90 1°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.71	− 9 53.4	1.932	2.755	13.9	21.6
3 22	14 3.12	− 9 10.0	1.860	2.765	10.5	21.4
4 1	13 56.45	− 8 16.3	1.810	2.775	6.7	21.2
4 11	13 48.40	− 7 16.8	1.787	2.784	2.7	21.0
4 21	13 39.83	− 6 17.1	1.792	2.793	2.4	21.0
5 1	13 31.71	− 5 23.3	1.826	2.801	6.4	21.2
5 11	13 24.89	− 4 40.6	1.885	2.809	10.2	21.5
5 21	13 19.95	− 4 12.1	1.968	2.817	13.4	21.7

177393 2004 BH_{88} 4 17.5 111°.74 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.41	−19 18.4	1.733	2.533	16.2	20.7
3 22	14 4.03	−18 59.2	1.657	2.543	12.8	20.5
4 1	13 57.22	−18 21.4	1.602	2.552	8.8	20.3
4 11	13 48.75	−17 26.9	1.572	2.561	4.6	20.0
4 21	13 39.65	−16 20.3	1.569	2.570	2.3	19.9
5 1	13 31.04	−15 8.5	1.593	2.579	5.8	20.1
5 11	13 23.96	−13 59.5	1.643	2.588	10.0	20.4
5 21	13 19.04	−13 0.0	1.717	2.596	13.6	20.6

165428 2000 YR_{62} 4 17.5 158°.32 0°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.72	−15 3.9	2.005	2.806	14.2	20.6
3 22	14 5.44	−14 41.7	1.924	2.814	11.0	20.4
4 1	13 57.98	−14 6.1	1.865	2.821	7.3	20.1
4 11	13 49.04	−13 19.6	1.833	2.827	3.2	19.9
4 21	13 39.50	−12 26.4	1.830	2.833	1.4	19.8
5 1	13 30.37	−11 32.1	1.855	2.838	5.5	20.1
5 11	13 22.58	−10 42.7	1.907	2.842	9.4	20.3
5 21	13 16.74	−10 2.7	1.984	2.845	12.8	20.5

299409 2005 YO_{52} 4 17.5 107°.27 0°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.98	−14 36.4	1.435	2.261	17.6	21.4
3 22	14 4.90	−14 9.6	1.361	2.266	13.6	21.1
4 1	13 58.00	−13 25.2	1.309	2.271	9.0	20.9
4 11	13 49.13	−12 26.8	1.280	2.276	3.8	20.6
4 21	13 39.44	−11 20.6	1.277	2.280	1.8	20.4
5 1	13 30.31	−10 14.9	1.300	2.285	7.0	20.8
5 11	13 22.93	− 9 18.1	1.347	2.289	11.9	21.1
5 21	13 18.07	− 8 36.1	1.416	2.294	16.1	21.3

256622 2007 VP_{191} 4 17.5 206°.73 3°.7/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.34	− 2 39.2	1.991	2.820	13.3	21.7
3 22	14 5.19	− 1 52.8	1.907	2.815	10.2	21.5
4 1	13 57.87	− 1 1.6	1.846	2.809	6.7	21.3
4 11	13 49.02	− 0 11.1	1.812	2.802	3.9	21.1
4 21	13 39.51	+ 0 33.0	1.807	2.795	4.7	21.1
5 1	13 30.33	+ 1 5.4	1.829	2.787	7.9	21.3
5 11	13 22.38	+ 1 22.4	1.877	2.778	11.5	21.5
5 21	13 16.34	+ 1 22.5	1.948	2.769	14.6	21.7

347338 2012 OC_{6} 4 17.5 254°.10 6°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.08	+ 6 43.7	2.330	3.161	11.5	20.8
3 22	14 2.52	+ 8 0.8	2.239	3.139	9.2	20.6
4 1	13 56.08	+ 9 17.3	2.173	3.117	7.2	20.5
4 11	13 48.30	+10 26.2	2.134	3.094	6.4	20.4
4 21	13 39.88	+11 21.4	2.123	3.071	7.5	20.4
5 1	13 31.64	+11 57.7	2.139	3.046	9.8	20.5
5 11	13 24.38	+12 12.5	2.179	3.022	12.4	20.6
5 21	13 18.69	+12 5.7	2.240	2.996	14.9	20.8

192742 1999 TL_{215} 4 17.5 167°.30 1°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.80	−10 32.6	2.377	3.191	11.9	21.2
3 22	14 1.35	− 9 42.6	2.294	3.195	9.0	21.0
4 1	13 55.19	− 8 43.1	2.236	3.199	5.7	20.8
4 11	13 47.89	− 7 37.8	2.205	3.202	2.3	20.6
4 21	13 40.13	− 6 31.6	2.204	3.204	2.1	20.6
5 1	13 32.70	− 5 29.8	2.232	3.206	5.5	20.8
5 11	13 26.29	− 4 37.2	2.288	3.208	8.8	21.0
5 21	13 21.40	− 3 57.0	2.368	3.209	11.7	21.2

191691 2004 RK_{144} 4 17.5 285°.47 1°.4/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.06	−18 59.8	1.815	2.621	15.3	20.2
3 22	14 0.79	−18 13.8	1.717	2.608	12.1	20.0
4 1	13 55.24	−17 6.9	1.641	2.595	8.3	19.7
4 11	13 48.02	−15 41.7	1.589	2.582	4.0	19.4
4 21	13 40.03	−14 3.7	1.566	2.569	1.7	19.2
5 1	13 32.33	−12 21.1	1.569	2.556	5.9	19.5
5 11	13 25.92	−10 43.3	1.600	2.543	10.3	19.7
5 21	13 21.50	− 9 18.2	1.653	2.530	14.2	19.9

176526 2001 YL_{121} 4 17.5 127°.36 1°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.88	− 5 59.7	2.428	3.246	11.5	20.3
3 22	14 2.86	− 5 46.7	2.349	3.252	8.7	20.1
4 1	13 56.14	− 5 29.4	2.295	3.258	5.6	19.9
4 11	13 48.26	− 5 10.7	2.268	3.264	2.4	19.7
4 21	13 39.94	− 4 53.7	2.271	3.269	2.4	19.7
5 1	13 31.94	− 4 41.8	2.302	3.274	5.6	19.9
5 11	13 24.96	− 4 37.5	2.362	3.279	8.7	20.1
5 21	13 19.51	− 4 42.7	2.445	3.284	11.5	20.3

141181 2001 XT_{168} 4 17.5 99°.77 0°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.43	−12 32.3	2.460	3.267	11.7	20.1
3 22	14 0.97	−12 7.1	2.386	3.282	8.9	20.0
4 1	13 54.88	−11 32.7	2.336	3.296	5.8	19.8
4 11	13 47.74	−10 51.9	2.314	3.310	2.3	19.6
4 21	13 40.23	−10 8.4	2.321	3.324	1.3	19.5
5 1	13 33.06	− 9 26.2	2.357	3.338	4.7	19.8
5 11	13 26.91	− 8 49.6	2.421	3.351	7.9	20.0
5 21	13 22.23	− 8 21.4	2.509	3.364	10.7	20.2

308347 2005 QY_{47} 4 17.5 215°.67 2°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.37	− 4 18.7	2.753	3.575	10.2	21.6
3 22	14 0.08	− 3 38.0	2.663	3.569	7.7	21.4
4 1	13 54.31	− 2 53.0	2.600	3.563	5.0	21.3
4 11	13 47.53	− 2 7.5	2.564	3.556	2.7	21.1
4 21	13 40.32	− 1 25.1	2.558	3.550	3.1	21.1
5 1	13 33.33	− 0 49.9	2.581	3.542	5.7	21.3
5 11	13 27.17	− 0 24.8	2.632	3.535	8.5	21.4
5 21	13 22.29	− 0 11.6	2.706	3.527	11.0	21.6

111252 2001 XA_{10} 4 17.5 205°.93 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.16	−11 12.9	2.292	3.099	12.5	19.7
3 22	14 4.09	−10 52.9	2.198	3.094	9.6	19.5
4 1	13 57.07	−10 23.7	2.128	3.088	6.2	19.3
4 11	13 48.69	− 9 47.8	2.085	3.081	2.5	19.0
4 21	13 39.70	− 9 9.0	2.071	3.074	1.6	18.9
5 1	13 30.95	− 8 31.6	2.087	3.066	5.4	19.2
5 11	13 23.28	− 8 0.1	2.131	3.058	9.0	19.4
5 21	13 17.29	− 7 37.7	2.198	3.049	12.2	19.6

315490 2008 AF 4 17.5 118°.94 2°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.17	−17 46.9	1.887	2.680	15.3	21.9
3 22	14 6.62	−17 42.0	1.816	2.698	12.0	21.7
4 1	13 58.76	−17 21.9	1.766	2.715	8.2	21.5
4 11	13 49.35	−16 48.1	1.742	2.732	4.1	21.3
4 21	13 39.39	−16 4.3	1.746	2.748	2.1	21.2
5 1	13 29.96	−15 15.8	1.779	2.763	5.5	21.4
5 11	13 22.02	−14 28.8	1.838	2.778	9.4	21.7
5 21	13 16.21	−13 48.8	1.921	2.792	12.8	21.9

464297 2016 AV_{95} 4 17.5 141°.20 1°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.73	−10 30.7	1.531	2.362	16.4	21.9
3 22	14 5.28	− 9 58.4	1.457	2.366	12.6	21.6
4 1	13 58.16	− 9 13.4	1.404	2.370	8.1	21.4
4 11	13 49.19	− 8 20.1	1.376	2.373	3.2	21.1
4 21	13 39.45	− 7 24.9	1.375	2.377	2.5	21.0
5 1	13 30.23	− 6 34.9	1.400	2.380	7.4	21.3
5 11	13 22.64	− 5 56.8	1.450	2.383	12.0	21.6
5 21	13 17.43	− 5 34.5	1.521	2.385	15.9	21.9

502641 2015 CN_{38} 4 17.5 122°.41 4°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.72	−24 11.9	2.045	2.807	15.3	22.1
3 22	14 6.41	−24 45.3	1.962	2.816	12.5	22.0
4 1	13 58.73	−25 2.0	1.900	2.824	9.4	21.8
4 11	13 49.40	−25 0.7	1.864	2.833	6.4	21.6
4 21	13 39.34	−24 42.2	1.854	2.841	4.7	21.5
5 1	13 29.65	−24 9.9	1.872	2.849	6.1	21.6
5 11	13 21.35	−23 29.7	1.917	2.856	9.1	21.8
5 21	13 15.12	−22 47.9	1.986	2.864	12.1	22.0

341221 2007 RB_{135} 4 17.5 232°.37 0°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.05	−13 55.9	2.199	3.007	12.9	22.1
3 22	14 1.82	−13 34.7	2.106	3.001	10.0	21.9
4 1	13 55.66	−13 1.9	2.037	2.996	6.6	21.6
4 11	13 48.14	−12 19.9	1.995	2.990	2.8	21.4
4 21	13 40.01	−11 32.4	1.980	2.984	1.3	21.2
5 1	13 32.15	−10 44.4	1.995	2.978	5.2	21.5
5 11	13 25.37	−10 1.0	2.036	2.971	8.9	21.7
5 21	13 20.27	− 9 26.3	2.101	2.965	12.2	21.9

62338 2000 SN_{128} 4 17.5 268°.69 1°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.24	− 8 18.7	1.923	2.745	14.0	19.5
3 22	14 5.39	− 8 13.1	1.825	2.730	10.8	19.3
4 1	13 58.18	− 8 0.1	1.750	2.714	7.0	19.0
4 11	13 49.23	− 7 42.7	1.702	2.698	2.8	18.7
4 21	13 39.41	− 7 24.4	1.681	2.682	2.2	18.6
5 1	13 29.77	− 7 9.5	1.688	2.666	6.5	18.9
5 11	13 21.37	− 7 2.2	1.721	2.649	10.7	19.1
5 21	13 14.95	− 7 5.4	1.777	2.633	14.4	19.3

164110 2003 XM_{16} 4 17.5 288°.31 5°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.38	+ 2 26.6	2.005	2.845	12.8	19.7
3 22	14 2.38	+ 3 35.7	1.904	2.814	10.0	19.5
4 1	13 56.22	+ 4 48.0	1.826	2.783	7.3	19.3
4 11	13 48.44	+ 5 56.6	1.775	2.752	5.8	19.1
4 21	13 39.82	+ 6 54.3	1.751	2.721	7.0	19.1
5 1	13 31.32	+ 7 34.6	1.754	2.689	9.9	19.2
5 11	13 23.87	+ 7 53.4	1.781	2.657	13.3	19.3
5 21	13 18.21	+ 7 49.5	1.828	2.625	16.4	19.5

41732 2000 UU_{98} 4 17.5 104°.35 1°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.23	−17 42.4	2.092	2.884	14.0	19.5
3 22	14 4.16	−17 32.2	2.020	2.902	11.0	19.3
4 1	13 57.08	−17 8.1	1.971	2.921	7.5	19.1
4 11	13 48.66	−16 31.9	1.948	2.938	3.7	18.9
4 21	13 39.78	−15 47.1	1.954	2.956	1.9	18.8
5 1	13 31.37	−14 58.5	1.988	2.973	5.0	19.1
5 11	13 24.25	−14 11.8	2.049	2.989	8.6	19.3
5 21	13 18.98	−13 31.6	2.135	3.005	11.7	19.6

29799 Trinirussell 4 17.5 326°.87 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.12	− 9 37.4	2.072	2.901	12.9	19.0
3 22	13 59.61	− 8 39.9	1.989	2.898	9.7	18.7
4 1	13 54.22	− 7 31.6	1.930	2.896	6.2	18.5
4 11	13 47.55	− 6 17.4	1.898	2.894	2.6	18.3
4 21	13 40.35	− 5 3.2	1.893	2.892	2.7	18.3
5 1	13 33.46	− 3 55.5	1.917	2.890	6.4	18.5
5 11	13 27.68	− 2 59.6	1.967	2.889	10.0	18.7
5 21	13 23.54	− 2 19.3	2.040	2.887	13.1	18.9

338246 2002 TP_{157} 4 17.5 263°.04 4°.9/13.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.67	+ 4 27.8	2.333	3.151	12.0	21.0
3 22	14 7.54	+ 4 45.4	2.233	3.130	9.4	20.7
4 1	13 59.34	+ 5 0.5	2.158	3.109	6.8	20.5
4 11	13 49.64	+ 5 8.3	2.110	3.088	5.0	20.4
4 21	13 39.22	+ 5 5.1	2.092	3.066	5.6	20.4
5 1	13 28.98	+ 4 47.9	2.103	3.044	8.2	20.5
5 11	13 19.80	+ 4 15.3	2.141	3.021	11.2	20.6
5 21	13 12.34	+ 3 27.9	2.203	2.998	14.0	20.8

171935 2001 SJ_{223} 4 17.5 181°.84 0°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.87	−12 50.5	2.357	3.165	12.2	20.9
3 22	14 1.50	−12 32.9	2.270	3.165	9.4	20.7
4 1	13 55.36	−12 5.6	2.206	3.165	6.1	20.5
4 11	13 47.99	−11 31.0	2.170	3.165	2.5	20.3
4 21	13 40.12	−10 52.5	2.162	3.165	1.3	20.2
5 1	13 32.52	−10 14.2	2.183	3.165	4.9	20.4
5 11	13 25.94	− 9 40.5	2.231	3.164	8.3	20.6
5 21	13 20.92	− 9 14.8	2.304	3.163	11.4	20.8

368953 2007 AL_{18} 4 17.5 79°.97 3°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.24	− 4 7.2	1.698	2.533	14.9	20.7
3 22	14 5.13	− 3 27.3	1.642	2.554	11.2	20.5
4 1	13 57.75	− 2 42.4	1.610	2.575	7.2	20.3
4 11	13 48.93	− 1 58.4	1.603	2.596	3.8	20.1
4 21	13 39.68	− 1 21.0	1.624	2.617	4.3	20.2
5 1	13 31.06	− 0 55.3	1.671	2.637	7.8	20.5
5 11	13 23.99	− 0 44.7	1.744	2.657	11.5	20.7
5 21	13 19.02	− 0 50.0	1.838	2.677	14.7	21.0

506557 2005 SY_{109} 4 17.5 267°.75 0°.4/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.68	−12 43.2	2.406	3.219	11.8	21.8
3 22	13 59.06	−11 56.2	2.314	3.214	9.0	21.6
4 1	13 53.78	−10 57.9	2.247	3.209	5.8	21.3
4 11	13 47.36	− 9 51.9	2.207	3.203	2.3	21.1
4 21	13 40.46	− 8 42.6	2.195	3.198	1.5	21.0
5 1	13 33.81	− 7 35.4	2.213	3.192	5.1	21.3
5 11	13 28.11	− 6 35.6	2.258	3.187	8.5	21.5
5 21	13 23.85	− 5 47.1	2.328	3.182	11.5	21.7

381448 2008 RK_{16} 4 17.5 182°.77 1°.7/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.63	−18 9.0	2.437	3.221	12.5	22.2
3 22	14 2.83	−17 56.1	2.344	3.222	9.8	22.0
4 1	13 56.22	−17 30.3	2.275	3.222	6.8	21.8
4 11	13 48.35	−16 53.0	2.233	3.222	3.5	21.6
4 21	13 39.94	−16 7.1	2.219	3.221	1.8	21.5
5 1	13 31.81	−15 16.7	2.235	3.219	4.6	21.7
5 11	13 24.72	−14 27.0	2.279	3.218	7.9	21.9
5 21	13 19.21	−13 42.6	2.348	3.215	10.9	22.1

189597 2000 WG_{119} 4 17.5 213°.34 2°.2/19.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.25	−19 42.5	2.485	3.260	12.5	20.7
3 22	14 3.37	−19 33.3	2.382	3.253	10.0	20.5
4 1	13 56.61	−19 10.5	2.302	3.244	7.0	20.3
4 11	13 48.53	−18 34.8	2.249	3.235	3.9	20.1
4 21	13 39.83	−17 48.8	2.225	3.225	2.2	19.9
5 1	13 31.34	−16 56.3	2.230	3.214	4.7	20.1
5 11	13 23.86	−16 2.8	2.264	3.203	7.9	20.3
5 21	13 17.96	−15 13.1	2.323	3.191	11.0	20.4

258855 2002 PP_{117} 4 17.5 216°.16 2°.2/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.29	−20 34.8	2.113	2.895	14.2	21.2
3 22	14 3.71	−20 7.4	2.013	2.887	11.4	21.0
4 1	13 56.98	−19 21.9	1.935	2.879	8.0	20.8
4 11	13 48.71	−18 19.9	1.883	2.869	4.3	20.5
4 21	13 39.74	−17 4.9	1.859	2.859	2.3	20.4
5 1	13 31.04	−15 43.0	1.864	2.849	5.3	20.6
5 11	13 23.54	−14 21.6	1.896	2.837	9.1	20.8
5 21	13 17.91	−13 7.4	1.954	2.825	12.6	21.0

509924 2009 HS_{87} 4 17.5 302°.08 3°.4/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.27	− 2 40.7	2.160	2.996	12.1	20.7
3 22	14 0.44	− 1 56.0	2.074	2.986	9.2	20.5
4 1	13 54.76	− 1 7.0	2.012	2.976	6.1	20.3
4 11	13 47.79	− 0 18.6	1.976	2.966	3.6	20.1
4 21	13 40.24	+ 0 24.1	1.968	2.957	4.3	20.1
5 1	13 32.95	+ 0 56.1	1.988	2.947	7.3	20.3
5 11	13 26.70	+ 1 14.1	2.034	2.938	10.6	20.5
5 21	13 22.06	+ 1 16.4	2.101	2.929	13.5	20.6

225953 2002 CK_{24} 4 17.5 36°.17 7°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.06	−32 25.8	1.786	2.525	18.0	19.7
3 22	14 3.37	−32 50.0	1.702	2.528	15.4	19.5
4 1	13 57.02	−32 48.3	1.636	2.532	12.5	19.3
4 11	13 48.78	−32 18.2	1.592	2.536	9.6	19.2
4 21	13 39.71	−31 20.4	1.572	2.540	7.7	19.1
5 1	13 31.09	−29 59.8	1.577	2.545	8.0	19.1
5 11	13 24.07	−28 25.3	1.607	2.549	10.3	19.2
5 21	13 19.40	−26 47.1	1.661	2.554	13.3	19.4

156990 Claerbout 4 17.5 163°.75 11°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.28	+22 5.8	1.961	2.767	14.3	19.6
3 22	14 5.86	+23 25.9	1.913	2.769	12.7	19.5
4 1	13 58.21	+24 29.7	1.887	2.770	11.8	19.4
4 11	13 49.13	+25 8.9	1.885	2.771	11.7	19.4
4 21	13 39.57	+25 18.0	1.905	2.772	12.7	19.5
5 1	13 30.59	+24 55.0	1.948	2.773	14.3	19.6
5 11	13 23.08	+24 1.9	2.010	2.773	16.1	19.7
5 21	13 17.62	+22 43.1	2.090	2.774	17.8	19.8

522912 2016 PK_{108} 4 17.5 212°.38 2°.6/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.90	− 2 58.5	2.603	3.427	10.7	21.9
3 22	14 1.31	− 2 28.6	2.517	3.423	8.1	21.7
4 1	13 55.15	− 1 55.6	2.457	3.419	5.3	21.6
4 11	13 47.90	− 1 23.2	2.424	3.415	2.9	21.4
4 21	13 40.20	− 0 55.1	2.420	3.411	3.4	21.4
5 1	13 32.75	− 0 34.8	2.445	3.406	6.0	21.6
5 11	13 26.19	− 0 24.9	2.498	3.401	8.9	21.7
5 21	13 21.02	− 0 26.7	2.574	3.396	11.5	21.9

158059 2000 SW_{358} 4 17.5 82°.92 7°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.29	+ 7 22.7	1.815	2.652	14.0	19.4
3 22	14 5.03	+ 8 20.3	1.765	2.669	11.1	19.3
4 1	13 57.63	+ 9 12.6	1.739	2.686	8.5	19.1
4 11	13 48.88	+ 9 52.2	1.738	2.702	7.2	19.1
4 21	13 39.73	+10 13.6	1.763	2.719	8.1	19.2
5 1	13 31.20	+10 13.5	1.814	2.735	10.5	19.3
5 11	13 24.14	+ 9 51.5	1.888	2.751	13.2	19.5
5 21	13 19.08	+ 9 9.7	1.982	2.767	15.7	19.8

297738 2001 XM_{2} 4 17.5 153°.61 6°.6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.04	−36 3.8	2.993	3.660	12.8	21.1
3 22	14 5.44	−36 46.2	2.900	3.667	11.2	20.9
4 1	13 57.92	−37 11.6	2.827	3.674	9.4	20.8
4 11	13 49.06	−37 17.8	2.778	3.681	7.8	20.7
4 21	13 39.58	−37 4.3	2.755	3.687	6.7	20.6
5 1	13 30.33	−36 32.7	2.759	3.693	6.8	20.6
5 11	13 22.12	−35 47.1	2.791	3.698	7.9	20.7
5 21	13 15.55	−34 52.8	2.847	3.703	9.5	20.8

415846 2001 SA_{69} 4 17.5 134°.25 1°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.63	− 6 22.8	2.340	3.152	12.1	21.7
3 22	14 5.69	− 6 1.8	2.268	3.168	9.2	21.5
4 1	13 57.93	− 5 35.7	2.222	3.184	5.8	21.3
4 11	13 49.00	− 5 7.8	2.203	3.199	2.6	21.1
4 21	13 39.66	− 4 41.8	2.215	3.213	2.6	21.1
5 1	13 30.74	− 4 21.3	2.256	3.226	5.8	21.4
5 11	13 22.99	− 4 9.3	2.325	3.239	9.0	21.6
5 21	13 16.91	− 4 7.7	2.418	3.251	11.8	21.8

171974 2001 TM_{124} 4 17.5 121°.62 2°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.11	−22 3.7	2.329	3.105	13.3	20.1
3 22	14 1.03	−21 50.7	2.242	3.109	10.6	19.9
4 1	13 55.10	−21 21.8	2.176	3.114	7.6	19.7
4 11	13 47.91	−20 38.1	2.137	3.118	4.5	19.5
4 21	13 40.22	−19 42.5	2.125	3.122	2.8	19.4
5 1	13 32.84	−18 39.5	2.142	3.126	4.8	19.5
5 11	13 26.55	−17 35.2	2.186	3.130	7.9	19.7
5 21	13 21.89	−16 35.0	2.255	3.133	10.9	19.9

283732 2002 VB_{68} 4 17.5 262°.84 0°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 57.59	−14 6.7	4.651	5.443	6.8	21.1
3 22	13 54.46	−13 41.1	4.545	5.432	5.2	21.0
4 1	13 50.50	−13 9.7	4.466	5.421	3.4	20.9
4 11	13 45.99	−12 33.8	4.415	5.409	1.5	20.7
4 21	13 41.24	−11 55.5	4.395	5.398	0.7	20.6
5 1	13 36.60	−11 16.7	4.405	5.386	2.7	20.8
5 11	13 32.39	−10 39.7	4.444	5.375	4.6	20.9
5 21	13 28.89	−10 6.5	4.510	5.363	6.3	21.0

28589 2000 EL_{126} 4 17.5 323°.84 2°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.78	− 7 10.3	1.263	2.117	17.9	18.5
3 22	14 4.39	− 6 32.6	1.189	2.111	13.7	18.2
4 1	13 57.93	− 5 43.2	1.135	2.105	8.9	17.9
4 11	13 49.23	− 4 48.4	1.103	2.100	4.0	17.6
4 21	13 39.51	− 3 56.2	1.096	2.095	4.2	17.6
5 1	13 30.26	− 3 15.0	1.113	2.090	9.3	17.9
5 11	13 22.85	− 2 51.7	1.153	2.086	14.3	18.1
5 21	13 18.14	− 2 49.3	1.211	2.082	18.7	18.4

375882 2009 VL_{62} 4 17.5 155°.33 1°.2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.87	− 8 36.2	2.434	3.245	11.7	22.2
3 22	14 3.62	− 8 7.2	2.354	3.254	8.9	22.0
4 1	13 56.63	− 7 31.3	2.300	3.262	5.7	21.8
4 11	13 48.50	− 6 51.6	2.273	3.269	2.3	21.6
4 21	13 39.93	− 6 12.2	2.276	3.276	2.1	21.6
5 1	13 31.70	− 5 36.9	2.309	3.282	5.4	21.8
5 11	13 24.52	− 5 9.6	2.369	3.288	8.6	22.0
5 21	13 18.90	− 4 52.7	2.454	3.293	11.4	22.2

467756 2009 UA_{64} 4 17.5 144°.97 2°.4/15.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.51	− 5 3.3	2.035	2.859	13.2	22.0
3 22	14 5.18	− 4 41.4	1.959	2.865	10.0	21.8
4 1	13 57.79	− 4 14.7	1.908	2.872	6.5	21.6
4 11	13 49.01	− 3 47.1	1.883	2.878	3.0	21.4
4 21	13 39.68	− 3 22.8	1.887	2.883	3.2	21.4
5 1	13 30.75	− 3 6.1	1.919	2.888	6.7	21.6
5 11	13 23.10	− 3 0.1	1.978	2.893	10.2	21.8
5 21	13 17.30	− 3 6.4	2.059	2.898	13.3	22.1

40293 1999 JG_{73} 4 17.6 233°.99 3°.2/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.26	− 5 27.8	1.875	2.705	13.9	19.4
3 22	14 4.62	− 4 31.6	1.782	2.692	10.6	19.2
4 1	13 57.67	− 3 26.5	1.713	2.678	6.9	18.9
4 11	13 49.04	− 2 18.2	1.671	2.664	3.6	18.7
4 21	13 39.62	− 1 13.3	1.656	2.649	4.3	18.7
5 1	13 30.46	− 0 18.8	1.669	2.633	8.0	18.9
5 11	13 22.55	+ 0 20.0	1.708	2.616	12.0	19.1
5 21	13 16.62	+ 0 40.2	1.768	2.599	15.5	19.3

155966 2001 QF_{205} 4 17.6 335°.93 0°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.19	−14 30.8	1.058	1.919	20.1	19.0
3 22	13 59.14	−13 43.3	0.981	1.905	15.6	18.7
4 1	13 54.84	−12 29.6	0.922	1.893	10.2	18.4
4 11	13 48.08	−10 55.0	0.884	1.882	4.1	18.0
4 21	13 40.12	− 9 9.4	0.868	1.872	2.5	17.8
5 1	13 32.58	− 7 26.7	0.875	1.863	9.0	18.2
5 11	13 26.99	− 6 0.5	0.903	1.855	14.9	18.5
5 21	13 24.32	− 4 59.7	0.949	1.849	20.1	18.7

295931 2008 XE_{5} 4 17.6 102°.38 4°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.98	−27 16.3	2.203	2.954	14.7	20.6
3 22	14 2.66	−27 24.9	2.118	2.961	12.2	20.4
4 1	13 56.25	−27 14.4	2.053	2.968	9.3	20.2
4 11	13 48.41	−26 44.4	2.013	2.975	6.5	20.1
4 21	13 39.99	−25 56.7	1.999	2.982	4.9	20.0
5 1	13 31.93	−24 55.5	2.013	2.989	5.8	20.1
5 11	13 25.10	−23 47.3	2.054	2.996	8.4	20.2
5 21	13 20.11	−22 38.8	2.119	3.003	11.2	20.4

231531 2008 SL_{106} 4 17.6 186°.59 0°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.57	−10 57.2	2.200	3.016	12.7	21.3
3 22	14 2.15	−10 26.0	2.115	3.016	9.7	21.1
4 1	13 55.84	− 9 44.9	2.053	3.015	6.2	20.8
4 11	13 48.24	− 8 57.4	2.018	3.014	2.4	20.6
4 21	13 40.09	− 8 7.8	2.011	3.013	1.8	20.5
5 1	13 32.24	− 7 21.1	2.034	3.012	5.6	20.8
5 11	13 25.50	− 6 42.0	2.083	3.010	9.2	21.0
5 21	13 20.41	− 6 13.9	2.156	3.008	12.3	21.2

312732 2010 SA_{14} 4 17.6 289°.69 1°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.13	−10 20.1	1.517	2.354	16.3	20.5
3 22	14 3.73	− 9 43.0	1.415	2.328	12.6	20.2
4 1	13 57.53	− 8 50.9	1.335	2.303	8.2	19.9
4 11	13 49.13	− 7 47.9	1.280	2.277	3.3	19.5
4 21	13 39.54	− 6 40.5	1.249	2.251	2.9	19.4
5 1	13 30.07	− 5 37.1	1.245	2.225	8.1	19.7
5 11	13 22.02	− 4 46.2	1.265	2.199	13.3	19.9
5 21	13 16.37	− 4 13.4	1.305	2.172	17.8	20.1

148435 2000 XJ_{4} 4 17.6 182°.73 3°.0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.94	−24 25.9	3.198	3.942	10.6	21.4
3 22	14 1.22	−24 26.6	3.098	3.942	8.7	21.2
4 1	13 55.04	−24 14.9	3.022	3.942	6.5	21.1
4 11	13 47.88	−23 50.9	2.973	3.942	4.3	20.9
4 21	13 40.29	−23 16.1	2.952	3.941	3.0	20.8
5 1	13 32.90	−22 33.2	2.962	3.939	4.1	20.9
5 11	13 26.30	−21 46.0	3.000	3.938	6.3	21.0
5 21	13 20.96	−20 58.6	3.065	3.935	8.5	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
268435 2005 VO_{43}			4 17.6 143°.45		2°.3/15.6 17	
	h m	° ′			°	m
3 12	14 10.44	− 5 3.9	2.062	2.886	13.1	20.8
3 22	14 5.10	− 4 41.3	1.987	2.893	9.9	20.6
4 1	13 57.73	− 4 13.8	1.936	2.900	6.4	20.4
4 11	13 48.99	− 3 45.5	1.912	2.907	3.0	20.2
4 21	13 39.71	− 3 20.6	1.917	2.913	3.2	20.3
5 1	13 30.85	− 3 3.1	1.950	2.919	6.6	20.5
5 11	13 23.24	− 2 56.2	2.009	2.924	10.1	20.7
5 21	13 17.46	− 3 1.6	2.092	2.929	13.2	20.9
335568 2006 CG_{20}			4 17.6 281°.47		6°.7/23.0 18	
3 12	14 8.60	−29 5.2	1.945	2.693	16.4	20.9
3 22	14 4.53	−29 42.3	1.842	2.678	14.0	20.7
4 1	13 57.86	−29 59.3	1.758	2.664	11.2	20.4
4 11	13 49.22	−29 53.1	1.697	2.650	8.4	20.2
4 21	13 39.54	−29 23.3	1.661	2.635	6.7	20.1
5 1	13 30.01	−28 32.6	1.651	2.620	7.5	20.1
5 11	13 21.82	−27 27.8	1.666	2.606	10.2	20.2
5 21	13 15.84	−26 17.3	1.705	2.591	13.3	20.4
474823 2005 SS_{42}			4 17.6 222°.36		0°.1/17.5 16	
3 12	14 2.95	−14 6.6	2.628	3.432	11.2	21.9
3 22	13 59.14	−13 18.7	2.534	3.428	8.6	21.7
4 1	13 53.80	−12 19.3	2.464	3.423	5.6	21.5
4 11	13 47.40	−11 11.7	2.422	3.417	2.2	21.2
4 21	13 40.56	− 9 59.9	2.409	3.412	1.2	21.1
5 1	13 33.96	− 8 49.1	2.426	3.406	4.6	21.4
5 11	13 28.23	− 7 44.2	2.471	3.401	7.8	21.6
5 21	13 23.85	− 6 49.2	2.541	3.395	10.6	21.8
192537 1998 SL_{89}			4 17.6 173°.98		2°.1/19.2 18	
3 12	14 12.26	−18 15.7	1.779	2.574	16.0	21.5
3 22	14 7.05	−18 7.5	1.694	2.578	12.7	21.3
4 1	13 59.29	−17 42.3	1.631	2.580	8.7	21.0
4 11	13 49.70	−17 1.3	1.592	2.582	4.5	20.8
4 21	13 39.34	−16 8.3	1.581	2.583	2.3	20.6
5 1	13 29.40	−15 9.3	1.599	2.584	6.0	20.8
5 11	13 20.97	−14 11.6	1.642	2.583	10.2	21.1
5 21	13 14.80	−13 21.7	1.709	2.582	14.0	21.3
173966 2001 XJ_{76}			4 17.6 130°.79		2°.9/14.4 18	
3 12	14 5.80	− 2 31.3	2.599	3.423	10.7	20.9
3 22	14 1.15	− 1 51.5	2.527	3.434	8.1	20.8
4 1	13 54.99	− 1 9.0	2.481	3.443	5.3	20.6
4 11	13 47.85	− 0 27.7	2.463	3.453	3.1	20.5
4 21	13 40.35	+ 0 8.2	2.474	3.462	3.6	20.5
5 1	13 33.16	+ 0 35.4	2.514	3.471	6.1	20.7
5 11	13 26.92	+ 0 51.1	2.581	3.479	8.8	20.9
5 21	13 22.06	+ 0 54.4	2.672	3.488	11.3	21.0
505987 2015 GM_{32}			4 17.6 264°.26		6°.3/11.4 18	
3 12	14 6.85	+ 6 33.1	2.137	2.972	12.3	20.5
3 22	14 2.37	+ 7 29.1	2.063	2.967	9.7	20.4
4 1	13 55.99	+ 8 22.3	2.014	2.962	7.4	20.2
4 11	13 48.31	+ 9 6.2	1.990	2.956	6.3	20.1
4 21	13 40.11	+ 9 35.5	1.994	2.951	7.3	20.2
5 1	13 32.23	+ 9 46.2	2.024	2.945	9.6	20.3
5 11	13 25.48	+ 9 36.7	2.078	2.940	12.2	20.5
5 21	13 20.42	+ 9 7.8	2.153	2.934	14.7	20.6
425288 2009 WK_{208}			4 17.6 67°.55		0°.8/16.9 17	
3 12	14 8.82	−10 13.3	1.760	2.585	14.9	21.3
3 22	14 4.15	− 9 56.0	1.695	2.601	11.3	21.1
4 1	13 57.23	− 9 29.0	1.652	2.616	7.2	20.9
4 11	13 48.81	− 8 55.8	1.635	2.632	2.8	20.7
4 21	13 39.87	− 8 21.2	1.645	2.647	2.0	20.6
5 1	13 31.46	− 7 50.2	1.683	2.663	6.3	20.9
5 11	13 24.51	− 7 27.7	1.746	2.679	10.3	21.2
5 21	13 19.61	− 7 16.7	1.832	2.695	13.7	21.5
501703 2014 UA_{13}			4 17.6 290°.96		2°.3/18.9 17	
3 12	14 9.72	−16 20.0	1.453	2.273	17.8	21.3
3 22	14 5.97	−16 35.7	1.355	2.253	14.2	21.0
4 1	13 59.13	−16 35.6	1.277	2.234	9.8	20.7
4 11	13 49.85	−16 19.6	1.222	2.214	5.0	20.4
4 21	13 39.21	−15 50.2	1.192	2.194	2.6	20.2
5 1	13 28.69	−15 12.6	1.188	2.175	7.2	20.4
5 11	13 19.77	−14 34.6	1.207	2.155	12.4	20.6
5 21	13 13.50	−14 3.5	1.247	2.136	17.0	20.8
214669 2006 SZ_{147}			4 17.6 47°.32		1°.7/15.7 17	
3 12	14 2.39	−10 59.1	1.965	2.794	13.4	20.2
3 22	13 59.05	− 9 38.0	1.898	2.808	10.1	20.0
4 1	13 53.84	− 8 4.7	1.855	2.822	6.3	19.8
4 11	13 47.43	− 6 25.2	1.839	2.836	2.6	19.6
4 21	13 40.61	− 4 47.0	1.852	2.851	2.8	19.6
5 1	13 34.23	− 3 17.6	1.893	2.865	6.5	19.9
5 11	13 29.04	− 2 3.1	1.960	2.880	10.0	20.1
5 21	13 25.52	− 1 7.0	2.050	2.895	13.1	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
131773 2002 AW_{18}			4 17.6 97°.63		3°.2/15.2 18	
	h m	° ′			°	m
3 12	14 11.65	− 5 39.8	1.543	2.379	16.1	19.6
3 22	14 6.47	− 4 51.3	1.486	2.398	12.2	19.4
4 1	13 58.77	− 3 55.2	1.451	2.417	7.8	19.2
4 11	13 49.43	− 2 58.2	1.442	2.436	3.8	19.0
4 21	13 39.58	− 2 7.1	1.459	2.454	4.3	19.1
5 1	13 30.43	− 1 28.4	1.503	2.472	8.3	19.3
5 11	13 22.99	− 1 6.4	1.572	2.489	12.3	19.6
5 21	13 17.88	− 1 2.6	1.662	2.506	15.7	19.9
501065 2013 SC_{32}			4 17.6 131°.16		1°.1/16.5 17	
3 12	14 7.47	−10 6.7	1.966	2.788	13.7	22.3
3 22	14 2.98	− 9 29.4	1.890	2.795	10.4	22.1
4 1	13 56.44	− 8 42.0	1.837	2.802	6.6	21.9
4 11	13 48.51	− 7 48.5	1.811	2.808	2.6	21.6
4 21	13 40.04	− 6 54.3	1.813	2.814	2.2	21.6
5 1	13 31.98	− 6 4.9	1.843	2.820	6.2	21.9
5 11	13 25.18	− 5 25.5	1.900	2.826	10.0	22.1
5 21	13 20.22	− 4 59.3	1.979	2.832	13.2	22.3
102725 1999 VE_{100}			4 17.6 79°.58		0°.6/18.0 18	
3 12	14 9.35	−14 47.4	1.561	2.381	16.7	20.4
3 22	14 4.86	−14 22.5	1.497	2.398	12.9	20.2
4 1	13 57.81	−13 41.8	1.454	2.414	8.4	20.0
4 11	13 49.08	−12 48.8	1.436	2.431	3.6	19.8
4 21	13 39.77	−11 49.3	1.444	2.448	1.6	19.6
5 1	13 31.08	−10 50.4	1.479	2.464	6.4	20.0
5 11	13 24.06	− 9 59.5	1.540	2.480	10.8	20.3
5 21	13 19.34	− 9 21.5	1.622	2.497	14.6	20.6
58642 1997 WL_{24}			4 17.6 172°.49		0°.2/17.3 17	
3 12	14 8.73	−12 23.5	2.306	3.111	12.5	20.7
3 22	14 3.70	−11 54.4	2.220	3.115	9.6	20.5
4 1	13 56.81	−11 15.0	2.158	3.118	6.2	20.3
4 11	13 48.65	−10 28.3	2.124	3.120	2.5	20.1
4 21	13 39.97	− 9 38.1	2.119	3.122	1.4	20.0
5 1	13 31.61	− 8 49.3	2.143	3.123	5.2	20.3
5 11	13 24.35	− 8 6.7	2.195	3.123	8.7	20.5
5 21	13 18.74	− 7 33.9	2.272	3.123	11.8	20.7
119871 2002 CP_{167}			4 17.6 180°.41		3°.9/22.2 18	
3 12	14 8.41	−26 34.0	3.123	3.852	11.2	20.7
3 22	14 3.20	−26 55.7	3.024	3.853	9.3	20.5
4 1	13 56.40	−27 4.5	2.947	3.854	7.1	20.4
4 11	13 48.48	−26 59.8	2.897	3.854	5.1	20.3
4 21	13 40.05	−26 42.4	2.875	3.853	3.9	20.2
5 1	13 31.81	−26 14.2	2.883	3.853	4.7	20.2
5 11	13 24.41	−25 38.9	2.919	3.852	6.6	20.4
5 21	13 18.36	−25 0.6	2.982	3.850	8.8	20.5
127572 2003 AR_{30}			4 17.6 23°.40		4°.4/20.5 18	
3 12	14 8.56	−21 37.6	1.275	2.089	20.1	19.7
3 22	14 5.18	−21 53.7	1.202	2.091	16.3	19.5
4 1	13 58.56	−21 45.9	1.146	2.094	11.8	19.2
4 11	13 49.55	−21 13.6	1.112	2.096	7.1	19.0
4 21	13 39.48	−20 19.9	1.102	2.100	4.5	18.8
5 1	13 29.95	−19 12.5	1.115	2.103	7.5	19.0
5 11	13 22.43	−18 2.1	1.152	2.107	12.2	19.3
5 21	13 17.80	−16 58.7	1.210	2.111	16.6	19.5
365839 2011 UK_{26}			4 17.6 99°.83		0°.1/17.5 18	
3 12	14 8.82	−14 16.9	1.534	2.358	16.8	21.4
3 22	14 4.51	−13 31.9	1.467	2.371	12.9	21.2
4 1	13 57.63	−12 30.0	1.421	2.383	8.4	20.9
4 11	13 49.03	−11 15.8	1.400	2.396	3.4	20.7
4 21	13 39.80	− 9 56.3	1.405	2.408	1.8	20.6
5 1	13 31.18	− 8 40.2	1.437	2.420	6.8	20.9
5 11	13 24.22	− 7 35.5	1.495	2.432	11.3	21.2
5 21	13 19.58	− 6 47.2	1.574	2.443	15.2	21.5
505312 2012 XW_{63}			4 17.6 111°.96		1°.2/19.0 17	
3 12	14 4.02	−18 28.3	2.434	3.224	12.3	21.5
3 22	14 0.03	−17 46.7	2.351	3.233	9.6	21.3
4 1	13 54.39	−16 50.9	2.292	3.242	6.5	21.2
4 11	13 47.65	−15 43.4	2.260	3.251	3.1	20.9
4 21	13 40.51	−14 28.5	2.257	3.260	1.4	20.8
5 1	13 33.71	−13 11.6	2.283	3.268	4.5	21.1
5 11	13 27.92	−11 58.6	2.338	3.276	7.7	21.3
5 21	13 23.63	−10 54.1	2.417	3.284	10.6	21.5
292770 2006 UU_{203}			4 17.6 173°.31		2°.1/19.7 18	
3 12	14 8.27	−18 25.2	2.697	3.473	11.6	21.5
3 22	14 3.20	−18 36.1	2.604	3.475	9.2	21.3
4 1	13 56.44	−18 36.4	2.535	3.477	6.4	21.1
4 11	13 48.50	−18 26.6	2.493	3.478	3.6	20.9
4 21	13 40.05	−18 8.4	2.480	3.479	2.1	20.8
5 1	13 31.82	−17 44.5	2.497	3.480	4.3	21.0
5 11	13 24.53	−17 18.8	2.542	3.480	7.2	21.2
5 21	13 18.70	−16 54.8	2.613	3.480	9.9	21.3

417053 2005 UO_{182} 4 17.6 108°.07 1°.0/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.48	− 9 40.9	1.959	2.778	13.8	21.7
3 22	14 4.45	− 9 16.7	1.889	2.792	10.5	21.5
4 1	13 57.34	− 8 43.6	1.843	2.806	6.7	21.3
4 11	13 48.86	− 8 5.3	1.824	2.820	2.6	21.0
4 21	13 39.89	− 7 26.3	1.832	2.834	2.1	21.0
5 1	13 31.39	− 6 51.6	1.869	2.847	6.0	21.3
5 11	13 24.21	− 6 25.5	1.932	2.860	9.8	21.5
5 21	13 18.94	− 6 10.9	2.019	2.872	13.0	21.8

87850 2000 SP_{213} 4 17.6 243°.26 2°.8/15.1 18

3 12	14 11.08	− 3 15.0	2.358	3.176	11.8	20.2
3 22	14 5.60	− 2 49.8	2.255	3.157	9.1	20.0
4 1	13 58.15	− 2 20.9	2.176	3.137	6.0	19.7
4 11	13 49.25	− 1 51.9	2.125	3.117	3.2	19.5
4 21	13 39.64	− 1 27.0	2.104	3.096	3.6	19.5
5 1	13 30.18	− 1 10.0	2.112	3.074	6.7	19.7
5 11	13 21.71	− 1 4.1	2.147	3.052	10.1	19.8
5 21	13 14.87	− 1 11.0	2.207	3.029	13.1	20.0

391299 2006 SF_{325} 4 17.6 78°.40 1°.0/16.5 17

3 12	14 4.57	−10 48.2	2.314	3.131	12.1	21.5
3 22	14 0.38	− 9 59.7	2.249	3.152	9.1	21.4
4 1	13 54.56	− 9 2.1	2.209	3.172	5.7	21.2
4 11	13 47.70	− 7 59.6	2.196	3.193	2.2	21.0
4 21	13 40.51	− 6 57.0	2.212	3.213	1.9	21.0
5 1	13 33.73	− 5 59.3	2.257	3.233	5.3	21.3
5 11	13 28.01	− 5 11.1	2.329	3.253	8.5	21.5
5 21	13 23.80	− 4 35.1	2.425	3.272	11.3	21.7

63949 2001 SX_{60} 4 17.6 103°.15 0°.2/17.7 18

3 12	14 11.84	−12 20.8	1.433	2.261	17.6	19.8
3 22	14 7.16	−12 17.0	1.360	2.266	13.6	19.5
4 1	13 59.56	−11 59.9	1.308	2.271	8.9	19.3
4 11	13 49.88	−11 32.2	1.280	2.276	3.7	19.0
4 21	13 39.35	−10 58.5	1.277	2.281	1.8	18.8
5 1	13 29.35	−10 25.1	1.301	2.286	7.1	19.2
5 11	13 21.16	− 9 58.7	1.349	2.290	12.0	19.5
5 21	13 15.57	− 9 43.8	1.419	2.295	16.1	19.7

272773 2005 YO_{189} 4 17.6 295°.23 6°.1/12.2 18

3 12	14 6.15	+ 2 28.2	1.763	2.609	13.9	20.0
3 22	14 2.29	+ 3 35.8	1.686	2.600	10.9	19.8
4 1	13 56.18	+ 4 44.9	1.632	2.591	7.8	19.6
4 11	13 48.48	+ 5 47.8	1.604	2.582	6.1	19.5
4 21	13 40.08	+ 6 37.2	1.602	2.573	7.3	19.5
5 1	13 32.03	+ 7 7.0	1.625	2.564	10.2	19.7
5 11	13 25.29	+ 7 14.0	1.672	2.556	13.6	19.8
5 21	13 20.52	+ 6 58.4	1.738	2.547	16.6	20.0

219576 2001 SJ_{221} 4 17.6 102°.70 2°.6/19.4 17

3 12	14 13.10	−17 14.9	1.821	2.616	15.7	20.4
3 22	14 7.61	−17 42.5	1.743	2.626	12.4	20.2
4 1	13 59.62	−17 56.8	1.688	2.636	8.6	20.0
4 11	13 49.87	−17 58.0	1.657	2.645	4.6	19.8
4 21	13 39.38	−17 47.6	1.654	2.654	2.7	19.7
5 1	13 29.32	−17 29.5	1.679	2.664	5.8	19.9
5 11	13 20.78	−17 9.0	1.731	2.673	9.7	20.2
5 21	13 14.46	−16 51.3	1.806	2.681	13.2	20.4

140066 2001 SR_{108} 4 17.6 93°.59 2°.4/20.3 18

3 12	14 7.78	−20 50.2	2.602	3.371	12.2	19.6
3 22	14 2.73	−20 46.5	2.531	3.396	9.7	19.5
4 1	13 56.04	−20 29.8	2.484	3.421	6.8	19.4
4 11	13 48.31	−20 1.1	2.463	3.445	4.0	19.2
4 21	13 40.23	−19 23.0	2.471	3.468	2.4	19.1
5 1	13 32.55	−18 39.2	2.509	3.492	4.3	19.3
5 11	13 25.91	−17 54.3	2.575	3.515	7.0	19.5
5 21	13 20.80	−17 12.4	2.666	3.537	9.6	19.7

488900 2005 TD_{64} 4 17.6 208°.17 0°.6/17.1 17

3 12	14 11.26	−12 14.1	1.762	2.578	15.3	22.8
3 22	14 6.33	−11 37.1	1.672	2.572	11.8	22.6
4 1	13 58.88	−10 46.1	1.604	2.566	7.7	22.3
4 11	13 49.61	− 9 44.6	1.562	2.558	3.0	22.0
4 21	13 39.51	− 8 38.3	1.548	2.550	2.0	21.9
5 1	13 29.74	− 7 34.5	1.561	2.541	6.8	22.2
5 11	13 21.40	− 6 40.0	1.601	2.531	11.2	22.4
5 21	13 15.24	− 6 0.1	1.664	2.520	15.1	22.7

191947 2005 UZ_{100} 4 17.6 248°.01 1°.5/16.4 17

3 12	14 8.68	−11 11.4	1.530	2.362	16.4	20.6
3 22	14 4.76	−10 18.4	1.439	2.349	12.7	20.3
4 1	13 58.09	− 9 8.8	1.370	2.336	8.2	20.0
4 11	13 49.36	− 7 47.6	1.325	2.322	3.3	19.7
4 21	13 39.63	− 6 22.4	1.307	2.308	2.9	19.6
5 1	13 30.20	− 5 2.5	1.315	2.293	8.0	19.9
5 11	13 22.30	− 3 56.8	1.348	2.278	12.9	20.1
5 21	13 16.80	− 3 10.9	1.402	2.262	17.2	20.3

197546 2004 FE_{16} 4 17.6 325°.54 3°.3/19.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.21	−17 1.1	1.119	1.959	20.6	20.3
3 22	14 4.72	−17 30.8	1.037	1.946	16.5	20.0
4 1	13 58.68	−17 41.7	0.972	1.933	11.6	19.7
4 11	13 49.79	−17 32.9	0.928	1.920	6.2	19.3
4 21	13 39.37	−17 6.5	0.907	1.909	3.5	19.1
5 1	13 29.24	−16 28.8	0.908	1.898	8.2	19.4
5 11	13 21.14	−15 49.5	0.930	1.888	13.9	19.6
5 21	13 16.24	−15 17.6	0.971	1.879	19.0	19.9

216292 2007 EM_{195} 4 17.6 281°.89 0°.5/16.8 18

3 12	13 58.11	− 9 45.7	4.412	5.219	6.9	20.7
3 22	13 54.90	− 9 23.3	4.319	5.216	5.2	20.6
4 1	13 50.83	− 8 56.7	4.252	5.213	3.3	20.5
4 11	13 46.20	− 8 27.5	4.214	5.210	1.3	20.3
4 21	13 41.34	− 7 57.8	4.206	5.208	1.0	20.3
5 1	13 36.60	− 7 29.6	4.228	5.205	3.0	20.4
5 11	13 32.33	− 7 4.9	4.279	5.202	5.0	20.6
5 21	13 28.79	− 6 45.2	4.356	5.199	6.8	20.7

332401 2007 JC_{38} 4 17.6 257°.05 1°.0/16.6 17

3 12	14 6.28	−10 31.6	1.974	2.797	13.6	21.8
3 22	14 2.26	− 9 55.3	1.882	2.787	10.4	21.6
4 1	13 56.12	− 9 7.9	1.813	2.777	6.7	21.3
4 11	13 48.47	− 8 13.2	1.770	2.767	2.7	21.0
4 21	13 40.13	− 7 16.1	1.755	2.757	2.2	21.0
5 1	13 32.05	− 6 22.8	1.768	2.746	6.3	21.2
5 11	13 25.14	− 5 38.8	1.807	2.736	10.3	21.4
5 21	13 20.06	− 5 8.1	1.869	2.725	13.8	21.6

300885 2008 AJ_{136} 4 17.6 350°.59 0°.8/18.2 18

3 12	14 8.63	−13 4.2	2.303	3.106	12.6	20.3
3 22	14 3.73	−13 15.4	2.214	3.105	9.7	20.1
4 1	13 56.91	−13 18.2	2.149	3.105	6.5	19.9
4 11	13 48.75	−13 13.8	2.111	3.105	2.9	19.7
4 21	13 40.00	−13 4.4	2.101	3.105	1.3	19.6
5 1	13 31.50	−12 52.9	2.121	3.105	4.9	19.8
5 11	13 24.08	−12 43.0	2.168	3.104	8.4	20.0
5 21	13 18.31	−12 37.8	2.240	3.104	11.4	20.2

247515 2002 PL_{176} 4 17.6 218°.71 0°.2/17.7 17

3 12	14 8.18	−14 1.6	1.825	2.640	14.9	21.6
3 22	14 3.89	−13 30.0	1.736	2.635	11.6	21.4
4 1	13 57.26	−12 43.7	1.669	2.629	7.6	21.2
4 11	13 48.95	−11 45.9	1.627	2.623	3.1	20.9
4 21	13 39.89	−10 41.6	1.613	2.617	1.6	20.7
5 1	13 31.15	− 9 37.5	1.627	2.610	6.2	21.0
5 11	13 23.75	− 8 40.6	1.667	2.603	10.5	21.3
5 21	13 18.39	− 7 56.1	1.730	2.596	14.2	21.5

361668 2007 TQ_{424} 4 17.6 344°.69 0°.4/17.9 17

3 12	14 4.90	−15 25.8	1.354	2.190	18.0	20.5
3 22	14 2.07	−14 46.6	1.277	2.186	14.0	20.2
4 1	13 56.39	−13 46.5	1.219	2.183	9.2	19.9
4 11	13 48.67	−12 29.6	1.184	2.181	3.9	19.6
4 21	13 40.04	−11 3.2	1.175	2.178	1.8	19.5
5 1	13 31.88	− 9 37.5	1.190	2.177	7.3	19.8
5 11	13 25.43	− 8 22.4	1.230	2.175	12.4	20.1
5 21	13 21.49	− 7 25.3	1.289	2.174	16.9	20.3

105921 2000 SA_{210} 4 17.6 202°.66 3°.4/13.0 18

3 12	14 3.79	− 0 34.3	2.925	3.751	9.6	20.3
3 22	13 59.59	+ 0 25.2	2.841	3.747	7.3	20.2
4 1	13 54.02	+ 1 27.1	2.783	3.742	5.0	20.0
4 11	13 47.53	+ 2 27.1	2.753	3.737	3.4	19.9
4 21	13 40.66	+ 3 21.0	2.754	3.731	4.2	19.9
5 1	13 34.00	+ 4 4.9	2.783	3.725	6.4	20.1
5 11	13 28.11	+ 4 36.0	2.839	3.718	8.8	20.2
5 21	13 23.41	+ 4 53.0	2.918	3.711	11.0	20.4

276035 2002 AB_{140} 4 17.6 87°.40 12°.2/ 7.4 18

3 12	14 13.39	+21 51.4	1.790	2.599	15.4	19.9
3 22	14 7.65	+23 4.2	1.744	2.603	13.6	19.8
4 1	13 59.48	+23 59.4	1.719	2.606	12.4	19.7
4 11	13 49.75	+24 28.0	1.716	2.610	12.3	19.7
4 21	13 39.55	+24 24.4	1.737	2.614	13.2	19.8
5 1	13 30.02	+23 47.2	1.780	2.618	14.9	19.9
5 11	13 22.15	+22 38.9	1.842	2.622	16.8	20.0
5 21	13 16.53	+21 5.1	1.923	2.626	18.7	20.2

368932 2006 VN_{53} 4 17.6 290°.09 4°.1/20.8 17

3 12	14 7.01	−22 30.8	1.629	2.423	17.3	21.1
3 22	14 3.54	−22 36.0	1.533	2.411	14.1	20.8
4 1	13 57.35	−22 20.0	1.457	2.398	10.3	20.6
4 11	13 49.09	−21 42.1	1.404	2.385	6.4	20.3
4 21	13 39.80	−20 44.6	1.376	2.373	4.1	20.1
5 1	13 30.76	−19 33.6	1.374	2.360	6.6	20.3
5 11	13 23.22	−18 18.0	1.398	2.348	10.8	20.5
5 21	13 18.06	−17 6.8	1.443	2.336	14.9	20.7

110190 2001 SJ_{179} 4 17.6 45°.73 8°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.64	+ 7 28.4	1.394	2.241	16.9	18.8
3 22	14 7.30	+ 8 10.8	1.353	2.263	13.3	18.6
4 1	13 59.30	+ 8 45.3	1.334	2.286	10.0	18.5
4 11	13 49.66	+ 9 4.0	1.339	2.310	8.1	18.4
4 21	13 39.63	+ 9 1.2	1.368	2.333	9.0	18.5
5 1	13 30.49	+ 8 34.5	1.422	2.357	11.7	18.7
5 11	13 23.27	+ 7 45.0	1.498	2.382	14.8	19.0
5 21	13 18.53	+ 6 36.6	1.593	2.407	17.7	19.2

180370 2003 YB_{120} 4 17.6 5°.86 3°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.67	−19 52.7	1.462	2.272	18.2	20.0
3 22	14 4.92	−20 14.3	1.383	2.272	14.6	19.8
4 1	13 58.24	−20 16.9	1.324	2.272	10.4	19.6
4 11	13 49.43	−20 0.2	1.287	2.273	6.1	19.3
4 21	13 39.65	−19 26.5	1.275	2.274	3.8	19.2
5 1	13 30.29	−18 41.5	1.289	2.275	6.8	19.3
5 11	13 22.66	−17 53.4	1.326	2.277	11.2	19.6
5 21	13 17.60	−17 10.0	1.385	2.279	15.3	19.8

369535 2010 XS_{72} 4 17.6 46°.78 4°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.22	−25 24.4	1.531	2.321	18.4	19.9
3 22	14 2.00	−24 58.8	1.459	2.332	15.0	19.7
4 1	13 56.15	−24 6.0	1.406	2.343	11.0	19.5
4 11	13 48.50	−22 47.6	1.376	2.355	6.8	19.3
4 21	13 40.19	−21 8.9	1.371	2.367	4.2	19.1
5 1	13 32.47	−19 19.2	1.392	2.380	6.4	19.3
5 11	13 26.44	−17 29.7	1.439	2.392	10.3	19.5
5 21	13 22.76	−15 50.5	1.509	2.405	14.2	19.8

441915 2010 GT_{94} 4 17.6 297°.40 5°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.92	+ 6 35.4	2.283	3.113	11.8	20.5
3 22	14 3.06	+ 7 14.0	2.210	3.112	9.3	20.3
4 1	13 56.39	+ 7 49.0	2.162	3.110	7.0	20.2
4 11	13 48.52	+ 8 15.1	2.140	3.108	5.8	20.1
4 21	13 40.17	+ 8 28.0	2.146	3.107	6.6	20.1
5 1	13 32.17	+ 8 24.5	2.179	3.105	8.8	20.2
5 11	13 25.25	+ 8 3.7	2.237	3.104	11.3	20.4
5 21	13 19.94	+ 7 26.2	2.317	3.102	13.7	20.6

234518 2001 UN_{24} 4 17.6 208°.76 3°.9/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.61	−25 57.0	2.479	3.231	13.2	20.2
3 22	14 1.46	−25 53.0	2.381	3.228	10.9	20.0
4 1	13 55.46	−25 32.0	2.305	3.225	8.2	19.8
4 11	13 48.18	−24 54.0	2.255	3.222	5.5	19.7
4 21	13 40.34	−24 0.8	2.231	3.219	3.9	19.5
5 1	13 32.75	−22 56.6	2.237	3.216	5.1	19.6
5 11	13 26.20	−21 47.0	2.270	3.212	7.7	19.8
5 21	13 21.26	−20 38.1	2.328	3.209	10.5	19.9

351474 2005 PW_{23} 4 17.6 254°.04 0°.1/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.57	−12 51.3	2.597	3.401	11.3	22.1
3 22	14 1.27	−12 32.4	2.492	3.385	8.7	21.9
4 1	13 55.29	−12 4.2	2.412	3.370	5.7	21.7
4 11	13 48.12	−11 28.8	2.358	3.354	2.4	21.5
4 21	13 40.37	−10 49.3	2.334	3.338	1.2	21.3
5 1	13 32.77	−10 9.4	2.340	3.321	4.7	21.6
5 11	13 26.03	− 9 33.4	2.373	3.304	8.0	21.7
5 21	13 20.71	− 9 4.8	2.431	3.287	11.0	21.9

19007 Nirajnathan 4 17.6 283°.81 2°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.55	−15 55.2	1.473	2.292	17.6	18.5
3 22	14 6.59	−16 9.6	1.376	2.273	14.0	18.2
4 1	13 59.54	−16 8.7	1.298	2.255	9.7	17.9
4 11	13 50.08	−15 52.7	1.244	2.237	4.8	17.5
4 21	13 39.29	−15 24.0	1.215	2.218	2.4	17.3
5 1	13 28.62	−14 47.8	1.212	2.199	7.1	17.6
5 11	13 19.55	−14 11.9	1.233	2.181	12.3	17.8
5 21	13 13.12	−13 43.1	1.276	2.162	16.9	18.0

378860 2008 TD_{83} 4 17.6 158°.79 1°.4/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.08	−16 59.4	2.146	2.943	13.6	21.7
3 22	14 2.67	−16 42.8	2.060	2.946	10.6	21.5
4 1	13 56.28	−16 12.4	1.997	2.949	7.2	21.3
4 11	13 48.51	−15 30.3	1.960	2.952	3.5	21.0
4 21	13 40.18	−14 40.0	1.951	2.954	1.6	20.9
5 1	13 32.18	−13 46.4	1.971	2.956	5.0	21.1
5 11	13 25.34	−12 55.3	2.018	2.958	8.7	21.4
5 21	13 20.25	−12 11.5	2.089	2.960	11.9	21.6

57074 2001 OO_{13} 4 17.6 192°.73 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.84	− 5 24.2	2.411	3.229	11.6	20.2
3 22	14 3.73	− 4 41.1	2.324	3.227	8.8	20.0
4 1	13 56.83	− 3 52.4	2.261	3.224	5.7	19.8
4 11	13 48.71	− 3 1.9	2.227	3.220	2.8	19.6
4 21	13 40.08	− 2 14.4	2.222	3.216	3.2	19.6
5 1	13 31.72	− 1 34.4	2.247	3.211	6.3	19.8
5 11	13 24.38	− 1 5.4	2.299	3.205	9.4	20.0
5 21	13 18.60	− 0 49.8	2.375	3.198	12.3	20.1

126564 2002 CK_{106} 4 17.6 79°.28 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.87	− 7 39.1	1.851	2.683	14.0	19.9
3 22	14 2.71	− 7 2.4	1.774	2.684	10.7	19.7
4 1	13 56.39	− 6 17.1	1.719	2.686	6.8	19.4
4 11	13 48.58	− 5 27.9	1.691	2.687	3.0	19.2
4 21	13 40.15	− 4 40.2	1.690	2.688	3.0	19.2
5 1	13 32.12	− 3 59.8	1.716	2.690	6.9	19.4
5 11	13 25.37	− 3 31.4	1.768	2.691	10.8	19.7
5 21	13 20.54	− 3 17.8	1.842	2.693	14.1	19.9

392450 2010 VX_{35} 4 17.6 262°.57 1°.3/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.04	− 9 32.7	2.498	3.318	11.2	21.3
3 22	13 59.34	− 8 45.6	2.404	3.308	8.5	21.1
4 1	13 54.02	− 7 49.7	2.334	3.299	5.4	20.9
4 11	13 47.59	− 6 48.6	2.293	3.289	2.2	20.6
4 21	13 40.66	− 5 46.8	2.280	3.279	2.2	20.6
5 1	13 33.95	− 4 49.3	2.296	3.269	5.4	20.8
5 11	13 28.12	− 4 0.5	2.339	3.259	8.6	21.0
5 21	13 23.68	− 3 23.7	2.406	3.249	11.5	21.2

501408 2013 YL_{109} 4 17.6 197°.01 6°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.41	+ 7 0.2	2.410	3.240	11.2	21.0
3 22	14 1.85	+ 8 8.6	2.338	3.238	8.9	20.8
4 1	13 55.59	+ 9 14.4	2.291	3.235	6.9	20.7
4 11	13 48.20	+10 11.6	2.272	3.232	6.1	20.6
4 21	13 40.36	+10 54.9	2.280	3.229	7.0	20.7
5 1	13 32.82	+11 20.4	2.315	3.225	9.1	20.8
5 11	13 26.28	+11 26.4	2.375	3.221	11.4	20.9
5 21	13 21.24	+11 13.2	2.456	3.216	13.6	21.1

134634 1999 UH_{12} 4 17.6 307°.76 1°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.80	− 9 49.6	1.380	2.226	17.1	20.1
3 22	14 2.89	− 9 16.8	1.289	2.207	13.2	19.8
4 1	13 57.08	− 8 29.5	1.219	2.188	8.6	19.5
4 11	13 49.04	− 7 32.3	1.172	2.169	3.5	19.2
4 21	13 39.86	− 6 32.1	1.150	2.151	3.1	19.1
5 1	13 30.90	− 5 37.5	1.153	2.134	8.4	19.3
5 11	13 23.53	− 4 56.6	1.178	2.116	13.6	19.6
5 21	13 18.68	− 4 34.6	1.224	2.100	18.2	19.8

395378 2011 SN_{43} 4 17.6 125°.62 1°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.17	−16 15.6	2.705	3.494	11.3	22.6
3 22	14 1.52	−16 6.3	2.623	3.505	8.8	22.4
4 1	13 55.32	−15 46.8	2.565	3.515	5.9	22.2
4 11	13 48.08	−15 18.8	2.534	3.525	2.8	22.1
4 21	13 40.44	−14 44.9	2.533	3.535	1.3	21.9
5 1	13 33.09	−14 8.4	2.561	3.545	4.1	22.2
5 11	13 26.67	−13 33.4	2.617	3.554	7.1	22.4
5 21	13 21.64	−13 3.1	2.699	3.563	9.7	22.6

392672 2011 UA_{322} 4 17.6 233°.31 5°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.45	+ 7 21.8	2.737	3.560	10.2	21.0
3 22	14 2.48	+ 8 3.2	2.654	3.550	8.2	20.8
4 1	13 55.94	+ 8 41.3	2.596	3.539	6.2	20.7
4 11	13 48.35	+ 9 11.7	2.566	3.528	5.3	20.6
4 21	13 40.30	+ 9 30.4	2.564	3.517	6.1	20.6
5 1	13 32.49	+ 9 34.4	2.590	3.506	8.0	20.8
5 11	13 25.55	+ 9 22.5	2.642	3.494	10.2	20.9
5 21	13 19.96	+ 8 55.1	2.716	3.482	12.3	21.0

142069 2002 QH_{36} 4 17.6 227°.85 4°.5/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.03	−24 15.8	2.181	2.936	14.7	21.2
3 22	14 7.58	−24 41.3	2.073	2.923	12.1	20.9
4 1	13 59.72	−24 50.8	1.986	2.909	9.1	20.7
4 11	13 50.03	−24 42.6	1.925	2.895	6.2	20.5
4 21	13 39.38	−24 17.2	1.891	2.879	4.5	20.4
5 1	13 28.87	−23 37.4	1.886	2.864	6.1	20.4
5 11	13 19.55	−22 49.1	1.909	2.847	9.2	20.6
5 21	13 12.23	−21 58.7	1.956	2.829	12.5	20.8

300961 2008 DQ_{33} 4 17.6 53°.40 0°.5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.42	−12 51.4	2.306	3.112	12.5	20.3
3 22	14 2.78	−12 54.0	2.221	3.114	9.6	20.1
4 1	13 56.29	−12 47.8	2.159	3.117	6.3	19.9
4 11	13 48.53	−12 34.4	2.124	3.119	2.7	19.7
4 21	13 40.21	−12 16.6	2.118	3.122	1.2	19.6
5 1	13 32.18	−11 57.6	2.141	3.124	4.9	19.8
5 11	13 25.21	−11 41.3	2.191	3.127	8.3	20.1
5 21	13 19.86	−11 30.7	2.265	3.129	11.3	20.3

6638 1989 CA 4 17.6 115°.93 0°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.96	−13 57.7	1.800	2.612	15.2	17.9
3 22	14 5.06	−13 27.6	1.729	2.627	11.7	17.7
4 1	13 57.87	−12 43.7	1.681	2.641	7.6	17.5
4 11	13 49.16	−11 49.6	1.659	2.655	3.1	17.2
4 21	13 39.91	−10 50.3	1.665	2.668	1.5	17.1
5 1	13 31.18	− 9 52.5	1.698	2.681	6.0	17.5
5 11	13 23.92	− 9 2.3	1.758	2.693	10.0	17.7
5 21	13 18.73	− 8 24.3	1.841	2.705	13.6	18.0

297676 2001 UT_{131} 4 17.6 159°.70 1°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.36	− 9 11.9	1.672	2.496	15.6	21.4
3 22	14 7.15	− 8 47.9	1.596	2.502	11.9	21.1
4 1	13 59.38	− 8 13.7	1.542	2.506	7.7	20.9
4 11	13 49.83	− 7 33.5	1.514	2.510	3.1	20.6
4 21	13 39.55	− 6 52.5	1.513	2.514	2.5	20.6
5 1	13 29.75	− 6 16.7	1.539	2.517	7.1	20.9
5 11	13 21.51	− 5 51.4	1.591	2.519	11.4	21.1
5 21	13 15.54	− 5 39.9	1.665	2.521	15.1	21.4

400455 2008 FD_{25} 4 17.6 195°.15 1°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.42	− 8 8.9	2.553	3.376	10.9	20.9
3 22	13 58.77	− 7 4.3	2.468	3.375	8.2	20.7
4 1	13 53.59	− 5 51.6	2.409	3.374	5.2	20.5
4 11	13 47.41	− 4 35.2	2.378	3.374	2.4	20.3
4 21	13 40.81	− 3 20.2	2.377	3.373	2.8	20.3
5 1	13 34.48	− 2 11.9	2.405	3.372	5.7	20.5
5 11	13 29.02	− 1 14.7	2.460	3.371	8.7	20.7
5 21	13 24.90	− 0 31.5	2.539	3.370	11.4	20.9

11089 1994 CS_{8} 4 17.6 61°.08 1°.7/14.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.32	− 3 21.6	4.311	5.132	6.8	17.9
3 22	13 55.07	− 2 51.8	4.228	5.133	5.1	17.8
4 1	13 50.95	− 2 20.1	4.172	5.135	3.3	17.7
4 11	13 46.29	− 1 48.7	4.145	5.136	1.8	17.6
4 21	13 41.41	− 1 19.8	4.148	5.137	2.2	17.6
5 1	13 36.66	− 0 55.4	4.180	5.139	3.8	17.7
5 11	13 32.40	− 0 37.3	4.241	5.140	5.6	17.8
5 21	13 28.88	− 0 26.6	4.326	5.142	7.3	18.0

4708 Polydoros 4 17.6 186°.19 1°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.48	−20 22.9	4.803	5.565	7.1	17.6
3 22	13 55.17	−20 14.1	4.704	5.564	5.6	17.4
4 1	13 51.02	−19 58.1	4.629	5.564	4.0	17.3
4 11	13 46.32	−19 35.7	4.583	5.564	2.3	17.2
4 21	13 41.40	−19 8.3	4.566	5.563	1.5	17.1
5 1	13 36.59	−18 37.6	4.580	5.563	2.5	17.2
5 11	13 32.23	−18 5.8	4.623	5.562	4.2	17.3
5 21	13 28.59	−17 35.0	4.693	5.561	5.8	17.4

374163 2004 VY_{19} 4 17.6 103°.13 2°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.46	− 5 38.8	2.064	2.886	13.1	21.1
3 22	14 5.08	− 5 17.9	1.997	2.902	9.9	21.0
4 1	13 57.72	− 4 51.9	1.955	2.918	6.3	20.8
4 11	13 49.08	− 4 24.9	1.939	2.934	2.9	20.6
4 21	13 40.00	− 4 0.8	1.952	2.949	3.0	20.6
5 1	13 31.38	− 3 43.6	1.994	2.964	6.4	20.8
5 11	13 24.04	− 3 36.3	2.062	2.979	9.8	21.1
5 21	13 18.52	− 3 40.6	2.153	2.994	12.8	21.3

348957 2006 US_{9} 4 17.6 128°.04 2°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.22	− 4 4.1	2.540	3.365	10.9	21.3
3 22	14 0.83	− 3 24.6	2.466	3.372	8.2	21.2
4 1	13 54.89	− 2 41.3	2.416	3.380	5.3	21.0
4 11	13 47.93	− 1 58.1	2.395	3.387	2.8	20.8
4 21	13 40.58	− 1 19.0	2.402	3.394	3.3	20.9
5 1	13 33.55	− 0 47.9	2.439	3.401	6.0	21.1
5 11	13 27.45	− 0 27.6	2.502	3.407	8.8	21.3
5 21	13 22.74	− 0 19.6	2.589	3.414	11.3	21.4

282497 2004 PC_{43} 4 17.6 294°.39 2°.4/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.94	−21 13.9	2.343	3.124	13.0	21.1
3 22	14 0.42	−20 49.3	2.222	3.095	10.5	20.9
4 1	13 54.98	−20 7.6	2.124	3.066	7.5	20.6
4 11	13 48.10	−19 9.6	2.052	3.037	4.3	20.4
4 21	13 40.48	−17 58.1	2.008	3.008	2.4	20.2
5 1	13 32.95	−16 38.2	1.992	2.978	4.9	20.3
5 11	13 26.37	−15 16.5	2.005	2.949	8.5	20.4
5 21	13 21.38	−13 59.4	2.042	2.919	11.9	20.6

468649 2008 UV_{41} 4 17.6 166°.45 1°.3/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.61	−18 9.1	2.625	3.407	11.8	22.2
3 22	14 1.95	−17 40.0	2.535	3.412	9.2	22.0
4 1	13 55.66	−16 58.1	2.469	3.417	6.3	21.8
4 11	13 48.27	−16 5.4	2.431	3.421	3.1	21.6
4 21	13 40.44	−15 5.3	2.422	3.424	1.4	21.5
5 1	13 32.90	−14 2.2	2.443	3.427	4.3	21.7
5 11	13 26.33	−13 1.2	2.492	3.429	7.4	21.9
5 21	13 21.21	−12 6.7	2.568	3.431	10.2	22.1

466761 2015 AE_{141} 4 17.6 278°.46 1°.6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.25	−16 13.1	1.763	2.573	15.5	21.5
3 22	14 4.18	−16 11.9	1.670	2.563	12.3	21.3
4 1	13 57.62	−15 55.9	1.597	2.552	8.3	21.0
4 11	13 49.21	−15 26.5	1.550	2.542	4.1	20.7
4 21	13 39.91	−14 46.9	1.528	2.531	1.9	20.6
5 1	13 30.85	−14 2.3	1.535	2.521	6.0	20.8
5 11	13 23.15	−13 19.4	1.566	2.510	10.4	21.0
5 21	13 17.60	−12 44.0	1.621	2.500	14.3	21.2

389189 2009 BR_{181} 4 17.6 287°.88 2°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.31	−18 46.8	2.272	3.055	13.3	20.7
3 22	14 4.45	−19 13.8	2.176	3.050	10.7	20.5
4 1	13 57.53	−19 29.3	2.104	3.045	7.6	20.3
4 11	13 49.12	−19 32.9	2.057	3.041	4.4	20.1
4 21	13 39.99	−19 25.9	2.038	3.036	2.8	20.0
5 1	13 31.06	−19 10.9	2.048	3.031	5.1	20.1
5 11	13 23.22	−18 52.1	2.086	3.027	8.4	20.3
5 21	13 17.13	−18 34.0	2.148	3.022	11.5	20.5

51321 2000 LL_{1} 4 17.6 347°.23 9°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.04	+11 39.2	1.583	2.424	15.5	18.3
3 22	14 5.45	+12 47.8	1.522	2.422	12.8	18.1
4 1	13 58.31	+13 47.4	1.484	2.420	10.5	17.9
4 11	13 49.42	+14 28.7	1.469	2.419	9.7	17.9
4 21	13 39.88	+14 44.5	1.478	2.418	10.8	17.9
5 1	13 30.88	+14 30.9	1.511	2.417	13.3	18.1
5 11	13 23.49	+13 48.3	1.565	2.416	16.1	18.3
5 21	13 18.38	+12 40.3	1.637	2.415	18.7	18.4

228535 2001 VL_{55} 4 17.6 94°.06 2°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.61	−21 0.2	3.281	4.047	10.0	20.7
3 22	13 58.61	−20 47.4	3.199	4.062	7.9	20.5
4 1	13 53.37	−20 23.8	3.140	4.076	5.6	20.4
4 11	13 47.32	−19 50.6	3.109	4.090	3.3	20.2
4 21	13 40.96	−19 9.9	3.107	4.105	2.0	20.2
5 1	13 34.86	−18 24.7	3.135	4.119	3.5	20.3
5 11	13 29.50	−17 38.6	3.192	4.132	5.8	20.5
5 21	13 25.26	−16 55.0	3.275	4.146	8.0	20.6

500499 2012 TP_{273} 4 17.6 100°.47 0°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.97	−11 15.8	2.496	3.303	11.6	22.6
3 22	14 2.15	−10 51.8	2.427	3.323	8.8	22.4
4 1	13 55.73	−10 19.7	2.382	3.342	5.6	22.3
4 11	13 48.28	− 9 42.5	2.365	3.361	2.2	22.1
4 21	13 40.49	− 9 3.6	2.377	3.380	1.4	22.0
5 1	13 33.07	− 8 26.9	2.419	3.398	4.7	22.3
5 11	13 26.67	− 7 56.1	2.489	3.417	7.9	22.5
5 21	13 21.76	− 7 34.0	2.583	3.434	10.6	22.7

213317 2001 ST_{32} 4 17.6 226°.40 1°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.48	−15 59.2	2.465	3.255	12.2	20.9
3 22	14 3.60	−16 6.5	2.367	3.249	9.6	20.7
4 1	13 56.88	−16 3.5	2.293	3.242	6.5	20.5
4 11	13 48.83	−15 51.4	2.245	3.236	3.2	20.2
4 21	13 40.16	−15 31.9	2.227	3.229	1.6	20.1
5 1	13 31.69	−15 8.4	2.237	3.221	4.6	20.3
5 11	13 24.20	−14 44.7	2.276	3.214	7.9	20.5
5 21	13 18.28	−14 24.6	2.340	3.206	11.0	20.7

458209 2010 RA_{69} 4 17.6 294°.85 4°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.24	−22 19.0	1.503	2.304	18.2	20.8
3 22	14 3.98	−22 27.2	1.409	2.291	14.9	20.6
4 1	13 57.81	−22 13.1	1.334	2.277	10.9	20.3
4 11	13 49.40	−21 35.8	1.282	2.264	6.7	20.0
4 21	13 39.84	−20 37.6	1.254	2.251	4.3	19.8
5 1	13 30.54	−19 24.8	1.252	2.239	7.0	20.0
5 11	13 22.85	−18 7.3	1.274	2.226	11.5	20.2
5 21	13 17.71	−16 54.7	1.318	2.214	15.8	20.4

380467 2003 UG_{322} 4 17.6 137°.80 0°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.28	−12 39.6	2.026	2.840	13.6	21.7
3 22	14 2.94	−12 23.9	1.942	2.841	10.5	21.5
4 1	13 56.54	−11 57.3	1.882	2.842	6.9	21.3
4 11	13 48.70	−11 22.5	1.848	2.843	2.8	21.0
4 21	13 40.26	−10 43.3	1.841	2.845	1.4	20.9
5 1	13 32.15	−10 4.6	1.863	2.846	5.5	21.2
5 11	13 25.24	− 9 31.4	1.911	2.847	9.3	21.4
5 21	13 20.14	− 9 7.6	1.983	2.848	12.7	21.6

201636 2003 SJ_{297} 4 17.6 259°.39 0°.9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.72	−11 13.3	2.042	2.862	13.3	20.4
3 22	14 1.81	−10 33.6	1.948	2.851	10.2	20.2
4 1	13 55.86	− 9 42.3	1.877	2.841	6.6	19.9
4 11	13 48.45	− 8 43.0	1.833	2.830	2.6	19.7
4 21	13 40.38	− 7 40.8	1.817	2.818	2.0	19.6
5 1	13 32.55	− 6 41.7	1.828	2.807	6.1	19.8
5 11	13 25.83	− 5 51.5	1.867	2.795	10.0	20.0
5 21	13 20.88	− 5 14.3	1.928	2.784	13.4	20.2

278851 2008 TV_{8} 4 17.6 126°.26 3°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.86	− 1 59.0	2.003	2.839	12.9	20.4
3 22	14 2.49	− 1 4.0	1.932	2.844	9.8	20.2
4 1	13 56.16	− 0 5.1	1.886	2.849	6.6	20.0
4 11	13 48.52	+ 0 51.7	1.866	2.854	4.1	19.9
4 21	13 40.38	+ 1 40.7	1.874	2.859	4.9	20.0
5 1	13 32.63	+ 2 16.7	1.909	2.864	7.9	20.1
5 11	13 26.08	+ 2 36.3	1.969	2.868	11.1	20.4
5 21	13 21.30	+ 2 38.6	2.052	2.873	14.0	20.6

349409 2007 YS_{41} 4 17.6 136°.65 5°.2/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.50	+ 5 20.9	2.581	3.411	10.6	21.3
3 22	14 1.00	+ 6 21.1	2.517	3.419	8.3	21.1
4 1	13 55.00	+ 7 19.1	2.479	3.427	6.2	21.0
4 11	13 48.01	+ 8 10.0	2.468	3.435	5.2	21.0
4 21	13 40.67	+ 8 49.1	2.485	3.442	6.0	21.0
5 1	13 33.66	+ 9 13.1	2.530	3.449	8.0	21.2
5 11	13 27.58	+ 9 20.4	2.600	3.456	10.3	21.3
5 21	13 22.89	+ 9 11.0	2.692	3.463	12.3	21.5

156995 2003 NM 4 17.6 300°.99 4°.1/21.4 18

3 12	14 4.43	−24 34.4	1.779	2.562	16.5	19.6
3 22	14 1.40	−24 20.5	1.676	2.545	13.5	19.3
4 1	13 55.91	−23 43.1	1.593	2.528	10.0	19.1
4 11	13 48.58	−22 42.1	1.533	2.511	6.3	18.8
4 21	13 40.33	−21 20.4	1.499	2.495	4.1	18.6
5 1	13 32.31	−19 44.5	1.492	2.478	6.2	18.7
5 11	13 25.63	−18 4.0	1.511	2.462	10.1	18.9
5 21	13 21.09	−16 28.4	1.553	2.446	14.0	19.1

271694 2004 RW_{134} 4 17.6 140°.64 0°.5/17.2 17

3 12	14 8.07	−11 19.3	1.907	2.726	14.2	21.4
3 22	14 3.64	−10 57.7	1.826	2.729	10.9	21.2
4 1	13 57.04	−10 25.3	1.769	2.731	7.0	20.9
4 11	13 48.93	− 9 45.5	1.737	2.734	2.8	20.7
4 21	13 40.20	− 9 2.8	1.733	2.736	1.7	20.6
5 1	13 31.83	− 8 22.4	1.757	2.738	6.0	20.9
5 11	13 24.75	− 7 49.6	1.807	2.740	10.0	21.1
5 21	13 19.60	− 7 28.1	1.880	2.742	13.4	21.3

362788 2011 WM_{132} 4 17.6 286°.38 1°.7/18.9 16

3 12	14 6.51	−17 53.6	1.428	2.249	17.9	21.1
3 22	14 3.48	−17 28.0	1.333	2.233	14.3	20.8
4 1	13 57.52	−16 39.9	1.258	2.216	9.8	20.5
4 11	13 49.31	−15 30.9	1.207	2.200	4.7	20.1
4 21	13 39.95	−14 6.4	1.180	2.183	2.1	19.9
5 1	13 30.83	−12 35.5	1.179	2.167	7.1	20.2
5 11	13 23.33	−11 9.2	1.201	2.150	12.4	20.4
5 21	13 18.38	− 9 56.8	1.245	2.134	17.1	20.6

113195 2002 RE_{108} 4 17.6 220°.35 2°.1/15.2 18

3 12	14 7.89	− 4 3.6	2.992	3.804	9.7	20.2
3 22	14 2.76	− 3 36.1	2.893	3.793	7.4	20.0
4 1	13 56.15	− 3 5.0	2.819	3.780	4.8	19.8
4 11	13 48.52	− 2 33.6	2.774	3.767	2.5	19.7
4 21	13 40.42	− 2 4.8	2.760	3.753	2.8	19.7
5 1	13 32.47	− 1 41.9	2.776	3.738	5.3	19.8
5 11	13 25.30	− 1 27.5	2.820	3.723	8.0	20.0
5 21	13 19.37	− 1 23.2	2.890	3.707	10.5	20.1

36500 2000 QZ_{55} 4 17.6 279°.95 3°.0/15.4 17

3 12	14 7.98	− 7 3.4	1.486	2.330	16.2	19.3
3 22	14 4.38	− 6 14.4	1.395	2.311	12.5	19.0
4 1	13 57.99	− 5 13.1	1.325	2.293	8.1	18.7
4 11	13 49.47	− 4 5.5	1.279	2.275	3.8	18.4
4 21	13 39.88	− 2 59.4	1.259	2.256	4.3	18.3
5 1	13 30.52	− 2 3.3	1.265	2.237	9.0	18.6
5 11	13 22.66	− 1 24.6	1.294	2.218	13.8	18.8
5 21	13 17.21	− 1 7.1	1.343	2.200	18.0	19.0

227924 2007 FW_{43} 4 17.6 314°.39 7°.8/11.7 18

3 12	14 10.22	+ 8 27.7	1.749	2.587	14.4	19.8
3 22	14 5.42	+ 9 19.1	1.679	2.583	11.6	19.6
4 1	13 58.24	+10 4.8	1.633	2.578	9.0	19.4
4 11	13 49.43	+10 37.2	1.611	2.574	7.8	19.3
4 21	13 39.97	+10 50.1	1.615	2.570	8.8	19.4
5 1	13 30.95	+10 39.6	1.644	2.566	11.3	19.5
5 11	13 23.37	+10 5.0	1.696	2.562	14.3	19.7
5 21	13 17.89	+ 9 8.7	1.768	2.559	17.1	19.9

505860 2015 DB_{34} 4 17.6 32°.59 1°.1/18.5 17

3 12	14 8.10	−14 46.7	1.881	2.691	14.7	21.6
3 22	14 3.78	−14 45.0	1.798	2.693	11.4	21.4
4 1	13 57.19	−14 30.8	1.737	2.694	7.6	21.2
4 11	13 49.02	−14 5.8	1.702	2.696	3.5	20.9
4 21	13 40.16	−13 33.5	1.694	2.697	1.6	20.8
5 1	13 31.65	−12 58.6	1.713	2.699	5.6	21.1
5 11	13 24.45	−12 26.5	1.759	2.701	9.6	21.3
5 21	13 19.23	−12 1.9	1.828	2.702	13.2	21.5

377434 2004 TM_{220} 4 17.6 249°.08 5°.8/12.4 18

3 12	14 10.14	+ 4 48.0	2.132	2.961	12.5	21.0
3 22	14 5.07	+ 5 36.0	2.043	2.946	9.9	20.8
4 1	13 57.93	+ 6 22.8	1.979	2.930	7.3	20.6
4 11	13 49.31	+ 7 2.3	1.942	2.914	5.8	20.5
4 21	13 40.01	+ 7 29.0	1.932	2.898	6.7	20.5
5 1	13 30.95	+ 7 38.5	1.949	2.881	9.3	20.7
5 11	13 23.01	+ 7 28.8	1.992	2.863	12.3	20.8
5 21	13 16.84	+ 7 0.0	2.055	2.846	15.0	21.0

64284 2001 UE_6 4 17.6 202°.79 6°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.08	−30 25.8	2.344	3.063	14.7	19.3
3 22	14 6.77	−30 57.9	2.242	3.059	12.5	19.1
4 1	13 59.15	−31 11.4	2.161	3.054	10.1	18.9
4 11	13 49.85	−31 4.2	2.104	3.048	7.7	18.8
4 21	13 39.72	−30 36.0	2.074	3.042	6.2	18.7
5 1	13 29.80	−29 49.3	2.072	3.035	6.8	18.7
5 11	13 21.10	−28 50.0	2.096	3.027	8.9	18.8
5 21	13 14.34	−27 44.8	2.145	3.019	11.5	19.0

283424 2000 SN_{317} 4 17.6 253°.63 6°.1/30.2 18

3 12	14 4.72	−46 20.9	4.845	5.406	9.2	20.5
3 22	14 0.29	−46 57.0	4.736	5.399	8.4	20.4
4 1	13 54.55	−47 19.9	4.645	5.393	7.6	20.3
4 11	13 47.87	−47 28.1	4.576	5.386	6.8	20.3
4 21	13 40.75	−47 21.2	4.531	5.379	6.3	20.2
5 1	13 33.72	−46 59.6	4.510	5.373	6.1	20.2
5 11	13 27.33	−46 25.3	4.514	5.366	6.3	20.2
5 21	13 21.99	−45 41.4	4.543	5.359	7.0	20.2

333874 1997 SH_{23} 4 17.6 47°.89 0°.5/18.1 18

3 12	14 6.52	−15 20.4	1.448	2.277	17.4	20.2
3 22	14 2.92	−14 46.5	1.389	2.294	13.4	20.0
4 1	13 56.72	−13 54.8	1.349	2.312	8.8	19.8
4 11	13 48.81	−12 49.7	1.334	2.330	3.7	19.5
4 21	13 40.33	−11 38.1	1.344	2.348	1.6	19.4
5 1	13 32.49	−10 28.3	1.381	2.367	6.6	19.8
5 11	13 26.35	− 9 28.2	1.442	2.386	11.1	20.1
5 21	13 22.52	− 8 43.3	1.524	2.405	14.9	20.4

499071 2009 EU_7 4 17.6 136°.92 1°.3/18.8 18

3 12	14 8.63	−15 34.1	2.442	3.233	12.3	21.3
3 22	14 3.63	−15 37.4	2.357	3.240	9.6	21.1
4 1	13 56.84	−15 30.7	2.296	3.247	6.4	21.0
4 11	13 48.82	−15 15.0	2.262	3.253	3.1	20.7
4 21	13 40.30	−14 52.7	2.257	3.259	1.5	20.6
5 1	13 32.06	−14 27.3	2.281	3.265	4.5	20.9
5 11	13 24.87	−14 2.6	2.333	3.271	7.8	21.1
5 21	13 19.25	−13 42.2	2.411	3.276	10.7	21.3

159411 1999 RG_{126} 4 17.6 177°.72 1°.2/16.2 18

3 12	14 6.75	− 9 18.9	2.761	3.569	10.6	21.2
3 22	14 1.94	− 8 33.1	2.673	3.571	8.0	21.1
4 1	13 55.63	− 7 39.7	2.611	3.573	5.1	20.9
4 11	13 48.30	− 6 42.1	2.578	3.574	2.1	20.7
4 21	13 40.57	− 5 44.4	2.575	3.574	2.0	20.7
5 1	13 33.10	− 4 50.9	2.602	3.574	5.0	20.9
5 11	13 26.50	− 4 5.4	2.658	3.573	8.0	21.0
5 21	13 21.24	− 3 30.7	2.739	3.571	10.6	21.2

437279 2013 AB_6 4 17.6 225°.96 2°.7/20.6 17

3 12	14 5.24	−21 55.4	2.416	3.190	12.9	21.3
3 22	14 1.21	−21 41.1	2.319	3.186	10.4	21.1
4 1	13 55.37	−21 11.3	2.244	3.181	7.4	20.9
4 11	13 48.25	−20 26.8	2.195	3.176	4.4	20.7
4 21	13 40.58	−19 30.3	2.174	3.171	2.7	20.6
5 1	13 33.15	−18 26.4	2.182	3.166	4.7	20.7
5 11	13 26.74	−17 20.7	2.217	3.161	7.8	20.9
5 21	13 21.89	−16 18.9	2.278	3.156	10.8	21.1

333638 2008 QL_{11} 4 17.6 288°.63 7°.2/23.4 17

3 12	14 8.27	−30 5.2	1.868	2.614	17.1	20.6
3 22	14 4.55	−30 41.2	1.760	2.595	14.7	20.4
4 1	13 58.11	−30 55.4	1.672	2.575	11.8	20.2
4 11	13 49.56	−30 44.6	1.605	2.555	9.0	20.0
4 21	13 39.85	−30 7.6	1.562	2.535	7.3	19.8
5 1	13 30.25	−29 7.3	1.546	2.515	8.0	19.8
5 11	13 22.01	−27 51.0	1.554	2.495	10.7	19.9
5 21	13 16.08	−26 28.0	1.585	2.476	14.0	20.1

207328 2005 GW_{145} 4 17.6 87°.34 0°.5/18.1 17

3 12	14 6.22	−14 15.2	2.099	2.908	13.4	20.9
3 22	14 2.07	−13 56.0	2.017	2.912	10.4	20.7
4 1	13 55.95	−13 24.9	1.959	2.917	6.8	20.5
4 11	13 48.50	−12 44.5	1.926	2.921	2.9	20.3
4 21	13 40.49	−11 58.7	1.921	2.925	1.3	20.1
5 1	13 32.82	−11 12.3	1.945	2.929	5.2	20.4
5 11	13 26.31	−10 30.7	1.995	2.933	8.9	20.6
5 21	13 21.53	− 9 57.9	2.070	2.937	12.1	20.8

368794 2005 XW_{53} 4 17.6 148°.51 3°.6/21.4 17

3 12	14 8.42	−24 35.6	2.199	2.960	14.4	21.5
3 22	14 3.76	−24 23.1	2.112	2.968	11.7	21.3
4 1	13 57.05	−23 51.9	2.047	2.975	8.6	21.1
4 11	13 48.94	−23 2.8	2.008	2.982	5.5	20.9
4 21	13 40.27	−21 58.4	1.995	2.989	3.6	20.8
5 1	13 31.99	−20 44.1	2.012	2.994	5.2	20.9
5 11	13 24.94	−19 26.7	2.056	3.000	8.3	21.1
5 21	13 19.71	−18 13.0	2.126	3.005	11.4	21.3

26761 Stromboli 4 17.6 96°.77 0°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.93	−13 56.6	3.349	4.144	9.2	18.6
3 22	13 58.05	−13 33.1	3.269	4.158	7.0	18.5
4 1	13 53.01	−13 2.0	3.215	4.171	4.6	18.3
4 11	13 47.22	−12 25.5	3.190	4.184	1.9	18.2
4 21	13 41.16	−11 46.1	3.194	4.197	0.9	18.1
5 1	13 35.32	−11 6.7	3.228	4.210	3.5	18.3
5 11	13 30.18	−10 30.3	3.290	4.223	6.0	18.5
5 21	13 26.09	− 9 59.5	3.379	4.235	8.2	18.6

463911 2014 UW_{130} 4 17.6 96°.74 1°.1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.79	−14 17.8	1.653	2.466	16.2	21.5
3 22	14 6.81	−14 21.9	1.580	2.476	12.6	21.3
4 1	13 59.25	−14 12.8	1.528	2.486	8.4	21.1
4 11	13 49.89	−13 52.4	1.501	2.495	3.8	20.8
4 21	13 39.81	−13 24.2	1.501	2.505	1.7	20.7
5 1	13 30.23	−12 53.4	1.529	2.514	6.2	21.0
5 11	13 22.24	−12 25.9	1.582	2.523	10.5	21.3
5 21	13 16.57	−12 6.5	1.657	2.532	14.3	21.5

194631 2001 XE_{162} 4 17.6 124°.76 1°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 1.80	− 7 26.8	3.514	4.326	8.4	21.0
3 22	13 57.88	− 6 57.7	3.435	4.336	6.3	20.9
4 1	13 52.88	− 6 24.4	3.382	4.345	4.0	20.7
4 11	13 47.17	− 5 49.4	3.358	4.353	1.7	20.5
4 21	13 41.19	− 5 15.2	3.364	4.362	1.7	20.5
5 1	13 35.42	− 4 44.6	3.400	4.371	4.0	20.7
5 11	13 30.29	− 4 19.9	3.464	4.379	6.3	20.9
5 21	13 26.13	− 4 2.8	3.553	4.387	8.3	21.0

107000 2000 YU_{109} 4 17.6 112°.10 0°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.64	−13 30.9	1.627	2.446	16.2	20.7
3 22	14 5.94	−13 14.7	1.554	2.455	12.5	20.5
4 1	13 58.68	−12 44.5	1.503	2.464	8.2	20.2
4 11	13 49.65	−12 3.5	1.477	2.472	3.4	19.9
4 21	13 39.94	−11 16.6	1.477	2.481	1.6	19.8
5 1	13 30.73	−10 29.9	1.505	2.489	6.4	20.2
5 11	13 23.12	− 9 50.2	1.558	2.497	10.8	20.4
5 21	13 17.79	− 9 22.0	1.633	2.505	14.6	20.7

387865 2004 RE_{91} 4 17.6 298°.24 6°.7/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.17	+ 4 34.4	2.203	3.047	11.6	20.5
3 22	13 59.02	+ 6 38.1	2.113	3.022	9.3	20.3
4 1	13 54.06	+ 8 45.7	2.048	2.997	7.3	20.2
4 11	13 47.78	+10 48.5	2.011	2.971	6.8	20.1
4 21	13 40.86	+12 37.7	2.003	2.946	8.2	20.1
5 1	13 34.08	+14 6.0	2.021	2.921	10.7	20.2
5 11	13 28.24	+15 8.8	2.063	2.895	13.4	20.4
5 21	13 23.92	+15 44.9	2.124	2.870	15.9	20.5

58383 1995 SV_{47} 4 17.6 157°.44 0°.4/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.11	−11 12.1	2.646	3.452	11.0	20.9
3 22	14 1.55	−10 50.8	2.562	3.457	8.4	20.7
4 1	13 55.43	−10 21.6	2.502	3.461	5.4	20.5
4 11	13 48.26	− 9 47.2	2.469	3.465	2.1	20.3
4 21	13 40.66	− 9 10.7	2.467	3.469	1.3	20.2
5 1	13 33.32	− 8 35.8	2.493	3.473	4.6	20.5
5 11	13 26.90	− 8 6.1	2.548	3.476	7.7	20.7
5 21	13 21.85	− 7 44.3	2.627	3.479	10.4	20.9

36939 2000 SB_{237} 4 17.6 150°.96 0°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.43	−12 50.5	2.855	3.655	10.5	21.2
3 22	14 0.92	−12 28.1	2.771	3.662	8.0	21.0
4 1	13 54.97	−11 57.6	2.711	3.668	5.2	20.8
4 11	13 48.05	−11 21.0	2.679	3.675	2.1	20.6
4 21	13 40.76	−10 41.4	2.677	3.681	1.1	20.5
5 1	13 33.73	−10 2.3	2.705	3.686	4.2	20.8
5 11	13 27.54	− 9 27.2	2.762	3.692	7.1	21.0
5 21	13 22.63	− 8 59.1	2.843	3.696	9.6	21.1

282090 2000 QE_{143} 4 17.6 224°.86 4°.5/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.40	+ 1 38.1	2.687	3.519	10.1	21.0
3 22	13 59.51	+ 3 3.9	2.604	3.511	7.8	20.9
4 1	13 54.13	+ 4 32.1	2.547	3.502	5.6	20.7
4 11	13 47.74	+ 5 57.0	2.519	3.493	4.5	20.6
4 21	13 40.92	+ 7 12.9	2.520	3.484	5.5	20.7
5 1	13 34.31	+ 8 15.0	2.549	3.474	7.7	20.8
5 11	13 28.51	+ 9 0.0	2.605	3.464	10.1	20.9
5 21	13 23.99	+ 9 26.8	2.682	3.454	12.4	21.1

437015 2012 TE_{266} 4 17.6 276°.99 1°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.61	− 9 42.9	2.065	2.886	13.1	21.7
3 22	14 2.43	− 9 19.8	1.979	2.883	10.0	21.5
4 1	13 56.24	− 8 47.8	1.917	2.880	6.4	21.3
4 11	13 48.66	− 8 10.3	1.881	2.878	2.6	21.0
4 21	13 40.46	− 7 31.5	1.873	2.875	2.0	21.0
5 1	13 32.56	− 6 56.1	1.893	2.872	5.9	21.2
5 11	13 25.80	− 6 28.9	1.939	2.869	9.6	21.5
5 21	13 20.79	− 6 12.7	2.009	2.866	12.9	21.7

469136 2015 FO_{45} 4 17.6 186°.22 3°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.05	− 0 46.7	2.659	3.480	10.6	21.3
3 22	14 2.98	− 0 18.4	2.576	3.479	8.1	21.1
4 1	13 56.34	+ 0 11.3	2.519	3.479	5.4	21.0
4 11	13 48.63	+ 0 38.7	2.490	3.478	3.3	20.8
4 21	13 40.49	+ 1 0.2	2.491	3.476	3.8	20.8
5 1	13 32.61	+ 1 12.8	2.520	3.474	6.3	21.0
5 11	13 25.64	+ 1 14.3	2.577	3.472	9.0	21.2
5 21	13 20.07	+ 1 3.8	2.658	3.469	11.4	21.3

143449 2003 BG_{79} 4 17.6 54°.81 5°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.83	+ 2 56.8	2.181	3.018	12.0	19.6
3 22	14 1.60	+ 3 49.7	2.111	3.020	9.3	19.4
4 1	13 55.57	+ 4 42.2	2.066	3.022	6.7	19.3
4 11	13 48.35	+ 5 28.6	2.047	3.024	5.1	19.2
4 21	13 40.65	+ 6 3.7	2.056	3.027	6.0	19.2
5 1	13 33.31	+ 6 23.4	2.092	3.029	8.4	19.4
5 11	13 27.05	+ 6 25.6	2.152	3.031	11.2	19.6
5 21	13 22.40	+ 6 10.4	2.234	3.034	13.7	19.7

63219 2001 AD_{32} 4 17.6 101°.80 1°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.95	− 8 52.4	1.995	2.816	13.6	19.1
3 22	14 4.11	− 8 27.0	1.925	2.829	10.3	18.9
4 1	13 57.24	− 7 53.5	1.879	2.842	6.6	18.7
4 11	13 49.03	− 7 15.6	1.859	2.855	2.7	18.5
4 21	13 40.32	− 6 37.9	1.867	2.868	2.3	18.5
5 1	13 32.07	− 6 5.1	1.903	2.880	6.1	18.8
5 11	13 25.08	− 5 41.3	1.966	2.892	9.7	19.0
5 21	13 19.94	− 5 29.3	2.052	2.904	12.9	19.2

213984 2004 AC_{15} 4 17.6 221°.38 0°.4/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.80	−11 51.1	2.207	3.011	13.0	22.0
3 22	14 5.62	−11 25.6	2.106	3.000	10.0	21.8
4 1	13 58.34	−10 49.4	2.028	2.987	6.5	21.5
4 11	13 49.55	−10 5.2	1.978	2.974	2.6	21.2
4 21	13 40.02	− 9 16.9	1.957	2.959	1.6	21.1
5 1	13 30.70	− 8 29.6	1.965	2.944	5.6	21.4
5 11	13 22.47	− 7 48.4	2.001	2.928	9.5	21.6
5 21	13 16.00	− 7 17.3	2.061	2.911	12.9	21.7

376929 2002 CN_{86} 4 17.6 164°.58 6°.5/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.75	−30 19.2	2.166	2.893	15.6	21.2
3 22	14 6.65	−30 58.3	2.075	2.896	13.2	21.1
4 1	13 59.15	−31 18.0	2.005	2.899	10.6	20.9
4 11	13 49.91	−31 15.8	1.958	2.901	8.1	20.7
4 21	13 39.85	−30 51.4	1.936	2.904	6.6	20.6
5 1	13 30.09	−30 7.9	1.942	2.905	7.1	20.7
5 11	13 21.66	−29 11.2	1.974	2.907	9.3	20.8
5 21	13 15.32	−28 8.8	2.031	2.908	11.9	21.0

69814 1998 RD_{50} 4 17.6 330°.11 3°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.06	−18 20.1	1.802	2.598	15.8	18.2
3 22	14 6.40	−19 2.0	1.711	2.592	12.7	18.0
4 1	13 59.15	−19 31.2	1.641	2.586	9.0	17.7
4 11	13 49.96	−19 46.7	1.596	2.581	5.3	17.5
4 21	13 39.80	−19 49.0	1.578	2.576	3.4	17.4
5 1	13 29.87	−19 40.9	1.587	2.571	6.2	17.5
5 11	13 21.33	−19 27.4	1.622	2.567	10.0	17.7
5 21	13 15.00	−19 14.0	1.679	2.562	13.7	18.0

262059 2006 RJ_{31} 4 17.6 220°.93 3°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.43	−19 37.8	2.003	2.783	15.0	21.8
3 22	14 8.01	−20 1.7	1.903	2.775	12.1	21.5
4 1	14 0.11	−20 11.6	1.826	2.766	8.7	21.3
4 11	13 50.34	−20 6.9	1.774	2.756	5.1	21.1
4 21	13 39.63	−19 48.6	1.749	2.747	3.2	20.9
5 1	13 29.10	−19 20.2	1.753	2.736	5.8	21.1
5 11	13 19.87	−18 47.1	1.784	2.725	9.6	21.3
5 21	13 12.73	−18 15.3	1.840	2.713	13.1	21.5

322409 2011 SD_{51} 4 17.6 284°.99 3°.7/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.49	−23 40.8	2.268	3.037	13.8	20.4
3 22	14 1.66	−23 43.3	2.166	3.026	11.3	20.2
4 1	13 55.83	−23 29.2	2.084	3.015	8.4	20.0
4 11	13 48.54	−22 58.4	2.028	3.003	5.4	19.8
4 21	13 40.55	−22 12.7	1.999	2.992	3.7	19.6
5 1	13 32.77	−21 16.1	1.998	2.980	5.2	19.7
5 11	13 26.04	−20 14.6	2.024	2.969	8.3	19.9
5 21	13 21.02	−19 14.3	2.074	2.958	11.4	20.0

346187 2007 WQ_{63} 4 17.6 169°.91 4°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.58	+ 1 50.3	2.322	3.154	11.5	21.0
3 22	14 2.08	+ 2 37.5	2.249	3.156	8.9	20.9
4 1	13 55.86	+ 3 24.9	2.199	3.157	6.2	20.7
4 11	13 48.47	+ 4 7.6	2.177	3.157	4.6	20.6
4 21	13 40.63	+ 4 40.7	2.183	3.158	5.3	20.6
5 1	13 33.11	+ 5 0.5	2.217	3.159	7.8	20.8
5 11	13 26.62	+ 5 4.7	2.276	3.159	10.5	21.0
5 21	13 21.66	+ 4 52.9	2.358	3.159	13.0	21.1

457460 2008 UZ_{177} 4 17.6 182°.03 0°.9/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.87	−15 37.6	1.744	2.550	15.8	22.3
3 22	14 6.88	−15 17.6	1.659	2.551	12.4	22.1
4 1	13 59.34	−14 41.9	1.596	2.552	8.3	21.8
4 11	13 49.99	−13 52.8	1.558	2.552	3.7	21.5
4 21	13 39.85	−12 54.8	1.547	2.551	1.6	21.4
5 1	13 30.10	−11 54.5	1.565	2.549	6.2	21.7
5 11	13 21.85	−10 59.2	1.609	2.547	10.6	21.9
5 21	13 15.84	−10 14.7	1.675	2.544	14.4	22.2

455641 2004 XN_{78} 4 17.6 96°.99 6°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.41	+ 4 51.0	1.646	2.479	15.4	21.7
3 22	14 9.12	+ 5 47.8	1.601	2.505	12.0	21.5
4 1	14 0.44	+ 6 40.7	1.578	2.531	8.7	21.4
4 11	13 50.29	+ 7 22.2	1.582	2.555	6.8	21.3
4 21	13 39.78	+ 7 46.2	1.612	2.580	7.7	21.4
5 1	13 30.06	+ 7 49.1	1.669	2.603	10.4	21.7
5 11	13 22.08	+ 7 30.3	1.749	2.626	13.4	21.9
5 21	13 16.38	+ 6 52.1	1.850	2.648	16.2	22.1

471182 2010 LD_{33} 4 17.7 181°.05 3°.6/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.67	−28 45.5	3.784	4.495	9.7	23.0
3 22	14 0.95	−28 50.7	3.681	4.495	8.1	22.9
4 1	13 54.95	−28 43.8	3.601	4.496	6.3	22.7
4 11	13 48.08	−28 24.5	3.547	4.496	4.6	22.6
4 21	13 40.85	−27 53.8	3.522	4.495	3.6	22.5
5 1	13 33.78	−27 13.7	3.527	4.494	4.1	22.6
5 11	13 27.40	−26 27.4	3.561	4.493	5.6	22.7
5 21	13 22.11	−25 38.6	3.622	4.491	7.4	22.8

300206 2006 WW_{126} 4 17.7 260°.78 1°.0/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.83	−10 28.8	2.563	3.376	11.2	21.6
3 22	14 0.81	− 9 44.3	2.455	3.355	8.6	21.4
4 1	13 55.12	− 8 50.2	2.372	3.334	5.5	21.1
4 11	13 48.23	− 7 49.7	2.316	3.313	2.2	20.9
4 21	13 40.75	− 6 46.9	2.290	3.291	1.9	20.8
5 1	13 33.41	− 5 46.7	2.294	3.269	5.3	21.0
5 11	13 26.92	− 4 54.1	2.325	3.246	8.6	21.2
5 21	13 21.81	− 4 12.6	2.380	3.224	11.6	21.3

110961 2001 UW_{168} 4 17.7 159°.37 0°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.07	− 8 40.3	2.894	3.696	10.3	19.8
3 22	14 3.65	− 8 35.1	2.808	3.702	7.8	19.6
4 1	13 56.74	− 8 24.9	2.748	3.708	5.0	19.5
4 11	13 48.82	− 8 11.6	2.717	3.713	2.0	19.3
4 21	13 40.49	− 7 57.6	2.716	3.718	1.5	19.2
5 1	13 32.41	− 7 45.6	2.745	3.722	4.5	19.4
5 11	13 25.19	− 7 38.1	2.804	3.726	7.3	19.6
5 21	13 19.30	− 7 37.0	2.888	3.729	9.8	19.8

463727 2014 QK_{316} 4 17.7 111°.12 3°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.46	− 3 59.8	1.764	2.595	14.6	21.7
3 22	14 6.12	− 2 58.1	1.707	2.616	11.0	21.5
4 1	13 58.56	− 1 50.8	1.673	2.637	7.2	21.3
4 11	13 49.58	− 0 44.7	1.666	2.657	4.0	21.2
4 21	13 40.16	+ 0 13.7	1.686	2.676	4.7	21.3
5 1	13 31.35	+ 0 58.2	1.734	2.694	8.1	21.5
5 11	13 24.05	+ 1 25.1	1.808	2.712	11.7	21.8
5 21	13 18.81	+ 1 33.5	1.903	2.729	14.7	22.0

206914 2004 PZ_{61} 4 17.7 255°.92 3°.6/15.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.68	− 4 39.3	1.592	2.430	15.6	20.3
3 22	14 6.28	− 3 55.5	1.502	2.416	12.0	20.0
4 1	13 59.16	− 3 3.5	1.434	2.400	7.9	19.7
4 11	13 50.01	− 2 9.1	1.391	2.385	4.2	19.5
4 21	13 39.86	− 1 19.4	1.375	2.369	4.7	19.5
5 1	13 29.96	− 0 41.5	1.385	2.352	8.9	19.7
5 11	13 21.53	− 0 20.9	1.419	2.335	13.4	19.9
5 21	13 15.42	− 0 20.2	1.473	2.318	17.4	20.1

245940 2006 RM_{79} 4 17.7 218°.94 1°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.39	− 9 27.8	2.339	3.157	11.9	21.1
3 22	14 1.27	− 8 55.4	2.252	3.155	9.1	20.9
4 1	13 55.40	− 8 14.7	2.189	3.152	5.8	20.7
4 11	13 48.33	− 7 29.2	2.153	3.149	2.3	20.4
4 21	13 40.75	− 6 43.0	2.145	3.146	2.0	20.4
5 1	13 33.43	− 6 0.6	2.167	3.143	5.5	20.6
5 11	13 27.10	− 5 26.4	2.215	3.140	8.8	20.8
5 21	13 22.28	− 5 3.1	2.287	3.136	11.8	21.0

436734 2011 UG_{292} 4 17.7 186°.23 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.15	− 7 34.0	2.630	3.452	10.6	22.0
3 22	13 59.34	− 6 29.3	2.545	3.451	8.0	21.8
4 1	13 54.04	− 5 17.2	2.486	3.451	5.1	21.6
4 11	13 47.75	− 4 1.9	2.456	3.450	2.4	21.4
4 21	13 41.05	− 2 48.3	2.455	3.449	2.8	21.4
5 1	13 34.61	− 1 41.7	2.483	3.448	5.7	21.6
5 11	13 29.02	− 0 46.2	2.539	3.447	8.6	21.8
5 21	13 24.73	− 0 4.4	2.619	3.445	11.2	22.0

288602 2004 KK_{9} 4 17.7 330°.84 4°.0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 3.43	−21 49.9	1.409	2.223	18.5	19.6
3 22	14 1.21	−21 53.0	1.319	2.209	15.1	19.4
4 1	13 56.12	−21 32.3	1.248	2.196	11.0	19.1
4 11	13 48.84	−20 47.8	1.198	2.183	6.6	18.8
4 21	13 40.46	−19 42.4	1.172	2.171	4.0	18.6
5 1	13 32.35	−18 23.4	1.171	2.160	6.9	18.7
5 11	13 25.87	−17 1.4	1.193	2.150	11.6	19.0
5 21	13 21.93	−15 46.2	1.236	2.141	16.1	19.2

108445 2001 KZ_{46} 4 17.7 321°.13 8°.2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.03	−34 45.9	1.781	2.513	18.3	18.3
3 22	14 0.67	−34 56.3	1.674	2.492	16.0	18.1
4 1	13 55.66	−34 37.6	1.584	2.472	13.3	17.8
4 11	13 48.63	−33 46.2	1.514	2.453	10.5	17.6
4 21	13 40.57	−32 21.6	1.468	2.433	8.4	17.4
5 1	13 32.76	−30 28.5	1.446	2.415	8.5	17.4
5 11	13 26.41	−28 16.8	1.450	2.397	10.8	17.5
5 21	13 22.39	−25 58.7	1.477	2.380	14.0	17.6

463827 2014 TA_{54} 4 17.7 11°.71 0°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.72	−18 38.2	1.555	2.371	17.0	20.7
3 22	14 1.64	−17 35.4	1.474	2.371	13.3	20.5
4 1	13 56.04	−16 8.9	1.414	2.372	8.9	20.2
4 11	13 48.68	−14 23.0	1.379	2.373	4.0	19.9
4 21	13 40.60	−12 25.5	1.370	2.373	1.6	19.8
5 1	13 32.98	−10 27.4	1.388	2.375	6.5	20.1
5 11	13 26.89	− 8 39.5	1.432	2.376	11.2	20.4
5 21	13 23.02	− 7 9.9	1.498	2.377	15.3	20.6

36914 2000 SX_{191} 4 17.7 75°.53 0°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.63	−10 21.6	2.256	3.073	12.3	19.6
3 22	14 1.40	− 9 51.6	2.185	3.087	9.3	19.5
4 1	13 55.43	− 9 13.1	2.138	3.101	6.0	19.3
4 11	13 48.32	− 8 29.5	2.118	3.115	2.4	19.1
4 21	13 40.80	− 7 45.1	2.127	3.128	1.8	19.0
5 1	13 33.66	− 7 4.4	2.164	3.142	5.3	19.3
5 11	13 27.59	− 6 31.4	2.228	3.156	8.6	19.5
5 21	13 23.10	− 6 9.0	2.316	3.170	11.5	19.7

85658 1998 QS_{28} 4 17.7 270°.91 4°.8/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.51	−25 36.9	2.158	2.916	14.7	20.5
3 22	14 4.26	−25 55.3	2.046	2.896	12.3	20.3
4 1	13 57.71	−25 56.2	1.956	2.876	9.4	20.1
4 11	13 49.41	−25 38.1	1.889	2.856	6.5	19.9
4 21	13 40.19	−25 1.5	1.850	2.836	4.8	19.7
5 1	13 31.06	−24 9.9	1.837	2.815	6.1	19.7
5 11	13 23.06	−23 9.2	1.852	2.794	9.1	19.9
5 21	13 16.97	−22 6.4	1.890	2.773	12.4	20.0

31012 1996 CG_{8} 4 17.7 0°.53 3°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.90	− 7 12.9	1.076	1.945	19.2	17.9
3 22	14 1.85	− 6 21.0	1.012	1.942	14.6	17.6
4 1	13 56.60	− 5 15.1	0.967	1.941	9.4	17.3
4 11	13 49.02	− 4 3.6	0.944	1.941	4.5	17.0
4 21	13 40.45	− 2 56.8	0.943	1.941	5.0	17.0
5 1	13 32.47	− 2 5.1	0.965	1.943	10.2	17.3
5 11	13 26.48	− 1 36.0	1.008	1.946	15.3	17.6
5 21	13 23.31	− 1 32.1	1.068	1.950	19.8	17.9

382399 1994 SB_{10} 4 17.7 197°.03 0°.2/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.38	−12 58.2	2.472	3.272	11.9	22.2
3 22	14 3.51	−12 42.1	2.379	3.269	9.2	22.0
4 1	13 56.85	−12 16.4	2.309	3.266	6.0	21.8
4 11	13 48.95	−11 43.5	2.267	3.262	2.5	21.5
4 21	13 40.51	−11 6.3	2.255	3.258	1.2	21.4
5 1	13 32.30	−10 28.8	2.271	3.253	4.8	21.7
5 11	13 25.07	− 9 55.4	2.316	3.248	8.2	21.9
5 21	13 19.38	− 9 29.3	2.386	3.242	11.1	22.0

20145 1996 SS_{4} 4 17.7 353°.83 0°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.22	−13 24.7	1.378	2.216	17.6	18.3
3 22	14 3.10	−12 48.7	1.303	2.214	13.6	18.1
4 1	13 57.16	−11 54.7	1.247	2.213	8.9	17.8
4 11	13 49.21	−10 47.4	1.215	2.212	3.6	17.5
4 21	13 40.37	− 9 33.9	1.208	2.211	2.0	17.4
5 1	13 32.00	− 8 23.1	1.226	2.211	7.4	17.7
5 11	13 25.32	− 7 23.9	1.268	2.211	12.4	18.0
5 21	13 21.11	− 6 42.2	1.330	2.211	16.7	18.2

177088 2003 FN_{72} 4 17.7 62°.82 2°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.39	− 4 34.1	2.098	2.919	13.0	20.0
3 22	14 5.77	− 4 30.9	2.037	2.941	9.8	19.8
4 1	13 58.23	− 4 24.5	2.001	2.964	6.3	19.7
4 11	13 49.46	− 4 17.9	1.992	2.986	2.9	19.5
4 21	13 40.30	− 4 14.3	2.011	3.009	2.8	19.5
5 1	13 31.65	− 4 16.7	2.059	3.031	6.1	19.8
5 11	13 24.28	− 4 27.3	2.134	3.054	9.4	20.0
5 21	13 18.71	− 4 47.1	2.233	3.076	12.3	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
360379 2002 CF_{131}			4 17.7 333°.84		5°.2/13.8 17	
	h m	° ′			°	m
3 12	14 5.35	− 3 28.9	1.282	2.144	17.2	20.0
3 22	14 2.55	− 2 15.5	1.211	2.137	13.2	19.7
4 1	13 56.87	− 0 52.5	1.161	2.131	8.8	19.5
4 11	13 49.11	+ 0 31.0	1.134	2.125	5.5	19.3
4 21	13 40.43	+ 1 44.5	1.131	2.120	6.6	19.3
5 1	13 32.21	+ 2 38.3	1.152	2.115	10.9	19.5
5 11	13 25.70	+ 3 6.5	1.194	2.111	15.4	19.8
5 21	13 21.73	+ 3 7.6	1.255	2.107	19.3	20.0
133318 2003 SQ_{84}			4 17.7 309°.62		4°.5/20.5 17	
3 12	14 5.52	−21 22.5	1.320	2.137	19.4	19.8
3 22	14 3.34	−21 40.3	1.215	2.107	16.0	19.5
4 1	13 57.91	−21 35.3	1.127	2.076	11.8	19.2
4 11	13 49.77	−21 5.3	1.061	2.046	7.2	18.8
4 21	13 39.98	−20 11.1	1.017	2.016	4.6	18.6
5 1	13 30.13	−18 58.5	0.998	1.987	7.9	18.6
5 11	13 21.87	−17 38.2	1.000	1.958	13.2	18.8
5 21	13 16.49	−16 22.0	1.023	1.930	18.4	19.0
131819 2002 AO_{93}			4 17.7 45°.82		1°.1/18.4 18	
3 12	14 9.10	−15 3.4	1.236	2.071	19.3	20.5
3 22	14 5.44	−14 54.3	1.175	2.084	15.0	20.3
4 1	13 58.69	−14 26.7	1.134	2.097	10.0	20.0
4 11	13 49.81	−13 43.9	1.115	2.110	4.4	19.7
4 21	13 40.13	−12 51.7	1.120	2.124	1.9	19.6
5 1	13 31.16	−11 58.5	1.150	2.138	7.2	20.0
5 11	13 24.19	−11 12.8	1.203	2.153	12.3	20.3
5 21	13 19.97	−10 40.7	1.277	2.168	16.6	20.6
168256 2006 MY			4 17.7 186°.87		6°.8/11.2 17	
3 12	14 10.80	+ 5 55.2	2.016	2.847	13.1	21.0
3 22	14 5.59	+ 7 13.4	1.945	2.847	10.4	20.8
4 1	13 58.29	+ 8 29.8	1.899	2.846	7.9	20.6
4 11	13 49.56	+ 9 37.0	1.880	2.844	6.8	20.5
4 21	13 40.25	+10 28.1	1.888	2.842	7.8	20.6
5 1	13 31.34	+10 58.2	1.923	2.839	10.3	20.7
5 11	13 23.68	+11 5.1	1.981	2.835	13.1	20.9
5 21	13 17.89	+10 49.7	2.060	2.830	15.6	21.1
169538 2002 EH_{74}			4 17.7 347°.70		1°.3/18.5 17	
3 12	14 7.29	−14 32.9	1.259	2.098	18.9	19.5
3 22	14 4.30	−14 38.1	1.182	2.092	14.8	19.2
4 1	13 58.18	−14 26.5	1.125	2.088	10.0	18.9
4 11	13 49.72	−13 59.9	1.089	2.084	4.6	18.6
4 21	13 40.15	−13 22.7	1.077	2.081	2.0	18.4
5 1	13 31.00	−12 42.1	1.090	2.079	7.4	18.7
5 11	13 23.70	−12 6.2	1.125	2.077	12.7	19.0
5 21	13 19.18	−11 41.6	1.180	2.076	17.3	19.3
250440 2003 XY_{16}			4 17.7 118°.32		3°.3/14.9 18	
3 12	14 10.56	− 4 41.3	1.792	2.624	14.4	21.0
3 22	14 5.52	− 3 49.4	1.729	2.638	10.9	20.8
4 1	13 58.26	− 2 51.4	1.688	2.653	7.1	20.6
4 11	13 49.53	− 1 53.1	1.674	2.667	3.7	20.4
4 21	13 40.31	− 1 1.0	1.688	2.680	4.3	20.5
5 1	13 31.61	− 0 20.8	1.729	2.693	7.8	20.7
5 11	13 24.36	+ 0 3.5	1.795	2.705	11.4	20.9
5 21	13 19.14	+ 0 10.5	1.884	2.717	14.6	21.2
22547 Kimberscott			4 17.7 349°.11		2°.3/15.9 18	
3 12	14 7.98	− 6 27.9	1.704	2.541	14.8	18.5
3 22	14 3.88	− 6 3.1	1.626	2.539	11.3	18.3
4 1	13 57.41	− 5 31.0	1.571	2.537	7.3	18.0
4 11	13 49.27	− 4 56.1	1.540	2.536	3.3	17.8
4 21	13 40.41	− 4 23.5	1.536	2.535	3.3	17.8
5 1	13 31.92	− 3 58.9	1.559	2.534	7.4	18.0
5 11	13 24.83	− 3 46.4	1.607	2.533	11.4	18.3
5 21	13 19.81	− 3 48.5	1.676	2.533	15.0	18.5
147319 2003 BG_{8}			4 17.7 120°.42		2°.4/15.4 18	
3 12	14 9.55	− 6 46.9	2.051	2.874	13.2	20.9
3 22	14 4.47	− 5 55.5	1.986	2.891	10.0	20.7
4 1	13 57.45	− 4 57.0	1.944	2.908	6.3	20.6
4 11	13 49.18	− 3 56.3	1.931	2.925	3.0	20.4
4 21	13 40.49	− 2 59.2	1.945	2.941	3.3	20.4
5 1	13 32.27	− 2 11.0	1.989	2.956	6.6	20.6
5 11	13 25.31	− 1 35.8	2.059	2.971	10.0	20.9
5 21	13 20.15	− 1 15.7	2.152	2.985	13.0	21.1
64595 2001 XO_{14}			4 17.7 175°.02		2°.1/15.6 18	
3 12	14 7.76	− 4 30.5	2.559	3.377	11.0	20.1
3 22	14 2.88	− 4 10.2	2.475	3.379	8.3	19.9
4 1	13 56.37	− 3 46.4	2.417	3.380	5.4	19.7
4 11	13 48.76	− 3 22.1	2.387	3.380	2.6	19.5
4 21	13 40.69	− 3 0.9	2.386	3.381	2.8	19.5
5 1	13 32.88	− 2 45.9	2.414	3.381	5.7	19.7
5 11	13 26.02	− 2 39.7	2.470	3.381	8.6	19.9
5 21	13 20.59	− 2 43.9	2.549	3.381	11.3	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
53118 1999 AU_{20}			4 17.7 352°.89		4°.8/15.4 18	
	h m	° ′			°	m
3 12	14 8.85	− 2 4.3	1.044	1.913	19.6	17.8
3 22	14 5.87	− 1 50.5	0.979	1.908	15.2	17.5
4 1	13 59.37	− 1 33.3	0.931	1.903	10.1	17.2
4 11	13 50.25	− 1 19.8	0.905	1.899	5.5	16.9
4 21	13 39.94	− 1 17.3	0.901	1.897	5.9	16.9
5 1	13 30.20	− 1 31.7	0.919	1.896	10.8	17.2
5 11	13 22.61	− 2 6.0	0.958	1.896	16.0	17.5
5 21	13 18.15	− 2 59.8	1.014	1.897	20.6	17.7
299383 2005 VC_{73}			4 17.7 154°.35		0°.2/17.6 18	
3 12	14 10.48	−14 2.1	1.597	2.415	16.5	21.3
3 22	14 5.94	−13 20.0	1.520	2.421	12.7	21.1
4 1	13 58.80	−12 21.2	1.465	2.427	8.3	20.8
4 11	13 49.85	−11 9.9	1.435	2.432	3.4	20.5
4 21	13 40.17	− 9 52.7	1.433	2.436	1.8	20.4
5 1	13 30.98	− 8 37.9	1.457	2.440	6.8	20.8
5 11	13 23.40	− 7 33.4	1.507	2.443	11.3	21.0
5 21	13 18.13	− 6 44.7	1.579	2.446	15.3	21.3
458970 2011 WW_{23}			4 17.7 264°.76		3°.5/15.4 16	
3 12	14 12.18	− 4 12.4	1.562	2.399	15.9	21.4
3 22	14 7.58	− 3 41.4	1.469	2.381	12.3	21.2
4 1	14 0.14	− 3 3.4	1.397	2.363	8.1	20.9
4 11	13 50.52	− 2 24.0	1.350	2.344	4.2	20.6
4 21	13 39.77	− 1 49.5	1.330	2.325	4.6	20.6
5 1	13 29.23	− 1 26.3	1.336	2.306	9.0	20.7
5 11	13 20.18	− 1 19.6	1.366	2.286	13.6	21.0
5 21	13 13.54	− 1 31.4	1.417	2.266	17.7	21.2
464464 2016 BH_{44}			4 17.7 120°.64		0°.2/17.9 16	
3 12	14 10.58	−14 0.6	1.579	2.398	16.6	22.3
3 22	14 6.02	−13 34.4	1.507	2.407	12.8	22.1
4 1	13 58.84	−12 52.7	1.455	2.416	8.4	21.8
4 11	13 49.86	−11 59.1	1.429	2.425	3.5	21.5
4 21	13 40.17	−10 59.3	1.429	2.433	1.6	21.4
5 1	13 31.01	−10 0.4	1.457	2.441	6.6	21.8
5 11	13 23.48	− 9 9.8	1.509	2.448	11.1	22.0
5 21	13 18.28	− 8 32.5	1.584	2.455	15.0	22.3
520294 2014 FB_{28}			4 17.7 153°.09		0°.4/17.2 17	
3 12	14 4.16	−12 31.0	2.521	3.329	11.4	21.4
3 22	14 0.21	−11 47.9	2.436	3.333	8.7	21.2
4 1	13 54.68	−10 54.7	2.375	3.336	5.6	21.0
4 11	13 48.08	− 9 54.7	2.342	3.339	2.2	20.8
4 21	13 41.06	− 8 52.0	2.339	3.341	1.4	20.8
5 1	13 34.31	− 7 51.6	2.365	3.344	4.8	21.0
5 11	13 28.49	− 6 58.1	2.418	3.346	8.0	21.2
5 21	13 24.07	− 6 15.0	2.496	3.348	10.8	21.4
114574 2003 BL_{68}			4 17.7 329°.22		8°.9/ 7.2 18	
3 12	14 1.36	+ 9 23.7	1.837	2.689	13.2	18.5
3 22	13 58.72	+11 21.0	1.767	2.674	10.9	18.4
4 1	13 54.04	+13 15.7	1.721	2.659	9.2	18.2
4 11	13 47.91	+14 57.7	1.700	2.645	9.0	18.2
4 21	13 41.13	+16 18.1	1.704	2.632	10.5	18.2
5 1	13 34.64	+17 10.3	1.732	2.619	12.9	18.3
5 11	13 29.30	+17 32.0	1.781	2.607	15.5	18.5
5 21	13 25.74	+17 24.0	1.847	2.596	17.9	18.6
231366 2006 HQ_{7}			4 17.7 351°.25		5°.1/13.3 18	
3 12	14 4.90	− 0 41.1	1.686	2.535	14.3	19.4
3 22	14 1.50	+ 0 22.9	1.614	2.532	11.0	19.1
4 1	13 55.85	+ 1 30.9	1.565	2.530	7.5	18.9
4 11	13 48.64	+ 2 35.5	1.542	2.528	5.2	18.8
4 21	13 40.78	+ 3 29.3	1.544	2.526	6.2	18.8
5 1	13 33.32	+ 4 6.0	1.572	2.525	9.4	19.0
5 11	13 27.19	+ 4 21.8	1.624	2.524	13.0	19.2
5 21	13 23.04	+ 4 16.1	1.695	2.524	16.2	19.4
327886 2007 BF_{34}			4 17.7 117°.18		1°.4/16.5 17	
3 12	14 9.36	− 9 30.0	1.907	2.728	14.1	21.8
3 22	14 4.56	− 8 52.9	1.837	2.741	10.7	21.6
4 1	13 57.65	− 8 6.2	1.790	2.754	6.8	21.4
4 11	13 49.32	− 7 14.3	1.769	2.766	2.8	21.1
4 21	13 40.48	− 6 22.4	1.777	2.777	2.4	21.1
5 1	13 32.10	− 5 36.3	1.813	2.789	6.3	21.4
5 11	13 25.06	− 5 0.8	1.874	2.800	10.1	21.7
5 21	13 19.93	− 4 38.9	1.959	2.810	13.4	21.9
191784 2004 TP_{122}			4 17.7 297°.21		0°.8/18.4 17	
3 12	14 6.28	−15 7.2	1.739	2.557	15.4	20.5
3 22	14 2.80	−14 50.1	1.643	2.542	12.1	20.2
4 1	13 56.88	−14 17.6	1.567	2.526	8.1	20.0
4 11	13 49.15	−13 31.8	1.517	2.511	3.6	19.6
4 21	13 40.50	−12 37.0	1.492	2.496	1.5	19.5
5 1	13 32.07	−11 39.6	1.495	2.481	6.2	19.7
5 11	13 24.93	−10 46.6	1.523	2.466	10.7	19.9
5 21	13 19.88	−10 4.2	1.573	2.452	14.7	20.2

453789 2011 PH_{11} 4 17.7 255°.32 4°.7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 1.49	−38 55.8	4.838	5.470	8.5	21.1
3 22	13 57.73	−39 10.6	4.725	5.462	7.6	21.0
4 1	13 52.90	−39 13.4	4.632	5.453	6.5	20.9
4 11	13 47.34	−39 3.4	4.564	5.444	5.5	20.8
4 21	13 41.44	−38 40.9	4.520	5.435	4.8	20.8
5 1	13 35.66	−38 7.0	4.505	5.426	4.7	20.7
5 11	13 30.42	−37 23.9	4.516	5.417	5.3	20.8
5 21	13 26.07	−36 34.5	4.553	5.408	6.3	20.8

471604 2012 SV_{16} 4 17.7 304°.05 3°.5/19.9 16

3 12	14 9.54	−19 24.3	1.738	2.535	16.2	21.8
3 22	14 5.80	−19 48.1	1.614	2.496	13.3	21.5
4 1	13 59.22	−19 56.8	1.512	2.457	9.6	21.2
4 11	13 50.28	−19 49.0	1.433	2.418	5.7	20.9
4 21	13 39.86	−19 25.0	1.380	2.378	3.6	20.6
5 1	13 29.20	−18 48.2	1.353	2.339	6.7	20.7
5 11	13 19.70	−18 5.1	1.351	2.299	11.4	20.9
5 21	13 12.47	−17 23.2	1.372	2.259	15.9	21.0

64675 2001 XL_{67} 4 17.7 222°.03 0°.1/17.6 18

3 12	14 10.63	−13 34.0	1.828	2.639	15.0	19.8
3 22	14 5.96	−13 1.5	1.733	2.630	11.7	19.5
4 1	13 58.83	−12 14.5	1.660	2.620	7.7	19.2
4 11	13 49.92	−11 15.8	1.613	2.609	3.2	18.9
4 21	13 40.15	−10 10.5	1.594	2.598	1.6	18.8
5 1	13 30.64	− 9 5.5	1.603	2.585	6.4	19.1
5 11	13 22.47	− 8 7.8	1.639	2.572	10.8	19.3
5 21	13 16.40	− 7 23.0	1.697	2.559	14.6	19.5

472557 2015 DQ_{45} 4 17.7 135°.71 5°.3/12.1 17

3 12	14 7.06	+ 2 53.5	2.192	3.026	12.0	20.7
3 22	14 2.53	+ 4 5.3	2.128	3.035	9.3	20.6
4 1	13 56.20	+ 5 17.0	2.089	3.044	6.7	20.4
4 11	13 48.71	+ 6 22.2	2.078	3.052	5.3	20.3
4 21	13 40.80	+ 7 15.3	2.094	3.060	6.3	20.4
5 1	13 33.27	+ 7 51.5	2.137	3.067	8.7	20.6
5 11	13 26.86	+ 8 8.6	2.206	3.075	11.3	20.8
5 21	13 22.06	+ 8 6.5	2.295	3.081	13.8	20.9

349389 2007 XU_{2} 4 17.7 103°.74 3°.8/21.6 18

3 12	14 6.65	−24 19.4	2.347	3.109	13.6	21.0
3 22	14 2.42	−24 26.0	2.259	3.113	11.1	20.8
4 1	13 56.27	−24 16.4	2.192	3.117	8.3	20.6
4 11	13 48.79	−23 50.7	2.150	3.121	5.4	20.5
4 21	13 40.74	−23 10.7	2.135	3.125	3.8	20.4
5 1	13 32.98	−22 20.3	2.149	3.129	5.1	20.5
5 11	13 26.31	−21 25.1	2.189	3.133	7.9	20.6
5 21	13 21.32	−20 30.6	2.255	3.137	10.7	20.8

459052 2012 BE_{7} 4 17.7 6°.11 2°.3/16.2 17

3 12	14 5.67	− 8 7.1	1.218	2.075	18.2	20.9
3 22	14 2.92	− 7 36.0	1.152	2.075	13.9	20.6
4 1	13 57.17	− 6 52.9	1.105	2.076	8.9	20.3
4 11	13 49.28	− 6 3.7	1.080	2.078	3.8	20.0
4 21	13 40.49	− 5 16.1	1.080	2.080	3.7	20.0
5 1	13 32.26	− 4 38.4	1.103	2.084	8.7	20.3
5 11	13 25.85	− 4 16.9	1.149	2.089	13.7	20.6
5 21	13 22.09	− 4 14.7	1.214	2.094	18.0	20.9

264672 2001 XN_{222} 4 17.7 212°.63 0°.2/17.8 17

3 12	14 8.50	−13 6.1	1.872	2.687	14.6	21.0
3 22	14 4.18	−12 47.9	1.786	2.685	11.3	20.8
4 1	13 57.58	−12 17.5	1.723	2.683	7.4	20.6
4 11	13 49.38	−11 37.4	1.685	2.681	3.1	20.3
4 21	13 40.46	−10 52.0	1.675	2.678	1.5	20.2
5 1	13 31.87	−10 6.8	1.692	2.676	5.9	20.4
5 11	13 24.57	− 9 27.6	1.736	2.673	10.0	20.7
5 21	13 19.25	− 8 58.8	1.802	2.670	13.6	20.9

84592 2002 VP_{29} 4 17.7 202°.30 3°.0/20.9 18

3 12	14 5.79	−23 7.0	2.395	3.163	13.2	19.8
3 22	14 1.72	−22 50.6	2.300	3.161	10.6	19.6
4 1	13 55.81	−22 17.8	2.226	3.159	7.7	19.4
4 11	13 48.61	−21 29.1	2.178	3.157	4.7	19.2
4 21	13 40.85	−20 27.5	2.158	3.154	3.0	19.1
5 1	13 33.37	−19 17.6	2.167	3.151	4.7	19.2
5 11	13 26.92	−18 5.5	2.204	3.148	7.8	19.4
5 21	13 22.08	−16 56.9	2.266	3.145	10.8	19.5

239744 2009 WQ_{166} 4 17.7 344°.20 2°.9/15.2 18

3 12	14 6.46	− 5 15.1	1.843	2.680	13.9	19.9
3 22	14 2.55	− 4 32.7	1.765	2.678	10.5	19.6
4 1	13 56.47	− 3 43.5	1.710	2.677	6.8	19.4
4 11	13 48.91	− 2 52.7	1.682	2.676	3.5	19.2
4 21	13 40.71	− 2 6.2	1.680	2.674	3.9	19.2
5 1	13 32.87	− 1 29.6	1.705	2.674	7.5	19.4
5 11	13 26.29	− 1 7.2	1.756	2.673	11.2	19.7
5 21	13 21.60	− 1 1.2	1.828	2.672	14.5	19.9

276525 2003 RX_{25} 4 17.7 221°.42 1°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.51	−18 12.5	2.533	3.317	12.1	21.3
3 22	14 2.15	−17 36.6	2.429	3.307	9.5	21.1
4 1	13 56.04	−16 46.4	2.349	3.297	6.5	20.8
4 11	13 48.70	−15 44.1	2.295	3.286	3.2	20.6
4 21	13 40.81	−14 33.1	2.272	3.274	1.4	20.4
5 1	13 33.12	−13 18.5	2.278	3.262	4.5	20.6
5 11	13 26.38	−12 6.2	2.313	3.250	7.9	20.8
5 21	13 21.13	−11 1.2	2.373	3.236	10.9	21.0

40010 1998 HF_{122} 4 17.7 335°.27 6°.1/11.2 18

3 12	14 2.33	+ 2 33.9	1.909	2.759	12.9	17.7
3 22	13 59.34	+ 3 59.3	1.835	2.750	10.0	17.5
4 1	13 54.38	+ 5 26.7	1.784	2.742	7.4	17.3
4 11	13 48.06	+ 6 48.4	1.759	2.734	6.1	17.2
4 21	13 41.14	+ 7 56.6	1.761	2.727	7.3	17.2
5 1	13 34.53	+ 8 45.3	1.788	2.720	10.0	17.4
5 11	13 29.05	+ 9 11.0	1.839	2.713	13.0	17.6
5 21	13 25.27	+ 9 13.1	1.909	2.707	15.7	17.7

349346 2007 VG_{108} 4 17.7 232°.54 0°.9/16.8 17

3 12	14 7.17	− 9 35.3	2.499	3.310	11.5	21.6
3 22	14 2.63	− 9 11.0	2.401	3.300	8.8	21.4
4 1	13 56.35	− 8 39.1	2.327	3.289	5.6	21.2
4 11	13 48.84	− 8 2.2	2.281	3.277	2.3	20.9
4 21	13 40.76	− 7 24.0	2.264	3.266	1.8	20.9
5 1	13 32.86	− 6 48.5	2.276	3.253	5.2	21.1
5 11	13 25.88	− 6 19.6	2.316	3.241	8.5	21.3
5 21	13 20.37	− 6 0.2	2.381	3.228	11.5	21.4

19740 2000 AG_{138} 4 17.7 13°.58 4°.4/14.6 18

3 12	14 9.27	− 0 27.9	1.685	2.527	14.7	17.3
3 22	14 4.82	− 0 0.1	1.615	2.528	11.3	17.1
4 1	13 58.00	+ 0 29.2	1.567	2.530	7.6	16.8
4 11	13 49.54	+ 0 54.4	1.544	2.533	4.7	16.7
4 21	13 40.43	+ 1 10.1	1.547	2.535	5.3	16.7
5 1	13 31.76	+ 1 11.9	1.577	2.538	8.7	16.9
5 11	13 24.53	+ 0 57.4	1.631	2.541	12.3	17.1
5 21	13 19.41	+ 0 26.6	1.706	2.545	15.6	17.3

41633 2000 SR_{216} 4 17.7 80°.65 4°.7/14.6 18

3 12	14 11.45	− 1 39.2	1.454	2.299	16.4	18.9
3 22	14 6.77	− 0 56.8	1.391	2.307	12.6	18.7
4 1	13 59.36	− 0 10.9	1.349	2.314	8.4	18.5
4 11	13 50.11	+ 0 31.7	1.332	2.322	5.1	18.3
4 21	13 40.16	+ 1 3.9	1.341	2.330	5.8	18.3
5 1	13 30.82	+ 1 20.0	1.375	2.338	9.5	18.6
5 11	13 23.20	+ 1 16.9	1.433	2.346	13.5	18.8
5 21	13 18.02	+ 0 54.3	1.511	2.353	17.1	19.1

180769 2004 PE_{58} 4 17.7 293°.09 1°.6/19.3 18

3 12	14 4.86	−17 37.1	2.334	3.129	12.7	19.9
3 22	14 1.08	−17 27.1	2.234	3.118	10.0	19.7
4 1	13 55.45	−17 4.2	2.158	3.107	6.9	19.4
4 11	13 48.50	−16 29.8	2.107	3.097	3.5	19.2
4 21	13 40.93	−15 46.7	2.084	3.086	1.7	19.1
5 1	13 33.56	−14 59.1	2.090	3.076	4.7	19.2
5 11	13 27.16	−14 12.0	2.123	3.065	8.1	19.4
5 21	13 22.33	−13 30.3	2.180	3.055	11.3	19.6

153872 2001 XC_{90} 4 17.7 329°.87 6°.5/13.5 18

3 12	14 12.88	+ 5 4.9	1.664	2.501	15.1	19.6
3 22	14 7.66	+ 5 33.7	1.591	2.498	11.9	19.4
4 1	13 59.89	+ 5 58.7	1.541	2.495	8.7	19.2
4 11	13 50.34	+ 6 13.3	1.516	2.493	6.6	19.1
4 21	13 40.05	+ 6 11.9	1.517	2.490	7.3	19.1
5 1	13 30.22	+ 5 51.0	1.544	2.488	10.3	19.3
5 11	13 21.93	+ 5 9.9	1.594	2.486	13.7	19.5
5 21	13 15.90	+ 4 10.3	1.666	2.484	16.9	19.7

123854 2001 CB_{38} 4 17.7 321°.76 2°.0/18.1 18

3 12	14 24.48	− 9 0.6	1.512	2.320	17.8	18.2
3 22	14 18.26	−10 34.8	1.385	2.277	14.3	17.8
4 1	14 8.09	−12 14.6	1.279	2.235	9.9	17.4
4 11	13 54.28	−13 58.6	1.200	2.193	4.7	17.0
4 21	13 37.82	−15 42.9	1.150	2.152	2.7	16.8
5 1	13 20.45	−17 23.3	1.129	2.111	8.3	17.0
5 11	13 4.24	−18 57.7	1.136	2.071	14.3	17.2
5 21	12 50.95	−20 26.8	1.166	2.032	19.6	17.4

96441 1998 FL_{79} 4 17.7 315°.60 4°.4/14.3 18

3 12	14 5.68	− 4 44.2	1.399	2.253	16.4	19.2
3 22	14 2.67	− 3 35.8	1.322	2.244	12.6	18.9
4 1	13 56.94	− 2 16.9	1.266	2.235	8.3	18.6
4 11	13 49.22	− 0 55.4	1.234	2.227	4.7	18.4
4 21	13 40.60	+ 0 19.2	1.227	2.218	5.7	18.4
5 1	13 32.36	+ 1 17.7	1.245	2.210	10.0	18.6
5 11	13 25.70	+ 1 53.7	1.285	2.203	14.4	18.9
5 21	13 21.42	+ 2 4.6	1.345	2.196	18.3	19.1

272795 2005 YQ_{288} 4 17.7 241°.87 1°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.67	−18 16.4	2.275	3.059	13.3	21.4
3 22	14 4.90	−18 7.0	2.165	3.042	10.6	21.2
4 1	13 58.03	−17 43.6	2.078	3.024	7.4	20.9
4 11	13 49.61	−17 7.1	2.017	3.005	3.8	20.7
4 21	13 40.39	−16 20.0	1.984	2.986	2.0	20.5
5 1	13 31.31	−15 26.8	1.981	2.966	5.0	20.7
5 11	13 23.27	−14 33.0	2.005	2.945	8.8	20.9
5 21	13 16.95	−13 44.3	2.055	2.923	12.2	21.0

405310 2003 UB_{62} 4 17.7 189°.42 3°.7/14.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.46	− 2 46.5	1.871	2.700	14.0	21.5
3 22	14 6.34	− 2 3.5	1.791	2.700	10.7	21.3
4 1	13 58.93	− 1 15.8	1.736	2.698	7.1	21.1
4 11	13 49.94	− 0 29.0	1.706	2.697	4.1	20.9
4 21	13 40.28	+ 0 11.2	1.705	2.695	4.7	20.9
5 1	13 30.99	+ 0 39.2	1.731	2.692	8.1	21.1
5 11	13 23.04	+ 0 51.6	1.783	2.688	11.7	21.3
5 21	13 17.09	+ 0 46.9	1.856	2.684	15.0	21.5

322414 2011 SM_{87} 4 17.7 210°.06 2°.2/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.92	−19 11.2	2.742	3.515	11.5	21.5
3 22	14 3.12	−19 19.0	2.642	3.511	9.2	21.4
4 1	13 56.64	−19 15.8	2.566	3.506	6.5	21.2
4 11	13 48.97	−19 2.0	2.517	3.500	3.7	21.0
4 21	13 40.75	−18 39.4	2.496	3.495	2.2	20.9
5 1	13 32.70	−18 10.6	2.506	3.489	4.3	21.0
5 11	13 25.53	−17 39.7	2.543	3.483	7.1	21.2
5 21	13 19.78	−17 10.4	2.606	3.476	9.9	21.3

105996 2000 SZ_{280} 4 17.7 129°.63 5°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.90	−30 52.4	1.213	1.989	23.0	19.8
3 22	14 7.31	−30 1.1	1.138	1.998	19.2	19.6
4 1	14 0.17	−28 27.2	1.079	2.007	14.5	19.3
4 11	13 50.55	−26 10.5	1.042	2.015	9.5	19.0
4 21	13 40.02	−23 18.1	1.028	2.022	6.0	18.9
5 1	13 30.34	−20 6.4	1.041	2.029	7.8	19.0
5 11	13 23.00	−16 56.2	1.079	2.036	12.6	19.3
5 21	13 18.78	−14 5.5	1.140	2.042	17.4	19.5

298325 2003 FB_{38} 4 17.7 70°.02 1°.9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.59	−17 18.6	2.226	3.017	13.3	20.9
3 22	14 3.84	−17 28.7	2.150	3.030	10.5	20.7
4 1	13 57.17	−17 27.0	2.096	3.043	7.2	20.6
4 11	13 49.18	−17 14.3	2.069	3.057	3.8	20.4
4 21	13 40.68	−16 53.1	2.069	3.070	2.0	20.3
5 1	13 32.54	−16 26.8	2.098	3.084	4.8	20.5
5 11	13 25.56	−16 0.0	2.155	3.097	8.1	20.7
5 21	13 20.30	−15 36.7	2.236	3.110	11.1	20.9

330686 2008 HF_{61} 4 17.7 41°.47 4°.3/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.39	− 5 51.6	1.514	2.364	15.6	20.5
3 22	14 1.29	− 4 14.4	1.450	2.370	11.8	20.3
4 1	13 55.79	− 2 26.1	1.408	2.377	7.7	20.1
4 11	13 48.67	− 0 36.0	1.393	2.384	4.5	19.9
4 21	13 40.95	+ 1 5.7	1.403	2.392	5.6	20.0
5 1	13 33.74	+ 2 29.6	1.440	2.400	9.4	20.2
5 11	13 28.03	+ 3 29.3	1.499	2.408	13.4	20.5
5 21	13 24.42	+ 4 2.9	1.579	2.416	16.8	20.7

77196 2001 FT_{16} 4 17.7 239°.64 1°.7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.24	− 8 49.4	1.838	2.663	14.4	19.9
3 22	14 4.85	− 8 12.1	1.746	2.653	11.0	19.6
4 1	13 58.11	− 7 24.4	1.677	2.642	7.1	19.4
4 11	13 49.67	− 6 30.5	1.634	2.630	3.0	19.1
4 21	13 40.42	− 5 35.9	1.618	2.618	2.8	19.0
5 1	13 31.42	− 4 46.9	1.631	2.606	7.0	19.3
5 11	13 23.70	− 4 9.3	1.668	2.593	11.2	19.5
5 21	13 17.99	− 3 46.8	1.728	2.580	14.9	19.7

514084 2014 UR_{225} 4 17.7 225°.71 1°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 59.31	− 4 14.3	4.494	5.310	6.7	21.4
3 22	13 55.91	− 3 52.1	4.405	5.308	5.0	21.3
4 1	13 51.66	− 3 28.0	4.343	5.306	3.2	21.1
4 11	13 46.87	− 3 3.8	4.311	5.303	1.6	21.0
4 21	13 41.84	− 2 41.4	4.308	5.301	1.8	21.0
5 1	13 36.94	− 2 22.7	4.335	5.299	3.5	21.1
5 11	13 32.49	− 2 9.3	4.391	5.297	5.3	21.3
5 21	13 28.77	− 2 2.3	4.472	5.294	7.0	21.4

507181 2010 JK_{86} 4 17.7 276°.22 9°.3/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.18	+18 9.1	2.396	3.213	11.7	20.9
3 22	14 1.21	+19 42.8	2.330	3.199	10.3	20.8
4 1	13 55.47	+21 7.3	2.288	3.185	9.4	20.7
4 11	13 48.52	+22 15.0	2.271	3.170	9.5	20.7
4 21	13 41.03	+23 0.2	2.279	3.155	10.5	20.8
5 1	13 33.80	+23 19.2	2.310	3.141	12.2	20.8
5 11	13 27.57	+23 11.7	2.362	3.126	14.0	20.9
5 21	13 22.86	+22 39.4	2.432	3.111	15.7	21.1

332391 2007 HK_{22} 4 17.7 239°.30 1°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.23	− 9 33.9	2.011	2.834	13.4	21.4
3 22	14 3.07	− 8 58.4	1.922	2.827	10.3	21.1
4 1	13 56.83	− 8 13.0	1.856	2.820	6.6	20.9
4 11	13 49.11	− 7 21.5	1.817	2.813	2.7	20.6
4 21	13 40.74	− 6 29.0	1.805	2.806	2.3	20.6
5 1	13 32.64	− 5 40.9	1.822	2.799	6.3	20.8
5 11	13 25.69	− 5 2.6	1.865	2.791	10.1	21.0
5 21	13 20.53	− 4 37.6	1.930	2.783	13.5	21.2

509459 2007 LF_{33} 4 17.7 237°.99 6°.3/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.43	−38 8.3	3.279	3.934	11.9	21.3
3 22	14 1.26	−38 27.3	3.172	3.928	10.5	21.1
4 1	13 55.45	−38 29.2	3.086	3.923	9.0	21.0
4 11	13 48.50	−38 12.5	3.022	3.917	7.5	20.9
4 21	13 41.04	−37 37.1	2.983	3.912	6.5	20.8
5 1	13 33.77	−36 44.8	2.972	3.906	6.4	20.8
5 11	13 27.37	−35 39.7	2.987	3.900	7.3	20.9
5 21	13 22.35	−34 26.8	3.028	3.894	8.8	21.0

89408 2001 WN_{10} 4 17.7 352°.27 1°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.29	−17 15.7	1.375	2.208	17.9	18.8
3 22	14 0.20	−16 41.5	1.296	2.203	14.0	18.6
4 1	13 55.40	−15 45.1	1.237	2.199	9.5	18.3
4 11	13 48.63	−14 29.7	1.201	2.195	4.4	18.0
4 21	13 40.98	−13 2.3	1.189	2.192	1.7	17.8
5 1	13 33.75	−11 32.5	1.202	2.191	6.8	18.1
5 11	13 28.12	−10 10.9	1.239	2.190	11.8	18.4
5 21	13 24.88	− 9 5.4	1.296	2.190	16.2	18.6

83950 2001 WV_{69} 4 17.7 347°.51 0°.6/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.52	−10 59.3	1.782	2.613	14.5	19.0
3 22	14 1.26	−10 41.0	1.698	2.607	11.2	18.7
4 1	13 55.78	−10 11.7	1.636	2.601	7.2	18.5
4 11	13 48.72	− 9 34.9	1.599	2.596	2.9	18.2
4 21	13 40.94	− 8 55.1	1.589	2.592	1.8	18.1
5 1	13 33.47	− 8 17.8	1.605	2.588	6.2	18.4
5 11	13 27.25	− 7 48.5	1.647	2.585	10.4	18.6
5 21	13 22.96	− 7 31.0	1.710	2.583	14.0	18.8

39588 1993 FZ_{37} 4 17.7 57°.11 1°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.33	− 9 34.1	1.822	2.652	14.3	19.1
3 22	14 2.48	− 8 51.4	1.746	2.655	10.9	18.9
4 1	13 56.46	− 7 58.0	1.693	2.659	7.0	18.7
4 11	13 48.96	− 6 58.5	1.666	2.662	2.9	18.4
4 21	13 40.85	− 5 59.0	1.666	2.666	2.6	18.4
5 1	13 33.14	− 5 5.7	1.693	2.670	6.7	18.7
5 11	13 26.72	− 4 24.2	1.746	2.674	10.6	18.9
5 21	13 22.21	− 3 57.9	1.821	2.677	14.0	19.1

20239 1998 DT_{12} 4 17.7 248°.08 1°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.09	−17 1.8	1.767	2.569	15.8	19.8
3 22	14 6.58	−17 0.0	1.667	2.555	12.6	19.6
4 1	13 59.44	−16 42.5	1.588	2.540	8.7	19.3
4 11	13 50.30	−16 10.3	1.534	2.525	4.4	19.0
4 21	13 40.14	−15 26.1	1.507	2.510	2.1	18.8
5 1	13 30.15	−14 35.6	1.508	2.494	6.1	19.1
5 11	13 21.53	−13 45.7	1.534	2.478	10.6	19.3
5 21	13 15.14	−13 3.0	1.584	2.461	14.7	19.5

507067 2008 WL_{107} 4 17.7 234°.71 0°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.07	−15 5.2	2.286	3.086	12.7	22.4
3 22	14 2.79	−14 38.2	2.185	3.075	9.9	22.2
4 1	13 56.59	−13 58.6	2.108	3.064	6.6	22.0
4 11	13 49.02	−13 8.6	2.058	3.052	2.9	21.7
4 21	13 40.80	−12 11.9	2.037	3.040	1.2	21.5
5 1	13 32.79	−11 13.7	2.044	3.028	5.0	21.8
5 11	13 25.80	−10 19.4	2.079	3.015	8.7	22.0
5 21	13 20.44	− 9 33.7	2.139	3.002	12.0	22.2

83442 2001 ST_{56} 4 17.7 208°.77 1°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.10	− 7 2.0	2.456	3.272	11.5	20.1
3 22	14 3.31	− 6 45.9	2.368	3.269	8.8	19.9
4 1	13 56.79	− 6 24.4	2.303	3.266	5.6	19.7
4 11	13 49.06	− 6 0.5	2.266	3.262	2.4	19.5
4 21	13 40.80	− 5 37.4	2.259	3.258	2.2	19.5
5 1	13 32.78	− 5 18.7	2.280	3.254	5.4	19.7
5 11	13 25.72	− 5 7.4	2.329	3.250	8.7	19.9
5 21	13 20.17	− 5 5.7	2.402	3.245	11.5	20.1

467073 2016 DF_{20} 4 17.7 319°.69 1°.4/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.92	−10 56.7	1.415	2.257	17.0	21.1
3 22	14 2.92	−10 15.8	1.333	2.248	13.1	20.8
4 1	13 57.16	− 9 19.4	1.272	2.240	8.4	20.6
4 11	13 49.37	− 8 12.5	1.234	2.231	3.4	20.2
4 21	13 40.63	− 7 2.3	1.222	2.224	2.7	20.2
5 1	13 32.26	− 5 57.8	1.235	2.217	7.9	20.4
5 11	13 25.47	− 5 7.0	1.272	2.210	12.8	20.7
5 21	13 21.09	− 4 35.1	1.328	2.203	17.1	20.9

93711 2000 VX_{33} 4 17.7 118°.11 0°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.38	−14 32.8	2.122	2.926	13.5	20.0
3 22	14 3.70	−14 4.9	2.047	2.939	10.4	19.9
4 1	13 57.08	−13 24.8	1.996	2.953	6.8	19.7
4 11	13 49.17	−12 35.2	1.971	2.965	2.9	19.4
4 21	13 40.78	−11 40.6	1.974	2.978	1.2	19.3
5 1	13 32.79	−10 46.3	2.006	2.990	5.1	19.6
5 11	13 26.01	− 9 57.5	2.066	3.001	8.8	19.9
5 21	13 20.98	− 9 18.4	2.149	3.012	11.9	20.1

466801 2015 BZ_{72} 4 17.7 296°.11 3°.6/20.1 17

3 12	14 9.63	−19 32.0	1.700	2.499	16.5	21.0
3 22	14 5.73	−19 58.7	1.595	2.477	13.4	20.8
4 1	13 59.07	−20 10.0	1.511	2.456	9.7	20.5
4 11	13 50.23	−20 4.7	1.451	2.435	5.7	20.2
4 21	13 40.17	−19 43.8	1.416	2.414	3.6	20.0
5 1	13 30.16	−19 11.0	1.408	2.393	6.5	20.1
5 11	13 21.51	−18 32.9	1.425	2.373	10.9	20.3
5 21	13 15.17	−17 56.5	1.464	2.352	15.0	20.5

498714 2008 TW_{92} 4 17.7 258°.61 1°.5/18.8 17

3 12	14 12.45	−14 33.8	2.037	2.835	14.2	21.5
3 22	14 7.25	−14 56.0	1.936	2.823	11.2	21.3
4 1	13 59.70	−15 8.3	1.859	2.811	7.6	21.0
4 11	13 50.37	−15 11.3	1.807	2.799	3.7	20.8
4 21	13 40.14	−15 6.4	1.784	2.786	1.8	20.6
5 1	13 30.06	−14 56.7	1.789	2.774	5.5	20.8
5 11	13 21.16	−14 46.4	1.821	2.761	9.5	21.0
5 21	13 14.23	−14 39.7	1.878	2.748	13.1	21.2

455232 2001 SX_{125} 4 17.7 172°.10 1°.2/16.7 16

3 12	14 11.20	−11 2.1	1.867	2.682	14.6	22.0
3 22	14 6.17	−10 13.0	1.786	2.687	11.2	21.8
4 1	13 58.85	− 9 11.3	1.728	2.690	7.2	21.6
4 11	13 49.95	− 8 1.6	1.697	2.693	2.9	21.3
4 21	13 40.40	− 6 50.1	1.694	2.695	2.3	21.3
5 1	13 31.26	− 5 43.6	1.719	2.696	6.6	21.5
5 11	13 23.50	− 4 48.6	1.771	2.696	10.7	21.8
5 21	13 17.75	− 4 9.0	1.846	2.695	14.2	22.0

237691 2001 TG_{202} 4 17.7 164°.37 3°.0/15.3 18

3 12	14 13.10	− 4 56.1	1.941	2.762	13.9	21.3
3 22	14 7.46	− 4 11.5	1.865	2.770	10.6	21.1
4 1	13 59.60	− 3 20.7	1.813	2.776	6.9	20.9
4 11	13 50.23	− 2 28.8	1.788	2.781	3.5	20.7
4 21	13 40.27	− 1 41.4	1.792	2.786	3.9	20.8
5 1	13 30.75	− 1 4.0	1.825	2.789	7.4	21.0
5 11	13 22.58	− 0 40.7	1.883	2.792	11.0	21.2
5 21	13 16.39	− 0 33.3	1.965	2.794	14.2	21.4

387177 2012 TY_{262} 4 17.7 136°.70 1°.4/16.5 17

3 12	14 6.55	− 8 49.1	2.120	2.943	12.8	21.7
3 22	14 2.37	− 8 18.6	2.039	2.944	9.8	21.5
4 1	13 56.29	− 7 40.0	1.981	2.945	6.2	21.3
4 11	13 48.88	− 6 56.8	1.949	2.946	2.6	21.1
4 21	13 40.93	− 6 13.7	1.946	2.946	2.3	21.1
5 1	13 33.28	− 5 35.3	1.971	2.947	5.9	21.3
5 11	13 26.75	− 5 6.1	2.022	2.948	9.5	21.5
5 21	13 21.90	− 4 48.9	2.097	2.949	12.6	21.7

507823 2014 DD_{126} 4 17.7 181°.30 3°.5/21.2 18

3 12	14 8.28	−23 6.3	2.509	3.269	12.8	21.5
3 22	14 3.60	−23 21.4	2.414	3.269	10.5	21.4
4 1	13 57.07	−23 22.4	2.342	3.269	7.7	21.2
4 11	13 49.21	−23 9.3	2.296	3.269	5.0	21.0
4 21	13 40.76	−22 43.4	2.278	3.269	3.5	20.9
5 1	13 32.53	−22 7.6	2.288	3.269	4.9	21.0
5 11	13 25.32	−21 26.8	2.327	3.268	7.6	21.2
5 21	13 19.70	−20 45.7	2.390	3.267	10.4	21.3

382254 2012 TV_{26} 4 17.7 277°.16 1°.7/16.3 18

3 12	14 8.14	− 7 5.9	2.039	2.864	13.2	20.2
3 22	14 3.69	− 6 46.0	1.956	2.862	10.0	20.0
4 1	13 57.20	− 6 19.5	1.896	2.860	6.5	19.8
4 11	13 49.28	− 5 50.0	1.862	2.858	2.8	19.5
4 21	13 40.74	− 5 21.7	1.857	2.856	2.6	19.5
5 1	13 32.50	− 4 59.0	1.879	2.854	6.3	19.7
5 11	13 25.43	− 4 45.7	1.928	2.852	10.0	19.9
5 21	13 20.13	− 4 44.1	1.999	2.850	13.2	20.1

436703 2011 TQ_{4} 4 17.7 228°.67 2°.9/14.1 18

3 12	14 4.39	− 3 52.1	2.600	3.426	10.6	21.4
3 22	14 0.41	− 2 51.0	2.510	3.417	8.1	21.2
4 1	13 54.89	− 1 44.7	2.446	3.408	5.3	21.0
4 11	13 48.29	− 0 37.6	2.409	3.399	3.1	20.9
4 21	13 41.22	+ 0 25.3	2.402	3.390	3.8	20.9
5 1	13 34.36	+ 1 19.2	2.424	3.380	6.4	21.1
5 11	13 28.34	+ 2 0.4	2.473	3.370	9.2	21.2
5 21	13 23.66	+ 2 26.8	2.545	3.359	11.8	21.4

149213 2002 QN_{71} 4 17.7 310°.01 0°.5/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.85	−13 41.9	1.481	2.310	17.0	20.9
3 22	14 4.39	−13 30.4	1.394	2.300	13.3	20.6
4 1	13 58.14	−13 3.5	1.329	2.291	8.8	20.3
4 11	13 49.80	−12 23.8	1.287	2.282	3.8	20.0
4 21	13 40.45	−11 36.1	1.270	2.274	1.7	19.8
5 1	13 31.41	−10 47.2	1.279	2.265	6.9	20.1
5 11	13 23.94	−10 4.9	1.312	2.257	11.9	20.4
5 21	13 18.89	− 9 34.9	1.366	2.250	16.2	20.6

478087 2011 UB_{41} 4 17.7 243°.88 0°.1/17.7 16

3 12	14 5.85	−12 39.4	2.653	3.455	11.1	22.8
3 22	14 1.60	−12 14.4	2.549	3.441	8.6	22.6
4 1	13 55.70	−11 40.1	2.469	3.427	5.6	22.4
4 11	13 48.65	−10 58.8	2.417	3.413	2.3	22.1
4 21	13 41.04	−10 13.5	2.395	3.398	1.2	22.0
5 1	13 33.59	− 9 28.5	2.401	3.383	4.6	22.2
5 11	13 26.98	− 8 47.9	2.436	3.367	7.9	22.4
5 21	13 21.74	− 8 15.2	2.496	3.351	10.8	22.6

518910 2010 FR_{116} 4 17.7 13°.34 4°.0/20.9 17

3 12	14 5.03	−21 48.7	1.496	2.303	18.0	20.1
3 22	14 2.16	−22 0.4	1.422	2.307	14.5	19.9
4 1	13 56.60	−21 50.7	1.367	2.311	10.5	19.7
4 11	13 49.12	−21 20.1	1.334	2.317	6.4	19.4
4 21	13 40.82	−20 31.5	1.326	2.323	4.0	19.3
5 1	13 32.98	−19 31.4	1.343	2.330	6.5	19.5
5 11	13 26.75	−18 28.5	1.384	2.338	10.5	19.7
5 21	13 22.89	−17 30.9	1.447	2.347	14.4	20.0

466312 2013 QJ_{64} 4 17.7 280°.66 4°.8/20.9 17

3 12	14 10.85	−22 45.5	1.723	2.506	16.9	21.7
3 22	14 6.77	−23 14.5	1.614	2.483	14.0	21.4
4 1	13 59.82	−23 25.7	1.525	2.459	10.5	21.1
4 11	13 50.58	−23 16.9	1.459	2.435	6.8	20.9
4 21	13 40.03	−22 48.1	1.418	2.411	4.8	20.7
5 1	13 29.48	−22 2.8	1.404	2.387	7.0	20.7
5 11	13 20.28	−21 8.4	1.415	2.362	11.0	20.9
5 21	13 13.48	−20 13.1	1.449	2.337	15.1	21.1

489015 2005 WY_{8} 4 17.7 204°.32 0°.1/17.8 17

3 12	14 9.13	−13 21.6	2.390	3.189	12.3	22.9
3 22	14 4.23	−12 55.3	2.293	3.183	9.5	22.7
4 1	13 57.46	−12 18.1	2.220	3.177	6.2	22.5
4 11	13 49.38	−11 32.6	2.175	3.170	2.6	22.3
4 21	13 40.71	−10 42.4	2.159	3.163	1.2	22.1
5 1	13 32.27	− 9 52.2	2.173	3.154	5.0	22.4
5 11	13 24.84	− 9 6.8	2.215	3.145	8.5	22.6
5 21	13 19.00	− 8 30.1	2.281	3.136	11.6	22.8

384213 2009 CY_{31} 4 17.7 76°.41 2°.5/15.3 17

3 12	14 5.76	− 6 0.2	2.120	2.949	12.6	21.7
3 22	14 1.67	− 5 13.5	2.051	2.960	9.5	21.5
4 1	13 55.76	− 4 20.5	2.006	2.971	6.1	21.4
4 11	13 48.65	− 3 26.1	1.988	2.982	3.0	21.2
4 21	13 41.10	− 2 35.4	1.998	2.993	3.3	21.2
5 1	13 33.94	− 1 53.3	2.037	3.004	6.5	21.4
5 11	13 27.90	− 1 23.7	2.101	3.015	9.8	21.6
5 21	13 23.49	− 1 8.6	2.188	3.026	12.7	21.9

477795 2011 CZ_{33} 4 17.7 83°.56 1°.6/15.6 18

3 12	14 2.84	− 6 5.5	3.077	3.895	9.3	21.6
3 22	13 58.90	− 5 31.4	3.006	3.909	7.0	21.5
4 1	13 53.73	− 4 53.3	2.960	3.924	4.5	21.3
4 11	13 47.77	− 4 14.2	2.944	3.938	2.1	21.2
4 21	13 41.53	− 3 37.2	2.956	3.952	2.3	21.2
5 1	13 35.54	− 3 5.5	2.998	3.966	4.7	21.4
5 11	13 30.30	− 2 41.5	3.068	3.980	7.1	21.6
5 21	13 26.17	− 2 26.9	3.162	3.994	9.3	21.7

249459 2009 HT_{81} 4 17.7 290°.57 0°.8/18.5 16

3 12	14 4.46	−15 33.2	2.318	3.121	12.5	20.9
3 22	14 0.82	−15 11.4	2.216	3.107	9.8	20.7
4 1	13 55.34	−14 37.2	2.137	3.093	6.5	20.5
4 11	13 48.56	−13 52.7	2.085	3.078	3.0	20.2
4 21	13 41.14	−13 1.1	2.061	3.064	1.2	20.1
5 1	13 33.90	−12 7.3	2.065	3.050	4.8	20.3
5 11	13 27.62	−11 16.6	2.096	3.036	8.4	20.5
5 21	13 22.88	−10 33.4	2.152	3.022	11.6	20.7

322486 2011 UA_{252} 4 17.7 325°.21 5°.6/14.2 18

3 12	14 10.82	− 0 0.4	1.384	2.235	16.8	20.3
3 22	14 6.62	+ 0 43.3	1.313	2.231	13.0	20.1
4 1	13 59.53	+ 1 29.6	1.263	2.228	8.9	19.8
4 11	13 50.36	+ 2 10.8	1.237	2.225	5.9	19.7
4 21	13 40.29	+ 2 39.3	1.236	2.222	6.7	19.7
5 1	13 30.71	+ 2 48.9	1.259	2.219	10.5	19.9
5 11	13 22.87	+ 2 36.4	1.305	2.216	14.7	20.1
5 21	13 17.56	+ 2 2.3	1.370	2.214	18.5	20.4

491764 2012 VV_{107} 4 17.7 100°.25 4°.1/13.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.88	+ 2 36.1	2.509	3.331	11.1	21.9
3 22	14 4.42	+ 3 3.1	2.447	3.348	8.5	21.8
4 1	13 57.35	+ 3 28.8	2.410	3.365	5.9	21.6
4 11	13 49.27	+ 3 49.0	2.401	3.381	4.2	21.5
4 21	13 40.86	+ 4 0.4	2.421	3.397	4.8	21.6
5 1	13 32.84	+ 4 0.4	2.470	3.413	7.0	21.7
5 11	13 25.87	+ 3 47.7	2.545	3.429	9.5	21.9
5 21	13 20.40	+ 3 22.4	2.644	3.444	11.8	22.1

192937 2000 AS_{170} 4 17.7 168°.62 3°.3/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.25	− 1 17.6	2.740	3.561	10.3	21.4
3 22	14 2.41	− 0 22.4	2.663	3.566	7.8	21.2
4 1	13 56.09	+ 0 35.3	2.612	3.571	5.3	21.1
4 11	13 48.78	+ 1 31.1	2.589	3.575	3.4	21.0
4 21	13 41.08	+ 2 20.8	2.597	3.578	4.1	21.0
5 1	13 33.67	+ 3 0.3	2.633	3.581	6.4	21.2
5 11	13 27.13	+ 3 27.0	2.697	3.582	9.0	21.3
5 21	13 21.92	+ 3 39.6	2.784	3.584	11.3	21.5

70876 1999 VE_{160} 4 17.7 82°.12 0°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.03	−13 17.2	1.593	2.409	16.6	19.3
3 22	14 7.74	−13 5.5	1.533	2.432	12.8	19.1
4 1	13 59.89	−12 40.6	1.496	2.456	8.3	18.9
4 11	13 50.38	−12 5.5	1.483	2.479	3.5	18.7
4 21	13 40.34	−11 25.1	1.498	2.501	1.5	18.6
5 1	13 30.97	−10 45.5	1.539	2.524	6.3	18.9
5 11	13 23.31	−10 12.5	1.606	2.546	10.5	19.2
5 21	13 17.98	− 9 50.4	1.696	2.567	14.2	19.5

349552 2008 SD_{126} 4 17.7 235°.76 0°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.61	−14 12.8	2.340	3.138	12.5	22.2
3 22	14 3.97	−13 56.6	2.236	3.125	9.8	22.0
4 1	13 57.39	−13 29.4	2.157	3.112	6.5	21.7
4 11	13 49.41	−12 52.9	2.104	3.098	2.8	21.5
4 21	13 40.75	−12 10.5	2.080	3.084	1.2	21.3
5 1	13 32.25	−11 26.3	2.085	3.069	5.0	21.6
5 11	13 24.75	−10 45.4	2.118	3.053	8.6	21.7
5 21	13 18.87	−10 12.0	2.176	3.037	11.9	21.9

398794 2013 AO_{141} 4 17.7 119°.99 1°.1/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.66	−18 9.4	2.484	3.275	12.1	21.4
3 22	13 59.97	−17 28.3	2.395	3.278	9.5	21.2
4 1	13 54.65	−16 33.2	2.330	3.280	6.4	21.0
4 11	13 48.22	−15 26.6	2.291	3.282	3.1	20.8
4 21	13 41.35	−14 12.6	2.282	3.285	1.3	20.7
5 1	13 34.76	−12 56.5	2.301	3.287	4.4	20.9
5 11	13 29.12	−11 43.9	2.349	3.289	7.6	21.1
5 21	13 24.92	−10 39.7	2.423	3.291	10.6	21.3

219594 2001 TC_{35} 4 17.7 137°.98 0°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.21	−10 21.7	2.123	2.928	13.4	20.9
3 22	14 7.42	−10 21.0	2.045	2.939	10.3	20.8
4 1	13 59.54	−10 12.6	1.990	2.949	6.7	20.5
4 11	13 50.24	− 9 58.6	1.963	2.959	2.7	20.3
4 21	13 40.38	− 9 42.0	1.965	2.968	1.5	20.2
5 1	13 30.90	− 9 26.5	1.996	2.977	5.5	20.5
5 11	13 22.68	− 9 15.7	2.055	2.985	9.1	20.7
5 21	13 16.33	− 9 12.5	2.138	2.992	12.3	21.0

216195 2006 UD_{5} 4 17.7 84°.86 1°.2/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.98	−18 21.9	2.376	3.167	12.6	20.5
3 22	14 0.94	−17 39.8	2.302	3.184	9.8	20.4
4 1	13 55.22	−16 43.5	2.251	3.201	6.6	20.2
4 11	13 48.43	−15 36.0	2.226	3.217	3.2	20.0
4 21	13 41.27	−14 21.5	2.231	3.234	1.3	19.9
5 1	13 34.48	−13 5.6	2.265	3.251	4.4	20.1
5 11	13 28.75	−11 54.2	2.327	3.267	7.7	20.4
5 21	13 24.54	−10 51.7	2.415	3.283	10.6	20.6

438186 2005 UE_{10} 4 17.7 266°.94 2°.1/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.73	− 4 33.5	2.601	3.417	10.9	21.3
3 22	14 3.85	− 4 17.0	2.494	3.396	8.4	21.1
4 1	13 57.22	− 3 56.7	2.412	3.374	5.5	20.9
4 11	13 49.33	− 3 35.6	2.358	3.352	2.7	20.7
4 21	13 40.79	− 3 17.0	2.333	3.329	2.8	20.6
5 1	13 32.37	− 3 4.1	2.338	3.306	5.8	20.8
5 11	13 24.78	− 2 59.9	2.371	3.283	8.9	21.0
5 21	13 18.61	− 3 6.0	2.428	3.259	11.8	21.1

150977 2001 TY_{212} 4 17.7 135°.19 3°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.72	−19 44.8	1.855	2.637	15.9	20.2
3 22	14 9.20	−20 29.6	1.769	2.640	12.9	20.0
4 1	14 1.06	−21 0.7	1.705	2.643	9.3	19.8
4 11	13 50.98	−21 16.8	1.665	2.646	5.7	19.6
4 21	13 39.99	−21 18.0	1.653	2.648	3.8	19.5
5 1	13 29.30	−21 7.3	1.669	2.651	6.2	19.6
5 11	13 20.08	−20 49.9	1.712	2.654	9.8	19.8
5 21	13 13.12	−20 31.4	1.778	2.656	13.3	20.0

153097 2000 SQ_{3} 4 17.7 261°.79 1°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.83	− 7 9.5	1.894	2.714	14.2	19.9
3 22	14 7.61	− 7 12.0	1.800	2.703	11.0	19.6
4 1	13 59.96	− 7 8.9	1.729	2.692	7.1	19.4
4 11	13 50.53	− 7 2.8	1.684	2.680	3.0	19.1
4 21	13 40.21	− 6 57.0	1.667	2.669	2.3	19.0
5 1	13 30.11	− 6 55.2	1.679	2.657	6.6	19.2
5 11	13 21.28	− 7 0.8	1.717	2.645	10.7	19.5
5 21	13 14.50	− 7 16.2	1.778	2.633	14.4	19.7

125170 2001 UV_{105} 4 17.7 1°.45 3°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.43	− 4 17.3	1.184	2.041	18.6	19.3
3 22	14 6.76	− 3 58.9	1.117	2.040	14.3	19.0
4 1	13 59.83	− 3 34.1	1.069	2.039	9.4	18.7
4 11	13 50.54	− 3 9.1	1.044	2.039	4.6	18.4
4 21	13 40.23	− 2 50.7	1.042	2.040	4.8	18.4
5 1	13 30.47	− 2 45.4	1.064	2.041	9.6	18.7
5 11	13 22.71	− 2 57.3	1.108	2.043	14.6	19.0
5 21	13 17.81	− 3 27.4	1.171	2.046	19.0	19.3

431900 2008 SZ_{305} 4 17.7 198°.09 1°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.45	− 9 26.1	2.459	3.268	11.7	22.4
3 22	14 3.62	− 8 59.6	2.367	3.265	8.9	22.2
4 1	13 57.03	− 8 25.4	2.300	3.262	5.7	22.0
4 11	13 49.22	− 7 46.6	2.261	3.257	2.3	21.8
4 21	13 40.88	− 7 6.7	2.251	3.253	1.8	21.7
5 1	13 32.77	− 6 30.1	2.271	3.247	5.3	22.0
5 11	13 25.64	− 6 0.5	2.318	3.242	8.6	22.2
5 21	13 20.02	− 5 40.7	2.390	3.235	11.5	22.3

503647 2016 GE_{190} 4 17.7 243°.62 2°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.98	− 7 40.6	2.123	2.947	12.7	21.8
3 22	14 2.83	− 6 49.7	2.028	2.935	9.7	21.6
4 1	13 56.70	− 5 49.6	1.957	2.922	6.3	21.4
4 11	13 49.14	− 4 44.7	1.913	2.908	2.9	21.1
4 21	13 40.91	− 3 40.5	1.898	2.895	3.1	21.1
5 1	13 32.91	− 2 43.2	1.911	2.881	6.7	21.3
5 11	13 25.96	− 1 57.9	1.950	2.866	10.3	21.5
5 21	13 20.70	− 1 27.8	2.012	2.851	13.6	21.7

284433 2007 DU_{52} 4 17.7 296°.55 2°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.78	−22 1.7	4.224	4.978	8.1	20.4
3 22	13 57.24	−22 5.4	4.112	4.964	6.5	20.2
4 1	13 52.67	−22 0.8	4.024	4.951	4.8	20.1
4 11	13 47.39	−21 48.3	3.964	4.938	3.0	20.0
4 21	13 41.78	−21 29.0	3.933	4.925	2.1	19.9
5 1	13 36.25	−21 4.5	3.931	4.912	3.0	19.9
5 11	13 31.23	−20 37.3	3.959	4.899	4.8	20.0
5 21	13 27.04	−20 9.8	4.013	4.886	6.6	20.2

233761 2008 TE_{67} 4 17.7 345°.05 1°.4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.66	− 9 19.1	1.895	2.722	13.9	20.9
3 22	14 2.72	− 8 45.3	1.814	2.722	10.6	20.6
4 1	13 56.66	− 8 1.7	1.756	2.721	6.8	20.4
4 11	13 49.12	− 7 12.5	1.724	2.720	2.8	20.1
4 21	13 40.94	− 6 22.8	1.719	2.720	2.4	20.1
5 1	13 33.11	− 5 38.4	1.742	2.719	6.4	20.4
5 11	13 26.50	− 5 4.3	1.790	2.719	10.3	20.6
5 21	13 21.75	− 4 43.8	1.861	2.719	13.7	20.8

192362 1995 VC_{18} 4 17.7 317°.15 1°.2/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.04	−16 30.8	1.806	2.617	15.2	20.4
3 22	14 2.49	−16 10.9	1.718	2.612	11.9	20.2
4 1	13 56.65	−15 35.0	1.651	2.607	8.0	19.9
4 11	13 49.16	−14 45.4	1.609	2.602	3.8	19.7
4 21	13 40.92	−13 46.4	1.594	2.598	1.6	19.5
5 1	13 32.98	−12 44.3	1.606	2.593	5.7	19.8
5 11	13 26.34	−11 46.2	1.644	2.589	9.9	20.0
5 21	13 21.70	−10 57.9	1.705	2.585	13.7	20.2

165157 2000 QO_{50} 4 17.7 229°.54 1°.8/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.29	−17 1.6	1.846	2.643	15.4	21.3
3 22	14 7.40	−16 59.7	1.747	2.632	12.3	21.0
4 1	13 59.94	−16 42.7	1.670	2.621	8.4	20.8
4 11	13 50.56	−16 11.6	1.618	2.608	4.2	20.5
4 21	13 40.22	−15 29.2	1.593	2.595	2.0	20.3
5 1	13 30.08	−14 40.6	1.596	2.582	5.9	20.5
5 11	13 21.28	−13 52.6	1.626	2.567	10.3	20.8
5 21	13 14.64	−13 11.3	1.679	2.552	14.2	21.0

192684 1999 TW_{6} 4 17.7 253°.19 0°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.36	−12 59.4	2.158	2.958	13.4	20.2
3 22	14 7.07	−13 13.3	2.054	2.943	10.5	20.0
4 1	13 59.56	−13 18.5	1.974	2.929	7.0	19.7
4 11	13 50.37	−13 15.9	1.920	2.913	3.2	19.5
4 21	13 40.32	−13 7.5	1.895	2.898	1.4	19.3
5 1	13 30.39	−12 56.4	1.898	2.882	5.3	19.5
5 11	13 21.56	−12 46.6	1.930	2.866	9.2	19.7
5 21	13 14.57	−12 41.6	1.986	2.850	12.7	19.9

100605 1997 SR_1 4 17.7 239°.17 1°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.24	−10 52.4	2.024	2.841	13.6	20.7
3 22	14 3.94	−10 13.0	1.927	2.829	10.4	20.4
4 1	13 57.49	− 9 21.9	1.853	2.816	6.7	20.2
4 11	13 49.50	− 8 22.9	1.806	2.803	2.7	19.9
4 21	13 40.76	− 7 20.9	1.787	2.789	2.1	19.8
5 1	13 32.24	− 6 22.2	1.797	2.775	6.2	20.1
5 11	13 24.86	− 5 32.7	1.833	2.760	10.2	20.3
5 21	13 19.30	− 4 56.4	1.892	2.746	13.7	20.5

296234 2009 CD_{51} 4 17.7 65°.37 5°.2/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.19	+ 1 48.3	2.071	2.911	12.4	20.4
3 22	14 1.31	+ 2 58.4	2.005	2.917	9.6	20.3
4 1	13 55.58	+ 4 9.4	1.964	2.922	6.8	20.1
4 11	13 48.63	+ 5 14.9	1.950	2.928	5.2	20.0
4 21	13 41.22	+ 6 8.6	1.963	2.934	6.2	20.1
5 1	13 34.18	+ 6 45.7	2.002	2.940	8.7	20.2
5 11	13 28.26	+ 7 3.5	2.066	2.945	11.6	20.4
5 21	13 23.98	+ 7 1.7	2.151	2.951	14.1	20.6

132512 2002 JJ_{43} 4 17.7 295°.67 3°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.34	−20 2.0	1.488	2.296	18.0	19.9
3 22	14 5.04	−20 13.4	1.391	2.280	14.6	19.6
4 1	13 58.78	−20 4.9	1.315	2.263	10.5	19.3
4 11	13 50.20	−19 36.1	1.261	2.247	6.0	19.0
4 21	13 40.38	−18 49.1	1.231	2.231	3.5	18.8
5 1	13 30.73	−17 49.8	1.227	2.215	6.9	19.0
5 11	13 22.66	−16 47.2	1.247	2.199	11.7	19.2
5 21	13 17.15	−15 50.1	1.288	2.184	16.2	19.4

379123 2009 AD_{48} 4 17.7 63°.14 1°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.45	− 8 13.4	1.933	2.760	13.7	20.9
3 22	14 2.98	− 7 23.3	1.881	2.789	10.3	20.8
4 1	13 56.59	− 6 25.4	1.852	2.817	6.5	20.6
4 11	13 49.00	− 5 24.8	1.849	2.845	2.8	20.4
4 21	13 41.08	− 4 27.1	1.875	2.873	2.9	20.5
5 1	13 33.71	− 3 37.9	1.929	2.901	6.4	20.7
5 11	13 27.64	− 3 1.5	2.008	2.929	9.8	21.0
5 21	13 23.35	− 2 39.8	2.111	2.957	12.8	21.2

349806 2009 BE_{110} 4 17.7 304°.24 1°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.19	− 9 29.7	2.121	2.942	12.8	21.1
3 22	14 2.19	− 9 5.8	2.033	2.937	9.8	20.9
4 1	13 56.26	− 8 33.4	1.969	2.933	6.3	20.7
4 11	13 48.96	− 7 55.7	1.931	2.928	2.6	20.4
4 21	13 41.06	− 7 17.0	1.922	2.923	2.0	20.4
5 1	13 33.42	− 6 41.9	1.940	2.919	5.8	20.6
5 11	13 26.86	− 6 14.8	1.985	2.914	9.4	20.8
5 21	13 21.97	− 5 58.7	2.053	2.910	12.6	21.0

17623 1995 WO_{42} 4 17.8 178°.46 2°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.56	− 2 13.6	2.696	3.512	10.6	18.7
3 22	14 4.24	− 1 58.1	2.612	3.513	8.1	18.5
4 1	13 57.33	− 1 40.8	2.554	3.514	5.3	18.3
4 11	13 49.34	− 1 24.8	2.524	3.514	2.9	18.1
4 21	13 40.90	− 1 13.2	2.523	3.514	3.2	18.2
5 1	13 32.73	− 1 8.7	2.553	3.514	5.8	18.3
5 11	13 25.46	− 1 13.4	2.610	3.514	8.5	18.5
5 21	13 19.58	− 1 28.1	2.691	3.513	11.0	18.7

518592 2007 VQ_{338} 4 17.8 111°.93 0°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.70	−15 0.7	2.469	3.263	12.1	22.3
3 22	14 2.97	−14 46.5	2.392	3.278	9.3	22.1
4 1	13 56.55	−14 21.9	2.339	3.292	6.2	21.9
4 11	13 49.02	−13 49.0	2.313	3.306	2.8	21.7
4 21	13 41.07	−13 10.8	2.316	3.320	1.2	21.6
5 1	13 33.46	−12 31.4	2.349	3.333	4.4	21.9
5 11	13 26.87	−11 54.9	2.409	3.346	7.6	22.1
5 21	13 21.80	−11 25.0	2.495	3.359	10.5	22.3

164095 2003 WS_{144} 4 17.8 127°.28 0°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.43	−13 35.8	2.079	2.889	13.5	20.8
3 22	14 3.17	−13 19.2	1.996	2.891	10.4	20.6
4 1	13 56.89	−12 51.1	1.935	2.893	6.9	20.4
4 11	13 49.22	−12 14.2	1.900	2.895	2.9	20.1
4 21	13 40.96	−11 32.2	1.894	2.897	1.3	20.0
5 1	13 33.01	−10 49.9	1.916	2.900	5.3	20.3
5 11	13 26.23	−10 12.5	1.964	2.901	9.0	20.5
5 21	13 21.20	− 9 43.9	2.036	2.903	12.3	20.7

183271 2002 TL_{248} 4 17.8 287°.35 2°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.69	− 8 28.1	1.600	2.437	15.6	20.5
3 22	14 4.17	− 7 46.6	1.503	2.416	12.0	20.2
4 1	13 58.01	− 6 52.5	1.427	2.394	7.8	19.9
4 11	13 49.84	− 5 50.8	1.376	2.372	3.4	19.6
4 21	13 40.61	− 4 48.1	1.351	2.350	3.4	19.5
5 1	13 31.54	− 3 52.2	1.352	2.328	8.1	19.8
5 11	13 23.82	− 3 10.3	1.378	2.306	12.8	20.0
5 21	13 18.34	− 2 46.8	1.424	2.285	17.0	20.2

135139 2001 QD_{195} 4 17.8 188°.38 0°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.25	−17 18.5	2.887	3.670	10.8	20.9
3 22	14 0.97	−16 40.3	2.790	3.669	8.4	20.7
4 1	13 55.22	−15 50.3	2.719	3.668	5.7	20.5
4 11	13 48.48	−14 50.7	2.675	3.666	2.7	20.3
4 21	13 41.33	−13 44.8	2.661	3.664	1.1	20.2
5 1	13 34.40	−12 37.0	2.677	3.661	4.0	20.4
5 11	13 28.30	−11 32.0	2.722	3.658	6.9	20.6
5 21	13 23.47	−10 33.8	2.794	3.654	9.6	20.8

499261 2009 VJ_{28} 4 17.8 176°.45 2°.0/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.94	−21 20.4	2.393	3.165	13.1	22.3
3 22	14 3.33	−20 39.8	2.300	3.168	10.4	22.1
4 1	13 56.89	−19 42.4	2.229	3.169	7.3	21.9
4 11	13 49.19	−18 29.9	2.185	3.171	4.0	21.7
4 21	13 40.99	−17 6.3	2.171	3.171	2.0	21.5
5 1	13 33.11	−15 37.5	2.186	3.171	4.6	21.7
5 11	13 26.30	−14 10.1	2.230	3.171	7.9	21.9
5 21	13 21.12	−12 50.3	2.300	3.170	11.0	22.1

350710 2001 XD_{70} 4 17.8 200°.39 3°.5/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.28	+ 0 48.2	2.845	3.665	9.9	21.7
3 22	14 2.46	+ 1 26.3	2.760	3.662	7.6	21.6
4 1	13 56.16	+ 2 5.2	2.701	3.657	5.3	21.4
4 11	13 48.87	+ 2 41.0	2.670	3.652	3.6	21.3
4 21	13 41.15	+ 3 10.0	2.668	3.647	4.2	21.3
5 1	13 33.66	+ 3 29.2	2.696	3.641	6.4	21.5
5 11	13 26.98	+ 3 36.2	2.751	3.635	8.9	21.6
5 21	13 21.58	+ 3 30.5	2.830	3.628	11.1	21.7

299953 2006 TP_{63} 4 17.8 197°.96 1°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.73	−16 42.3	2.399	3.185	12.6	20.4
3 22	14 4.76	−16 58.9	2.306	3.184	10.0	20.2
4 1	13 57.88	−17 5.2	2.237	3.183	6.9	20.0
4 11	13 49.63	−17 1.8	2.194	3.182	3.6	19.8
4 21	13 40.77	−16 50.1	2.180	3.181	1.9	19.6
5 1	13 32.12	−16 33.2	2.195	3.180	4.7	19.8
5 11	13 24.50	−16 15.0	2.238	3.178	7.9	20.0
5 21	13 18.51	−15 59.2	2.306	3.177	10.9	20.2

72308 2001 BZ_{34} 4 17.8 144°.94 2°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.04	− 6 25.6	2.003	2.824	13.5	20.2
3 22	14 5.81	− 5 33.5	1.932	2.836	10.2	20.0
4 1	13 58.52	− 4 34.0	1.884	2.848	6.6	19.8
4 11	13 49.86	− 3 32.3	1.864	2.858	3.2	19.7
4 21	13 40.70	− 2 34.1	1.873	2.868	3.5	19.7
5 1	13 31.98	− 1 45.3	1.910	2.877	6.9	19.9
5 11	13 24.55	− 1 10.0	1.974	2.885	10.5	20.1
5 21	13 18.99	− 0 50.6	2.061	2.893	13.6	20.4

36744 2000 RB_{63} 4 17.8 187°.31 0°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.70	−11 47.6	1.858	2.669	14.8	19.8
3 22	14 7.47	−11 30.4	1.772	2.669	11.5	19.6
4 1	13 59.84	−11 2.0	1.708	2.668	7.5	19.3
4 11	13 50.48	−10 25.1	1.671	2.667	3.0	19.1
4 21	13 40.37	− 9 44.0	1.661	2.665	1.6	18.9
5 1	13 30.60	− 9 4.1	1.680	2.662	6.2	19.2
5 11	13 22.20	− 8 31.0	1.726	2.659	10.4	19.5
5 21	13 15.90	− 8 8.7	1.795	2.654	14.0	19.7

177891 2005 QK_{159} 4 17.8 215°.49 5°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.84	+ 4 4.6	2.525	3.358	10.7	20.5
3 22	14 0.79	+ 5 9.4	2.450	3.354	8.4	20.4
4 1	13 55.16	+ 6 13.8	2.399	3.351	6.2	20.2
4 11	13 48.48	+ 7 12.3	2.376	3.347	5.1	20.1
4 21	13 41.35	+ 7 59.8	2.381	3.343	5.9	20.2
5 1	13 34.48	+ 8 32.5	2.414	3.339	8.1	20.3
5 11	13 28.51	+ 8 48.0	2.472	3.334	10.5	20.4
5 21	13 23.91	+ 8 45.9	2.551	3.330	12.7	20.6

114944 2003 QU_{53} 4 17.8 246°.62 0°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.08	−11 21.0	1.697	2.518	15.6	20.0
3 22	14 6.58	−11 4.4	1.604	2.507	12.1	19.8
4 1	13 59.47	−10 35.8	1.533	2.496	7.9	19.5
4 11	13 50.41	− 9 58.1	1.487	2.484	3.2	19.2
4 21	13 40.38	− 9 15.9	1.468	2.471	1.9	19.0
5 1	13 30.59	− 8 35.2	1.476	2.459	6.8	19.3
5 11	13 22.21	− 8 2.2	1.510	2.446	11.4	19.5
5 21	13 16.06	− 7 41.5	1.566	2.432	15.4	19.8

429852 2012 RW_7 4 17.8 297°.80 6°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.41	−24 37.6	1.827	2.596	16.6	20.6
3 22	14 7.13	−25 32.3	1.721	2.577	13.9	20.3
4 1	14 0.05	−26 11.2	1.635	2.558	10.8	20.1
4 11	13 50.75	−26 31.1	1.573	2.538	7.7	19.9
4 21	13 40.18	−26 30.5	1.536	2.519	6.0	19.7
5 1	13 29.61	−26 11.3	1.525	2.501	7.4	19.7
5 11	13 20.35	−25 39.0	1.540	2.482	10.7	19.9
5 21	13 13.40	−25 1.0	1.577	2.464	14.2	20.1

373543 2001 TH_{250} 4 17.8 248°.33 0°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 2.55	−14 48.9	4.473	5.252	7.3	21.0
3 22	13 58.45	−14 55.6	4.373	5.250	5.7	20.9
4 1	13 53.40	−14 57.1	4.299	5.247	3.8	20.7
4 11	13 47.71	−14 54.1	4.254	5.244	1.8	20.6
4 21	13 41.74	−14 47.9	4.239	5.242	0.9	20.5
5 1	13 35.88	−14 39.9	4.256	5.239	2.7	20.6
5 11	13 30.49	−14 31.9	4.301	5.236	4.6	20.8
5 21	13 25.88	−14 25.5	4.374	5.234	6.4	20.9

338656 2003 SH_{338} 4 17.8 260°.85 1°.2/18.8 17

3 12	14 7.87	−15 42.6	2.004	2.808	14.1	21.7
3 22	14 3.70	−15 34.8	1.912	2.802	11.1	21.4
4 1	13 57.37	−15 13.8	1.842	2.797	7.5	21.2
4 11	13 49.48	−14 41.5	1.799	2.791	3.5	20.9
4 21	13 40.87	−14 1.0	1.782	2.785	1.5	20.8
5 1	13 32.52	−13 17.3	1.794	2.780	5.3	21.0
5 11	13 25.36	−12 36.0	1.832	2.774	9.3	21.2
5 21	13 20.05	−12 2.0	1.894	2.768	12.8	21.5

190071 2004 SU_{16} 4 17.8 280°.90 7°.9/ 9.6 18

3 12	14 5.66	+ 6 30.0	1.804	2.651	13.7	19.9
3 22	14 2.12	+ 8 11.6	1.730	2.639	11.0	19.7
4 1	13 56.37	+ 9 52.8	1.680	2.627	8.7	19.5
4 11	13 49.07	+11 24.0	1.655	2.615	7.9	19.4
4 21	13 41.07	+12 36.6	1.657	2.604	9.3	19.5
5 1	13 33.38	+13 23.9	1.683	2.592	11.9	19.6
5 11	13 26.93	+13 42.8	1.730	2.580	14.8	19.8
5 21	13 22.38	+13 34.2	1.797	2.568	17.5	19.9

273058 2006 DP_{177} 4 17.8 150°.46 2°.6/15.2 17

3 12	14 6.65	− 6 15.5	2.007	2.837	13.1	20.7
3 22	14 2.56	− 5 23.0	1.930	2.840	10.0	20.5
4 1	13 56.49	− 4 23.0	1.877	2.842	6.4	20.3
4 11	13 49.07	− 3 20.5	1.850	2.844	3.2	20.1
4 21	13 41.10	− 2 21.5	1.851	2.846	3.6	20.1
5 1	13 33.47	− 1 31.7	1.880	2.848	7.0	20.4
5 11	13 27.02	− 0 55.6	1.935	2.849	10.5	20.6
5 21	13 22.31	− 0 35.6	2.013	2.851	13.6	20.8

499833 2011 DV_{40} 4 17.8 337°.65 2°.5/19.6 17

3 12	14 8.97	−17 56.1	1.739	2.543	16.0	21.3
3 22	14 4.91	−18 8.8	1.653	2.540	12.7	21.1
4 1	13 58.33	−18 6.2	1.588	2.538	8.9	20.8
4 11	13 49.92	−17 49.0	1.547	2.535	4.8	20.6
4 21	13 40.66	−17 19.6	1.532	2.533	2.6	20.4
5 1	13 31.71	−16 42.8	1.544	2.531	5.9	20.6
5 11	13 24.16	−16 4.8	1.582	2.529	10.0	20.9
5 21	13 18.79	−15 31.8	1.643	2.528	13.8	21.1

331539 2000 SX_{348} 4 17.8 226°.77 4°.8/12.7 18

3 12	14 8.17	+ 1 21.1	2.301	3.130	11.7	21.7
3 22	14 3.56	+ 2 26.5	2.213	3.118	9.1	21.5
4 1	13 57.09	+ 3 34.3	2.150	3.106	6.4	21.3
4 11	13 49.33	+ 4 38.5	2.115	3.093	4.8	21.2
4 21	13 40.97	+ 5 33.4	2.108	3.080	5.7	21.2
5 1	13 32.83	+ 6 13.8	2.129	3.066	8.3	21.4
5 11	13 25.70	+ 6 36.6	2.176	3.052	11.2	21.5
5 21	13 20.13	+ 6 40.8	2.244	3.036	13.9	21.7

148607 2001 RN_{80} 4 17.8 142°.30 3°.5/20.2 18

3 12	14 14.93	−19 36.0	1.952	2.731	15.4	19.7
3 22	14 9.21	−20 13.4	1.867	2.737	12.4	19.5
4 1	14 1.01	−20 37.2	1.804	2.742	8.9	19.3
4 11	13 51.00	−20 46.6	1.767	2.748	5.3	19.1
4 21	13 40.16	−20 42.2	1.757	2.753	3.5	19.0
5 1	13 29.65	−20 27.1	1.775	2.757	5.8	19.1
5 11	13 20.55	−20 6.3	1.821	2.762	9.4	19.3
5 21	13 13.61	−19 45.3	1.890	2.766	12.7	19.5

462 Eriphyla 4 17.8 214°.36 1°.5/16.3 18

3 12	14 6.94	− 8 15.0	2.280	3.099	12.1	14.2
3 22	14 2.62	− 7 41.9	2.192	3.096	9.3	14.0
4 1	13 56.48	− 7 1.1	2.128	3.092	5.9	13.8
4 11	13 49.07	− 6 16.4	2.091	3.087	2.5	13.6
4 21	13 41.10	− 5 31.9	2.083	3.083	2.4	13.5
5 1	13 33.39	− 4 52.4	2.104	3.078	5.8	13.7
5 11	13 26.70	− 4 21.9	2.151	3.073	9.2	13.9
5 21	13 21.58	− 4 3.3	2.222	3.068	12.2	14.1

6487 Tonyspear 4 17.8 315°.40 6°.2/11.4 18 R

3 12	13 59.48	− 8 5.4	1.234	2.100	17.4	16.6
3 22	13 58.56	− 5 23.4	1.134	2.064	13.3	16.2
4 1	13 54.76	− 2 7.7	1.056	2.029	8.9	15.9
4 11	13 48.65	+ 1 29.6	1.003	1.994	6.2	15.6
4 21	13 41.24	+ 5 9.0	0.977	1.959	8.8	15.6
5 1	13 33.90	+ 8 28.2	0.976	1.925	14.1	15.8
5 11	13 28.06	+11 9.2	0.996	1.892	19.5	16.0
5 21	13 24.77	+13 3.0	1.033	1.860	24.3	16.2

459090 2012 BP_{82} 4 17.8 65°.94 3°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.90	−19 12.3	1.480	2.287	18.1	21.3
3 22	14 6.59	−19 19.8	1.412	2.300	14.4	21.1
4 1	13 59.46	−19 8.0	1.365	2.314	10.1	20.8
4 11	13 50.37	−18 38.1	1.340	2.328	5.5	20.6
4 21	13 40.52	−17 53.6	1.341	2.342	3.0	20.5
5 1	13 31.26	−17 1.1	1.368	2.356	6.4	20.7
5 11	13 23.77	−16 8.9	1.420	2.370	10.8	21.0
5 21	13 18.81	−15 23.9	1.494	2.384	14.7	21.3

494315 2016 SD_{35} 4 17.8 280°.53 3°.8/21.5 18

3 12	14 7.21	−24 24.6	2.398	3.157	13.4	21.1
3 22	14 3.15	−24 29.2	2.278	3.131	11.1	20.9
4 1	13 57.05	−24 17.5	2.179	3.104	8.3	20.6
4 11	13 49.40	−23 49.0	2.106	3.077	5.5	20.4
4 21	13 40.93	−23 4.6	2.059	3.050	3.9	20.2
5 1	13 32.51	−22 7.9	2.042	3.023	5.3	20.3
5 11	13 25.04	−21 4.5	2.051	2.995	8.3	20.4
5 21	13 19.21	−20 0.4	2.086	2.967	11.5	20.6

282848 2006 VL_{34} 4 17.8 232°.73 0°.1/17.7 18

3 12	14 6.43	−12 21.2	2.750	3.550	10.8	21.3
3 22	14 2.01	−11 59.6	2.647	3.538	8.3	21.1
4 1	13 56.00	−11 29.4	2.569	3.526	5.4	20.9
4 11	13 48.87	−10 52.8	2.518	3.513	2.2	20.7
4 21	13 41.22	−10 12.7	2.497	3.500	1.1	20.6
5 1	13 33.72	− 9 32.9	2.506	3.487	4.5	20.8
5 11	13 27.04	− 8 57.2	2.543	3.473	7.6	21.0
5 21	13 21.68	− 8 28.8	2.605	3.459	10.4	21.1

435217 2007 RM_{247} 4 17.8 171°.52 0°.1/17.7 17

3 12	14 6.97	−12 54.4	2.261	3.069	12.6	22.4
3 22	14 2.67	−12 27.9	2.175	3.070	9.7	22.2
4 1	13 56.51	−11 50.7	2.113	3.072	6.3	21.9
4 11	13 49.09	−11 5.7	2.077	3.073	2.6	21.7
4 21	13 41.13	−10 16.8	2.070	3.074	1.3	21.6
5 1	13 33.46	− 9 28.8	2.092	3.074	5.1	21.9
5 11	13 26.85	− 8 46.5	2.141	3.075	8.6	22.1
5 21	13 21.84	− 8 13.7	2.215	3.075	11.7	22.3

348998 2006 UV_{203} 4 17.8 131°.12 3°.2/21.4 17

3 12	14 9.43	−23 20.6	2.867	3.615	11.7	21.5
3 22	14 4.21	−23 36.6	2.780	3.628	9.5	21.3
4 1	13 57.36	−23 40.0	2.718	3.640	7.0	21.2
4 11	13 49.41	−23 30.9	2.681	3.652	4.6	21.1
4 21	13 40.99	−23 10.4	2.674	3.663	3.2	21.0
5 1	13 32.83	−22 41.2	2.696	3.675	4.4	21.1
5 11	13 25.61	−22 7.3	2.747	3.685	6.7	21.2
5 21	13 19.82	−21 32.6	2.824	3.695	9.1	21.4

244228 2002 BG_{22} 4 17.8 173°.71 3°.4/15.3 16

3 12	14 13.00	− 3 56.6	1.708	2.538	15.1	20.6
3 22	14 7.78	− 3 21.3	1.632	2.541	11.5	20.4
4 1	14 0.07	− 2 40.5	1.579	2.543	7.6	20.2
4 11	13 50.60	− 1 59.6	1.551	2.544	4.0	19.9
4 21	13 40.42	− 1 24.4	1.551	2.545	4.4	20.0
5 1	13 30.66	− 1 0.4	1.579	2.545	8.1	20.2
5 11	13 22.40	− 0 51.6	1.631	2.545	12.1	20.4
5 21	13 16.34	− 0 59.5	1.705	2.544	15.6	20.6

416302 2003 SW_{4} 4 17.8 191°.56 2°.5/19.9 16

3 12	14 13.80	−19 13.3	2.181	2.956	14.1	22.4
3 22	14 8.13	−19 21.0	2.085	2.955	11.3	22.2
4 1	14 0.21	−19 14.8	2.012	2.952	7.9	22.0
4 11	13 50.67	−18 55.0	1.964	2.949	4.4	21.8
4 21	13 40.37	−18 23.4	1.946	2.945	2.6	21.7
5 1	13 30.31	−17 44.1	1.956	2.940	5.2	21.8
5 11	13 21.48	−17 2.4	1.995	2.934	8.8	22.0
5 21	13 14.55	−16 23.7	2.059	2.928	12.1	22.2

100251 1994 RC_{17} 4 17.8 185°.56 3°.6/21.6 18

3 12	14 8.23	−24 5.6	2.713	3.463	12.2	20.2
3 22	14 3.50	−24 21.3	2.616	3.463	10.0	20.0
4 1	13 57.02	−24 23.4	2.542	3.463	7.5	19.9
4 11	13 49.31	−24 11.8	2.493	3.462	5.0	19.7
4 21	13 41.03	−23 47.5	2.473	3.461	3.6	19.6
5 1	13 32.95	−23 13.2	2.482	3.460	4.7	19.7
5 11	13 25.81	−22 33.3	2.519	3.459	7.2	19.8
5 21	13 20.14	−21 52.3	2.581	3.457	9.8	20.0

183103 2002 RL_{116} 4 17.8 152°.35 1°.5/19.1 16

3 12	14 12.18	−16 37.0	2.086	2.876	14.1	22.2
3 22	14 6.80	−16 31.8	2.003	2.885	11.1	22.0
4 1	13 59.27	−16 13.6	1.943	2.893	7.5	21.8
4 11	13 50.24	−15 43.6	1.910	2.900	3.7	21.6
4 21	13 40.60	−15 5.1	1.905	2.907	1.7	21.4
5 1	13 31.33	−14 22.7	1.929	2.913	5.2	21.7
5 11	13 23.34	−13 41.8	1.980	2.919	8.9	21.9
5 21	13 17.26	−13 7.2	2.056	2.924	12.2	22.1

351911 2006 SO_{356} 4 17.8 182°.33 2°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.07	− 3 16.1	2.452	3.265	11.6	20.8
3 22	14 6.35	− 3 15.9	2.366	3.265	8.8	20.6
4 1	13 58.81	− 3 13.8	2.305	3.265	5.8	20.4
4 11	13 50.02	− 3 12.6	2.272	3.265	2.8	20.2
4 21	13 40.70	− 3 14.8	2.269	3.265	2.9	20.2
5 1	13 31.65	− 3 23.1	2.296	3.265	5.8	20.4
5 11	13 23.63	− 3 39.2	2.351	3.264	8.9	20.6
5 21	13 17.20	− 4 4.3	2.430	3.263	11.7	20.8

415490 2014 OC_{295} 4 17.8 200°.10 1°.6/19.0 14 C

3 12	14 12.25	−16 38.6	1.846	2.644	15.4	23.0
3 22	14 7.28	−16 33.2	1.755	2.641	12.2	22.8
4 1	13 59.82	−16 13.0	1.686	2.638	8.3	22.5
4 11	13 50.55	−15 39.3	1.642	2.634	4.1	22.2
4 21	13 40.44	−14 55.2	1.626	2.629	1.8	22.1
5 1	13 30.62	−14 6.4	1.638	2.624	5.8	22.3
5 11	13 22.19	−13 19.2	1.676	2.618	10.0	22.6
5 21	13 15.91	−12 39.5	1.738	2.611	13.8	22.8

324427 2006 SR_{358} 4 17.8 153°.00 0°.8/17.1 17

3 12	14 12.06	− 9 52.0	1.951	2.765	14.1	22.1
3 22	14 6.78	− 9 35.4	1.872	2.772	10.8	21.9
4 1	13 59.28	− 9 9.9	1.817	2.778	7.0	21.6
4 11	13 50.25	− 8 38.7	1.788	2.784	2.8	21.4
4 21	13 40.60	− 8 5.7	1.787	2.789	1.9	21.3
5 1	13 31.35	− 7 35.9	1.814	2.794	6.0	21.6
5 11	13 23.41	− 7 13.7	1.869	2.798	9.9	21.8
5 21	13 17.43	− 7 2.2	1.946	2.801	13.3	22.1

123748 2001 AJ_{26} 4 17.8 81°.56 8°.0/24.9 18

3 12	14 11.87	−33 11.8	1.964	2.682	17.2	19.9
3 22	14 7.16	−34 2.8	1.883	2.692	14.9	19.8
4 1	13 59.81	−34 31.2	1.821	2.701	12.2	19.6
4 11	13 50.56	−34 33.8	1.781	2.711	9.7	19.5
4 21	13 40.44	−34 9.8	1.766	2.721	8.2	19.4
5 1	13 30.71	−33 22.3	1.776	2.731	8.4	19.4
5 11	13 22.52	−32 18.3	1.811	2.741	10.2	19.5
5 21	13 16.64	−31 6.3	1.870	2.750	12.6	19.7

76518 2000 GY_{45} 4 17.8 123°.45 0°.6/17.2 18

3 12	14 7.82	−10 41.2	2.257	3.069	12.5	19.8
3 22	14 3.25	−10 19.1	2.178	3.077	9.5	19.7
4 1	13 56.85	− 9 48.4	2.123	3.084	6.1	19.5
4 11	13 49.22	− 9 12.1	2.095	3.092	2.5	19.2
4 21	13 41.11	− 8 34.1	2.096	3.099	1.6	19.2
5 1	13 33.32	− 7 58.5	2.126	3.106	5.2	19.4
5 11	13 26.62	− 7 29.7	2.183	3.113	8.7	19.7
5 21	13 21.54	− 7 10.4	2.264	3.119	11.7	19.9

400793 2010 FF_{16} 4 17.8 171°.55 2°.1/19.2 16

3 12	14 13.71	−16 45.1	1.559	2.366	17.4	21.9
3 22	14 8.80	−16 54.9	1.478	2.368	13.8	21.7
4 1	14 0.99	−16 48.7	1.417	2.369	9.4	21.5
4 11	13 51.08	−16 27.3	1.380	2.371	4.8	21.2
4 21	13 40.20	−15 53.8	1.369	2.371	2.3	21.0
5 1	13 29.73	−15 13.6	1.385	2.372	6.5	21.3
5 11	13 20.95	−14 34.2	1.427	2.372	11.1	21.5
5 21	13 14.70	−14 1.8	1.491	2.372	15.2	21.8

409386 2005 EA_{30} 4 17.8 84°.09 2°.1/19.4 18

3 12	14 11.26	−18 23.9	1.544	2.350	17.5	21.2
3 22	14 6.66	−18 12.0	1.479	2.368	13.8	21.0
4 1	13 59.39	−17 41.2	1.434	2.386	9.4	20.8
4 11	13 50.32	−16 53.8	1.413	2.404	4.8	20.6
4 21	13 40.61	−15 54.5	1.419	2.421	2.3	20.4
5 1	13 31.53	−14 50.6	1.451	2.439	6.1	20.7
5 11	13 24.17	−13 50.4	1.509	2.456	10.5	21.0
5 21	13 19.22	−13 0.4	1.589	2.472	14.3	21.3

199290 2006 BQ_{58} 4 17.8 48°.99 2°.4/19.8 18

3 12	14 7.78	−18 56.5	1.734	2.536	16.1	20.0
3 22	14 3.86	−18 53.4	1.659	2.545	12.7	19.8
4 1	13 57.55	−18 33.0	1.604	2.554	8.9	19.6
4 11	13 49.59	−17 56.9	1.574	2.563	4.7	19.3
4 21	13 40.94	−17 8.8	1.571	2.572	2.5	19.2
5 1	13 32.74	−16 14.4	1.594	2.581	5.7	19.4
5 11	13 25.98	−15 20.9	1.643	2.591	9.7	19.7
5 21	13 21.34	−14 34.4	1.715	2.601	13.3	19.9

138871 2000 XG_{17} 4 17.8 219°.01 2°.9/21.5 18

3 12	14 6.93	−24 5.4	3.317	4.058	10.3	20.7
3 22	14 2.23	−24 5.6	3.205	4.048	8.5	20.5
4 1	13 56.08	−23 53.8	3.116	4.036	6.3	20.4
4 11	13 48.92	−23 30.2	3.054	4.024	4.1	20.2
4 21	13 41.27	−22 56.0	3.022	4.012	2.9	20.1
5 1	13 33.75	−22 13.8	3.020	3.998	3.9	20.2
5 11	13 26.94	−21 27.1	3.047	3.985	6.2	20.3
5 21	13 21.33	−20 39.9	3.100	3.971	8.4	20.4

382791 2003 SA_{375} 4 17.8 156°.21 1°.5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.41	− 9 27.7	2.168	2.988	12.7	21.9
3 22	14 2.27	− 8 38.9	2.087	2.991	9.6	21.7
4 1	13 56.27	− 7 40.6	2.031	2.994	6.1	21.5
4 11	13 49.02	− 6 37.1	2.001	2.997	2.6	21.3
4 21	13 41.25	− 5 33.7	2.000	3.000	2.4	21.3
5 1	13 33.81	− 4 36.0	2.028	3.002	6.0	21.5
5 11	13 27.46	− 3 48.9	2.083	3.005	9.5	21.7
5 21	13 22.73	− 3 15.5	2.161	3.007	12.5	21.9

173583 2001 CG_{10} 4 17.8 170°.42 4°.1/14.2 18

3 12	14 10.42	− 2 32.5	1.883	2.715	13.8	20.4
3 22	14 5.56	− 1 32.3	1.809	2.718	10.6	20.2
4 1	13 58.51	− 0 27.1	1.759	2.721	7.0	20.0
4 11	13 49.96	+ 0 36.9	1.735	2.723	4.3	19.9
4 21	13 40.81	+ 1 33.1	1.739	2.725	5.1	19.9
5 1	13 32.06	+ 2 15.6	1.771	2.726	8.3	20.1
5 11	13 24.63	+ 2 40.3	1.827	2.727	11.8	20.3
5 21	13 19.14	+ 2 46.1	1.906	2.727	14.9	20.5

196592 2003 QE_{60} 4 17.8 183°.04 2°.8/20.2 17

3 12	14 11.43	−19 33.3	2.313	3.088	13.4	20.8
3 22	14 6.20	−19 52.9	2.220	3.088	10.7	20.7
4 1	13 58.91	−20 0.0	2.150	3.088	7.6	20.5
4 11	13 50.15	−19 54.5	2.105	3.088	4.5	20.3
4 21	13 40.70	−19 37.9	2.090	3.087	2.8	20.1
5 1	13 31.49	−19 13.1	2.103	3.086	5.0	20.3
5 11	13 23.39	−18 44.9	2.144	3.085	8.2	20.5
5 21	13 17.04	−18 17.7	2.210	3.083	11.3	20.7

216598 2002 PO_{137} 4 17.8 212°.79 1°.2/16.7 17

3 12	14 9.96	−10 2.2	2.112	2.925	13.2	21.7
3 22	14 5.16	− 9 24.0	2.018	2.917	10.1	21.5
4 1	13 58.27	− 8 35.4	1.948	2.909	6.5	21.3
4 11	13 49.89	− 7 40.2	1.904	2.901	2.7	21.0
4 21	13 40.83	− 6 43.3	1.890	2.891	2.2	20.9
5 1	13 32.01	− 5 50.3	1.905	2.881	6.1	21.2
5 11	13 24.33	− 5 6.5	1.946	2.870	9.9	21.4
5 21	13 18.42	− 4 35.5	2.011	2.858	13.3	21.6

94521 2001 UA_{113} 4 17.8 20°.15 2°.0/19.1 18

3 12	14 10.27	−16 15.0	1.311	2.137	19.0	19.3
3 22	14 6.58	−16 23.4	1.237	2.139	15.0	19.0
4 1	13 59.75	−16 13.8	1.182	2.141	10.2	18.8
4 11	13 50.63	−15 47.7	1.150	2.143	5.0	18.5
4 21	13 40.48	−15 8.8	1.143	2.146	2.3	18.3
5 1	13 30.82	−14 24.1	1.160	2.149	7.1	18.6
5 11	13 23.04	−13 42.1	1.201	2.152	12.1	18.9
5 21	13 18.02	−13 9.7	1.262	2.156	16.6	19.2

32304 2000 QC_{25} 4 17.8 196°.61 0°.1/17.9 18

3 12	14 13.39	−11 6.1	2.156	2.959	13.3	18.8
3 22	14 7.75	−11 14.4	2.065	2.957	10.3	18.6
4 1	13 59.94	−11 14.9	1.997	2.954	6.8	18.4
4 11	13 50.58	−11 9.2	1.956	2.951	2.8	18.1
4 21	13 40.51	−10 59.8	1.945	2.948	1.3	18.0
5 1	13 30.69	−10 50.0	1.962	2.944	5.4	18.2
5 11	13 22.05	−10 43.3	2.008	2.940	9.2	18.5
5 21	13 15.26	−10 42.9	2.078	2.936	12.5	18.7

503185 2015 GX_{46} 4 17.8 353°.17 3°.0/15.2 17

3 12	14 7.79	− 3 46.3	2.018	2.850	13.0	20.7
3 22	14 3.46	− 3 13.9	1.940	2.850	9.9	20.5
4 1	13 57.12	− 2 37.0	1.885	2.849	6.5	20.2
4 11	13 49.40	− 2 0.3	1.857	2.849	3.5	20.1
4 21	13 41.09	− 1 28.5	1.856	2.849	3.9	20.1
5 1	13 33.12	− 1 6.3	1.883	2.849	7.1	20.3
5 11	13 26.31	− 0 56.9	1.935	2.849	10.5	20.5
5 21	13 21.25	− 1 1.8	2.010	2.849	13.6	20.7

482447 2012 DD_{39} 4 17.8 141°.91 17°.4/29.3 18

3 12	14 25.42	−44 6.4	1.332	2.004	25.9	21.1
3 22	14 20.32	−46 32.5	1.263	2.012	23.8	20.9
4 1	14 10.05	−48 26.9	1.207	2.020	21.5	20.8
4 11	13 55.35	−49 36.5	1.167	2.026	19.3	20.6
4 21	13 38.12	−49 50.9	1.145	2.032	17.8	20.6
5 1	13 21.26	−49 8.5	1.142	2.038	17.4	20.5
5 11	13 7.57	−47 39.3	1.158	2.043	18.2	20.6
5 21	12 58.71	−45 40.6	1.192	2.047	19.9	20.7

130029 1999 VR_{93} 4 17.8 86°.99 0°.3/17.6 18

3 12	14 13.22	−10 1.6	1.978	2.788	14.1	19.9
3 22	14 7.54	−10 7.5	1.909	2.806	10.8	19.7
4 1	13 59.71	−10 5.7	1.864	2.823	7.0	19.5
4 11	13 50.43	− 9 58.5	1.845	2.841	2.8	19.3
4 21	13 40.64	− 9 48.8	1.855	2.858	1.5	19.2
5 1	13 31.31	− 9 40.2	1.893	2.875	5.6	19.5
5 11	13 23.36	− 9 36.1	1.959	2.891	9.3	19.8
5 21	13 17.36	− 9 39.3	2.048	2.908	12.6	20.0

329957 2005 QZ_{108} 4 17.8 147°.82 3°.6/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.83	− 5 19.2	1.941	2.774	13.4	21.4
3 22	14 2.74	− 3 52.9	1.868	2.780	10.1	21.2
4 1	13 56.64	− 2 18.1	1.820	2.785	6.6	21.0
4 11	13 49.19	− 0 41.8	1.800	2.790	3.8	20.9
4 21	13 41.22	+ 0 48.1	1.807	2.795	4.7	20.9
5 1	13 33.64	+ 2 4.6	1.843	2.800	8.0	21.1
5 11	13 27.27	+ 3 2.3	1.904	2.804	11.4	21.3
5 21	13 22.70	+ 3 39.0	1.987	2.807	14.4	21.5

178834 2001 HA_{16} 4 17.8 6°.25 1°.1/18.7 17

3 12	14 5.97	−16 43.9	1.438	2.264	17.6	19.9
3 22	14 2.97	−16 15.1	1.361	2.264	13.8	19.6
4 1	13 57.24	−15 26.2	1.304	2.264	9.3	19.4
4 11	13 49.56	−14 20.4	1.271	2.265	4.3	19.1
4 21	13 41.04	−13 3.7	1.262	2.266	1.7	18.9
5 1	13 32.96	−11 45.0	1.280	2.268	6.6	19.2
5 11	13 26.51	−10 33.8	1.321	2.270	11.5	19.5
5 21	13 22.45	− 9 37.0	1.384	2.273	15.7	19.7

512988 2017 UZ_{34} 4 17.8 253°.77 2°.6/19.7 18

3 12	14 13.23	−17 45.2	2.064	2.849	14.4	21.6
3 22	14 8.01	−18 11.4	1.958	2.834	11.6	21.3
4 1	14 0.37	−18 25.8	1.874	2.818	8.2	21.1
4 11	13 50.87	−18 28.0	1.816	2.802	4.6	20.8
4 21	13 40.38	−18 19.0	1.785	2.785	2.7	20.7
5 1	13 29.96	−18 1.6	1.784	2.768	5.6	20.8
5 11	13 20.71	−17 40.5	1.809	2.750	9.4	21.0
5 21	13 13.43	−17 20.8	1.859	2.732	13.0	21.2

420182 2011 GG_{46} 4 17.8 107°.99 4°.4/13.3 17

3 12	14 5.60	− 2 50.5	1.878	2.718	13.5	21.1
3 22	14 1.89	− 1 26.0	1.807	2.722	10.2	20.9
4 1	13 56.13	+ 0 4.7	1.761	2.725	6.9	20.7
4 11	13 49.00	+ 1 34.3	1.742	2.729	4.5	20.6
4 21	13 41.33	+ 2 55.1	1.750	2.732	5.5	20.6
5 1	13 34.04	+ 4 0.2	1.785	2.736	8.6	20.8
5 11	13 27.98	+ 4 44.9	1.845	2.739	12.0	21.0
5 21	13 23.72	+ 5 7.8	1.925	2.742	14.9	21.2

497286 2005 SJ_{21} 4 17.8 201°.38 1°.6/19.3 17

3 12	14 11.02	−17 16.7	2.370	3.152	12.9	22.9
3 22	14 5.83	−17 12.5	2.271	3.148	10.2	22.7
4 1	13 58.65	−16 56.1	2.196	3.143	7.0	22.5
4 11	13 50.06	−16 28.4	2.148	3.137	3.6	22.3
4 21	13 40.81	−15 52.1	2.128	3.130	1.7	22.1
5 1	13 31.77	−15 10.9	2.139	3.123	4.8	22.3
5 11	13 23.79	−14 29.8	2.177	3.115	8.2	22.5
5 21	13 17.48	−13 53.4	2.240	3.106	11.4	22.7

276595 2003 SZ_{399} 4 17.8 198°.31 4°.6/13.0 18

3 12	14 7.14	+ 1 1.6	2.238	3.070	11.9	21.3
3 22	14 2.78	+ 2 0.9	2.161	3.068	9.2	21.1
4 1	13 56.60	+ 3 2.0	2.108	3.066	6.4	20.9
4 11	13 49.18	+ 3 59.0	2.083	3.064	4.7	20.8
4 21	13 41.25	+ 4 46.4	2.086	3.061	5.5	20.9
5 1	13 33.62	+ 5 19.8	2.116	3.058	8.1	21.0
5 11	13 27.04	+ 5 36.1	2.172	3.055	10.9	21.2
5 21	13 22.03	+ 5 34.7	2.250	3.051	13.5	21.4

352511 2008 CN_{83} 4 17.8 68°.71 3°.1/20.7 18

3 12	14 8.62	−20 49.4	2.358	3.132	13.2	20.5
3 22	14 4.02	−21 9.6	2.269	3.135	10.6	20.3
4 1	13 57.48	−21 16.9	2.203	3.138	7.7	20.1
4 11	13 49.58	−21 11.1	2.162	3.141	4.7	20.0
4 21	13 41.06	−20 53.7	2.149	3.144	3.1	19.9
5 1	13 32.79	−20 27.7	2.165	3.147	4.9	20.0
5 11	13 25.58	−19 57.5	2.208	3.150	7.9	20.2
5 21	13 20.04	−19 27.9	2.275	3.154	10.8	20.4

431816 2008 RD_{62} 4 17.8 178°.03 2°.7/20.0 17

3 12	14 9.58	−19 20.1	1.985	2.774	14.8	21.9
3 22	14 5.10	−19 28.5	1.897	2.775	11.8	21.7
4 1	13 58.35	−19 21.9	1.831	2.775	8.3	21.5
4 11	13 49.98	−19 0.9	1.790	2.775	4.7	21.3
4 21	13 40.87	−18 27.7	1.776	2.775	2.7	21.2
5 1	13 32.07	−17 46.8	1.789	2.775	5.4	21.3
5 11	13 24.53	−17 4.0	1.830	2.775	9.1	21.5
5 21	13 18.94	−16 25.0	1.894	2.775	12.5	21.7

188017 2001 TK_{195} 4 17.8 147°.58 5°.2/12.8 18

3 12	14 9.83	+ 2 24.1	2.100	2.931	12.6	20.7
3 22	14 4.84	+ 3 25.1	2.034	2.939	9.8	20.5
4 1	13 57.91	+ 4 26.3	1.992	2.947	7.0	20.4
4 11	13 49.71	+ 5 21.4	1.977	2.955	5.3	20.3
4 21	13 41.04	+ 6 4.7	1.990	2.961	6.1	20.3
5 1	13 32.77	+ 6 31.7	2.031	2.968	8.7	20.5
5 11	13 25.70	+ 6 40.2	2.097	2.974	11.5	20.7
5 21	13 20.37	+ 6 30.2	2.184	2.979	14.1	20.9

325054 2008 CV_{179} 4 17.8 159°.23 2°.5/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.41	−20 29.6	2.099	2.876	14.5	21.6
3 22	14 6.29	−20 16.6	2.013	2.883	11.6	21.4
4 1	13 58.99	−19 47.2	1.949	2.890	8.1	21.2
4 11	13 50.20	−19 2.4	1.911	2.896	4.5	21.0
4 21	13 40.79	−18 5.4	1.902	2.902	2.5	20.9
5 1	13 31.75	−17 1.7	1.921	2.906	5.1	21.1
5 11	13 24.00	−15 57.7	1.968	2.910	8.7	21.3
5 21	13 18.15	−14 59.5	2.040	2.913	12.0	21.5

292085 2006 RS_{34} 4 17.8 212°.09 5°.2/22.9 16

3 12	14 10.97	−28 21.9	2.636	3.360	13.1	21.6
3 22	14 5.84	−28 58.9	2.533	3.355	11.1	21.4
4 1	13 58.71	−29 20.8	2.452	3.350	8.8	21.3
4 11	13 50.12	−29 26.0	2.396	3.345	6.6	21.1
4 21	13 40.80	−29 14.4	2.368	3.339	5.3	21.0
5 1	13 31.62	−28 47.8	2.368	3.333	5.9	21.1
5 11	13 23.43	−28 10.6	2.395	3.327	7.9	21.2
5 21	13 16.90	−27 28.0	2.448	3.320	10.3	21.3

11208 1999 GT_{16} 4 17.8 116°.52 0°.6/18.3 18

3 12	14 9.90	−13 0.4	2.305	3.106	12.6	18.0
3 22	14 4.87	−13 3.5	2.224	3.114	9.8	17.8
4 1	13 57.95	−12 57.7	2.166	3.121	6.4	17.6
4 11	13 49.75	−12 44.7	2.135	3.129	2.8	17.4
4 21	13 41.01	−12 27.1	2.132	3.136	1.2	17.3
5 1	13 32.58	−12 8.1	2.159	3.143	4.8	17.6
5 11	13 25.24	−11 51.6	2.214	3.150	8.2	17.8
5 21	13 19.55	−11 40.7	2.293	3.157	11.3	18.0

305373 2008 CX_{10} 4 17.8 186°.82 2°.9/14.4 18

3 12	14 5.60	− 2 39.9	2.623	3.447	10.6	21.4
3 22	14 1.35	− 1 55.8	2.541	3.447	8.0	21.2
4 1	13 55.56	− 1 8.4	2.485	3.446	5.3	21.0
4 11	13 48.74	− 0 21.8	2.456	3.446	3.2	20.9
4 21	13 41.49	+ 0 19.9	2.457	3.444	3.7	20.9
5 1	13 34.49	+ 0 52.7	2.486	3.443	6.2	21.0
5 11	13 28.35	+ 1 13.8	2.543	3.442	8.9	21.2
5 21	13 23.55	+ 1 21.8	2.622	3.440	11.4	21.4

247420 2002 CZ_{261} 4 17.8 265°.70 5°.2/23.1 18

3 12	14 8.15	−28 39.5	2.561	3.291	13.3	20.4
3 22	14 3.79	−29 5.5	2.451	3.277	11.3	20.2
4 1	13 57.45	−29 15.4	2.362	3.262	8.9	20.0
4 11	13 49.63	−29 7.7	2.297	3.248	6.7	19.9
4 21	13 41.05	−28 42.5	2.259	3.233	5.3	19.8
5 1	13 32.58	−28 2.1	2.249	3.218	5.9	19.8
5 11	13 25.08	−27 11.3	2.267	3.203	8.0	19.9
5 21	13 19.21	−26 15.7	2.309	3.188	10.6	20.0

372482 2009 SX_{210} 4 17.8 109°.96 1°.1/18.6 15

3 12	14 11.76	−14 21.3	1.887	2.692	14.9	21.5
3 22	14 6.72	−14 27.0	1.810	2.701	11.6	21.3
4 1	13 59.35	−14 21.1	1.754	2.709	7.7	21.0
4 11	13 50.38	−14 5.0	1.724	2.717	3.6	20.8
4 21	13 40.74	−13 41.8	1.722	2.725	1.5	20.7
5 1	13 31.50	−13 15.8	1.748	2.733	5.5	20.9
5 11	13 23.63	−12 52.1	1.800	2.741	9.5	21.2
5 21	13 17.80	−12 34.8	1.876	2.748	13.0	21.4

111000 2001 UT_{219} 4 17.8 163°.26 4°.7/12.4 18

3 12	14 5.48	+ 2 29.9	2.459	3.291	11.0	20.0
3 22	14 1.33	+ 3 31.8	2.387	3.293	8.5	19.9
4 1	13 55.58	+ 4 34.1	2.340	3.295	6.1	19.7
4 11	13 48.76	+ 5 31.3	2.321	3.297	4.7	19.6
4 21	13 41.51	+ 6 18.4	2.330	3.298	5.5	19.7
5 1	13 34.56	+ 6 51.5	2.367	3.300	7.8	19.8
5 11	13 28.54	+ 7 8.0	2.429	3.301	10.3	20.0
5 21	13 23.94	+ 7 7.6	2.513	3.302	12.6	20.1

276455 2003 FV_{105} 4 17.8 57°.03 3°.0/15.4 18

3 12	14 8.60	− 6 41.1	1.501	2.344	16.2	20.0
3 22	14 4.46	− 5 45.7	1.450	2.365	12.2	19.8
4 1	13 57.88	− 4 41.8	1.420	2.387	7.8	19.6
4 11	13 49.73	− 3 36.2	1.415	2.410	3.7	19.4
4 21	13 41.10	− 2 36.4	1.436	2.432	4.1	19.5
5 1	13 33.14	− 1 49.3	1.484	2.455	8.0	19.8
5 11	13 26.82	− 1 19.5	1.555	2.478	12.0	20.1
5 21	13 22.69	− 1 8.7	1.648	2.501	15.4	20.3

460790 2014 WH_{32} 4 17.8 104°.86 2°.5/22.4 18

3 12	13 59.97	−25 36.3	4.414	5.148	8.1	20.9
3 22	13 56.62	−25 30.5	4.314	5.149	6.6	20.8
4 1	13 52.32	−25 15.1	4.238	5.150	5.0	20.7
4 11	13 47.38	−24 50.7	4.188	5.151	3.4	20.6
4 21	13 42.17	−24 18.5	4.167	5.152	2.5	20.5
5 1	13 37.10	−23 40.3	4.176	5.153	3.1	20.6
5 11	13 32.54	−22 58.8	4.214	5.154	4.5	20.7
5 21	13 28.80	−22 16.7	4.279	5.155	6.2	20.8

414784 2010 RT_{25} 4 17.8 262°.93 1°.2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.66	−11 52.0	1.651	2.479	15.6	21.0
3 22	14 4.05	−11 0.9	1.558	2.465	12.1	20.8
4 1	13 57.91	− 9 53.8	1.487	2.452	7.8	20.5
4 11	13 49.89	− 8 35.3	1.441	2.438	3.2	20.1
4 21	13 40.96	− 7 12.1	1.422	2.424	2.4	20.1
5 1	13 32.28	− 5 52.9	1.430	2.409	7.3	20.3
5 11	13 24.98	− 4 45.9	1.462	2.395	11.9	20.5
5 21	13 19.84	− 3 56.7	1.517	2.380	16.0	20.8

227120 2005 NE_{85} 4 17.8 277°.44 0°.7/18.5 18

3 12	14 6.29	−17 34.3	1.780	2.588	15.5	20.1
3 22	14 2.95	−16 42.3	1.673	2.567	12.2	19.8
4 1	13 57.19	−15 29.1	1.589	2.545	8.3	19.5
4 11	13 49.61	−13 57.1	1.529	2.523	3.7	19.2
4 21	13 41.08	−12 12.4	1.497	2.501	1.4	19.0
5 1	13 32.73	−10 23.8	1.493	2.478	6.3	19.2
5 11	13 25.64	− 8 41.2	1.515	2.455	10.9	19.4
5 21	13 20.59	− 7 13.0	1.560	2.432	15.1	19.6

199130 2005 YJ_{95} 4 17.8 308°.99 8°.0/24.7 18

3 12	14 7.75	−32 22.7	1.798	2.536	17.9	19.6
3 22	14 4.39	−32 58.2	1.701	2.526	15.5	19.4
4 1	13 58.29	−33 9.3	1.622	2.516	12.7	19.2
4 11	13 50.10	−32 52.5	1.564	2.506	10.0	19.0
4 21	13 40.85	−32 7.0	1.530	2.496	8.1	18.9
5 1	13 31.83	−30 56.2	1.521	2.487	8.4	18.9
5 11	13 24.31	−29 28.3	1.536	2.478	10.7	19.0
5 21	13 19.15	−27 53.3	1.575	2.469	13.8	19.1

141112 2001 XV_{65} 4 17.8 146°.96 0°.8/18.7 18

3 12	14 5.96	−15 48.8	2.659	3.451	11.4	20.8
3 22	14 1.66	−15 27.4	2.573	3.457	8.8	20.6
4 1	13 55.78	−14 55.4	2.510	3.462	5.9	20.5
4 11	13 48.85	−14 14.8	2.475	3.468	2.7	20.3
4 21	13 41.49	−13 28.7	2.470	3.473	1.1	20.1
5 1	13 34.39	−12 41.0	2.493	3.478	4.2	20.4
5 11	13 28.20	−11 56.0	2.545	3.483	7.2	20.6
5 21	13 23.38	−11 17.4	2.623	3.487	10.0	20.8

217923 2001 SR_{345} 4 17.8 227°.23 6°.5/23.2 18

3 12	14 11.27	−29 2.0	1.946	2.689	16.6	20.2
3 22	14 6.78	−29 36.6	1.851	2.684	14.1	20.0
4 1	13 59.68	−29 50.7	1.774	2.679	11.2	19.8
4 11	13 50.63	−29 41.6	1.721	2.674	8.3	19.6
4 21	13 40.61	−29 9.1	1.693	2.668	6.6	19.5
5 1	13 30.83	−28 16.5	1.691	2.662	7.3	19.5
5 11	13 22.44	−27 10.8	1.716	2.656	9.9	19.6
5 21	13 16.28	−26 0.4	1.764	2.649	13.0	19.8

465920 2010 VZ_{209} 4 17.8 79°.63 3°.5/20.5 17

3 12	14 10.74	−20 45.6	1.648	2.442	17.1	20.9
3 22	14 6.36	−20 57.9	1.572	2.451	13.8	20.7
4 1	13 59.34	−20 51.5	1.517	2.460	9.8	20.5
4 11	13 50.43	−20 26.7	1.485	2.468	5.8	20.3
4 21	13 40.74	−19 46.2	1.479	2.477	3.5	20.2
5 1	13 31.51	−18 55.5	1.499	2.486	6.1	20.3
5 11	13 23.88	−18 2.4	1.546	2.494	10.1	20.6
5 21	13 18.58	−17 13.9	1.614	2.503	13.9	20.8

331907 2004 RH_{18} 4 17.8 262°.76 3°.7/14.2 17

3 12	14 9.40	− 2 24.0	2.215	3.041	12.2	21.8
3 22	14 4.79	− 1 31.3	2.108	3.014	9.5	21.5
4 1	13 58.13	− 0 32.9	2.026	2.987	6.4	21.3
4 11	13 49.94	+ 0 26.0	1.971	2.959	3.9	21.1
4 21	13 40.95	+ 1 19.8	1.944	2.931	4.7	21.1
5 1	13 32.05	+ 2 2.9	1.946	2.901	7.8	21.2
5 11	13 24.11	+ 2 30.9	1.975	2.871	11.2	21.4
5 21	13 17.83	+ 2 41.6	2.025	2.840	14.4	21.5

243977 2001 RB_{32} 4 17.8 279°.68 3°.3/19.9 16

3 12	14 9.71	−19 42.3	1.415	2.226	18.6	20.7
3 22	14 6.28	−19 48.2	1.322	2.212	15.0	20.5
4 1	13 59.75	−19 33.1	1.248	2.198	10.7	20.2
4 11	13 50.78	−18 56.8	1.197	2.184	6.0	19.9
4 21	13 40.53	−18 1.9	1.170	2.170	3.3	19.6
5 1	13 30.49	−16 55.2	1.168	2.156	7.1	19.8
5 11	13 22.12	−15 46.6	1.190	2.142	12.1	20.1
5 21	13 16.46	−14 45.5	1.233	2.128	16.8	20.3

11569 Virgilsmith 4 17.8 304°.70 4°.7/12.2 18

3 12	14 2.50	− 1 52.7	2.078	2.920	12.3	16.8
3 22	13 59.51	− 0 16.2	1.989	2.904	9.4	16.5
4 1	13 54.65	+ 1 27.6	1.925	2.888	6.5	16.3
4 11	13 48.47	+ 3 11.5	1.888	2.872	4.7	16.2
4 21	13 41.67	+ 4 47.6	1.880	2.856	5.9	16.2
5 1	13 35.08	+ 6 8.4	1.899	2.841	8.8	16.4
5 11	13 29.48	+ 7 8.7	1.942	2.825	12.0	16.5
5 21	13 25.48	+ 7 46.1	2.007	2.810	14.9	16.7

437788 2015 CH_{32} 4 17.8 113°.40 2°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.19	− 4 47.9	2.292	3.115	12.0	21.8
3 22	14 3.37	− 3 42.4	2.230	3.136	9.0	21.6
4 1	13 56.86	− 2 31.6	2.193	3.156	5.8	21.5
4 11	13 49.27	− 1 21.0	2.185	3.176	3.2	21.3
4 21	13 41.34	− 0 16.1	2.206	3.195	3.8	21.4
5 1	13 33.83	+ 0 38.2	2.255	3.214	6.6	21.6
5 11	13 27.42	+ 1 18.3	2.332	3.232	9.6	21.8
5 21	13 22.58	+ 1 42.5	2.431	3.249	12.2	22.0

208431 2001 TZ_{69} 4 17.8 178°.65 0°.4/18.2 18

3 12	14 6.49	−14 11.9	2.501	3.301	11.8	21.1
3 22	14 2.19	−13 50.8	2.412	3.302	9.1	20.9
4 1	13 56.20	−13 19.5	2.347	3.302	6.0	20.7
4 11	13 49.06	−12 40.1	2.308	3.302	2.6	20.5
4 21	13 41.42	−11 56.0	2.299	3.302	1.1	20.4
5 1	13 34.03	−11 11.2	2.319	3.302	4.5	20.6
5 11	13 27.58	−10 30.2	2.366	3.302	7.8	20.8
5 21	13 22.59	− 9 56.6	2.439	3.301	10.7	21.0

309802 2009 BH_{65} 4 17.8 193°.99 3°.7/14.6 18

3 12	14 10.06	− 4 39.3	1.737	2.571	14.7	21.1
3 22	14 5.57	− 3 35.4	1.658	2.569	11.2	20.8
4 1	13 58.70	− 2 23.3	1.603	2.568	7.4	20.6
4 11	13 50.16	− 1 9.7	1.574	2.565	4.1	20.4
4 21	13 40.90	− 0 2.0	1.572	2.562	4.8	20.4
5 1	13 32.03	+ 0 52.7	1.597	2.559	8.5	20.6
5 11	13 24.54	+ 1 29.0	1.647	2.555	12.4	20.9
5 21	13 19.13	+ 1 45.0	1.718	2.551	15.8	21.1

119493 2001 UA_{79} 4 17.8 72°.48 0°.5/17.4 18

3 12	14 10.76	−11 12.9	1.675	2.498	15.7	19.9
3 22	14 6.02	−10 55.2	1.613	2.516	12.0	19.7
4 1	13 58.90	−10 26.5	1.572	2.534	7.7	19.5
4 11	13 50.20	− 9 50.3	1.556	2.552	3.1	19.2
4 21	13 40.94	− 9 11.6	1.568	2.571	1.8	19.1
5 1	13 32.25	− 8 35.9	1.606	2.589	6.3	19.5
5 11	13 25.10	− 8 8.6	1.670	2.607	10.4	19.8
5 21	13 20.10	− 7 53.0	1.757	2.625	13.9	20.0

419287 2009 WQ_{28} 4 17.8 13°.88 4°.6/22.3 17

3 12	14 6.07	−26 36.8	1.780	2.551	16.9	20.4
3 22	14 2.74	−26 22.6	1.693	2.552	14.0	20.2
4 1	13 56.97	−25 44.0	1.626	2.553	10.5	20.0
4 11	13 49.48	−24 41.2	1.582	2.554	6.9	19.7
4 21	13 41.24	−23 17.3	1.563	2.555	4.7	19.6
5 1	13 33.41	−21 39.5	1.572	2.557	6.1	19.7
5 11	13 27.01	−19 57.2	1.607	2.558	9.6	19.9
5 21	13 22.74	−18 19.9	1.665	2.560	13.2	20.1

168947 2000 YB_{139} 4 17.8 203°.65 2°.2/15.9 18

3 12	14 11.61	− 7 13.6	1.944	2.765	13.9	20.9
3 22	14 6.59	− 6 35.0	1.856	2.760	10.6	20.7
4 1	13 59.32	− 5 48.1	1.792	2.755	6.9	20.5
4 11	13 50.43	− 4 57.1	1.754	2.749	3.1	20.2
4 21	13 40.82	− 4 7.5	1.745	2.743	3.1	20.2
5 1	13 31.51	− 3 24.9	1.764	2.735	7.0	20.4
5 11	13 23.46	− 2 54.4	1.809	2.728	10.9	20.6
5 21	13 17.34	− 2 38.7	1.877	2.719	14.3	20.8

467420 2005 UC_{166} 4 17.8 314°.51 0°.7/18.4 17

3 12	14 6.07	−15 4.7	1.570	2.394	16.4	21.2
3 22	14 3.00	−14 43.8	1.480	2.382	12.9	20.9
4 1	13 57.33	−14 6.0	1.410	2.371	8.6	20.6
4 11	13 49.71	−13 13.8	1.365	2.359	3.8	20.3
4 21	13 41.15	−12 12.2	1.345	2.348	1.5	20.1
5 1	13 32.85	−11 8.6	1.351	2.338	6.5	20.4
5 11	13 25.98	−10 11.0	1.381	2.328	11.3	20.6
5 21	13 21.36	− 9 25.9	1.434	2.318	15.5	20.9

383993 2008 TR_{165} 4 17.8 187°.91 0°.2/17.6 17

3 12	14 9.55	−11 18.3	2.349	3.154	12.3	22.4
3 22	14 4.64	−11 7.3	2.259	3.153	9.5	22.2
4 1	13 57.87	−10 47.9	2.194	3.153	6.2	22.0
4 11	13 49.79	−10 22.5	2.156	3.151	2.5	21.7
4 21	13 41.15	− 9 54.1	2.147	3.150	1.3	21.6
5 1	13 32.75	− 9 26.5	2.167	3.148	5.0	21.9
5 11	13 25.39	− 9 3.7	2.214	3.146	8.5	22.1
5 21	13 19.63	− 8 48.8	2.286	3.143	11.5	22.3

277308 2005 SF_{169} 4 17.8 112°.18 1°.4/19.2 17

3 12	14 10.33	−17 24.6	2.040	2.833	14.3	22.1
3 22	14 5.39	−17 5.7	1.967	2.850	11.2	21.9
4 1	13 58.37	−16 32.3	1.917	2.867	7.6	21.7
4 11	13 49.98	−15 46.6	1.893	2.884	3.7	21.5
4 21	13 41.09	−14 52.7	1.897	2.900	1.6	21.4
5 1	13 32.65	−13 55.9	1.930	2.915	5.1	21.7
5 11	13 25.51	−13 2.3	1.989	2.930	8.7	21.9
5 21	13 20.25	−12 16.7	2.074	2.945	12.0	22.2

253022 2002 RX_{230} 4 17.8 274°.18 0°.3/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.07	−11 22.8	1.703	2.524	15.5	20.7
3 22	14 6.76	−11 14.5	1.602	2.504	12.1	20.4
4 1	13 59.80	−10 54.9	1.523	2.484	8.0	20.2
4 11	13 50.77	−10 26.2	1.468	2.464	3.3	19.8
4 21	13 40.64	− 9 52.5	1.440	2.444	1.7	19.6
5 1	13 30.62	− 9 19.1	1.440	2.423	6.7	19.9
5 11	13 21.93	− 8 52.2	1.465	2.402	11.5	20.1
5 21	13 15.47	− 8 36.4	1.511	2.381	15.7	20.3

189558 2000 SL_{81} 4 17.8 297°.42 2°.0/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.59	− 8 44.9	1.681	2.516	15.0	20.0
3 22	14 3.26	− 8 4.3	1.582	2.494	11.6	19.7
4 1	13 57.46	− 7 11.6	1.506	2.473	7.5	19.4
4 11	13 49.78	− 6 11.4	1.455	2.451	3.3	19.1
4 21	13 41.12	− 5 10.0	1.429	2.429	3.1	19.0
5 1	13 32.61	− 4 14.6	1.431	2.408	7.6	19.2
5 11	13 25.37	− 3 32.2	1.457	2.386	12.2	19.4
5 21	13 20.22	− 3 7.1	1.504	2.365	16.2	19.6

292545 2006 TQ_{54} 4 17.8 159°.87 1°.7/19.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.85	−18 7.6	1.922	2.716	15.0	21.2
3 22	14 5.30	−17 48.9	1.837	2.721	11.8	21.0
4 1	13 58.49	−17 14.0	1.775	2.725	8.1	20.8
4 11	13 50.09	−16 24.8	1.738	2.728	4.1	20.6
4 21	13 41.03	−15 25.1	1.729	2.731	1.9	20.4
5 1	13 32.33	−14 21.1	1.748	2.734	5.4	20.6
5 11	13 24.96	−13 19.5	1.794	2.737	9.4	20.9
5 21	13 19.58	−12 26.3	1.863	2.738	12.9	21.1

491074 2011 RT_{8} 4 17.8 321°.02 3°.4/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.71	−21 1.3	2.033	2.817	14.7	21.1
3 22	14 3.75	−21 19.3	1.939	2.810	11.9	20.9
4 1	13 57.57	−21 22.1	1.866	2.804	8.6	20.7
4 11	13 49.76	−21 9.7	1.817	2.797	5.3	20.5
4 21	13 41.16	−20 43.5	1.795	2.791	3.4	20.3
5 1	13 32.77	−20 7.2	1.801	2.785	5.5	20.4
5 11	13 25.56	−19 26.5	1.833	2.779	8.9	20.6
5 21	13 20.24	−18 47.2	1.888	2.774	12.3	20.8

440902 2006 UF_{337} 4 17.8 81°.18 2°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.93	−20 9.2	2.353	3.137	12.9	21.0
3 22	14 1.17	−19 46.1	2.265	3.140	10.3	20.8
4 1	13 55.63	−19 7.9	2.199	3.143	7.2	20.6
4 11	13 48.87	−18 16.3	2.159	3.145	3.9	20.4
4 21	13 41.61	−17 14.8	2.148	3.148	2.0	20.3
5 1	13 34.63	−16 8.2	2.165	3.151	4.5	20.5
5 11	13 28.67	−15 2.4	2.209	3.154	7.8	20.7
5 21	13 24.26	−14 2.6	2.279	3.157	10.8	20.9

257677 1999 VY_{125} 4 17.8 135°.93 0°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.67	−14 44.2	1.942	2.744	14.6	21.6
3 22	14 6.53	−14 19.4	1.867	2.757	11.3	21.4
4 1	13 59.18	−13 41.2	1.814	2.769	7.5	21.1
4 11	13 50.34	−12 52.4	1.787	2.781	3.2	20.9
4 21	13 40.93	−11 57.5	1.788	2.792	1.3	20.8
5 1	13 31.98	−11 2.3	1.819	2.802	5.5	21.1
5 11	13 24.38	−10 12.9	1.876	2.812	9.5	21.3
5 21	13 18.76	− 9 33.8	1.957	2.821	12.9	21.6

98778 2000 YX_{85} 4 17.8 15°.24 12°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.52	+16 17.6	1.426	2.273	16.6	17.6
3 22	14 3.18	+17 57.5	1.385	2.278	14.3	17.5
4 1	13 57.23	+19 22.2	1.364	2.283	12.7	17.4
4 11	13 49.57	+20 20.7	1.365	2.290	12.5	17.4
4 21	13 41.33	+20 45.3	1.387	2.298	13.7	17.5
5 1	13 33.73	+20 32.7	1.431	2.306	15.8	17.7
5 11	13 27.81	+19 44.9	1.493	2.315	18.1	17.8
5 21	13 24.19	+18 27.5	1.571	2.326	20.3	18.0

504546 2008 SX_{139} 4 17.8 219°.05 1°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.57	−17 40.6	2.502	3.283	12.3	22.8
3 22	14 4.70	−17 33.2	2.398	3.273	9.8	22.6
4 1	13 57.96	−17 13.6	2.317	3.263	6.7	22.4
4 11	13 49.88	−16 42.9	2.264	3.252	3.5	22.2
4 21	13 41.15	−16 3.6	2.239	3.241	1.7	22.0
5 1	13 32.60	−15 19.5	2.244	3.229	4.5	22.2
5 11	13 25.00	−14 35.2	2.277	3.216	7.9	22.4
5 21	13 18.95	−13 55.4	2.336	3.203	11.0	22.6

502568 2015 BK_{497} 4 17.8 82°.75 1°.8/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.86	− 8 13.6	1.848	2.676	14.2	21.9
3 22	14 3.76	− 7 37.3	1.771	2.679	10.8	21.7
4 1	13 57.47	− 6 52.1	1.717	2.682	6.9	21.4
4 11	13 49.68	− 6 2.3	1.689	2.685	3.0	21.2
4 21	13 41.28	− 5 13.6	1.688	2.688	2.8	21.2
5 1	13 33.24	− 4 31.5	1.715	2.691	6.7	21.4
5 11	13 26.49	− 4 1.1	1.767	2.694	10.6	21.7
5 21	13 21.64	− 3 45.1	1.842	2.696	14.0	21.9

20687 Saletore 4 17.8 278°.72 2°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.25	− 5 32.7	1.922	2.748	13.8	18.4
3 22	14 5.63	− 5 18.1	1.832	2.739	10.6	18.2
4 1	13 58.76	− 4 58.2	1.766	2.730	6.9	17.9
4 11	13 50.26	− 4 36.6	1.726	2.721	3.2	17.7
4 21	13 40.99	− 4 17.5	1.713	2.712	3.1	17.6
5 1	13 31.97	− 4 5.2	1.729	2.702	6.9	17.9
5 11	13 24.17	− 4 3.4	1.770	2.693	10.8	18.1
5 21	13 18.28	− 4 14.1	1.833	2.684	14.2	18.3

192522 1998 RJ_{76} 4 17.8 232°.65 2°.5/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.58	− 7 50.7	1.781	2.605	14.8	20.8
3 22	14 6.91	− 6 58.6	1.686	2.592	11.4	20.5
4 1	13 59.74	− 5 55.0	1.613	2.577	7.4	20.2
4 11	13 50.71	− 4 45.1	1.567	2.562	3.4	19.9
4 21	13 40.77	− 3 35.5	1.548	2.546	3.6	19.9
5 1	13 31.04	− 2 33.8	1.558	2.529	7.8	20.1
5 11	13 22.63	− 1 46.5	1.592	2.511	12.1	20.3
5 21	13 16.33	− 1 17.5	1.649	2.492	15.9	20.5

506432 2000 UN_{3} 4 17.8 249°.63 1°.0/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.69	− 9 38.3	2.394	3.200	12.1	22.6
3 22	14 5.68	− 9 14.3	2.282	3.177	9.3	22.4
4 1	13 58.69	− 8 41.8	2.194	3.154	6.1	22.2
4 11	13 50.24	− 8 3.5	2.134	3.130	2.5	21.9
4 21	13 41.02	− 7 23.1	2.103	3.105	1.9	21.8
5 1	13 31.88	− 6 45.0	2.102	3.079	5.6	22.0
5 11	13 23.66	− 6 13.6	2.129	3.052	9.2	22.2
5 21	13 17.02	− 5 52.2	2.180	3.025	12.5	22.3

295233 2008 GW_{13} 4 17.8 334°.42 0°.9/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.35	− 9 44.8	2.262	3.081	12.2	21.0
3 22	14 1.52	− 9 21.0	2.175	3.078	9.3	20.8
4 1	13 55.90	− 8 49.0	2.112	3.075	6.0	20.6
4 11	13 49.03	− 8 11.9	2.076	3.072	2.4	20.4
4 21	13 41.61	− 7 33.7	2.067	3.069	1.8	20.3
5 1	13 34.44	− 6 58.7	2.087	3.066	5.4	20.6
5 11	13 28.27	− 6 31.0	2.134	3.064	8.8	20.8
5 21	13 23.64	− 6 13.6	2.204	3.062	11.9	21.0

4907 Zoser 4 17.8 117°.99 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.50	− 5 6.7	2.489	3.313	11.1	17.6
3 22	14 1.36	− 4 22.3	2.414	3.320	8.4	17.4
4 1	13 55.64	− 3 33.1	2.364	3.328	5.4	17.2
4 11	13 48.87	− 2 43.1	2.342	3.335	2.8	17.1
4 21	13 41.70	− 1 56.6	2.349	3.342	3.1	17.1
5 1	13 34.83	− 1 17.9	2.384	3.349	5.9	17.3
5 11	13 28.89	− 0 50.2	2.446	3.356	8.8	17.5
5 21	13 24.34	− 0 35.3	2.532	3.362	11.4	17.7

378282 2007 EA_{96} 4 17.8 76°.19 12°.5/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 32.27	−25 32.5	1.030	1.812	25.9	20.6
3 22	14 25.61	−28 35.4	0.968	1.824	22.1	20.4
4 1	14 13.58	−31 21.5	0.922	1.836	17.9	20.2
4 11	13 56.97	−33 35.4	0.897	1.848	14.1	20.0
4 21	13 37.81	−35 3.8	0.895	1.860	12.5	19.9
5 1	13 19.12	−35 43.0	0.915	1.872	13.9	20.1
5 11	13 3.78	−35 42.6	0.957	1.884	17.2	20.3
5 21	12 53.43	−35 19.0	1.017	1.896	20.9	20.6

496165 2010 XW_{3} 4 17.8 271°.06 3°.1/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.45	−23 42.2	1.694	2.482	17.0	21.4
3 22	14 3.20	−23 3.1	1.598	2.473	13.8	21.2
4 1	13 57.41	−21 58.1	1.523	2.464	10.0	20.9
4 11	13 49.77	−20 28.4	1.471	2.455	5.8	20.6
4 21	13 41.27	−18 39.0	1.445	2.445	3.1	20.5
5 1	13 33.10	−16 38.7	1.448	2.436	6.0	20.6
5 11	13 26.36	−14 38.9	1.476	2.426	10.4	20.8
5 21	13 21.83	−12 49.8	1.528	2.417	14.5	21.1

200622 2001 SF_{101} 4 17.8 83°.81 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.51	−12 7.0	1.377	2.212	17.8	20.6
3 22	14 5.69	−11 21.9	1.309	2.220	13.6	20.4
4 1	13 59.04	−10 20.4	1.262	2.227	8.8	20.1
4 11	13 50.42	− 9 7.9	1.238	2.235	3.5	19.8
4 21	13 41.02	− 7 52.4	1.241	2.243	2.4	19.8
5 1	13 32.20	− 6 42.9	1.269	2.251	7.6	20.1
5 11	13 25.14	− 5 47.5	1.321	2.259	12.4	20.4
5 21	13 20.58	− 5 11.1	1.394	2.267	16.6	20.7

96754 1999 RF_{18} 4 17.8 207°.72 0°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.55	−14 23.8	2.162	2.965	13.3	20.4
3 22	14 4.11	−14 5.9	2.070	2.961	10.3	20.2
4 1	13 57.67	−13 36.1	2.002	2.958	6.9	20.0
4 11	13 49.80	−12 56.7	1.960	2.954	3.0	19.7
4 21	13 41.28	−12 11.2	1.946	2.950	1.2	19.6
5 1	13 33.03	−11 24.5	1.961	2.945	5.1	19.8
5 11	13 25.88	−10 41.8	2.003	2.940	8.9	20.1
5 21	13 20.45	−10 7.4	2.069	2.935	12.2	20.2

185487 2007 ED_{139} 4 17.8 284°.14 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.86	− 9 18.0	4.376	5.180	7.0	20.5
3 22	13 56.51	− 9 1.4	4.280	5.175	5.3	20.4
4 1	13 52.28	− 8 40.9	4.211	5.171	3.4	20.2
4 11	13 47.46	− 8 18.0	4.170	5.166	1.4	20.1
4 21	13 42.39	− 7 54.7	4.160	5.162	1.0	20.0
5 1	13 37.42	− 7 32.9	4.180	5.157	3.0	20.2
5 11	13 32.92	− 7 14.3	4.229	5.153	5.0	20.3
5 21	13 29.16	− 7 0.7	4.304	5.148	6.8	20.4

463731 2014 QQ_{330} 4 17.8 228°.40 2°.3/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.84	− 6 35.2	1.836	2.658	14.5	22.4
3 22	14 7.79	− 6 5.8	1.743	2.648	11.2	22.1
4 1	14 0.27	− 5 28.5	1.673	2.636	7.3	21.9
4 11	13 50.95	− 4 47.5	1.629	2.624	3.3	21.6
4 21	13 40.74	− 4 8.2	1.613	2.611	3.3	21.5
5 1	13 30.77	− 3 36.0	1.625	2.598	7.3	21.8
5 11	13 22.10	− 3 16.0	1.663	2.584	11.5	22.0
5 21	13 15.52	− 3 10.8	1.724	2.569	15.2	22.2

211567 2003 SH_{126} 4 17.8 204°.20 0°.5/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.92	−12 4.8	2.058	2.866	13.7	21.3
3 22	14 6.02	−11 30.2	1.965	2.861	10.6	21.1
4 1	13 58.97	−10 43.7	1.895	2.855	6.9	20.9
4 11	13 50.37	− 9 48.6	1.852	2.848	2.8	20.6
4 21	13 41.06	− 8 49.5	1.838	2.841	1.7	20.5
5 1	13 32.02	− 7 52.3	1.853	2.833	5.9	20.8
5 11	13 24.16	− 7 2.8	1.895	2.824	9.8	21.0
5 21	13 18.15	− 6 25.3	1.960	2.814	13.3	21.2

125403 2001 VH_{103} 4 17.8 331°.21 3°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.25	−18 58.4	1.197	2.028	20.1	19.3
3 22	14 4.03	−19 10.6	1.115	2.017	16.2	19.0
4 1	13 58.51	−19 0.3	1.050	2.006	11.5	18.7
4 11	13 50.41	−18 27.6	1.007	1.996	6.4	18.4
4 21	13 40.99	−17 35.6	0.986	1.987	3.4	18.2
5 1	13 31.87	−16 32.1	0.989	1.979	7.5	18.4
5 11	13 24.64	−15 27.9	1.013	1.972	12.9	18.7
5 21	13 20.34	−14 32.9	1.057	1.966	17.8	18.9

208939 2002 VR_{50} 4 17.9 121°.18 2°.9/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.32	− 1 58.8	2.313	3.132	12.0	20.6
3 22	14 5.88	− 1 43.2	2.239	3.141	9.1	20.4
4 1	13 58.62	− 1 25.8	2.190	3.150	6.0	20.3
4 11	13 50.14	− 1 10.4	2.168	3.158	3.3	20.1
4 21	13 41.20	− 1 0.4	2.176	3.167	3.6	20.1
5 1	13 32.61	− 0 58.7	2.212	3.175	6.4	20.3
5 11	13 25.13	− 1 7.4	2.275	3.183	9.5	20.5
5 21	13 19.28	− 1 27.3	2.363	3.190	12.2	20.7

263911 2009 FS_{61} 4 17.9 308°.73 0°.7/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.53	−14 37.5	2.080	2.890	13.5	21.0
3 22	14 2.01	−14 25.3	1.978	2.873	10.6	20.7
4 1	13 56.44	−14 0.8	1.900	2.857	7.1	20.5
4 11	13 49.36	−13 26.0	1.846	2.840	3.2	20.2
4 21	13 41.52	−12 44.1	1.820	2.824	1.3	20.0
5 1	13 33.83	−12 0.0	1.822	2.808	5.3	20.3
5 11	13 27.19	−11 19.1	1.851	2.793	9.2	20.5
5 21	13 22.28	−10 46.1	1.902	2.777	12.7	20.7

335558 2006 BC_{194} 4 17.9 261°.61 2°.2/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 58.59	− 0 28.1	4.486	5.309	6.5	21.2
3 22	13 55.52	+ 0 11.5	4.400	5.304	5.0	21.1
4 1	13 51.64	+ 0 52.1	4.341	5.299	3.4	20.9
4 11	13 47.20	+ 1 31.4	4.311	5.295	2.3	20.8
4 21	13 42.55	+ 2 6.9	4.310	5.290	2.7	20.9
5 1	13 38.00	+ 2 36.7	4.339	5.285	4.2	21.0
5 11	13 33.89	+ 2 58.9	4.396	5.280	5.8	21.1
5 21	13 30.49	+ 3 12.7	4.478	5.275	7.4	21.2

43441 2000 YS_{61} 4 17.9 104°.51 3°.1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.17	− 4 30.2	1.986	2.816	13.2	19.5
3 22	14 3.76	− 3 40.8	1.917	2.827	10.0	19.3
4 1	13 57.36	− 2 45.9	1.873	2.837	6.5	19.1
4 11	13 49.64	− 1 50.9	1.855	2.847	3.5	19.0
4 21	13 41.44	− 1 1.2	1.865	2.857	4.0	19.0
5 1	13 33.64	− 0 22.2	1.903	2.867	7.2	19.2
5 11	13 27.07	+ 0 2.5	1.966	2.876	10.6	19.4
5 21	13 22.26	+ 0 11.1	2.052	2.886	13.5	19.6

85580 1998 DO_{20} 4 17.9 142°.11 7°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.33	−29 38.5	1.962	2.697	16.7	18.5
3 22	14 8.40	−30 33.1	1.873	2.700	14.2	18.3
4 1	14 0.80	−31 8.1	1.805	2.702	11.4	18.1
4 11	13 51.22	−31 20.4	1.759	2.704	8.8	18.0
4 21	13 40.66	−31 8.8	1.738	2.706	7.2	17.9
5 1	13 30.36	−30 35.8	1.744	2.708	7.7	17.9
5 11	13 21.51	−29 47.8	1.776	2.710	10.0	18.1
5 21	13 14.95	−28 52.4	1.831	2.712	12.8	18.2

392135 2009 GH_{4} 4 17.9 311°.03 5°.0/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.95	+ 1 53.8	2.097	2.935	12.4	20.3
3 22	14 2.14	+ 2 42.9	2.013	2.923	9.6	20.1
4 1	13 56.40	+ 3 33.1	1.952	2.910	6.8	19.9
4 11	13 49.30	+ 4 18.4	1.918	2.898	5.0	19.7
4 21	13 41.58	+ 4 53.5	1.911	2.886	5.9	19.8
5 1	13 34.09	+ 5 13.8	1.930	2.875	8.5	19.9
5 11	13 27.66	+ 5 16.3	1.974	2.863	11.6	20.1
5 21	13 22.87	+ 5 0.7	2.040	2.852	14.4	20.2

400510 2008 OA_{13} 4 17.9 235°.74 0°.3/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.86	−12 49.5	1.577	2.397	16.6	22.1
3 22	14 7.51	−12 20.6	1.484	2.386	12.9	21.8
4 1	14 0.35	−11 36.0	1.413	2.375	8.5	21.5
4 11	13 51.07	−10 39.2	1.366	2.362	3.5	21.2
4 21	13 40.74	− 9 35.5	1.346	2.350	1.8	21.0
5 1	13 30.66	− 8 32.8	1.353	2.336	7.1	21.3
5 11	13 22.09	− 7 39.0	1.385	2.322	12.0	21.6
5 21	13 15.92	− 7 0.1	1.439	2.308	16.4	21.8

73535 2003 OB_{14} 4 17.9 157°.72 2°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.23	−22 30.8	2.993	3.754	10.9	19.1
3 22	14 0.29	−22 2.2	2.899	3.758	8.8	19.0
4 1	13 54.92	−21 20.1	2.828	3.761	6.3	18.8
4 11	13 48.61	−20 25.7	2.785	3.764	3.7	18.7
4 21	13 41.92	−19 21.9	2.770	3.768	2.2	18.5
5 1	13 35.47	−18 12.6	2.786	3.770	3.8	18.7
5 11	13 29.83	−17 2.5	2.830	3.773	6.4	18.8
5 21	13 25.43	−15 56.1	2.901	3.775	8.8	19.0

502157 2015 BQ_{41} 4 17.9 245°.07 4°.7/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.41	− 0 2.6	1.861	2.695	13.8	21.7
3 22	14 5.79	+ 0 41.7	1.778	2.687	10.7	21.5
4 1	13 58.89	+ 1 28.6	1.718	2.679	7.4	21.2
4 11	13 50.37	+ 2 12.0	1.684	2.670	4.9	21.1
4 21	13 41.10	+ 2 46.0	1.678	2.661	5.6	21.1
5 1	13 32.14	+ 3 5.3	1.698	2.652	8.8	21.3
5 11	13 24.44	+ 3 6.8	1.743	2.643	12.3	21.5
5 21	13 18.71	+ 2 49.8	1.810	2.633	15.5	21.6

96419 1998 FN_{16} 4 17.9 104°.49 3°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.14	− 6 3.5	1.646	2.479	15.4	19.3
3 22	14 6.31	− 4 57.0	1.587	2.498	11.7	19.1
4 1	13 59.11	− 3 42.2	1.552	2.517	7.5	18.9
4 11	13 50.38	− 2 26.1	1.542	2.535	3.9	18.7
4 21	13 41.15	− 1 16.3	1.559	2.553	4.4	18.8
5 1	13 32.52	− 0 19.9	1.604	2.570	8.1	19.0
5 11	13 25.45	+ 0 18.3	1.673	2.586	11.9	19.3
5 21	13 20.52	+ 0 36.6	1.764	2.602	15.2	19.6

72575 2001 ET_{16} 4 17.9 94°.80 1°.1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.15	−15 37.2	1.642	2.451	16.5	20.2
3 22	14 7.27	−15 23.8	1.575	2.468	12.9	20.0
4 1	13 59.85	−14 55.0	1.530	2.485	8.6	19.8
4 11	13 50.73	−14 13.5	1.509	2.502	3.9	19.5
4 21	13 40.98	−13 23.8	1.515	2.519	1.6	19.4
5 1	13 31.81	−12 32.4	1.548	2.535	6.0	19.7
5 11	13 24.25	−11 46.2	1.608	2.550	10.3	20.0
5 21	13 18.96	−11 10.2	1.690	2.566	14.0	20.3

410485 2008 DU_{31} 4 17.9 80°.10 2°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.66	− 8 6.4	1.591	2.423	15.9	20.9
3 22	14 6.11	− 7 31.4	1.528	2.438	12.1	20.7
4 1	13 59.09	− 6 47.0	1.487	2.452	7.7	20.5
4 11	13 50.41	− 5 58.4	1.471	2.467	3.3	20.2
4 21	13 41.14	− 5 11.7	1.481	2.481	3.1	20.2
5 1	13 32.43	− 4 33.1	1.519	2.496	7.3	20.5
5 11	13 25.31	− 4 7.6	1.581	2.510	11.4	20.8
5 21	13 20.39	− 3 57.8	1.665	2.524	15.0	21.1

119666 2001 XQ_{73} 4 17.9 82°.83 1°.9/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.80	− 8 54.7	1.814	2.639	14.6	20.1
3 22	14 5.04	− 8 0.7	1.758	2.664	11.0	19.9
4 1	13 58.17	− 6 57.4	1.725	2.689	7.0	19.7
4 11	13 49.97	− 5 50.2	1.718	2.714	3.0	19.5
4 21	13 41.36	− 4 45.5	1.740	2.738	2.9	19.6
5 1	13 33.33	− 3 49.5	1.789	2.763	6.7	19.9
5 11	13 26.72	− 3 7.2	1.864	2.786	10.4	20.1
5 21	13 22.05	− 2 41.0	1.962	2.810	13.5	20.4

102497 1999 TY_{278} 4 17.9 305°.11 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.72	−11 32.4	1.470	2.300	17.1	19.1
3 22	14 6.85	−11 37.4	1.381	2.287	13.4	18.9
4 1	14 0.04	−11 30.9	1.312	2.275	8.8	18.6
4 11	13 51.00	−11 14.9	1.268	2.264	3.7	18.2
4 21	13 40.80	−10 53.2	1.248	2.252	1.7	18.1
5 1	13 30.83	−10 31.2	1.255	2.241	7.1	18.4
5 11	13 22.44	−10 15.1	1.285	2.230	12.1	18.6
5 21	13 16.56	−10 9.5	1.337	2.219	16.6	18.8

33208 1998 FL_{65} 4 17.9 182°.77 0°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.02	−14 40.9	2.539	3.338	11.6	19.6
3 22	14 1.09	−14 1.0	2.448	3.339	9.0	19.4
4 1	13 55.55	−13 9.6	2.382	3.339	5.9	19.2
4 11	13 48.91	−12 9.6	2.344	3.338	2.5	18.9
4 21	13 41.81	−11 4.9	2.334	3.338	1.1	18.8
5 1	13 34.96	−10 0.4	2.354	3.337	4.5	19.1
5 11	13 29.02	− 9 1.2	2.402	3.336	7.8	19.3
5 21	13 24.48	− 8 11.1	2.476	3.335	10.7	19.5

276435 2003 CF_{1} 4 17.9 48°.31 4°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.17	− 2 18.9	1.455	2.304	16.2	20.0
3 22	14 5.09	− 1 28.6	1.401	2.319	12.3	19.8
4 1	13 58.45	− 0 34.2	1.369	2.335	8.2	19.6
4 11	13 50.15	+ 0 16.9	1.362	2.352	4.9	19.4
4 21	13 41.28	+ 0 57.6	1.380	2.369	5.6	19.5
5 1	13 33.06	+ 1 22.0	1.423	2.386	9.2	19.8
5 11	13 26.50	+ 1 27.0	1.489	2.404	13.0	20.0
5 21	13 22.22	+ 1 12.3	1.576	2.422	16.4	20.3

124301 2001 QD_{62} 4 17.9 99°.19 4°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.79	−22 5.6	1.440	2.236	19.1	20.2
3 22	14 8.44	−22 26.0	1.366	2.243	15.5	20.0
4 1	14 1.01	−22 24.7	1.310	2.250	11.3	19.7
4 11	13 51.34	−22 1.0	1.277	2.258	6.9	19.5
4 21	13 40.69	−21 17.2	1.268	2.265	4.5	19.4
5 1	13 30.56	−20 19.5	1.285	2.271	7.0	19.5
5 11	13 22.29	−19 17.3	1.327	2.278	11.2	19.8
5 21	13 16.74	−18 19.5	1.391	2.285	15.3	20.1

464647 2000 SV_{359} 4 17.9 224°.90 1°.3/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.94	−17 4.8	1.894	2.691	15.1	22.1
3 22	14 6.38	−16 40.5	1.795	2.681	11.9	21.8
4 1	13 59.40	−15 59.6	1.718	2.670	8.1	21.6
4 11	13 50.64	−15 4.0	1.667	2.659	3.9	21.3
4 21	13 41.01	−13 57.6	1.643	2.647	1.6	21.1
5 1	13 31.61	−12 47.0	1.648	2.634	5.8	21.3
5 11	13 23.49	−11 39.5	1.679	2.620	10.1	21.6
5 21	13 17.42	−10 41.7	1.735	2.606	13.9	21.8

499925 2011 HN_{20} 4 17.9 249°.93 0°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.00	−13 16.9	1.918	2.728	14.4	21.4
3 22	14 5.50	−13 15.9	1.831	2.726	11.2	21.2
4 1	13 58.73	−13 3.8	1.766	2.724	7.5	21.0
4 11	13 50.32	−12 42.6	1.727	2.722	3.3	20.7
4 21	13 41.17	−12 15.5	1.716	2.719	1.3	20.5
5 1	13 32.31	−11 46.9	1.732	2.717	5.6	20.8
5 11	13 24.70	−11 22.0	1.775	2.715	9.6	21.0
5 21	13 19.05	−11 4.7	1.841	2.713	13.2	21.3

203878 2002 YQ_{2} 4 17.9 231°.86 3°.0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.58	− 5 39.9	1.687	2.515	15.3	21.3
3 22	14 8.60	− 5 2.2	1.596	2.503	11.8	21.0
4 1	14 0.96	− 4 16.1	1.526	2.490	7.8	20.8
4 11	13 51.32	− 3 26.7	1.483	2.477	3.8	20.5
4 21	13 40.69	− 2 40.3	1.466	2.462	4.0	20.5
5 1	13 30.31	− 2 3.6	1.477	2.447	8.2	20.7
5 11	13 21.34	− 1 41.7	1.513	2.432	12.6	20.9
5 21	13 14.63	− 1 37.5	1.571	2.415	16.5	21.1

58141 1981 UW_{22} 4 17.9 265°.31 3°.7/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.67	− 5 0.2	1.644	2.478	15.4	19.5
3 22	14 7.35	− 4 9.6	1.543	2.454	11.9	19.2
4 1	14 0.29	− 3 9.3	1.464	2.429	7.9	18.9
4 11	13 51.11	− 2 4.9	1.411	2.403	4.2	18.6
4 21	13 40.77	− 1 3.9	1.384	2.377	4.8	18.6
5 1	13 30.51	− 0 14.1	1.384	2.350	9.0	18.8
5 11	13 21.59	+ 0 18.1	1.408	2.323	13.6	19.0
5 21	13 14.94	+ 0 29.2	1.453	2.295	17.7	19.1

469076 2015 BP_{125} 4 17.9 15°.09 4°.9/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.10	− 0 54.0	1.754	2.597	14.1	21.5
3 22	14 3.28	+ 0 10.8	1.683	2.598	10.9	21.3
4 1	13 57.25	+ 1 19.6	1.636	2.598	7.4	21.1
4 11	13 49.69	+ 2 25.2	1.613	2.599	5.1	20.9
4 21	13 41.50	+ 3 20.4	1.618	2.600	6.0	21.0
5 1	13 33.71	+ 3 59.2	1.649	2.601	9.1	21.2
5 11	13 27.23	+ 4 17.9	1.703	2.602	12.6	21.4
5 21	13 22.69	+ 4 15.7	1.778	2.603	15.7	21.6

465890 2010 UW_{3} 4 17.9 207°.72 0°.1/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.20	−10 19.5	1.740	2.552	15.6	21.7
3 22	14 10.52	−10 41.2	1.654	2.550	12.2	21.5
4 1	14 2.15	−10 55.3	1.589	2.548	8.0	21.2
4 11	13 51.80	−11 3.2	1.551	2.546	3.4	20.9
4 21	13 40.51	−11 6.9	1.540	2.544	1.5	20.8
5 1	13 29.53	−11 9.9	1.558	2.541	6.3	21.1
5 11	13 20.03	−11 15.9	1.602	2.539	10.7	21.3
5 21	13 12.84	−11 28.3	1.669	2.536	14.6	21.6

57717 2001 UE_{127} 4 17.9 301°.03 4°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.83	− 4 7.9	1.594	2.440	15.2	18.8
3 22	14 3.55	− 3 13.6	1.504	2.421	11.7	18.5
4 1	13 57.74	− 2 10.6	1.435	2.402	7.8	18.2
4 11	13 50.01	− 1 5.3	1.391	2.383	4.4	18.0
4 21	13 41.32	− 0 5.6	1.373	2.365	5.2	18.0
5 1	13 32.83	+ 0 41.0	1.381	2.347	9.2	18.2
5 11	13 25.69	+ 1 8.4	1.412	2.329	13.4	18.4
5 21	13 20.71	+ 1 14.2	1.463	2.311	17.3	18.6

64523 2001 VA_{99} 4 17.9 112°.09 3°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.95	−25 14.7	1.984	2.750	15.6	19.4
3 22	14 3.83	−24 37.0	1.902	2.761	12.6	19.3
4 1	13 57.53	−23 36.8	1.841	2.772	9.2	19.1
4 11	13 49.78	−22 15.9	1.805	2.783	5.6	18.9
4 21	13 41.48	−20 38.8	1.797	2.793	3.4	18.7
5 1	13 33.64	−18 52.7	1.817	2.803	5.3	18.9
5 11	13 27.14	−17 6.8	1.865	2.812	8.7	19.1
5 21	13 22.58	−15 28.9	1.938	2.822	12.1	19.3

328895 2010 SR_{12} 4 17.9 56°.63 3°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.75	− 8 39.2	1.427	2.274	16.6	19.5
3 22	14 2.61	− 6 58.2	1.366	2.285	12.5	19.3
4 1	13 56.94	− 5 2.6	1.327	2.296	8.0	19.1
4 11	13 49.57	− 3 1.9	1.313	2.308	4.0	18.9
4 21	13 41.60	− 1 7.3	1.326	2.320	4.9	19.0
5 1	13 34.20	+ 0 30.6	1.364	2.332	9.1	19.2
5 11	13 28.39	+ 1 44.1	1.427	2.344	13.3	19.5
5 21	13 24.82	+ 2 30.5	1.509	2.356	16.9	19.8

37009 2000 TC_{41} 4 17.9 107°.66 0°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.00	− 9 16.6	2.343	3.150	12.2	19.3
3 22	14 5.76	− 9 23.4	2.259	3.154	9.4	19.1
4 1	13 58.65	− 9 24.2	2.199	3.159	6.1	18.9
4 11	13 50.24	− 9 20.9	2.167	3.163	2.5	18.7
4 21	13 41.28	− 9 16.1	2.164	3.167	1.4	18.6
5 1	13 32.60	− 9 12.5	2.190	3.171	5.0	18.8
5 11	13 24.97	− 9 13.0	2.244	3.175	8.4	19.0
5 21	13 18.98	− 9 19.9	2.323	3.179	11.4	19.2

54460 2000 NU_{28} 4 17.9 249°.73 1°.4/16.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.41	− 8 30.1	2.551	3.365	11.2	19.5
3 22	14 2.23	− 7 55.3	2.449	3.350	8.5	19.3
4 1	13 56.37	− 7 12.9	2.373	3.335	5.5	19.0
4 11	13 49.32	− 6 26.2	2.324	3.319	2.4	18.8
4 21	13 41.69	− 5 39.2	2.304	3.303	2.2	18.8
5 1	13 34.22	− 4 56.1	2.313	3.287	5.4	18.9
5 11	13 27.60	− 4 21.0	2.350	3.271	8.6	19.1
5 21	13 22.37	− 3 56.7	2.411	3.254	11.5	19.3

10323 Frazer 4 17.9 259°.00 2°.5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.22	− 7 9.5	1.639	2.470	15.5	18.1
3 22	14 6.93	− 6 32.7	1.544	2.453	12.0	17.8
4 1	13 59.97	− 5 45.6	1.471	2.436	7.8	17.5
4 11	13 50.96	− 4 53.1	1.423	2.419	3.6	17.2
4 21	13 40.91	− 4 1.5	1.402	2.400	3.6	17.2
5 1	13 31.05	− 3 17.9	1.408	2.382	8.1	17.4
5 11	13 22.57	− 2 48.4	1.438	2.363	12.6	17.6
5 21	13 16.35	− 2 36.5	1.490	2.344	16.7	17.8

385202 1999 RJ_{246} 4 17.9 177°.18 2°.3/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.09	− 4 27.0	3.036	3.846	9.7	23.6
3 22	14 3.08	− 3 41.1	2.951	3.849	7.3	23.4
4 1	13 56.69	− 2 51.1	2.892	3.852	4.8	23.2
4 11	13 49.38	− 2 0.6	2.862	3.853	2.6	23.1
4 21	13 41.69	− 1 13.2	2.863	3.854	2.9	23.1
5 1	13 34.23	− 0 32.6	2.894	3.854	5.3	23.3
5 11	13 27.55	− 0 1.6	2.954	3.853	7.8	23.4
5 21	13 22.08	+ 0 18.2	3.038	3.851	10.1	23.6

240567 2004 SG_{54} 4 17.9 221°.55 1°.6/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.46	− 8 25.4	1.822	2.640	14.8	21.3
3 22	14 8.32	− 8 1.5	1.729	2.631	11.4	21.1
4 1	14 0.69	− 7 28.5	1.659	2.622	7.4	20.8
4 11	13 51.21	− 6 49.9	1.615	2.611	3.1	20.5
4 21	13 40.83	− 6 10.6	1.599	2.600	2.6	20.5
5 1	13 30.70	− 5 36.3	1.611	2.588	6.9	20.7
5 11	13 21.90	− 5 12.1	1.649	2.575	11.2	20.9
5 21	13 15.22	− 5 1.4	1.710	2.562	15.0	21.1

507158 2009 YX_{13} 4 17.9 338°.60 14°.9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.24	−46 47.1	1.743	2.384	21.5	20.3
3 22	14 7.45	−48 28.7	1.654	2.375	20.0	20.2
4 1	14 1.04	−49 41.6	1.579	2.366	18.3	20.0
4 11	13 51.65	−50 17.8	1.520	2.358	16.7	19.9
4 21	13 40.57	−50 11.3	1.479	2.350	15.4	19.8
5 1	13 29.65	−49 21.0	1.457	2.344	14.9	19.7
5 11	13 20.74	−47 53.0	1.455	2.338	15.3	19.7
5 21	13 15.11	−45 58.1	1.473	2.332	16.6	19.8

405421 2004 RB_{321} 4 17.9 250°.19 2°.0/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.54	−18 52.6	1.812	2.605	15.8	21.9
3 22	14 7.14	−18 32.4	1.703	2.585	12.7	21.7
4 1	14 0.11	−17 53.3	1.615	2.564	8.9	21.4
4 11	13 51.05	−16 55.9	1.552	2.542	4.6	21.1
4 21	13 40.90	−15 43.9	1.517	2.519	2.1	20.9
5 1	13 30.85	−14 23.7	1.509	2.495	6.1	21.1
5 11	13 22.09	−13 4.1	1.528	2.471	10.7	21.3
5 21	13 15.52	−11 53.1	1.570	2.446	14.9	21.5

153953 2002 AD_{9} 4 17.9 294°.07 14°.7/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 48.49	−38 23.0	1.841	2.468	20.8	21.1
3 22	14 39.80	−40 31.5	1.666	2.401	19.4	20.8
4 1	14 24.94	−42 31.9	1.508	2.330	17.4	20.4
4 11	14 3.09	−44 8.4	1.372	2.254	15.6	20.1
4 21	13 34.60	−44 59.2	1.264	2.175	14.8	19.8
5 1	13 1.91	−44 43.2	1.186	2.091	16.2	19.6
5 11	12 29.36	−43 14.1	1.138	2.002	20.0	19.6
5 21	12 1.17	−40 47.0	1.116	1.908	25.0	19.6

472533 2015 DE 4 17.9 145°.47 3°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.55	− 4 47.0	2.190	3.017	12.3	21.0
3 22	14 3.17	− 3 50.8	2.116	3.023	9.3	20.9
4 1	13 56.97	− 2 48.6	2.066	3.030	6.1	20.7
4 11	13 49.55	− 1 45.8	2.044	3.036	3.3	20.5
4 21	13 41.65	− 0 47.7	2.050	3.042	3.8	20.5
5 1	13 34.09	+ 0 0.4	2.085	3.047	6.8	20.7
5 11	13 27.62	+ 0 34.6	2.146	3.052	10.0	20.9
5 21	13 22.76	+ 0 53.1	2.229	3.056	12.8	21.1

92539 2000 OB_{19} 4 17.9 178°.31 1°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.56	−17 45.3	1.944	2.732	15.1	18.9
3 22	14 8.25	−17 42.6	1.856	2.735	11.9	18.6
4 1	14 0.54	−17 25.1	1.789	2.736	8.2	18.4
4 11	13 51.11	−16 53.8	1.748	2.737	4.2	18.2
4 21	13 40.92	−16 11.6	1.735	2.737	2.1	18.0
5 1	13 31.04	−15 23.6	1.751	2.737	5.5	18.2
5 11	13 22.53	−14 36.0	1.794	2.735	9.5	18.5
5 21	13 16.09	−13 54.5	1.861	2.733	13.1	18.7

217581 2008 CY_{24} 4 17.9 281°.03 3°.1/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.10	− 5 59.7	1.731	2.565	14.7	20.5
3 22	14 5.24	− 5 12.4	1.628	2.539	11.4	20.2
4 1	13 58.86	− 4 15.0	1.547	2.513	7.5	19.9
4 11	13 50.53	− 3 12.8	1.492	2.486	3.8	19.6
4 21	13 41.14	− 2 12.4	1.464	2.460	4.2	19.6
5 1	13 31.84	− 1 21.3	1.463	2.432	8.3	19.7
5 11	13 23.76	− 0 45.8	1.486	2.405	12.7	19.9
5 21	13 17.77	− 0 29.5	1.531	2.377	16.7	20.1

127569 2003 AQ_{13} 4 17.9 42°.93 2°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.97	−19 8.8	1.305	2.125	19.4	19.6
3 22	14 5.68	−18 55.7	1.232	2.128	15.4	19.3
4 1	13 59.30	−18 19.5	1.178	2.132	10.7	19.1
4 11	13 50.70	−17 22.0	1.146	2.136	5.6	18.8
4 21	13 41.12	−16 8.5	1.138	2.141	2.6	18.6
5 1	13 32.08	−14 48.3	1.156	2.145	6.9	18.9
5 11	13 24.91	−13 32.1	1.197	2.150	12.0	19.2
5 21	13 20.46	−12 28.6	1.259	2.155	16.4	19.5

290817 2005 VE_{112} 4 17.9 172°.43 0°.8/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.11	−15 1.2	2.181	2.978	13.4	21.8
3 22	14 5.29	−14 46.1	2.093	2.980	10.4	21.6
4 1	13 58.45	−14 19.2	2.029	2.983	7.0	21.4
4 11	13 50.20	−13 42.2	1.991	2.985	3.2	21.2
4 21	13 41.35	−12 58.8	1.982	2.986	1.2	21.0
5 1	13 32.80	−12 13.5	2.002	2.987	5.0	21.3
5 11	13 25.39	−11 31.6	2.049	2.987	8.7	21.5
5 21	13 19.72	−10 57.4	2.121	2.987	12.0	21.7

455695 2005 EP_{173} 4 17.9 60°.50 2°.9/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.30	−19 38.1	1.414	2.224	18.7	20.8
3 22	14 6.36	−19 36.0	1.349	2.238	14.8	20.6
4 1	13 59.53	−19 13.0	1.303	2.253	10.4	20.4
4 11	13 50.72	−18 30.4	1.280	2.268	5.6	20.2
4 21	13 41.14	−17 32.9	1.281	2.282	2.9	20.0
5 1	13 32.18	−16 28.1	1.309	2.298	6.4	20.3
5 11	13 25.04	−15 25.1	1.361	2.313	10.9	20.6
5 21	13 20.45	−14 31.4	1.435	2.328	15.0	20.9

120465 1991 TO_{15} 4 17.9 209°.00 0°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.24	−12 52.4	2.566	3.362	11.6	21.6
3 22	14 4.37	−12 27.5	2.466	3.355	9.0	21.4
4 1	13 57.75	−11 52.9	2.391	3.347	5.9	21.2
4 11	13 49.91	−11 10.9	2.344	3.339	2.5	20.9
4 21	13 41.49	−10 24.9	2.326	3.329	1.1	20.8
5 1	13 33.26	− 9 38.9	2.338	3.319	4.7	21.1
5 11	13 25.95	− 8 57.4	2.378	3.308	8.0	21.2
5 21	13 20.10	− 8 24.0	2.444	3.297	11.0	21.4

282974 2007 TQ_{14} 4 17.9 265°.54 1°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.25	−19 50.5	2.237	3.023	13.4	21.0
3 22	14 2.49	−19 14.0	2.127	3.004	10.7	20.8
4 1	13 56.75	−18 20.0	2.039	2.985	7.5	20.6
4 11	13 49.55	−17 10.2	1.978	2.966	3.9	20.3
4 21	13 41.64	−15 48.3	1.944	2.947	1.8	20.1
5 1	13 33.89	−14 20.3	1.940	2.927	4.9	20.3
5 11	13 27.15	−12 53.4	1.964	2.907	8.7	20.5
5 21	13 22.08	−11 34.2	2.013	2.886	12.2	20.7

315349 2007 UO_{11} 4 17.9 200°.88 1°.8/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.75	− 8 20.8	2.014	2.830	13.6	21.9
3 22	14 6.70	− 7 41.1	1.924	2.826	10.5	21.6
4 1	13 59.46	− 6 52.2	1.858	2.821	6.8	21.4
4 11	13 50.66	− 5 58.2	1.820	2.815	2.9	21.1
4 21	13 41.15	− 5 4.3	1.809	2.809	2.7	21.1
5 1	13 31.93	− 4 16.3	1.828	2.801	6.6	21.3
5 11	13 23.92	− 3 39.4	1.873	2.793	10.4	21.6
5 21	13 17.78	− 3 16.6	1.942	2.784	13.8	21.8

437335 2013 SH 4 17.9 206°.29 2°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.67	−25 4.8	1.289	2.084	20.9	21.8
3 22	14 7.98	−23 33.6	1.199	2.080	16.9	21.5
4 1	14 0.93	−21 21.6	1.129	2.076	11.9	21.2
4 11	13 51.41	−18 31.3	1.082	2.070	6.2	20.8
4 21	13 40.81	−15 13.4	1.061	2.064	2.4	20.6
5 1	13 30.78	−11 46.4	1.069	2.057	7.6	20.9
5 11	13 22.79	− 8 31.5	1.103	2.050	13.5	21.1
5 21	13 17.73	− 5 44.8	1.160	2.041	18.6	21.4

499309 2009 WA_{70} 4 17.9 148°.49 3°.0/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.13	−22 18.6	2.101	2.874	14.6	21.6
3 22	14 4.68	−22 7.5	2.014	2.880	11.8	21.4
4 1	13 58.12	−21 38.9	1.950	2.886	8.5	21.2
4 11	13 50.08	−20 53.5	1.910	2.891	5.0	21.0
4 21	13 41.43	−19 54.4	1.898	2.896	3.0	20.9
5 1	13 33.13	−18 46.8	1.915	2.900	5.1	21.1
5 11	13 26.06	−17 37.6	1.959	2.904	8.5	21.3
5 21	13 20.84	−16 33.1	2.027	2.908	11.8	21.5

102525 1999 UV 4 17.9 152°.77 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.24	−11 45.3	1.860	2.670	14.8	19.7
3 22	14 7.96	−11 36.4	1.780	2.676	11.5	19.5
4 1	14 0.31	−11 17.0	1.723	2.682	7.5	19.3
4 11	13 51.01	−10 49.7	1.692	2.688	3.1	19.0
4 21	13 41.01	−10 18.3	1.689	2.693	1.5	18.9
5 1	13 31.40	− 9 47.7	1.714	2.697	5.9	19.2
5 11	13 23.19	− 9 22.8	1.766	2.701	10.0	19.4
5 21	13 17.05	− 9 7.6	1.841	2.704	13.6	19.7

8885 Sette 4 17.9 260°.03 5°.5/12.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.70	− 2 11.8	1.620	2.467	14.9	17.5
3 22	14 3.28	− 0 32.6	1.541	2.459	11.5	17.3
4 1	13 57.44	+ 1 15.4	1.486	2.450	7.9	17.1
4 11	13 49.87	+ 3 3.1	1.456	2.441	5.6	16.9
4 21	13 41.52	+ 4 40.3	1.453	2.432	6.9	17.0
5 1	13 33.49	+ 5 58.0	1.476	2.423	10.4	17.1
5 11	13 26.84	+ 6 50.0	1.522	2.414	14.2	17.3
5 21	13 22.27	+ 7 14.6	1.588	2.405	17.6	17.5

378861 2008 TN_{83} 4 17.9 119°.31 1°.2/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.57	−16 21.9	2.050	2.849	14.0	20.8
3 22	14 4.22	−16 9.2	1.968	2.855	11.0	20.6
4 1	13 57.80	−15 43.0	1.908	2.860	7.4	20.4
4 11	13 49.95	−15 5.4	1.874	2.866	3.6	20.2
4 21	13 41.50	−14 19.8	1.868	2.871	1.5	20.0
5 1	13 33.38	−13 31.3	1.890	2.876	5.1	20.3
5 11	13 26.47	−12 45.6	1.939	2.881	8.8	20.5
5 21	13 21.38	−12 7.3	2.012	2.886	12.2	20.8

319847 2006 WM_{18} 4 17.9 333°.42 1°.4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.18	−14 2.1	1.492	2.314	17.3	20.7
3 22	14 7.13	−14 19.8	1.409	2.309	13.6	20.4
4 1	14 0.20	−14 24.6	1.346	2.305	9.2	20.2
4 11	13 51.10	−14 17.5	1.307	2.300	4.3	19.9
4 21	13 40.95	−14 1.3	1.293	2.296	1.8	19.7
5 1	13 31.11	−13 40.9	1.305	2.293	6.6	20.0
5 11	13 22.89	−13 22.3	1.342	2.289	11.4	20.2
5 21	13 17.16	−13 10.9	1.400	2.287	15.7	20.5

109694 2001 RC_{37} 4 17.9 147°.15 3°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.90	− 4 55.8	1.961	2.792	13.4	20.4
3 22	14 3.65	− 3 38.1	1.889	2.799	10.1	20.2
4 1	13 57.38	− 2 12.7	1.841	2.805	6.6	20.0
4 11	13 49.76	− 0 46.4	1.821	2.811	3.8	19.8
4 21	13 41.61	+ 0 33.8	1.828	2.817	4.6	19.9
5 1	13 33.85	+ 1 40.9	1.864	2.822	7.8	20.1
5 11	13 27.31	+ 2 30.4	1.925	2.827	11.2	20.3
5 21	13 22.55	+ 2 59.9	2.008	2.831	14.2	20.5

470479 2008 AM_{134} 4 17.9 118°.30 4°.1/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.45	−24 43.6	2.476	3.227	13.2	21.6
3 22	14 4.71	−25 6.4	2.388	3.234	10.9	21.4
4 1	13 58.05	−25 14.5	2.321	3.240	8.2	21.3
4 11	13 50.06	−25 7.3	2.280	3.246	5.6	21.1
4 21	13 41.47	−24 45.9	2.266	3.252	4.1	21.0
5 1	13 33.13	−24 13.0	2.281	3.258	5.2	21.1
5 11	13 25.85	−23 33.6	2.323	3.264	7.6	21.2
5 21	13 20.20	−22 52.5	2.391	3.270	10.3	21.4

42918 1999 SK_4 4 17.9 232°.47 1°.4/16.7 17

3 12	14 8.67	−11 0.6	1.767	2.590	14.9	19.0
3 22	14 4.69	−10 8.2	1.677	2.583	11.5	18.8
4 1	13 58.33	− 9 1.9	1.610	2.574	7.4	18.5
4 11	13 50.26	− 7 46.2	1.569	2.566	3.1	18.2
4 21	13 41.39	− 6 27.8	1.556	2.557	2.5	18.2
5 1	13 32.80	− 5 14.5	1.569	2.547	7.0	18.4
5 11	13 25.53	− 4 13.5	1.609	2.538	11.3	18.7
5 21	13 20.29	− 3 29.5	1.671	2.527	15.1	18.9

24265 Banthonytwarog 4 17.9 273°.10 4°.4/14.9 18

3 12	14 11.16	− 3 59.3	1.434	2.279	16.7	18.2
3 22	14 7.28	− 3 8.9	1.343	2.259	12.9	17.9
4 1	14 0.43	− 2 9.3	1.273	2.240	8.6	17.6
4 11	13 51.27	− 1 7.3	1.227	2.220	4.9	17.3
4 21	13 40.89	− 0 11.2	1.207	2.199	5.6	17.3
5 1	13 30.69	+ 0 30.6	1.212	2.179	10.0	17.5
5 11	13 22.04	+ 0 51.6	1.239	2.158	14.7	17.7
5 21	13 15.91	+ 0 49.3	1.286	2.137	19.1	17.9

462580 2009 FR_3 4 17.9 325°.96 0°.4/18.2 17

3 12	14 6.34	−13 32.6	1.272	2.114	18.5	20.9
3 22	14 3.89	−13 23.1	1.187	2.099	14.5	20.6
4 1	13 58.35	−12 56.5	1.121	2.086	9.7	20.3
4 11	13 50.43	−12 15.3	1.077	2.073	4.2	19.9
4 21	13 41.28	−11 24.9	1.057	2.061	1.7	19.7
5 1	13 32.39	−10 33.2	1.061	2.049	7.6	20.0
5 11	13 25.20	− 9 49.3	1.088	2.039	13.1	20.3
5 21	13 20.72	− 9 19.8	1.134	2.029	17.9	20.5

186138 2001 TK_{206} 4 17.9 137°.73 0°.1/17.7 18

3 12	13 59.25	−12 2.8	4.430	5.227	7.1	20.5
3 22	13 56.09	−11 39.9	4.338	5.228	5.4	20.4
4 1	13 52.07	−11 12.0	4.271	5.228	3.5	20.3
4 11	13 47.49	−10 40.5	4.233	5.228	1.4	20.1
4 21	13 42.67	−10 7.5	4.225	5.228	0.7	20.0
5 1	13 37.97	− 9 35.1	4.248	5.229	2.8	20.2
5 11	13 33.73	− 9 5.3	4.299	5.229	4.8	20.4
5 21	13 30.23	− 8 40.0	4.377	5.229	6.5	20.5

419729 2010 VX_{31} 4 17.9 228°.41 1°.9/16.3 17

3 12	14 11.00	− 7 55.7	1.955	2.775	13.8	21.8
3 22	14 6.27	− 7 20.4	1.862	2.765	10.6	21.5
4 1	13 59.29	− 6 36.0	1.791	2.754	6.9	21.3
4 11	13 50.65	− 5 46.6	1.747	2.742	3.0	21.0
4 21	13 41.22	− 4 57.5	1.731	2.730	2.9	21.0
5 1	13 32.02	− 4 14.3	1.743	2.717	6.8	21.2
5 11	13 24.01	− 3 42.2	1.782	2.704	10.8	21.4
5 21	13 17.91	− 3 24.4	1.843	2.690	14.3	21.6

431912 2008 TQ_{46} 4 17.9 206°.72 1°.8/16.2 17

3 12	14 8.57	− 7 18.5	2.217	3.036	12.4	21.9
3 22	14 4.06	− 6 46.4	2.130	3.033	9.5	21.7
4 1	13 57.65	− 6 7.3	2.066	3.029	6.1	21.5
4 11	13 49.91	− 5 25.0	2.030	3.025	2.7	21.2
4 21	13 41.58	− 4 43.7	2.023	3.021	2.6	21.2
5 1	13 33.51	− 4 8.2	2.044	3.017	6.0	21.4
5 11	13 26.49	− 3 42.5	2.092	3.012	9.5	21.6
5 21	13 21.11	− 3 29.1	2.163	3.007	12.6	21.8

128980 2004 TV_{182} 4 17.9 291°.93 1°.5/19.2 18

3 12	14 7.32	−17 3.4	1.782	2.590	15.5	20.2
3 22	14 3.89	−16 49.9	1.677	2.569	12.3	19.9
4 1	13 57.99	−16 19.7	1.594	2.548	8.5	19.6
4 11	13 50.20	−15 34.1	1.536	2.527	4.2	19.3
4 21	13 41.41	−14 36.7	1.504	2.507	1.8	19.1
5 1	13 32.75	−13 33.7	1.498	2.486	5.9	19.3
5 11	13 25.32	−12 32.4	1.519	2.465	10.5	19.5
5 21	13 19.96	−11 39.9	1.562	2.445	14.6	19.7

63022 2000 WV_{46} 4 17.9 339°.63 1°.9/15.9 18

3 12	14 4.37	− 7 49.6	2.134	2.963	12.5	18.9
3 22	14 0.93	− 7 5.6	2.050	2.959	9.5	18.7
4 1	13 55.64	− 6 13.3	1.990	2.955	6.1	18.5
4 11	13 49.08	− 5 17.2	1.957	2.952	2.7	18.3
4 21	13 41.97	− 4 22.3	1.951	2.949	2.8	18.3
5 1	13 35.11	− 3 33.9	1.973	2.946	6.2	18.5
5 11	13 29.29	− 2 56.7	2.021	2.944	9.7	18.7
5 21	13 25.06	− 2 33.4	2.092	2.941	12.7	18.9

102220 1999 TJ_8 4 17.9 119°.29 0°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.96	−12 3.4	1.853	2.663	14.9	20.3
3 22	14 7.63	−11 42.8	1.783	2.679	11.4	20.1
4 1	14 0.02	−11 11.0	1.736	2.695	7.4	19.9
4 11	13 50.89	−10 31.2	1.715	2.710	3.0	19.6
4 21	13 41.19	− 9 47.9	1.722	2.725	1.5	19.6
5 1	13 31.99	− 9 6.7	1.757	2.739	5.9	19.9
5 11	13 24.22	− 8 32.6	1.819	2.753	9.9	20.1
5 21	13 18.50	− 8 9.6	1.904	2.765	13.3	20.4

466981 2016 BJ_{22} 4 17.9 45°.37 1°.4/18.8 18

3 12	14 9.83	−15 42.5	1.267	2.099	19.2	21.3
3 22	14 6.22	−15 35.5	1.207	2.112	15.0	21.1
4 1	13 59.57	−15 9.9	1.165	2.125	10.1	20.8
4 11	13 50.80	−14 28.4	1.145	2.139	4.7	20.5
4 21	13 41.23	−13 36.8	1.151	2.154	1.8	20.4
5 1	13 32.33	−12 43.0	1.180	2.169	6.9	20.8
5 11	13 25.37	−11 55.7	1.234	2.185	11.9	21.1
5 21	13 21.10	−11 21.0	1.308	2.201	16.2	21.4

168121 2006 FN_{32} 4 17.9 265°.16 0°.9/16.9 17

3 12	14 6.50	−11 39.2	2.241	3.053	12.6	21.2
3 22	14 2.64	−10 51.9	2.134	3.033	9.7	21.0
4 1	13 56.84	− 9 52.3	2.051	3.012	6.3	20.7
4 11	13 49.63	− 8 44.1	1.995	2.991	2.6	20.5
4 21	13 41.72	− 7 32.1	1.968	2.970	1.9	20.4
5 1	13 33.94	− 6 22.3	1.970	2.948	5.7	20.6
5 11	13 27.12	− 5 20.7	1.999	2.926	9.5	20.8
5 21	13 21.89	− 4 31.8	2.052	2.904	12.9	20.9

470295 2007 GK 4 17.9 4°.18 0°.6/17.4 17

3 12	14 0.69	−15 45.6	1.336	2.177	17.8	20.2
3 22	13 59.13	−14 28.3	1.263	2.177	13.7	20.0
4 1	13 54.94	−12 46.7	1.210	2.177	8.9	19.7
4 11	13 48.89	−10 47.5	1.182	2.179	3.6	19.4
4 21	13 42.08	− 8 41.3	1.178	2.181	2.1	19.3
5 1	13 35.73	− 6 40.8	1.200	2.185	7.5	19.6
5 11	13 30.95	− 4 57.4	1.246	2.190	12.5	19.9
5 21	13 28.45	− 3 38.6	1.312	2.196	16.7	20.2

503639 2016 GP_{173} 4 17.9 59°.33 2°.7/15.7 17

3 12	14 7.83	− 7 27.6	1.612	2.450	15.4	21.5
3 22	14 4.06	− 6 34.9	1.542	2.455	11.7	21.3
4 1	13 57.89	− 5 32.2	1.494	2.461	7.6	21.1
4 11	13 50.05	− 4 25.4	1.471	2.466	3.5	20.8
4 21	13 41.56	− 3 21.7	1.475	2.472	3.7	20.9
5 1	13 33.52	− 2 28.4	1.505	2.478	7.8	21.1
5 11	13 26.94	− 1 51.0	1.560	2.484	11.9	21.4
5 21	13 22.47	− 1 32.3	1.636	2.490	15.5	21.6

338149 2002 QP_{128} 4 17.9 145°.41 0°.1/17.9 17

3 12	14 8.33	−12 25.5	2.196	3.004	12.9	21.3
3 22	14 3.89	−12 7.6	2.113	3.008	10.0	21.1
4 1	13 57.54	−11 39.6	2.053	3.011	6.5	20.9
4 11	13 49.87	−11 4.2	2.019	3.015	2.7	20.6
4 21	13 41.64	−10 25.2	2.014	3.018	1.2	20.5
5 1	13 33.71	− 9 46.8	2.038	3.021	5.1	20.8
5 11	13 26.87	− 9 13.8	2.088	3.023	8.7	21.0
5 21	13 21.70	− 8 49.7	2.163	3.026	11.9	21.2

383819 2008 CT_{174} 4 17.9 121°.24 2°.2/15.3 17

3 12	14 4.85	− 6 39.9	2.495	3.317	11.1	21.4
3 22	14 0.93	− 5 42.1	2.420	3.325	8.4	21.2
4 1	13 55.46	− 4 38.0	2.369	3.333	5.4	21.0
4 11	13 48.96	− 3 31.7	2.346	3.340	2.7	20.9
4 21	13 42.07	− 2 28.3	2.353	3.347	3.0	20.9
5 1	13 35.46	− 1 32.5	2.388	3.354	5.8	21.1
5 11	13 29.77	− 0 48.3	2.451	3.361	8.7	21.3
5 21	13 25.45	− 0 17.8	2.537	3.368	11.4	21.5

156123 2001 SV_{337} 4 17.9 88°.67 1°.6/20.7 18

3 12	14 1.37	−20 6.6	4.466	5.226	7.6	20.6
3 22	13 57.73	−20 9.3	4.370	5.229	6.1	20.5
4 1	13 53.16	−20 4.9	4.298	5.231	4.3	20.3
4 11	13 47.97	−19 53.8	4.255	5.234	2.6	20.2
4 21	13 42.51	−19 37.4	4.240	5.237	1.6	20.1
5 1	13 37.16	−19 17.1	4.256	5.239	2.7	20.2
5 11	13 32.30	−18 55.2	4.301	5.242	4.4	20.4
5 21	13 28.22	−18 33.6	4.373	5.244	6.2	20.5

305650 2009 BW_{54} 4 17.9 44°.67 2°.5/16.3 18

3 12	14 10.34	− 7 40.3	1.210	2.061	18.7	20.4
3 22	14 6.57	− 7 9.2	1.155	2.075	14.2	20.2
4 1	13 59.76	− 6 27.4	1.120	2.089	9.1	20.0
4 11	13 50.87	− 5 41.3	1.108	2.104	4.0	19.7
4 21	13 41.25	− 4 58.2	1.120	2.120	3.7	19.7
5 1	13 32.36	− 4 25.8	1.156	2.136	8.6	20.1
5 11	13 25.45	− 4 9.5	1.215	2.152	13.4	20.4
5 21	13 21.23	− 4 11.5	1.294	2.169	17.4	20.7

317121 2001 TF_{258} 4 17.9 238.°71 1.°5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 59.20	− 4 10.5	4.489	5.305	6.7	20.8
3 22	13 56.05	− 3 39.1	4.400	5.302	5.0	20.7
4 1	13 52.05	− 3 5.4	4.337	5.299	3.3	20.5
4 11	13 47.51	− 2 31.6	4.304	5.295	1.7	20.4
4 21	13 42.74	− 1 59.7	4.300	5.292	2.0	20.4
5 1	13 38.07	− 1 31.9	4.326	5.288	3.6	20.5
5 11	13 33.85	− 1 10.0	4.381	5.285	5.4	20.7
5 21	13 30.34	− 0 55.0	4.461	5.281	7.0	20.8

346203 2007 XR_{35} 4 17.9 168.°57 8.°7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.61	−42 37.5	2.481	3.117	15.8	20.9
3 22	14 5.27	−42 54.3	2.383	3.118	14.2	20.8
4 1	13 58.63	−42 46.3	2.303	3.119	12.3	20.6
4 11	13 50.37	−42 10.5	2.243	3.120	10.5	20.5
4 21	13 41.44	−41 6.3	2.207	3.121	9.1	20.4
5 1	13 32.89	−39 36.5	2.195	3.122	8.7	20.4
5 11	13 25.70	−37 47.7	2.211	3.122	9.5	20.4
5 21	13 20.51	−35 48.5	2.251	3.123	11.1	20.5

230848 2004 RF_{42} 4 17.9 108.°83 0.°5/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.04	−11 45.1	2.003	2.817	13.8	21.2
3 22	14 4.54	−11 17.8	1.929	2.828	10.6	21.1
4 1	13 57.99	−10 39.9	1.877	2.838	6.8	20.8
4 11	13 50.06	− 9 54.7	1.852	2.848	2.8	20.6
4 21	13 41.60	− 9 6.9	1.855	2.858	1.6	20.5
5 1	13 33.52	− 8 21.6	1.886	2.868	5.6	20.8
5 11	13 26.69	− 7 43.9	1.944	2.877	9.4	21.1
5 21	13 21.66	− 7 17.4	2.025	2.887	12.6	21.3

360063 2013 AL_{102} 4 17.9 29.°98 3.°7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.80	−18 37.4	1.225	2.047	20.3	20.8
3 22	14 8.15	−19 7.8	1.155	2.051	16.3	20.6
4 1	14 1.12	−19 18.4	1.104	2.056	11.5	20.3
4 11	13 51.57	−19 8.7	1.074	2.062	6.5	20.0
4 21	13 40.89	−18 41.0	1.067	2.068	3.7	19.9
5 1	13 30.75	−18 1.7	1.085	2.074	7.4	20.1
5 11	13 22.65	−17 19.8	1.126	2.081	12.3	20.4
5 21	13 17.55	−16 43.6	1.186	2.088	16.8	20.7

91427 1999 PB_5 4 17.9 200.°35 0.°3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.35	−12 37.7	2.688	3.485	11.1	19.1
3 22	14 3.62	−12 36.7	2.595	3.483	8.6	19.0
4 1	13 57.25	−12 28.1	2.526	3.481	5.7	18.8
4 11	13 49.75	−12 13.5	2.484	3.478	2.5	18.6
4 21	13 41.73	−11 55.0	2.472	3.476	1.0	18.4
5 1	13 33.90	−11 35.6	2.490	3.473	4.3	18.7
5 11	13 26.94	−11 18.7	2.536	3.471	7.4	18.9
5 21	13 21.37	−11 7.0	2.607	3.468	10.2	19.0

249275 2008 SU_{203} 4 17.9 162.°91 0.°9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.24	− 8 14.7	3.956	4.761	7.7	22.2
3 22	13 58.42	− 7 45.8	3.869	4.765	5.8	22.1
4 1	13 53.62	− 7 12.7	3.809	4.770	3.7	21.9
4 11	13 48.17	− 6 37.6	3.778	4.773	1.6	21.8
4 21	13 42.46	− 6 2.7	3.777	4.777	1.4	21.8
5 1	13 36.90	− 5 30.4	3.807	4.780	3.5	21.9
5 11	13 31.89	− 5 3.1	3.866	4.783	5.6	22.1
5 21	13 27.74	− 4 42.4	3.950	4.786	7.5	22.2

66775 1999 TS_{220} 4 17.9 79.°50 2.°4/20.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.45	−19 13.4	1.918	2.710	15.1	18.9
3 22	14 5.04	−19 11.3	1.844	2.723	12.0	18.7
4 1	13 58.41	−18 53.3	1.791	2.736	8.4	18.5
4 11	13 50.27	−18 20.8	1.763	2.749	4.6	18.3
4 21	13 41.52	−17 37.0	1.762	2.762	2.4	18.2
5 1	13 33.20	−16 47.0	1.789	2.775	5.3	18.4
5 11	13 26.23	−15 57.2	1.842	2.788	8.9	18.7
5 21	13 21.21	−15 13.2	1.919	2.801	12.3	18.9

377764 2005 YK_{79} 4 17.9 132.°13 0.°4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.88	−14 2.2	1.929	2.739	14.4	21.6
3 22	14 4.61	−13 42.8	1.847	2.743	11.2	21.4
4 1	13 58.15	−13 10.7	1.788	2.746	7.4	21.2
4 11	13 50.18	−12 28.5	1.755	2.749	3.2	20.9
4 21	13 41.56	−11 40.6	1.749	2.753	1.3	20.8
5 1	13 33.28	−10 52.3	1.771	2.756	5.5	21.1
5 11	13 26.26	−10 9.3	1.819	2.759	9.5	21.3
5 21	13 21.14	− 9 36.3	1.891	2.761	13.0	21.6

102028 1999 RL_{98} 4 17.9 202.°07 0.°2/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.61	−13 41.8	2.041	2.843	14.0	21.3
3 22	14 6.66	−13 19.7	1.948	2.839	10.9	21.1
4 1	13 59.51	−12 45.3	1.878	2.834	7.2	20.9
4 11	13 50.76	−12 0.9	1.834	2.829	3.1	20.6
4 21	13 41.28	−11 10.6	1.819	2.822	1.3	20.4
5 1	13 32.06	−10 19.8	1.832	2.815	5.6	20.7
5 11	13 24.05	− 9 34.2	1.873	2.808	9.6	20.9
5 21	13 17.92	− 8 58.4	1.938	2.799	13.1	21.1

176454 2001 XO_{43} 4 17.9 40.°42 3.°4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.06	−20 58.1	2.060	2.841	14.6	19.7
3 22	14 4.71	−21 21.8	1.981	2.850	11.8	19.5
4 1	13 58.20	−21 30.9	1.923	2.860	8.5	19.3
4 11	13 50.20	−21 25.3	1.890	2.869	5.2	19.1
4 21	13 41.55	−21 6.5	1.884	2.879	3.4	19.0
5 1	13 33.23	−20 38.1	1.906	2.890	5.3	19.1
5 11	13 26.14	−20 5.3	1.954	2.900	8.5	19.4
5 21	13 20.93	−19 33.5	2.027	2.911	11.6	19.6

507526 2012 VA_{94} 4 17.9 271.°55 5.°2/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.53	+ 2 38.6	2.197	3.032	12.0	21.4
3 22	14 2.53	+ 3 37.6	2.116	3.023	9.3	21.3
4 1	13 56.68	+ 4 37.3	2.059	3.015	6.7	21.1
4 11	13 49.55	+ 5 31.8	2.029	3.006	5.2	21.0
4 21	13 41.84	+ 6 15.5	2.026	2.997	6.1	21.0
5 1	13 34.38	+ 6 43.7	2.051	2.988	8.6	21.1
5 11	13 27.94	+ 6 53.7	2.100	2.979	11.4	21.3
5 21	13 23.09	+ 6 45.0	2.170	2.970	14.0	21.4

368206 2001 QG_{151} 4 17.9 204.°03 11.°2/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.67	−48 55.8	2.681	3.240	16.0	21.6
3 22	14 14.36	−50 10.4	2.577	3.234	14.9	21.4
4 1	14 4.99	−51 2.8	2.490	3.228	13.6	21.3
4 11	13 53.22	−51 27.5	2.421	3.220	12.4	21.2
4 21	13 40.13	−51 20.4	2.374	3.212	11.5	21.1
5 1	13 27.14	−50 41.2	2.349	3.203	11.2	21.1
5 11	13 15.69	−49 34.0	2.348	3.193	11.6	21.1
5 21	13 6.78	−48 6.4	2.370	3.183	12.6	21.1

522854 2016 NO_{86} 4 17.9 224.°56 3.°5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.62	− 2 15.9	2.350	3.180	11.5	21.9
3 22	14 1.70	− 1 18.4	2.268	3.176	8.7	21.7
4 1	13 56.07	− 0 16.9	2.211	3.172	5.9	21.5
4 11	13 49.27	+ 0 43.7	2.181	3.168	3.7	21.3
4 21	13 41.98	+ 1 38.1	2.180	3.164	4.4	21.4
5 1	13 34.93	+ 2 21.5	2.207	3.160	7.1	21.5
5 11	13 28.83	+ 2 50.5	2.259	3.156	10.0	21.7
5 21	13 24.20	+ 3 3.4	2.335	3.151	12.7	21.9

19142 Langemarck 4 17.9 224.°87 2.°1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.99	− 8 2.3	1.868	2.690	14.3	19.8
3 22	14 6.38	− 7 18.7	1.776	2.681	11.0	19.6
4 1	13 59.43	− 6 25.0	1.707	2.671	7.1	19.3
4 11	13 50.77	− 5 25.7	1.664	2.660	3.2	19.0
4 21	13 41.30	− 4 26.8	1.650	2.648	3.1	19.0
5 1	13 32.07	− 3 34.8	1.663	2.636	7.1	19.2
5 11	13 24.11	− 2 55.2	1.702	2.624	11.2	19.4
5 21	13 18.13	− 2 31.7	1.764	2.610	14.9	19.6

502317 2015 BF_{157} 4 17.9 100.°02 4.°9/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.92	− 0 8.2	2.035	2.872	12.7	21.1
3 22	14 2.79	+ 1 13.2	1.975	2.885	9.7	20.9
4 1	13 56.78	+ 2 37.1	1.939	2.898	6.8	20.8
4 11	13 49.56	+ 3 56.7	1.930	2.911	4.9	20.7
4 21	13 41.90	+ 5 5.1	1.949	2.924	5.9	20.7
5 1	13 34.66	+ 5 56.9	1.995	2.936	8.5	20.9
5 11	13 28.59	+ 6 29.0	2.066	2.948	11.4	21.1
5 21	13 24.19	+ 6 40.7	2.158	2.960	14.0	21.3

454085 2013 AX_{101} 4 17.9 141.°53 6.°4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.68	+ 1 37.2	1.396	2.242	16.9	20.5
3 22	14 8.93	+ 2 29.1	1.330	2.244	13.2	20.2
4 1	14 1.26	+ 3 21.8	1.286	2.246	9.3	20.0
4 11	13 51.55	+ 4 7.1	1.265	2.248	6.6	19.9
4 21	13 41.00	+ 4 37.0	1.270	2.250	7.4	19.9
5 1	13 31.01	+ 4 45.7	1.299	2.252	11.0	20.1
5 11	13 22.81	+ 4 30.6	1.351	2.254	14.9	20.3
5 21	13 17.18	+ 3 53.0	1.422	2.255	18.5	20.6

200012 2007 LK_{20} 4 17.9 220.°67 1.°6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.57	− 9 3.1	2.196	3.015	12.6	21.4
3 22	14 3.37	− 8 18.4	2.106	3.008	9.6	21.1
4 1	13 57.27	− 7 24.5	2.039	3.002	6.2	20.9
4 11	13 49.82	− 6 25.2	1.999	2.995	2.7	20.7
4 21	13 41.76	− 5 25.5	1.988	2.987	2.4	20.6
5 1	13 33.94	− 4 31.0	2.005	2.979	6.0	20.9
5 11	13 27.17	− 3 46.7	2.049	2.971	9.6	21.1
5 21	13 22.02	− 3 15.7	2.117	2.963	12.7	21.2

419631 2010 SD_{42} 4 17.9 158.°90 1.°1/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.18	−10 19.1	2.060	2.871	13.5	22.5
3 22	14 6.15	− 9 43.7	1.980	2.878	10.4	22.3
4 1	13 59.05	− 8 58.4	1.924	2.885	6.7	22.1
4 11	13 50.54	− 8 7.0	1.894	2.890	2.7	21.9
4 21	13 41.46	− 7 14.2	1.894	2.895	2.0	21.8
5 1	13 32.74	− 6 25.6	1.922	2.900	5.9	22.1
5 11	13 25.25	− 5 46.1	1.977	2.904	9.6	22.3
5 21	13 19.57	− 5 19.0	2.056	2.907	12.9	22.5

300268 2007 JK_5 4 17.9 204°.38 0°.7/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.73	−10 5.5	1.819	2.630	15.1	21.6
3 22	14 10.12	− 9 54.6	1.728	2.625	11.7	21.4
4 1	14 1.93	− 9 34.1	1.659	2.619	7.7	21.1
4 11	13 51.84	− 9 6.7	1.617	2.613	3.1	20.8
4 21	13 40.85	− 8 36.4	1.603	2.605	1.9	20.7
5 1	13 30.13	− 8 8.2	1.617	2.597	6.5	21.0
5 11	13 20.81	− 7 47.3	1.658	2.588	10.9	21.2
5 21	13 13.68	− 7 37.3	1.722	2.579	14.7	21.5

361654 2007 TK_{338} 4 17.9 295°.47 1°.2/18.6 17

3 12	14 12.90	−13 7.4	1.420	2.245	17.9	20.6
3 22	14 8.81	−13 28.7	1.328	2.231	14.1	20.4
4 1	14 1.57	−13 38.1	1.257	2.217	9.6	20.1
4 11	13 51.86	−13 36.4	1.209	2.203	4.4	19.7
4 21	13 40.80	−13 25.9	1.186	2.190	1.8	19.5
5 1	13 29.91	−13 11.3	1.189	2.177	7.1	19.8
5 11	13 20.66	−12 58.8	1.216	2.164	12.4	20.0
5 21	13 14.10	−12 53.8	1.264	2.151	17.0	20.3

429368 2010 HC_{59} 4 17.9 69°.20 4°.9/22.2 17

3 12	14 11.12	−25 7.9	1.891	2.656	16.3	21.1
3 22	14 6.48	−25 32.7	1.819	2.673	13.4	20.9
4 1	13 59.44	−25 38.3	1.767	2.690	10.1	20.7
4 11	13 50.74	−25 24.0	1.739	2.707	6.8	20.6
4 21	13 41.38	−24 51.3	1.737	2.724	4.9	20.5
5 1	13 32.48	−24 4.8	1.762	2.741	6.2	20.6
5 11	13 25.04	−23 11.2	1.813	2.758	9.1	20.8
5 21	13 19.72	−22 17.6	1.888	2.775	12.2	21.0

471357 2011 RP_8 4 17.9 169°.27 3°.1/21.1 17

3 12	14 8.72	−22 10.6	2.546	3.309	12.6	22.2
3 22	14 4.11	−22 22.1	2.453	3.310	10.2	22.0
4 1	13 57.69	−22 20.2	2.382	3.312	7.5	21.8
4 11	13 49.99	−22 4.9	2.337	3.313	4.7	21.6
4 21	13 41.71	−21 37.9	2.321	3.314	3.1	21.5
5 1	13 33.65	−21 2.1	2.333	3.315	4.6	21.6
5 11	13 26.57	−20 22.2	2.373	3.316	7.4	21.8
5 21	13 21.03	−19 42.8	2.439	3.316	10.2	22.0

3802 Dornburg 4 17.9 296°.84 3°.5/15.4 18

3 12	14 7.73	− 6 34.8	1.377	2.226	17.0	17.2
3 22	14 4.75	− 5 42.1	1.287	2.207	13.1	16.9
4 1	13 58.84	− 4 36.5	1.219	2.188	8.6	16.6
4 11	13 50.68	− 3 24.6	1.174	2.169	4.3	16.3
4 21	13 41.35	− 2 15.1	1.154	2.150	4.8	16.3
5 1	13 32.23	− 1 17.3	1.158	2.132	9.5	16.5
5 11	13 24.65	− 0 39.2	1.186	2.114	14.5	16.7
5 21	13 19.57	− 0 24.5	1.232	2.096	18.9	16.9

513027 2017 VS_3 4 17.9 182°.76 3°.8/21.7 18

3 12	14 9.86	−24 7.1	2.576	3.326	12.8	21.7
3 22	14 5.02	−24 26.4	2.479	3.326	10.5	21.5
4 1	13 58.31	−24 31.6	2.406	3.326	7.9	21.4
4 11	13 50.26	−24 22.3	2.358	3.326	5.3	21.2
4 21	13 41.59	−23 59.6	2.338	3.326	3.8	21.1
5 1	13 33.12	−23 26.2	2.346	3.325	4.9	21.2
5 11	13 25.64	−22 46.6	2.383	3.323	7.5	21.3
5 21	13 19.74	−22 5.6	2.445	3.322	10.2	21.5

297940 2002 EW_{152} 4 17.9 144°.76 0°.3/18.3 18

3 12	14 6.62	−13 44.7	2.841	3.635	10.7	21.9
3 22	14 2.17	−13 25.2	2.756	3.643	8.2	21.8
4 1	13 56.25	−12 57.0	2.696	3.650	5.4	21.6
4 11	13 49.34	−12 22.2	2.664	3.658	2.3	21.4
4 21	13 42.04	−11 43.7	2.661	3.665	0.9	21.3
5 1	13 34.98	−11 4.9	2.688	3.671	4.0	21.5
5 11	13 28.76	−10 29.5	2.744	3.677	6.9	21.7
5 21	13 23.83	−10 0.4	2.825	3.683	9.5	21.9

292571 2006 TN_{79} 4 17.9 246°.36 2°.2/20.0 16

3 12	14 8.84	−18 39.5	2.439	3.219	12.6	21.0
3 22	14 4.32	−18 48.6	2.338	3.211	10.1	20.8
4 1	13 57.91	−18 45.9	2.260	3.202	7.1	20.6
4 11	13 50.12	−18 31.9	2.209	3.194	4.0	20.4
4 21	13 41.67	−18 8.3	2.186	3.185	2.3	20.3
5 1	13 33.37	−17 38.2	2.191	3.176	4.6	20.4
5 11	13 26.04	−17 6.0	2.225	3.167	7.8	20.6
5 21	13 20.28	−16 36.1	2.283	3.158	10.9	20.8

425993 2011 HS_{90} 4 17.9 308°.75 5°.9/12.6 17

3 12	14 6.38	+ 1 24.4	1.746	2.593	14.1	20.8
3 22	14 2.93	+ 2 33.7	1.667	2.581	10.9	20.6
4 1	13 57.21	+ 3 46.0	1.610	2.570	7.8	20.3
4 11	13 49.87	+ 4 53.4	1.578	2.559	5.9	20.2
4 21	13 41.79	+ 5 48.5	1.573	2.548	7.0	20.2
5 1	13 33.99	+ 6 24.7	1.593	2.537	10.0	20.4
5 11	13 27.44	+ 6 38.3	1.637	2.527	13.5	20.6
5 21	13 22.84	+ 6 28.8	1.700	2.517	16.6	20.7

365154 2009 DS_{93} 4 17.9 97°.80 2°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.53	− 6 53.8	1.564	2.396	16.1	21.0
3 22	14 7.65	− 6 15.1	1.502	2.411	12.3	20.8
4 1	14 0.21	− 5 27.9	1.461	2.427	7.9	20.6
4 11	13 51.06	− 4 37.9	1.446	2.441	3.6	20.4
4 21	13 41.31	− 3 51.3	1.458	2.456	3.6	20.4
5 1	13 32.15	− 3 14.7	1.496	2.470	7.7	20.7
5 11	13 24.63	− 2 52.5	1.559	2.484	11.8	21.0
5 21	13 19.39	− 2 47.1	1.644	2.498	15.4	21.2

354331 2002 YP_{34} 4 17.9 101°.95 5°.8/14.0 18

3 12	14 13.41	− 0 1.1	1.408	2.253	16.9	21.0
3 22	14 8.56	+ 0 57.2	1.350	2.265	13.0	20.8
4 1	14 0.91	+ 1 58.0	1.313	2.276	8.9	20.6
4 11	13 51.38	+ 2 52.8	1.301	2.287	6.0	20.4
4 21	13 41.17	+ 3 33.8	1.314	2.297	6.9	20.5
5 1	13 31.62	+ 3 54.7	1.352	2.308	10.4	20.7
5 11	13 23.87	+ 3 52.8	1.414	2.318	14.3	21.0
5 21	13 18.61	+ 3 28.9	1.495	2.328	17.7	21.2

409261 2004 LC_{30} 4 17.9 299°.55 4°.8/14.5 16

3 12	14 7.66	− 4 27.1	1.279	2.135	17.5	21.3
3 22	14 4.90	− 3 24.4	1.193	2.116	13.6	21.0
4 1	13 59.06	− 2 9.8	1.127	2.096	9.1	20.7
4 11	13 50.83	− 0 51.2	1.084	2.077	5.3	20.4
4 21	13 41.34	+ 0 21.1	1.065	2.057	6.2	20.4
5 1	13 32.06	+ 1 16.8	1.070	2.038	10.8	20.6
5 11	13 24.42	+ 1 48.3	1.097	2.020	15.8	20.8
5 21	13 19.44	+ 1 52.4	1.141	2.002	20.3	21.0

443717 2015 KA_{157} 4 17.9 107°.24 16°.1/ 2.1 18

3 12	14 8.93	+14 34.6	1.060	1.924	19.8	20.2
3 22	14 5.95	+18 27.2	1.029	1.931	17.3	20.1
4 1	13 59.59	+22 3.9	1.020	1.938	16.2	20.1
4 11	13 50.91	+25 2.1	1.033	1.945	16.9	20.1
4 21	13 41.40	+27 6.1	1.066	1.952	19.0	20.3
5 1	13 32.70	+28 9.9	1.117	1.958	21.6	20.4
5 11	13 26.20	+28 17.0	1.181	1.964	24.2	20.7
5 21	13 22.61	+27 36.7	1.257	1.970	26.4	20.9

295477 2008 QE_{26} 4 17.9 328°.85 7°.8/22.3 17

3 12	14 12.93	−26 26.6	1.594	2.364	18.6	19.8
3 22	14 8.91	−27 49.0	1.501	2.353	15.8	19.6
4 1	14 1.73	−28 54.2	1.427	2.342	12.6	19.4
4 11	13 51.99	−29 37.1	1.375	2.332	9.5	19.2
4 21	13 40.80	−29 54.6	1.347	2.323	7.8	19.0
5 1	13 29.66	−29 47.7	1.344	2.314	8.9	19.1
5 11	13 20.11	−29 22.1	1.365	2.306	11.9	19.2
5 21	13 13.26	−28 46.3	1.407	2.298	15.3	19.4

259676 2003 XK_3 4 17.9 148°.03 4°.4/14.3 18

3 12	14 10.89	− 1 58.9	1.758	2.593	14.5	20.5
3 22	14 6.22	− 1 2.3	1.688	2.598	11.1	20.3
4 1	13 59.24	− 0 1.2	1.641	2.603	7.5	20.1
4 11	13 50.67	+ 0 57.6	1.620	2.608	4.7	19.9
4 21	13 41.49	+ 1 47.5	1.626	2.613	5.4	20.0
5 1	13 32.74	+ 2 22.7	1.660	2.617	8.7	20.2
5 11	13 25.39	+ 2 39.3	1.717	2.620	12.2	20.4
5 21	13 20.08	+ 2 36.6	1.796	2.624	15.4	20.6

495253 Hanszimmer 4 17.9 317°.29 6°.1/12.9 17

3 12	14 3.12	− 3 9.3	1.274	2.139	17.0	20.4
3 22	14 1.40	− 1 40.2	1.185	2.112	13.2	20.1
4 1	13 56.78	+ 0 2.8	1.116	2.086	9.1	19.7
4 11	13 49.89	+ 1 49.9	1.071	2.060	6.2	19.5
4 21	13 41.77	+ 3 28.8	1.049	2.035	7.7	19.5
5 1	13 33.80	+ 4 47.0	1.051	2.011	12.1	19.7
5 11	13 27.36	+ 5 35.8	1.073	1.987	16.9	19.8
5 21	13 23.43	+ 5 51.6	1.113	1.965	21.3	20.0

248611 2006 DL_{131} 4 17.9 181°.17 1°.8/16.2 17

3 12	14 9.65	− 6 58.4	2.247	3.064	12.4	21.1
3 22	14 4.87	− 6 29.3	2.162	3.064	9.4	20.9
4 1	13 58.20	− 5 53.8	2.103	3.065	6.1	20.7
4 11	13 50.22	− 5 15.6	2.070	3.065	2.7	20.5
4 21	13 41.69	− 4 38.7	2.066	3.064	2.6	20.5
5 1	13 33.43	− 4 7.7	2.091	3.064	6.0	20.7
5 11	13 26.24	− 3 46.1	2.143	3.062	9.4	20.9
5 21	13 20.69	− 3 36.4	2.218	3.061	12.4	21.1

349034 2006 VW_{48} 4 17.9 180°.20 2°.6/15.3 17

3 12	14 8.55	− 2 59.2	2.541	3.361	11.0	21.3
3 22	14 3.79	− 2 36.7	2.458	3.361	8.4	21.2
4 1	13 57.38	− 2 11.5	2.400	3.361	5.5	21.0
4 11	13 49.85	− 1 47.1	2.370	3.361	3.0	20.8
4 21	13 41.85	− 1 26.9	2.369	3.361	3.3	20.8
5 1	13 34.10	− 1 14.2	2.397	3.361	5.9	21.0
5 11	13 27.28	− 1 11.4	2.452	3.360	8.8	21.2
5 21	13 21.88	− 1 19.7	2.531	3.360	11.4	21.4

106085 2000 SO_{355} 4 17.9 177°.50 2°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.74	− 4 19.2	3.025	3.836	9.7	21.1
3 22	14 2.91	− 3 53.5	2.939	3.838	7.3	20.9
4 1	13 56.69	− 3 24.6	2.879	3.839	4.8	20.7
4 11	13 49.54	− 2 55.5	2.848	3.840	2.4	20.6
4 21	13 42.00	− 2 29.2	2.847	3.841	2.6	20.6
5 1	13 34.67	− 2 8.5	2.876	3.841	5.0	20.7
5 11	13 28.11	− 1 55.8	2.933	3.840	7.6	20.9
5 21	13 22.75	− 1 52.6	3.015	3.839	9.9	21.1

375027 2007 GD_{76} 4 17.9 97°.93 3°.2/15.6 17

3 12	14 13.32	− 2 26.4	1.889	2.715	14.0	20.7
3 22	14 7.90	− 2 12.2	1.818	2.723	10.7	20.5
4 1	14 0.25	− 1 55.6	1.770	2.732	7.1	20.3
4 11	13 51.09	− 1 41.0	1.749	2.740	3.8	20.2
4 21	13 41.33	− 1 32.3	1.755	2.749	4.0	20.2
5 1	13 32.01	− 1 33.2	1.790	2.757	7.3	20.4
5 11	13 24.06	− 1 46.0	1.850	2.765	10.9	20.6
5 21	13 18.10	− 2 11.5	1.933	2.773	14.0	20.8

367484 2009 FW_{45} 4 17.9 333°.51 5°.2/14.2 17

3 12	14 2.90	− 4 21.4	1.152	2.023	18.1	19.7
3 22	14 1.38	− 3 13.7	1.075	2.006	13.9	19.4
4 1	13 56.79	− 1 53.6	1.018	1.990	9.3	19.1
4 11	13 49.88	− 0 30.3	0.983	1.976	5.6	18.8
4 21	13 41.81	+ 0 45.0	0.970	1.962	6.6	18.8
5 1	13 34.05	+ 1 41.1	0.980	1.950	11.3	19.0
5 11	13 28.03	+ 2 10.3	1.010	1.939	16.3	19.2
5 21	13 24.67	+ 2 10.1	1.057	1.929	20.7	19.5

237552 2000 WH_{66} 4 17.9 219°.32 6°.2/11.9 18

3 12	14 14.43	+ 9 18.9	2.514	3.324	11.4	21.0
3 22	14 8.33	+10 0.0	2.428	3.313	9.2	20.8
4 1	14 0.38	+10 36.3	2.368	3.302	7.3	20.7
4 11	13 51.13	+11 2.4	2.335	3.290	6.3	20.6
4 21	13 41.30	+11 14.1	2.330	3.277	7.0	20.6
5 1	13 31.73	+11 8.3	2.354	3.264	9.0	20.7
5 11	13 23.17	+10 44.0	2.404	3.250	11.3	20.9
5 21	13 16.21	+10 2.4	2.477	3.235	13.6	21.0

406827 2008 YN_{97} 4 17.9 87°.22 0°.8/18.5 18

3 12	14 11.86	−14 19.9	1.461	2.283	17.6	21.7
3 22	14 7.55	−14 10.8	1.390	2.290	13.7	21.5
4 1	14 0.41	−13 46.2	1.338	2.298	9.1	21.3
4 11	13 51.25	−13 8.6	1.311	2.305	4.0	21.0
4 21	13 41.25	−12 23.1	1.309	2.313	1.6	20.8
5 1	13 31.77	−11 36.3	1.333	2.320	6.6	21.2
5 11	13 24.01	−10 55.6	1.382	2.327	11.4	21.4
5 21	13 18.75	−10 26.5	1.453	2.334	15.5	21.7

267274 2001 RG_{47} 4 17.9 98°.07 13°.3/ 4.9 18

3 12	14 29.79	−53 2.4	2.349	2.875	18.7	21.3
3 22	14 22.12	−54 51.4	2.286	2.903	17.5	21.2
4 1	14 10.44	−56 13.3	2.237	2.931	16.1	21.2
4 11	13 55.63	−57 0.7	2.206	2.959	14.9	21.1
4 21	13 39.26	−57 9.0	2.193	2.986	13.9	21.1
5 1	13 23.40	−56 38.2	2.201	3.012	13.4	21.1
5 11	13 9.93	−55 34.5	2.230	3.037	13.4	21.1
5 21	13 0.03	−54 7.7	2.280	3.061	14.0	21.2

421312 2013 TJ_{49} 4 17.9 233°.53 0°.1/18.1 17

3 12	13 59.38	−12 46.1	4.786	5.578	6.7	21.9
3 22	13 56.19	−12 26.6	4.685	5.572	5.1	21.8
4 1	13 52.19	−12 2.1	4.610	5.565	3.3	21.7
4 11	13 47.64	−11 34.1	4.565	5.559	1.4	21.5
4 21	13 42.86	−11 4.2	4.549	5.553	0.6	21.4
5 1	13 38.18	−10 34.3	4.564	5.547	2.6	21.6
5 11	13 33.91	−10 6.4	4.609	5.540	4.4	21.7
5 21	13 30.32	− 9 42.1	4.680	5.534	6.1	21.8

26677 2001 EJ_{18} 4 17.9 337°.03 33°.6/13.8 18

3 12	14 56.84	+47 7.9	0.776	1.517	35.5	18.5
3 22	14 45.42	+48 29.0	0.748	1.516	34.7	18.4
4 1	14 26.17	+48 48.8	0.725	1.514	34.0	18.3
4 11	14 1.85	+47 39.3	0.711	1.513	33.6	18.3
4 21	13 36.91	+44 45.3	0.706	1.512	33.8	18.3
5 1	13 15.72	+40 11.3	0.714	1.512	34.5	18.3
5 11	13 0.74	+34 22.4	0.735	1.511	35.7	18.4
5 21	12 52.23	+27 50.7	0.770	1.511	37.3	18.5

458879 2011 UM_{153} 4 17.9 205°.80 3°.1/15.5 17

3 12	14 13.29	− 4 53.8	1.863	2.686	14.3	22.6
3 22	14 8.11	− 4 13.8	1.776	2.681	11.0	22.4
4 1	14 0.56	− 3 27.1	1.713	2.676	7.2	22.1
4 11	13 51.29	− 2 38.7	1.676	2.669	3.7	21.9
4 21	13 41.24	− 1 54.2	1.668	2.662	4.0	21.9
5 1	13 31.49	− 1 19.6	1.687	2.654	7.7	22.1
5 11	13 23.05	− 0 59.2	1.732	2.645	11.6	22.3
5 21	13 16.65	− 0 55.2	1.799	2.636	15.0	22.5

302160 2001 SA_{320} 4 17.9 233°.90 2°.3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.74	− 8 57.5	1.731	2.557	15.1	21.5
3 22	14 6.44	− 7 59.1	1.638	2.544	11.6	21.2
4 1	13 59.62	− 6 47.5	1.567	2.531	7.5	20.9
4 11	13 50.95	− 5 28.0	1.522	2.517	3.4	20.6
4 21	13 41.37	− 4 7.8	1.504	2.503	3.4	20.6
5 1	13 32.03	− 2 55.1	1.515	2.488	7.7	20.8
5 11	13 24.02	− 1 57.1	1.550	2.472	12.1	21.0
5 21	13 18.13	− 1 18.4	1.608	2.455	16.0	21.3

468414 2016 GV_{204} 4 17.9 6°.54 2°.9/15.9 17

3 12	14 6.40	− 7 5.6	1.349	2.201	17.1	20.3
3 22	14 3.49	− 6 25.0	1.281	2.201	13.1	20.0
4 1	13 57.83	− 5 33.7	1.232	2.202	8.4	19.8
4 11	13 50.20	− 4 38.2	1.208	2.204	3.9	19.5
4 21	13 41.75	− 3 46.0	1.208	2.206	4.0	19.5
5 1	13 33.76	− 3 4.9	1.232	2.210	8.5	19.8
5 11	13 27.42	− 2 40.9	1.280	2.214	13.1	20.0
5 21	13 23.49	− 2 36.5	1.347	2.218	17.1	20.3

181950 1999 TB_{226} 4 17.9 252°.15 0°.4/18.4 18

3 12	14 5.56	−14 20.7	2.556	3.356	11.6	21.1
3 22	14 1.65	−13 58.9	2.459	3.349	9.0	20.9
4 1	13 56.09	−13 26.7	2.387	3.342	6.0	20.7
4 11	13 49.36	−12 46.4	2.341	3.335	2.6	20.4
4 21	13 42.11	−12 1.0	2.324	3.327	1.0	20.3
5 1	13 35.05	−11 14.7	2.336	3.320	4.4	20.5
5 11	13 28.86	−10 31.9	2.375	3.313	7.7	20.7
5 21	13 24.06	− 9 56.3	2.440	3.305	10.6	20.9

289385 2005 CO_{28} 4 17.9 130°.99 0°.5/18.4 18

3 12	14 13.58	−14 14.5	1.857	2.659	15.1	21.9
3 22	14 8.21	−13 57.7	1.783	2.674	11.7	21.7
4 1	14 0.51	−13 27.9	1.732	2.687	7.8	21.5
4 11	13 51.22	−12 47.6	1.706	2.700	3.4	21.2
4 21	13 41.32	−12 1.2	1.709	2.713	1.3	21.1
5 1	13 31.89	−11 14.3	1.740	2.724	5.7	21.4
5 11	13 23.91	−10 32.8	1.798	2.735	9.7	21.7
5 21	13 18.01	−10 1.1	1.880	2.746	13.2	21.9

233413 2006 GH_{38} 4 17.9 2°.86 7°.0/11.4 17

3 12	14 3.97	+ 2 20.8	1.566	2.423	14.8	19.8
3 22	14 1.20	+ 3 55.4	1.503	2.422	11.6	19.6
4 1	13 56.12	+ 5 32.2	1.462	2.422	8.5	19.4
4 11	13 49.43	+ 7 1.2	1.447	2.422	7.0	19.3
4 21	13 42.10	+ 8 13.4	1.456	2.424	8.3	19.4
5 1	13 35.18	+ 9 1.5	1.490	2.426	11.3	19.6
5 11	13 29.65	+ 9 22.2	1.546	2.428	14.6	19.8
5 21	13 26.12	+ 9 15.9	1.620	2.431	17.5	20.0

56747 2000 OD_{4} 4 17.9 192°.39 3°.3/21.7 18

3 12	14 7.40	−24 6.2	2.679	3.432	12.3	19.3
3 22	14 3.06	−24 4.2	2.581	3.431	10.0	19.1
4 1	13 57.01	−23 47.5	2.506	3.430	7.4	18.9
4 11	13 49.75	−23 16.5	2.456	3.428	4.8	18.7
4 21	13 41.96	−22 32.8	2.434	3.425	3.3	18.6
5 1	13 34.37	−21 40.1	2.441	3.423	4.5	18.7
5 11	13 27.72	−20 43.1	2.477	3.420	7.1	18.9
5 21	13 22.52	−19 47.0	2.538	3.417	9.8	19.0

106866 2000 YQ_{28} 4 17.9 157°.93 11°.8/ 6.6 18 R

3 12	14 10.88	+ 6 25.9	1.225	2.084	18.0	19.3
3 22	14 7.09	+ 9 50.0	1.177	2.090	14.6	19.1
4 1	14 0.21	+13 14.3	1.152	2.095	12.2	18.9
4 11	13 51.19	+16 19.0	1.152	2.099	12.0	18.9
4 21	13 41.35	+18 46.7	1.176	2.103	14.2	19.1
5 1	13 32.16	+20 26.8	1.223	2.106	17.4	19.3
5 11	13 24.92	+21 17.4	1.287	2.109	20.6	19.5
5 21	13 20.38	+21 23.6	1.367	2.110	23.3	19.7

421959 2014 QY_{269} 4 17.9 240°.55 4°.6/14.1 17

3 12	14 11.36	− 2 26.5	1.756	2.590	14.6	21.7
3 22	14 6.86	− 1 22.1	1.666	2.575	11.3	21.5
4 1	13 59.89	− 0 10.5	1.598	2.560	7.6	21.2
4 11	13 51.08	+ 1 1.4	1.556	2.544	4.8	21.0
4 21	13 41.36	+ 2 5.9	1.542	2.528	5.7	21.0
5 1	13 31.86	+ 2 55.6	1.555	2.511	9.2	21.2
5 11	13 23.68	+ 3 25.4	1.592	2.493	13.2	21.4
5 21	13 17.57	+ 3 33.4	1.650	2.474	16.7	21.5

187397 2005 UR_{522} 4 17.9 270°.90 1°.8/16.5 17

3 12	14 7.96	− 9 20.4	1.743	2.572	14.8	21.0
3 22	14 4.21	− 8 38.0	1.657	2.565	11.4	20.7
4 1	13 58.11	− 7 44.2	1.593	2.558	7.4	20.5
4 11	13 50.31	− 6 43.4	1.555	2.551	3.1	20.2
4 21	13 41.72	− 5 41.9	1.544	2.544	2.8	20.2
5 1	13 33.43	− 4 46.6	1.559	2.537	7.1	20.4
5 11	13 26.44	− 4 3.6	1.600	2.530	11.3	20.6
5 21	13 21.47	− 3 36.8	1.663	2.523	15.0	20.8

385410 2002 XF_{119} 4 17.9 82°.80 4°.4/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.20	+ 1 7.0	2.128	2.959	12.5	20.8
3 22	14 4.53	+ 1 43.9	2.060	2.966	9.6	20.7
4 1	13 57.96	+ 2 21.0	2.015	2.973	6.7	20.5
4 11	13 50.14	+ 2 53.3	1.996	2.980	4.6	20.4
4 21	13 41.83	+ 3 16.2	2.006	2.987	5.2	20.4
5 1	13 33.89	+ 3 26.1	2.043	2.993	7.8	20.6
5 11	13 27.09	+ 3 20.8	2.106	3.000	10.7	20.8
5 21	13 21.97	+ 3 0.2	2.191	3.007	13.4	21.0

138619 2000 QL_{211} 4 17.9 131°.55 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.94	− 9 28.8	2.857	3.662	10.3	20.6
3 22	14 2.35	− 8 59.0	2.780	3.676	7.8	20.4
4 1	13 56.35	− 8 23.0	2.728	3.688	5.0	20.2
4 11	13 49.43	− 7 43.3	2.705	3.700	2.1	20.0
4 21	13 42.15	− 7 3.3	2.711	3.712	1.6	20.0
5 1	13 35.14	− 6 26.6	2.747	3.724	4.5	20.2
5 11	13 28.97	− 5 56.2	2.812	3.735	7.3	20.4
5 21	13 24.07	− 5 34.5	2.902	3.745	9.7	20.6

64240 2001 TN_{137} 4 17.9 153°.44 4°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.56	+ 2 41.0	2.625	3.447	10.6	19.9
3 22	14 3.69	+ 3 22.2	2.553	3.453	8.2	19.7
4 1	13 57.28	+ 4 2.8	2.506	3.459	5.8	19.6
4 11	13 49.83	+ 4 38.4	2.487	3.464	4.3	19.5
4 21	13 41.98	+ 5 5.0	2.497	3.469	4.9	19.5
5 1	13 34.43	+ 5 19.6	2.535	3.474	7.1	19.6
5 11	13 27.80	+ 5 20.2	2.600	3.478	9.5	19.8
5 21	13 22.55	+ 5 6.8	2.687	3.482	11.8	20.0

141924 2002 PU_{84} 4 17.9 234°.79 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.74	−12 54.4	2.051	2.854	13.9	20.9
3 22	14 6.91	−12 36.3	1.948	2.841	10.8	20.7
4 1	13 59.81	−12 6.5	1.869	2.826	7.2	20.4
4 11	13 51.04	−11 27.3	1.816	2.811	3.0	20.1
4 21	13 41.41	−10 42.4	1.791	2.795	1.3	20.0
5 1	13 31.94	− 9 56.9	1.795	2.778	5.7	20.2
5 11	13 23.61	− 9 16.5	1.827	2.761	9.8	20.5
5 21	13 17.15	− 8 45.6	1.882	2.743	13.4	20.6

26230 1998 QR_1 4 17.9 12°.59 3°.4/20.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.32	−21 0.8	1.429	2.239	18.5	18.1
3 22	14 4.32	−20 58.6	1.352	2.240	14.9	17.8
4 1	13 58.46	−20 33.9	1.294	2.242	10.7	17.6
4 11	13 50.52	−19 47.4	1.258	2.244	6.1	17.3
4 21	13 41.66	−18 43.2	1.247	2.247	3.4	17.2
5 1	13 33.24	−17 28.9	1.261	2.250	6.5	17.4
5 11	13 26.50	−16 14.4	1.299	2.254	11.0	17.6
5 21	13 22.26	−15 8.4	1.359	2.258	15.2	17.9

466209 2012 QF_{36} 4 17.9 249°.02 2°.8/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.08	−27 1.9	4.762	5.480	7.7	21.2
3 22	13 58.35	−27 13.7	4.653	5.473	6.4	21.1
4 1	13 53.66	−27 16.7	4.567	5.466	5.0	21.0
4 11	13 48.31	−27 10.9	4.507	5.459	3.6	20.9
4 21	13 42.65	−26 57.0	4.477	5.452	2.8	20.8
5 1	13 37.08	−26 36.4	4.476	5.445	3.2	20.9
5 11	13 31.96	−26 11.1	4.504	5.438	4.4	20.9
5 21	13 27.62	−25 43.3	4.559	5.431	5.9	21.0

348841 2006 SC_{11} 4 17.9 194°.84 2°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.48	−19 41.9	2.620	3.390	12.1	21.5
3 22	14 4.67	−19 51.5	2.523	3.388	9.7	21.3
4 1	13 58.08	−19 49.5	2.449	3.386	6.9	21.1
4 11	13 50.23	−19 36.1	2.402	3.384	4.0	20.9
4 21	13 41.80	−19 13.1	2.383	3.381	2.4	20.8
5 1	13 33.55	−18 43.2	2.394	3.378	4.4	20.9
5 11	13 26.23	−18 10.8	2.434	3.375	7.3	21.1
5 21	13 20.41	−17 39.8	2.498	3.372	10.1	21.3

313743 2003 UR_{236} 4 17.9 184°.14 2°.3/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.86	− 7 34.3	1.883	2.706	14.2	21.3
3 22	14 6.18	− 6 48.3	1.802	2.707	10.8	21.1
4 1	13 59.26	− 5 53.0	1.743	2.707	7.0	20.9
4 11	13 50.76	− 4 53.5	1.711	2.706	3.2	20.6
4 21	13 41.58	− 3 55.7	1.707	2.705	3.2	20.6
5 1	13 32.75	− 3 5.7	1.731	2.703	7.0	20.9
5 11	13 25.21	− 2 28.8	1.781	2.701	10.9	21.1
5 21	13 19.62	− 2 7.8	1.854	2.698	14.3	21.3

427381 2014 XS_{26} 4 17.9 14°.00 9°.7/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.47	+11 46.9	1.654	2.494	15.0	19.7
3 22	14 5.30	+13 9.9	1.598	2.495	12.5	19.5
4 1	13 58.73	+14 24.7	1.563	2.496	10.4	19.4
4 11	13 50.53	+15 21.6	1.552	2.497	9.7	19.4
4 21	13 41.70	+15 53.2	1.566	2.499	10.9	19.4
5 1	13 33.37	+15 55.3	1.603	2.500	13.1	19.6
5 11	13 26.52	+15 27.8	1.661	2.502	15.8	19.8
5 21	13 21.79	+14 34.0	1.737	2.504	18.2	19.9

316782 1999 TL_{153} 4 17.9 144°.54 3°.5/20.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.36	−20 42.5	2.008	2.778	15.3	21.3
3 22	14 10.43	−21 9.4	1.925	2.788	12.3	21.1
4 1	14 2.05	−21 21.4	1.864	2.798	8.9	20.9
4 11	13 51.94	−21 18.0	1.828	2.808	5.4	20.7
4 21	13 41.07	−21 0.4	1.821	2.816	3.5	20.6
5 1	13 30.56	−20 32.0	1.842	2.824	5.6	20.7
5 11	13 21.45	−19 58.6	1.890	2.832	9.1	21.0
5 21	13 14.47	−19 25.9	1.963	2.838	12.4	21.2

182506 2001 SL_{251} 4 17.9 271°.00 0°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 0.76	−10 2.8	4.473	5.273	7.0	19.8
3 22	13 57.30	− 9 50.7	4.372	5.264	5.3	19.6
4 1	13 52.96	− 9 34.5	4.297	5.256	3.4	19.5
4 11	13 48.01	− 9 15.7	4.252	5.247	1.4	19.3
4 21	13 42.80	− 8 56.0	4.236	5.239	0.8	19.3
5 1	13 37.69	− 8 37.2	4.251	5.230	2.9	19.4
5 11	13 33.01	− 8 21.2	4.294	5.221	4.9	19.6
5 21	13 29.07	− 8 9.4	4.364	5.213	6.6	19.7

299960 2006 TY_{77} 4 17.9 160°.02 1°.9/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.27	−18 17.2	2.525	3.306	12.2	21.4
3 22	14 3.74	−18 16.7	2.435	3.309	9.7	21.3
4 1	13 57.47	−18 4.4	2.368	3.312	6.7	21.1
4 11	13 49.97	−17 41.5	2.328	3.314	3.6	20.9
4 21	13 41.94	−17 10.0	2.316	3.316	1.9	20.8
5 1	13 34.15	−16 33.6	2.333	3.319	4.3	20.9
5 11	13 27.31	−15 56.6	2.378	3.320	7.4	21.1
5 21	13 21.98	−15 23.0	2.449	3.322	10.3	21.3

18680 Weirather 4 17.9 118°.22 1°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.93	−18 33.8	1.634	2.438	16.8	18.6
3 22	14 5.85	−18 6.5	1.557	2.446	13.3	18.4
4 1	13 59.21	−17 19.6	1.501	2.453	9.1	18.1
4 11	13 50.77	−16 15.6	1.469	2.460	4.5	17.9
4 21	13 41.61	−14 59.9	1.464	2.467	1.9	17.7
5 1	13 32.90	−13 40.2	1.486	2.473	6.0	18.0
5 11	13 25.75	−12 25.3	1.533	2.480	10.4	18.3
5 21	13 20.85	−11 22.0	1.604	2.486	14.3	18.5

26024 4543 P–L 4 17.9 272°.53 0°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.00	−13 23.6	1.436	2.261	17.7	18.6
3 22	14 8.15	−13 16.8	1.340	2.243	13.9	18.3
4 1	14 1.20	−12 54.7	1.265	2.226	9.4	18.0
4 11	13 51.81	−12 19.2	1.212	2.208	4.1	17.6
4 21	13 41.08	−11 34.6	1.185	2.189	1.7	17.4
5 1	13 30.47	−10 47.8	1.184	2.171	7.3	17.7
5 11	13 21.45	−10 6.9	1.207	2.152	12.7	17.9
5 21	13 15.05	− 9 38.3	1.251	2.133	17.5	18.1

523131 2016 SB_{54} 4 17.9 275°.47 1°.6/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.69	− 9 6.2	2.453	3.271	11.4	22.2
3 22	14 1.11	− 8 12.6	2.349	3.252	8.7	22.0
4 1	13 55.82	− 7 9.5	2.270	3.233	5.6	21.8
4 11	13 49.32	− 6 0.6	2.218	3.213	2.5	21.5
4 21	13 42.23	− 4 50.9	2.195	3.194	2.4	21.5
5 1	13 35.27	− 3 45.7	2.202	3.174	5.7	21.7
5 11	13 29.17	− 2 50.2	2.235	3.154	9.0	21.8
5 21	13 24.47	− 2 7.8	2.293	3.134	12.0	22.0

119467 2001 UB_7 4 17.9 231°.29 0°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.36	−12 14.5	2.084	2.893	13.5	20.5
3 22	14 4.98	−11 42.9	1.987	2.883	10.4	20.3
4 1	13 58.49	−10 59.5	1.913	2.872	6.8	20.0
4 11	13 50.47	−10 7.4	1.865	2.861	2.8	19.7
4 21	13 41.72	− 9 10.9	1.846	2.849	1.5	19.6
5 1	13 33.18	− 8 15.8	1.856	2.837	5.7	19.9
5 11	13 25.74	− 7 27.8	1.892	2.825	9.6	20.1
5 21	13 20.08	− 6 51.1	1.952	2.811	13.1	20.3

289440 2005 EQ_{34} 4 17.9 37°.75 5°.8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.54	−23 15.3	1.290	2.093	20.5	20.2
3 22	14 7.87	−23 59.8	1.225	2.104	16.8	20.0
4 1	14 0.92	−24 21.3	1.178	2.116	12.6	19.7
4 11	13 51.60	−24 17.7	1.152	2.128	8.3	19.5
4 21	13 41.25	−23 50.2	1.149	2.142	5.8	19.4
5 1	13 31.50	−23 4.7	1.171	2.156	7.7	19.6
5 11	13 23.79	−22 10.8	1.216	2.170	11.7	19.8
5 21	13 18.97	−21 18.1	1.281	2.185	15.7	20.1

111494 2001 YU_{53} 4 17.9 126°.18 0°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.70	−13 16.6	2.055	2.860	13.8	20.3
3 22	14 5.83	−12 56.1	1.979	2.872	10.7	20.1
4 1	13 58.90	−12 24.4	1.926	2.883	7.0	19.9
4 11	13 50.58	−11 44.2	1.899	2.894	3.0	19.7
4 21	13 41.71	−10 59.5	1.901	2.905	1.2	19.6
5 1	13 33.23	−10 15.4	1.931	2.915	5.3	19.9
5 11	13 26.00	− 9 36.9	1.989	2.925	9.0	20.1
5 21	13 20.58	− 9 7.8	2.070	2.934	12.3	20.4

429241 2010 AP_{77} 4 17.9 60°.38 4°.6/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.85	−23 30.3	1.808	2.582	16.6	20.7
3 22	14 7.17	−24 1.3	1.737	2.598	13.5	20.6
4 1	14 0.00	−24 14.1	1.686	2.615	10.1	20.4
4 11	13 51.10	−24 7.7	1.660	2.632	6.6	20.2
4 21	13 41.49	−23 43.7	1.659	2.650	4.7	20.1
5 1	13 32.35	−23 6.3	1.685	2.667	6.2	20.2
5 11	13 24.72	−22 22.2	1.738	2.684	9.4	20.5
5 21	13 19.30	−21 38.1	1.813	2.702	12.6	20.7

462128 2007 RZ_{228} 4 17.9 250°.64 4°.1/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.42	− 4 25.7	1.709	2.544	14.9	22.1
3 22	14 6.26	− 3 19.7	1.616	2.527	11.5	21.9
4 1	13 59.58	− 2 4.1	1.546	2.510	7.6	21.6
4 11	13 51.02	− 0 45.5	1.501	2.492	4.4	21.4
4 21	13 41.50	+ 0 28.2	1.484	2.474	5.2	21.4
5 1	13 32.17	+ 1 28.8	1.493	2.455	9.0	21.5
5 11	13 24.16	+ 2 10.2	1.527	2.435	13.2	21.7
5 21	13 18.27	+ 2 29.5	1.582	2.415	16.9	21.9

6909 Levison 4 17.9 225°.60 11°.8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 29.77	−61 13.7	3.451	3.856	14.3	20.2
3 22	14 21.99	−62 31.5	3.339	3.840	13.8	20.1
4 1	14 10.44	−63 29.0	3.239	3.823	13.2	20.0
4 11	13 55.79	−64 0.3	3.155	3.806	12.6	19.9
4 21	13 39.33	−64 0.5	3.087	3.787	12.1	19.9
5 1	13 22.91	−63 27.9	3.039	3.767	11.8	19.8
5 11	13 8.36	−62 25.1	3.011	3.747	11.8	19.8
5 21	12 56.98	−60 58.0	3.003	3.725	12.2	19.8

264602 2001 UF_{75} 4 17.9 129°.06 2°.2/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.54	− 6 29.5	2.251	3.067	12.4	22.0
3 22	14 5.41	− 5 42.4	2.182	3.084	9.4	21.9
4 1	13 58.48	− 4 49.0	2.138	3.100	6.0	21.7
4 11	13 50.38	− 3 53.8	2.122	3.116	2.9	21.5
4 21	13 41.85	− 3 1.7	2.135	3.131	3.0	21.5
5 1	13 33.73	− 2 17.6	2.177	3.145	6.1	21.8
5 11	13 26.74	− 1 45.1	2.246	3.158	9.3	22.0
5 21	13 21.39	− 1 26.2	2.339	3.171	12.1	22.2

99752 2002 JK_{84} 4 17.9 4°.35 1°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.52	−17 49.1	1.792	2.596	15.5	19.5
3 22	14 3.89	−17 37.8	1.707	2.596	12.3	19.3
4 1	13 57.91	−17 10.0	1.645	2.596	8.5	19.0
4 11	13 50.26	−16 27.6	1.606	2.597	4.3	18.8
4 21	13 41.87	−15 34.4	1.595	2.597	1.9	18.6
5 1	13 33.81	−14 36.3	1.610	2.598	5.6	18.9
5 11	13 27.08	−13 40.3	1.651	2.599	9.7	19.1
5 21	13 22.36	−12 52.5	1.715	2.600	13.4	19.3

292684 2006 UW_{93} 4 17.9 141°.35 1°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.43	− 8 28.9	1.787	2.610	14.8	21.3
3 22	14 6.72	− 8 2.8	1.711	2.615	11.3	21.1
4 1	13 59.65	− 7 27.8	1.657	2.620	7.3	20.8
4 11	13 50.96	− 6 48.0	1.629	2.625	3.1	20.6
4 21	13 41.58	− 6 8.4	1.628	2.629	2.6	20.5
5 1	13 32.61	− 5 34.5	1.655	2.633	6.7	20.8
5 11	13 25.02	− 5 11.2	1.708	2.637	10.7	21.0
5 21	13 19.48	− 5 1.3	1.784	2.640	14.3	21.3

8464 Polishook 4 17.9 255°.80 2°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.39	−16 44.4	2.053	2.844	14.3	18.0
3 22	14 7.53	−17 1.4	1.950	2.830	11.4	17.8
4 1	14 0.31	−17 6.8	1.868	2.816	7.9	17.6
4 11	13 51.32	−17 0.5	1.813	2.801	4.2	17.3
4 21	13 41.40	−16 44.3	1.785	2.787	2.2	17.1
5 1	13 31.58	−16 21.4	1.786	2.772	5.4	17.3
5 11	13 22.90	−15 56.8	1.814	2.756	9.3	17.5
5 21	13 16.15	−15 35.4	1.866	2.741	12.9	17.7

156405 2002 AS_{34} 4 17.9 122°.78 1°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.69	−16 31.8	2.126	2.918	13.8	20.4
3 22	14 5.78	−16 15.6	2.049	2.933	10.8	20.2
4 1	13 58.86	−15 46.1	1.996	2.946	7.3	20.0
4 11	13 50.58	−15 5.6	1.968	2.960	3.5	19.8
4 21	13 41.78	−14 17.6	1.969	2.972	1.4	19.6
5 1	13 33.36	−13 27.0	1.999	2.985	4.9	19.9
5 11	13 26.17	−12 39.5	2.056	2.996	8.5	20.1
5 21	13 20.77	−11 59.5	2.138	3.008	11.7	20.4

21525 1998 MP_{23} 4 17.9 66°.34 5°.3/13.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.58	+ 0 41.3	1.774	2.615	14.1	17.7
3 22	14 4.30	+ 1 48.7	1.722	2.634	10.8	17.6
4 1	13 57.91	+ 2 57.2	1.693	2.652	7.5	17.4
4 11	13 50.16	+ 3 59.5	1.689	2.671	5.4	17.3
4 21	13 41.98	+ 4 49.0	1.713	2.690	6.3	17.4
5 1	13 34.32	+ 5 20.6	1.762	2.709	9.1	17.6
5 11	13 28.04	+ 5 31.9	1.836	2.727	12.2	17.8
5 21	13 23.66	+ 5 23.1	1.931	2.746	15.0	18.1

208479 2001 UC_{137} 4 17.9 281°.79 2°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 5.98	−21 55.5	2.232	3.009	13.7	19.5
3 22	14 2.42	−21 39.2	2.125	2.994	11.1	19.3
4 1	13 56.85	−21 5.8	2.040	2.978	8.0	19.1
4 11	13 49.82	−20 15.9	1.981	2.963	4.7	18.8
4 21	13 42.07	−19 12.3	1.949	2.947	2.7	18.7
5 1	13 34.49	−18 0.0	1.945	2.932	4.9	18.8
5 11	13 27.93	−16 45.4	1.969	2.916	8.4	19.0
5 21	13 23.04	−15 35.2	2.017	2.900	11.7	19.2

336074 2008 FU_{73} 4 17.9 267°.93 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 2.39	−10 44.9	4.358	5.153	7.2	20.1
3 22	13 58.56	−10 42.0	4.261	5.150	5.5	20.0
4 1	13 53.79	−10 35.0	4.191	5.147	3.6	19.8
4 11	13 48.39	−10 25.3	4.149	5.144	1.5	19.6
4 21	13 42.73	−10 14.2	4.138	5.141	0.7	19.6
5 1	13 37.16	−10 3.4	4.157	5.139	2.8	19.7
5 11	13 32.08	− 9 54.6	4.206	5.136	4.9	19.9
5 21	13 27.76	− 9 49.4	4.281	5.133	6.7	20.0

7581 Yudovich 4 17.9 101°.41 0°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.83	− 9 38.7	2.419	3.230	11.8	17.8
3 22	14 3.31	− 9 14.6	2.345	3.243	9.0	17.6
4 1	13 57.12	− 8 43.3	2.296	3.256	5.8	17.4
4 11	13 49.83	− 8 7.8	2.273	3.269	2.4	17.2
4 21	13 42.11	− 7 31.7	2.280	3.282	1.7	17.2
5 1	13 34.72	− 6 58.9	2.316	3.294	5.0	17.4
5 11	13 28.32	− 6 33.0	2.379	3.306	8.2	17.6
5 21	13 23.42	− 6 16.6	2.466	3.318	11.0	17.8

140775 2001 US_{131} 4 17.9 300°.07 1°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.25	− 8 19.4	2.202	3.020	12.6	20.2
3 22	14 3.93	− 8 3.5	2.115	3.017	9.6	20.0
4 1	13 57.69	− 7 40.9	2.053	3.015	6.2	19.7
4 11	13 50.13	− 7 14.5	2.017	3.013	2.6	19.5
4 21	13 41.97	− 6 47.9	2.010	3.011	2.0	19.4
5 1	13 34.06	− 6 25.1	2.030	3.009	5.6	19.7
5 11	13 27.20	− 6 9.9	2.078	3.007	9.1	19.9
5 21	13 21.97	− 6 4.8	2.149	3.004	12.2	20.1

237930 2002 QY_{13} 4 17.9 128°.99 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.94	−11 30.8	2.438	3.246	11.8	21.0
3 22	14 2.63	−10 38.7	2.361	3.258	9.0	20.8
4 1	13 56.67	− 9 36.8	2.309	3.270	5.8	20.6
4 11	13 49.64	− 8 29.0	2.285	3.281	2.3	20.4
4 21	13 42.20	− 7 20.1	2.291	3.292	1.7	20.4
5 1	13 35.09	− 6 15.1	2.326	3.303	5.1	20.7
5 11	13 28.97	− 5 19.0	2.388	3.313	8.3	20.9
5 21	13 24.30	− 4 34.9	2.476	3.323	11.1	21.1

508710 2017 UC_{23} 4 17.9 266°.06 2°.0/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.18	− 7 48.5	1.905	2.732	13.9	21.5
3 22	14 4.17	− 7 13.0	1.821	2.728	10.6	21.3
4 1	13 57.99	− 6 28.9	1.760	2.725	6.9	21.0
4 11	13 50.29	− 5 40.5	1.725	2.721	3.0	20.8
4 21	13 41.90	− 4 53.1	1.717	2.717	2.9	20.7
5 1	13 33.80	− 4 12.2	1.737	2.712	6.7	21.0
5 11	13 26.90	− 3 42.8	1.783	2.708	10.6	21.2
5 21	13 21.86	− 3 27.7	1.851	2.704	14.0	21.4

156464 2002 CD_5 4 17.9 103°.96 0°.1/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.81	−13 10.3	1.972	2.780	14.2	21.0
3 22	14 5.97	−12 50.9	1.901	2.795	11.0	20.8
4 1	13 59.02	−12 20.0	1.853	2.810	7.2	20.6
4 11	13 50.66	−11 40.6	1.831	2.825	3.0	20.4
4 21	13 41.77	−10 56.9	1.836	2.840	1.3	20.3
5 1	13 33.32	−10 14.0	1.871	2.855	5.4	20.6
5 11	13 26.17	− 9 37.1	1.932	2.869	9.2	20.8
5 21	13 20.90	− 9 9.9	2.017	2.882	12.5	21.1

61122 2000 MM_1 4 17.9 306°.57 3°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.70	−19 22.7	1.340	2.156	19.2	18.9
3 22	14 6.67	−19 46.2	1.249	2.141	15.6	18.6
4 1	14 0.39	−19 50.3	1.177	2.127	11.2	18.3
4 11	13 51.55	−19 33.8	1.126	2.113	6.5	18.0
4 21	13 41.30	−18 58.4	1.099	2.099	3.8	17.8
5 1	13 31.21	−18 9.9	1.097	2.086	7.3	17.9
5 11	13 22.83	−17 17.2	1.117	2.073	12.4	18.2
5 21	13 17.27	−16 29.4	1.159	2.060	17.1	18.4

98170 2000 SJ_{87} 4 17.9 82°.26 3°.7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.91	− 5 14.3	1.478	2.317	16.5	19.8
3 22	14 7.24	− 4 14.9	1.424	2.338	12.5	19.6
4 1	14 0.00	− 3 8.1	1.392	2.358	8.1	19.3
4 11	13 51.08	− 2 1.0	1.385	2.378	4.3	19.2
4 21	13 41.63	− 1 1.6	1.405	2.398	4.7	19.2
5 1	13 32.85	− 0 16.9	1.451	2.418	8.6	19.5
5 11	13 25.79	+ 0 8.9	1.520	2.438	12.6	19.8
5 21	13 21.05	+ 0 14.5	1.611	2.457	16.1	20.1

391670 2007 YH_{53} 4 17.9 113°.69 2°.9/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 8.49	−22 39.3	2.622	3.381	12.4	21.9
3 22	14 3.83	−22 38.3	2.541	3.396	10.0	21.7
4 1	13 57.48	−22 23.4	2.481	3.411	7.3	21.6
4 11	13 50.00	−21 55.2	2.449	3.425	4.5	21.4
4 21	13 42.07	−21 15.9	2.444	3.438	2.9	21.3
5 1	13 34.44	−20 29.1	2.469	3.452	4.4	21.4
5 11	13 27.80	−19 39.5	2.522	3.465	7.0	21.6
5 21	13 22.66	−18 51.7	2.601	3.478	9.6	21.8

387683 2002 TH_{178} 4 17.9 267°.76 17°.1/25.2 18

3 12	14 22.80	−38 27.4	1.244	1.962	25.4	20.5
3 22	14 18.78	−41 14.1	1.163	1.954	23.2	20.3
4 1	14 9.73	−43 37.6	1.096	1.946	20.7	20.1
4 11	13 56.02	−45 23.7	1.047	1.937	18.6	19.9
4 21	13 39.17	−46 19.5	1.016	1.929	17.2	19.8
5 1	13 21.89	−46 19.1	1.004	1.920	17.4	19.7
5 11	13 7.22	−45 29.4	1.011	1.912	18.9	19.8
5 21	12 57.26	−44 6.3	1.036	1.904	21.4	19.9

169500 2002 CD_{217} 4 17.9 70°.10 2°.0/19.2 16

3 12	14 13.35	−15 52.4	1.457	2.272	18.0	20.5
3 22	14 8.87	−16 8.6	1.383	2.277	14.2	20.3
4 1	14 1.43	−16 9.5	1.328	2.283	9.7	20.0
4 11	13 51.82	−15 55.9	1.296	2.288	4.8	19.8
4 21	13 41.26	−15 30.8	1.291	2.293	2.2	19.6
5 1	13 31.15	−14 59.7	1.311	2.299	6.5	19.9
5 11	13 22.79	−14 29.5	1.356	2.304	11.3	20.2
5 21	13 17.04	−14 6.3	1.422	2.310	15.4	20.4

66725 1999 TH_{109} 4 17.9 321°.92 8°.5/24.4 18

3 12	14 9.46	−31 30.3	1.726	2.469	18.4	18.9
3 22	14 6.08	−32 28.0	1.631	2.458	15.9	18.7
4 1	13 59.80	−33 3.4	1.553	2.448	13.1	18.5
4 11	13 51.25	−33 11.9	1.497	2.437	10.4	18.3
4 21	13 41.46	−32 51.8	1.463	2.427	8.6	18.1
5 1	13 31.82	−32 5.1	1.454	2.418	9.0	18.1
5 11	13 23.68	−30 59.1	1.469	2.409	11.3	18.2
5 21	13 18.05	−29 43.3	1.506	2.400	14.3	18.4

198137 2004 TT_{36} 4 17.9 172°.15 0°.2/18.2 17

3 12	14 9.59	−13 19.9	2.108	2.913	13.5	21.2
3 22	14 5.06	−13 2.1	2.022	2.915	10.5	21.0
4 1	13 58.49	−12 33.1	1.959	2.916	6.9	20.8
4 11	13 50.48	−11 55.4	1.923	2.917	3.0	20.5
4 21	13 41.86	−11 12.8	1.915	2.918	1.2	20.4
5 1	13 33.53	−10 30.2	1.935	2.919	5.2	20.7
5 11	13 26.34	− 9 52.4	1.982	2.919	9.0	20.9
5 21	13 20.92	− 9 23.7	2.054	2.919	12.3	21.1

434400 2005 GF_{18} 4 17.9 73°.98 0°.3/18.3 15

3 12	14 9.54	−13 35.1	1.968	2.776	14.2	22.1
3 22	14 4.98	−13 18.0	1.901	2.795	10.9	21.9
4 1	13 58.37	−12 49.4	1.857	2.814	7.2	21.7
4 11	13 50.40	−12 12.2	1.838	2.833	3.1	21.5
4 21	13 41.94	−11 30.4	1.848	2.852	1.2	21.4
5 1	13 33.93	−10 49.1	1.886	2.871	5.3	21.7
5 11	13 27.21	−10 13.3	1.950	2.889	9.0	22.0
5 21	13 22.34	− 9 46.7	2.039	2.908	12.2	22.2

41756 2000 VE_{33} 4 17.9 151°.86 2°.1/16.0 18

3 12	14 10.23	− 6 15.6	2.155	2.974	12.7	19.8
3 22	14 5.39	− 5 44.2	2.077	2.980	9.7	19.6
4 1	13 58.62	− 5 6.8	2.023	2.985	6.3	19.4
4 11	13 50.52	− 4 27.3	1.996	2.990	2.9	19.2
4 21	13 41.88	− 3 50.3	1.998	2.995	2.9	19.2
5 1	13 33.58	− 3 20.1	2.028	2.999	6.2	19.4
5 11	13 26.41	− 3 0.5	2.085	3.003	9.6	19.6
5 21	13 20.93	− 2 53.6	2.166	3.007	12.7	19.8

265689 2005 UX_{115} 4 17.9 92°.55 4°.0/21.3 18

3 12	14 12.37	−22 46.8	1.871	2.645	16.1	21.1
3 22	14 7.49	−23 3.1	1.797	2.661	13.1	21.0
4 1	14 0.19	−23 1.4	1.744	2.676	9.6	20.8
4 11	13 51.22	−22 41.4	1.715	2.691	6.0	20.6
4 21	13 41.58	−22 5.4	1.713	2.707	4.0	20.5
5 1	13 32.39	−21 18.1	1.738	2.721	5.8	20.6
5 11	13 24.66	−20 26.3	1.790	2.736	9.1	20.9
5 21	13 19.08	−19 36.5	1.865	2.750	12.4	21.1

408747 2014 OP_{179} 4 17.9 140°.95 3°.2/15.3 18

3 12	14 13.37	− 4 17.0	1.893	2.716	14.1	21.8
3 22	14 7.96	− 3 31.3	1.824	2.728	10.7	21.6
4 1	14 0.34	− 2 40.1	1.778	2.740	7.0	21.4
4 11	13 51.24	− 1 48.8	1.759	2.751	3.8	21.2
4 21	13 41.58	− 1 3.2	1.769	2.761	4.1	21.2
5 1	13 32.40	− 0 28.6	1.807	2.771	7.5	21.4
5 11	13 24.58	− 0 8.7	1.870	2.780	11.1	21.7
5 21	13 18.75	− 0 4.9	1.956	2.788	14.2	21.9

466864 2015 BG_{390} 4 17.9 294°.23 7°.6/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 6.15	+ 5 30.5	1.776	2.623	13.9	21.0
3 22	14 2.79	+ 7 6.6	1.700	2.610	11.1	20.8
4 1	13 57.20	+ 8 43.1	1.647	2.597	8.6	20.6
4 11	13 50.01	+10 10.8	1.620	2.584	7.6	20.6
4 21	13 42.08	+11 21.0	1.618	2.572	8.9	20.6
5 1	13 34.43	+12 6.9	1.641	2.559	11.7	20.7
5 11	13 28.01	+12 25.1	1.687	2.546	14.7	20.9
5 21	13 23.49	+12 16.1	1.751	2.534	17.5	21.1

214310 2005 JE_{30} 4 17.9 316°.47 0°.6/18.4 17

3 12	14 7.50	−13 54.3	1.355	2.190	18.0	20.3
3 22	14 4.78	−13 47.6	1.265	2.173	14.2	20.0
4 1	13 59.04	−13 24.5	1.194	2.157	9.5	19.7
4 11	13 50.96	−12 47.0	1.146	2.142	4.2	19.3
4 21	13 41.63	−11 59.9	1.123	2.127	1.6	19.1
5 1	13 32.50	−11 10.4	1.124	2.112	7.3	19.4
5 11	13 24.96	−10 27.0	1.148	2.098	12.6	19.7
5 21	13 20.03	− 9 56.5	1.192	2.085	17.4	19.9

290632 2005 UA_{246} 4 17.9 207°.86 1°.6/20.0 18

3 12	14 6.12	−19 10.9	2.945	3.718	10.8	21.5
3 22	14 1.93	−18 54.8	2.844	3.713	8.6	21.3
4 1	13 56.24	−18 27.3	2.767	3.708	6.0	21.1
4 11	13 49.51	−17 49.5	2.717	3.702	3.3	20.9
4 21	13 42.32	−17 3.8	2.696	3.697	1.7	20.8
5 1	13 35.30	−16 13.7	2.705	3.690	3.8	21.0
5 11	13 29.06	−15 23.2	2.743	3.684	6.6	21.1
5 21	13 24.08	−14 36.4	2.806	3.677	9.2	21.3

72522 2001 DZ_{89} 4 17.9 322°.26 1°.0/18.9 18

3 12	14 6.04	−17 12.4	1.904	2.710	14.7	19.3
3 22	14 2.62	−16 36.3	1.816	2.707	11.5	19.1
4 1	13 57.03	−15 43.2	1.751	2.705	7.8	18.8
4 11	13 49.92	−14 36.1	1.710	2.703	3.7	18.6
4 21	13 42.14	−13 19.8	1.697	2.701	1.4	18.4
5 1	13 34.67	−12 1.3	1.712	2.699	5.4	18.7
5 11	13 28.41	−10 48.0	1.753	2.697	9.5	18.9
5 21	13 24.01	− 9 45.9	1.817	2.695	13.1	19.1

434908 2006 TK_{51} 4 17.9 111°.38 2°.5/21.5 18

3 12	14 6.61	−24 43.5	2.720	3.470	12.2	21.3
3 22	14 2.30	−23 56.1	2.635	3.485	9.8	21.2
4 1	13 56.43	−22 52.0	2.573	3.500	7.1	21.0
4 11	13 49.56	−21 32.9	2.538	3.515	4.3	20.8
4 21	13 42.34	−20 2.7	2.533	3.530	2.5	20.7
5 1	13 35.47	−18 26.7	2.559	3.544	4.0	20.9
5 11	13 29.58	−16 51.1	2.614	3.558	6.8	21.0
5 21	13 25.09	−15 21.5	2.696	3.571	9.4	21.2

277653 2006 BQ_{135} 4 17.9 126°.22 6°.5/11.2 18

3 12	14 7.26	+ 4 16.6	1.986	2.825	12.9	20.1
3 22	14 3.23	+ 5 45.7	1.923	2.830	10.1	19.9
4 1	13 57.25	+ 7 14.4	1.885	2.836	7.6	19.8
4 11	13 49.96	+ 8 34.8	1.873	2.841	6.5	19.7
4 21	13 42.16	+ 9 39.8	1.888	2.846	7.5	19.8
5 1	13 34.74	+10 24.1	1.930	2.851	10.0	19.9
5 11	13 28.50	+10 45.0	1.994	2.856	12.7	20.1
5 21	13 23.98	+10 43.2	2.080	2.860	15.2	20.3

214730 2006 TN_{24} 4 17.9 248°.82 1°.1/18.9 17

3 12	14 9.58	−14 40.2	2.329	3.125	12.7	20.7
3 22	14 4.96	−14 47.2	2.235	3.121	9.9	20.5
4 1	13 58.41	−14 44.5	2.165	3.117	6.7	20.3
4 11	13 50.48	−14 33.2	2.121	3.113	3.2	20.0
4 21	13 41.91	−14 15.6	2.106	3.109	1.3	19.9
5 1	13 33.53	−13 54.9	2.119	3.105	4.7	20.1
5 11	13 26.17	−13 35.1	2.160	3.101	8.2	20.3
5 21	13 20.42	−13 19.7	2.226	3.097	11.3	20.5

172367 2002 XL_{72} 4 17.9 130°.13 1°.0/17.0 18

3 12	14 8.34	− 9 22.9	2.367	3.179	12.0	20.3
3 22	14 3.81	− 9 0.5	2.287	3.186	9.2	20.1
4 1	13 57.53	− 8 30.9	2.232	3.192	5.9	19.9
4 11	13 50.07	− 7 56.9	2.203	3.199	2.4	19.7
4 21	13 42.12	− 7 22.2	2.203	3.205	1.8	19.7
5 1	13 34.47	− 6 50.9	2.233	3.211	5.2	19.9
5 11	13 27.82	− 6 26.6	2.289	3.217	8.4	20.1
5 21	13 22.70	− 6 12.0	2.370	3.222	11.3	20.3

179546 2002 CG_{295} 4 17.9 140°.00 0°.3/17.6 18

3 12	14 6.41	−11 44.9	2.701	3.504	10.9	21.4
3 22	14 2.14	−11 18.0	2.618	3.511	8.4	21.2
4 1	13 56.36	−10 43.1	2.559	3.517	5.4	21.0
4 11	13 49.56	−10 2.6	2.528	3.524	2.2	20.8
4 21	13 42.34	− 9 19.9	2.527	3.530	1.2	20.7
5 1	13 35.38	− 8 38.8	2.555	3.536	4.4	21.0
5 11	13 29.28	− 8 3.0	2.611	3.542	7.4	21.2
5 21	13 24.50	− 7 35.4	2.693	3.547	10.1	21.4

506563 2005 TY_{146} 4 17.9 216°.11 2°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 4.69	− 7 51.1	2.669	3.486	10.6	21.6
3 22	14 0.88	− 6 14.5	2.578	3.481	8.0	21.4
4 1	13 55.56	− 4 28.3	2.514	3.476	5.2	21.2
4 11	13 49.24	− 2 38.0	2.479	3.472	2.7	21.1
4 21	13 42.48	− 0 49.8	2.476	3.467	3.3	21.1
5 1	13 35.93	+ 0 50.0	2.503	3.461	6.1	21.3
5 11	13 30.22	+ 2 15.9	2.559	3.456	9.0	21.4
5 21	13 25.78	+ 3 25.0	2.639	3.450	11.5	21.6

499912 2011 GP_{69} 4 17.9 354°.96 0°.4/17.7 17

3 12	14 4.43	−12 14.9	1.411	2.253	17.0	20.7
3 22	14 2.05	−11 51.4	1.334	2.248	13.2	20.5
4 1	13 56.99	−11 12.9	1.278	2.244	8.6	20.2
4 11	13 50.00	−10 23.2	1.244	2.241	3.6	19.9
4 21	13 42.13	− 9 28.6	1.236	2.239	1.8	19.7
5 1	13 34.62	− 8 36.6	1.252	2.238	7.0	20.1
5 11	13 28.64	− 7 54.9	1.292	2.239	11.9	20.3
5 21	13 24.97	− 7 28.3	1.352	2.240	16.1	20.6

274573 2008 SR_{302} 4 17.9 199°.13 0°.4/17.7 17

3 12	14 7.46	−13 5.9	2.003	2.816	13.8	21.0
3 22	14 3.55	−12 26.3	1.917	2.815	10.7	20.8
4 1	13 57.57	−11 33.7	1.854	2.814	7.0	20.6
4 11	13 50.14	−10 31.7	1.817	2.813	2.9	20.3
4 21	13 42.09	− 9 25.5	1.808	2.811	1.5	20.2
5 1	13 34.33	− 8 21.1	1.827	2.810	5.7	20.5
5 11	13 27.73	− 7 24.8	1.873	2.808	9.6	20.7
5 21	13 22.91	− 6 40.9	1.942	2.806	13.0	20.9

338894 2004 CP_{27} 4 17.9 141°.71 0°.1/17.9 17

3 12	14 8.45	−12 21.0	2.330	3.135	12.4	22.0
3 22	14 3.96	−12 1.6	2.247	3.140	9.5	21.8
4 1	13 57.67	−11 32.7	2.188	3.146	6.2	21.6
4 11	13 50.14	−10 57.0	2.156	3.151	2.6	21.3
4 21	13 42.10	−10 17.9	2.152	3.156	1.2	21.2
5 1	13 34.34	− 9 39.6	2.178	3.160	4.9	21.5
5 11	13 27.62	− 9 6.5	2.231	3.165	8.3	21.7
5 21	13 22.46	− 8 41.9	2.308	3.169	11.3	21.9

336948 2011 HB_{80} 4 17.9 314°.31 2°.9/15.5 17

3 12	14 6.90	− 5 53.0	1.825	2.660	14.0	20.8
3 22	14 3.30	− 5 7.0	1.742	2.654	10.7	20.6
4 1	13 57.51	− 4 13.1	1.683	2.648	7.0	20.4
4 11	13 50.15	− 3 16.4	1.649	2.642	3.5	20.1
4 21	13 42.10	− 2 23.2	1.641	2.637	3.8	20.1
5 1	13 34.33	− 1 39.6	1.661	2.631	7.5	20.3
5 11	13 27.78	− 1 10.5	1.706	2.626	11.3	20.6
5 21	13 23.11	− 0 58.4	1.772	2.621	14.7	20.8

264021 2009 QB_{2} 4 17.9 193°.27 0°.9/19.1 16

3 12	14 4.81	−16 16.1	2.957	3.744	10.5	21.3
3 22	14 0.89	−15 57.1	2.863	3.743	8.2	21.1
4 1	13 55.55	−15 28.3	2.793	3.742	5.5	20.9
4 11	13 49.24	−14 51.3	2.750	3.741	2.6	20.7
4 21	13 42.50	−14 8.8	2.737	3.740	1.1	20.6
5 1	13 35.96	−13 24.2	2.753	3.738	3.8	20.8
5 11	13 30.17	−12 41.3	2.797	3.737	6.6	21.0
5 21	13 25.59	−12 3.6	2.868	3.735	9.2	21.2

36029 1999 NF_{57} 4 17.9 326°.58 4°.5/21.8 18

3 12	14 3.03	−24 44.9	1.512	2.310	18.3	18.0
3 22	14 1.17	−24 33.8	1.414	2.291	15.1	17.7
4 1	13 56.59	−23 55.9	1.335	2.274	11.3	17.4
4 11	13 49.92	−22 50.5	1.277	2.256	7.2	17.1
4 21	13 42.17	−21 20.8	1.244	2.240	4.5	16.9
5 1	13 34.63	−19 34.4	1.235	2.225	6.6	17.0
5 11	13 28.57	−17 42.9	1.252	2.210	11.0	17.2
5 21	13 24.87	−15 57.8	1.290	2.196	15.4	17.4

354777 2005 US_{142} 4 17.9 171°.40 0°.7/18.5 18

3 12	14 12.69	−15 38.6	1.670	2.477	16.4	22.0
3 22	14 8.00	−15 10.1	1.588	2.481	12.8	21.7
4 1	14 0.69	−14 24.8	1.528	2.484	8.6	21.5
4 11	13 51.51	−13 25.4	1.492	2.486	3.8	21.2
4 21	13 41.53	−12 17.4	1.483	2.487	1.4	21.0
5 1	13 31.95	−11 8.1	1.503	2.488	6.2	21.3
5 11	13 23.90	−10 5.3	1.548	2.488	10.8	21.6
5 21	13 18.13	− 9 15.1	1.616	2.488	14.7	21.8

480362 2015 KR_{24} 4 17.9 243°.15 5°.3/12.8 17

3 12	14 10.21	+ 6 15.2	2.509	3.330	11.1	21.5
3 22	14 5.18	+ 6 49.1	2.426	3.322	8.8	21.3
4 1	13 58.41	+ 7 20.0	2.369	3.314	6.6	21.2
4 11	13 50.46	+ 7 43.2	2.338	3.306	5.3	21.1
4 21	13 41.99	+ 7 54.6	2.336	3.298	6.0	21.1
5 1	13 33.77	+ 7 51.4	2.361	3.289	8.1	21.2
5 11	13 26.49	+ 7 32.1	2.413	3.281	10.5	21.4
5 21	13 20.70	+ 6 57.4	2.487	3.272	12.9	21.5

462582 2009 FX_{15} 4 17.9 110°.18 1°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.32	−16 2.3	1.711	2.509	16.4	22.0
3 22	14 10.57	−16 10.4	1.642	2.527	12.9	21.8
4 1	14 2.23	−16 4.3	1.594	2.545	8.8	21.6
4 11	13 52.11	−15 45.4	1.572	2.563	4.3	21.4
4 21	13 41.31	−15 16.6	1.577	2.580	1.9	21.3
5 1	13 31.06	−14 43.2	1.610	2.596	5.8	21.6
5 11	13 22.45	−14 11.2	1.669	2.612	10.0	21.8
5 21	13 16.16	−13 45.8	1.752	2.627	13.6	22.1

483585 2004 FK_{106} 4 17.9 342°.33 4°.4/18.8 18

3 12	14 29.31	−11 32.9	1.019	1.845	23.3	20.3
3 22	14 23.13	−13 38.6	0.943	1.842	18.7	20.0
4 1	14 12.04	−15 44.3	0.884	1.840	13.2	19.6
4 11	13 56.79	−17 43.5	0.848	1.837	7.2	19.3
4 21	13 39.14	−19 28.1	0.836	1.836	4.7	19.1
5 1	13 21.68	−20 52.9	0.850	1.835	9.8	19.4
5 11	13 6.99	−21 59.6	0.887	1.834	15.8	19.7
5 21	12 56.67	−22 54.5	0.943	1.833	21.1	20.0

106830 2000 YC_{4} 4 17.9 113°.51 0°.1/17.9 18

3 12	14 12.43	−13 13.6	1.710	2.523	15.8	20.2
3 22	14 7.55	−12 46.2	1.641	2.538	12.2	20.0
4 1	14 0.23	−12 5.4	1.594	2.553	8.0	19.8
4 11	13 51.26	−11 14.7	1.571	2.567	3.3	19.6
4 21	13 41.68	−10 19.4	1.577	2.580	1.5	19.4
5 1	13 32.61	− 9 25.9	1.610	2.594	6.1	19.8
5 11	13 25.06	− 8 40.5	1.669	2.606	10.3	20.1
5 21	13 19.68	− 8 7.8	1.751	2.619	14.0	20.3

151706 2003 BT_{33} 4 17.9 307°.27 9°.6/24.9 18

3 12	14 10.41	−33 8.2	1.663	2.399	19.2	19.6
3 22	14 7.11	−34 13.6	1.565	2.384	16.9	19.4
4 1	14 0.68	−34 55.7	1.483	2.369	14.1	19.1
4 11	13 51.74	−35 8.8	1.422	2.355	11.5	18.9
4 21	13 41.38	−34 49.9	1.383	2.341	9.7	18.8
5 1	13 31.08	−34 0.5	1.368	2.327	10.0	18.8
5 11	13 22.37	−32 47.8	1.377	2.313	12.1	18.8
5 21	13 16.35	−31 22.5	1.407	2.300	15.2	19.0

171245 2005 LF_{9} 4 17.9 25°.24 1°.1/19.1 17

3 12	14 5.81	−17 15.4	2.124	2.924	13.6	20.4
3 22	14 2.20	−16 42.9	2.037	2.924	10.7	20.2
4 1	13 56.66	−15 55.4	1.972	2.925	7.2	20.0
4 11	13 49.77	−14 55.5	1.934	2.926	3.4	19.8
4 21	13 42.31	−13 47.5	1.923	2.927	1.3	19.6
5 1	13 35.14	−12 37.2	1.941	2.927	4.9	19.9
5 11	13 29.06	−11 31.0	1.985	2.928	8.6	20.1
5 21	13 24.65	−10 34.0	2.054	2.929	11.9	20.3

57622 2001 TY_{151} 4 17.9 37°.09 4°.4/15.9 18

3 12	14 20.06	+ 1 41.3	1.633	2.457	15.9	19.1
3 22	14 13.57	+ 1 28.3	1.558	2.460	12.4	18.9
4 1	14 4.28	+ 1 12.1	1.506	2.464	8.5	18.6
4 11	13 53.01	+ 0 48.5	1.480	2.468	5.0	18.4
4 21	13 40.93	+ 0 14.4	1.481	2.472	5.1	18.4
5 1	13 29.35	− 0 32.0	1.511	2.476	8.6	18.7
5 11	13 19.47	− 1 30.8	1.566	2.480	12.5	18.9
5 21	13 12.07	− 2 40.7	1.645	2.485	16.0	19.1

205072 1999 RE_{129} 4 17.9 239°.27 0°.9/17.2 17

3 12	14 10.76	−11 22.1	1.870	2.685	14.6	20.6
3 22	14 6.38	−10 46.1	1.772	2.672	11.3	20.4
4 1	13 59.63	− 9 57.2	1.697	2.658	7.4	20.1
4 11	13 51.11	− 8 59.2	1.647	2.643	3.0	19.8
4 21	13 41.71	− 7 57.2	1.626	2.628	2.0	19.7
5 1	13 32.51	− 6 57.7	1.633	2.613	6.5	19.9
5 11	13 24.53	− 6 7.3	1.665	2.597	10.8	20.2
5 21	13 18.54	− 5 30.8	1.721	2.580	14.6	20.4

240314 2003 GP_{38} 4 18.0 259°.72 4°.6/14.4 16

3 12	14 11.24	− 2 48.5	1.616	2.454	15.4	21.2
3 22	14 7.09	− 1 49.4	1.525	2.437	11.9	21.0
4 1	14 0.28	− 0 42.6	1.456	2.419	8.1	20.7
4 11	13 51.44	+ 0 25.1	1.411	2.401	5.0	20.5
4 21	13 41.57	+ 1 25.5	1.394	2.382	5.7	20.5
5 1	13 31.89	+ 2 11.0	1.402	2.363	9.6	20.6
5 11	13 23.59	+ 2 36.0	1.435	2.343	13.8	20.8
5 21	13 17.54	+ 2 38.3	1.487	2.323	17.7	21.0

513030 2017 VZ_{3} 4 18.0 303°.52 4°.7/22.4 17

3 12	14 8.13	−25 45.9	2.122	2.881	14.9	20.6
3 22	14 4.26	−26 3.6	2.025	2.875	12.4	20.4
4 1	13 58.18	−26 3.4	1.950	2.869	9.5	20.2
4 11	13 50.48	−25 44.3	1.898	2.864	6.5	20.0
4 21	13 42.00	−25 7.5	1.872	2.859	4.8	19.9
5 1	13 33.73	−24 16.6	1.874	2.853	5.9	19.9
5 11	13 26.63	−23 17.8	1.902	2.848	8.7	20.1
5 21	13 21.39	−22 17.8	1.954	2.843	11.8	20.2