59809 1999 RW_{16} 4 22.9 191°.44 0°.1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 22.72	−14 8.1	2.916	3.764	9.1	20.2
4 1	14 17.73	−13 34.4	2.834	3.762	6.5	20.0
4 11	14 11.53	−12 53.6	2.780	3.760	3.6	19.8
4 21	14 4.62	−12 8.4	2.754	3.758	0.6	19.6
5 1	13 57.61	−11 22.0	2.758	3.756	2.5	19.8
5 11	13 51.10	−10 38.0	2.792	3.753	5.5	19.9
5 21	13 45.58	− 9 59.8	2.853	3.749	8.2	20.1
5 31	13 41.46	− 9 29.7	2.937	3.745	10.6	20.3

21543 Jessop 4 22.9 292°.67 3°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.49	−26 25.2	2.395	3.204	12.1	18.9
4 1	14 19.40	−26 31.4	2.307	3.199	9.5	18.7
4 11	14 12.63	−26 22.4	2.243	3.194	6.8	18.5
4 21	14 4.82	−25 58.3	2.205	3.189	4.5	18.3
5 1	13 56.78	−25 21.3	2.195	3.184	4.2	18.3
5 11	13 49.36	−24 35.3	2.213	3.179	6.4	18.4
5 21	13 43.27	−23 45.5	2.257	3.175	9.2	18.6
5 31	13 39.04	−22 57.3	2.325	3.170	11.8	18.8

312098 2007 TM_{130} 4 22.9 154°.94 1°.6/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.05	−19 38.5	1.691	2.539	14.5	20.8
4 1	14 22.28	−19 4.7	1.621	2.544	10.8	20.6
4 11	14 14.34	−18 14.0	1.573	2.549	6.5	20.3
4 21	14 5.11	−17 9.6	1.551	2.553	2.3	20.0
5 1	13 55.72	−15 57.2	1.557	2.556	3.6	20.1
5 11	13 47.33	−14 44.7	1.589	2.560	8.0	20.4
5 21	13 40.82	−13 39.2	1.647	2.563	12.1	20.7
5 31	13 36.74	−12 46.5	1.726	2.565	15.6	20.9

321864 2010 RN_{155} 4 22.9 237°.45 2°.2/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.26	− 8 47.9	1.872	2.739	12.5	21.5
4 1	14 22.36	− 8 4.9	1.787	2.725	9.0	21.2
4 11	14 14.41	− 7 15.1	1.727	2.711	5.1	21.0
4 21	14 5.14	− 6 23.1	1.694	2.696	2.2	20.8
5 1	13 55.54	− 5 34.7	1.690	2.680	5.0	20.9
5 11	13 46.66	− 4 55.5	1.713	2.664	9.1	21.1
5 21	13 39.39	− 4 29.7	1.760	2.648	12.9	21.3
5 31	13 34.33	− 4 19.8	1.828	2.630	16.2	21.5

203283 2001 RL_{145} 4 22.9 329°.34 6°.4/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.23	−30 42.4	1.926	2.724	15.0	19.6
4 1	14 21.13	−31 10.4	1.840	2.718	12.3	19.4
4 11	14 13.81	−31 17.8	1.777	2.712	9.4	19.2
4 21	14 5.04	−31 3.1	1.737	2.706	7.1	19.1
5 1	13 55.90	−30 27.2	1.723	2.700	6.5	19.0
5 11	13 47.57	−29 35.0	1.734	2.695	8.3	19.1
5 21	13 40.98	−28 33.5	1.771	2.690	11.1	19.3
5 31	13 36.81	−27 30.5	1.829	2.686	14.1	19.5

310478 2000 SY_{242} 4 22.9 240°.29 6°.0/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.59	−26 32.0	1.675	2.490	16.1	20.8
4 1	14 26.83	−27 20.6	1.586	2.480	13.0	20.5
4 11	14 17.23	−27 51.0	1.520	2.469	9.5	20.3
4 21	14 5.65	−28 0.1	1.478	2.458	6.6	20.1
5 1	13 53.41	−27 47.8	1.462	2.447	6.4	20.1
5 11	13 42.02	−27 18.2	1.473	2.436	9.2	20.2
5 21	13 32.74	−26 38.7	1.508	2.424	13.0	20.4
5 31	13 26.44	−25 57.6	1.564	2.411	16.5	20.6

379925 2012 KO_{34} 4 22.9 254°.02 1°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.04	−11 36.1	2.063	2.925	11.7	21.1
4 1	14 20.66	−10 49.8	1.970	2.906	8.4	20.9
4 11	14 13.42	− 9 54.4	1.903	2.887	4.7	20.6
4 21	14 4.98	− 8 53.9	1.863	2.867	1.3	20.3
5 1	13 56.22	− 7 53.7	1.852	2.847	4.1	20.5
5 11	13 48.07	− 6 59.5	1.869	2.826	8.1	20.7
5 21	13 41.33	− 6 16.3	1.912	2.804	11.8	20.9
5 31	13 36.59	− 5 47.4	1.975	2.783	15.0	21.0

430650 2003 SR_{205} 4 22.9 263°.06 2°.5/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.44	−20 10.9	2.116	2.949	12.5	21.4
4 1	14 22.50	−20 22.0	2.018	2.932	9.5	21.2
4 11	14 14.52	−20 21.1	1.944	2.914	6.1	20.9
4 21	14 5.18	−20 8.3	1.898	2.895	3.0	20.7
5 1	13 55.39	−19 45.6	1.879	2.877	3.6	20.7
5 11	13 46.21	−19 17.1	1.889	2.858	7.1	20.9
5 21	13 38.49	−18 47.7	1.925	2.838	10.7	21.1
5 31	13 32.91	−18 22.2	1.983	2.819	14.0	21.2

24484 Chester 4 22.9 73°.03 1°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.53	−11 30.0	1.437	2.313	15.0	19.8
4 1	14 22.04	−10 49.0	1.380	2.322	10.7	19.6
4 11	14 14.24	− 9 58.3	1.346	2.331	5.9	19.3
4 21	14 5.11	− 9 3.4	1.337	2.340	1.6	19.1
5 1	13 55.88	− 8 11.3	1.354	2.350	4.9	19.3
5 11	13 47.80	− 7 28.9	1.396	2.359	9.6	19.6
5 21	13 41.76	− 7 0.9	1.461	2.368	13.9	19.9
5 31	13 38.33	− 6 50.0	1.546	2.377	17.4	20.1

346037 2007 TS_{419} 4 22.9 279°.66 3°.1/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.13	− 4 15.3	2.142	3.005	11.2	20.7
4 1	14 22.92	− 3 53.0	2.039	2.974	8.2	20.5
4 11	14 14.75	− 3 29.2	1.962	2.942	5.0	20.2
4 21	14 5.23	− 3 8.0	1.913	2.910	3.1	20.0
5 1	13 55.22	− 2 53.2	1.893	2.877	5.3	20.1
5 11	13 45.71	− 2 48.8	1.901	2.844	9.0	20.3
5 21	13 37.53	− 2 57.1	1.934	2.810	12.5	20.4
5 31	13 31.37	− 3 19.3	1.989	2.775	15.7	20.6

282711 2006 BX_{193} 4 22.9 294°.51 0°.4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 17.16	−11 46.2	4.250	5.103	6.3	21.1
4 1	14 13.50	−11 20.3	4.167	5.098	4.5	20.9
4 11	14 9.08	−10 50.9	4.112	5.094	2.5	20.8
4 21	14 4.24	−10 19.7	4.086	5.090	0.5	20.6
5 1	13 59.32	− 9 48.6	4.090	5.086	1.9	20.7
5 11	13 54.70	− 9 19.9	4.124	5.082	4.0	20.9
5 21	13 50.70	− 8 55.3	4.186	5.078	5.9	21.0
5 31	13 47.57	− 8 36.3	4.272	5.074	7.6	21.1

1544 Vinterhansenia 4 22.9 150°.48 1°.0/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.34	−11 43.2	1.716	2.580	13.5	15.9
4 1	14 23.11	−11 15.5	1.649	2.586	9.7	15.7
4 11	14 14.78	−10 39.5	1.607	2.591	5.4	15.4
4 21	14 5.21	− 9 59.0	1.592	2.596	1.2	15.1
5 1	13 55.50	− 9 19.3	1.604	2.601	4.2	15.4
5 11	13 46.75	− 8 45.9	1.644	2.605	8.6	15.6
5 21	13 39.82	− 8 23.0	1.707	2.609	12.5	15.9
5 31	13 35.27	− 8 13.6	1.792	2.612	15.8	16.1

338569 2003 ST_{85} 4 22.9 240°.56 0°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.13	−15 3.4	2.399	3.248	10.7	21.5
4 1	14 19.78	−14 23.2	2.304	3.232	7.8	21.3
4 11	14 12.84	−13 32.9	2.235	3.216	4.4	21.1
4 21	14 4.89	−12 35.5	2.194	3.199	0.7	20.8
5 1	13 56.70	−11 35.1	2.183	3.181	3.0	20.9
5 11	13 49.06	−10 37.0	2.201	3.163	6.7	21.1
5 21	13 42.64	− 9 45.7	2.246	3.145	10.0	21.3
5 31	13 37.97	− 9 5.1	2.313	3.126	13.0	21.5

253470 2003 SD_{39} 4 22.9 172°.34 0°.4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.60	−13 48.3	1.991	2.845	12.4	21.2
4 1	14 22.38	−13 9.6	1.918	2.849	8.9	21.0
4 11	14 14.31	−12 21.0	1.870	2.852	5.0	20.8
4 21	14 5.14	−11 26.2	1.850	2.855	0.8	20.4
5 1	13 55.83	−10 30.3	1.859	2.856	3.6	20.7
5 11	13 47.35	− 9 39.1	1.896	2.857	7.7	20.9
5 21	13 40.47	− 8 57.2	1.959	2.858	11.3	21.1
5 31	13 35.69	− 8 28.2	2.044	2.857	14.4	21.3

272671 2005 XQ 4 22.9 106°.48 3°.5/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.63	−26 5.8	2.305	3.109	12.6	21.2
4 1	14 22.83	−25 51.5	2.246	3.137	9.8	21.1
4 11	14 14.41	−25 20.7	2.211	3.165	6.7	20.9
4 21	14 5.14	−24 34.9	2.204	3.191	4.0	20.8
5 1	13 55.91	−23 37.6	2.226	3.217	3.8	20.8
5 11	13 47.62	−22 34.2	2.276	3.242	6.2	21.0
5 21	13 40.89	−21 30.7	2.354	3.266	9.1	21.2
5 31	13 36.16	−20 32.2	2.456	3.290	11.6	21.4

430786 2004 TT_{244} 4 23.0 182°.66 0°.5/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.03	−16 14.1	2.073	2.924	12.1	22.0
4 1	14 20.53	−15 44.9	1.997	2.925	8.8	21.8
4 11	14 13.28	−15 4.6	1.945	2.925	5.1	21.6
4 21	14 4.97	−14 16.0	1.921	2.925	1.1	21.3
5 1	13 56.50	−13 23.7	1.925	2.924	3.1	21.5
5 11	13 48.77	−12 33.0	1.957	2.923	7.0	21.7
5 21	13 42.52	−11 48.9	2.015	2.922	10.6	21.9
5 31	13 38.26	−11 15.2	2.095	2.920	13.7	22.1

520265 2014 EB_{118} 4 23.0 259°.21 1°.5/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.93	−10 14.5	2.312	3.177	10.5	21.6
4 1	14 18.18	− 9 26.3	2.230	3.167	7.5	21.4
4 11	14 11.92	− 8 31.6	2.173	3.157	4.1	21.2
4 21	14 4.75	− 7 34.2	2.145	3.147	1.5	20.9
5 1	13 57.39	− 6 39.0	2.145	3.137	3.9	21.1
5 11	13 50.61	− 5 50.8	2.174	3.127	7.3	21.3
5 21	13 45.06	− 5 13.3	2.228	3.117	10.5	21.5
5 31	13 41.19	− 4 49.1	2.304	3.107	13.3	21.6

259404 2003 QG_{26} 4 23.0 206°.19 2°.3/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.65	−21 8.2	2.052	2.882	13.0	22.2
4 1	14 23.29	−20 53.5	1.964	2.876	9.9	22.0
4 11	14 14.91	−20 23.8	1.900	2.869	6.3	21.8
4 21	14 5.27	−19 40.2	1.863	2.862	2.9	21.5
5 1	13 55.33	−18 46.6	1.855	2.853	3.5	21.6
5 11	13 46.15	−17 48.4	1.876	2.844	7.1	21.8
5 21	13 38.58	−16 52.0	1.923	2.834	10.8	22.0
5 31	13 33.22	−16 3.0	1.992	2.823	14.1	22.2

271736 2004 RB_{293} 4 23.0 175°.38 4°.5/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.00	−26 43.8	2.007	2.819	14.0	20.9
4 1	14 22.18	−26 52.8	1.927	2.820	11.0	20.7
4 11	14 14.31	−26 43.7	1.869	2.820	7.9	20.5
4 21	14 5.17	−26 16.2	1.837	2.821	5.1	20.3
5 1	13 55.77	−25 32.9	1.832	2.821	4.9	20.3
5 11	13 47.20	−24 38.9	1.855	2.821	7.3	20.4
5 21	13 40.31	−23 40.9	1.903	2.821	10.5	20.6
5 31	13 35.70	−22 45.5	1.974	2.821	13.6	20.8

490303 2009 AY_{24} 4 23.0 48°.12 0°.5/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.52	−13 13.3	1.804	2.671	12.9	21.1
4 1	14 19.50	−12 40.4	1.748	2.685	9.2	20.9
4 11	14 12.68	−11 58.4	1.716	2.700	5.1	20.7
4 21	14 4.87	−11 11.4	1.710	2.715	0.9	20.4
5 1	13 57.02	−10 24.8	1.732	2.730	3.7	20.6
5 11	13 50.08	− 9 43.8	1.781	2.745	7.8	20.9
5 21	13 44.76	− 9 12.9	1.854	2.761	11.4	21.1
5 31	13 41.53	− 8 54.7	1.948	2.777	14.4	21.4

521355 2015 MU_{34} 4 23.0 307°.31 5°.1/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.69	+ 1 9.3	2.119	2.993	10.9	21.1
4 1	14 18.75	+ 2 6.6	2.055	2.991	8.1	20.9
4 11	14 12.24	+ 3 1.2	2.017	2.988	5.8	20.8
4 21	14 4.81	+ 3 47.6	2.006	2.985	5.3	20.7
5 1	13 57.26	+ 4 20.7	2.022	2.983	7.1	20.8
5 11	13 50.40	+ 4 37.2	2.064	2.980	9.8	21.0
5 21	13 44.87	+ 4 35.8	2.129	2.978	12.6	21.2
5 31	13 41.14	+ 4 16.8	2.214	2.975	15.0	21.3

400345 2007 VC_{40} 4 23.0 223°.59 1°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 19.50	− 7 57.6	4.128	4.984	6.4	22.5
4 1	14 15.18	− 7 27.2	4.040	4.974	4.6	22.3
4 11	14 10.05	− 6 54.5	3.981	4.963	2.6	22.2
4 21	14 4.44	− 6 21.5	3.951	4.952	1.2	22.0
5 1	13 58.73	− 5 50.4	3.952	4.940	2.5	22.1
5 11	13 53.33	− 5 23.5	3.982	4.928	4.6	22.3
5 21	13 48.57	− 5 2.3	4.040	4.916	6.5	22.4
5 31	13 44.75	− 4 48.2	4.123	4.903	8.3	22.5

125701 2001 XT_{94} 4 23.0 232°.57 4°.0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.75	−26 57.7	2.199	3.005	13.1	20.6
4 1	14 21.94	−26 46.9	2.102	2.992	10.4	20.4
4 11	14 14.18	−26 17.6	2.027	2.979	7.3	20.1
4 21	14 5.16	−25 30.1	1.979	2.965	4.6	19.9
5 1	13 55.82	−24 27.1	1.959	2.950	4.4	19.9
5 11	13 47.16	−23 14.1	1.967	2.934	7.0	20.0
5 21	13 40.02	−21 57.9	2.002	2.918	10.2	20.2
5 31	13 34.99	−20 45.5	2.061	2.902	13.3	20.4

9586 1990 SG_{11} 4 23.0 293°.68 0°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.72	−14 29.7	1.539	2.409	14.5	18.3
4 1	14 21.03	−13 54.9	1.449	2.387	10.6	18.0
4 11	14 13.91	−13 6.1	1.382	2.366	6.0	17.6
4 21	14 5.14	−12 7.0	1.340	2.345	1.0	17.2
5 1	13 55.86	−11 3.7	1.325	2.324	4.3	17.4
5 11	13 47.35	−10 4.3	1.335	2.303	9.5	17.7
5 21	13 40.70	− 9 15.9	1.368	2.282	14.2	17.9
5 31	13 36.65	− 8 43.6	1.420	2.261	18.2	18.1

49932 1999 XK_{178} 4 23.0 225°.28 0°.7/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.50	−15 24.3	1.437	2.301	15.7	19.1
4 1	14 24.50	−15 12.8	1.362	2.296	11.5	18.8
4 11	14 15.84	−14 48.0	1.310	2.291	6.7	18.5
4 21	14 5.46	−14 12.5	1.282	2.286	1.5	18.1
5 1	13 54.70	−13 31.5	1.281	2.281	4.2	18.3
5 11	13 44.98	−12 51.8	1.306	2.275	9.4	18.6
5 21	13 37.44	−12 20.0	1.353	2.269	14.1	18.8
5 31	13 32.77	−12 1.0	1.421	2.263	18.1	19.1

346205 2007 XF_{47} 4 23.0 117°.19 4°.3/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.74	−28 57.5	2.483	3.276	12.2	21.1
4 1	14 20.17	−28 53.7	2.409	3.287	9.7	20.9
4 11	14 13.01	−28 33.2	2.358	3.299	7.1	20.8
4 21	14 4.95	−27 56.4	2.333	3.310	4.9	20.7
5 1	13 56.79	−27 5.8	2.336	3.320	4.4	20.6
5 11	13 49.36	−26 6.1	2.367	3.331	6.2	20.8
5 21	13 43.31	−25 2.8	2.426	3.341	8.7	20.9
5 31	13 39.10	−24 1.4	2.508	3.351	11.2	21.1

52863 1998 SJ_{13} 4 23.0 283°.91 3°.8/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.91	− 6 50.0	1.326	2.211	15.4	18.5
4 1	14 22.83	− 5 58.4	1.247	2.194	11.1	18.2
4 11	14 15.01	− 4 59.6	1.191	2.176	6.6	17.9
4 21	14 5.34	− 4 0.5	1.159	2.158	3.8	17.6
5 1	13 55.15	− 3 9.6	1.152	2.140	7.1	17.8
5 11	13 45.89	− 2 34.8	1.168	2.122	12.1	18.0
5 21	13 38.76	− 2 20.8	1.206	2.105	16.8	18.2
5 31	13 34.57	− 2 29.7	1.262	2.087	20.9	18.4

189058 2000 UT_{16} 4 23.0 283°.83 8°.6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 33.07	−40 56.5	2.322	3.035	15.1	21.6
4 1	14 26.32	−41 2.4	2.185	2.991	13.3	21.3
4 11	14 16.94	−40 41.9	2.068	2.946	11.2	21.1
4 21	14 5.69	−39 50.2	1.974	2.900	9.4	20.9
5 1	13 53.68	−38 25.8	1.907	2.852	8.6	20.8
5 11	13 42.27	−36 32.3	1.866	2.803	9.5	20.7
5 21	13 32.63	−34 17.8	1.853	2.753	11.8	20.8
5 31	13 25.63	−31 53.4	1.865	2.701	14.7	20.8

93916 2000 WG_{158} 4 23.0 172°.62 4°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.31	+ 2 17.8	2.442	3.302	10.2	19.7
4 1	14 21.82	+ 2 53.5	2.378	3.306	7.6	19.5
4 11	14 13.88	+ 3 25.3	2.341	3.308	5.4	19.4
4 21	14 5.10	+ 3 49.0	2.332	3.311	4.8	19.3
5 1	13 56.25	+ 4 1.1	2.353	3.312	6.3	19.4
5 11	13 48.07	+ 3 59.2	2.401	3.313	8.8	19.6
5 21	13 41.19	+ 3 42.9	2.474	3.314	11.3	19.8
5 31	13 36.03	+ 3 12.6	2.568	3.314	13.5	19.9

147666 2004 KV_{6} 4 23.0 82°.28 1°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.75	−10 8.7	1.619	2.491	13.8	19.9
4 1	14 22.00	− 9 36.3	1.561	2.502	9.8	19.7
4 11	14 14.18	− 8 57.0	1.527	2.512	5.4	19.5
4 21	14 5.16	− 8 15.5	1.519	2.522	1.7	19.2
5 1	13 56.06	− 7 37.2	1.537	2.532	4.7	19.5
5 11	13 47.99	− 7 7.7	1.582	2.542	9.0	19.7
5 21	13 41.77	− 6 50.8	1.651	2.552	12.9	20.0
5 31	13 37.93	− 6 48.4	1.740	2.562	16.1	20.2

330883 2009 RH_{35} 4 23.0 333°.31 1°.1/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.56	−13 56.5	1.453	2.332	14.7	19.9
4 1	14 18.65	−12 50.7	1.380	2.323	10.6	19.6
4 11	14 12.48	−11 29.7	1.330	2.316	5.8	19.3
4 21	14 4.89	− 9 59.7	1.304	2.308	1.3	19.0
5 1	13 57.04	− 8 29.6	1.305	2.302	4.8	19.2
5 11	13 50.12	− 7 8.8	1.330	2.295	9.8	19.5
5 21	13 45.07	− 6 4.7	1.379	2.290	14.2	19.7
5 31	13 42.51	− 5 21.9	1.446	2.285	18.0	19.9

383969 2008 TU_{57} 4 23.0 196°.10 0°.4/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.47	−14 38.0	2.059	2.912	12.1	21.1
4 1	14 21.62	−14 29.9	1.982	2.911	8.8	20.9
4 11	14 13.94	−14 12.9	1.929	2.909	5.0	20.7
4 21	14 5.13	−13 49.2	1.904	2.908	1.0	20.4
5 1	13 56.11	−13 22.3	1.907	2.906	3.2	20.5
5 11	13 47.83	−12 56.4	1.938	2.904	7.1	20.8
5 21	13 41.04	−12 35.6	1.995	2.902	10.7	21.0
5 31	13 36.30	−12 23.3	2.074	2.900	13.8	21.2

329145 2011 WB_{67} 4 23.0 89°.05 3°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.15	− 1 50.0	2.673	3.541	9.1	20.2
4 1	14 18.07	− 1 18.6	2.610	3.546	6.6	20.0
4 11	14 11.76	− 0 48.4	2.574	3.551	4.2	19.9
4 21	14 4.75	− 0 22.5	2.566	3.556	3.3	19.8
5 1	13 57.68	− 0 4.3	2.587	3.561	4.9	19.9
5 11	13 51.18	+ 0 3.8	2.635	3.566	7.3	20.1
5 21	13 45.75	+ 0 0.5	2.709	3.571	9.8	20.3
5 31	13 41.78	− 0 14.5	2.805	3.576	11.9	20.4

299789 2006 SE_{87} 4 23.0 94°.23 2°.0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.25	− 9 52.2	2.250	3.117	10.6	21.2
4 1	14 17.61	− 8 35.9	2.186	3.125	7.5	21.0
4 11	14 11.56	− 7 13.1	2.149	3.133	4.2	20.8
4 21	14 4.72	− 5 49.1	2.140	3.141	2.1	20.7
5 1	13 57.83	− 4 30.0	2.161	3.149	4.4	20.8
5 11	13 51.63	− 3 21.3	2.209	3.156	7.6	21.1
5 21	13 46.68	− 2 26.8	2.283	3.164	10.7	21.3
5 31	13 43.40	− 1 48.7	2.379	3.171	13.2	21.5

22603 Davidoconnor 4 23.0 342°.27 3°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.38	− 7 1.2	1.665	2.544	13.1	18.4
4 1	14 20.37	− 6 17.5	1.598	2.541	9.4	18.2
4 11	14 13.32	− 5 29.2	1.555	2.539	5.4	17.9
4 21	14 5.04	− 4 41.8	1.537	2.537	3.0	17.8
5 1	13 56.57	− 4 1.3	1.547	2.535	5.6	17.9
5 11	13 48.98	− 3 33.1	1.582	2.534	9.7	18.1
5 21	13 43.09	− 3 20.6	1.640	2.533	13.4	18.4
5 31	13 39.48	− 3 25.1	1.718	2.532	16.7	18.6

281248 2007 ML_{14} 4 23.0 276°.95 0°.6/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.97	−16 32.7	1.929	2.784	12.7	20.8
4 1	14 20.02	−16 4.4	1.842	2.771	9.3	20.6
4 11	14 13.14	−15 23.6	1.779	2.759	5.4	20.3
4 21	14 5.02	−14 33.1	1.743	2.747	1.3	20.0
5 1	13 56.61	−13 37.5	1.734	2.734	3.3	20.1
5 11	13 48.90	−12 43.0	1.753	2.721	7.5	20.3
5 21	13 42.71	−11 55.0	1.797	2.709	11.4	20.5
5 31	13 38.63	−11 18.2	1.863	2.696	14.8	20.7

62660 2000 SV_{365} 4 23.0 74°.59 4°.8/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.68	− 4 24.2	1.379	2.264	14.9	19.3
4 1	14 22.12	− 3 16.0	1.331	2.277	10.7	19.1
4 11	14 14.29	− 2 6.0	1.307	2.290	6.6	18.9
4 21	14 5.20	− 1 2.3	1.308	2.302	4.8	18.8
5 1	13 56.10	− 0 12.6	1.334	2.315	7.5	19.0
5 11	13 48.22	+ 0 17.2	1.385	2.328	11.6	19.3
5 21	13 42.42	+ 0 25.1	1.457	2.341	15.4	19.5
5 31	13 39.20	+ 0 11.5	1.548	2.354	18.6	19.8

473205 2015 KX_{110} 4 23.0 153°.85 1°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.50	− 8 45.7	2.552	3.416	9.6	21.5
4 1	14 17.69	− 7 52.0	2.483	3.420	6.8	21.4
4 11	14 11.58	− 6 53.7	2.440	3.423	3.8	21.2
4 21	14 4.74	− 5 54.9	2.426	3.427	1.9	21.0
5 1	13 57.81	− 4 59.8	2.442	3.430	3.9	21.2
5 11	13 51.48	− 4 12.8	2.486	3.433	6.9	21.4
5 21	13 46.26	− 3 36.8	2.555	3.436	9.7	21.6
5 31	13 42.56	− 3 13.7	2.648	3.438	12.1	21.7

200445 2000 VU_{21} 4 23.0 152°.01 0°.5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 19.65	−11 44.1	4.128	4.977	6.6	21.8
4 1	14 15.26	−11 17.4	4.055	4.984	4.7	21.6
4 11	14 10.09	−10 47.1	4.010	4.992	2.6	21.5
4 21	14 4.48	−10 15.0	3.995	4.999	0.5	21.3
5 1	13 58.83	− 9 43.2	4.010	5.005	2.0	21.5
5 11	13 53.52	− 9 13.9	4.056	5.012	4.1	21.6
5 21	13 48.89	− 8 49.0	4.129	5.018	6.1	21.8
5 31	13 45.21	− 8 30.0	4.228	5.024	7.8	21.9

198987 2005 VY_{86} 4 23.0 74°.00 5°.0/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.03	−27 38.9	1.812	2.626	15.1	20.0
4 1	14 22.28	−27 48.1	1.747	2.639	12.0	19.8
4 11	14 14.38	−27 36.8	1.703	2.653	8.6	19.7
4 21	14 5.23	−27 5.1	1.685	2.667	5.7	19.5
5 1	13 55.95	−26 16.1	1.693	2.681	5.3	19.5
5 11	13 47.70	−25 16.1	1.728	2.695	7.7	19.7
5 21	13 41.32	−24 12.5	1.787	2.709	10.9	19.9
5 31	13 37.37	−23 12.6	1.869	2.723	13.9	20.1

61619 2000 QA_{99} 4 23.0 212°.73 3°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.77	− 0 40.8	2.737	3.605	9.0	20.0
4 1	14 17.83	+ 0 20.5	2.665	3.598	6.6	19.8
4 11	14 11.66	+ 1 21.3	2.619	3.592	4.5	19.7
4 21	14 4.76	+ 2 17.2	2.602	3.585	4.0	19.6
5 1	13 57.74	+ 3 3.8	2.615	3.577	5.6	19.7
5 11	13 51.23	+ 3 37.9	2.655	3.570	8.0	19.8
5 21	13 45.74	+ 3 57.6	2.720	3.561	10.4	20.0
5 31	13 41.67	+ 4 2.4	2.806	3.553	12.5	20.1

482339 2011 UF_{402} 4 23.0 76°.67 7°.2/29.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.88	−36 17.1	0.967	1.790	24.6	20.9
4 1	14 23.47	−34 47.3	0.905	1.800	20.1	20.7
4 11	14 15.45	−32 20.9	0.859	1.809	14.8	20.4
4 21	14 5.41	−29 0.1	0.834	1.818	9.5	20.1
5 1	13 55.43	−25 0.2	0.832	1.828	7.3	20.0
5 11	13 47.46	−20 48.3	0.856	1.837	10.9	20.3
5 21	13 42.68	−16 52.4	0.902	1.846	16.3	20.6
5 31	13 41.57	−13 32.6	0.970	1.856	21.2	20.9

393068 2013 AF_{83} 4 23.0 306°.72 7°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.35	+ 7 9.0	2.090	2.960	11.2	19.9
4 1	14 18.64	+ 8 15.6	2.019	2.943	8.9	19.7
4 11	14 12.28	+ 9 15.5	1.973	2.926	7.4	19.5
4 21	14 4.88	+10 2.2	1.953	2.910	7.4	19.5
5 1	13 57.28	+10 30.2	1.959	2.893	9.1	19.6
5 11	13 50.30	+10 36.5	1.990	2.877	11.6	19.7
5 21	13 44.65	+10 20.4	2.042	2.860	14.2	19.8
5 31	13 40.85	+ 9 43.2	2.112	2.844	16.5	20.0

113473 2002 SB_{57} 4 23.0 229°.03 3°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.82	− 5 25.7	1.748	2.622	12.8	20.0
4 1	14 22.08	− 4 41.8	1.675	2.616	9.3	19.7
4 11	14 14.29	− 3 54.7	1.628	2.610	5.5	19.5
4 21	14 5.23	− 3 9.9	1.606	2.604	3.5	19.3
5 1	13 55.93	− 2 33.3	1.612	2.597	6.0	19.5
5 11	13 47.47	− 2 9.7	1.645	2.590	9.9	19.7
5 21	13 40.71	− 2 2.2	1.701	2.583	13.6	19.9
5 31	13 36.22	− 2 11.8	1.776	2.576	16.8	20.1

421842 2014 QG_{122} 4 23.0 173°.21 4°.3/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.93	− 3 30.3	1.946	2.816	11.9	22.3
4 1	14 21.88	− 2 15.0	1.883	2.820	8.6	22.1
4 11	14 14.05	− 0 57.8	1.845	2.823	5.5	21.9
4 21	14 5.19	+ 0 14.7	1.836	2.826	4.4	21.9
5 1	13 56.22	+ 1 16.0	1.855	2.827	6.6	22.0
5 11	13 48.10	+ 2 1.0	1.900	2.828	9.9	22.2
5 21	13 41.53	+ 2 27.0	1.970	2.828	13.1	22.4
5 31	13 37.01	+ 2 33.5	2.059	2.827	15.8	22.6

168940 2000 YL_{109} 4 23.0 26°.48 0°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.41	−12 30.1	1.218	2.101	16.6	19.4
4 1	14 22.37	−12 16.6	1.162	2.107	12.0	19.2
4 11	14 14.64	−11 52.2	1.128	2.114	6.7	18.9
4 21	14 5.31	−11 21.2	1.117	2.122	1.1	18.5
5 1	13 55.79	−10 49.9	1.131	2.130	4.8	18.8
5 11	13 47.56	−10 24.9	1.168	2.139	10.1	19.1
5 21	13 41.67	−10 11.5	1.227	2.149	14.8	19.4
5 31	13 38.73	−10 12.8	1.305	2.159	18.7	19.7

55981 1998 RO_{61} 4 23.0 147°.69 0°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.08	−15 37.5	1.680	2.536	14.2	20.4
4 1	14 23.69	−14 55.8	1.615	2.546	10.3	20.1
4 11	14 15.16	−14 1.0	1.573	2.555	5.8	19.9
4 21	14 5.38	−12 57.2	1.559	2.563	1.0	19.6
5 1	13 55.51	−11 50.8	1.572	2.571	3.8	19.8
5 11	13 46.68	−10 49.0	1.613	2.578	8.4	20.1
5 21	13 39.76	− 9 57.8	1.678	2.584	12.5	20.3
5 31	13 35.29	− 9 21.5	1.765	2.590	15.9	20.6

400525 2008 SU_{266} 4 23.0 304°.64 0°.1/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.98	−13 7.3	1.154	2.037	17.4	21.2
4 1	14 24.40	−13 7.4	1.060	2.004	12.9	20.8
4 11	14 16.39	−12 55.3	0.985	1.971	7.5	20.4
4 21	14 5.72	−12 33.4	0.933	1.937	1.3	19.9
5 1	13 53.84	−12 6.4	0.904	1.905	5.3	20.0
5 11	13 42.64	−11 41.8	0.899	1.872	11.9	20.3
5 21	13 33.82	−11 27.3	0.913	1.840	18.0	20.5
5 31	13 28.59	−11 28.9	0.944	1.809	23.4	20.7

59771 1999 NX_{17} 4 23.0 306°.79 1°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.36	−10 24.3	1.608	2.482	13.7	18.6
4 1	14 21.37	−10 5.2	1.523	2.464	9.9	18.3
4 11	14 14.08	− 9 38.6	1.462	2.447	5.6	18.0
4 21	14 5.24	− 9 8.1	1.426	2.430	1.5	17.7
5 1	13 55.96	− 8 39.0	1.416	2.413	4.7	17.9
5 11	13 47.44	− 8 16.6	1.433	2.396	9.4	18.1
5 21	13 40.70	− 8 5.4	1.472	2.380	13.7	18.3
5 31	13 36.43	− 8 8.5	1.531	2.364	17.5	18.5

434258 2003 UV_{175} 4 23.0 210°.61 0°.2/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.72	−14 44.2	2.504	3.353	10.3	22.2
4 1	14 19.40	−13 58.6	2.418	3.346	7.5	22.0
4 11	14 12.62	−13 3.7	2.358	3.339	4.2	21.8
4 21	14 4.96	−12 2.6	2.327	3.331	0.7	21.5
5 1	13 57.14	−10 59.7	2.326	3.323	2.9	21.6
5 11	13 49.89	− 9 59.8	2.353	3.314	6.4	21.9
5 21	13 43.83	− 9 7.4	2.408	3.305	9.5	22.0
5 31	13 39.42	− 8 25.9	2.486	3.295	12.3	22.2

240758 2005 LA_{2} 4 23.0 268°.83 4°.8/18.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.84	+ 1 1.3	2.338	3.207	10.2	20.9
4 1	14 19.60	+ 1 53.6	2.254	3.186	7.7	20.7
4 11	14 12.80	+ 2 44.2	2.195	3.166	5.4	20.6
4 21	14 5.00	+ 3 28.1	2.165	3.145	4.9	20.5
5 1	13 56.96	+ 4 0.6	2.162	3.123	6.7	20.6
5 11	13 49.44	+ 4 18.1	2.187	3.102	9.4	20.7
5 21	13 43.13	+ 4 18.8	2.235	3.080	12.2	20.8
5 31	13 38.52	+ 4 2.6	2.304	3.058	14.7	21.0

125421 2001 VM_{111} 4 23.0 261°.07 3°.0/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.37	−23 36.2	1.918	2.748	13.8	20.7
4 1	14 21.18	−23 10.9	1.822	2.731	10.6	20.5
4 11	14 13.88	−22 26.5	1.748	2.714	7.0	20.2
4 21	14 5.20	−21 24.2	1.701	2.697	3.6	20.0
5 1	13 56.15	−20 8.2	1.681	2.679	3.8	19.9
5 11	13 47.82	−18 45.5	1.689	2.660	7.5	20.1
5 21	13 41.11	−17 23.8	1.722	2.642	11.4	20.3
5 31	13 36.68	−16 10.5	1.778	2.623	14.9	20.5

237259 2008 WA_{83} 4 23.0 283°.84 2°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.50	− 7 3.9	1.914	2.788	11.9	20.5
4 1	14 19.59	− 6 15.3	1.838	2.779	8.5	20.2
4 11	14 12.86	− 5 22.0	1.787	2.770	4.9	20.0
4 21	14 5.01	− 4 29.0	1.762	2.761	2.8	19.8
5 1	13 56.94	− 3 41.9	1.765	2.753	5.3	20.0
5 11	13 49.59	− 3 6.0	1.795	2.744	9.0	20.2
5 21	13 43.71	− 2 44.7	1.849	2.735	12.5	20.4
5 31	13 39.85	− 2 39.7	1.923	2.726	15.5	20.6

420959 2013 PE_{10} 4 23.0 281°.97 5°.3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.52	− 1 59.3	1.595	2.476	13.4	20.7
4 1	14 21.39	− 0 56.9	1.519	2.461	9.9	20.4
4 11	14 14.03	+ 0 6.8	1.468	2.446	6.5	20.2
4 21	14 5.24	+ 1 4.4	1.441	2.431	5.4	20.1
5 1	13 56.10	+ 1 48.5	1.441	2.416	7.9	20.2
5 11	13 47.78	+ 2 13.3	1.466	2.400	11.7	20.3
5 21	13 41.24	+ 2 16.1	1.512	2.385	15.5	20.5
5 31	13 37.11	+ 1 56.8	1.577	2.370	18.8	20.7

518473 2005 QE_{191} 4 23.0 192°.81 2°.8/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.64	−23 20.5	2.651	3.466	10.8	21.5
4 1	14 20.08	−23 25.0	2.565	3.465	8.4	21.3
4 11	14 13.02	−23 17.5	2.504	3.464	5.6	21.1
4 21	14 5.05	−22 58.4	2.471	3.462	3.3	21.0
5 1	13 56.88	−22 29.8	2.467	3.460	3.3	21.0
5 11	13 49.27	−21 55.1	2.491	3.458	5.7	21.1
5 21	13 42.87	−21 18.6	2.543	3.456	8.5	21.3
5 31	13 38.15	−20 44.3	2.618	3.453	11.0	21.5

281690 2008 WY_{38} 4 23.0 314°.69 2°.8/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.50	− 6 1.8	1.780	2.655	12.6	19.9
4 1	14 21.15	− 5 37.3	1.706	2.647	9.1	19.7
4 11	14 13.79	− 5 10.2	1.656	2.640	5.3	19.4
4 21	14 5.19	− 4 44.8	1.633	2.633	2.8	19.3
5 1	13 56.33	− 4 25.8	1.637	2.626	5.3	19.4
5 11	13 48.26	− 4 17.4	1.667	2.619	9.2	19.6
5 21	13 41.82	− 4 22.1	1.720	2.612	13.0	19.8
5 31	13 37.58	− 4 41.2	1.795	2.606	16.1	20.0

34785 2001 RG_{87} 4 23.0 288°.69 1°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 16.75	− 9 3.6	4.237	5.097	6.2	18.7
4 1	14 13.24	− 8 17.3	4.158	5.094	4.4	18.5
4 11	14 9.00	− 7 28.0	4.108	5.091	2.4	18.4
4 21	14 4.35	− 6 38.1	4.087	5.088	1.1	18.3
5 1	13 59.63	− 5 50.1	4.096	5.085	2.4	18.4
5 11	13 55.22	− 5 6.4	4.135	5.082	4.4	18.5
5 21	13 51.41	− 4 29.0	4.202	5.079	6.3	18.6
5 31	13 48.47	− 3 59.4	4.293	5.076	7.9	18.8

303727 2005 QO_{38} 4 23.0 231°.36 4°.4/27.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.82	−27 56.1	2.572	3.366	11.7	21.1
4 1	14 21.09	−28 14.6	2.479	3.359	9.4	20.9
4 11	14 13.67	−28 18.4	2.411	3.352	6.9	20.8
4 21	14 5.17	−28 7.0	2.368	3.344	4.9	20.6
5 1	13 56.38	−27 41.6	2.354	3.337	4.6	20.6
5 11	13 48.16	−27 5.5	2.368	3.329	6.4	20.7
5 21	13 41.24	−26 23.4	2.409	3.320	8.9	20.8
5 31	13 36.15	−25 40.6	2.473	3.312	11.4	21.0

277741 2006 DD_{102} 4 23.0 153°.66 0°.1/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.23	−14 12.0	2.097	2.950	11.9	21.5
4 1	14 21.39	−13 54.8	2.025	2.954	8.6	21.3
4 11	14 13.80	−13 28.8	1.978	2.959	4.9	21.0
4 21	14 5.18	−12 56.9	1.958	2.963	0.9	20.8
5 1	13 56.41	−12 22.7	1.968	2.966	3.2	20.9
5 11	13 48.41	−11 50.8	2.005	2.969	7.0	21.2
5 21	13 41.88	−11 25.1	2.068	2.972	10.5	21.4
5 31	13 37.33	−11 8.9	2.153	2.975	13.5	21.6

332925 2011 CV_{33} 4 23.0 34°.71 9°.7/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.76	+ 8 20.0	1.481	2.362	14.3	20.0
4 1	14 19.95	+ 9 58.5	1.442	2.369	11.6	19.9
4 11	14 13.07	+11 24.8	1.426	2.377	9.8	19.8
4 21	14 5.05	+12 29.3	1.433	2.385	10.0	19.8
5 1	13 57.00	+13 5.1	1.464	2.393	12.0	19.9
5 11	13 50.04	+13 9.4	1.517	2.402	14.7	20.1
5 21	13 44.95	+12 44.0	1.590	2.411	17.4	20.3
5 31	13 42.21	+11 52.6	1.678	2.420	19.7	20.5

299741 2006 RX_{75} 4 23.0 293°.83 2°.2/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.85	−19 13.1	2.082	2.923	12.5	21.1
4 1	14 21.33	−19 24.7	1.996	2.914	9.4	20.8
4 11	14 13.89	−19 25.0	1.933	2.905	5.9	20.6
4 21	14 5.21	−19 14.6	1.897	2.896	2.7	20.4
5 1	13 56.21	−18 55.7	1.889	2.888	3.4	20.4
5 11	13 47.87	−18 32.3	1.909	2.879	6.9	20.6
5 21	13 41.00	−18 9.0	1.954	2.870	10.4	20.8
5 31	13 36.20	−17 50.1	2.022	2.862	13.6	21.0

349459 2008 CH_{118} 4 23.0 139°.97 3°.0/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.94	−24 28.7	2.717	3.526	10.8	21.6
4 1	14 20.21	−24 27.9	2.641	3.536	8.3	21.4
4 11	14 13.05	−24 14.3	2.589	3.545	5.7	21.3
4 21	14 5.06	−23 48.8	2.565	3.554	3.4	21.1
5 1	13 56.95	−23 13.6	2.570	3.562	3.3	21.1
5 11	13 49.47	−22 32.3	2.604	3.570	5.5	21.3
5 21	13 43.20	−21 49.4	2.665	3.578	8.1	21.5
5 31	13 38.59	−21 8.9	2.751	3.585	10.5	21.6

173170 1997 EU_{31} 4 23.0 108°.53 0°.3/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.17	−15 11.8	1.760	2.614	13.7	21.9
4 1	14 23.61	−14 47.0	1.704	2.634	9.9	21.7
4 11	14 15.05	−14 11.3	1.672	2.652	5.6	21.5
4 21	14 5.40	−13 27.9	1.667	2.671	1.1	21.2
5 1	13 55.74	−12 42.0	1.690	2.689	3.5	21.4
5 11	13 47.15	−11 59.4	1.740	2.706	7.8	21.7
5 21	13 40.40	−11 24.9	1.815	2.722	11.6	22.0
5 31	13 35.98	−11 2.1	1.913	2.738	14.8	22.2

114020 2002 US_{46} 4 23.0 226°.10 3°.1/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.16	− 2 39.1	2.437	3.299	10.1	20.0
4 1	14 21.88	− 2 20.3	2.357	3.290	7.4	19.8
4 11	14 14.04	− 2 2.0	2.303	3.280	4.6	19.6
4 21	14 5.24	− 1 47.7	2.277	3.271	3.2	19.5
5 1	13 56.24	− 1 40.6	2.281	3.261	5.0	19.6
5 11	13 47.83	− 1 43.2	2.313	3.250	7.9	19.7
5 21	13 40.66	− 1 56.9	2.372	3.239	10.8	19.9
5 31	13 35.23	− 2 22.2	2.452	3.228	13.3	20.1

472739 2015 FS_{84} 4 23.0 330°.18 7°.3/27.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.36	−29 12.9	1.481	2.306	17.4	20.6
4 1	14 20.48	−29 50.7	1.390	2.286	14.3	20.3
4 11	14 13.86	−30 5.2	1.319	2.266	10.9	20.1
4 21	14 5.27	−29 53.5	1.271	2.247	8.0	19.8
5 1	13 56.02	−29 16.0	1.245	2.230	7.4	19.8
5 11	13 47.59	−28 18.1	1.244	2.213	9.9	19.8
5 21	13 41.28	−27 8.8	1.264	2.197	13.6	20.0
5 31	13 37.95	−25 58.4	1.305	2.182	17.3	20.2

37388 2001 WJ_{36} 4 23.0 109°.94 3°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.54	− 1 51.6	2.357	3.226	10.1	19.7
4 1	14 19.19	− 1 8.4	2.299	3.235	7.4	19.5
4 11	14 12.47	− 0 26.1	2.268	3.244	4.7	19.3
4 21	14 4.97	+ 0 11.0	2.264	3.253	3.8	19.3
5 1	13 57.42	+ 0 38.9	2.289	3.262	5.5	19.4
5 11	13 50.55	+ 0 54.5	2.342	3.271	8.2	19.6
5 21	13 44.92	+ 0 56.5	2.418	3.279	10.8	19.8
5 31	13 40.94	+ 0 44.7	2.517	3.288	13.1	20.0

370126 2001 VZ_{83} 4 23.0 178°.20 3°.4/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.59	−22 58.4	2.252	3.067	12.5	21.4
4 1	14 24.61	−23 19.8	2.169	3.069	9.7	21.3
4 11	14 15.69	−23 28.0	2.111	3.070	6.5	21.1
4 21	14 5.54	−23 22.6	2.081	3.071	3.8	20.9
5 1	13 55.13	−23 5.2	2.079	3.071	3.9	20.9
5 11	13 45.43	−22 39.5	2.106	3.071	6.7	21.1
5 21	13 37.28	−22 10.5	2.160	3.070	9.9	21.3
5 31	13 31.26	−21 43.0	2.238	3.068	12.7	21.4

196730 2003 SG_{120} 4 23.0 248°.93 0°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.13	−14 12.3	1.943	2.801	12.4	20.1
4 1	14 20.78	−13 52.2	1.866	2.799	9.0	19.9
4 11	14 13.55	−13 22.6	1.814	2.796	5.1	19.7
4 21	14 5.18	−12 46.4	1.788	2.793	0.9	19.3
5 1	13 56.58	−12 7.7	1.791	2.790	3.4	19.5
5 11	13 48.75	−11 31.8	1.821	2.787	7.5	19.8
5 21	13 42.44	−11 2.9	1.876	2.784	11.2	20.0
5 31	13 38.23	−10 44.7	1.952	2.780	14.4	20.2

312053 2007 RG_{298} 4 23.0 146°.56 1°.8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.90	− 9 45.4	1.757	2.622	13.2	21.4
4 1	14 23.48	− 9 8.7	1.694	2.631	9.4	21.2
4 11	14 15.04	− 8 25.5	1.656	2.639	5.2	20.9
4 21	14 5.42	− 7 40.3	1.644	2.647	1.8	20.7
5 1	13 55.71	− 6 58.6	1.661	2.654	4.6	20.9
5 11	13 46.97	− 6 25.7	1.705	2.661	8.8	21.2
5 21	13 40.01	− 6 5.2	1.773	2.666	12.6	21.4
5 31	13 35.37	− 5 59.3	1.862	2.672	15.7	21.6

279599 2011 ER_{13} 4 23.0 28°.03 9°.3/17.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.37	+ 8 2.2	1.308	2.190	15.7	19.9
4 1	14 22.66	+ 8 46.7	1.271	2.202	12.5	19.8
4 11	14 14.62	+ 9 16.6	1.256	2.216	9.9	19.7
4 21	14 5.34	+ 9 24.4	1.264	2.230	9.5	19.7
5 1	13 56.14	+ 9 5.6	1.296	2.246	11.3	19.8
5 11	13 48.28	+ 8 19.7	1.349	2.262	14.2	20.0
5 21	13 42.60	+ 7 10.1	1.423	2.279	17.3	20.3
5 31	13 39.58	+ 5 41.6	1.515	2.297	19.9	20.5

335575 2006 DH_{2} 4 23.0 121°.76 1°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.96	−17 21.7	1.973	2.822	12.7	20.9
4 1	14 21.30	−17 5.2	1.903	2.829	9.3	20.7
4 11	14 13.80	−16 36.9	1.858	2.835	5.5	20.5
4 21	14 5.22	−15 59.3	1.839	2.842	1.7	20.2
5 1	13 56.51	−15 16.3	1.849	2.848	3.2	20.3
5 11	13 48.62	−14 33.4	1.886	2.854	7.1	20.6
5 21	13 42.30	−13 55.4	1.948	2.860	10.7	20.8
5 31	13 38.08	−13 26.5	2.033	2.866	13.7	21.0

67445 2000 QX_{149} 4 23.0 263°.99 1°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.64	−11 4.5	2.266	3.131	10.7	19.8
4 1	14 18.04	−10 9.6	2.186	3.124	7.6	19.6
4 11	14 11.93	− 9 7.2	2.132	3.116	4.2	19.4
4 21	14 4.90	− 8 1.4	2.106	3.109	1.4	19.2
5 1	13 57.71	− 6 57.5	2.109	3.101	3.9	19.3
5 11	13 51.13	− 6 0.6	2.139	3.094	7.3	19.5
5 21	13 45.78	− 5 15.0	2.195	3.086	10.6	19.7
5 31	13 42.14	− 4 43.4	2.273	3.079	13.4	19.9

8523 Bouillabaisse 4 23.0 204°.57 2°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.82	− 9 41.5	1.774	2.643	13.0	18.6
4 1	14 22.10	− 8 48.3	1.700	2.639	9.3	18.4
4 11	14 14.33	− 7 47.1	1.651	2.635	5.2	18.1
4 21	14 5.32	− 6 43.4	1.629	2.631	2.2	17.9
5 1	13 56.10	− 5 43.6	1.634	2.626	5.0	18.1
5 11	13 47.72	− 4 53.9	1.667	2.620	9.2	18.3
5 21	13 41.02	− 4 18.9	1.723	2.614	13.0	18.5
5 31	13 36.59	− 4 1.2	1.800	2.607	16.3	18.7

384772 2012 *OE* 4 23.0 258°.48 7°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.07	+ 7 24.0	2.178	3.042	11.1	21.3
4 1	14 20.61	+ 8 43.8	2.101	3.021	8.9	21.1
4 11	14 13.44	+ 9 57.8	2.050	2.999	7.4	21.0
4 21	14 5.18	+10 59.1	2.025	2.977	7.6	20.9
5 1	13 56.64	+11 41.7	2.028	2.954	9.3	21.0
5 11	13 48.70	+12 1.9	2.055	2.930	11.8	21.1
5 21	13 42.07	+11 58.7	2.104	2.906	14.3	21.2
5 31	13 37.31	+11 33.3	2.171	2.882	16.6	21.4

136562 2609 *T*-3 4 23.0 308°.07 0°.1/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.83	−15 48.6	1.819	2.682	12.9	19.7
4 1	14 18.64	−15 3.0	1.728	2.662	9.5	19.4
4 11	14 12.47	−14 3.4	1.661	2.643	5.4	19.2
4 21	14 5.02	−12 53.5	1.620	2.624	1.0	18.8
5 1	13 57.23	−11 39.4	1.607	2.606	3.6	19.0
5 11	13 50.11	−10 28.1	1.620	2.587	8.1	19.2
5 21	13 44.53	− 9 26.5	1.657	2.569	12.2	19.4
5 31	13 41.10	− 8 39.4	1.716	2.552	15.8	19.6

341609 2007 UP_{125} 4 23.0 135°.50 1°.1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.98	−19 7.5	2.331	3.171	11.3	20.7
4 1	14 18.93	−18 27.4	2.257	3.177	8.3	20.6
4 11	14 12.39	−17 35.0	2.208	3.183	5.0	20.4
4 21	14 4.98	−16 33.0	2.187	3.189	1.6	20.1
5 1	13 57.48	−15 26.0	2.195	3.194	2.7	20.2
5 11	13 50.68	−14 19.4	2.231	3.199	6.2	20.4
5 21	13 45.17	−13 18.3	2.294	3.204	9.4	20.7
5 31	13 41.42	−12 26.9	2.381	3.209	12.1	20.8

352588 2008 ED_{20} 4 23.0 114°.32 5°.1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.52	−29 41.3	2.550	3.333	12.1	21.1
4 1	14 22.30	−30 14.5	2.472	3.341	9.9	20.9
4 11	14 14.35	−30 32.2	2.418	3.349	7.5	20.8
4 21	14 5.33	−30 33.6	2.389	3.356	5.6	20.7
5 1	13 56.09	−30 19.3	2.389	3.364	5.2	20.7
5 11	13 47.52	−29 52.7	2.417	3.371	6.6	20.8
5 21	13 40.33	−29 18.3	2.471	3.378	8.9	20.9
5 31	13 35.06	−28 41.4	2.549	3.385	11.2	21.1

469735 2005 NO_{35} 4 23.0 242°.51 2°.4/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.00	− 6 0.9	2.589	3.453	9.5	22.7
4 1	14 18.87	− 5 20.0	2.504	3.440	6.8	22.5
4 11	14 12.35	− 4 36.3	2.445	3.427	4.0	22.3
4 21	14 4.98	− 3 53.5	2.416	3.413	2.4	22.1
5 1	13 57.42	− 3 15.5	2.415	3.399	4.3	22.3
5 11	13 50.37	− 2 45.9	2.443	3.385	7.3	22.4
5 21	13 44.40	− 2 27.4	2.497	3.370	10.1	22.6
5 31	13 39.98	− 2 21.3	2.573	3.355	12.6	22.7

323082 2002 TJ_{182} 4 23.0 205°.40 3°.2/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.79	−23 42.6	2.045	2.867	13.4	21.7
4 1	14 22.76	−23 31.9	1.958	2.863	10.3	21.5
4 11	14 14.72	−23 4.3	1.895	2.857	6.9	21.3
4 21	14 5.40	−22 20.7	1.858	2.851	3.8	21.1
5 1	13 55.81	−21 24.5	1.849	2.845	3.9	21.1
5 11	13 47.00	−20 21.4	1.868	2.838	7.1	21.2
5 21	13 39.79	−19 17.9	1.914	2.830	10.6	21.4
5 31	13 34.80	−18 20.5	1.982	2.821	13.8	21.6

111738 2002 CY_{78} 4 23.0 308°.75 6°.8/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.00	−33 6.6	2.261	3.033	13.8	19.3
4 1	14 22.33	−33 52.0	2.170	3.025	11.6	19.1
4 11	14 14.56	−34 19.0	2.101	3.017	9.3	18.9
4 21	14 5.40	−34 25.3	2.056	3.009	7.4	18.8
5 1	13 55.80	−34 10.8	2.038	3.001	6.9	18.7
5 11	13 46.84	−33 38.6	2.046	2.993	8.1	18.8
5 21	13 39.45	−32 54.1	2.079	2.986	10.4	18.9
5 31	13 34.30	−32 4.2	2.135	2.979	12.8	19.1

221165 2005 TT_{124} 4 23.0 27°.32 1°.9/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.06	−16 33.0	1.404	2.269	16.0	20.1
4 1	14 23.43	−16 53.8	1.343	2.276	11.8	19.8
4 11	14 15.25	−17 2.1	1.304	2.283	7.1	19.6
4 21	14 5.51	−16 59.0	1.289	2.291	2.5	19.3
5 1	13 55.53	−16 47.7	1.300	2.300	4.1	19.4
5 11	13 46.70	−16 33.5	1.336	2.310	8.8	19.7
5 21	13 40.06	−16 21.9	1.395	2.320	13.2	20.0
5 31	13 36.23	−16 17.6	1.475	2.330	16.9	20.3

70499 1999 TN_{93} 4 23.0 79°.62 2°.5/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.98	− 8 38.3	1.482	2.358	14.6	18.6
4 1	14 22.98	− 7 56.2	1.433	2.375	10.4	18.4
4 11	14 14.80	− 7 8.4	1.407	2.391	5.8	18.2
4 21	14 5.41	− 6 20.6	1.406	2.408	2.5	18.0
5 1	13 56.03	− 5 39.2	1.433	2.425	5.4	18.2
5 11	13 47.84	− 5 9.9	1.485	2.441	9.8	18.5
5 21	13 41.67	− 4 56.0	1.559	2.457	13.7	18.8
5 31	13 38.01	− 4 58.8	1.654	2.473	17.0	19.1

459849 2013 TN_{47} 4 23.0 219°.49 0°.4/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 17.81	−15 59.0	4.857	5.694	5.9	21.9
4 1	14 13.96	−15 47.0	4.769	5.689	4.3	21.7
4 11	14 9.42	−15 30.5	4.708	5.684	2.5	21.6
4 21	14 4.49	−15 10.8	4.676	5.679	0.7	21.4
5 1	13 59.47	−14 49.3	4.675	5.674	1.5	21.5
5 11	13 54.72	−14 27.7	4.704	5.669	3.3	21.7
5 21	13 50.51	−14 7.7	4.761	5.664	5.1	21.8
5 31	13 47.10	−13 50.8	4.844	5.659	6.6	21.9

118662 2000 KD_{11} 4 23.0 271°.02 3°.3/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.89	−24 52.7	1.827	2.656	14.4	20.5
4 1	14 20.96	−24 20.5	1.730	2.638	11.2	20.3
4 11	14 13.84	−23 26.5	1.656	2.620	7.6	20.0
4 21	14 5.28	−22 12.1	1.607	2.602	4.1	19.8
5 1	13 56.34	−20 41.8	1.586	2.583	4.1	19.7
5 11	13 48.16	−19 3.6	1.592	2.565	7.7	19.9
5 21	13 41.68	−17 26.4	1.623	2.546	11.8	20.1
5 31	13 37.58	−15 58.8	1.677	2.527	15.5	20.3

472446 2015 BY_{318} 4 23.0 311°.80 5°.5/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.32	−25 48.2	1.581	2.413	16.2	20.7
4 1	14 22.42	−26 18.4	1.492	2.396	12.9	20.4
4 11	14 14.88	−26 29.2	1.423	2.380	9.3	20.2
4 21	14 5.49	−26 18.7	1.378	2.364	6.2	19.9
5 1	13 55.49	−25 48.0	1.358	2.349	5.9	19.9
5 11	13 46.30	−25 2.5	1.363	2.333	9.0	20.0
5 21	13 39.10	−24 9.9	1.391	2.319	13.0	20.2
5 31	13 34.74	−23 18.9	1.440	2.305	16.7	20.4

22154 2000 WV_{72} 4 23.1 310°.89 3°.4/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.04	− 4 7.4	2.175	3.049	10.7	18.9
4 1	14 18.35	− 3 17.6	2.103	3.043	7.7	18.7
4 11	14 12.12	− 2 26.0	2.058	3.038	4.7	18.5
4 21	14 4.96	− 1 37.7	2.039	3.033	3.5	18.4
5 1	13 57.66	− 0 57.4	2.049	3.028	5.5	18.5
5 11	13 50.99	− 0 29.3	2.086	3.023	8.6	18.7
5 21	13 45.59	− 0 15.7	2.146	3.019	11.6	18.9
5 31	13 41.95	− 0 17.6	2.228	3.014	14.2	19.0

268974 2007 EQ_{40} 4 23.1 250°.28 0°.5/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.05	−16 22.9	2.102	2.950	12.1	20.7
4 1	14 21.49	−15 53.2	2.006	2.932	8.9	20.4
4 11	14 14.02	−15 11.6	1.934	2.913	5.2	20.2
4 21	14 5.32	−14 20.4	1.890	2.894	1.2	19.9
5 1	13 56.26	−13 24.2	1.874	2.874	3.2	20.0
5 11	13 47.81	−12 28.4	1.887	2.853	7.3	20.2
5 21	13 40.78	−11 38.5	1.926	2.832	11.1	20.4
5 31	13 35.79	−10 59.2	1.987	2.810	14.4	20.5

408609 2013 RA_{73} 4 23.1 202°.91 0°.8/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 16.54	− 9 39.0	4.712	5.568	5.7	21.3
4 1	14 13.06	− 9 4.3	4.633	5.567	4.0	21.1
4 11	14 8.92	− 8 26.9	4.582	5.565	2.2	21.0
4 21	14 4.41	− 7 48.9	4.561	5.564	0.8	20.9
5 1	13 59.84	− 7 12.0	4.571	5.562	2.1	21.0
5 11	13 55.55	− 6 38.4	4.610	5.560	3.9	21.1
5 21	13 51.79	− 6 9.7	4.676	5.558	5.6	21.2
5 31	13 48.82	− 5 47.1	4.768	5.556	7.1	21.3

306354 2011 ST_{193} 4 23.1 215°.20 2°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.93	− 6 53.6	2.614	3.479	9.4	21.6
4 1	14 18.06	− 5 59.2	2.537	3.474	6.7	21.4
4 11	14 11.88	− 5 1.2	2.486	3.468	3.9	21.2
4 21	14 4.93	− 4 3.6	2.464	3.461	2.3	21.1
5 1	13 57.85	− 3 10.7	2.471	3.455	4.3	21.2
5 11	13 51.29	− 2 26.7	2.507	3.448	7.1	21.4
5 21	13 45.81	− 1 54.3	2.568	3.441	9.9	21.6
5 31	13 41.82	− 1 35.3	2.652	3.433	12.3	21.7

264256 3031 *T*-3 4 23.1 87°.58 0°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.74	−14 19.8	1.693	2.555	13.8	20.4
4 1	14 21.93	−13 38.8	1.639	2.574	9.9	20.2
4 11	14 14.16	−12 46.8	1.609	2.592	5.5	19.9
4 21	14 5.32	−11 48.5	1.606	2.610	0.9	19.7
5 1	13 56.48	−10 49.9	1.630	2.628	3.8	19.9
5 11	13 48.70	− 9 57.5	1.681	2.646	8.1	20.2
5 21	13 42.73	− 9 16.2	1.757	2.663	11.9	20.5
5 31	13 39.04	− 8 49.3	1.853	2.680	15.1	20.7

365420 2010 HQ_{35} 4 23.1 302.°70 6.°2/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.77	− 2 27.5	1.298	2.189	15.2	20.9
4 1	14 21.40	− 1 12.3	1.219	2.166	11.2	20.6
4 11	14 14.33	+ 0 7.0	1.162	2.142	7.5	20.3
4 21	14 5.42	+ 1 21.0	1.128	2.119	6.3	20.2
5 1	13 55.93	+ 2 19.2	1.120	2.096	9.3	20.3
5 11	13 47.32	+ 2 53.6	1.133	2.073	13.9	20.4
5 21	13 40.77	+ 3 0.0	1.167	2.051	18.3	20.6
5 31	13 37.10	+ 2 38.2	1.217	2.029	22.3	20.8

105876 2000 SF_{177} 4 23.1 281.°69 2.°9/25.4 18

3 22	14 27.22	−21 38.9	2.276	3.103	12.0	18.7
4 1	14 21.53	−21 58.6	2.186	3.094	9.2	18.5
4 11	14 14.02	−22 6.6	2.121	3.085	6.1	18.3
4 21	14 5.33	−22 2.7	2.083	3.077	3.4	18.1
5 1	13 56.32	−21 48.6	2.073	3.068	3.6	18.1
5 11	13 47.90	−21 27.7	2.091	3.059	6.5	18.2
5 21	13 40.86	−21 4.2	2.136	3.051	9.7	18.4
5 31	13 35.78	−20 42.8	2.203	3.042	12.6	18.6

500799 2013 GQ_3 4 23.1 329.°62 0.°9/22.6 17

3 22	14 24.13	−12 21.6	1.073	1.966	17.4	21.0
4 1	14 20.68	−12 5.5	0.997	1.947	12.8	20.7
4 11	14 14.13	−11 36.4	0.941	1.929	7.2	20.3
4 21	14 5.41	−10 58.6	0.907	1.912	1.3	19.9
5 1	13 56.00	−10 19.2	0.896	1.895	5.5	20.1
5 11	13 47.63	− 9 46.9	0.906	1.881	11.6	20.4
5 21	13 41.71	− 9 29.0	0.936	1.867	17.2	20.6
5 31	13 39.15	− 9 30.0	0.982	1.855	22.0	20.9

117385 2004 YN_{20} 4 23.1 230.°56 2.°9/17.5 18

3 22	14 16.98	+ 2 52.2	4.583	5.445	5.7	19.4
4 1	14 13.38	+ 3 28.8	4.516	5.443	4.3	19.3
4 11	14 9.11	+ 4 3.1	4.477	5.441	3.2	19.3
4 21	14 4.46	+ 4 33.0	4.468	5.439	3.0	19.2
5 1	13 59.76	+ 4 56.4	4.487	5.436	3.9	19.3
5 11	13 55.33	+ 5 11.9	4.535	5.434	5.3	19.4
5 21	13 51.47	+ 5 18.6	4.608	5.431	6.7	19.5
5 31	13 48.40	+ 5 16.2	4.703	5.429	8.0	19.6

70458 1999 TR_{25} 4 23.1 83.°34 0.°9/23.7 18

3 22	14 30.07	−16 0.8	1.524	2.384	15.2	18.9
4 1	14 23.90	−15 53.3	1.466	2.397	11.1	18.7
4 11	14 15.41	−15 33.1	1.430	2.410	6.4	18.5
4 21	14 5.57	−15 3.1	1.420	2.423	1.7	18.2
5 1	13 55.62	−14 27.9	1.437	2.436	3.8	18.4
5 11	13 46.83	−13 53.7	1.479	2.449	8.5	18.7
5 21	13 40.10	−13 26.0	1.546	2.462	12.6	19.0
5 31	13 36.00	−13 9.2	1.633	2.475	16.2	19.2

109270 2001 QA_{112} 4 23.1 317.°78 1.°7/21.4 18

3 22	14 22.92	−10 46.5	2.049	2.917	11.5	19.5
4 1	14 18.36	− 9 49.3	1.975	2.915	8.2	19.3
4 11	14 12.17	− 8 44.3	1.928	2.912	4.5	19.0
4 21	14 5.01	− 7 36.4	1.907	2.910	1.7	18.8
5 1	13 57.69	− 6 31.2	1.915	2.907	4.2	19.0
5 11	13 51.08	− 5 34.5	1.950	2.905	7.9	19.2
5 21	13 45.83	− 4 50.6	2.010	2.903	11.3	19.4
5 31	13 42.43	− 4 22.1	2.091	2.901	14.2	19.6

374346 2005 UB_{104} 4 23.1 166.°60 0.°7/22.4 17

3 22	14 26.64	−12 54.9	2.098	2.955	11.7	22.6
4 1	14 20.97	−12 13.5	2.026	2.959	8.4	22.4
4 11	14 13.61	−11 23.4	1.980	2.963	4.7	22.1
4 21	14 5.26	−10 28.4	1.961	2.966	0.9	21.9
5 1	13 56.78	− 9 33.6	1.972	2.968	3.6	22.1
5 11	13 49.06	− 8 44.1	2.010	2.970	7.4	22.3
5 21	13 42.79	− 8 4.3	2.074	2.972	10.8	22.5
5 31	13 38.46	− 7 37.1	2.161	2.973	13.8	22.7

504721 2009 UD_{35} 4 23.1 172.°82 1.°3/24.5 17

3 22	14 26.40	−19 55.2	2.328	3.161	11.6	22.1
4 1	14 20.72	−19 15.8	2.249	3.165	8.6	21.9
4 11	14 13.44	−18 23.1	2.194	3.167	5.2	21.7
4 21	14 5.24	−17 19.8	2.168	3.170	1.9	21.5
5 1	13 56.91	−16 10.1	2.172	3.171	2.8	21.6
5 11	13 49.30	−14 59.9	2.205	3.172	6.3	21.8
5 21	13 43.05	−13 54.6	2.264	3.173	9.6	22.0
5 31	13 38.63	−12 58.6	2.348	3.172	12.4	22.2

42658 1998 FQ_{118} 4 23.1 83.°58 1.°3/24.1 18

3 22	14 26.91	−18 50.8	1.487	2.346	15.5	19.3
4 1	14 21.76	−18 11.1	1.421	2.351	11.5	19.0
4 11	14 14.27	−17 13.4	1.378	2.357	6.8	18.8
4 21	14 5.39	−16 1.8	1.359	2.362	2.0	18.5
5 1	13 56.36	−14 43.3	1.368	2.368	3.8	18.6
5 11	13 48.42	−13 26.6	1.402	2.374	8.6	18.9
5 21	13 42.50	−12 19.8	1.459	2.379	13.0	19.2
5 31	13 39.18	−11 28.6	1.538	2.385	16.7	19.4

117490 2005 CE_{16} 4 23.1 276.°06 2.°2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.70	− 8 31.2	1.958	2.829	11.8	19.8
4 1	14 19.76	− 7 45.6	1.879	2.819	8.4	19.6
4 11	14 13.03	− 6 54.1	1.826	2.810	4.8	19.4
4 21	14 5.19	− 6 1.4	1.799	2.800	2.2	19.2
5 1	13 57.10	− 5 12.8	1.800	2.790	4.8	19.3
5 11	13 49.71	− 4 33.7	1.828	2.780	8.6	19.5
5 21	13 43.76	− 4 7.8	1.880	2.771	12.1	19.7
5 31	13 39.81	− 3 57.3	1.954	2.761	15.2	19.9

249157 2008 BU_9 4 23.1 269.°19 0.°6/23.6 17

3 22	14 24.93	−15 41.8	2.297	3.147	11.1	20.8
4 1	14 19.75	−15 30.3	2.214	3.141	8.1	20.6
4 11	14 12.95	−15 9.9	2.157	3.136	4.7	20.4
4 21	14 5.17	−14 42.5	2.127	3.130	1.2	20.1
5 1	13 57.17	−14 11.4	2.125	3.125	2.8	20.2
5 11	13 49.78	−13 40.7	2.152	3.119	6.4	20.4
5 21	13 43.68	−13 14.1	2.205	3.114	9.8	20.6
5 31	13 39.37	−12 55.1	2.280	3.108	12.6	20.8

466285 2013 PC_{26} 4 23.1 257.°69 0.°3/22.8 17

3 22	14 27.16	−14 31.8	1.896	2.753	12.8	21.5
4 1	14 21.75	−13 50.6	1.801	2.733	9.3	21.3
4 11	14 14.27	−12 57.0	1.731	2.713	5.3	21.0
4 21	14 5.42	−11 54.6	1.688	2.693	0.9	20.6
5 1	13 56.17	−10 48.8	1.673	2.671	3.8	20.8
5 11	13 47.59	− 9 46.4	1.686	2.650	8.2	21.0
5 21	13 40.55	− 8 53.3	1.724	2.627	12.3	21.2
5 31	13 35.73	− 8 14.3	1.783	2.605	15.9	21.4

270365 2001 YU_{117} 4 23.1 167.°16 4.°3/19.1 17

3 22	14 27.55	− 0 36.1	2.238	3.104	10.7	20.7
4 1	14 21.47	+ 0 12.7	2.176	3.109	7.9	20.5
4 11	14 13.84	+ 0 59.9	2.140	3.113	5.3	20.4
4 21	14 5.31	+ 1 40.7	2.131	3.117	4.4	20.3
5 1	13 56.71	+ 2 10.6	2.152	3.120	6.2	20.4
5 11	13 48.82	+ 2 26.3	2.199	3.122	9.0	20.6
5 21	13 42.30	+ 2 26.5	2.271	3.124	11.8	20.8
5 31	13 37.59	+ 2 11.3	2.364	3.125	14.2	20.9

248535 2005 WN_{184} 4 23.1 260.°51 3.°1/26.6 18

3 22	14 23.61	−25 51.2	2.583	3.392	11.3	20.5
4 1	14 18.77	−25 28.3	2.484	3.378	8.8	20.3
4 11	14 12.40	−24 49.9	2.409	3.364	6.1	20.1
4 21	14 5.08	−23 56.9	2.361	3.350	3.7	19.9
5 1	13 57.54	−22 52.2	2.342	3.336	3.5	19.9
5 11	13 50.55	−21 40.6	2.352	3.321	5.8	20.0
5 21	13 44.75	−20 27.8	2.389	3.306	8.7	20.2
5 31	13 40.65	−19 19.0	2.450	3.291	11.5	20.3

192373 1996 BL_6 4 23.1 238.°25 0.°6/23.6 17

3 22	14 26.60	−15 38.8	2.060	2.911	12.1	20.8
4 1	14 21.12	−15 24.1	1.977	2.905	8.9	20.6
4 11	14 13.80	−14 59.3	1.919	2.899	5.1	20.4
4 21	14 5.33	−14 26.6	1.889	2.892	1.2	20.1
5 1	13 56.61	−13 49.9	1.886	2.886	3.1	20.2
5 11	13 48.58	−13 13.8	1.912	2.879	7.1	20.4
5 21	13 42.01	−12 43.0	1.963	2.872	10.7	20.6
5 31	13 37.47	−12 21.1	2.036	2.865	13.9	20.8

423793 2006 HQ_{17} 4 23.1 4.°01 8.°6/18.9 17

3 22	14 26.64	+ 5 50.6	1.178	2.070	16.3	19.4
4 1	14 21.85	+ 6 12.4	1.128	2.069	12.7	19.2
4 11	14 14.42	+ 6 20.8	1.100	2.069	9.6	19.0
4 21	14 5.44	+ 6 8.7	1.093	2.072	8.7	19.0
5 1	13 56.31	+ 5 31.4	1.109	2.076	10.7	19.1
5 11	13 48.47	+ 4 28.2	1.147	2.082	14.2	19.3
5 21	13 42.91	+ 3 2.6	1.205	2.090	17.8	19.5
5 31	13 40.25	+ 1 19.2	1.281	2.099	21.0	19.8

410215 2007 RG_{285} 4 23.1 299.°69 1.°1/23.7 17

3 22	14 29.38	−15 18.7	1.327	2.197	16.4	20.6
4 1	14 24.18	−15 27.0	1.242	2.179	12.2	20.3
4 11	14 16.02	−15 22.9	1.179	2.160	7.2	20.0
4 21	14 5.78	−15 7.8	1.139	2.142	1.9	19.6
5 1	13 54.81	−14 45.3	1.124	2.124	4.4	19.7
5 11	13 44.74	−14 21.7	1.133	2.106	10.0	19.9
5 21	13 36.88	−14 3.6	1.165	2.089	15.2	20.2
5 31	13 32.16	−13 56.6	1.215	2.072	19.7	20.4

214781 2006 UB_{85} 4 23.1 187.°40 1.°7/24.9 17

3 22	14 23.58	−21 0.0	2.468	3.300	11.0	20.3
4 1	14 18.67	−20 29.5	2.386	3.300	8.3	20.2
4 11	14 12.30	−19 46.1	2.329	3.299	5.2	20.0
4 21	14 5.06	−18 52.0	2.300	3.299	2.2	19.8
5 1	13 57.69	−17 50.9	2.299	3.298	2.8	19.8
5 11	13 50.93	−16 47.7	2.327	3.297	5.8	20.0
5 21	13 45.40	−15 47.5	2.383	3.296	8.9	20.2
5 31	13 41.55	−14 54.7	2.462	3.295	11.6	20.4

111218 2001 WF_{40} 4 23.1 202°.51 1°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.70	− 8 57.5	2.411	3.270	10.3	20.6
4 1	14 20.89	− 8 9.9	2.330	3.264	7.4	20.4
4 11	14 13.54	− 7 16.8	2.276	3.258	4.2	20.2
4 21	14 5.28	− 6 22.3	2.250	3.252	1.8	20.0
5 1	13 56.85	− 5 30.9	2.255	3.244	4.0	20.2
5 11	13 49.02	− 4 47.0	2.288	3.236	7.3	20.4
5 21	13 42.43	− 4 14.1	2.347	3.227	10.4	20.6
5 31	13 37.57	− 3 54.2	2.429	3.217	13.1	20.7

386205 2007 VC_{298} 4 23.1 130°.05 5°.0/17.5 18

3 22	14 24.59	+ 2 55.5	2.493	3.359	9.8	21.3
4 1	14 19.18	+ 3 56.3	2.442	3.371	7.4	21.1
4 11	14 12.49	+ 4 53.1	2.418	3.382	5.5	21.0
4 21	14 5.08	+ 5 40.9	2.422	3.393	5.2	21.0
5 1	13 57.66	+ 6 15.6	2.454	3.404	6.7	21.1
5 11	13 50.89	+ 6 34.7	2.513	3.414	8.9	21.3
5 21	13 45.31	+ 6 37.3	2.595	3.424	11.2	21.4
5 31	13 41.30	+ 6 24.0	2.698	3.433	13.2	21.6

6163 Reimers 4 23.1 218°.23 0°.4/23.4 18 A

3 22	14 28.67	−21 35.3	1.248	2.107	17.9	17.3
4 1	14 23.49	−19 36.9	1.171	2.101	13.3	17.0
4 11	14 15.45	−17 5.0	1.115	2.096	7.7	16.7
4 21	14 5.64	−14 7.5	1.085	2.089	1.6	16.3
5 1	13 55.55	−10 59.9	1.083	2.082	4.9	16.5
5 11	13 46.74	− 8 1.0	1.107	2.075	11.0	16.8
5 21	13 40.35	− 5 26.4	1.155	2.067	16.4	17.1
5 31	13 37.05	− 3 25.5	1.223	2.058	20.9	17.3

485126 2010 MA_{46} 4 23.1 299°.69 12°.3/ 3.1 18

3 22	14 32.88	−48 58.8	2.329	2.982	16.4	20.3
4 1	14 26.78	−50 17.7	2.215	2.950	15.2	20.1
4 11	14 17.62	−51 12.9	2.119	2.918	14.0	20.0
4 21	14 6.10	−51 38.2	2.042	2.886	12.9	19.8
5 1	13 53.50	−51 29.3	1.987	2.854	12.4	19.7
5 11	13 41.45	−50 46.5	1.953	2.822	12.6	19.7
5 21	13 31.44	−49 35.1	1.942	2.790	13.6	19.7
5 31	13 24.57	−48 3.6	1.951	2.758	15.2	19.7

105747 2000 SA_{93} 4 23.1 300°.57 0°.1/22.9 18

3 22	14 22.11	−16 33.5	2.052	2.908	11.9	19.6
4 1	14 17.90	−15 26.4	1.963	2.894	8.7	19.4
4 11	14 12.00	−14 5.0	1.899	2.880	4.9	19.1
4 21	14 5.03	−12 33.6	1.862	2.866	0.8	18.8
5 1	13 57.84	−10 58.7	1.854	2.853	3.4	18.9
5 11	13 51.30	− 9 27.6	1.874	2.839	7.4	19.2
5 21	13 46.13	− 8 6.9	1.920	2.825	11.2	19.4
5 31	13 42.84	− 7 1.6	1.988	2.812	14.4	19.5

438405 2006 UY_{254} 4 23.1 198°.89 0°.5/23.7 17

3 22	14 23.28	−17 8.0	2.442	3.288	10.7	21.7
4 1	14 18.45	−16 28.0	2.362	3.287	7.8	21.5
4 11	14 12.18	−15 37.3	2.307	3.285	4.5	21.3
4 21	14 5.06	−14 38.8	2.280	3.284	1.1	21.0
5 1	13 57.80	−13 36.8	2.282	3.282	2.7	21.2
5 11	13 51.15	−12 36.2	2.313	3.280	6.1	21.4
5 21	13 45.70	−11 41.5	2.371	3.277	9.3	21.6
5 31	13 41.90	−10 56.5	2.452	3.275	12.0	21.7

421568 2014 OD_{193} 4 23.1 247°.55 4°.2/19.8 16

3 22	14 28.56	− 4 52.4	1.643	2.518	13.4	21.9
4 1	14 22.91	− 3 48.3	1.563	2.504	9.8	21.6
4 11	14 14.98	− 2 39.5	1.507	2.488	6.0	21.3
4 21	14 5.58	− 1 32.8	1.478	2.472	4.3	21.2
5 1	13 55.80	− 0 35.8	1.475	2.456	7.0	21.3
5 11	13 46.84	+ 0 4.8	1.499	2.439	11.1	21.5
5 21	13 39.64	+ 0 25.3	1.545	2.421	15.0	21.7
5 31	13 34.89	+ 0 24.3	1.610	2.403	18.5	21.9

417433 2006 KM_{73} 4 23.1 236°.07 3°.2/20.1 16

3 22	14 27.41	− 7 14.3	1.882	2.751	12.3	22.1
4 1	14 21.83	− 6 1.2	1.798	2.737	8.8	21.9
4 11	14 14.27	− 4 41.0	1.740	2.722	5.2	21.6
4 21	14 5.45	− 3 19.9	1.709	2.706	3.3	21.4
5 1	13 56.32	− 2 5.2	1.707	2.690	5.9	21.6
5 11	13 47.91	− 1 3.6	1.732	2.673	9.8	21.8
5 21	13 41.04	− 0 19.8	1.780	2.655	13.5	22.0
5 31	13 36.33	+ 0 4.0	1.850	2.636	16.7	22.1

113976 2002 UM_{19} 4 23.1 128°.34 1°.6/21.3 18

3 22	14 24.63	− 9 12.6	2.538	3.398	9.8	19.9
4 1	14 19.23	− 8 27.3	2.476	3.411	7.0	19.8
4 11	14 12.53	− 7 37.7	2.442	3.424	3.9	19.6
4 21	14 5.12	− 6 47.5	2.435	3.437	1.6	19.4
5 1	13 57.67	− 6 0.6	2.459	3.449	3.7	19.6
5 11	13 50.86	− 5 21.1	2.511	3.461	6.7	19.8
5 21	13 45.23	− 4 51.5	2.590	3.472	9.5	20.0
5 31	13 41.17	− 4 33.8	2.691	3.483	11.9	20.2

519667 2012 XG_{159} 4 23.1 202°.79 3°.9/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.21	−26 24.3	2.468	3.273	11.9	22.0
4 1	14 20.70	−26 33.6	2.382	3.271	9.4	21.8
4 11	14 13.52	−26 28.2	2.320	3.269	6.7	21.6
4 21	14 5.31	−26 8.2	2.285	3.267	4.4	21.5
5 1	13 56.87	−25 35.3	2.277	3.265	4.2	21.4
5 11	13 49.06	−24 53.5	2.298	3.263	6.2	21.6
5 21	13 42.57	−24 7.7	2.345	3.260	9.0	21.7
5 31	13 37.92	−23 23.0	2.416	3.258	11.6	21.9

110381 2001 SJ_{345} 4 23.1 70°.21 9°.0/16.0 18

3 22	14 27.48	+ 8 44.0	1.615	2.488	13.8	18.5
4 1	14 21.77	+10 1.9	1.577	2.500	11.1	18.4
4 11	14 14.11	+11 7.5	1.563	2.512	9.3	18.3
4 21	14 5.39	+11 52.8	1.573	2.525	9.3	18.3
5 1	13 56.71	+12 12.3	1.607	2.537	11.0	18.4
5 11	13 49.12	+12 4.2	1.665	2.550	13.6	18.6
5 21	13 43.34	+11 30.2	1.742	2.562	16.1	18.8
5 31	13 39.86	+10 33.9	1.837	2.575	18.4	19.0

68666 2002 CN_{104} 4 23.1 353°.70 9°.6/15.2 18

3 22	14 23.98	+ 4 12.7	1.255	2.149	15.4	17.8
4 1	14 19.85	+ 6 16.4	1.206	2.147	12.1	17.6
4 11	14 13.29	+ 8 13.8	1.180	2.145	9.8	17.5
4 21	14 5.29	+ 9 52.1	1.178	2.143	10.0	17.5
5 1	13 57.12	+11 0.3	1.198	2.142	12.6	17.6
5 11	13 50.08	+11 32.8	1.239	2.142	16.0	17.8
5 21	13 45.12	+11 29.6	1.299	2.142	19.3	18.0
5 31	13 42.81	+10 54.4	1.373	2.143	22.2	18.2

384978 2012 TK_{173} 4 23.1 208°.61 0°.5/23.6 17

3 22	14 25.63	−15 54.2	2.237	3.086	11.4	22.2
4 1	14 20.28	−15 32.1	2.156	3.083	8.3	22.0
4 11	14 13.28	−15 0.1	2.100	3.080	4.8	21.8
4 21	14 5.28	−14 20.8	2.072	3.076	1.1	21.5
5 1	13 57.09	−13 37.8	2.073	3.072	2.9	21.6
5 11	13 49.55	−12 55.9	2.102	3.069	6.6	21.8
5 21	13 43.35	−12 19.3	2.157	3.065	10.0	22.0
5 31	13 39.00	−11 51.7	2.235	3.060	12.9	22.2

259026 2002 TJ_{208} 4 23.1 186°.74 0°.5/23.6 17

3 22	14 26.83	−18 10.1	2.081	2.925	12.3	20.9
4 1	14 21.20	−17 10.3	2.001	2.925	9.0	20.6
4 11	14 13.80	−15 56.0	1.946	2.924	5.2	20.4
4 21	14 5.37	−14 31.1	1.919	2.923	1.2	20.1
5 1	13 56.79	−13 1.6	1.921	2.921	3.1	20.3
5 11	13 48.99	−11 34.6	1.953	2.918	7.1	20.5
5 21	13 42.68	−10 16.6	2.011	2.915	10.8	20.7
5 31	13 38.38	− 9 12.4	2.091	2.911	13.9	20.9

99964 1979 MJ_{6} 4 23.1 256°.79 1°.0/22.3 18

3 22	14 27.75	−12 9.3	1.793	2.657	13.1	21.1
4 1	14 22.25	−11 31.9	1.704	2.641	9.5	20.8
4 11	14 14.60	−10 44.5	1.640	2.623	5.3	20.5
4 21	14 5.54	− 9 51.0	1.602	2.606	1.2	20.2
5 1	13 56.08	− 8 56.9	1.592	2.588	4.3	20.4
5 11	13 47.33	− 8 8.6	1.608	2.569	8.8	20.6
5 21	13 40.22	− 7 31.5	1.650	2.551	12.9	20.8
5 31	13 35.42	− 7 9.2	1.711	2.531	16.5	21.0

437239 2012 XB_{22} 4 23.1 19°.58 5°.1/18.9 17

3 22	14 26.73	+ 2 6.4	2.131	2.999	11.1	20.7
4 1	14 20.99	+ 2 38.6	2.068	3.000	8.3	20.5
4 11	14 13.64	+ 3 6.3	2.030	3.000	5.9	20.4
4 21	14 5.34	+ 3 25.2	2.020	3.001	5.1	20.3
5 1	13 56.93	+ 3 31.2	2.037	3.001	6.8	20.4
5 11	13 49.26	+ 3 22.0	2.081	3.002	9.5	20.6
5 21	13 42.98	+ 2 57.2	2.149	3.002	12.3	20.8
5 31	13 38.56	+ 2 17.6	2.237	3.003	14.7	21.0

166572 2002 RU_{120} 4 23.1 137°.35 1°.4/24.4 18

3 22	14 26.24	−18 41.2	2.319	3.157	11.4	20.6
4 1	14 20.63	−18 26.6	2.246	3.165	8.5	20.4
4 11	14 13.43	−18 0.9	2.198	3.172	5.1	20.2
4 21	14 5.30	−17 26.0	2.178	3.179	1.9	20.0
5 1	13 57.06	−16 45.3	2.187	3.186	2.8	20.1
5 11	13 49.52	−16 3.3	2.224	3.192	6.2	20.3
5 21	13 43.34	−15 24.4	2.287	3.198	9.4	20.5
5 31	13 38.97	−14 52.3	2.375	3.204	12.1	20.7

93745 2000 VQ_{57} 4 23.1 146°.72 1°.4/24.3 18

3 22	14 27.01	−18 40.5	2.075	2.917	12.4	20.1
4 1	14 21.34	−18 20.6	2.002	2.922	9.2	19.9
4 11	14 13.89	−17 48.2	1.953	2.928	5.6	19.6
4 21	14 5.39	−17 5.6	1.931	2.933	2.0	19.4
5 1	13 56.75	−16 16.7	1.938	2.938	3.1	19.5
5 11	13 48.89	−15 26.8	1.973	2.942	6.8	19.7
5 21	13 42.55	−14 41.2	2.034	2.947	10.3	19.9
5 31	13 38.23	−14 4.2	2.118	2.951	13.3	20.2

13252 1998 ON_1 4 23.1 225°.56 0°.9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.06	−12 28.6	2.454	3.308	10.3	19.3
4 1	14 19.76	−11 41.0	2.365	3.297	7.4	19.1
4 11	14 12.96	−10 45.4	2.303	3.286	4.1	18.9
4 21	14 5.24	− 9 45.1	2.270	3.274	1.0	18.6
5 1	13 57.31	− 8 44.6	2.266	3.261	3.3	18.8
5 11	13 49.94	− 7 49.0	2.291	3.248	6.8	19.0
5 21	13 43.76	− 7 2.3	2.343	3.234	10.0	19.1
5 31	13 39.25	− 6 27.5	2.417	3.220	12.8	19.3

345630 2006 SJ_{310} 4 23.1 12°.44 0°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.72	−14 40.0	2.075	2.935	11.7	20.4
4 1	14 18.24	−13 45.5	2.001	2.936	8.4	20.2
4 11	14 12.14	−12 40.1	1.953	2.936	4.7	20.0
4 21	14 5.09	−11 28.3	1.933	2.937	0.8	19.7
5 1	13 57.91	−10 15.7	1.940	2.938	3.4	19.9
5 11	13 51.45	− 9 8.3	1.976	2.939	7.2	20.1
5 21	13 46.35	− 8 11.3	2.037	2.940	10.7	20.4
5 31	13 43.09	− 7 28.2	2.120	2.942	13.7	20.6

472486 2015 CH_5 4 23.1 72°.99 2°.8/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.10	− 7 34.1	1.706	2.582	13.0	21.1
4 1	14 20.80	− 6 41.9	1.651	2.593	9.2	20.9
4 11	14 13.60	− 5 45.0	1.620	2.604	5.3	20.7
4 21	14 5.34	− 4 49.3	1.616	2.616	2.8	20.5
5 1	13 57.03	− 4 0.9	1.639	2.627	5.4	20.7
5 11	13 49.67	− 3 25.1	1.688	2.639	9.3	21.0
5 21	13 44.01	− 3 5.0	1.761	2.651	12.8	21.2
5 31	13 40.54	− 3 2.0	1.854	2.662	15.8	21.4

175577 2006 TK_{75} 4 23.1 220°.32 2°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.65	− 6 10.7	2.378	3.246	10.1	20.7
4 1	14 18.71	− 5 22.9	2.304	3.242	7.2	20.5
4 11	14 12.35	− 4 32.0	2.257	3.239	4.2	20.3
4 21	14 5.13	− 3 42.4	2.237	3.235	2.6	20.2
5 1	13 57.77	− 2 58.4	2.247	3.230	4.6	20.3
5 11	13 51.00	− 2 24.2	2.284	3.226	7.7	20.5
5 21	13 45.42	− 2 2.3	2.346	3.222	10.6	20.7
5 31	13 41.48	− 1 54.1	2.430	3.217	13.1	20.8

166250 2002 GG_{23} 4 23.1 20°.93 0°.5/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.12	−16 58.1	1.149	2.030	17.5	19.0
4 1	14 20.21	−16 12.4	1.092	2.035	12.8	18.7
4 11	14 13.59	−15 7.3	1.057	2.041	7.3	18.4
4 21	14 5.36	−13 48.6	1.044	2.048	1.5	18.0
5 1	13 56.96	−12 25.8	1.055	2.056	4.5	18.3
5 11	13 49.86	−11 9.7	1.089	2.064	10.1	18.6
5 21	13 45.09	−10 9.0	1.145	2.073	15.0	18.9
5 31	13 43.25	− 9 28.8	1.219	2.083	19.1	19.2

175319 2005 ML_{32} 4 23.1 257°.76 1°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.59	− 8 45.4	2.350	3.211	10.4	20.4
4 1	14 20.20	− 8 24.4	2.265	3.201	7.5	20.1
4 11	14 13.24	− 7 59.4	2.207	3.190	4.2	19.9
4 21	14 5.30	− 7 33.2	2.176	3.179	1.5	19.7
5 1	13 57.13	− 7 9.4	2.175	3.167	3.8	19.8
5 11	13 49.53	− 6 51.6	2.201	3.156	7.2	20.0
5 21	13 43.15	− 6 42.4	2.254	3.145	10.4	20.2
5 31	13 38.51	− 6 43.7	2.329	3.133	13.1	20.4

248525 2005 WA_{105} 4 23.1 233°.82 3°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.88	+ 0 5.9	2.823	3.687	8.8	21.2
4 1	14 18.72	+ 0 49.7	2.744	3.675	6.5	21.0
4 11	14 12.30	+ 1 32.3	2.692	3.663	4.5	20.9
4 21	14 5.13	+ 2 9.6	2.669	3.651	3.9	20.8
5 1	13 57.80	+ 2 38.2	2.674	3.638	5.4	20.9
5 11	13 50.94	+ 2 55.3	2.708	3.625	7.7	21.0
5 21	13 45.08	+ 2 59.3	2.767	3.612	10.1	21.1
5 31	13 40.63	+ 2 49.8	2.847	3.598	12.2	21.3

410712 2009 BO_{30} 4 23.1 298°.42 5°.8/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.06	− 2 14.3	1.345	2.234	15.0	20.5
4 1	14 22.14	− 1 8.4	1.277	2.222	11.0	20.3
4 11	14 14.68	− 0 1.0	1.231	2.211	7.3	20.0
4 21	14 5.58	+ 0 59.3	1.209	2.200	5.9	19.9
5 1	13 56.11	+ 1 43.8	1.213	2.189	8.7	20.0
5 11	13 47.65	+ 2 6.0	1.239	2.179	12.9	20.2
5 21	13 41.24	+ 2 3.3	1.286	2.168	17.1	20.4
5 31	13 37.60	+ 1 36.1	1.350	2.158	20.7	20.6

243275 2008 CN_{18} 4 23.1 9°.50 12°.5/ 6.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.20	−50 33.3	2.240	2.884	17.2	20.0
4 1	14 26.89	−51 56.9	2.161	2.884	15.9	19.8
4 11	14 17.56	−52 53.7	2.100	2.886	14.5	19.7
4 21	14 6.11	−53 18.1	2.057	2.887	13.3	19.6
5 1	13 53.99	−53 7.4	2.034	2.889	12.6	19.6
5 11	13 42.85	−52 23.9	2.033	2.891	12.6	19.6
5 21	13 34.04	−51 13.9	2.053	2.893	13.3	19.6
5 31	13 28.45	−49 46.6	2.093	2.896	14.5	19.7

266302 2007 CG 4 23.1 162°.26 1°.8/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.45	− 9 22.0	2.241	3.100	11.0	21.9
4 1	14 21.45	− 8 35.1	2.173	3.107	7.8	21.7
4 11	14 13.88	− 7 42.7	2.131	3.113	4.4	21.5
4 21	14 5.41	− 6 49.0	2.117	3.119	1.8	21.3
5 1	13 56.84	− 5 58.7	2.133	3.124	4.1	21.5
5 11	13 49.01	− 5 16.5	2.177	3.128	7.5	21.7
5 21	13 42.55	− 4 45.7	2.248	3.131	10.7	21.9
5 31	13 37.91	− 4 28.3	2.340	3.134	13.4	22.1

214981 2008 AP_{72} 4 23.1 279°.82 8°.1/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.56	+12 1.4	2.248	3.104	11.1	19.8
4 1	14 19.44	+13 9.7	2.190	3.096	9.3	19.7
4 11	14 12.79	+14 7.3	2.157	3.088	8.2	19.6
4 21	14 5.22	+14 48.3	2.149	3.080	8.4	19.6
5 1	13 57.53	+15 8.0	2.167	3.072	9.9	19.7
5 11	13 50.51	+15 4.5	2.209	3.064	11.9	19.8
5 21	13 44.78	+14 38.2	2.272	3.056	14.0	19.9
5 31	13 40.81	+13 51.4	2.353	3.048	15.9	20.0

483735 2005 TO_{180} 4 23.1 86°.60 7°.6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 48.42	−20 41.2	1.039	1.884	21.8	21.0
4 1	14 39.00	−23 4.6	0.978	1.892	17.1	20.7
4 11	14 24.90	−25 15.2	0.938	1.901	12.0	20.5
4 21	14 7.46	−27 1.7	0.922	1.909	8.1	20.3
5 1	13 49.05	−28 16.2	0.931	1.918	8.7	20.4
5 11	13 32.41	−28 59.9	0.964	1.926	13.0	20.6
5 21	13 19.61	−29 21.3	1.019	1.934	17.7	20.9
5 31	13 11.70	−29 32.5	1.092	1.942	21.9	21.2

63865 2001 RC_{109} 4 23.1 128°.69 0°.4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.25	−15 31.0	2.205	3.056	11.5	19.8
4 1	14 19.99	−15 10.1	2.131	3.059	8.3	19.6
4 11	14 13.12	−14 39.9	2.083	3.062	4.8	19.4
4 21	14 5.29	−14 2.8	2.062	3.066	1.0	19.2
5 1	13 57.32	−13 22.7	2.069	3.069	2.9	19.3
5 11	13 50.04	−12 44.1	2.105	3.071	6.6	19.6
5 21	13 44.12	−12 11.1	2.166	3.074	9.9	19.8
5 31	13 40.04	−11 47.1	2.250	3.077	12.8	20.0

464707 2002 QD_{86} 4 23.1 232°.30 0°.6/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.51	−16 22.0	1.955	2.804	12.8	22.1
4 1	14 22.67	−15 55.5	1.866	2.792	9.4	21.9
4 11	14 14.80	−15 16.6	1.801	2.780	5.5	21.6
4 21	14 5.61	−14 28.0	1.763	2.766	1.3	21.3
5 1	13 56.09	−13 34.2	1.753	2.753	3.4	21.4
5 11	13 47.27	−12 41.0	1.772	2.738	7.6	21.7
5 21	13 40.02	−11 54.1	1.815	2.723	11.6	21.9
5 31	13 34.96	−11 18.2	1.881	2.707	15.0	22.1

208352 2001 RC_{24} 4 23.1 173°.51 1°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.33	−10 33.6	2.826	3.680	9.1	21.6
4 1	14 19.00	− 9 56.5	2.751	3.683	6.5	21.4
4 11	14 12.45	− 9 14.5	2.703	3.686	3.6	21.2
4 21	14 5.18	− 8 30.5	2.684	3.688	1.1	21.0
5 1	13 57.81	− 7 48.0	2.696	3.689	3.1	21.2
5 11	13 50.98	− 7 10.4	2.736	3.690	6.0	21.4
5 21	13 45.19	− 6 40.7	2.804	3.690	8.7	21.6
5 31	13 40.84	− 6 20.7	2.895	3.690	11.0	21.7

271695 2004 RH_{140} 4 23.1 152°.05 1°.0/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.64	−12 41.4	1.920	2.783	12.4	21.3
4 1	14 20.43	−11 52.7	1.850	2.786	8.8	21.1
4 11	14 13.42	−10 54.6	1.805	2.789	4.9	20.8
4 21	14 5.36	− 9 51.7	1.787	2.791	1.1	20.6
5 1	13 57.16	− 8 49.5	1.798	2.794	3.9	20.8
5 11	13 49.76	− 7 54.2	1.836	2.796	7.9	21.0
5 21	13 43.90	− 7 10.4	1.898	2.798	11.5	21.2
5 31	13 40.07	− 6 41.2	1.982	2.800	14.6	21.4

106029 2000 SN_{299} 4 23.1 151°.46 2°.5/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.00	−22 0.0	2.551	3.373	11.0	20.4
4 1	14 20.42	−22 1.3	2.472	3.377	8.4	20.2
4 11	14 13.34	−21 50.8	2.417	3.381	5.5	20.0
4 21	14 5.34	−21 29.5	2.390	3.385	2.9	19.8
5 1	13 57.19	−20 59.6	2.393	3.388	3.1	19.9
5 11	13 49.65	−20 24.8	2.423	3.392	5.7	20.0
5 21	13 43.35	−19 49.4	2.481	3.395	8.6	20.2
5 31	13 38.77	−19 17.3	2.563	3.397	11.2	20.4

167766 2004 XS_{186} 4 23.1 197°.77 2°.0/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.21	− 9 34.7	1.851	2.715	12.7	21.5
4 1	14 23.10	− 8 47.1	1.776	2.712	9.1	21.2
4 11	14 14.99	− 7 52.3	1.725	2.709	5.1	21.0
4 21	14 5.64	− 6 55.1	1.703	2.705	2.0	20.8
5 1	13 56.08	− 6 1.4	1.708	2.700	4.8	20.9
5 11	13 47.34	− 5 16.9	1.741	2.694	8.9	21.2
5 21	13 40.25	− 4 46.0	1.799	2.688	12.6	21.4
5 31	13 35.40	− 4 31.1	1.877	2.681	15.8	21.6

359992 2012 VW_{84} 4 23.1 151°.12 1°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.41	−19 51.1	2.844	3.672	9.8	21.6
4 1	14 19.11	−19 34.3	2.767	3.679	7.3	21.5
4 11	14 12.52	−19 7.6	2.716	3.686	4.5	21.3
4 21	14 5.20	−18 32.5	2.693	3.692	1.9	21.1
5 1	13 57.77	−17 51.9	2.699	3.698	2.4	21.2
5 11	13 50.91	−17 9.4	2.736	3.703	5.2	21.4
5 21	13 45.13	−16 28.6	2.799	3.709	7.9	21.5
5 31	13 40.84	−15 53.1	2.887	3.713	10.3	21.7

61982 2000 RL_{30} 4 23.1 150°.45 6°.0/29.4 18

3 22	14 28.21	−33 54.9	2.610	3.368	12.5	19.2
4 1	14 22.19	−34 23.4	2.527	3.372	10.5	19.0
4 11	14 14.41	−34 34.2	2.466	3.376	8.3	18.9
4 21	14 5.54	−34 26.0	2.431	3.380	6.6	18.8
5 1	13 56.43	−33 59.6	2.423	3.384	6.0	18.7
5 11	13 47.99	−33 18.5	2.442	3.388	7.1	18.8
5 21	13 40.95	−32 27.6	2.487	3.391	9.0	18.9
5 31	13 35.86	−31 32.8	2.557	3.394	11.1	19.1

83163 2001 QJ_{276} 4 23.1 129°.05 1°.2/24.1 18

3 22	14 27.76	−16 48.9	2.321	3.162	11.3	19.6
4 1	14 21.74	−16 52.2	2.248	3.169	8.3	19.4
4 11	14 14.10	−16 46.6	2.200	3.176	5.0	19.2
4 21	14 5.48	−16 33.3	2.180	3.182	1.7	19.0
5 1	13 56.71	−16 14.9	2.189	3.189	2.8	19.1
5 11	13 48.63	−15 54.9	2.227	3.195	6.2	19.3
5 21	13 41.92	−15 37.1	2.292	3.201	9.4	19.6
5 31	13 37.06	−15 24.6	2.379	3.206	12.2	19.7

188806 2005 WF_{103} 4 23.1 256°.27 2°.7/20.7 17

3 22	14 26.45	− 7 56.0	1.946	2.815	12.0	20.7
4 1	14 21.15	− 6 59.9	1.858	2.797	8.6	20.5
4 11	14 13.93	− 5 57.2	1.796	2.779	5.0	20.2
4 21	14 5.47	− 4 52.9	1.761	2.761	2.7	20.0
5 1	13 56.68	− 3 53.2	1.754	2.742	5.2	20.1
5 11	13 48.54	− 3 4.2	1.774	2.722	9.1	20.3
5 21	13 41.86	− 2 30.1	1.819	2.702	12.8	20.5
5 31	13 37.26	− 2 13.3	1.884	2.682	16.0	20.7

407733 2011 UO_{346} 4 23.1 128°.27 1°.7/21.9 18

3 22	14 30.59	−10 15.1	1.518	2.389	14.6	21.4
4 1	14 24.33	− 9 45.2	1.457	2.396	10.5	21.2
4 11	14 15.74	− 9 7.6	1.420	2.404	5.8	20.9
4 21	14 5.78	− 8 27.1	1.408	2.411	1.7	20.7
5 1	13 55.69	− 7 49.6	1.423	2.418	4.9	20.9
5 11	13 46.69	− 7 21.0	1.464	2.425	9.5	21.2
5 21	13 39.73	− 7 5.3	1.529	2.431	13.7	21.4
5 31	13 35.38	− 7 4.7	1.613	2.437	17.1	21.7

485180 2010 ST_{38} 4 23.1 79°.08 5°.2/18.5 18

3 22	14 25.92	−12 15.6	1.014	1.908	18.2	20.7
4 1	14 21.55	− 8 57.6	0.965	1.917	12.8	20.4
4 11	14 14.33	− 5 17.9	0.939	1.927	7.3	20.1
4 21	14 5.53	− 1 36.8	0.939	1.936	5.4	20.0
5 1	13 56.74	+ 1 42.6	0.965	1.946	9.8	20.3
5 11	13 49.47	+ 4 22.4	1.015	1.955	15.1	20.6
5 21	13 44.74	+ 6 15.1	1.084	1.964	19.7	20.9
5 31	13 43.04	+ 7 21.3	1.169	1.974	23.4	21.2

150520 Dong 4 23.1 328°.47 0°.2/22.9 17

3 22	14 26.65	−13 18.8	1.534	2.405	14.5	20.0
4 1	14 21.69	−13 6.4	1.458	2.397	10.5	19.8
4 11	14 14.39	−12 43.6	1.406	2.389	6.0	19.5
4 21	14 5.57	−12 13.8	1.378	2.382	1.0	19.1
5 1	13 56.40	−11 41.8	1.377	2.376	4.1	19.3
5 11	13 48.13	−11 13.4	1.401	2.370	8.9	19.6
5 21	13 41.74	−10 53.8	1.448	2.364	13.3	19.8
5 31	13 37.91	−10 46.7	1.515	2.359	17.1	20.1

79030 2027 $T\text{-}_{2}$ 4 23.1 127°.93 1°.0/23.9 18

3 22	14 30.10	−17 13.2	1.830	2.677	13.6	20.5
4 1	14 23.67	−16 50.5	1.766	2.691	10.0	20.3
4 11	14 15.25	−16 15.2	1.727	2.705	5.8	20.1
4 21	14 5.69	−15 30.1	1.715	2.718	1.6	19.9
5 1	13 56.06	−14 40.0	1.731	2.730	3.3	20.0
5 11	13 47.41	−13 50.9	1.774	2.742	7.5	20.3
5 21	13 40.53	−13 8.2	1.843	2.753	11.3	20.5
5 31	13 35.96	−12 36.2	1.934	2.764	14.5	20.8

306028 2010 ER_{80} 4 23.1 276°.07 4°.1/20.1 17

3 22	14 27.20	− 7 13.5	1.396	2.279	14.8	21.0
4 1	14 22.34	− 5 57.8	1.314	2.260	10.8	20.7
4 11	14 14.88	− 4 32.2	1.255	2.240	6.4	20.4
4 21	14 5.68	− 3 4.9	1.221	2.219	4.1	20.2
5 1	13 55.96	− 1 45.7	1.213	2.199	7.4	20.4
5 11	13 47.10	− 0 43.8	1.229	2.178	12.2	20.6
5 21	13 40.24	− 0 5.3	1.267	2.157	16.8	20.8
5 31	13 36.14	+ 0 7.4	1.322	2.136	20.7	21.0

31350 1998 SF_{2} 4 23.1 253°.13 3°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.17	− 6 3.1	1.591	2.464	13.9	19.3
4 1	14 24.25	− 5 10.9	1.506	2.446	10.1	19.0
4 11	14 15.87	− 4 13.0	1.444	2.427	6.0	18.7
4 21	14 5.85	− 3 15.6	1.409	2.407	3.7	18.5
5 1	13 55.33	− 2 25.8	1.401	2.387	6.6	18.6
5 11	13 45.61	− 1 50.5	1.419	2.365	11.0	18.8
5 21	13 37.74	− 1 33.9	1.459	2.344	15.3	19.0
5 31	13 32.47	− 1 37.6	1.519	2.321	19.0	19.2

268393 2005 UU_{146} 4 23.1 186°.89 0°.8/23.7 17

3 22	14 27.88	−16 9.0	1.816	2.670	13.4	20.9
4 1	14 22.24	−15 55.9	1.741	2.670	9.8	20.7
4 11	14 14.54	−15 31.2	1.691	2.670	5.7	20.4
4 21	14 5.59	−14 57.5	1.666	2.670	1.5	20.1
5 1	13 56.39	−14 18.8	1.669	2.669	3.4	20.3
5 11	13 48.04	−13 40.7	1.700	2.669	7.7	20.5
5 21	13 41.38	−13 8.3	1.755	2.668	11.6	20.8
5 31	13 36.99	−12 45.8	1.832	2.667	14.9	21.0

34405 2000 RU_{86} 4 23.1 347°.25 5°.4/26.7 17

3 22	14 28.06	−25 33.2	1.562	2.394	16.3	18.0
4 1	14 22.90	−26 5.1	1.486	2.391	12.9	17.8
4 11	14 15.16	−26 17.4	1.430	2.387	9.2	17.6
4 21	14 5.72	−26 8.7	1.398	2.385	6.1	17.4
5 1	13 55.85	−25 40.8	1.391	2.382	5.8	17.4
5 11	13 46.93	−24 59.2	1.410	2.380	8.8	17.5
5 21	13 40.08	−24 11.7	1.452	2.379	12.5	17.7
5 31	13 36.01	−23 26.2	1.514	2.378	16.1	18.0

522678 2016 HH_{25} 4 23.1 314°.73 2°.9/21.4 17

3 22	14 28.52	− 6 21.5	1.518	2.397	14.2	21.6
4 1	14 23.05	− 6 5.8	1.443	2.386	10.3	21.3
4 11	14 15.17	− 5 47.2	1.391	2.375	6.0	21.1
4 21	14 5.72	− 5 30.3	1.364	2.365	2.9	20.8
5 1	13 55.89	− 5 19.9	1.363	2.355	5.7	21.0
5 11	13 46.95	− 5 20.5	1.388	2.345	10.2	21.2
5 21	13 39.92	− 5 34.9	1.435	2.336	14.5	21.4
5 31	13 35.49	− 6 4.1	1.502	2.328	18.1	21.7

53602 2000 CL_{72} 4 23.1 180°.51 2°.3/24.6 18

3 22	14 31.21	−19 23.2	1.484	2.335	16.0	18.4
4 1	14 25.09	−19 20.6	1.412	2.336	12.0	18.1
4 11	14 16.34	−19 1.3	1.362	2.337	7.5	17.9
4 21	14 5.93	−18 26.8	1.336	2.337	3.0	17.6
5 1	13 55.19	−17 41.3	1.337	2.336	4.1	17.6
5 11	13 45.53	−16 52.2	1.364	2.336	8.8	17.9
5 21	13 38.04	−16 6.7	1.414	2.335	13.3	18.2
5 31	13 33.40	−15 31.3	1.485	2.334	17.1	18.4

285114 1995 OY_{16} 4 23.1 146°.42 3°.8/27.2 18

3 22	14 25.77	−27 23.9	2.542	3.341	11.7	21.3
4 1	14 20.30	−27 17.3	2.462	3.347	9.3	21.1
4 11	14 13.29	−26 55.0	2.406	3.353	6.6	20.9
4 21	14 5.37	−26 17.7	2.377	3.359	4.3	20.8
5 1	13 57.31	−25 28.0	2.376	3.364	4.0	20.8
5 11	13 49.92	−24 30.3	2.403	3.369	6.0	20.9
5 21	13 43.84	−23 29.8	2.458	3.374	8.6	21.1
5 31	13 39.53	−22 31.7	2.537	3.378	11.1	21.3

152037 2004 OQ_{11} 4 23.1 275°.20 10°.8/ 8.1 18

3 22	14 24.88	+24 28.5	2.459	3.268	11.8	19.6
4 1	14 19.67	+25 51.9	2.414	3.256	11.0	19.6
4 11	14 12.93	+26 57.3	2.392	3.243	10.9	19.5
4 21	14 5.30	+27 38.9	2.392	3.231	11.4	19.5
5 1	13 57.56	+27 52.8	2.415	3.219	12.5	19.6
5 11	13 50.48	+27 38.2	2.458	3.206	13.9	19.7
5 21	13 44.69	+26 57.0	2.519	3.194	15.3	19.8
5 31	13 40.64	+25 52.5	2.595	3.181	16.6	19.9

130542 2000 QZ_{215} 4 23.1 173°.89 0°.7/22.5 16

3 22	14 30.72	−12 19.9	2.025	2.878	12.3	21.4
4 1	14 24.02	−11 51.9	1.952	2.882	8.8	21.1
4 11	14 15.45	−11 15.9	1.904	2.886	4.9	20.9
4 21	14 5.75	−10 35.1	1.884	2.888	1.0	20.6
5 1	13 55.89	− 9 54.1	1.893	2.889	3.7	20.8
5 11	13 46.85	− 9 17.7	1.931	2.890	7.7	21.1
5 21	13 39.39	− 8 50.0	1.994	2.890	11.3	21.3
5 31	13 34.07	− 8 33.9	2.080	2.889	14.3	21.5

401151 2011 VP_{13} 4 23.1 249°.84 0°.2/23.2 17

3 22	14 29.27	−15 46.8	1.652	2.510	14.3	22.2
4 1	14 23.60	−15 8.0	1.561	2.493	10.5	21.9
4 11	14 15.51	−14 14.3	1.493	2.474	6.1	21.6
4 21	14 5.80	−13 8.9	1.451	2.456	1.1	21.2
5 1	13 55.60	−11 57.9	1.437	2.436	4.0	21.4
5 11	13 46.19	−10 49.3	1.450	2.416	9.0	21.6
5 21	13 38.60	− 9 50.4	1.486	2.395	13.6	21.8
5 31	13 33.58	− 9 6.9	1.543	2.374	17.5	22.0

376538 2012 TO_{146} 4 23.1 268°.95 1°.1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 20.59	−18 36.4	4.550	5.374	6.5	20.8
4 1	14 16.07	−18 43.3	4.457	5.367	4.8	20.7
4 11	14 10.74	−18 44.8	4.391	5.360	3.0	20.6
4 21	14 4.92	−18 41.8	4.355	5.353	1.3	20.4
5 1	13 58.98	−18 35.3	4.349	5.346	1.7	20.4
5 11	13 53.32	−18 26.9	4.373	5.339	3.5	20.6
5 21	13 48.26	−18 18.3	4.426	5.332	5.3	20.7
5 31	13 44.09	−18 11.1	4.505	5.326	7.0	20.8

126394 2002 BL_{3} 4 23.1 230°.31 3°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.81	− 4 31.5	2.326	3.187	10.6	19.8
4 1	14 22.56	− 3 58.9	2.239	3.173	7.7	19.6
4 11	14 14.62	− 3 24.7	2.179	3.158	4.6	19.4
4 21	14 5.62	− 2 52.7	2.147	3.143	3.0	19.2
5 1	13 56.35	− 2 26.9	2.144	3.127	5.0	19.4
5 11	13 47.66	− 2 11.0	2.170	3.110	8.2	19.5
5 21	13 40.25	− 2 7.2	2.222	3.092	11.3	19.7
5 31	13 34.67	− 2 16.7	2.295	3.074	14.1	19.8

73251 2002 JM_{42} 4 23.1 231°.87 0°.1/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.15	−15 15.9	1.795	2.652	13.4	19.9
4 1	14 22.54	−14 36.3	1.710	2.641	9.8	19.6
4 11	14 14.79	−13 43.7	1.649	2.631	5.6	19.3
4 21	14 5.67	−12 41.7	1.615	2.619	1.0	19.0
5 1	13 56.22	−11 36.1	1.609	2.607	3.7	19.2
5 11	13 47.56	−10 33.6	1.630	2.595	8.3	19.4
5 21	13 40.58	− 9 40.7	1.676	2.582	12.4	19.6
5 31	13 35.92	− 9 1.9	1.743	2.568	16.0	19.8

278090 2007 BL_{19} 4 23.1 87°.81 0°.6/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.58	−15 26.3	1.774	2.627	13.7	20.9
4 1	14 23.95	−15 12.4	1.723	2.651	9.9	20.7
4 11	14 15.37	−14 47.9	1.695	2.675	5.7	20.5
4 21	14 5.74	−14 15.6	1.695	2.699	1.3	20.3
5 1	13 56.14	−13 40.0	1.722	2.722	3.4	20.5
5 11	13 47.61	−13 6.4	1.777	2.745	7.5	20.8
5 21	13 40.92	−12 39.4	1.858	2.767	11.2	21.1
5 31	13 36.54	−12 22.3	1.960	2.789	14.3	21.3

396312 2014 DD_{34} 4 23.1 351°.91 0°.7/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.05	−12 5.5	1.882	2.750	12.4	20.6
4 1	14 19.41	−11 42.5	1.809	2.746	8.9	20.4
4 11	14 12.93	−11 11.7	1.760	2.744	5.0	20.1
4 21	14 5.33	−10 36.4	1.737	2.741	1.0	19.8
5 1	13 57.53	−10 1.2	1.742	2.739	3.7	20.0
5 11	13 50.48	− 9 31.1	1.773	2.738	7.8	20.3
5 21	13 44.92	− 9 9.9	1.829	2.737	11.5	20.5
5 31	13 41.41	− 9 0.5	1.906	2.737	14.6	20.7

383661 2007 TL_{133} 4 23.1 96°.99 0°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.78	−15 59.3	2.133	2.987	11.7	21.0
4 1	14 18.96	−15 9.3	2.063	2.993	8.4	20.8
4 11	14 12.57	−14 8.0	2.018	2.999	4.8	20.6
4 21	14 5.26	−12 59.4	2.000	3.004	0.9	20.3
5 1	13 57.86	−11 48.9	2.011	3.010	3.1	20.5
5 11	13 51.18	−10 42.3	2.050	3.016	6.9	20.8
5 21	13 45.88	− 9 44.6	2.115	3.021	10.3	21.0
5 31	13 42.41	− 8 59.6	2.203	3.027	13.1	21.2

313454 2002 RH_{266} 4 23.1 321°.30 1°.4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.33	−16 10.0	1.201	2.081	17.1	20.5
4 1	14 21.57	−16 13.5	1.114	2.054	12.8	20.2
4 11	14 14.77	−16 1.8	1.046	2.029	7.7	19.8
4 21	14 5.74	−15 36.4	1.000	2.004	2.2	19.4
5 1	13 55.86	−15 1.6	0.978	1.980	4.6	19.4
5 11	13 46.80	−14 25.2	0.979	1.956	10.6	19.7
5 21	13 40.01	−13 55.0	1.001	1.934	16.1	19.9
5 31	13 36.50	−13 38.0	1.040	1.914	21.0	20.1

160947 2002 AX_{59} 4 23.1 128°.05 3°.9/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.94	−24 9.1	1.626	2.456	15.8	20.0
4 1	14 24.67	−24 6.4	1.559	2.466	12.2	19.8
4 11	14 15.99	−23 43.6	1.513	2.476	8.2	19.5
4 21	14 5.88	−23 1.6	1.493	2.486	4.6	19.3
5 1	13 55.59	−22 4.5	1.499	2.494	4.6	19.4
5 11	13 46.41	−20 59.7	1.532	2.503	8.1	19.6
5 21	13 39.31	−19 55.3	1.589	2.511	12.0	19.8
5 31	13 34.89	−18 58.6	1.668	2.518	15.5	20.1

502947 2015 EP_{58} 4 23.1 37°.84 8°.7/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.16	+11 10.9	1.860	2.721	12.8	20.2
4 1	14 22.18	+12 1.0	1.813	2.725	10.5	20.0
4 11	14 14.39	+12 38.1	1.788	2.729	9.0	19.9
4 21	14 5.58	+12 56.0	1.789	2.734	8.9	19.9
5 1	13 56.74	+12 50.4	1.815	2.738	10.4	20.0
5 11	13 48.82	+12 20.4	1.865	2.743	12.7	20.2
5 21	13 42.56	+11 27.7	1.936	2.748	15.1	20.4
5 31	13 38.41	+10 15.8	2.026	2.753	17.2	20.5

414156 2007 XW_{5} 4 23.1 193°.58 3°.9/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.37	− 3 44.3	1.942	2.810	12.0	22.0
4 1	14 23.11	− 2 51.6	1.872	2.808	8.7	21.8
4 11	14 14.97	− 1 57.2	1.827	2.805	5.4	21.6
4 21	14 5.70	− 1 6.7	1.809	2.802	3.9	21.5
5 1	13 56.24	− 0 25.6	1.820	2.798	6.1	21.6
5 11	13 47.58	+ 0 1.3	1.858	2.793	9.6	21.8
5 21	13 40.49	+ 0 11.8	1.920	2.788	12.9	22.0
5 31	13 35.52	+ 0 5.1	2.003	2.782	15.8	22.2

377377 2004 RU_{203} 4 23.1 203°.63 4°.8/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.33	−29 7.3	2.413	3.201	12.6	22.0
4 1	14 23.09	−29 18.5	2.321	3.196	10.2	21.8
4 11	14 14.99	−29 12.7	2.253	3.191	7.6	21.6
4 21	14 5.71	−28 49.3	2.210	3.185	5.3	21.5
5 1	13 56.14	−28 9.9	2.196	3.178	4.9	21.4
5 11	13 47.23	−27 18.5	2.210	3.171	6.8	21.5
5 21	13 39.76	−26 20.8	2.251	3.163	9.4	21.7
5 31	13 34.32	−25 23.0	2.316	3.155	12.1	21.8

149210 2002 QR_{23} 4 23.1 162°.12 1°.4/21.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.48	−10 36.0	2.122	2.980	11.6	22.5
4 1	14 22.30	− 9 52.7	2.054	2.987	8.3	22.3
4 11	14 14.44	− 9 2.8	2.011	2.994	4.6	22.1
4 21	14 5.60	− 8 10.3	1.996	2.999	1.5	21.9
5 1	13 56.65	− 7 20.1	2.011	3.004	4.0	22.1
5 11	13 48.49	− 6 37.2	2.054	3.008	7.6	22.3
5 21	13 41.79	− 6 5.2	2.122	3.011	11.0	22.5
5 31	13 37.04	− 5 46.4	2.213	3.014	13.8	22.7

380323 2002 JN_{6} 4 23.1 326°.89 6°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.78	+ 2 56.5	1.619	2.500	13.3	20.3
4 1	14 20.86	+ 3 52.1	1.554	2.490	10.2	20.1
4 11	14 13.83	+ 4 42.6	1.511	2.481	7.5	19.9
4 21	14 5.51	+ 5 20.8	1.494	2.471	7.0	19.9
5 1	13 56.94	+ 5 40.4	1.502	2.463	9.1	19.9
5 11	13 49.22	+ 5 37.5	1.534	2.454	12.3	20.1
5 21	13 43.23	+ 5 11.7	1.587	2.446	15.6	20.3
5 31	13 39.56	+ 4 24.6	1.658	2.439	18.5	20.5

412298 2013 JC_{43} 4 23.1 348°.37 1°.6/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.76	−19 37.3	1.360	2.223	16.5	20.5
4 1	14 21.26	−18 56.2	1.289	2.221	12.3	20.2
4 11	14 14.22	−17 54.3	1.240	2.219	7.4	19.9
4 21	14 5.59	−16 35.4	1.215	2.218	2.4	19.6
5 1	13 56.68	−15 7.4	1.216	2.217	4.0	19.7
5 11	13 48.88	−13 40.3	1.242	2.216	9.2	20.0
5 21	13 43.21	−12 23.6	1.290	2.216	13.9	20.3
5 31	13 40.31	−11 24.2	1.358	2.216	18.0	20.5

58318 1994 PW_{37} 4 23.1 259°.54 1°.9/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.55	− 8 39.4	2.409	3.273	10.1	20.2
4 1	14 18.74	− 7 53.8	2.323	3.261	7.2	20.0
4 11	14 12.46	− 7 2.9	2.264	3.248	4.1	19.8
4 21	14 5.27	− 6 10.7	2.233	3.234	1.9	19.6
5 1	13 57.87	− 5 21.6	2.231	3.221	4.1	19.8
5 11	13 51.01	− 4 40.1	2.258	3.207	7.3	19.9
5 21	13 45.30	− 4 9.5	2.309	3.194	10.4	20.1
5 31	13 41.23	− 3 51.9	2.383	3.180	13.1	20.3

122862 2000 SJ_{134} 4 23.1 249°.95 2°.6/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 19.08	−28 20.3	4.727	5.506	7.0	20.3
4 1	14 15.03	−28 21.8	4.631	5.500	5.6	20.2
4 11	14 10.19	−28 14.6	4.559	5.494	4.1	20.1
4 21	14 4.86	−27 59.2	4.516	5.487	2.9	20.0
5 1	13 59.43	−27 36.7	4.501	5.481	2.7	19.9
5 11	13 54.28	−27 8.7	4.516	5.475	3.7	20.0
5 21	13 49.74	−26 37.6	4.559	5.468	5.1	20.1
5 31	13 46.12	−26 5.5	4.628	5.462	6.6	20.2

102315 1999 TT_{99} 4 23.1 153°.20 3°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.54	− 4 16.9	1.814	2.685	12.6	19.6
4 1	14 22.54	− 3 18.8	1.753	2.692	9.1	19.4
4 11	14 14.64	− 2 18.9	1.718	2.698	5.6	19.2
4 21	14 5.65	− 1 23.2	1.710	2.704	4.0	19.1
5 1	13 56.57	− 0 37.6	1.729	2.709	6.3	19.2
5 11	13 48.39	− 0 7.1	1.775	2.713	9.8	19.5
5 21	13 41.87	+ 0 6.0	1.845	2.717	13.2	19.7
5 31	13 37.53	+ 0 1.1	1.935	2.721	16.0	19.9

123816 2001 BU_{73} 4 23.1 169°.27 2°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.57	− 6 55.6	2.014	2.885	11.6	20.0
4 1	14 20.32	− 6 4.0	1.947	2.886	8.3	19.8
4 11	14 13.37	− 5 8.4	1.905	2.887	4.8	19.6
4 21	14 5.43	− 4 13.7	1.890	2.889	2.8	19.5
5 1	13 57.36	− 3 25.3	1.903	2.889	5.1	19.6
5 11	13 50.03	− 2 48.0	1.944	2.890	8.5	19.8
5 21	13 44.14	− 2 25.0	2.009	2.891	11.8	20.0
5 31	13 40.18	− 2 17.7	2.095	2.891	14.7	20.2

481821 2008 UE_{180} 4 23.1 173°.45 1°.0/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 20.60	−18 52.6	3.992	4.818	7.3	22.7
4 1	14 16.14	−18 33.7	3.908	4.820	5.4	22.5
4 11	14 10.81	−18 8.0	3.851	4.822	3.3	22.4
4 21	14 4.97	−17 36.9	3.823	4.824	1.3	22.2
5 1	13 59.06	−17 2.2	3.826	4.825	1.8	22.3
5 11	13 53.51	−16 26.5	3.859	4.826	3.9	22.4
5 21	13 48.67	−15 52.2	3.920	4.827	5.9	22.6
5 31	13 44.85	−15 21.6	4.007	4.827	7.8	22.7

100639 1997 VV_3 4 23.1 170°.91 4°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.42	− 1 1.4	2.091	2.955	11.5	19.8
4 1	14 23.71	− 0 33.4	2.025	2.958	8.4	19.6
4 11	14 15.25	− 0 7.5	1.985	2.961	5.4	19.4
4 21	14 5.77	+ 0 12.2	1.973	2.963	4.1	19.3
5 1	13 56.17	+ 0 21.7	1.990	2.964	6.0	19.4
5 11	13 47.36	+ 0 18.3	2.034	2.966	9.1	19.6
5 21	13 40.05	+ 0 0.9	2.103	2.966	12.1	19.8
5 31	13 34.76	− 0 30.2	2.193	2.967	14.8	20.0

133626 2003 UC_{130} 4 23.1 288°.93 4°.7/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.79	−27 32.4	1.934	2.748	14.3	19.7
4 1	14 20.94	−27 30.0	1.840	2.734	11.4	19.5
4 11	14 13.96	−27 7.4	1.768	2.719	8.3	19.3
4 21	14 5.57	−26 24.4	1.721	2.705	5.4	19.1
5 1	13 56.80	−25 23.5	1.700	2.690	5.0	19.0
5 11	13 48.76	−24 10.7	1.706	2.676	7.6	19.1
5 21	13 42.35	−22 53.6	1.738	2.662	11.0	19.3
5 31	13 38.25	−21 40.0	1.791	2.647	14.3	19.5

129134 2005 AC_5 4 23.1 279°.46 3°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 18.10	+ 4 20.4	4.336	5.197	6.1	19.4
4 1	14 14.28	+ 4 53.5	4.268	5.192	4.6	19.3
4 11	14 9.74	+ 5 23.5	4.227	5.187	3.6	19.2
4 21	14 4.79	+ 5 48.2	4.216	5.182	3.4	19.2
5 1	13 59.77	+ 6 5.6	4.233	5.177	4.3	19.3
5 11	13 55.05	+ 6 14.2	4.278	5.172	5.7	19.4
5 21	13 50.92	+ 6 13.4	4.348	5.167	7.2	19.5
5 31	13 47.65	+ 6 2.9	4.440	5.161	8.5	19.6

140033 2001 SK_{66} 4 23.1 11°.42 0°.6/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.11	−10 38.9	1.963	2.825	12.2	19.0
4 1	14 22.26	−10 44.7	1.891	2.826	8.8	18.7
4 11	14 14.53	−10 45.4	1.844	2.827	4.9	18.5
4 21	14 5.66	−10 43.4	1.824	2.828	0.9	18.2
5 1	13 56.57	−10 41.4	1.832	2.830	3.6	18.4
5 11	13 48.25	−10 42.6	1.868	2.832	7.5	18.7
5 21	13 41.48	−10 49.7	1.929	2.835	11.1	18.9
5 31	13 36.80	−11 4.9	2.013	2.837	14.2	19.1

364758 2007 WL_{18} 4 23.1 158°.77 3°.7/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.12	− 4 32.8	1.763	2.633	12.9	21.6
4 1	14 23.75	− 3 51.2	1.700	2.638	9.3	21.4
4 11	14 15.36	− 3 7.9	1.662	2.643	5.6	21.2
4 21	14 5.80	− 2 28.4	1.651	2.647	3.7	21.0
5 1	13 56.11	− 1 58.0	1.668	2.651	6.0	21.2
5 11	13 47.35	− 1 41.0	1.711	2.654	9.7	21.4
5 21	13 40.34	− 1 39.8	1.778	2.657	13.3	21.6
5 31	13 35.62	− 1 54.8	1.866	2.659	16.3	21.9

500531 2012 TH_{321} 4 23.1 108°.48 5°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.27	+ 3 1.3	2.559	3.425	9.6	21.5
4 1	14 18.96	+ 4 8.7	2.516	3.444	7.2	21.4
4 11	14 12.43	+ 5 11.7	2.500	3.463	5.4	21.3
4 21	14 5.26	+ 6 5.6	2.511	3.481	5.1	21.3
5 1	13 58.11	+ 6 46.2	2.552	3.499	6.6	21.5
5 11	13 51.61	+ 7 11.0	2.618	3.516	8.8	21.6
5 21	13 46.27	+ 7 19.2	2.709	3.533	10.9	21.8
5 31	13 42.44	+ 7 11.3	2.821	3.550	12.8	22.0

418977 2009 HM_{100} 4 23.1 314°.57 2°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.43	− 8 6.2	1.406	2.287	15.0	20.8
4 1	14 23.14	− 7 43.9	1.334	2.278	10.8	20.5
4 11	14 15.31	− 7 16.0	1.285	2.270	6.2	20.2
4 21	14 5.82	− 6 47.4	1.260	2.262	2.5	19.9
5 1	13 55.96	− 6 23.9	1.261	2.255	5.6	20.1
5 11	13 47.07	− 6 11.1	1.286	2.247	10.5	20.4
5 21	13 40.23	− 6 12.7	1.334	2.240	15.0	20.6
5 31	13 36.14	− 6 30.5	1.400	2.234	18.8	20.8

498025 2007 GF_5 4 23.1 21°.69 3°.3/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.56	− 9 2.9	1.324	2.215	15.0	20.3
4 1	14 18.73	− 7 43.5	1.272	2.222	10.6	20.0
4 11	14 12.67	− 6 15.5	1.243	2.230	6.0	19.8
4 21	14 5.33	− 4 47.7	1.239	2.239	3.3	19.6
5 1	13 57.90	− 3 29.5	1.259	2.249	6.5	19.9
5 11	13 51.58	− 2 29.3	1.304	2.260	10.9	20.1
5 21	13 47.21	− 1 51.4	1.370	2.271	15.0	20.4
5 31	13 45.30	− 1 37.2	1.455	2.284	18.4	20.7

160490 2007 BB_{45} 4 23.1 51°.33 4°.0/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.88	− 5 53.7	1.471	2.356	14.2	20.6
4 1	14 20.88	− 4 48.2	1.423	2.369	10.1	20.4
4 11	14 13.78	− 3 39.4	1.399	2.382	6.0	20.2
4 21	14 5.52	− 2 34.6	1.399	2.396	4.0	20.1
5 1	13 57.24	− 1 41.4	1.426	2.410	6.7	20.3
5 11	13 50.05	− 1 5.5	1.477	2.425	10.6	20.5
5 21	13 44.76	− 0 49.5	1.551	2.439	14.3	20.8
5 31	13 41.85	− 0 53.9	1.643	2.454	17.4	21.0

22223 3232 T_{-2} 4 23.1 319°.51 4°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.82	− 6 20.7	1.198	2.092	16.0	18.2
4 1	14 21.59	− 5 25.4	1.128	2.078	11.6	17.9
4 11	14 14.57	− 4 23.5	1.079	2.065	6.9	17.6
4 21	14 5.71	− 3 22.7	1.053	2.052	4.3	17.4
5 1	13 56.39	− 2 32.3	1.052	2.040	7.6	17.5
5 11	13 48.11	− 2 0.6	1.072	2.029	12.6	17.7
5 21	13 42.06	− 1 52.0	1.113	2.018	17.4	18.0
5 31	13 39.01	− 2 7.6	1.171	2.008	21.5	18.2

83600 Yuchunshun 4 23.1 262°.22 0°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.88	−13 58.0	2.294	3.148	11.0	20.0
4 1	14 19.83	−13 31.1	2.204	3.135	8.0	19.8
4 11	14 13.14	−12 55.7	2.140	3.121	4.5	19.5
4 21	14 5.43	−12 14.2	2.103	3.107	0.8	19.2
5 1	13 57.46	−11 30.7	2.095	3.093	3.1	19.4
5 11	13 50.05	−10 49.7	2.115	3.079	6.8	19.6
5 21	13 43.90	−10 15.3	2.161	3.065	10.2	19.8
5 31	13 39.52	− 9 50.9	2.230	3.050	13.1	19.9

12903 1998 RK_{57} 4 23.1 309°.40 1°.9/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.29	−11 1.1	1.374	2.256	15.1	17.3
4 1	14 21.07	−10 19.0	1.290	2.235	11.0	17.0
4 11	14 14.26	− 9 25.2	1.228	2.214	6.2	16.7
4 21	14 5.68	− 8 25.0	1.189	2.193	1.9	16.3
5 1	13 56.53	− 7 26.0	1.176	2.172	5.5	16.5
5 11	13 48.22	− 6 36.5	1.188	2.152	10.7	16.7
5 21	13 41.88	− 6 3.2	1.221	2.133	15.6	16.9
5 31	13 38.33	− 5 49.9	1.272	2.114	19.8	17.1

391025 2005 SA_{269} 4 23.1 288°.62 1°.3/21.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.43	−11 38.0	2.263	3.127	10.7	21.1
4 1	14 18.02	−10 43.1	2.182	3.119	7.6	20.9
4 11	14 12.09	− 9 40.2	2.127	3.111	4.2	20.7
4 21	14 5.24	− 8 33.5	2.100	3.103	1.3	20.5
5 1	13 58.23	− 7 28.0	2.101	3.095	3.7	20.6
5 11	13 51.80	− 6 29.3	2.131	3.087	7.2	20.8
5 21	13 46.60	− 5 41.5	2.186	3.080	10.5	21.0
5 31	13 43.10	− 5 7.6	2.263	3.072	13.3	21.2

276559 2003 SR_{185} 4 23.1 279°.87 1°.9/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.65	−19 49.9	1.899	2.744	13.3	20.9
4 1	14 20.72	−19 30.0	1.812	2.733	10.0	20.6
4 11	14 13.78	−18 55.0	1.749	2.723	6.2	20.4
4 21	14 5.56	−18 7.0	1.711	2.712	2.5	20.1
5 1	13 57.03	−17 10.0	1.701	2.701	3.4	20.1
5 11	13 49.21	−16 10.3	1.718	2.690	7.3	20.4
5 21	13 42.97	−15 14.2	1.760	2.679	11.2	20.6
5 31	13 38.91	−14 27.3	1.824	2.668	14.6	20.8

413305 2003 UE_{230} 4 23.1 183°.41 1°.7/21.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.99	−10 3.9	2.002	2.863	12.1	22.5
4 1	14 22.83	− 9 19.9	1.929	2.863	8.6	22.3
4 11	14 14.83	− 8 29.0	1.881	2.864	4.8	22.1
4 21	14 5.73	− 7 35.5	1.861	2.863	1.7	21.8
5 1	13 56.46	− 6 44.8	1.869	2.862	4.3	22.0
5 11	13 47.98	− 6 2.1	1.906	2.860	8.2	22.3
5 21	13 41.04	− 5 31.3	1.968	2.857	11.7	22.5
5 31	13 36.16	− 5 14.8	2.052	2.853	14.7	22.7

344380 2001 XO_{214} 4 23.1 152°.76 7°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.17	−43 15.1	2.870	3.557	13.0	20.7
4 1	14 22.12	−43 17.7	2.783	3.564	11.4	20.6
4 11	14 14.37	−42 58.2	2.716	3.570	9.7	20.5
4 21	14 5.64	−42 15.3	2.673	3.575	8.2	20.4
5 1	13 56.82	−41 10.2	2.655	3.581	7.4	20.3
5 11	13 48.79	−39 46.8	2.665	3.586	7.7	20.4
5 21	13 42.26	−38 11.0	2.701	3.590	8.9	20.4
5 31	13 37.70	−36 29.9	2.762	3.594	10.5	20.6

1454 Kalevala 4 23.1 70°.64 2°.7/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.29	−19 33.0	1.396	2.250	16.7	16.1
4 1	14 25.08	−19 40.3	1.341	2.266	12.5	15.9
4 11	14 16.29	−19 30.8	1.307	2.282	7.8	15.6
4 21	14 6.00	−19 5.9	1.298	2.298	3.3	15.4
5 1	13 55.60	−18 30.1	1.315	2.314	4.2	15.5
5 11	13 46.49	−17 50.4	1.357	2.330	8.7	15.8
5 21	13 39.68	−17 13.7	1.422	2.346	13.0	16.1
5 31	13 35.75	−16 46.0	1.508	2.363	16.6	16.3

411768 2012 BW_{132} 4 23.1 58°.19 2°.3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.21	− 9 50.6	1.332	2.213	15.6	20.9
4 1	14 22.72	− 9 4.7	1.286	2.230	11.1	20.7
4 11	14 14.87	− 8 11.1	1.262	2.248	6.1	20.4
4 21	14 5.74	− 7 16.3	1.263	2.266	2.3	20.2
5 1	13 56.62	− 6 27.6	1.290	2.284	5.5	20.5
5 11	13 48.78	− 5 51.6	1.341	2.302	10.1	20.8
5 21	13 43.09	− 5 32.2	1.414	2.320	14.3	21.1
5 31	13 40.05	− 5 30.9	1.507	2.339	17.8	21.4

508648 2017 TT_{11} 4 23.1 280°.41 1°.9/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.16	−19 47.0	1.758	2.606	14.0	21.4
4 1	14 21.25	−19 25.0	1.670	2.594	10.6	21.2
4 11	14 14.16	−18 46.6	1.606	2.581	6.5	20.9
4 21	14 5.65	−17 54.1	1.566	2.568	2.5	20.6
5 1	13 56.76	−16 51.8	1.554	2.554	3.5	20.6
5 11	13 48.64	−15 46.7	1.569	2.541	7.8	20.9
5 21	13 42.22	−14 46.0	1.608	2.528	12.0	21.1
5 31	13 38.16	−13 55.7	1.669	2.515	15.7	21.3

409851 2006 SU_{83} 4 23.1 151°.51 0°.9/22.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.65	−12 24.4	1.956	2.814	12.4	22.2
4 1	14 22.57	−11 46.7	1.889	2.822	8.9	22.0
4 11	14 14.67	−11 0.6	1.846	2.829	4.9	21.8
4 21	14 5.71	−10 9.9	1.832	2.836	1.1	21.5
5 1	13 56.64	− 9 19.8	1.846	2.842	3.8	21.8
5 11	13 48.42	− 8 35.7	1.888	2.848	7.8	22.0
5 21	13 41.78	− 8 1.7	1.955	2.853	11.4	22.2
5 31	13 37.25	− 7 40.7	2.044	2.858	14.4	22.4

27464 2000 GE_{59} 4 23.1 75°.50 0°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.01	−12 55.9	2.020	2.880	12.0	18.6
4 1	14 20.69	−12 35.1	1.951	2.885	8.6	18.4
4 11	14 13.62	−12 6.4	1.907	2.889	4.8	18.2
4 21	14 5.53	−11 32.9	1.889	2.893	0.8	17.9
5 1	13 57.29	−10 58.7	1.900	2.898	3.4	18.1
5 11	13 49.81	−10 28.2	1.938	2.902	7.3	18.4
5 21	13 43.80	−10 5.4	2.001	2.907	10.8	18.6
5 31	13 39.77	− 9 53.0	2.087	2.911	13.7	18.8

89932 2002 EV_{85} 4 23.1 184°.47 3°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.37	− 2 59.7	2.345	3.213	10.2	19.7
4 1	14 19.98	− 1 48.3	2.277	3.213	7.4	19.6
4 11	14 13.14	− 0 35.7	2.236	3.213	4.8	19.4
4 21	14 5.44	+ 0 32.9	2.223	3.212	3.9	19.3
5 1	13 57.63	+ 1 32.0	2.240	3.210	5.8	19.4
5 11	13 50.46	+ 2 17.3	2.284	3.208	8.6	19.6
5 21	13 44.53	+ 2 46.3	2.353	3.206	11.4	19.8
5 31	13 40.28	+ 2 58.3	2.443	3.203	13.8	20.0

426669 2013 TC_{9} 4 23.1 117°.35 4°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.24	− 2 40.0	2.135	3.007	10.9	21.2
4 1	14 19.90	− 1 20.0	2.084	3.021	7.9	21.1
4 11	14 13.07	+ 0 0.1	2.059	3.035	5.2	20.9
4 21	14 5.43	+ 1 14.4	2.062	3.049	4.4	20.9
5 1	13 57.78	+ 2 16.8	2.094	3.062	6.3	21.0
5 11	13 50.90	+ 3 3.1	2.152	3.075	9.2	21.2
5 21	13 45.38	+ 3 31.3	2.235	3.087	11.9	21.4
5 31	13 41.65	+ 3 41.0	2.338	3.099	14.3	21.6

24249 Bobbiolson 4 23.1 183°.99 0°.9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.60	−11 53.1	2.069	2.923	12.0	19.4
4 1	14 23.26	−11 22.7	1.993	2.924	8.6	19.2
4 11	14 15.09	−10 44.7	1.942	2.924	4.8	19.0
4 21	14 5.81	−10 2.3	1.919	2.923	1.1	18.7
5 1	13 56.34	− 9 20.2	1.926	2.922	3.7	18.9
5 11	13 47.64	− 8 43.1	1.961	2.920	7.6	19.1
5 21	13 40.45	− 8 15.1	2.021	2.917	11.2	19.3
5 31	13 35.31	− 7 58.9	2.104	2.913	14.2	19.5

47407 1999 XC_{129} 4 23.1 8°.79 3°.3/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.10	−20 10.4	1.366	2.223	16.8	18.4
4 1	14 23.80	−20 32.0	1.298	2.223	12.8	18.2
4 11	14 15.76	−20 36.8	1.251	2.224	8.2	17.9
4 21	14 5.96	−20 25.0	1.228	2.226	4.0	17.6
5 1	13 55.78	−19 59.7	1.229	2.228	4.6	17.7
5 11	13 46.71	−19 27.2	1.255	2.230	9.0	17.9
5 21	13 39.90	−18 54.8	1.304	2.233	13.5	18.2
5 31	13 36.06	−18 29.3	1.373	2.237	17.4	18.5

389784 2011 UC_{29} 4 23.1 4°.63 3°.3/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.76	−25 23.2	2.091	2.915	13.0	20.0
4 1	14 18.44	−24 55.6	2.012	2.915	10.1	19.8
4 11	14 12.40	−24 9.9	1.955	2.915	6.9	19.6
4 21	14 5.33	−23 7.9	1.925	2.916	3.9	19.4
5 1	13 58.10	−21 53.7	1.922	2.917	3.7	19.4
5 11	13 51.61	−20 33.7	1.946	2.919	6.5	19.6
5 21	13 46.57	−19 14.7	1.997	2.921	9.8	19.8
5 31	13 43.47	−18 2.8	2.071	2.923	12.8	20.0

264595 2001 UX_{13} 4 23.1 104°.41 3°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 21.64	− 0 28.3	3.383	4.246	7.5	20.8
4 1	14 16.91	+ 0 5.8	3.329	4.260	5.5	20.7
4 11	14 11.26	+ 0 38.3	3.301	4.274	3.7	20.6
4 21	14 5.11	+ 1 6.3	3.303	4.288	3.1	20.6
5 1	13 58.93	+ 1 27.4	3.334	4.301	4.3	20.7
5 11	13 53.21	+ 1 39.5	3.394	4.315	6.2	20.8
5 21	13 48.32	+ 1 41.7	3.479	4.328	8.2	21.0
5 31	13 44.58	+ 1 33.7	3.588	4.341	9.9	21.1

320604 2008 BO_{52} 4 23.1 154°.88 4°.8/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.57	−25 32.6	1.884	2.695	14.7	21.3
4 1	14 26.51	−26 6.7	1.808	2.702	11.6	21.1
4 11	14 17.10	−26 23.6	1.755	2.707	8.2	20.9
4 21	14 6.19	−26 22.2	1.728	2.712	5.4	20.7
5 1	13 54.96	−26 3.6	1.729	2.717	5.2	20.7
5 11	13 44.64	−25 32.5	1.757	2.721	7.9	20.9
5 21	13 36.23	−24 55.1	1.810	2.724	11.2	21.1
5 31	13 30.39	−24 18.2	1.886	2.728	14.3	21.3

268331 2005 SL_{88} 4 23.1 175°.80 1°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.88	−18 26.2	2.241	3.076	11.9	22.3
4 1	14 22.69	−18 13.9	2.161	3.079	8.8	22.1
4 11	14 14.75	−17 50.3	2.107	3.081	5.3	21.9
4 21	14 5.76	−17 17.0	2.081	3.082	1.9	21.7
5 1	13 56.58	−16 37.4	2.084	3.083	2.9	21.7
5 11	13 48.12	−15 56.0	2.116	3.083	6.5	22.0
5 21	13 41.10	−15 17.5	2.174	3.083	9.9	22.2
5 31	13 36.03	−14 46.1	2.255	3.082	12.8	22.4

260102 2004 ND_{19} 4 23.1 275°.90 8°.1/13.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.52	+12 30.9	2.414	3.268	10.5	20.5
4 1	14 18.75	+13 54.1	2.348	3.250	8.9	20.3
4 11	14 12.51	+15 8.0	2.307	3.232	8.1	20.2
4 21	14 5.36	+16 6.4	2.293	3.214	8.5	20.2
5 1	13 58.02	+16 44.0	2.304	3.196	9.9	20.3
5 11	13 51.23	+16 58.3	2.338	3.178	11.8	20.4
5 21	13 45.61	+16 49.2	2.394	3.160	13.8	20.5
5 31	13 41.62	+16 18.2	2.467	3.141	15.6	20.6

370119 2001 UF_{121} 4 23.1 175°.09 0°.8/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.22	−11 13.1	2.220	3.073	11.3	21.7
4 1	14 22.87	−10 53.7	2.145	3.076	8.1	21.5
4 11	14 14.83	−10 28.2	2.096	3.078	4.5	21.2
4 21	14 5.78	− 9 59.4	2.076	3.080	1.0	21.0
5 1	13 56.56	− 9 31.0	2.085	3.081	3.4	21.2
5 11	13 48.05	− 9 6.9	2.122	3.081	7.1	21.4
5 21	13 40.96	− 8 50.5	2.186	3.081	10.5	21.6
5 31	13 35.78	− 8 43.9	2.272	3.080	13.3	21.8

501655 2014 SS_{300} 4 23.1 126°.14 2°.0/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.97	−18 38.9	1.724	2.569	14.4	21.9
4 1	14 24.57	−18 40.4	1.656	2.578	10.7	21.7
4 11	14 15.95	−18 28.1	1.612	2.587	6.6	21.5
4 21	14 5.98	−18 3.7	1.594	2.595	2.6	21.3
5 1	13 55.84	−17 30.8	1.604	2.603	3.6	21.3
5 11	13 46.68	−16 54.9	1.640	2.611	7.8	21.6
5 21	13 39.42	−16 21.8	1.702	2.618	11.7	21.9
5 31	13 34.65	−15 56.5	1.785	2.625	15.1	22.1

191702 2004 RQ_{170} 4 23.1 289°.15 5°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.67	−25 42.1	1.818	2.636	14.9	19.7
4 1	14 24.80	−26 25.9	1.720	2.616	12.0	19.5
4 11	14 16.37	−26 53.8	1.645	2.597	8.7	19.2
4 21	14 6.11	−27 3.2	1.594	2.577	5.9	19.0
5 1	13 55.16	−26 54.2	1.570	2.558	5.8	19.0
5 11	13 44.85	−26 30.3	1.573	2.538	8.6	19.1
5 21	13 36.32	−25 57.4	1.600	2.518	12.2	19.3
5 31	13 30.44	−25 23.0	1.648	2.499	15.6	19.4

319446 2006 KV_{63} 4 23.1 324°.52 0°.3/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.26	−16 44.5	1.730	2.593	13.5	20.2
4 1	14 19.07	−15 55.2	1.651	2.584	9.9	20.0
4 11	14 12.88	−14 50.8	1.594	2.576	5.7	19.7
4 21	14 5.45	−13 35.6	1.564	2.568	1.1	19.4
5 1	13 57.75	−12 16.0	1.561	2.561	3.6	19.6
5 11	13 50.85	−10 59.8	1.584	2.554	8.1	19.8
5 21	13 45.57	− 9 53.9	1.632	2.547	12.2	20.0
5 31	13 42.50	− 9 3.3	1.701	2.540	15.7	20.2

170186 2003 NS_{6} 4 23.1 307°.84 1°.5/22.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.10	−10 6.9	1.276	2.158	16.1	19.7
4 1	14 24.07	− 9 59.6	1.195	2.139	11.8	19.4
4 11	14 16.11	− 9 44.7	1.135	2.121	6.7	19.0
4 21	14 6.08	− 9 25.8	1.099	2.103	1.7	18.6
5 1	13 55.38	− 9 8.4	1.087	2.085	5.3	18.8
5 11	13 45.58	− 8 58.5	1.099	2.068	10.9	19.1
5 21	13 38.01	− 9 1.0	1.133	2.051	16.1	19.3
5 31	13 33.56	− 9 18.9	1.185	2.035	20.5	19.5

209957 2006 GW_3 4 23.1 252°.26 3°.1/25.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.36	−20 36.5	1.668	2.507	15.1	20.8
4 1	14 26.05	−20 51.8	1.575	2.491	11.6	20.6
4 11	14 17.08	−20 52.1	1.504	2.473	7.5	20.3
4 21	14 6.25	−20 36.8	1.458	2.456	3.7	20.0
5 1	13 54.77	−20 8.1	1.440	2.437	4.3	20.0
5 11	13 44.05	−19 31.3	1.448	2.418	8.6	20.2
5 21	13 35.26	−18 53.1	1.481	2.399	13.0	20.4
5 31	13 29.24	−18 20.5	1.535	2.379	16.9	20.6

106041 2000 SU_{305} 4 23.1 140°.55 1°.3/24.7 18

3 22	14 23.84	−19 56.6	2.669	3.500	10.3	19.7
4 1	14 18.81	−19 22.4	2.593	3.508	7.6	19.5
4 11	14 12.46	−18 36.9	2.543	3.515	4.7	19.4
4 21	14 5.36	−17 42.6	2.522	3.522	1.8	19.2
5 1	13 58.18	−16 43.0	2.530	3.529	2.5	19.2
5 11	13 51.59	−15 42.7	2.567	3.535	5.4	19.4
5 21	13 46.15	−14 46.1	2.631	3.542	8.3	19.6
5 31	13 42.26	−13 56.8	2.720	3.547	10.8	19.8

519607 2012 TO_{330} 4 23.1 276°.37 2°.8/21.1 17

3 22	14 28.68	− 5 15.9	2.049	2.915	11.6	21.1
4 1	14 22.77	− 4 58.6	1.959	2.896	8.4	20.9
4 11	14 14.94	− 4 39.7	1.894	2.876	5.0	20.6
4 21	14 5.84	− 4 22.8	1.857	2.856	2.8	20.4
5 1	13 56.36	− 4 11.8	1.848	2.835	5.0	20.5
5 11	13 47.48	− 4 10.1	1.866	2.815	8.7	20.7
5 21	13 40.01	− 4 20.2	1.909	2.794	12.2	20.9
5 31	13 34.58	− 4 43.1	1.974	2.773	15.3	21.0

293155 2006 YX_{12} 4 23.1 93°.58 1°.5/22.0 17

3 22	14 28.14	−10 47.6	1.700	2.568	13.4	20.9
4 1	14 22.38	−10 10.5	1.643	2.581	9.6	20.7
4 11	14 14.63	− 9 26.1	1.610	2.594	5.3	20.4
4 21	14 5.76	− 8 38.9	1.603	2.606	1.6	20.2
5 1	13 56.82	− 7 54.5	1.623	2.618	4.4	20.4
5 11	13 48.87	− 7 18.5	1.671	2.631	8.6	20.7
5 21	13 42.69	− 6 54.8	1.742	2.642	12.4	21.0
5 31	13 38.79	− 6 45.6	1.834	2.654	15.5	21.2

483968 2006 BJ_{226} 4 23.1 311°.03 5°.7/ 3.2 18

3 22	14 23.04	−43 28.9	4.340	5.007	9.1	20.7
4 1	14 18.15	−43 56.1	4.243	5.003	8.1	20.6
4 11	14 12.10	−44 9.4	4.168	4.999	7.0	20.5
4 21	14 5.32	−44 8.0	4.117	4.995	6.2	20.4
5 1	13 58.35	−43 52.0	4.091	4.991	5.8	20.4
5 11	13 51.77	−43 22.9	4.092	4.987	5.9	20.4
5 21	13 46.05	−42 43.4	4.118	4.983	6.6	20.5
5 31	13 41.60	−41 56.9	4.168	4.980	7.6	20.5

406498 2007 VE_{75} 4 23.1 76°.19 0°.4/22.9 18

3 22	14 29.12	−14 7.9	1.438	2.307	15.4	21.4
4 1	14 23.34	−13 32.3	1.387	2.324	11.1	21.1
4 11	14 15.25	−12 44.7	1.357	2.341	6.2	20.9
4 21	14 5.88	−11 49.9	1.353	2.357	1.1	20.6
5 1	13 56.49	−10 54.7	1.375	2.374	4.2	20.8
5 11	13 48.31	−10 6.2	1.423	2.391	9.0	21.2
5 21	13 42.22	− 9 29.9	1.494	2.407	13.2	21.5
5 31	13 38.74	− 9 9.2	1.586	2.423	16.7	21.7

173827 2001 TT_{17} 4 23.1 208°.96 2°.9/26.0 18

3 22	14 27.05	−23 26.1	2.660	3.472	10.9	20.6
4 1	14 21.28	−23 31.5	2.569	3.467	8.4	20.4
4 11	14 13.96	−23 24.8	2.503	3.462	5.7	20.2
4 21	14 5.67	−23 6.3	2.465	3.456	3.3	20.1
5 1	13 57.13	−22 38.0	2.456	3.449	3.3	20.1
5 11	13 49.15	−22 3.3	2.476	3.443	5.7	20.2
5 21	13 42.36	−21 26.3	2.523	3.436	8.5	20.4
5 31	13 37.27	−20 51.4	2.595	3.428	11.1	20.5

212636 2006 TQ_{109} 4 23.2 192°.88 1°.2/24.3 17

3 22	14 26.23	−17 30.6	2.441	3.281	10.9	20.6
4 1	14 20.71	−17 27.6	2.360	3.280	8.1	20.4
4 11	14 13.64	−17 15.3	2.304	3.279	4.9	20.2
4 21	14 5.61	−16 55.1	2.276	3.278	1.7	20.0
5 1	13 57.39	−16 29.6	2.277	3.277	2.7	20.1
5 11	13 49.77	−16 2.5	2.307	3.275	6.0	20.3
5 21	13 43.39	−15 37.5	2.363	3.274	9.1	20.5
5 31	13 38.76	−15 18.0	2.443	3.272	11.9	20.6

475550 2006 TX_{59} 4 23.2 209°.81 0°.8/23.9 17

3 22	14 25.52	−16 34.7	2.698	3.537	10.0	22.4
4 1	14 20.08	−16 21.0	2.611	3.532	7.3	22.3
4 11	14 13.24	−15 58.9	2.550	3.526	4.3	22.1
4 21	14 5.54	−15 30.0	2.517	3.520	1.2	21.8
5 1	13 57.65	−14 57.2	2.515	3.514	2.5	21.9
5 11	13 50.29	−14 24.0	2.541	3.507	5.6	22.1
5 21	13 44.03	−13 53.9	2.594	3.500	8.6	22.3
5 31	13 39.33	−13 30.0	2.672	3.493	11.2	22.4

51310 2000 KY_{62} 4 23.2 142°.88 5°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.39	+ 2 42.5	2.312	3.180	10.4	19.3
4 1	14 19.99	+ 3 37.9	2.256	3.185	7.8	19.1
4 11	14 13.16	+ 4 29.2	2.225	3.191	5.8	19.0
4 21	14 5.52	+ 5 11.4	2.222	3.196	5.3	19.0
5 1	13 57.81	+ 5 40.2	2.246	3.200	6.9	19.1
5 11	13 50.78	+ 5 52.7	2.297	3.205	9.4	19.3
5 21	13 45.01	+ 5 48.3	2.372	3.209	11.8	19.4
5 31	13 40.93	+ 5 27.5	2.467	3.213	14.0	19.6

262956 2007 DA_{77} 4 23.2 67°.77 0°.8/22.6 18

3 22	14 30.28	−11 41.0	1.575	2.442	14.4	20.5
4 1	14 23.96	−11 26.0	1.527	2.464	10.3	20.3
4 11	14 15.52	−11 3.2	1.503	2.486	5.7	20.1
4 21	14 5.94	−10 36.4	1.504	2.508	1.1	19.8
5 1	13 56.38	−10 10.4	1.533	2.530	4.1	20.1
5 11	13 47.98	− 9 50.0	1.587	2.552	8.5	20.4
5 21	13 41.56	− 9 39.1	1.666	2.574	12.4	20.7
5 31	13 37.59	− 9 39.9	1.766	2.596	15.6	21.0

318454 2005 EP_7 4 23.2 72°.45 2°.7/21.2 18

3 22	14 28.33	− 9 35.1	1.399	2.278	15.1	20.7
4 1	14 22.71	− 8 30.1	1.354	2.298	10.7	20.4
4 11	14 14.85	− 7 17.7	1.333	2.318	6.0	20.2
4 21	14 5.82	− 6 5.1	1.337	2.338	2.7	20.1
5 1	13 56.84	− 5 0.6	1.367	2.359	5.7	20.3
5 11	13 49.11	− 4 11.1	1.422	2.379	10.1	20.6
5 21	13 43.45	− 3 40.4	1.500	2.399	14.1	20.9
5 31	13 40.33	− 3 29.9	1.598	2.418	17.4	21.2

114844 2003 PZ_1 4 23.2 261°.62 4°.0/25.9 17

3 22	14 30.01	−23 42.2	1.648	2.481	15.6	20.2
4 1	14 24.38	−23 48.9	1.555	2.464	12.2	19.9
4 11	14 16.15	−23 36.5	1.484	2.448	8.3	19.7
4 21	14 6.12	−23 4.6	1.438	2.431	4.7	19.4
5 1	13 55.51	−22 15.7	1.418	2.413	4.8	19.4
5 11	13 45.69	−21 16.2	1.424	2.396	8.5	19.6
5 21	13 37.81	−20 14.2	1.454	2.378	12.8	19.7
5 31	13 32.68	−19 17.8	1.506	2.359	16.7	19.9

409778 2006 EF_{37} 4 23.2 17°.86 1°.1/22.5 17

3 22	14 28.27	−11 44.1	1.207	2.091	16.7	20.8
4 1	14 23.25	−11 24.3	1.148	2.093	12.1	20.5
4 11	14 15.47	−10 54.1	1.110	2.096	6.8	20.2
4 21	14 5.97	−10 18.2	1.095	2.099	1.4	19.9
5 1	13 56.22	− 9 43.1	1.104	2.103	5.0	20.2
5 11	13 47.71	− 9 16.1	1.138	2.107	10.4	20.5
5 21	13 41.54	− 9 2.3	1.192	2.112	15.3	20.7
5 31	13 38.38	− 9 4.7	1.265	2.118	19.3	21.0

124237 2001 PH_{45} 4 23.2 181°.28 4°.4/26.1 18

3 22	14 32.83	−24 24.5	1.671	2.496	15.7	20.1
4 1	14 26.23	−24 39.9	1.594	2.497	12.3	19.8
4 11	14 17.07	−24 36.4	1.538	2.498	8.4	19.6
4 21	14 6.27	−24 13.4	1.507	2.498	5.0	19.4
5 1	13 55.10	−23 33.4	1.504	2.497	5.0	19.4
5 11	13 44.93	−22 42.6	1.527	2.496	8.3	19.6
5 21	13 36.82	−21 48.7	1.575	2.494	12.2	19.8
5 31	13 31.48	−20 59.3	1.644	2.492	15.8	20.0

305549 2008 UV_{38} 4 23.2 263°.27 1°.5/24.2 17

3 22	14 29.62	−18 38.1	1.524	2.378	15.5	21.0
4 1	14 24.20	−18 11.1	1.430	2.358	11.6	20.8
4 11	14 16.09	−17 25.8	1.359	2.336	7.1	20.4
4 21	14 6.12	−16 24.1	1.312	2.315	2.3	20.1
5 1	13 55.53	−15 11.6	1.292	2.292	4.0	20.1
5 11	13 45.74	−13 56.8	1.298	2.270	9.2	20.4
5 21	13 37.93	−12 48.5	1.328	2.246	14.2	20.6
5 31	13 32.94	−11 54.2	1.378	2.222	18.4	20.8

24687 1990 HW 4 23.2 337°.85 19°.6/16.4 18

3 22	14 43.44	+26 0.5	1.020	1.853	22.9	17.3
4 1	14 34.64	+26 50.8	0.978	1.849	21.0	17.1
4 11	14 21.99	+26 59.3	0.952	1.845	19.8	17.0
4 21	14 7.13	+26 12.8	0.943	1.841	19.7	17.0
5 1	13 52.29	+24 26.2	0.953	1.838	21.0	17.0
5 11	13 39.59	+21 45.5	0.982	1.836	23.2	17.2
5 21	13 30.39	+18 24.7	1.027	1.834	25.7	17.4
5 31	13 25.25	+14 39.1	1.087	1.833	28.2	17.5

456976 2008 BS_{19} 4 23.2 48°.79 0°.3/22.9 17

3 22	14 27.54	−14 11.8	1.350	2.224	15.9	21.1
4 1	14 22.39	−13 40.6	1.295	2.235	11.4	20.8
4 11	14 14.82	−12 56.5	1.263	2.247	6.4	20.6
4 21	14 5.84	−12 4.6	1.255	2.259	1.1	20.2
5 1	13 56.77	−11 11.7	1.272	2.272	4.3	20.5
5 11	13 48.91	−10 25.2	1.315	2.285	9.3	20.8
5 21	13 43.18	− 9 51.0	1.380	2.298	13.8	21.1
5 31	13 40.14	− 9 32.7	1.464	2.311	17.4	21.4

206945 2004 RT_{171} 4 23.2 191°.02 0°.8/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.46	−13 21.0	1.744	2.604	13.6	20.7
4 1	14 23.48	−12 35.8	1.669	2.603	9.8	20.4
4 11	14 15.37	−11 39.3	1.619	2.601	5.5	20.2
4 21	14 5.95	−10 36.1	1.595	2.599	1.1	19.8
5 1	13 56.31	− 9 32.2	1.600	2.596	4.1	20.1
5 11	13 47.56	− 8 34.7	1.631	2.593	8.6	20.3
5 21	13 40.57	− 7 49.0	1.688	2.589	12.6	20.6
5 31	13 35.94	− 7 18.8	1.765	2.584	16.1	20.8

211686 2003 WT_{105} 4 23.2 227°.17 1°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.29	− 9 22.2	1.772	2.636	13.2	20.5
4 1	14 24.12	− 8 59.3	1.692	2.629	9.5	20.3
4 11	14 15.78	− 8 30.3	1.637	2.620	5.4	20.0
4 21	14 6.04	− 7 59.0	1.609	2.612	1.8	19.7
5 1	13 55.97	− 7 30.2	1.608	2.602	4.6	19.9
5 11	13 46.71	− 7 8.8	1.635	2.593	8.9	20.1
5 21	13 39.16	− 6 58.6	1.686	2.583	12.9	20.4
5 31	13 33.98	− 7 1.8	1.758	2.572	16.3	20.6

409320 2004 TM_{277} 4 23.2 240°.23 0°.6/22.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.85	−12 38.4	1.701	2.561	13.8	22.2
4 1	14 24.71	−12 16.0	1.614	2.548	10.1	21.9
4 11	14 16.21	−11 43.8	1.551	2.534	5.7	21.6
4 21	14 6.14	−11 4.9	1.515	2.519	1.1	21.3
5 1	13 55.62	−10 24.3	1.506	2.504	4.1	21.5
5 11	13 45.88	− 9 48.0	1.524	2.488	8.9	21.7
5 21	13 37.93	− 9 21.2	1.567	2.471	13.3	21.9
5 31	13 32.49	− 9 7.7	1.630	2.454	17.0	22.1

189332 2007 EW_{39} 4 23.2 322°.20 2°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.98	− 9 0.2	1.517	2.399	13.9	20.1
4 1	14 19.80	− 7 57.5	1.443	2.389	10.0	19.8
4 11	14 13.42	− 6 45.8	1.393	2.378	5.7	19.6
4 21	14 5.63	− 5 31.8	1.368	2.368	2.9	19.3
5 1	13 57.54	− 4 23.5	1.368	2.359	5.9	19.5
5 11	13 50.31	− 3 28.6	1.394	2.350	10.3	19.7
5 21	13 44.85	− 2 52.3	1.442	2.341	14.5	20.0
5 31	13 41.81	− 2 37.1	1.509	2.333	18.1	20.2

262038 2006 QT_{142} 4 23.2 276°.01 1°.5/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.41	−18 40.9	1.687	2.537	14.4	21.2
4 1	14 23.15	−18 18.0	1.587	2.512	10.9	20.9
4 11	14 15.45	−17 38.3	1.509	2.486	6.6	20.6
4 21	14 6.03	−16 43.8	1.457	2.460	2.2	20.2
5 1	13 56.01	−15 39.0	1.433	2.433	3.7	20.3
5 11	13 46.64	−14 31.2	1.434	2.405	8.6	20.5
5 21	13 39.04	−13 28.2	1.461	2.378	13.2	20.7
5 31	13 33.99	−12 36.9	1.508	2.350	17.3	20.9

303718 2005 QL_{12} 4 23.2 286°.02 2°.7/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.29	− 7 20.0	2.179	3.050	10.8	21.0
4 1	14 18.77	− 6 21.7	2.093	3.033	7.7	20.8
4 11	14 12.64	− 5 17.9	2.032	3.015	4.5	20.5
4 21	14 5.49	− 4 13.6	1.999	2.998	2.7	20.4
5 1	13 58.08	− 3 14.1	1.994	2.980	4.9	20.5
5 11	13 51.23	− 2 24.9	2.017	2.962	8.3	20.7
5 21	13 45.63	− 1 49.6	2.064	2.945	11.6	20.8
5 31	13 41.79	− 1 30.4	2.132	2.927	14.5	21.0

83531 2001 SC_{157} 4 23.2 309°.29 3°.9/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.84	−23 47.8	2.069	2.892	13.2	18.8
4 1	14 22.29	−24 11.3	1.984	2.886	10.3	18.5
4 11	14 14.73	−24 20.5	1.922	2.880	7.1	18.3
4 21	14 5.88	−24 14.9	1.886	2.875	4.4	18.2
5 1	13 56.67	−23 56.0	1.877	2.870	4.3	18.1
5 11	13 48.15	−23 28.0	1.896	2.864	7.1	18.3
5 21	13 41.17	−22 55.8	1.940	2.859	10.3	18.5
5 31	13 36.35	−22 25.0	2.007	2.854	13.4	18.7

160340 2003 SB_{100} 4 23.2 285°.62 7°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.36	−35 9.1	2.014	2.783	15.4	19.7
4 1	14 23.12	−35 24.0	1.902	2.754	13.1	19.5
4 11	14 15.44	−35 14.7	1.810	2.725	10.6	19.2
4 21	14 6.04	−34 38.2	1.741	2.695	8.3	19.0
5 1	13 56.01	−33 34.5	1.698	2.665	7.6	18.9
5 11	13 46.62	−32 8.2	1.680	2.635	9.0	18.9
5 21	13 38.97	−30 27.5	1.688	2.605	11.7	19.0
5 31	13 33.88	−28 42.4	1.719	2.574	14.9	19.2

248543 2005 XU_{5} 4 23.2 177°.57 1°.9/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.24	− 8 48.6	2.144	3.006	11.3	21.4
4 1	14 21.51	− 8 6.7	2.072	3.008	8.1	21.2
4 11	14 14.12	− 7 19.6	2.026	3.009	4.5	21.0
4 21	14 5.75	− 6 31.5	2.008	3.010	2.0	20.8
5 1	13 57.23	− 5 47.1	2.019	3.010	4.3	21.0
5 11	13 49.43	− 5 11.0	2.058	3.010	7.8	21.2
5 21	13 43.02	− 4 46.4	2.123	3.009	11.1	21.4
5 31	13 38.50	− 4 35.4	2.209	3.008	13.9	21.6

232804 2004 RA_{220} 4 23.2 186°.07 4°.5/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.71	−29 58.7	2.645	3.424	11.9	22.1
4 1	14 22.53	−29 57.7	2.555	3.424	9.6	21.9
4 11	14 14.70	−29 39.9	2.489	3.423	7.1	21.8
4 21	14 5.86	−29 5.4	2.449	3.422	5.0	21.6
5 1	13 56.83	−28 15.9	2.438	3.419	4.6	21.6
5 11	13 48.43	−27 15.7	2.456	3.416	6.2	21.7
5 21	13 41.38	−26 10.3	2.502	3.413	8.7	21.8
5 31	13 36.16	−25 5.3	2.572	3.408	11.1	22.0

211988 2005 AF_{58} 4 23.2 67°.64 1°.4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.55	−11 12.7	1.362	2.238	15.6	20.6
4 1	14 23.79	−10 42.1	1.310	2.252	11.2	20.3
4 11	14 15.60	−10 2.5	1.280	2.265	6.2	20.1
4 21	14 6.02	− 9 19.1	1.275	2.279	1.6	19.8
5 1	13 56.38	− 8 38.3	1.296	2.292	4.9	20.1
5 11	13 47.97	− 8 6.6	1.341	2.306	9.7	20.4
5 21	13 41.74	− 7 48.4	1.410	2.320	14.0	20.7
5 31	13 38.22	− 7 46.2	1.497	2.334	17.6	20.9

363104 2000 TD_{54} 4 23.2 211°.64 0°.1/23.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.77	−13 17.2	1.753	2.609	13.7	21.7
4 1	14 25.26	−13 9.3	1.673	2.604	10.0	21.4
4 11	14 16.47	−12 52.3	1.617	2.598	5.7	21.2
4 21	14 6.21	−12 28.6	1.587	2.592	1.0	20.8
5 1	13 55.60	−12 2.3	1.586	2.585	3.8	21.0
5 11	13 45.83	−11 38.4	1.612	2.578	8.4	21.3
5 21	13 37.86	−11 21.3	1.663	2.570	12.5	21.5
5 31	13 32.36	−11 14.8	1.736	2.562	16.0	21.7

356883 2011 WW_{132} 4 23.2 48°.24 4°.8/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.50	−27 29.2	2.347	3.146	12.6	20.4
4 1	14 22.57	−28 5.6	2.269	3.151	10.1	20.2
4 11	14 14.81	−28 27.1	2.215	3.156	7.4	20.1
4 21	14 5.90	−28 32.6	2.186	3.162	5.3	19.9
5 1	13 56.73	−28 23.2	2.186	3.167	5.0	19.9
5 11	13 48.23	−28 2.0	2.213	3.173	6.8	20.0
5 21	13 41.17	−27 33.6	2.266	3.179	9.3	20.2
5 31	13 36.12	−27 3.4	2.342	3.184	11.9	20.4

366443 2001 XE_{198} 4 23.2 159°.85 3°.8/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.20	−28 11.5	2.639	3.427	11.7	21.4
4 1	14 22.78	−28 2.5	2.558	3.436	9.2	21.2
4 11	14 14.79	−27 37.6	2.501	3.444	6.6	21.1
4 21	14 5.88	−26 57.2	2.472	3.451	4.4	20.9
5 1	13 56.86	−26 3.8	2.472	3.458	4.0	20.9
5 11	13 48.53	−25 1.9	2.501	3.464	5.9	21.1
5 21	13 41.56	−23 56.9	2.558	3.469	8.5	21.2
5 31	13 36.40	−22 54.2	2.639	3.473	10.9	21.4

58374 1995 SF_{5} 4 23.2 208°.50 2°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.37	− 9 3.8	1.748	2.612	13.3	20.0
4 1	14 24.92	− 8 23.9	1.670	2.606	9.6	19.7
4 11	14 16.25	− 7 37.0	1.617	2.600	5.5	19.5
4 21	14 6.18	− 6 48.0	1.590	2.592	2.2	19.2
5 1	13 55.81	− 6 2.5	1.592	2.584	5.0	19.4
5 11	13 46.28	− 5 26.6	1.621	2.574	9.3	19.6
5 21	13 38.53	− 5 4.2	1.674	2.564	13.3	19.8
5 31	13 33.18	− 4 57.8	1.747	2.553	16.7	20.0

459469 2013 BO_{43} 4 23.2 14°.26 4°.0/20.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.38	− 6 26.5	1.144	2.036	16.7	20.8
4 1	14 23.40	− 5 44.2	1.088	2.037	12.1	20.6
4 11	14 15.60	− 4 57.1	1.053	2.039	7.1	20.3
4 21	14 6.07	− 4 12.7	1.041	2.041	4.0	20.1
5 1	13 56.29	− 3 38.9	1.053	2.044	7.2	20.3
5 11	13 47.81	− 3 22.4	1.088	2.047	12.1	20.6
5 21	13 41.73	− 3 26.3	1.143	2.051	16.8	20.8
5 31	13 38.71	− 3 51.1	1.216	2.056	20.7	21.1

32281 Shreyamenon 4 23.2 300°.51 0°.5/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.03	−15 42.8	2.086	2.939	11.9	19.6
4 1	14 20.12	−15 25.3	2.003	2.932	8.7	19.3
4 11	14 13.45	−14 57.7	1.944	2.924	5.1	19.1
4 21	14 5.67	−14 22.3	1.913	2.916	1.2	18.8
5 1	13 57.65	−13 43.1	1.909	2.909	3.0	18.9
5 11	13 50.27	−13 4.8	1.933	2.901	6.9	19.2
5 21	13 44.29	−12 31.9	1.982	2.894	10.5	19.4
5 31	13 40.24	−12 8.1	2.054	2.887	13.6	19.6

428065 2006 FL_{21} 4 23.2 124°.56 1°.3/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.86	−17 36.9	1.986	2.831	12.8	21.6
4 1	14 22.13	−17 25.1	1.915	2.838	9.4	21.4
4 11	14 14.55	−17 1.5	1.868	2.845	5.6	21.2
4 21	14 5.87	−16 28.4	1.849	2.851	1.8	20.9
5 1	13 57.02	−15 49.4	1.857	2.857	3.1	21.0
5 11	13 48.98	−15 9.8	1.893	2.863	7.0	21.3
5 21	13 42.52	−14 34.3	1.955	2.869	10.6	21.5
5 31	13 38.15	−14 7.2	2.039	2.874	13.7	21.7

189229 2004 JC_{42} 4 23.2 297°.29 2°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.55	− 8 10.1	1.595	2.470	13.8	20.3
4 1	14 22.51	− 7 39.9	1.505	2.447	10.0	20.0
4 11	14 15.08	− 7 3.3	1.439	2.423	5.8	19.7
4 21	14 6.01	− 6 25.1	1.398	2.400	2.5	19.4
5 1	13 56.39	− 5 51.0	1.384	2.376	5.5	19.5
5 11	13 47.47	− 5 27.1	1.395	2.353	10.1	19.7
5 21	13 40.31	− 5 17.5	1.428	2.330	14.5	19.9
5 31	13 35.66	− 5 25.0	1.482	2.307	18.4	20.1

199180 2005 YQ_{227} 4 23.2 280°.16 0°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.00	−13 57.9	1.790	2.653	13.1	21.2
4 1	14 21.04	−13 24.1	1.711	2.646	9.5	21.0
4 11	14 14.05	−12 39.2	1.655	2.638	5.4	20.7
4 21	14 5.79	−11 47.1	1.626	2.631	0.9	20.4
5 1	13 57.26	−10 53.1	1.625	2.623	3.7	20.6
5 11	13 49.49	−10 3.4	1.650	2.616	8.1	20.8
5 21	13 43.35	− 9 23.4	1.699	2.608	12.1	21.1
5 31	13 39.41	− 8 57.0	1.770	2.601	15.6	21.3

472358 2015 BL_{29} 4 23.2 310°.51 1°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.89	−11 53.4	1.771	2.641	12.9	21.1
4 1	14 20.17	−11 0.6	1.699	2.638	9.3	20.9
4 11	14 13.52	− 9 58.0	1.650	2.635	5.1	20.6
4 21	14 5.69	− 8 50.6	1.628	2.632	1.5	20.4
5 1	13 57.66	− 7 45.0	1.634	2.629	4.4	20.6
5 11	13 50.43	− 6 47.7	1.666	2.626	8.6	20.8
5 21	13 44.79	− 6 3.7	1.722	2.624	12.4	21.0
5 31	13 41.31	− 5 36.4	1.799	2.621	15.7	21.2

251861 1999 UW_{39} 4 23.2 248°.14 0°.2/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.87	−14 52.2	1.857	2.710	13.2	21.8
4 1	14 23.92	−14 32.0	1.764	2.693	9.7	21.5
4 11	14 15.77	−14 0.7	1.695	2.675	5.6	21.2
4 21	14 6.13	−13 20.6	1.652	2.657	1.1	20.9
5 1	13 56.04	−12 36.2	1.638	2.638	3.6	21.0
5 11	13 46.63	−11 53.1	1.652	2.618	8.1	21.2
5 21	13 38.85	−11 16.8	1.691	2.598	12.3	21.4
5 31	13 33.40	−10 51.9	1.751	2.577	15.9	21.6

333152 2012 BC_{30} 4 23.2 120°.17 3°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.82	− 6 15.9	1.752	2.621	13.0	21.8
4 1	14 23.50	− 5 18.6	1.699	2.638	9.3	21.6
4 11	14 15.27	− 4 18.1	1.672	2.654	5.5	21.4
4 21	14 5.99	− 3 20.2	1.672	2.669	3.3	21.3
5 1	13 56.72	− 2 31.3	1.700	2.684	5.8	21.5
5 11	13 48.45	− 1 56.2	1.754	2.698	9.4	21.7
5 21	13 41.95	− 1 37.7	1.833	2.712	12.9	21.9
5 31	13 37.68	− 1 36.6	1.931	2.725	15.8	22.2

380609 2004 TP_{75} 4 23.2 217°.89 1°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.78	−18 26.0	2.241	3.079	11.8	22.0
4 1	14 22.03	−18 12.1	2.153	3.072	8.8	21.8
4 11	14 14.52	−17 46.6	2.090	3.064	5.3	21.6
4 21	14 5.89	−17 11.2	2.054	3.056	1.9	21.3
5 1	13 56.99	−16 29.2	2.047	3.047	2.9	21.4
5 11	13 48.73	−15 45.2	2.069	3.038	6.6	21.6
5 21	13 41.84	−15 4.2	2.117	3.028	10.0	21.8
5 31	13 36.89	−14 30.3	2.189	3.018	13.0	22.0

190695 2001 FX_{1} 4 23.2 162°.31 9°.1/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 39.85	−40 29.9	2.477	3.178	14.5	20.0
4 1	14 31.27	−41 55.3	2.393	3.183	12.7	19.9
4 11	14 20.03	−43 0.1	2.332	3.188	11.0	19.7
4 21	14 6.94	−43 39.6	2.294	3.192	9.6	19.7
5 1	13 53.19	−43 51.4	2.283	3.196	9.1	19.6
5 11	13 40.14	−43 37.6	2.299	3.199	9.7	19.7
5 21	13 28.96	−43 3.5	2.340	3.202	11.1	19.8
5 31	13 20.47	−42 17.0	2.403	3.204	12.9	19.9

253059 2002 TK_{66} 4 23.2 234°.94 13°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.87	−44 57.1	1.367	2.102	22.9	20.2
4 1	14 29.14	−45 38.3	1.281	2.092	20.5	20.0
4 11	14 19.41	−45 39.3	1.210	2.082	17.9	19.7
4 21	14 6.86	−44 51.0	1.156	2.072	15.4	19.5
5 1	13 53.54	−43 9.8	1.122	2.061	13.9	19.4
5 11	13 41.77	−40 42.8	1.111	2.049	14.3	19.4
5 21	13 33.30	−37 45.6	1.121	2.036	16.5	19.5
5 31	13 29.03	−34 38.2	1.152	2.024	19.6	19.6

379655 2011 EA_{38} 4 23.2 207°.12 3°.7/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.12	− 3 51.7	1.957	2.829	11.8	21.0
4 1	14 21.58	− 3 7.1	1.888	2.827	8.5	20.8
4 11	14 14.25	− 2 21.2	1.845	2.824	5.3	20.6
4 21	14 5.84	− 1 39.2	1.828	2.822	3.7	20.5
5 1	13 57.26	− 1 6.0	1.839	2.819	5.9	20.6
5 11	13 49.43	− 0 46.0	1.876	2.816	9.2	20.8
5 21	13 43.09	− 0 41.4	1.938	2.813	12.5	21.0
5 31	13 38.76	− 0 52.7	2.020	2.810	15.3	21.2

166938 2003 HC_{40} 4 23.2 325°.71 2°.3/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.39	−19 19.4	1.140	2.016	18.0	19.7
4 1	14 20.98	−19 7.8	1.061	1.999	13.7	19.4
4 11	14 14.53	−18 34.4	1.002	1.982	8.5	19.1
4 21	14 5.96	−17 41.1	0.965	1.967	3.2	18.7
5 1	13 56.74	−16 34.0	0.951	1.952	4.6	18.7
5 11	13 48.56	−15 23.2	0.959	1.939	10.4	19.0
5 21	13 42.77	−14 19.3	0.988	1.926	15.8	19.3
5 31	13 40.26	−13 31.1	1.035	1.915	20.6	19.5

288211 2003 YR_{30} 4 23.2 87°.46 2°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.10	− 8 24.2	1.558	2.429	14.3	20.7
4 1	14 24.64	− 7 59.2	1.507	2.446	10.2	20.5
4 11	14 16.00	− 7 29.5	1.479	2.463	5.7	20.3
4 21	14 6.15	− 6 59.5	1.478	2.480	2.2	20.1
5 1	13 56.29	− 6 34.4	1.503	2.496	5.0	20.3
5 11	13 47.57	− 6 19.1	1.555	2.513	9.3	20.6
5 21	13 40.84	− 6 16.2	1.630	2.529	13.2	20.8
5 31	13 36.60	− 6 27.3	1.725	2.544	16.4	21.1

210270 2007 TL_{2} 4 23.2 99°.96 0°.3/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.29	−13 54.7	2.211	3.066	11.3	21.0
4 1	14 20.06	−13 20.1	2.147	3.078	8.1	20.8
4 11	14 13.30	−12 37.1	2.108	3.090	4.5	20.6
4 21	14 5.66	−11 49.2	2.096	3.101	0.8	20.3
5 1	13 57.96	−11 0.6	2.114	3.112	3.1	20.5
5 11	13 50.98	−10 16.1	2.160	3.123	6.7	20.7
5 21	13 45.35	− 9 39.6	2.231	3.134	9.9	21.0
5 31	13 41.51	− 9 13.9	2.325	3.145	12.7	21.2

476600 2008 SQ_{83} 4 23.2 137°.33 0°.4/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 21.13	−12 15.5	3.615	4.464	7.5	22.3
4 1	14 16.62	−11 49.1	3.544	4.472	5.3	22.1
4 11	14 11.21	−11 18.5	3.499	4.481	2.9	22.0
4 21	14 5.28	−10 45.5	3.485	4.489	0.6	21.8
5 1	13 59.30	−10 12.6	3.500	4.497	2.2	21.9
5 11	13 53.71	− 9 42.4	3.545	4.504	4.5	22.1
5 21	13 48.90	− 9 17.0	3.618	4.512	6.7	22.3
5 31	13 45.18	− 8 58.0	3.716	4.519	8.7	22.4

116134 2003 WZ_{142} 4 23.2 333°.80 0°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 19.11	− 9 45.6	4.045	4.900	6.6	19.5
4 1	14 15.15	− 9 29.2	3.965	4.898	4.7	19.3
4 11	14 10.38	− 9 10.2	3.913	4.895	2.6	19.2
4 21	14 5.13	− 8 50.3	3.890	4.893	0.8	19.0
5 1	13 59.81	− 8 31.4	3.897	4.891	2.2	19.1
5 11	13 54.79	− 8 15.3	3.933	4.889	4.3	19.3
5 21	13 50.43	− 8 3.7	3.997	4.887	6.3	19.4
5 31	13 47.00	− 7 57.9	4.086	4.885	8.0	19.6

276108 2002 FN_{35} 4 23.2 65°.77 7°.7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.21	−32 53.6	1.778	2.563	16.5	20.3
4 1	14 25.08	−33 39.7	1.710	2.574	13.7	20.1
4 11	14 16.46	−34 2.4	1.663	2.586	10.8	19.9
4 21	14 6.27	−33 59.2	1.639	2.597	8.4	19.8
5 1	13 55.78	−33 30.9	1.640	2.609	7.7	19.8
5 11	13 46.35	−32 42.7	1.667	2.620	9.1	19.9
5 21	13 38.99	−31 42.5	1.718	2.632	11.7	20.1
5 31	13 34.38	−30 39.1	1.790	2.644	14.4	20.3

316319 2010 RV_{101} 4 23.2 15°.32 0°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.31	−14 15.7	1.394	2.270	15.4	20.2
4 1	14 20.86	−13 15.2	1.330	2.271	11.1	20.0
4 11	14 14.06	−11 59.8	1.288	2.273	6.2	19.7
4 21	14 5.83	−10 35.8	1.270	2.275	1.2	19.4
5 1	13 57.40	− 9 12.0	1.279	2.277	4.7	19.6
5 11	13 50.03	− 7 57.5	1.312	2.279	9.7	19.9
5 21	13 44.65	− 6 59.5	1.369	2.282	14.2	20.2
5 31	13 41.87	− 6 22.0	1.444	2.285	17.9	20.4

437517 2013 YY_{92} 4 23.2 190°.07 0°.6/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.43	−15 34.0	2.229	3.076	11.5	21.7
4 1	14 21.72	−15 24.4	2.150	3.075	8.4	21.5
4 11	14 14.31	−15 5.9	2.096	3.074	4.9	21.3
4 21	14 5.87	−14 40.4	2.069	3.073	1.2	21.0
5 1	13 57.22	−14 11.1	2.072	3.072	2.9	21.1
5 11	13 49.23	−13 42.1	2.103	3.070	6.6	21.3
5 21	13 42.62	−13 17.3	2.160	3.068	10.0	21.6
5 31	13 37.89	−13 0.1	2.240	3.066	12.9	21.7

254548 2005 EA_{222} 4 23.2 25°.65 0°.2/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.28	−14 56.0	1.133	2.018	17.4	19.9
4 1	14 21.15	−14 21.4	1.082	2.026	12.6	19.7
4 11	14 14.31	−13 31.0	1.051	2.036	7.1	19.4
4 21	14 5.88	−12 30.7	1.042	2.047	1.3	19.0
5 1	13 57.31	−11 28.7	1.058	2.059	4.6	19.3
5 11	13 50.07	−10 34.4	1.097	2.071	10.1	19.6
5 21	13 45.19	− 9 54.7	1.157	2.085	15.0	19.9
5 31	13 43.23	− 9 33.7	1.235	2.099	19.0	20.2

19773 2000 OJ_{50} 4 23.2 151.°52 5.°2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.06	+ 1 1.8	2.201	3.070	10.8	18.2
4 1	14 20.56	+ 2 19.9	2.146	3.078	8.0	18.1
4 11	14 13.57	+ 3 35.5	2.117	3.085	5.8	17.9
4 21	14 5.72	+ 4 42.6	2.116	3.092	5.4	17.9
5 1	13 57.82	+ 5 35.7	2.143	3.099	7.1	18.0
5 11	13 50.64	+ 6 10.9	2.197	3.104	9.7	18.2
5 21	13 44.79	+ 6 27.0	2.274	3.110	12.3	18.4
5 31	13 40.71	+ 6 24.2	2.371	3.114	14.6	18.6

374054 2004 PB_{69} 4 23.2 201.°58 1.°3/24.3 17

3 22	14 28.46	−18 3.6	2.295	3.132	11.6	21.9
4 1	14 22.47	−17 51.9	2.210	3.128	8.6	21.7
4 11	14 14.75	−17 29.2	2.149	3.123	5.2	21.5
4 21	14 5.96	−16 57.2	2.117	3.118	1.8	21.2
5 1	13 56.93	−16 19.1	2.113	3.113	2.9	21.3
5 11	13 48.54	−15 39.3	2.139	3.106	6.4	21.5
5 21	13 41.52	−15 2.2	2.191	3.100	9.8	21.7
5 31	13 36.40	−14 32.1	2.266	3.092	12.7	21.9

127915 2003 GB_{35} 4 23.2 283.°06 2.°9/20.9 17

3 22	14 26.85	− 6 52.5	1.738	2.613	12.9	19.8
4 1	14 21.61	− 6 10.0	1.669	2.610	9.2	19.6
4 11	14 14.36	− 5 23.2	1.624	2.607	5.4	19.4
4 21	14 5.89	− 4 37.3	1.605	2.604	2.9	19.2
5 1	13 57.21	− 3 58.0	1.613	2.601	5.5	19.4
5 11	13 49.35	− 3 30.6	1.647	2.599	9.4	19.6
5 21	13 43.15	− 3 18.2	1.705	2.596	13.1	19.8
5 31	13 39.17	− 3 22.2	1.783	2.593	16.3	20.0

303246 2004 QO_{9} 4 23.2 256.°45 0.°1/23.3 16

3 22	14 31.35	−14 13.6	1.603	2.462	14.6	21.6
4 1	14 25.34	−13 59.5	1.512	2.444	10.7	21.3
4 11	14 16.75	−13 33.9	1.444	2.425	6.2	21.0
4 21	14 6.38	−12 59.3	1.402	2.406	1.2	20.6
5 1	13 55.42	−12 20.1	1.387	2.386	4.1	20.8
5 11	13 45.22	−11 42.8	1.398	2.366	9.2	21.0
5 21	13 36.91	−11 13.2	1.434	2.345	13.8	21.2
5 31	13 31.30	−10 56.2	1.490	2.323	17.8	21.4

52611 1997 UL_{3} 4 23.2 227.°60 0.°9/22.6 18

3 22	14 31.40	−10 26.6	2.118	2.971	11.8	19.1
4 1	14 24.73	−10 22.2	2.030	2.960	8.5	18.9
4 11	14 16.11	−10 12.7	1.967	2.948	4.8	18.6
4 21	14 6.23	−10 0.2	1.933	2.937	1.1	18.3
5 1	13 56.00	− 9 47.9	1.928	2.924	3.6	18.5
5 11	13 46.42	− 9 39.4	1.951	2.911	7.6	18.7
5 21	13 38.31	− 9 37.6	2.001	2.897	11.2	18.9
5 31	13 32.27	− 9 44.9	2.074	2.883	14.3	19.1

115660 2003 UQ_{139} 4 23.2 291.°12 2.°9/20.8 18

3 22	14 26.32	− 6 20.4	1.889	2.761	12.1	19.7
4 1	14 21.10	− 5 42.3	1.818	2.758	8.7	19.5
4 11	14 14.03	− 5 0.9	1.772	2.755	5.1	19.3
4 21	14 5.84	− 4 20.9	1.753	2.752	2.9	19.1
5 1	13 57.45	− 3 47.4	1.762	2.749	5.2	19.3
5 11	13 49.82	− 3 24.9	1.797	2.747	8.9	19.5
5 21	13 43.71	− 3 16.2	1.856	2.744	12.4	19.7
5 31	13 39.66	− 3 22.5	1.936	2.741	15.4	19.9

8916 1996 CC 4 23.2 177.°52 5.°2/19.1 18

3 22	14 30.82	+ 3 5.9	2.186	3.046	11.2	18.4
4 1	14 24.04	+ 3 33.1	2.121	3.047	8.5	18.2
4 11	14 15.56	+ 3 54.9	2.082	3.048	6.1	18.1
4 21	14 6.11	+ 4 7.2	2.071	3.049	5.3	18.0
5 1	13 56.54	+ 4 6.2	2.088	3.049	6.9	18.1
5 11	13 47.73	+ 3 50.0	2.133	3.049	9.6	18.3
5 21	13 40.37	+ 3 18.5	2.202	3.049	12.3	18.5
5 31	13 34.95	+ 2 32.8	2.292	3.048	14.7	18.6

173463 2000 QH_{131} 4 23.2 183.°03 4.°2/27.5 18

3 22	14 27.04	−28 8.3	2.645	3.436	11.5	20.6
4 1	14 21.37	−28 17.9	2.558	3.437	9.2	20.4
4 11	14 14.10	−28 12.6	2.496	3.436	6.8	20.3
4 21	14 5.85	−27 52.4	2.460	3.436	4.7	20.1
5 1	13 57.39	−27 18.8	2.452	3.435	4.3	20.1
5 11	13 49.53	−26 35.5	2.472	3.435	6.0	20.2
5 21	13 42.92	−25 47.3	2.520	3.433	8.5	20.4
5 31	13 38.08	−24 59.1	2.592	3.432	10.9	20.5

100936 Mekong 4 23.2 305.°09 2.°0/24.5 18

3 22	14 26.93	−18 50.9	1.438	2.299	15.9	19.5
4 1	14 22.31	−18 39.8	1.355	2.285	11.9	19.2
4 11	14 15.08	−18 11.3	1.293	2.271	7.4	18.9
4 21	14 6.08	−17 27.3	1.255	2.257	2.7	18.5
5 1	13 56.57	−16 32.7	1.243	2.244	4.0	18.6
5 11	13 47.94	−15 35.0	1.255	2.230	9.0	18.8
5 21	13 41.34	−14 42.4	1.291	2.218	13.8	19.1
5 31	13 37.55	−14 1.8	1.346	2.205	18.0	19.3

78634 2002 TD_{35} 4 23.2 64.°17 0.°1/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.05	−14 26.9	1.946	2.805	12.4	19.4
4 1	14 20.82	−14 3.7	1.883	2.815	9.0	19.2
4 11	14 13.82	−13 31.2	1.844	2.825	5.1	19.0
4 21	14 5.81	−12 52.4	1.831	2.836	0.9	18.7
5 1	13 57.69	−12 11.9	1.847	2.846	3.2	18.9
5 11	13 50.39	−11 34.5	1.890	2.857	7.2	19.2
5 21	13 44.63	−11 4.5	1.958	2.868	10.7	19.4
5 31	13 40.87	−10 45.1	2.048	2.879	13.8	19.6

222555 2001 VA_{28} 4 23.2 174.°74 0.°5/22.7 17

3 22	14 28.92	−12 27.6	2.278	3.128	11.2	20.9
4 1	14 22.70	−12 4.9	2.202	3.131	8.0	20.7
4 11	14 14.84	−11 35.0	2.153	3.134	4.5	20.4
4 21	14 6.00	−11 0.9	2.131	3.136	0.8	20.2
5 1	13 57.00	−10 26.2	2.140	3.137	3.2	20.4
5 11	13 48.68	− 9 55.1	2.177	3.137	6.9	20.6
5 21	13 41.74	− 9 31.2	2.240	3.137	10.2	20.8
5 31	13 36.66	− 9 17.0	2.326	3.136	13.0	21.0

224526 2005 WC_{89} 4 23.2 184.°31 0.°1/23.1 17

3 22	14 27.89	−14 18.4	2.214	3.064	11.5	22.0
4 1	14 22.03	−13 49.0	2.136	3.064	8.3	21.8
4 11	14 14.50	−13 10.6	2.084	3.064	4.7	21.5
4 21	14 5.94	−12 26.0	2.059	3.063	0.8	21.2
5 1	13 57.21	−11 39.5	2.064	3.062	3.1	21.4
5 11	13 49.17	−10 55.8	2.097	3.060	6.9	21.6
5 21	13 42.52	−10 19.1	2.156	3.058	10.3	21.9
5 31	13 37.76	− 9 52.9	2.238	3.055	13.2	22.0

316768 1999 TN_{49} 4 23.2 158.°44 1.°3/22.1 18

3 22	14 29.27	−11 23.3	2.056	2.913	11.9	22.0
4 1	14 23.04	−10 39.0	1.989	2.921	8.5	21.8
4 11	14 15.05	− 9 47.2	1.946	2.929	4.7	21.6
4 21	14 6.05	− 8 51.9	1.932	2.935	1.3	21.4
5 1	13 56.94	− 7 58.5	1.947	2.941	3.9	21.5
5 11	13 48.65	− 7 12.0	1.990	2.946	7.7	21.8
5 21	13 41.88	− 6 36.5	2.059	2.951	11.1	22.0
5 31	13 37.12	− 6 14.5	2.150	2.954	14.1	22.2

351949 2006 TU_{84} 4 23.2 192.°46 1.°8/25.2 17

3 22	14 24.54	−21 11.9	2.500	3.329	11.0	21.3
4 1	14 19.54	−20 46.4	2.417	3.328	8.3	21.1
4 11	14 13.06	−20 8.3	2.358	3.327	5.3	20.9
4 21	14 5.69	−19 19.3	2.327	3.326	2.4	20.7
5 1	13 58.16	−18 23.1	2.325	3.324	2.7	20.7
5 11	13 51.24	−17 24.2	2.352	3.322	5.8	20.9
5 21	13 45.53	−16 27.6	2.406	3.320	8.8	21.1
5 31	13 41.49	−15 37.6	2.484	3.318	11.5	21.3

86822 2000 GY_{139} 4 23.2 287.°91 3.°8/20.7 17

3 22	14 28.55	− 6 47.8	1.361	2.244	15.2	19.3
4 1	14 23.59	− 5 57.4	1.277	2.222	11.1	19.0
4 11	14 15.88	− 4 59.7	1.215	2.199	6.6	18.6
4 21	14 6.27	− 4 1.2	1.177	2.176	3.8	18.4
5 1	13 56.02	− 3 10.4	1.165	2.154	7.0	18.5
5 11	13 46.60	− 2 35.0	1.176	2.131	12.0	18.7
5 21	13 39.22	− 2 20.2	1.209	2.108	16.8	18.9
5 31	13 34.74	− 2 28.2	1.260	2.085	20.9	19.1

390403 2013 YU_{10} 4 23.2 81.°49 6.°5/29.7 17

3 22	14 27.92	−33 54.8	2.172	2.942	14.4	20.6
4 1	14 22.31	−34 10.9	2.099	2.954	11.9	20.5
4 11	14 14.75	−34 5.6	2.047	2.965	9.4	20.3
4 21	14 6.00	−33 37.9	2.020	2.976	7.2	20.2
5 1	13 57.09	−32 49.5	2.018	2.987	6.5	20.2
5 11	13 49.04	−31 45.7	2.044	2.998	7.7	20.3
5 21	13 42.66	−30 33.2	2.095	3.009	9.9	20.4
5 31	13 38.48	−29 19.3	2.169	3.020	12.4	20.6

473854 2016 EZ_{130} 4 23.2 103.°60 0.°1/23.2 18

3 22	14 29.42	−15 39.5	1.687	2.544	14.1	22.2
4 1	14 23.36	−14 55.9	1.631	2.562	10.2	22.0
4 11	14 15.28	−13 59.8	1.599	2.580	5.8	21.7
4 21	14 6.09	−12 55.7	1.594	2.598	1.1	21.4
5 1	13 56.89	−11 50.0	1.616	2.616	3.6	21.7
5 11	13 48.76	−10 49.5	1.666	2.632	8.0	22.0
5 21	13 42.48	−10 0.0	1.740	2.649	11.9	22.2
5 31	13 38.54	− 9 25.0	1.836	2.665	15.2	22.5

321101 2008 TB_{49} 4 23.2 264.°31 2.°0/24.8 17

3 22	14 28.49	−19 53.3	2.141	2.975	12.4	20.9
4 1	14 22.82	−19 44.2	2.037	2.951	9.4	20.6
4 11	14 15.15	−19 21.9	1.956	2.927	5.9	20.4
4 21	14 6.11	−18 47.2	1.903	2.902	2.5	20.1
5 1	13 56.61	−18 3.1	1.878	2.877	3.3	20.1
5 11	13 47.64	−17 14.4	1.881	2.850	7.0	20.3
5 21	13 40.08	−16 26.8	1.910	2.824	10.8	20.4
5 31	13 34.59	−15 45.5	1.963	2.797	14.1	20.6

103726 2000 CR_{98} 4 23.2 268°.95 0°.7/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.96	−16 28.2	2.033	2.884	12.3	20.5
4 1	14 20.87	−16 8.0	1.949	2.876	9.0	20.3
4 11	14 13.95	−15 36.7	1.890	2.868	5.3	20.0
4 21	14 5.87	−14 56.6	1.857	2.860	1.4	19.7
5 1	13 57.53	−14 11.7	1.852	2.852	3.1	19.8
5 11	13 49.85	−13 27.3	1.875	2.844	7.1	20.1
5 21	13 43.63	−12 48.3	1.924	2.836	10.8	20.3
5 31	13 39.42	−12 18.8	1.994	2.828	14.0	20.5

85664 1998 QF_{43} 4 23.2 240°.26 2°.5/24.8 18

3 22	14 32.10	−19 46.7	1.606	2.450	15.4	19.9
4 1	14 25.93	−19 48.6	1.518	2.437	11.7	19.7
4 11	14 17.11	−19 34.5	1.452	2.424	7.4	19.4
4 21	14 6.49	−19 5.0	1.411	2.410	3.2	19.1
5 1	13 55.31	−18 23.5	1.397	2.396	4.1	19.1
5 11	13 44.96	−17 36.3	1.410	2.381	8.6	19.3
5 21	13 36.61	−16 50.5	1.447	2.366	13.2	19.5
5 31	13 31.05	−16 13.1	1.505	2.350	17.1	19.7

300231 2006 YV_{3} 4 23.2 152°.43 0°.1/23.1 17

3 22	14 24.16	−14 22.2	2.776	3.623	9.5	22.0
4 1	14 19.06	−13 48.5	2.702	3.629	6.8	21.9
4 11	14 12.71	−13 7.5	2.655	3.635	3.9	21.7
4 21	14 5.64	−12 21.9	2.637	3.641	0.7	21.4
5 1	13 58.49	−11 35.2	2.649	3.647	2.5	21.6
5 11	13 51.88	−10 51.1	2.690	3.652	5.6	21.8
5 21	13 46.34	−10 13.0	2.757	3.657	8.4	22.0
5 31	13 42.26	− 9 43.4	2.849	3.661	10.8	22.2

38518 1999 TN_{252} 4 23.2 266°.70 6°.8/16.4 18

3 22	14 25.36	+ 4 17.5	1.990	2.863	11.6	18.9
4 1	14 20.41	+ 5 40.6	1.918	2.847	9.0	18.7
4 11	14 13.69	+ 7 0.1	1.871	2.832	7.1	18.5
4 21	14 5.85	+ 8 8.4	1.851	2.816	7.1	18.5
5 1	13 57.76	+ 8 59.1	1.857	2.800	9.0	18.6
5 11	13 50.32	+ 9 27.6	1.888	2.783	11.7	18.7
5 21	13 44.27	+ 9 32.6	1.941	2.767	14.5	18.9
5 31	13 40.18	+ 9 14.8	2.012	2.750	17.0	19.0

436019 2009 HY_{38} 4 23.2 115°.89 4°.8/18.6 18

3 22	14 25.73	+ 2 11.3	2.356	3.222	10.2	20.9
4 1	14 20.30	+ 2 52.3	2.297	3.227	7.7	20.7
4 11	14 13.45	+ 3 29.4	2.264	3.232	5.5	20.6
4 21	14 5.79	+ 3 58.2	2.259	3.236	4.9	20.5
5 1	13 58.05	+ 4 14.8	2.281	3.241	6.5	20.6
5 11	13 50.97	+ 4 16.9	2.330	3.245	8.9	20.8
5 21	13 45.13	+ 4 3.8	2.404	3.250	11.4	21.0
5 31	13 40.95	+ 3 36.0	2.498	3.254	13.6	21.1

321161 2008 UV_{353} 4 23.2 172°.03 1°.3/22.0 17

3 22	14 26.77	−10 8.1	2.179	3.040	11.2	21.3
4 1	14 21.23	− 9 39.0	2.107	3.042	8.0	21.1
4 11	14 14.06	− 9 4.3	2.060	3.043	4.5	20.9
4 21	14 5.91	− 8 27.5	2.041	3.044	1.4	20.7
5 1	13 57.60	− 7 52.5	2.051	3.045	3.7	20.8
5 11	13 49.99	− 7 23.8	2.088	3.046	7.3	21.1
5 21	13 43.73	− 7 4.3	2.152	3.046	10.6	21.3
5 31	13 39.32	− 6 56.4	2.237	3.046	13.4	21.4

293534 2007 GG_{68} 4 23.2 314°.21 1°.4/21.6 16

3 22	14 22.02	−10 14.9	2.547	3.409	9.7	21.2
4 1	14 17.65	− 9 26.9	2.471	3.407	6.9	21.0
4 11	14 11.97	− 8 33.4	2.422	3.405	3.8	20.8
4 21	14 5.52	− 7 37.9	2.401	3.403	1.4	20.7
5 1	13 58.95	− 6 44.7	2.409	3.401	3.5	20.8
5 11	13 52.91	− 5 58.0	2.445	3.399	6.6	21.0
5 21	13 47.95	− 5 21.1	2.508	3.398	9.5	21.2
5 31	13 44.49	− 4 56.2	2.592	3.396	12.0	21.3

3689 Yeates 4 23.2 211°.65 0°.8/22.4 18

3 22	14 24.50	−13 9.2	2.244	3.102	11.0	17.2
4 1	14 19.60	−12 16.8	2.165	3.098	7.9	17.0
4 11	14 13.14	−11 15.2	2.112	3.095	4.4	16.8
4 21	14 5.74	−10 8.6	2.087	3.091	1.0	16.5
5 1	13 58.19	− 9 2.0	2.091	3.087	3.4	16.7
5 11	13 51.26	− 8 0.9	2.123	3.083	7.1	16.9
5 21	13 45.62	− 7 9.9	2.181	3.078	10.4	17.1
5 31	13 41.74	− 6 32.0	2.262	3.074	13.2	17.3

334780 2003 ST_{138} 4 23.2 227°.99 4°.1/26.6 18

3 22	14 30.05	−25 38.0	2.311	3.116	12.6	20.6
4 1	14 23.84	−26 1.1	2.217	3.107	9.9	20.4
4 11	14 15.68	−26 9.7	2.148	3.098	7.1	20.2
4 21	14 6.24	−26 3.1	2.105	3.089	4.6	20.1
5 1	13 56.42	−25 42.4	2.091	3.079	4.5	20.0
5 11	13 47.20	−25 11.3	2.104	3.068	6.8	20.2
5 21	13 39.41	−24 34.7	2.144	3.058	9.8	20.3
5 31	13 33.69	−23 58.0	2.208	3.047	12.6	20.5

131563 2001 VY_{44} 4 23.2 162°.64 1°.3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.67	−10 47.5	1.715	2.577	13.7	20.0
4 1	14 25.11	−10 19.7	1.647	2.582	9.8	19.8
4 11	14 16.38	− 9 44.4	1.604	2.587	5.5	19.5
4 21	14 6.35	− 9 5.6	1.587	2.591	1.5	19.3
5 1	13 56.14	− 8 28.4	1.599	2.595	4.4	19.5
5 11	13 46.89	− 7 58.2	1.638	2.598	8.7	19.7
5 21	13 39.48	− 7 39.1	1.701	2.600	12.7	20.0
5 31	13 34.49	− 7 33.7	1.785	2.601	16.0	20.2

237102 2008 TH_{85} 4 23.2 8°.60 1°.7/21.8 17

3 22	14 22.63	−12 24.7	1.443	2.325	14.6	19.6
4 1	14 18.87	−11 17.9	1.381	2.326	10.4	19.4
4 11	14 12.94	− 9 58.8	1.342	2.328	5.8	19.1
4 21	14 5.73	− 8 34.3	1.328	2.331	1.8	18.9
5 1	13 58.34	− 7 13.0	1.339	2.335	5.0	19.1
5 11	13 51.93	− 6 3.4	1.375	2.339	9.7	19.4
5 21	13 47.34	− 5 11.6	1.434	2.344	13.9	19.6
5 31	13 45.14	− 4 40.8	1.513	2.350	17.4	19.9

431052 2006 BZ_{90} 4 23.2 67°.91 2°.7/20.9 17

3 22	14 26.14	− 8 11.5	1.727	2.601	12.9	21.3
4 1	14 20.98	− 7 17.3	1.673	2.614	9.2	21.1
4 11	14 13.96	− 6 17.9	1.642	2.626	5.2	20.9
4 21	14 5.90	− 5 19.1	1.639	2.639	2.7	20.8
5 1	13 57.78	− 4 27.0	1.662	2.652	5.2	21.0
5 11	13 50.59	− 3 47.2	1.712	2.665	9.0	21.2
5 21	13 45.07	− 3 22.9	1.786	2.677	12.6	21.4
5 31	13 41.68	− 3 15.5	1.879	2.690	15.6	21.7

48971 1998 QC_{39} 4 23.2 300°.18 2°.0/21.8 18

3 22	14 26.41	−10 42.2	1.449	2.328	14.7	18.5
4 1	14 21.90	− 9 59.1	1.363	2.306	10.7	18.2
4 11	14 14.88	− 9 5.1	1.299	2.285	6.1	17.8
4 21	14 6.13	− 8 5.2	1.260	2.263	2.0	17.5
5 1	13 56.82	− 7 6.9	1.247	2.242	5.4	17.7
5 11	13 48.30	− 6 18.0	1.258	2.221	10.4	17.9
5 21	13 41.68	− 5 44.8	1.292	2.201	15.2	18.1
5 31	13 37.74	− 5 31.1	1.344	2.180	19.3	18.3

419823 2010 XZ_{37} 4 23.2 122°.89 4°.8/19.6 17

3 22	14 29.75	− 0 46.2	1.846	2.716	12.5	21.2
4 1	14 23.47	− 0 4.0	1.791	2.726	9.1	21.1
4 11	14 15.33	+ 0 35.9	1.761	2.736	6.0	20.9
4 21	14 6.15	+ 1 8.1	1.758	2.746	4.8	20.8
5 1	13 56.91	+ 1 27.8	1.782	2.755	6.8	21.0
5 11	13 48.59	+ 1 31.8	1.833	2.764	10.0	21.2
5 21	13 41.93	+ 1 19.1	1.907	2.772	13.1	21.4
5 31	13 37.41	+ 0 50.2	2.001	2.781	15.8	21.6

300993 2008 FP_{117} 4 23.2 290°.72 0°.1/23.3 18

3 22	14 20.02	−13 17.2	4.299	5.142	6.5	20.2
4 1	14 15.83	−13 12.4	4.205	5.130	4.7	20.1
4 11	14 10.83	−13 4.0	4.139	5.118	2.6	19.9
4 21	14 5.33	−12 53.1	4.102	5.106	0.5	19.7
5 1	13 59.71	−12 41.1	4.096	5.095	1.7	19.8
5 11	13 54.36	−12 29.9	4.120	5.083	3.8	20.0
5 21	13 49.62	−12 21.0	4.171	5.071	5.8	20.1
5 31	13 45.78	−12 15.9	4.248	5.059	7.5	20.2

506044 2015 KL_{78} 4 23.2 204°.04 4°.5/18.6 18

3 22	14 25.11	+ 1 7.1	2.499	3.365	9.8	21.2
4 1	14 19.85	+ 1 53.8	2.431	3.362	7.3	21.0
4 11	14 13.21	+ 2 38.0	2.390	3.359	5.1	20.9
4 21	14 5.77	+ 3 15.3	2.376	3.356	4.5	20.8
5 1	13 58.20	+ 3 41.8	2.391	3.353	6.1	20.9
5 11	13 51.20	+ 3 54.5	2.433	3.349	8.6	21.0
5 21	13 45.36	+ 3 52.4	2.500	3.345	11.0	21.2
5 31	13 41.08	+ 3 35.4	2.587	3.341	13.2	21.4

90793 1994 PF_{38} 4 23.2 225°.01 0°.9/22.6 17

3 22	14 30.09	−12 58.7	1.734	2.594	13.6	21.5
4 1	14 24.14	−12 18.3	1.651	2.585	9.9	21.2
4 11	14 15.94	−11 26.8	1.591	2.574	5.6	20.9
4 21	14 6.30	−10 28.1	1.559	2.563	1.1	20.6
5 1	13 56.29	− 9 28.3	1.554	2.551	4.2	20.8
5 11	13 47.09	− 8 34.2	1.576	2.538	8.8	21.0
5 21	13 39.64	− 7 51.5	1.623	2.525	13.0	21.2
5 31	13 34.61	− 7 24.2	1.690	2.510	16.6	21.4

206956 2004 RL_{327} 4 23.2 160°.14 7°.5/ 3.2 18

3 22	14 31.12	−42 45.4	2.507	3.204	14.4	20.0
4 1	14 24.45	−42 20.2	2.416	3.210	12.5	19.9
4 11	14 15.87	−41 28.2	2.347	3.216	10.4	19.8
4 21	14 6.25	−40 8.5	2.301	3.220	8.5	19.6
5 1	13 56.62	−38 23.2	2.282	3.225	7.5	19.6
5 11	13 48.00	−36 18.4	2.291	3.229	7.9	19.6
5 21	13 41.14	−34 2.8	2.329	3.232	9.6	19.7
5 31	13 36.52	−31 45.6	2.393	3.235	11.7	19.9

371247 2006 BB_{148} 4 23.2 112°.09 2°.4/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.73	−21 15.0	2.117	2.944	12.8	21.5
4 1	14 23.39	−21 11.5	2.052	2.962	9.6	21.4
4 11	14 15.28	−20 54.4	2.012	2.979	6.2	21.2
4 21	14 6.15	−20 25.0	1.999	2.996	3.0	21.0
5 1	13 56.94	−19 46.8	2.014	3.012	3.3	21.0
5 11	13 48.59	−19 4.4	2.058	3.028	6.5	21.3
5 21	13 41.81	−18 23.2	2.128	3.043	9.8	21.5
5 31	13 37.10	−17 47.6	2.221	3.058	12.6	21.7

185906 2000 SF_{94} 4 23.2 295°.74 0°.8/24.5 18

3 22	14 18.23	−18 13.2	4.236	5.067	6.8	19.8
4 1	14 14.57	−17 51.1	4.146	5.062	5.0	19.6
4 11	14 10.12	−17 22.8	4.083	5.056	3.0	19.5
4 21	14 5.21	−16 49.7	4.049	5.050	1.1	19.3
5 1	14 0.21	−16 13.7	4.045	5.045	1.6	19.4
5 11	13 55.51	−15 37.0	4.071	5.039	3.6	19.5
5 21	13 51.43	−15 2.0	4.125	5.033	5.6	19.6
5 31	13 48.27	−14 30.8	4.204	5.028	7.4	19.8

147878 2006 QY_{79} 4 23.2 178°.57 1°.1/22.3 18

3 22	14 27.85	−12 52.7	1.810	2.672	13.1	20.2
4 1	14 22.30	−11 59.9	1.738	2.673	9.4	20.0
4 11	14 14.79	−10 56.5	1.691	2.674	5.2	19.7
4 21	14 6.09	− 9 47.3	1.670	2.674	1.2	19.4
5 1	13 57.21	− 8 38.8	1.678	2.674	4.1	19.6
5 11	13 49.18	− 7 37.7	1.714	2.674	8.4	19.9
5 21	13 42.81	− 6 49.2	1.773	2.673	12.2	20.1
5 31	13 38.64	− 6 16.8	1.854	2.672	15.5	20.3

299956 2006 TD_{71} 4 23.2 151°.77 0°.7/23.9 18

3 22	14 24.06	−17 34.9	2.314	3.159	11.2	20.7
4 1	14 19.26	−16 55.5	2.237	3.161	8.2	20.5
4 11	14 12.95	−16 4.8	2.185	3.162	4.8	20.3
4 21	14 5.74	−15 5.6	2.161	3.164	1.3	20.1
5 1	13 58.40	−14 2.5	2.165	3.165	2.7	20.2
5 11	13 51.71	−13 0.6	2.199	3.167	6.3	20.4
5 21	13 46.29	−12 4.9	2.258	3.168	9.5	20.6
5 31	13 42.59	−11 19.3	2.341	3.169	12.3	20.8

93722 2000 VE_{40} 4 23.2 141°.10 1°.3/24.4 18

3 22	14 28.16	−18 10.7	2.028	2.871	12.7	20.7
4 1	14 22.39	−17 54.7	1.957	2.878	9.4	20.5
4 11	14 14.79	−17 26.5	1.909	2.884	5.6	20.3
4 21	14 6.09	−16 48.4	1.888	2.890	1.9	20.0
5 1	13 57.24	−16 4.1	1.896	2.896	3.1	20.1
5 11	13 49.19	−15 19.0	1.932	2.901	6.9	20.4
5 21	13 42.68	−14 38.1	1.993	2.906	10.4	20.6
5 31	13 38.24	−14 5.6	2.077	2.911	13.5	20.8

502049 2015 AT_{154} 4 23.2 306°.20 2°.9/25.3 17

3 22	14 27.52	−20 56.2	1.640	2.487	15.0	21.6
4 1	14 22.51	−20 58.5	1.558	2.477	11.4	21.3
4 11	14 15.13	−20 44.4	1.497	2.468	7.4	21.1
4 21	14 6.19	−20 14.6	1.461	2.459	3.6	20.8
5 1	13 56.82	−19 32.6	1.451	2.450	4.0	20.8
5 11	13 48.29	−18 44.6	1.467	2.441	8.1	21.0
5 21	13 41.60	−17 57.4	1.508	2.433	12.3	21.3
5 31	13 37.46	−17 17.7	1.569	2.425	16.0	21.5

290302 2005 SX_{179} 4 23.2 173°.44 1°.1/21.9 17

3 22	14 23.60	−10 27.8	2.892	3.747	8.9	21.7
4 1	14 18.64	− 9 47.8	2.817	3.749	6.3	21.5
4 11	14 12.49	− 9 3.0	2.768	3.751	3.5	21.3
4 21	14 5.66	− 8 16.3	2.749	3.752	1.2	21.1
5 1	13 58.73	− 7 31.2	2.760	3.753	3.0	21.3
5 11	13 52.31	− 6 51.3	2.801	3.754	5.9	21.5
5 21	13 46.87	− 6 19.2	2.868	3.755	8.5	21.6
5 31	13 42.80	− 5 57.1	2.958	3.755	10.8	21.8

326775 2003 SW_{215} 4 23.2 229°.67 1°.1/22.4 16

3 22	14 29.39	−12 3.9	1.851	2.710	12.9	22.2
4 1	14 23.53	−11 25.9	1.766	2.699	9.3	21.9
4 11	14 15.57	−10 38.3	1.705	2.688	5.3	21.6
4 21	14 6.26	− 9 45.1	1.671	2.675	1.2	21.3
5 1	13 56.61	− 8 51.7	1.666	2.662	4.1	21.5
5 11	13 47.69	− 8 4.3	1.688	2.649	8.5	21.7
5 21	13 40.40	− 7 27.7	1.735	2.634	12.5	21.9
5 31	13 35.36	− 7 5.7	1.804	2.620	15.9	22.1

490424 2009 SN_{61} 4 23.2 206°.60 0°.1/23.1 17

3 22	14 26.62	−15 49.6	2.174	3.023	11.7	22.4
4 1	14 21.21	−14 54.0	2.091	3.018	8.5	22.2
4 11	14 14.11	−13 46.3	2.032	3.012	4.8	21.9
4 21	14 5.98	−12 30.3	2.002	3.006	0.9	21.6
5 1	13 57.65	−11 11.7	2.001	2.999	3.2	21.8
5 11	13 50.00	− 9 56.7	2.029	2.992	7.1	22.0
5 21	13 43.73	− 8 50.9	2.083	2.984	10.6	22.2
5 31	13 39.35	− 7 58.4	2.160	2.975	13.7	22.4

74650 1999 RS_{79} 4 23.2 188°.86 2°.5/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.91	− 9 2.2	1.799	2.667	12.8	20.6
4 1	14 22.35	− 7 58.5	1.728	2.667	9.2	20.3
4 11	14 14.82	− 6 47.4	1.682	2.666	5.2	20.1
4 21	14 6.11	− 5 34.7	1.664	2.664	2.5	19.9
5 1	13 57.21	− 4 27.3	1.673	2.663	5.2	20.1
5 11	13 49.16	− 3 31.7	1.710	2.660	9.2	20.3
5 21	13 42.74	− 2 52.2	1.770	2.657	12.9	20.5
5 31	13 38.51	− 2 31.0	1.851	2.654	16.1	20.7

284116 2005 UD_{77} 4 23.2 206°.47 2°.2/24.8 17

3 22	14 31.49	−20 2.6	1.615	2.459	15.3	21.4
4 1	14 25.36	−19 49.8	1.535	2.455	11.5	21.2
4 11	14 16.73	−19 19.8	1.477	2.450	7.2	20.9
4 21	14 6.49	−18 34.4	1.445	2.445	3.0	20.6
5 1	13 55.87	−17 37.9	1.440	2.439	3.9	20.7
5 11	13 46.20	−16 37.5	1.461	2.433	8.4	20.9
5 21	13 38.52	−15 41.0	1.507	2.426	12.8	21.2
5 31	13 33.53	−14 54.9	1.574	2.418	16.6	21.4

292587 2006 TT_{98} 4 23.2 200°.00 0°.1/23.1 17

3 22	14 25.49	−13 42.4	2.618	3.466	10.0	21.7
4 1	14 20.17	−13 20.9	2.536	3.463	7.2	21.5
4 11	14 13.44	−12 52.4	2.480	3.460	4.1	21.3
4 21	14 5.86	−12 19.3	2.452	3.456	0.7	21.1
5 1	13 58.12	−11 44.7	2.454	3.453	2.7	21.2
5 11	13 50.92	−11 12.2	2.485	3.448	6.0	21.4
5 21	13 44.84	−10 45.1	2.543	3.444	8.9	21.6
5 31	13 40.33	−10 26.1	2.625	3.439	11.5	21.8

111259 2001 XY_{22} 4 23.2 227°.78 0°.2/23.4 18

3 22	14 29.16	−14 27.3	2.181	3.029	11.7	19.5
4 1	14 23.14	−14 11.7	2.091	3.017	8.6	19.3
4 11	14 15.27	−13 47.2	2.026	3.006	4.9	19.0
4 21	14 6.22	−13 16.0	1.989	2.993	1.0	18.7
5 1	13 56.85	−12 41.6	1.981	2.980	3.1	18.9
5 11	13 48.10	−12 8.4	2.002	2.967	7.0	19.1
5 21	13 40.74	−11 40.7	2.049	2.953	10.6	19.3
5 31	13 35.36	−11 22.0	2.119	2.938	13.7	19.5

278962 2008 UD_{96} 4 23.2 199°.48 3°.3/20.5 17

3 22	14 26.49	− 5 15.8	1.919	2.792	11.9	20.4
4 1	14 21.21	− 4 31.9	1.852	2.791	8.6	20.2
4 11	14 14.14	− 3 45.5	1.809	2.791	5.2	19.9
4 21	14 6.00	− 3 1.7	1.794	2.791	3.3	19.8
5 1	13 57.69	− 2 25.7	1.806	2.790	5.5	20.0
5 11	13 50.14	− 2 1.9	1.845	2.790	9.0	20.2
5 21	13 44.10	− 1 52.8	1.907	2.789	12.4	20.4
5 31	13 40.06	− 1 59.5	1.990	2.789	15.3	20.6

498561 2008 JO_{30} 4 23.2 236°.35 7°.3/17.1 17

3 22	14 28.13	+ 5 22.5	1.830	2.700	12.5	21.6
4 1	14 22.48	+ 6 28.4	1.767	2.694	9.8	21.4
4 11	14 14.90	+ 7 27.6	1.729	2.688	7.7	21.3
4 21	14 6.15	+ 8 13.2	1.716	2.682	7.4	21.3
5 1	13 57.20	+ 8 39.2	1.729	2.675	9.3	21.3
5 11	13 49.07	+ 8 42.2	1.767	2.668	12.1	21.5
5 21	13 42.54	+ 8 22.0	1.827	2.661	15.0	21.7
5 31	13 38.16	+ 7 40.6	1.906	2.654	17.5	21.8

248985 2007 EU_{147} 4 23.2 279°.01 2°.1/19.4 18

3 22	14 17.74	− 2 51.7	4.422	5.285	5.9	20.8
4 1	14 14.19	− 2 15.0	4.338	5.271	4.3	20.7
4 11	14 9.92	− 1 38.2	4.281	5.258	2.7	20.5
4 21	14 5.21	− 1 3.3	4.255	5.245	2.1	20.5
5 1	14 0.42	− 0 32.5	4.258	5.231	3.2	20.6
5 11	13 55.89	− 0 7.8	4.290	5.218	4.8	20.7
5 21	13 51.92	+ 0 9.4	4.348	5.204	6.5	20.8
5 31	13 48.77	+ 0 18.4	4.431	5.191	8.0	20.9

272762 2005 YX_{161} 4 23.2 153°.40 1°.2/22.1 17

3 22	14 27.38	−11 8.0	2.236	3.092	11.1	21.4
4 1	14 21.61	−10 26.3	2.168	3.100	7.9	21.2
4 11	14 14.27	− 9 38.0	2.125	3.108	4.4	21.0
4 21	14 6.02	− 8 46.9	2.111	3.114	1.3	20.8
5 1	13 57.68	− 7 57.5	2.126	3.121	3.6	21.0
5 11	13 50.05	− 7 14.6	2.170	3.126	7.1	21.2
5 21	13 43.79	− 6 41.6	2.239	3.131	10.4	21.4
5 31	13 39.34	− 6 21.0	2.331	3.136	13.1	21.6

342929 2008 YW_{171} 4 23.2 193°.00 0°.3/23.5 18

3 22	14 25.81	−15 23.7	2.267	3.117	11.2	21.8
4 1	14 20.58	−14 57.6	2.189	3.116	8.2	21.6
4 11	14 13.75	−14 22.0	2.135	3.115	4.7	21.4
4 21	14 5.94	−13 39.7	2.109	3.113	1.0	21.1
5 1	13 57.96	−12 54.5	2.112	3.112	2.9	21.3
5 11	13 50.62	−12 11.1	2.144	3.110	6.5	21.5
5 21	13 44.59	−11 33.7	2.201	3.108	9.9	21.7
5 31	13 40.35	−11 5.6	2.281	3.106	12.7	21.9

62121 2000 RO_{102} 4 23.2 240°.69 1°.0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.88	−19 18.8	2.003	2.847	12.8	19.4
4 1	14 20.89	−18 25.1	1.915	2.837	9.5	19.2
4 11	14 14.03	−17 15.3	1.851	2.827	5.7	18.9
4 21	14 6.01	−15 52.6	1.814	2.816	1.7	18.7
5 1	13 57.73	−14 23.0	1.806	2.806	3.1	18.7
5 11	13 50.17	−12 53.8	1.826	2.795	7.2	19.0
5 21	13 44.10	−11 32.1	1.872	2.783	11.1	19.2
5 31	13 40.08	−10 23.6	1.941	2.772	14.4	19.4

44682 1999 RK_{197} 4 23.2 63°.47 3°.0/25.4 18

3 22	14 28.67	−21 55.1	1.423	2.273	16.6	17.8
4 1	14 23.37	−21 40.7	1.363	2.284	12.6	17.6
4 11	14 15.57	−21 6.0	1.323	2.295	8.1	17.4
4 21	14 6.29	−20 13.3	1.308	2.306	3.8	17.2
5 1	13 56.86	−19 8.4	1.318	2.318	4.2	17.2
5 11	13 48.62	−17 59.6	1.354	2.330	8.5	17.5
5 21	13 42.55	−16 55.6	1.414	2.341	12.8	17.8
5 31	13 39.23	−16 3.2	1.494	2.353	16.5	18.0

341409 2007 TM_{170} 4 23.2 162°.27 1°.2/24.4 18

3 22	14 27.73	−17 27.9	2.543	3.378	10.6	21.1
4 1	14 21.82	−17 25.4	2.465	3.382	7.9	21.0
4 11	14 14.39	−17 14.1	2.413	3.386	4.7	20.8
4 21	14 6.06	−16 55.1	2.388	3.390	1.7	20.6
5 1	13 57.57	−16 31.0	2.394	3.393	2.6	20.6
5 11	13 49.68	−16 5.4	2.429	3.396	5.8	20.8
5 21	13 43.03	−15 41.6	2.490	3.399	8.8	21.0
5 31	13 38.07	−15 23.0	2.576	3.401	11.4	21.2

54188 2000 HB_{75} 4 23.2 235°.84 2°.2/21.5 17

3 22	14 27.41	− 9 11.1	1.724	2.595	13.1	19.2
4 1	14 22.11	− 8 27.7	1.652	2.592	9.4	19.0
4 11	14 14.76	− 7 37.5	1.604	2.588	5.3	18.7
4 21	14 6.15	− 6 45.4	1.583	2.585	2.2	18.5
5 1	13 57.29	− 5 57.5	1.589	2.581	4.9	18.7
5 11	13 49.28	− 5 19.6	1.621	2.578	9.1	18.9
5 21	13 42.94	− 4 55.7	1.677	2.574	13.0	19.1
5 31	13 38.87	− 4 48.0	1.754	2.570	16.3	19.3

235580 2004 NX_{27} 4 23.2 326°.50 2°.2/24.6 15

3 22	14 25.87	−19 28.0	1.160	2.032	18.0	19.9
4 1	14 22.01	−19 10.6	1.086	2.022	13.6	19.6
4 11	14 15.15	−18 31.3	1.032	2.011	8.4	19.3
4 21	14 6.27	−17 32.5	1.000	2.002	3.1	18.9
5 1	13 56.84	−16 20.7	0.991	1.993	4.5	19.0
5 11	13 48.52	−15 6.5	1.006	1.984	10.1	19.3
5 21	13 42.61	−14 0.3	1.041	1.977	15.5	19.5
5 31	13 39.92	−13 10.4	1.095	1.970	20.1	19.8

513013 2017 UZ_{47} 4 23.2 241°.43 4°.8/18.8 17

3 22	14 25.68	+ 0 36.8	2.189	3.059	10.8	21.0
4 1	14 20.46	+ 1 25.0	2.122	3.056	8.0	20.8
4 11	14 13.66	+ 2 10.7	2.081	3.052	5.6	20.7
4 21	14 5.94	+ 2 49.1	2.067	3.049	4.9	20.6
5 1	13 58.06	+ 3 15.4	2.080	3.045	6.6	20.7
5 11	13 50.84	+ 3 26.7	2.120	3.042	9.3	20.9
5 21	13 44.92	+ 3 21.4	2.184	3.038	12.1	21.0
5 31	13 40.78	+ 3 0.0	2.268	3.034	14.5	21.2

216394 2008 DB_{3} 4 23.2 58°.35 2°.6/20.5 18

3 22	14 23.10	− 7 24.4	2.261	3.131	10.5	20.4
4 1	14 18.57	− 6 23.0	2.193	3.132	7.5	20.2
4 11	14 12.57	− 5 17.2	2.150	3.132	4.3	20.0
4 21	14 5.73	− 4 11.9	2.135	3.133	2.6	19.9
5 1	13 58.77	− 3 12.3	2.149	3.134	4.7	20.0
5 11	13 52.43	− 2 23.2	2.190	3.135	7.8	20.2
5 21	13 47.32	− 1 47.7	2.256	3.136	10.8	20.4
5 31	13 43.87	− 1 27.7	2.344	3.137	13.4	20.6

430138 2013 TA_{43} 4 23.2 214°.13 2°.3/21.1 17

3 22	14 27.56	− 7 57.7	2.183	3.045	11.1	22.1
4 1	14 21.88	− 7 12.1	2.102	3.038	8.0	21.9
4 11	14 14.52	− 6 21.4	2.048	3.030	4.6	21.7
4 21	14 6.10	− 5 30.1	2.021	3.022	2.3	21.5
5 1	13 57.47	− 4 42.9	2.024	3.013	4.5	21.6
5 11	13 49.47	− 4 4.7	2.055	3.003	8.0	21.8
5 21	13 42.83	− 3 38.7	2.111	2.993	11.3	22.0
5 31	13 38.05	− 3 27.0	2.188	2.982	14.2	22.2

514322 2016 NO_{14} 4 23.2 189°.74 8°.3/ 9.9 18

3 22	14 24.42	+21 33.0	3.159	3.970	9.4	22.0
4 1	14 19.19	+22 51.2	3.118	3.969	8.6	22.0
4 11	14 12.80	+23 56.3	3.103	3.967	8.3	21.9
4 21	14 5.77	+24 43.8	3.113	3.964	8.7	21.9
5 1	13 58.66	+25 10.7	3.147	3.961	9.6	22.0
5 11	13 52.06	+25 15.9	3.203	3.958	10.8	22.1
5 21	13 46.45	+25 0.4	3.280	3.954	12.0	22.2
5 31	13 42.19	+24 26.2	3.372	3.950	13.1	22.3

432770 2011 FR_{25} 4 23.2 302°.39 6°.9/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.11	+ 2 13.6	1.759	2.640	12.4	21.1
4 1	14 19.66	+ 3 52.5	1.697	2.633	9.5	20.9
4 11	14 13.34	+ 5 29.0	1.660	2.626	7.3	20.7
4 21	14 5.89	+ 6 54.4	1.649	2.620	7.1	20.7
5 1	13 58.25	+ 8 0.8	1.664	2.613	9.3	20.8
5 11	13 51.38	+ 8 43.0	1.703	2.607	12.3	21.0
5 21	13 46.05	+ 8 59.3	1.763	2.601	15.2	21.1
5 31	13 42.80	+ 8 50.4	1.842	2.595	17.9	21.3

112615 2002 PW_{67} 4 23.2 353°.21 0°.5/22.9 17

3 22	14 24.93	−14 26.0	1.247	2.128	16.4	19.5
4 1	14 20.96	−13 47.5	1.181	2.124	11.9	19.2
4 11	14 14.36	−12 53.7	1.136	2.121	6.8	18.9
4 21	14 6.10	−11 49.9	1.114	2.119	1.2	18.5
5 1	13 57.52	−10 44.1	1.117	2.117	4.6	18.8
5 11	13 50.03	− 9 45.4	1.144	2.116	10.1	19.1
5 21	13 44.71	− 9 1.1	1.192	2.116	14.9	19.3
5 31	13 42.23	− 8 35.8	1.259	2.117	19.0	19.6

282336 2002 VT 4 23.2 172°.49 1°.5/26.0 18

3 22	14 18.51	−22 30.2	4.601	5.412	6.7	20.4
4 1	14 14.74	−22 15.8	4.514	5.413	5.1	20.3
4 11	14 10.24	−21 54.4	4.453	5.413	3.4	20.1
4 21	14 5.30	−21 26.8	4.421	5.414	1.8	20.0
5 1	14 0.29	−20 54.7	4.418	5.414	1.8	20.0
5 11	13 55.57	−20 20.1	4.446	5.414	3.4	20.1
5 21	13 51.45	−19 45.2	4.502	5.415	5.1	20.3
5 31	13 48.20	−19 12.1	4.584	5.415	6.7	20.4

257454 4154 T-3 4 23.2 246°.41 2°.0/21.5 18

3 22	14 28.33	−10 20.5	1.877	2.741	12.6	21.5
4 1	14 22.79	− 9 24.5	1.788	2.724	9.1	21.2
4 11	14 15.20	− 8 19.1	1.723	2.706	5.1	21.0
4 21	14 6.26	− 7 9.2	1.685	2.688	2.0	20.7
5 1	13 56.94	− 6 1.4	1.676	2.668	4.8	20.9
5 11	13 48.30	− 5 2.3	1.695	2.648	9.0	21.1
5 21	13 41.21	− 4 17.1	1.737	2.628	12.9	21.3
5 31	13 36.30	− 3 49.3	1.801	2.607	16.3	21.4

264 Libussa 4 23.2 181°.82 1°.5/21.9 18 A

3 22	14 28.42	− 8 48.6	2.322	3.179	10.7	13.4
4 1	14 22.38	− 8 30.7	2.247	3.180	7.7	13.2
4 11	14 14.75	− 8 8.9	2.198	3.180	4.3	13.0
4 21	14 6.15	− 7 46.1	2.177	3.180	1.5	12.8
5 1	13 57.39	− 7 25.6	2.186	3.179	3.7	13.0
5 11	13 49.27	− 7 10.9	2.223	3.178	7.1	13.2
5 21	13 42.46	− 7 4.4	2.287	3.177	10.3	13.4
5 31	13 37.45	− 7 8.0	2.373	3.175	13.0	13.6

308381 2005 SJ_{1} 4 23.2 247°.24 5°.8/15.3 17

3 22	14 22.79	+ 3 37.8	2.531	3.399	9.6	20.8
4 1	14 18.27	+ 5 26.6	2.461	3.388	7.4	20.6
4 11	14 12.40	+ 7 13.3	2.419	3.376	6.0	20.5
4 21	14 5.72	+ 8 51.5	2.406	3.365	6.1	20.5
5 1	13 58.87	+10 14.7	2.422	3.353	7.8	20.6
5 11	13 52.53	+11 18.7	2.464	3.341	10.0	20.7
5 21	13 47.26	+12 1.4	2.529	3.328	12.3	20.9
5 31	13 43.49	+12 22.8	2.614	3.316	14.3	21.0

162552 2000 QC_{251} 4 23.2 231°.06 5°.1/19.4 18

3 22	14 31.03	− 1 6.0	1.794	2.663	12.8	20.0
4 1	14 24.74	− 0 14.1	1.716	2.651	9.5	19.7
4 11	14 16.29	+ 0 37.4	1.663	2.638	6.3	19.5
4 21	14 6.47	+ 1 22.4	1.637	2.625	5.1	19.4
5 1	13 56.32	+ 1 54.6	1.639	2.611	7.3	19.5
5 11	13 46.94	+ 2 9.5	1.666	2.596	10.9	19.7
5 21	13 39.23	+ 2 5.2	1.717	2.581	14.4	19.8
5 31	13 33.84	+ 1 41.5	1.788	2.565	17.5	20.0

160479 2006 WJ_{168} 4 23.2 21°.71 0°.3/22.9 17

3 22	14 24.31	−13 38.6	2.040	2.900	11.8	20.8
4 1	14 19.61	−13 10.7	1.970	2.903	8.5	20.6
4 11	14 13.24	−12 34.1	1.925	2.907	4.8	20.3
4 21	14 5.88	−11 52.2	1.906	2.911	0.9	20.1
5 1	13 58.38	−11 9.2	1.916	2.914	3.2	20.3
5 11	13 51.58	−10 30.2	1.953	2.919	7.1	20.5
5 21	13 46.19	− 9 59.2	2.015	2.923	10.5	20.7
5 31	13 42.68	− 9 39.2	2.099	2.928	13.5	20.9

390149 2012 VB_{88} 4 23.2 94°.07 4°.9/19.1 18

3 22	14 28.46	+ 3 8.4	2.358	3.219	10.5	20.6
4 1	14 22.23	+ 3 33.7	2.306	3.232	7.9	20.4
4 11	14 14.56	+ 3 53.7	2.279	3.245	5.6	20.3
4 21	14 6.11	+ 4 4.8	2.281	3.258	4.9	20.3
5 1	13 57.65	+ 4 3.8	2.311	3.271	6.4	20.4
5 11	13 49.93	+ 3 49.1	2.368	3.284	8.8	20.6
5 21	13 43.52	+ 3 20.7	2.450	3.296	11.2	20.7
5 31	13 38.84	+ 2 39.4	2.554	3.309	13.4	20.9

159544 2001 RP_{76} 4 23.2 255°.19 1°.4/22.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.21	−10 31.7	1.623	2.487	14.2	19.9
4 1	14 25.99	−10 12.4	1.533	2.468	10.4	19.7
4 11	14 17.21	− 9 45.2	1.466	2.449	5.9	19.3
4 21	14 6.68	− 9 13.4	1.425	2.429	1.6	19.0
5 1	13 55.57	− 8 42.2	1.412	2.408	4.7	19.2
5 11	13 45.19	− 8 17.4	1.425	2.387	9.6	19.4
5 21	13 36.67	− 8 3.5	1.463	2.365	14.2	19.6
5 31	13 30.81	− 8 4.0	1.520	2.343	18.1	19.8

271743 2004 RJ_{317} 4 23.2 302°.39 1°.3/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.91	−13 49.0	1.618	2.489	13.8	20.2
4 1	14 19.87	−12 38.9	1.530	2.470	10.0	19.9
4 11	14 13.65	−11 13.3	1.466	2.450	5.6	19.6
4 21	14 6.00	− 9 37.8	1.427	2.431	1.4	19.3
5 1	13 57.95	− 8 0.8	1.416	2.412	4.7	19.5
5 11	13 50.64	− 6 31.7	1.430	2.393	9.5	19.7
5 21	13 45.01	− 5 18.1	1.468	2.374	13.9	19.9
5 31	13 41.74	− 4 25.2	1.526	2.356	17.7	20.1

375985 2009 WG_{257} 4 23.2 189°.99 1°.3/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.40	−10 7.1	2.225	3.081	11.1	21.8
4 1	14 22.45	− 9 38.9	2.148	3.080	8.0	21.6
4 11	14 14.82	− 9 5.0	2.097	3.079	4.5	21.3
4 21	14 6.19	− 8 28.8	2.074	3.077	1.4	21.1
5 1	13 57.37	− 7 54.3	2.080	3.074	3.7	21.3
5 11	13 49.22	− 7 25.7	2.115	3.071	7.3	21.5
5 21	13 42.43	− 7 6.1	2.175	3.068	10.6	21.7
5 31	13 37.50	− 6 57.8	2.258	3.063	13.5	21.9

355651 2008 EH_{66} 4 23.2 279°.38 3°.7/26.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.38	−25 12.4	2.382	3.194	12.0	20.8
4 1	14 21.14	−25 24.2	2.291	3.186	9.5	20.6
4 11	14 14.16	−25 21.8	2.225	3.178	6.7	20.4
4 21	14 6.08	−25 5.2	2.184	3.170	4.2	20.3
5 1	13 57.70	−24 36.2	2.172	3.163	4.0	20.3
5 11	13 49.90	−23 58.6	2.188	3.155	6.3	20.4
5 21	13 43.42	−23 17.2	2.229	3.147	9.2	20.5
5 31	13 38.81	−22 37.0	2.295	3.140	12.0	20.7

31617 Meeraradha 4 23.2 343°.63 1°.2/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.13	− 9 17.7	1.148	2.033	17.2	17.5
4 1	14 25.79	− 9 37.5	1.080	2.026	12.6	17.1
4 11	14 17.31	− 9 52.7	1.033	2.019	7.2	16.8
4 21	14 6.71	−10 6.0	1.009	2.013	1.6	16.4
5 1	13 55.56	−10 20.9	1.009	2.008	5.2	16.7
5 11	13 45.57	−10 41.4	1.032	2.004	11.0	17.0
5 21	13 38.09	−11 10.7	1.076	2.001	16.1	17.2
5 31	13 33.95	−11 51.0	1.139	1.999	20.5	17.5

506509 2004 EN_{104} 4 23.2 25°.38 3°.4/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.63	−22 49.7	2.115	2.939	12.9	21.7
4 1	14 22.87	−23 11.6	2.036	2.940	10.0	21.5
4 11	14 15.18	−23 19.9	1.980	2.940	6.8	21.3
4 21	14 6.28	−23 14.7	1.950	2.941	4.0	21.2
5 1	13 57.08	−22 57.5	1.948	2.942	4.0	21.2
5 11	13 48.60	−22 32.4	1.974	2.943	6.8	21.3
5 21	13 41.63	−22 4.1	2.026	2.944	10.0	21.5
5 31	13 36.77	−21 37.7	2.101	2.945	13.0	21.7

271044 2003 FK_{6} 4 23.2 5°.10 4°.4/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.57	−20 36.5	1.459	2.306	16.5	19.7
4 1	14 26.47	−21 36.8	1.388	2.305	12.7	19.5
4 11	14 17.56	−22 23.4	1.338	2.306	8.5	19.2
4 21	14 6.75	−22 54.0	1.313	2.307	4.9	19.0
5 1	13 55.44	−23 8.8	1.314	2.309	5.2	19.0
5 11	13 45.13	−23 11.4	1.340	2.311	9.0	19.3
5 21	13 37.05	−23 7.5	1.389	2.314	13.2	19.5
5 31	13 31.99	−23 3.5	1.459	2.318	16.9	19.7

345413 2006 CP_{50} 4 23.2 54°.80 5°.0/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.29	−25 38.1	1.680	2.504	15.7	20.1
4 1	14 24.36	−26 6.9	1.618	2.518	12.4	19.9
4 11	14 16.10	−26 16.6	1.579	2.534	8.7	19.7
4 21	14 6.44	−26 6.6	1.564	2.549	5.7	19.6
5 1	13 56.60	−25 39.3	1.575	2.565	5.3	19.6
5 11	13 47.82	−25 0.3	1.612	2.581	8.0	19.8
5 21	13 41.03	−24 16.7	1.673	2.597	11.4	20.0
5 31	13 36.84	−23 35.3	1.756	2.613	14.5	20.2

229170 2004 TR_{136} 4 23.3 130°.38 2°.6/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.19	−22 10.4	2.089	2.917	12.9	20.6
4 1	14 22.43	−21 59.2	2.017	2.925	9.8	20.4
4 11	14 14.86	−21 33.2	1.968	2.934	6.4	20.2
4 21	14 6.21	−20 53.9	1.946	2.943	3.2	20.0
5 1	13 57.41	−20 4.8	1.953	2.951	3.4	20.0
5 11	13 49.42	−19 11.3	1.988	2.958	6.6	20.2
5 21	13 42.98	−18 19.1	2.048	2.966	10.0	20.5
5 31	13 38.59	−17 33.3	2.132	2.973	12.9	20.7

425114 2009 SZ_{159} 4 23.3 109°.82 3°.1/25.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.69	−21 49.9	2.036	2.859	13.4	21.9
4 1	14 25.69	−22 11.6	1.971	2.876	10.2	21.7
4 11	14 16.71	−22 19.5	1.930	2.893	6.7	21.5
4 21	14 6.55	−22 13.9	1.916	2.909	3.7	21.4
5 1	13 56.25	−21 56.8	1.930	2.925	3.8	21.4
5 11	13 46.86	−21 32.6	1.973	2.940	6.9	21.6
5 21	13 39.17	−21 6.1	2.041	2.955	10.2	21.9
5 31	13 33.74	−20 42.5	2.133	2.970	13.1	22.1

143720 2003 US_{182} 4 23.3 14°.86 0°.4/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.59	−15 10.9	1.196	2.076	17.1	19.6
4 1	14 22.21	−14 53.1	1.137	2.078	12.5	19.3
4 11	14 15.09	−14 20.3	1.098	2.082	7.2	19.0
4 21	14 6.28	−13 36.8	1.082	2.086	1.5	18.7
5 1	13 57.20	−12 49.2	1.091	2.092	4.4	18.9
5 11	13 49.34	−12 5.7	1.123	2.098	9.8	19.2
5 21	13 43.79	−11 33.2	1.176	2.105	14.7	19.5
5 31	13 41.21	−11 16.4	1.248	2.112	18.8	19.8

235109 2003 OB_{24} 4 23.3 339°.57 4°.3/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.67	−26 16.3	1.699	2.526	15.4	19.9
4 1	14 21.12	−26 4.9	1.619	2.523	12.1	19.7
4 11	14 14.34	−25 31.7	1.561	2.519	8.5	19.5
4 21	14 6.13	−24 37.5	1.526	2.516	5.2	19.3
5 1	13 57.64	−23 26.2	1.518	2.513	4.7	19.2
5 11	13 50.03	−22 5.3	1.536	2.510	7.8	19.4
5 21	13 44.24	−20 43.5	1.579	2.508	11.6	19.6
5 31	13 40.90	−19 28.8	1.643	2.506	15.1	19.8

16227 2000 DY_{73} 4 23.3 269°.29 0°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.77	−15 24.2	2.068	2.922	12.0	18.4
4 1	14 20.76	−14 59.5	1.985	2.914	8.8	18.2
4 11	14 13.97	−14 24.5	1.925	2.905	5.1	18.0
4 21	14 6.06	−13 41.8	1.893	2.897	1.1	17.7
5 1	13 57.89	−12 55.6	1.889	2.889	3.1	17.8
5 11	13 50.37	−12 11.1	1.913	2.881	7.1	18.0
5 21	13 44.26	−11 32.9	1.962	2.873	10.7	18.2
5 31	13 40.10	−11 5.1	2.034	2.864	13.8	18.4

172468 2003 SE_{37} 4 23.3 198°.10 3°.9/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.37	−23 56.9	1.789	2.614	14.9	20.5
4 1	14 25.18	−24 4.3	1.707	2.611	11.6	20.3
4 11	14 16.64	−23 54.0	1.648	2.609	7.9	20.0
4 21	14 6.58	−23 25.8	1.614	2.606	4.5	19.8
5 1	13 56.15	−22 42.4	1.608	2.602	4.5	19.8
5 11	13 46.60	−21 49.8	1.628	2.599	7.8	20.0
5 21	13 38.92	−20 55.0	1.674	2.594	11.6	20.2
5 31	13 33.77	−20 5.2	1.742	2.589	15.1	20.4

465371 2008 CQ_{125} 4 23.3 105°.77 0°.7/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.91	−16 27.5	1.682	2.536	14.3	22.5
4 1	14 23.88	−16 3.2	1.621	2.550	10.4	22.2
4 11	14 15.74	−15 26.2	1.584	2.563	6.1	22.0
4 21	14 6.39	−14 39.8	1.573	2.577	1.5	21.7
5 1	13 56.94	−13 49.1	1.590	2.590	3.5	21.9
5 11	13 48.53	−13 0.6	1.633	2.602	7.9	22.2
5 21	13 41.98	−12 19.8	1.701	2.615	11.9	22.5
5 31	13 37.82	−11 51.0	1.791	2.627	15.2	22.7

194263 2001 UL 4 23.3 102°.40 4°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.36	− 6 18.9	1.661	2.532	13.5	20.2
4 1	14 23.90	− 4 10.5	1.622	2.561	9.6	20.0
4 11	14 15.58	− 1 58.6	1.609	2.588	5.9	19.9
4 21	14 6.35	+ 0 6.9	1.624	2.615	4.7	19.8
5 1	13 57.27	+ 1 56.0	1.669	2.641	7.2	20.0
5 11	13 49.34	+ 3 21.8	1.741	2.667	10.7	20.3
5 21	13 43.26	+ 4 21.3	1.836	2.691	14.0	20.6
5 31	13 39.43	+ 4 54.9	1.950	2.714	16.6	20.8

359815 2011 UM_{275} 4 23.3 343°.36 3°.0/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.87	−21 52.4	1.277	2.136	17.6	20.3
4 1	14 22.49	−21 31.6	1.206	2.132	13.4	20.0
4 11	14 15.33	−20 47.5	1.155	2.129	8.6	19.7
4 21	14 6.37	−19 42.4	1.127	2.127	3.9	19.5
5 1	13 57.04	−18 22.7	1.124	2.125	4.4	19.5
5 11	13 48.84	−16 58.6	1.145	2.123	9.3	19.7
5 21	13 42.94	−15 40.7	1.189	2.122	14.2	20.0
5 31	13 40.04	−14 37.3	1.251	2.121	18.4	20.3

55498 2001 UT_{83} 4 23.3 101°.22 0°.3/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.15	−12 48.7	3.412	4.259	7.9	20.0
4 1	14 17.47	−12 25.0	3.349	4.276	5.6	19.8
4 11	14 11.83	−11 56.7	3.312	4.293	3.1	19.7
4 21	14 5.67	−11 25.7	3.305	4.309	0.6	19.5
5 1	13 59.47	−10 54.6	3.327	4.325	2.2	19.6
5 11	13 53.71	−10 26.0	3.380	4.341	4.7	19.8
5 21	13 48.81	−10 2.1	3.460	4.356	6.9	20.0
5 31	13 45.05	− 9 44.7	3.564	4.372	8.9	20.2

64855 2001 YA_{35} 4 23.3 203°.16 3°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.14	− 1 45.6	2.622	3.484	9.5	19.9
4 1	14 20.61	− 1 12.2	2.548	3.481	6.9	19.8
4 11	14 13.73	− 0 39.5	2.502	3.477	4.5	19.6
4 21	14 6.03	− 0 11.1	2.483	3.473	3.4	19.5
5 1	13 58.20	+ 0 9.4	2.494	3.468	5.0	19.6
5 11	13 50.91	+ 0 19.3	2.533	3.464	7.6	19.8
5 21	13 44.73	+ 0 17.3	2.598	3.458	10.2	19.9
5 31	13 40.08	+ 0 2.8	2.685	3.453	12.5	20.1

237305 2008 YT_{88} 4 23.3 226°.14 0°.5/23.7 18

3 22	14 26.32	−15 54.5	2.188	3.036	11.6	21.2
4 1	14 21.08	−15 32.2	2.106	3.032	8.5	21.0
4 11	14 14.13	−14 59.8	2.048	3.027	5.0	20.8
4 21	14 6.13	−14 19.8	2.018	3.022	1.2	20.5
5 1	13 57.90	−13 36.0	2.017	3.016	2.9	20.6
5 11	13 50.31	−12 53.2	2.043	3.011	6.7	20.8
5 21	13 44.08	−12 15.9	2.096	3.005	10.2	21.0
5 31	13 39.73	−11 47.8	2.171	2.999	13.2	21.2

101889 1999 NE_{55} 4 23.3 213°.50 6°.3/ 1.0 18

3 22	14 26.59	−37 22.5	2.691	3.428	12.7	19.1
4 1	14 21.24	−37 22.4	2.597	3.424	10.8	18.9
4 11	14 14.20	−37 2.0	2.525	3.420	8.8	18.8
4 21	14 6.14	−36 20.3	2.477	3.416	7.0	18.7
5 1	13 57.87	−35 18.7	2.455	3.412	6.3	18.6
5 11	13 50.28	−34 1.4	2.461	3.407	7.0	18.6
5 21	13 44.05	−32 34.4	2.494	3.402	8.8	18.7
5 31	13 39.70	−31 4.3	2.552	3.397	10.9	18.9

269090 2007 HA_{41} 4 23.3 38°.43 1°.6/21.9 18

3 22	14 24.17	−13 14.2	1.540	2.415	14.2	20.0
4 1	14 19.87	−11 55.2	1.481	2.423	10.1	19.7
4 11	14 13.53	−10 23.5	1.446	2.431	5.6	19.5
4 21	14 6.01	− 8 46.3	1.436	2.440	1.6	19.2
5 1	13 58.40	− 7 12.4	1.454	2.449	4.8	19.5
5 11	13 51.77	− 5 50.7	1.497	2.458	9.2	19.7
5 21	13 46.92	− 4 47.0	1.563	2.468	13.3	20.0
5 31	13 44.35	− 4 4.7	1.650	2.478	16.6	20.2

478050 2011 SR_{265} 4 23.3 240°.69 0°.8/22.4 18

3 22	14 25.52	−11 18.7	2.466	3.321	10.2	21.7
4 1	14 20.33	−10 54.2	2.381	3.313	7.4	21.5
4 11	14 13.65	−10 23.7	2.321	3.303	4.1	21.3
4 21	14 6.05	− 9 50.0	2.290	3.294	1.0	21.0
5 1	13 58.23	− 9 16.7	2.289	3.285	3.2	21.2
5 11	13 50.94	− 8 47.5	2.315	3.275	6.6	21.4
5 21	13 44.82	− 8 25.6	2.368	3.265	9.7	21.6
5 31	13 40.33	− 8 13.4	2.444	3.255	12.4	21.7

170159 2003 EG_{18} 4 23.3 330°.88 1°.4/22.1 17

3 22	14 24.34	−10 31.4	1.973	2.841	11.9	19.9
4 1	14 19.77	− 9 58.8	1.896	2.834	8.5	19.6
4 11	14 13.43	− 9 19.4	1.844	2.828	4.8	19.4
4 21	14 6.01	− 8 37.0	1.818	2.821	1.5	19.1
5 1	13 58.36	− 7 56.5	1.820	2.815	4.0	19.3
5 11	13 51.38	− 7 22.8	1.849	2.810	7.8	19.5
5 21	13 45.81	− 6 59.5	1.903	2.805	11.4	19.7
5 31	13 42.18	− 6 49.4	1.978	2.800	14.5	19.9

227362 2005 UD_{153} 4 23.3 312°.28 1°.2/24.2 17

3 22	14 26.37	−17 47.3	1.617	2.475	14.5	20.3
4 1	14 21.66	−17 24.3	1.538	2.467	10.8	20.1
4 11	14 14.69	−16 46.1	1.481	2.460	6.5	19.8
4 21	14 6.26	−15 55.5	1.450	2.453	2.0	19.5
5 1	13 57.50	−14 57.6	1.445	2.446	3.6	19.6
5 11	13 49.59	−13 59.7	1.467	2.439	8.2	19.8
5 21	13 43.47	−13 8.6	1.512	2.433	12.5	20.1
5 31	13 39.81	−12 29.7	1.578	2.427	16.3	20.3

405871 2006 DW_{149} 4 23.3 88°.19 2°.3/21.5 16

3 22	14 27.52	−11 10.9	1.391	2.269	15.2	21.3
4 1	14 22.53	−10 2.8	1.329	2.272	10.9	21.1
4 11	14 15.15	− 8 43.4	1.291	2.276	6.1	20.8
4 21	14 6.34	− 7 19.7	1.277	2.280	2.3	20.6
5 1	13 57.35	− 6 1.0	1.289	2.283	5.6	20.8
5 11	13 49.45	− 4 55.7	1.327	2.287	10.4	21.1
5 21	13 43.59	− 4 9.7	1.387	2.290	14.7	21.3
5 31	13 40.35	− 3 45.6	1.466	2.294	18.4	21.6

6148 Ignazgünther 4 23.3 79°.71 7°.8/16.1 18

3 22	14 28.66	− 1 3.9	1.339	2.225	15.2	16.9
4 1	14 22.99	+ 1 50.1	1.311	2.252	11.2	16.7
4 11	14 15.18	+ 4 40.4	1.308	2.279	8.3	16.6
4 21	14 6.30	+ 7 12.2	1.333	2.305	8.3	16.7
5 1	13 57.62	+ 9 13.3	1.383	2.332	10.9	16.9
5 11	13 50.26	+10 37.6	1.457	2.357	14.2	17.2
5 21	13 44.98	+11 24.8	1.552	2.383	17.3	17.5
5 31	13 42.19	+11 38.7	1.663	2.407	19.8	17.7

48913 1998 OH_2 4 23.3 324°.36 1°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.77	−12 6.6	1.326	2.208	15.6	18.2
4 1	14 21.59	−11 31.9	1.251	2.195	11.3	17.9
4 11	14 14.82	−10 45.1	1.197	2.183	6.4	17.6
4 21	14 6.32	− 9 51.3	1.167	2.171	1.5	17.2
5 1	13 57.36	− 8 57.7	1.162	2.160	5.0	17.4
5 11	13 49.35	− 8 12.3	1.181	2.150	10.3	17.7
5 21	13 43.39	− 7 41.5	1.222	2.140	15.1	17.9
5 31	13 40.23	− 7 29.1	1.281	2.131	19.2	18.2

364779 2007 YT_{69} 4 23.3 177°.02 1°.1/22.3 16

3 22	14 29.60	−11 41.5	1.999	2.856	12.2	22.0
4 1	14 23.48	−11 3.8	1.926	2.858	8.8	21.8
4 11	14 15.50	−10 18.1	1.878	2.860	4.9	21.6
4 21	14 6.41	− 9 28.3	1.857	2.861	1.2	21.3
5 1	13 57.14	− 8 39.4	1.866	2.862	3.8	21.5
5 11	13 48.66	− 7 56.6	1.902	2.861	7.8	21.7
5 21	13 41.72	− 7 24.2	1.965	2.860	11.4	22.0
5 31	13 36.86	− 7 4.9	2.048	2.859	14.5	22.2

354781 2005 UH_{170} 4 23.3 258°.36 1°.3/24.7 16

3 22	14 23.92	−19 18.4	2.446	3.283	10.9	21.7
4 1	14 19.22	−18 51.6	2.361	3.279	8.1	21.5
4 11	14 13.04	−18 13.1	2.301	3.274	5.0	21.3
4 21	14 5.95	−17 25.1	2.269	3.270	1.9	21.1
5 1	13 58.67	−16 31.2	2.265	3.265	2.6	21.1
5 11	13 51.98	−15 36.1	2.290	3.260	5.9	21.3
5 21	13 46.47	−14 44.3	2.342	3.256	9.0	21.5
5 31	13 42.63	−14 0.1	2.417	3.251	11.8	21.7

411658 2011 WD_{19} 4 23.3 346°.87 2°.9/25.4 17

3 22	14 26.70	−22 5.8	1.328	2.184	17.2	20.6
4 1	14 22.29	−21 39.9	1.256	2.181	13.1	20.4
4 11	14 15.19	−20 50.9	1.206	2.179	8.4	20.1
4 21	14 6.38	−19 41.3	1.178	2.177	3.8	19.8
5 1	13 57.23	−18 17.5	1.175	2.176	4.3	19.8
5 11	13 49.20	−16 49.8	1.197	2.175	9.1	20.1
5 21	13 43.37	−15 28.6	1.242	2.174	13.8	20.3
5 31	13 40.44	−14 21.9	1.307	2.173	18.0	20.6

100481 1996 UJ_1 4 23.3 199°.44 0°.7/22.7 16

3 22	14 30.53	−12 36.6	2.167	3.017	11.7	21.3
4 1	14 24.10	−12 4.7	2.084	3.012	8.5	21.1
4 11	14 15.86	−11 24.5	2.026	3.007	4.8	20.8
4 21	14 6.49	−10 39.2	1.997	3.001	1.0	20.5
5 1	13 56.87	− 9 53.2	1.997	2.994	3.5	20.7
5 11	13 47.94	− 9 11.3	2.026	2.986	7.3	20.9
5 21	13 40.46	− 8 37.8	2.082	2.977	10.9	21.1
5 31	13 34.96	− 8 15.8	2.160	2.967	13.9	21.3

123104 2000 SV_{348} 4 23.3 358°.02 3°.5/21.2 17 R

3 22	14 31.56	− 3 35.5	1.678	2.549	13.5	18.6
4 1	14 25.17	− 3 28.9	1.611	2.548	9.8	18.4
4 11	14 16.58	− 3 23.2	1.567	2.548	5.9	18.2
4 21	14 6.63	− 3 22.3	1.550	2.548	3.5	18.0
5 1	13 56.45	− 3 29.9	1.560	2.548	5.8	18.2
5 11	13 47.18	− 3 48.7	1.597	2.548	9.7	18.4
5 21	13 39.74	− 4 20.0	1.658	2.548	13.4	18.6
5 31	13 34.72	− 5 3.8	1.739	2.549	16.7	18.8

345604 2006 SH_{155} 4 23.3 120°.02 7°.5/13.4 17

3 22	14 24.41	+13 4.8	2.683	3.530	9.8	21.4
4 1	14 19.26	+14 31.7	2.649	3.545	8.3	21.3
4 11	14 12.91	+15 47.9	2.641	3.560	7.5	21.3
4 21	14 5.91	+16 48.1	2.661	3.574	7.8	21.3
5 1	13 58.91	+17 28.6	2.706	3.589	8.9	21.4
5 11	13 52.52	+17 47.7	2.776	3.602	10.5	21.6
5 21	13 47.25	+17 46.1	2.867	3.616	12.1	21.7
5 31	13 43.45	+17 25.4	2.976	3.629	13.6	21.8

243642 1999 TL_{101} 4 23.3 217°.48 3°.5/20.4 17

3 22	14 30.46	− 4 13.9	2.098	2.960	11.5	20.9
4 1	14 24.10	− 3 30.8	2.016	2.950	8.4	20.7
4 11	14 15.88	− 2 45.7	1.961	2.939	5.2	20.4
4 21	14 6.50	− 2 3.3	1.933	2.928	3.5	20.3
5 1	13 56.85	− 1 28.6	1.935	2.915	5.6	20.4
5 11	13 47.86	− 1 5.8	1.964	2.902	9.0	20.6
5 21	13 40.32	− 0 57.5	2.018	2.888	12.3	20.8
5 31	13 34.78	− 1 4.7	2.094	2.873	15.2	20.9

124831 2001 SV_{327} 4 23.3 115°.94 2°.7/21.6 18

3 22	14 31.52	− 8 10.5	1.437	2.312	15.1	20.2
4 1	14 25.33	− 7 35.6	1.379	2.320	10.8	20.0
4 11	14 16.71	− 6 55.0	1.344	2.328	6.2	19.8
4 21	14 6.66	− 6 14.3	1.335	2.336	2.7	19.6
5 1	13 56.46	− 5 39.8	1.351	2.344	5.6	19.8
5 11	13 47.42	− 5 17.0	1.394	2.351	10.2	20.0
5 21	13 40.48	− 5 9.6	1.459	2.359	14.3	20.3
5 31	13 36.23	− 5 18.8	1.543	2.365	17.9	20.5

155326 2006 AN_{97} 4 23.3 114°.69 4°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 19.25	+11 32.9	4.401	5.245	6.3	19.9
4 1	14 15.27	+12 8.6	4.347	5.247	5.2	19.8
4 11	14 10.58	+12 38.3	4.320	5.248	4.6	19.8
4 21	14 5.49	+12 59.8	4.321	5.249	4.6	19.8
5 1	14 0.35	+13 11.1	4.349	5.250	5.4	19.8
5 11	13 55.52	+13 11.3	4.404	5.252	6.5	19.9
5 21	13 51.31	+13 0.0	4.483	5.253	7.8	20.0
5 31	13 47.96	+12 37.8	4.582	5.254	8.9	20.1

180423 2004 BQ_{75} 4 23.3 85°.80 8°.9/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.27	−34 36.2	1.658	2.435	17.9	20.3
4 1	14 27.70	−35 36.7	1.590	2.446	15.1	20.1
4 11	14 18.27	−36 11.6	1.543	2.456	12.1	19.9
4 21	14 6.98	−36 17.0	1.518	2.467	9.8	19.8
5 1	13 55.29	−35 52.6	1.517	2.478	9.0	19.8
5 11	13 44.76	−35 3.9	1.541	2.488	10.2	19.9
5 21	13 36.59	−33 59.7	1.588	2.499	12.7	20.0
5 31	13 31.50	−32 50.2	1.656	2.509	15.5	20.2

92627 2000 QW_{13} 4 23.3 172°.16 1°.8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.11	−10 22.5	1.959	2.818	12.3	20.1
4 1	14 23.84	− 9 31.1	1.889	2.822	8.8	19.9
4 11	14 15.70	− 8 32.2	1.844	2.826	5.0	19.7
4 21	14 6.46	− 7 30.5	1.826	2.829	1.8	19.5
5 1	13 57.08	− 6 31.9	1.838	2.831	4.4	19.7
5 11	13 48.51	− 5 42.0	1.878	2.832	8.3	19.9
5 21	13 41.53	− 5 4.9	1.943	2.832	11.8	20.1
5 31	13 36.66	− 4 43.1	2.030	2.832	14.9	20.3

312129 2007 TJ_{254} 4 23.3 103°.14 1°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.69	−10 3.5	1.638	2.505	13.9	21.3
4 1	14 24.38	− 9 19.9	1.586	2.523	9.9	21.1
4 11	14 16.01	− 8 29.4	1.558	2.542	5.5	20.8
4 21	14 6.52	− 7 37.2	1.557	2.560	2.0	20.6
5 1	13 57.02	− 6 49.5	1.584	2.577	4.7	20.9
5 11	13 48.61	− 6 11.9	1.637	2.594	8.9	21.1
5 21	13 42.09	− 5 48.1	1.714	2.611	12.7	21.4
5 31	13 37.95	− 5 40.0	1.811	2.627	15.9	21.7

158014 2000 QP_{165} 4 23.3 309°.31 3°.7/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.92	− 7 53.9	1.557	2.439	13.6	19.5
4 1	14 19.88	− 6 30.1	1.480	2.426	9.8	19.2
4 11	14 13.69	− 4 57.1	1.428	2.412	5.8	18.9
4 21	14 6.12	− 3 22.5	1.401	2.399	3.7	18.8
5 1	13 58.22	− 1 55.7	1.400	2.386	6.6	18.9
5 11	13 51.13	− 0 45.0	1.425	2.373	10.9	19.1
5 21	13 45.74	+ 0 4.0	1.472	2.361	14.9	19.3
5 31	13 42.69	+ 0 28.8	1.537	2.349	18.4	19.5

368693 2005 SY_{77} 4 23.3 181°.24 1°.8/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.27	− 9 48.9	2.211	3.070	11.1	22.2
4 1	14 21.65	− 8 53.7	2.137	3.072	7.9	22.0
4 11	14 14.42	− 7 52.0	2.090	3.072	4.5	21.8
4 21	14 6.23	− 6 48.2	2.070	3.072	1.9	21.6
5 1	13 57.90	− 5 47.8	2.081	3.072	4.2	21.8
5 11	13 50.26	− 4 55.8	2.119	3.070	7.6	22.0
5 21	13 43.96	− 4 15.9	2.183	3.068	10.9	22.2
5 31	13 39.48	− 3 50.6	2.270	3.066	13.7	22.4

318485 2005 EF_{99} 4 23.3 54°.41 2°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.45	−19 38.5	1.272	2.134	17.5	21.0
4 1	14 24.04	−19 21.3	1.223	2.153	13.0	20.8
4 11	14 16.02	−18 45.0	1.195	2.172	7.9	20.5
4 21	14 6.53	−17 53.0	1.191	2.192	3.0	20.3
5 1	13 57.02	−16 52.1	1.212	2.212	4.1	20.4
5 11	13 48.89	−15 51.1	1.257	2.233	8.9	20.7
5 21	13 43.10	−14 58.1	1.325	2.254	13.4	21.1
5 31	13 40.19	−14 18.7	1.413	2.274	17.2	21.3

36434 2000 PA_{19} 4 23.3 139°.51 3°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.46	− 7 26.1	1.659	2.529	13.6	19.6
4 1	14 24.29	− 6 35.5	1.599	2.538	9.8	19.4
4 11	14 16.02	− 5 40.0	1.564	2.547	5.6	19.2
4 21	14 6.54	− 4 45.3	1.555	2.555	3.0	19.0
5 1	13 56.95	− 3 57.9	1.574	2.563	5.6	19.2
5 11	13 48.37	− 3 23.3	1.620	2.570	9.6	19.4
5 21	13 41.62	− 3 4.8	1.689	2.577	13.4	19.7
5 31	13 37.24	− 3 3.6	1.778	2.583	16.5	19.9

113509 2002 TK_{8} 4 23.3 108°.45 0°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.60	−14 55.3	2.275	3.124	11.2	20.5
4 1	14 21.09	−14 27.3	2.211	3.138	8.1	20.3
4 11	14 14.05	−13 50.6	2.172	3.152	4.6	20.1
4 21	14 6.16	−13 8.1	2.162	3.166	0.9	19.8
5 1	13 58.21	−12 23.9	2.180	3.180	2.8	20.0
5 11	13 50.97	−11 42.3	2.227	3.193	6.4	20.2
5 21	13 45.08	−11 7.3	2.301	3.206	9.6	20.5
5 31	13 40.97	−10 41.9	2.397	3.218	12.3	20.7

502114 2015 BG_{5} 4 23.3 151°.09 5°.0/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.07	−29 32.4	2.141	2.932	13.9	21.8
4 1	14 23.93	−29 35.9	2.063	2.940	11.2	21.6
4 11	14 15.82	−29 20.0	2.007	2.946	8.2	21.4
4 21	14 6.52	−28 44.3	1.977	2.953	5.7	21.3
5 1	13 57.02	−27 51.4	1.975	2.959	5.2	21.3
5 11	13 48.35	−26 46.5	2.001	2.964	7.1	21.4
5 21	13 41.34	−25 36.6	2.052	2.969	10.0	21.6
5 31	13 36.53	−24 28.5	2.127	2.974	12.7	21.8

504271 2006 WJ_{20} 4 23.3 173°.83 1°.5/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.37	− 7 14.4	2.954	3.806	8.8	21.9
4 1	14 21.38	− 7 1.0	2.878	3.808	6.3	21.7
4 11	14 14.16	− 6 45.6	2.830	3.811	3.6	21.5
4 21	14 6.20	− 6 30.5	2.811	3.812	1.6	21.4
5 1	13 58.12	− 6 18.0	2.823	3.814	3.2	21.5
5 11	13 50.55	− 6 10.7	2.865	3.815	6.0	21.7
5 21	13 44.00	− 6 10.2	2.934	3.815	8.5	21.8
5 31	13 38.87	− 6 17.7	3.027	3.815	10.8	22.0

228323 2000 QP_{204} 4 23.3 184°.18 0°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.50	−15 40.9	2.401	3.244	10.9	21.4
4 1	14 21.77	−15 5.4	2.320	3.244	8.0	21.2
4 11	14 14.49	−14 20.1	2.266	3.244	4.6	21.0
4 21	14 6.27	−13 28.0	2.239	3.243	0.9	20.8
5 1	13 57.90	−12 33.0	2.243	3.242	2.8	20.9
5 11	13 50.16	−11 40.0	2.275	3.240	6.3	21.1
5 21	13 43.69	−10 53.4	2.335	3.237	9.6	21.3
5 31	13 38.98	−10 16.7	2.418	3.233	12.4	21.5

465411 2008 KP_{1} 4 23.3 321°.63 3°.6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.88	− 7 57.5	1.383	2.271	14.6	20.5
4 1	14 20.14	− 6 51.6	1.306	2.254	10.6	20.2
4 11	14 13.99	− 5 36.4	1.251	2.236	6.2	19.9
4 21	14 6.22	− 4 19.2	1.220	2.220	3.6	19.7
5 1	13 58.02	− 3 9.3	1.214	2.204	6.7	19.8
5 11	13 50.67	− 2 15.1	1.232	2.188	11.4	20.1
5 21	13 45.20	− 1 42.3	1.272	2.174	15.9	20.3
5 31	13 42.33	− 1 33.4	1.329	2.160	19.8	20.5

490795 2010 VQ_{28} 4 23.3 129°.18 16°.0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 43.45	+22 12.7	1.226	2.057	19.9	20.6
4 1	14 34.14	+23 8.3	1.189	2.065	17.7	20.5
4 11	14 21.71	+23 31.3	1.172	2.072	16.3	20.4
4 21	14 7.62	+23 11.4	1.175	2.078	16.2	20.4
5 1	13 53.71	+22 4.6	1.199	2.085	17.5	20.5
5 11	13 41.71	+20 15.2	1.244	2.091	19.6	20.7
5 21	13 32.71	+17 52.7	1.307	2.096	22.1	20.9
5 31	13 27.21	+15 7.8	1.386	2.101	24.3	21.1

117658 2005 ER_{187} 4 23.3 12°.01 1°.0/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.85	−13 39.6	1.196	2.081	16.7	19.5
4 1	14 20.95	−12 53.1	1.137	2.083	12.0	19.2
4 11	14 14.43	−11 51.8	1.100	2.086	6.8	18.9
4 21	14 6.29	−10 42.2	1.085	2.089	1.4	18.6
5 1	13 57.92	− 9 33.1	1.095	2.094	4.9	18.8
5 11	13 50.74	− 8 33.8	1.128	2.099	10.3	19.1
5 21	13 45.77	− 7 51.2	1.183	2.106	15.1	19.4
5 31	13 43.63	− 7 29.1	1.256	2.113	19.1	19.7

180889 2005 JR_{133} 4 23.3 276°.34 2°.8/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.40	− 8 1.9	1.713	2.585	13.2	20.8
4 1	14 23.14	− 7 13.4	1.621	2.560	9.6	20.5
4 11	14 15.62	− 6 17.3	1.552	2.535	5.6	20.2
4 21	14 6.54	− 5 19.0	1.509	2.510	2.8	20.0
5 1	13 56.94	− 4 25.0	1.494	2.484	5.6	20.1
5 11	13 47.98	− 3 42.0	1.505	2.458	10.0	20.3
5 21	13 40.66	− 3 14.9	1.540	2.432	14.2	20.5
5 31	13 35.72	− 3 6.5	1.594	2.405	17.9	20.6

478762 2012 UM_{109} 4 23.3 302°.88 0°.4/23.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.44	−11 9.5	1.729	2.590	13.6	21.4
4 1	14 25.56	−11 23.0	1.624	2.558	10.0	21.1
4 11	14 17.14	−11 31.3	1.543	2.525	5.8	20.8
4 21	14 6.86	−11 36.0	1.489	2.493	1.1	20.4
5 1	13 55.79	−11 39.6	1.462	2.460	4.0	20.5
5 11	13 45.20	−11 45.9	1.462	2.428	8.9	20.8
5 21	13 36.26	−11 58.1	1.486	2.396	13.5	20.9
5 31	13 29.84	−12 19.6	1.531	2.364	17.5	21.1

272781 2005 YT_{208} 4 23.3 233°.56 7°.6/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.69	−34 42.0	2.068	2.832	15.2	20.2
4 1	14 25.55	−35 19.7	1.975	2.823	12.9	20.0
4 11	14 16.99	−35 35.7	1.903	2.814	10.4	19.8
4 21	14 6.80	−35 27.1	1.855	2.804	8.3	19.7
5 1	13 56.10	−34 53.7	1.832	2.794	7.6	19.6
5 11	13 46.14	−33 59.5	1.836	2.784	8.8	19.6
5 21	13 37.99	−32 51.5	1.864	2.773	11.3	19.8
5 31	13 32.37	−31 38.2	1.916	2.762	13.9	19.9

63062 2000 WL_{118} 4 23.3 70°.38 1°.5/22.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.32	− 9 29.8	1.759	2.626	13.1	18.7
4 1	14 23.39	− 9 14.0	1.702	2.638	9.4	18.5
4 11	14 15.49	− 8 53.1	1.668	2.651	5.3	18.3
4 21	14 6.47	− 8 30.6	1.661	2.664	1.6	18.0
5 1	13 57.36	− 8 10.7	1.682	2.677	4.2	18.2
5 11	13 49.20	− 7 57.7	1.729	2.690	8.3	18.5
5 21	13 42.75	− 7 54.4	1.801	2.703	11.9	18.8
5 31	13 38.55	− 8 2.7	1.894	2.716	15.0	19.0

436698 2011 SX_{269} 4 23.3 228°.61 3°.7/20.0 16

3 22	14 28.84	− 0 9.1	2.597	3.455	9.7	21.2
4 1	14 22.62	+ 0 7.1	2.519	3.447	7.2	21.0
4 11	14 14.94	+ 0 20.9	2.467	3.439	4.7	20.8
4 21	14 6.38	+ 0 29.1	2.443	3.431	3.7	20.8
5 1	13 57.63	+ 0 28.7	2.450	3.422	5.2	20.8
5 11	13 49.42	+ 0 17.8	2.484	3.413	7.8	21.0
5 21	13 42.37	− 0 4.6	2.545	3.404	10.4	21.2
5 31	13 36.94	− 0 38.3	2.628	3.395	12.8	21.3

64839 2001 YJ_3 4 23.3 225°.85 3°.0/25.5 18

3 22	14 32.20	−21 28.6	2.179	3.000	12.7	19.3
4 1	14 25.56	−21 50.0	2.085	2.990	9.8	19.1
4 11	14 16.86	−21 59.2	2.016	2.979	6.5	18.9
4 21	14 6.77	−21 55.8	1.974	2.968	3.5	18.7
5 1	13 56.26	−21 41.1	1.962	2.957	3.7	18.7
5 11	13 46.35	−21 18.9	1.977	2.945	6.9	18.8
5 21	13 37.95	−20 53.7	2.020	2.932	10.3	19.0
5 31	13 31.71	−20 30.6	2.085	2.919	13.4	19.2

5068 Cragg 4 23.3 143°.23 0°.4/22.8 18

3 22	14 24.17	−14 35.0	2.324	3.177	10.9	17.1
4 1	14 19.39	−13 41.2	2.251	3.181	7.8	16.9
4 11	14 13.14	−12 37.7	2.203	3.184	4.4	16.7
4 21	14 6.04	−11 28.6	2.184	3.188	0.8	16.4
5 1	13 58.83	−10 18.8	2.194	3.191	3.1	16.6
5 11	13 52.27	− 9 13.7	2.232	3.194	6.6	16.9
5 21	13 46.94	− 8 17.8	2.297	3.197	9.8	17.1
5 31	13 43.30	− 7 34.3	2.384	3.200	12.5	17.3

182861 2002 CN_{150} 4 23.3 136°.57 1°.2/22.1 18

3 22	14 24.98	−10 15.9	2.563	3.421	9.8	20.9
4 1	14 19.83	− 9 45.4	2.494	3.427	7.0	20.7
4 11	14 13.34	− 9 10.1	2.451	3.433	3.9	20.5
4 21	14 6.08	− 8 33.1	2.436	3.439	1.2	20.3
5 1	13 58.72	− 7 57.7	2.451	3.445	3.2	20.5
5 11	13 51.93	− 7 27.7	2.494	3.450	6.3	20.7
5 21	13 46.29	− 7 5.8	2.563	3.456	9.2	20.9
5 31	13 42.19	− 6 53.9	2.656	3.461	11.7	21.0

422843 2002 EZ_{143} 4 23.3 5°.89 8°.4/28.3 17

3 22	14 31.15	−30 31.8	1.508	2.317	17.9	20.7
4 1	14 25.69	−31 46.2	1.436	2.317	14.9	20.5
4 11	14 17.30	−32 38.4	1.384	2.318	11.7	20.3
4 21	14 6.90	−33 4.1	1.355	2.320	9.1	20.2
5 1	13 55.91	−33 2.1	1.349	2.322	8.5	20.2
5 11	13 45.94	−32 36.7	1.368	2.325	10.3	20.3
5 21	13 38.27	−31 55.9	1.408	2.329	13.3	20.5
5 31	13 33.73	−31 9.2	1.470	2.334	16.5	20.7

65579 4173 T-2 4 23.3 314°.18 4°.5/20.1 17

3 22	14 25.91	− 6 42.7	1.258	2.149	15.6	18.9
4 1	14 21.73	− 5 26.9	1.190	2.138	11.3	18.6
4 11	14 14.93	− 4 2.7	1.143	2.128	6.8	18.3
4 21	14 6.43	− 2 39.2	1.121	2.118	4.5	18.2
5 1	13 57.54	− 1 26.6	1.122	2.109	7.7	18.3
5 11	13 49.66	− 0 34.0	1.147	2.100	12.5	18.6
5 21	13 43.89	− 0 6.5	1.193	2.091	17.0	18.8
5 31	13 40.94	− 0 5.3	1.255	2.083	20.9	19.0

426527 2013 RO_{56} 4 23.3 91°.41 6°.2/28.9 17

3 22	14 29.99	−31 34.9	1.853	2.644	15.7	20.9
4 1	14 24.12	−31 45.3	1.785	2.658	12.8	20.7
4 11	14 16.02	−31 32.5	1.738	2.671	9.7	20.6
4 21	14 6.61	−30 55.8	1.716	2.685	7.1	20.4
5 1	13 57.03	−29 57.8	1.719	2.698	6.3	20.4
5 11	13 48.48	−28 45.2	1.749	2.712	8.0	20.5
5 21	13 41.86	−27 26.1	1.804	2.725	10.9	20.7
5 31	13 37.72	−26 8.8	1.881	2.738	13.7	20.9

73151 2002 GO_{102} 4 23.3 304°.59 6°.0/18.3 18

3 22	14 25.65	+ 0 28.2	1.722	2.602	12.7	19.3
4 1	14 20.96	+ 1 34.7	1.651	2.589	9.5	19.1
4 11	14 14.25	+ 2 39.7	1.603	2.576	6.8	18.9
4 21	14 6.29	+ 3 36.2	1.581	2.563	6.1	18.8
5 1	13 58.03	+ 4 17.1	1.586	2.551	8.2	18.9
5 11	13 50.53	+ 4 37.6	1.614	2.539	11.5	19.1
5 21	13 44.61	+ 4 35.8	1.665	2.527	14.9	19.2
5 31	13 40.88	+ 4 12.3	1.735	2.515	17.8	19.4

381441 2008 QP_{16} 4 23.3 221°.84 6°.6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.99	−31 59.4	2.145	2.921	14.4	20.8
4 1	14 25.63	−32 40.8	2.055	2.915	11.9	20.6
4 11	14 17.00	−33 3.2	1.987	2.909	9.4	20.4
4 21	14 6.83	−33 4.2	1.943	2.902	7.3	20.3
5 1	13 56.19	−32 43.8	1.926	2.895	6.7	20.2
5 11	13 46.25	−32 5.6	1.937	2.888	8.2	20.3
5 21	13 38.00	−31 15.6	1.972	2.881	10.7	20.4
5 31	13 32.14	−30 21.3	2.030	2.873	13.4	20.6

141249 2001 YP_5 4 23.3 98°.78 2°.4/20.7 18

3 22	14 23.90	− 8 3.9	2.326	3.192	10.4	19.9
4 1	14 19.11	− 6 59.0	2.266	3.203	7.4	19.7
4 11	14 12.95	− 5 49.8	2.232	3.214	4.2	19.6
4 21	14 6.02	− 4 41.0	2.227	3.225	2.4	19.4
5 1	13 59.03	− 3 38.0	2.250	3.236	4.4	19.6
5 11	13 52.71	− 2 45.2	2.302	3.247	7.5	19.8
5 21	13 47.60	− 2 5.9	2.379	3.258	10.3	20.0
5 31	13 44.11	− 1 41.5	2.478	3.268	12.8	20.2

205616 2001 UG_{191} 4 23.3 271°.44 1°.9/24.6 16

3 22	14 29.57	−19 3.3	1.442	2.298	16.1	21.0
4 1	14 24.44	−18 47.6	1.355	2.282	12.2	20.7
4 11	14 16.55	−18 13.7	1.289	2.266	7.5	20.4
4 21	14 6.77	−17 23.3	1.248	2.250	2.7	20.0
5 1	13 56.39	−16 21.4	1.233	2.233	4.1	20.1
5 11	13 46.89	−15 16.2	1.243	2.217	9.2	20.3
5 21	13 39.46	−14 16.4	1.276	2.200	14.2	20.5
5 31	13 34.93	−13 29.2	1.328	2.183	18.4	20.8

353706 2011 UD_{406} 4 23.3 143°.48 1°.2/24.6 18

3 22	14 26.60	−18 4.1	2.891	3.721	9.6	21.8
4 1	14 20.91	−17 58.1	2.816	3.730	7.1	21.6
4 11	14 13.94	−17 43.7	2.767	3.739	4.3	21.5
4 21	14 6.21	−17 22.3	2.747	3.748	1.6	21.3
5 1	13 58.38	−16 56.2	2.757	3.757	2.3	21.3
5 11	13 51.09	−16 28.6	2.797	3.765	5.1	21.5
5 21	13 44.88	−16 2.5	2.864	3.772	7.8	21.7
5 31	13 40.15	−15 41.0	2.956	3.779	10.2	21.9

215155 1999 XH_{146} 4 23.3 272°.21 3°.1/21.2 17

3 22	14 30.27	− 6 35.2	1.647	2.519	13.6	21.1
4 1	14 24.57	− 6 3.1	1.559	2.498	9.9	20.8
4 11	14 16.47	− 5 26.4	1.495	2.478	5.9	20.5
4 21	14 6.75	− 4 50.0	1.457	2.457	3.1	20.3
5 1	13 56.50	− 4 19.7	1.446	2.436	5.8	20.4
5 11	13 46.97	− 4 0.9	1.461	2.414	10.2	20.6
5 21	13 39.19	− 3 57.4	1.499	2.393	14.4	20.8
5 31	13 33.91	− 4 11.0	1.557	2.371	18.1	21.0

123135 2000 TS_{13} 4 23.3 98°.13 0°.5/23.7 18

3 22	14 29.55	−16 0.3	2.022	2.869	12.5	20.8
4 1	14 23.32	−15 36.8	1.967	2.892	9.1	20.6
4 11	14 15.37	−15 3.0	1.936	2.914	5.2	20.4
4 21	14 6.48	−14 21.9	1.933	2.936	1.2	20.1
5 1	13 57.59	−13 37.9	1.958	2.958	3.0	20.3
5 11	13 49.60	−12 56.0	2.012	2.979	6.8	20.6
5 21	13 43.20	−12 20.5	2.091	2.999	10.2	20.8
5 31	13 38.84	−11 54.8	2.194	3.020	13.1	21.1

59424 1999 GP_4 4 23.3 323°.28 3°.0/21.5 18

3 22	14 29.57	− 5 49.2	1.546	2.422	14.1	18.2
4 1	14 24.03	− 5 37.0	1.472	2.414	10.2	17.9
4 11	14 16.12	− 5 22.9	1.422	2.405	6.0	17.6
4 21	14 6.67	− 5 11.1	1.397	2.397	3.0	17.4
5 1	13 56.86	− 5 6.3	1.398	2.390	5.6	17.6
5 11	13 47.92	− 5 12.4	1.425	2.382	10.0	17.8
5 21	13 40.85	− 5 31.8	1.474	2.376	14.1	18.0
5 31	13 36.33	− 6 5.3	1.544	2.369	17.7	18.2

687 Tinette 4 23.3 199°.51 5°.5/28.8 18

3 22	14 31.18	−32 26.7	2.691	3.451	12.1	17.3
4 1	14 24.61	−32 50.3	2.596	3.447	10.1	17.1
4 11	14 16.23	−32 57.3	2.525	3.442	7.9	17.0
4 21	14 6.68	−32 46.2	2.479	3.436	6.0	16.8
5 1	13 56.81	−32 17.7	2.462	3.430	5.5	16.8
5 11	13 47.53	−31 35.1	2.473	3.423	6.8	16.9
5 21	13 39.60	−30 43.4	2.511	3.415	8.9	17.0
5 31	13 33.59	−29 48.2	2.574	3.407	11.2	17.1

507271 2011 EB_{14} 4 23.3 328°.80 0°.2/23.4 17

3 22	14 27.58	−12 42.8	1.413	2.288	15.3	20.5
4 1	14 23.00	−12 54.9	1.328	2.268	11.2	20.2
4 11	14 15.76	−12 58.8	1.265	2.249	6.5	19.9
4 21	14 6.64	−12 56.3	1.226	2.230	1.3	19.5
5 1	13 56.89	−12 51.0	1.212	2.213	4.2	19.6
5 11	13 47.91	−12 47.6	1.223	2.196	9.5	19.9
5 21	13 40.91	−12 50.7	1.256	2.180	14.3	20.1
5 31	13 36.72	−13 4.0	1.308	2.166	18.5	20.3

330406 2007 BP_{23} 4 23.3 5°.91 3°.5/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.95	− 6 25.9	1.522	2.402	14.0	20.3
4 1	14 22.03	− 5 39.2	1.459	2.402	10.1	20.1
4 11	14 14.90	− 4 48.3	1.419	2.403	5.9	19.8
4 21	14 6.44	− 3 59.3	1.404	2.403	3.5	19.7
5 1	13 57.76	− 3 18.7	1.416	2.404	6.1	19.8
5 11	13 50.04	− 2 52.4	1.452	2.405	10.3	20.1
5 21	13 44.15	− 2 43.5	1.511	2.407	14.2	20.3
5 31	13 40.69	− 2 53.0	1.590	2.409	17.6	20.5

101851 1999 JU_{96} 4 23.3 314°.68 5°.9/18.3 17

3 22	14 26.29	+ 3 9.0	1.991	2.863	11.6	19.2
4 1	14 21.16	+ 3 54.3	1.923	2.854	8.9	19.0
4 11	14 14.27	+ 4 34.7	1.878	2.845	6.6	18.8
4 21	14 6.31	+ 5 4.9	1.861	2.836	6.0	18.8
5 1	13 58.15	+ 5 19.9	1.869	2.828	7.7	18.9
5 11	13 50.67	+ 5 16.6	1.904	2.820	10.5	19.0
5 21	13 44.61	+ 4 54.6	1.961	2.812	13.4	19.2
5 31	13 40.50	+ 4 14.8	2.038	2.804	16.0	19.4

313667 2003 SD_{196} 4 23.3 230°.92 3°.4/25.9 17

3 22	14 30.54	−23 9.5	1.814	2.642	14.5	21.5
4 1	14 24.68	−23 5.6	1.725	2.633	11.3	21.3
4 11	14 16.49	−22 44.0	1.658	2.622	7.5	21.0
4 21	14 6.76	−22 5.1	1.617	2.612	4.0	20.8
5 1	13 56.61	−21 11.9	1.603	2.600	4.1	20.8
5 11	13 47.24	−20 10.8	1.617	2.588	7.7	21.0
5 21	13 39.64	−19 9.0	1.656	2.576	11.7	21.2
5 31	13 34.53	−18 13.6	1.716	2.563	15.3	21.4

382436 1999 TA_{188} 4 23.3 238°.34 3°.0/26.2 18

3 22	14 28.55	−24 13.4	2.514	3.324	11.5	22.1
4 1	14 22.74	−24 5.1	2.411	3.307	9.0	21.9
4 11	14 15.19	−23 42.5	2.331	3.289	6.1	21.7
4 21	14 6.51	−23 6.1	2.280	3.270	3.5	21.5
5 1	13 57.48	−22 18.0	2.257	3.251	3.4	21.5
5 11	13 48.98	−21 22.7	2.263	3.231	6.1	21.6
5 21	13 41.73	−20 25.4	2.297	3.211	9.2	21.8
5 31	13 36.31	−19 31.3	2.355	3.189	12.1	21.9

29422 1997 AH_{21} 4 23.3 109°.96 7°.4/14.9 18

3 22	14 26.01	+12 4.9	2.537	3.386	10.2	17.8
4 1	14 20.47	+13 11.9	2.501	3.402	8.5	17.7
4 11	14 13.66	+14 8.2	2.490	3.418	7.5	17.7
4 21	14 6.18	+14 49.0	2.507	3.434	7.6	17.7
5 1	13 58.71	+15 10.6	2.549	3.449	8.8	17.8
5 11	13 51.93	+15 11.8	2.617	3.464	10.5	18.0
5 21	13 46.35	+14 53.4	2.706	3.479	12.2	18.1
5 31	13 42.34	+14 17.4	2.814	3.494	13.8	18.3

371034 2005 UK_{114} 4 23.3 199°.40 3°.8/19.7 17

3 22	14 28.24	− 2 44.6	2.288	3.152	10.6	22.1
4 1	14 22.36	− 1 52.9	2.215	3.148	7.8	21.9
4 11	14 14.88	− 1 0.5	2.167	3.143	5.0	21.7
4 21	14 6.44	− 0 12.2	2.148	3.138	3.8	21.6
5 1	13 57.82	+ 0 27.3	2.158	3.132	5.7	21.7
5 11	13 49.84	+ 0 54.0	2.196	3.126	8.6	21.9
5 21	13 43.16	+ 1 5.9	2.258	3.119	11.5	22.0
5 31	13 38.25	+ 1 2.3	2.342	3.111	14.1	22.2

457638 2009 BH_{157} 4 23.3 77°.37 1°.9/22.0 18

3 22	14 30.34	−10 55.8	1.382	2.256	15.6	21.4
4 1	14 24.45	−10 9.7	1.334	2.275	11.1	21.2
4 11	14 16.21	− 9 14.8	1.309	2.293	6.2	21.0
4 21	14 6.68	− 8 17.1	1.309	2.312	1.9	20.7
5 1	13 57.16	− 7 24.0	1.335	2.331	5.1	21.0
5 11	13 48.90	− 6 42.2	1.387	2.349	9.7	21.3
5 21	13 42.77	− 6 16.2	1.461	2.367	13.9	21.6
5 31	13 39.29	− 6 7.9	1.555	2.385	17.4	21.9

430329 2013 YC_{36} 4 23.3 218°.04 5°.9/17.3 18

3 22	14 27.06	+ 2 55.3	2.181	3.047	10.9	21.3
4 1	14 21.59	+ 4 10.4	2.111	3.039	8.4	21.1
4 11	14 14.48	+ 5 22.5	2.068	3.031	6.3	21.0
4 21	14 6.37	+ 6 25.4	2.052	3.022	6.0	20.9
5 1	13 58.07	+ 7 13.1	2.063	3.012	7.8	21.0
5 11	13 50.41	+ 7 41.9	2.101	3.002	10.4	21.2
5 21	13 44.07	+ 7 50.2	2.162	2.991	13.1	21.3
5 31	13 39.55	+ 7 38.7	2.243	2.980	15.5	21.5

357973 2006 BW_{124} 4 23.3 357°.34 4°.4/25.6 17

3 22	14 28.03	−21 12.1	1.098	1.966	19.2	20.5
4 1	14 23.83	−21 44.9	1.033	1.962	14.8	20.3
4 11	14 16.40	−21 57.4	0.986	1.960	9.8	20.0
4 21	14 6.80	−21 48.7	0.961	1.958	5.3	19.7
5 1	13 56.64	−21 21.8	0.959	1.958	5.5	19.7
5 11	13 47.73	−20 44.2	0.979	1.958	10.2	20.0
5 21	13 41.46	−20 5.2	1.020	1.960	15.2	20.2
5 31	13 38.64	−19 33.5	1.078	1.963	19.6	20.5

496149 2010 SA_{33} 4 23.3 224°.79 1°.3/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.22	−10 55.3	1.998	2.855	12.2	21.9
4 1	14 24.12	−10 20.9	1.911	2.844	8.8	21.7
4 11	14 16.04	− 9 38.8	1.850	2.832	5.0	21.4
4 21	14 6.69	− 8 52.6	1.815	2.819	1.4	21.1
5 1	13 57.00	− 8 7.3	1.810	2.805	4.0	21.3
5 11	13 47.98	− 7 28.0	1.833	2.791	8.1	21.5
5 21	13 40.48	− 6 59.0	1.881	2.776	11.9	21.7
5 31	13 35.09	− 6 43.4	1.951	2.760	15.1	21.9

75477 1999 XC_{167} 4 23.3 103°.04 1°.0/22.6 18

3 22	14 33.09	−11 1.2	1.788	2.645	13.4	20.0
4 1	14 26.00	−10 42.8	1.737	2.669	9.6	19.8
4 11	14 16.95	−10 17.8	1.710	2.692	5.4	19.6
4 21	14 6.83	− 9 49.7	1.710	2.714	1.3	19.3
5 1	13 56.73	− 9 22.9	1.739	2.736	3.9	19.5
5 11	13 47.70	− 9 1.8	1.796	2.757	8.0	19.8
5 21	13 40.51	− 8 49.9	1.878	2.778	11.7	20.1
5 31	13 35.63	− 8 49.1	1.981	2.797	14.7	20.3

205680 2001 YU_{2} 4 23.3 232°.15 5°.1/19.4 17

3 22	14 30.57	− 1 58.6	1.682	2.555	13.3	20.6
4 1	14 24.60	− 0 57.6	1.607	2.544	9.9	20.4
4 11	14 16.41	+ 0 4.4	1.556	2.532	6.5	20.2
4 21	14 6.78	+ 1 0.5	1.531	2.520	5.2	20.1
5 1	13 56.81	+ 1 43.7	1.534	2.508	7.6	20.2
5 11	13 47.67	+ 2 8.5	1.562	2.495	11.3	20.4
5 21	13 40.27	+ 2 12.4	1.613	2.481	15.0	20.5
5 31	13 35.28	+ 1 55.4	1.683	2.466	18.2	20.7

248632 2006 FL_{28} 4 23.3 176°.00 0°.5/22.9 17

3 22	14 27.93	−12 25.6	2.143	2.998	11.6	21.0
4 1	14 22.27	−12 6.8	2.068	2.999	8.4	20.8
4 11	14 14.89	−11 40.8	2.018	3.000	4.7	20.6
4 21	14 6.48	−11 10.5	1.996	3.000	0.9	20.3
5 1	13 57.87	−10 39.5	2.003	3.000	3.3	20.5
5 11	13 49.95	−10 12.2	2.037	3.001	7.0	20.8
5 21	13 43.44	− 9 52.0	2.098	3.000	10.5	21.0
5 31	13 38.83	− 9 41.8	2.181	3.000	13.4	21.2

87075 2000 KK_{70} 4 23.3 280°.12 0°.6/23.8 17

3 22	14 28.16	−16 23.2	1.795	2.649	13.5	20.3
4 1	14 23.02	−15 59.0	1.696	2.624	10.1	20.0
4 11	14 15.63	−15 21.3	1.619	2.599	6.0	19.7
4 21	14 6.66	−14 32.4	1.569	2.573	1.5	19.3
5 1	13 57.15	−13 36.9	1.547	2.547	3.5	19.4
5 11	13 48.25	−12 41.3	1.551	2.521	8.2	19.6
5 21	13 40.94	−11 52.0	1.580	2.494	12.6	19.8
5 31	13 35.99	−11 14.5	1.630	2.467	16.4	20.0

132182 2002 EZ_{27} 4 23.3 91°.68 3°.1/21.1 18

3 22	14 29.96	− 8 0.1	1.458	2.334	14.8	20.3
4 1	14 24.12	− 7 3.5	1.407	2.349	10.5	20.1
4 11	14 16.03	− 6 1.2	1.380	2.364	6.1	19.8
4 21	14 6.69	− 5 0.0	1.378	2.379	3.1	19.7
5 1	13 57.31	− 4 7.1	1.403	2.393	5.9	19.9
5 11	13 49.10	− 3 28.9	1.453	2.407	10.2	20.2
5 21	13 42.90	− 3 8.6	1.526	2.421	14.1	20.4
5 31	13 39.24	− 3 7.5	1.619	2.435	17.4	20.7

422825 2002 CR_{96} 4 23.3 91°.77 6°.1/17.8 17

3 22	14 26.87	+ 1 27.1	1.832	2.707	12.3	20.8
4 1	14 21.49	+ 2 50.6	1.789	2.723	9.2	20.7
4 11	14 14.39	+ 4 10.1	1.770	2.738	6.7	20.5
4 21	14 6.37	+ 5 18.3	1.778	2.754	6.2	20.5
5 1	13 58.34	+ 6 8.9	1.813	2.769	8.2	20.7
5 11	13 51.22	+ 6 38.2	1.873	2.784	11.0	20.9
5 21	13 45.67	+ 6 45.4	1.956	2.799	13.7	21.1
5 31	13 42.13	+ 6 31.7	2.057	2.813	16.1	21.3

349464 2008 CN_{137} 4 23.3 123°.84 5°.2/28.2 18

3 22	14 29.20	−30 3.1	2.499	3.280	12.4	21.1
4 1	14 23.21	−30 32.6	2.419	3.286	10.1	21.0
4 11	14 15.46	−30 46.2	2.362	3.292	7.7	20.8
4 21	14 6.60	−30 42.8	2.331	3.297	5.7	20.7
5 1	13 57.49	−30 23.4	2.328	3.303	5.2	20.7
5 11	13 49.03	−29 51.4	2.352	3.308	6.7	20.8
5 21	13 41.96	−29 11.6	2.403	3.314	9.0	20.9
5 31	13 36.82	−28 29.4	2.478	3.319	11.3	21.1

238464 2004 RH_{52} 4 23.3 158°.15 2°.8/26.1 17

3 22	14 30.65	−23 16.1	2.628	3.436	11.2	21.9
4 1	14 24.02	−23 21.9	2.549	3.445	8.6	21.7
4 11	14 15.82	−23 15.3	2.495	3.453	5.8	21.5
4 21	14 6.66	−22 56.8	2.469	3.460	3.3	21.4
5 1	13 57.34	−22 28.5	2.473	3.467	3.3	21.4
5 11	13 48.66	−21 54.0	2.507	3.473	5.7	21.6
5 21	13 41.27	−21 17.5	2.568	3.478	8.5	21.7
5 31	13 35.67	−20 43.4	2.654	3.483	11.0	21.9

280138 2002 OE_{18} 4 23.3 23°.52 19°.0/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 35.33	−49 41.3	1.117	1.845	27.4	20.4
4 1	14 30.77	−51 29.3	1.055	1.846	25.3	20.2
4 11	14 21.16	−52 32.6	1.005	1.847	23.0	20.0
4 21	14 7.83	−52 38.7	0.968	1.849	20.8	19.9
5 1	13 53.43	−51 40.5	0.946	1.850	19.3	19.8
5 11	13 41.13	−49 43.0	0.942	1.853	19.0	19.8
5 21	13 33.15	−47 2.0	0.955	1.855	20.0	19.8
5 31	13 30.47	−43 58.9	0.985	1.857	22.0	20.0

176480 2001 XJ_{181} 4 23.3 179°.20 4°.4/18.6 18

3 22	14 25.24	+ 1 1.6	2.567	3.432	9.6	20.6
4 1	14 20.04	+ 1 49.0	2.502	3.432	7.1	20.4
4 11	14 13.52	+ 2 33.9	2.464	3.433	5.0	20.3
4 21	14 6.22	+ 3 12.1	2.453	3.433	4.4	20.2
5 1	13 58.82	+ 3 39.7	2.471	3.433	5.9	20.3
5 11	13 51.99	+ 3 54.0	2.517	3.433	8.3	20.5
5 21	13 46.27	+ 3 53.8	2.587	3.432	10.7	20.6
5 31	13 42.07	+ 3 39.0	2.678	3.431	12.9	20.8

413246 2003 SO_{268} 4 23.3 184°.93 2°.1/24.8 17

3 22	14 31.90	−19 11.6	1.805	2.644	14.1	21.9
4 1	14 25.55	−19 13.5	1.727	2.644	10.6	21.7
4 11	14 16.95	−19 1.6	1.672	2.644	6.6	21.4
4 21	14 6.92	−18 37.2	1.644	2.644	2.8	21.2
5 1	13 56.57	−18 3.4	1.643	2.643	3.6	21.2
5 11	13 47.09	−17 25.6	1.670	2.641	7.6	21.5
5 21	13 39.40	−16 49.6	1.722	2.639	11.6	21.7
5 31	13 34.15	−16 20.7	1.797	2.636	15.0	21.9

62022 2000 RA_{48} 4 23.3 175°.67 3°.6/27.5 18

3 22	14 27.40	−27 37.8	3.071	3.856	10.2	19.3
4 1	14 21.60	−27 46.3	2.983	3.859	8.1	19.2
4 11	14 14.43	−27 42.1	2.920	3.860	5.9	19.0
4 21	14 6.42	−27 25.3	2.885	3.862	4.1	18.9
5 1	13 58.22	−26 57.1	2.879	3.863	3.7	18.9
5 11	13 50.53	−26 20.8	2.902	3.863	5.3	19.0
5 21	13 43.92	−25 40.0	2.952	3.863	7.5	19.1
5 31	13 38.84	−24 58.9	3.028	3.863	9.7	19.3

397107 2005 UE_{522} 4 23.3 201°.65 3°.4/19.9 17

3 22	14 25.67	− 1 48.8	2.597	3.461	9.5	21.3
4 1	14 20.37	− 1 15.8	2.526	3.459	6.9	21.1
4 11	14 13.72	− 0 43.8	2.481	3.457	4.5	21.0
4 21	14 6.28	− 0 16.1	2.465	3.454	3.4	20.9
5 1	13 58.70	+ 0 3.7	2.477	3.452	5.0	21.0
5 11	13 51.67	+ 0 13.0	2.518	3.449	7.6	21.1
5 21	13 45.74	+ 0 10.3	2.583	3.446	10.2	21.3
5 31	13 41.34	− 0 4.9	2.671	3.443	12.4	21.5

110683 2001 TD_{202} 4 23.3 235°.78 5°.3/17.1 18

3 22	14 24.73	+ 3 17.7	2.511	3.376	9.7	19.8
4 1	14 19.78	+ 4 28.3	2.438	3.365	7.5	19.6
4 11	14 13.43	+ 5 35.9	2.392	3.354	5.7	19.5
4 21	14 6.23	+ 6 35.3	2.374	3.342	5.5	19.4
5 1	13 58.86	+ 7 21.5	2.384	3.330	7.1	19.5
5 11	13 52.00	+ 7 51.1	2.420	3.317	9.4	19.6
5 21	13 46.25	+ 8 2.7	2.480	3.304	11.8	19.8
5 31	13 42.05	+ 7 56.3	2.560	3.291	13.9	19.9

203769 2002 RL_{219} 4 23.3 189°.85 1°.5/21.9 18

3 22	14 26.36	−10 1.3	2.242	3.102	10.9	20.6
4 1	14 21.07	− 9 25.3	2.167	3.101	7.8	20.4
4 11	14 14.20	− 8 43.7	2.118	3.100	4.4	20.2
4 21	14 6.38	− 7 59.9	2.097	3.099	1.5	20.0
5 1	13 58.40	− 7 18.3	2.104	3.098	3.7	20.1
5 11	13 51.05	− 6 43.4	2.140	3.096	7.2	20.3
5 21	13 44.99	− 6 18.3	2.201	3.094	10.5	20.5
5 31	13 40.72	− 6 5.3	2.285	3.092	13.2	20.7

513269 2006 ST_{337} 4 23.3 177°.46 3°.1/19.3 18

3 22	14 23.83	− 4 3.6	2.747	3.611	9.0	22.1
4 1	14 18.97	− 2 54.6	2.678	3.613	6.5	21.9
4 11	14 12.90	− 1 43.8	2.636	3.614	4.1	21.8
4 21	14 6.13	− 0 35.9	2.624	3.614	3.2	21.7
5 1	13 59.25	+ 0 24.7	2.642	3.615	4.8	21.8
5 11	13 52.90	+ 1 14.1	2.688	3.615	7.4	22.0
5 21	13 47.56	+ 1 50.0	2.759	3.614	9.8	22.1
5 31	13 43.63	+ 2 11.1	2.853	3.613	12.0	22.3

206970 2004 TL_{15} 4 23.3 175°.86 0°.6/22.8 16

3 22	14 29.96	−13 58.6	1.734	2.592	13.7	21.2
4 1	14 24.06	−13 12.7	1.662	2.595	9.9	20.9
4 11	14 16.05	−12 15.0	1.614	2.596	5.6	20.7
4 21	14 6.75	−11 10.1	1.593	2.597	1.1	20.3
5 1	13 57.24	−10 4.1	1.600	2.598	3.9	20.6
5 11	13 48.63	− 9 4.2	1.634	2.598	8.4	20.8
5 21	13 41.80	− 8 15.8	1.693	2.597	12.5	21.1
5 31	13 37.31	− 7 42.9	1.773	2.596	15.9	21.3

292656 2006 UC_{53} 4 23.3 191°.35 0°.7/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.34	−11 51.1	2.798	3.648	9.3	21.9
4 1	14 20.10	−11 22.6	2.717	3.646	6.7	21.7
4 11	14 13.56	−10 48.5	2.663	3.644	3.7	21.5
4 21	14 6.26	−10 11.4	2.638	3.642	0.8	21.3
5 1	13 58.81	− 9 34.4	2.643	3.639	2.8	21.4
5 11	13 51.87	− 9 1.0	2.677	3.636	5.8	21.6
5 21	13 45.96	− 8 34.1	2.738	3.632	8.6	21.8
5 31	13 41.50	− 8 15.9	2.823	3.628	11.0	21.9

520392 2014 HZ_{207} 4 23.3 65°.48 2°.2/21.3 17

3 22	14 26.26	− 5 51.6	2.415	3.278	10.2	20.9
4 1	14 20.83	− 5 34.5	2.352	3.287	7.3	20.8
4 11	14 13.99	− 5 16.2	2.315	3.297	4.2	20.6
4 21	14 6.34	− 4 59.5	2.307	3.306	2.2	20.5
5 1	13 58.60	− 4 47.6	2.327	3.315	4.0	20.6
5 11	13 51.50	− 4 43.0	2.375	3.325	7.0	20.8
5 21	13 45.61	− 4 47.7	2.449	3.334	9.9	21.0
5 31	13 41.36	− 5 2.3	2.545	3.344	12.3	21.2

497386 2005 UG_{527} 4 23.3 153°.59 1°.5/24.7 17

3 22	14 28.61	−19 28.6	2.171	3.005	12.2	22.9
4 1	14 22.76	−19 5.0	2.097	3.013	9.1	22.7
4 11	14 15.18	−18 28.5	2.047	3.019	5.6	22.5
4 21	14 6.57	−17 41.4	2.025	3.026	2.1	22.3
5 1	13 57.83	−16 47.6	2.032	3.032	2.9	22.3
5 11	13 49.83	−15 52.5	2.067	3.037	6.5	22.6
5 21	13 43.30	−15 1.3	2.129	3.042	9.9	22.8
5 31	13 38.73	−14 18.4	2.214	3.046	12.8	23.0

506706 2006 UA_{89} 4 23.3 168°.22 1°.4/25.2 17

3 22	14 24.64	−21 10.4	2.870	3.693	9.9	22.5
4 1	14 19.57	−20 28.5	2.788	3.696	7.4	22.3
4 11	14 13.25	−19 34.9	2.731	3.700	4.6	22.1
4 21	14 6.20	−18 32.0	2.703	3.703	1.9	21.9
5 1	13 59.06	−17 23.1	2.706	3.705	2.3	22.0
5 11	13 52.47	−16 13.0	2.738	3.707	5.1	22.2
5 21	13 46.94	−15 6.1	2.799	3.709	7.9	22.3
5 31	13 42.87	−14 6.4	2.884	3.710	10.3	22.5

294643 2008 AA_{59} 4 23.3 208°.49 1°.6/21.7 17

3 22	14 25.02	− 9 15.1	2.533	3.392	9.9	21.5
4 1	14 19.98	− 8 36.2	2.454	3.388	7.1	21.3
4 11	14 13.54	− 7 52.5	2.402	3.384	4.0	21.1
4 21	14 6.27	− 7 7.4	2.378	3.380	1.6	20.9
5 1	13 58.83	− 6 24.9	2.383	3.375	3.6	21.1
5 11	13 51.94	− 5 48.9	2.417	3.370	6.7	21.3
5 21	13 46.16	− 5 22.3	2.477	3.365	9.7	21.4
5 31	13 41.95	− 5 7.1	2.560	3.359	12.2	21.6

19617 Duhamel 4 23.3 131°.26 0°.7/22.5 18

3 22	14 24.90	−11 54.9	2.674	3.527	9.6	19.2
4 1	14 19.77	−11 23.5	2.605	3.536	6.9	19.0
4 11	14 13.36	−10 46.4	2.563	3.545	3.8	18.8
4 21	14 6.22	−10 6.5	2.550	3.553	0.9	18.6
5 1	13 59.00	− 9 27.1	2.566	3.562	2.9	18.8
5 11	13 52.35	− 8 52.0	2.611	3.570	5.9	19.0
5 21	13 46.79	− 8 23.9	2.682	3.578	8.7	19.2
5 31	13 42.73	− 8 5.2	2.777	3.586	11.1	19.4

3973 Ogilvie 4 23.3 280°.17 0°.8/22.8 18

3 22	14 29.38	−12 32.9	1.574	2.441	14.4	16.7
4 1	14 24.14	−12 6.1	1.482	2.418	10.6	16.4
4 11	14 16.38	−11 28.2	1.412	2.396	6.0	16.1
4 21	14 6.87	−10 42.8	1.368	2.373	1.2	15.7
5 1	13 56.76	− 9 55.5	1.351	2.349	4.4	15.9
5 11	13 47.34	− 9 13.1	1.360	2.326	9.5	16.1
5 21	13 39.74	− 8 41.7	1.392	2.302	14.2	16.3
5 31	13 34.77	− 8 25.6	1.443	2.278	18.2	16.5

437703 2014 DU_{53} 4 23.3 147°.53 2°.7/20.3 17

3 22	14 24.04	− 6 10.2	2.468	3.334	9.9	21.4
4 1	14 19.24	− 5 12.5	2.401	3.338	7.0	21.2
4 11	14 13.09	− 4 11.9	2.361	3.342	4.2	21.1
4 21	14 6.18	− 3 12.8	2.349	3.346	2.7	21.0
5 1	13 59.17	− 2 19.9	2.367	3.349	4.6	21.1
5 11	13 52.74	− 1 37.2	2.412	3.353	7.4	21.3
5 21	13 47.45	− 1 7.3	2.483	3.356	10.2	21.5
5 31	13 43.71	− 0 51.7	2.576	3.359	12.6	21.6

219660 2001 VC_{11} 4 23.3 133°.80 1°.4/24.3 17

3 22	14 32.86	−16 42.3	2.053	2.891	12.7	20.3
4 1	14 25.91	−16 54.1	1.984	2.902	9.4	20.1
4 11	14 17.01	−16 56.1	1.939	2.913	5.6	19.9
4 21	14 6.96	−16 49.4	1.922	2.923	1.9	19.7
5 1	13 56.72	−16 36.5	1.934	2.933	3.1	19.8
5 11	13 47.31	−16 21.1	1.975	2.943	6.8	20.0
5 21	13 39.53	−16 7.3	2.042	2.952	10.4	20.3
5 31	13 33.93	−15 58.8	2.132	2.960	13.4	20.5

300235 2006 YT_{17} 4 23.3 106°.65 2°.8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.99	−25 10.9	2.378	3.192	12.0	20.2
4 1	14 20.08	−24 37.9	2.301	3.199	9.2	20.1
4 11	14 13.63	−23 48.8	2.248	3.207	6.2	19.9
4 21	14 6.30	−22 45.5	2.222	3.214	3.5	19.7
5 1	13 58.86	−21 31.9	2.225	3.221	3.3	19.7
5 11	13 52.12	−20 13.8	2.257	3.228	5.9	19.9
5 21	13 46.70	−18 57.0	2.316	3.235	8.8	20.1
5 31	13 43.04	−17 46.9	2.399	3.242	11.6	20.3

166706 2002 TQ_{187} 4 23.3 202°.21 0°.3/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.25	−14 28.6	2.247	3.100	11.2	19.6
4 1	14 20.31	−13 43.5	2.168	3.098	8.1	19.4
4 11	14 13.80	−12 48.6	2.115	3.096	4.6	19.2
4 21	14 6.34	−11 47.6	2.089	3.094	0.8	18.9
5 1	13 58.71	−10 45.1	2.093	3.091	3.1	19.1
5 11	13 51.71	− 9 46.7	2.125	3.088	6.8	19.3
5 21	13 46.00	− 8 56.8	2.182	3.085	10.1	19.5
5 31	13 42.06	− 8 18.8	2.263	3.082	13.0	19.7

269080 2007 HF_{7} 4 23.3 334°.16 7°.3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.40	+ 3 29.0	1.390	2.272	15.0	19.0
4 1	14 24.16	+ 3 56.2	1.321	2.258	11.5	18.8
4 11	14 16.35	+ 4 15.2	1.273	2.244	8.4	18.6
4 21	14 6.87	+ 4 19.3	1.249	2.231	7.3	18.5
5 1	13 56.96	+ 4 2.6	1.249	2.219	9.4	18.5
5 11	13 48.01	+ 3 22.5	1.273	2.208	13.1	18.7
5 21	13 41.08	+ 2 19.9	1.318	2.198	16.9	18.9
5 31	13 36.89	+ 0 57.7	1.381	2.189	20.3	19.1

181019 2005 NY_{84} 4 23.3 237°.52 2°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.25	− 6 1.5	2.581	3.444	9.6	20.7
4 1	14 20.15	− 5 24.7	2.499	3.434	6.9	20.5
4 11	14 13.66	− 4 45.4	2.443	3.424	4.1	20.3
4 21	14 6.31	− 4 7.0	2.415	3.413	2.4	20.1
5 1	13 58.77	− 3 33.4	2.417	3.402	4.2	20.3
5 11	13 51.74	− 3 8.0	2.447	3.391	7.1	20.4
5 21	13 45.78	− 2 53.2	2.503	3.380	10.0	20.6
5 31	13 41.36	− 2 50.5	2.581	3.369	12.4	20.7

174830 2003 YY_{79} 4 23.3 209°.83 3°.2/25.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.96	−23 5.8	1.947	2.771	13.9	20.8
4 1	14 24.85	−23 4.8	1.861	2.766	10.7	20.5
4 11	14 16.58	−22 47.5	1.797	2.760	7.2	20.3
4 21	14 6.90	−22 14.3	1.759	2.753	3.9	20.1
5 1	13 56.86	−21 28.0	1.750	2.746	3.9	20.1
5 11	13 47.59	−20 34.1	1.768	2.738	7.3	20.3
5 21	13 39.99	−19 39.3	1.812	2.730	11.0	20.5
5 31	13 34.72	−18 49.8	1.878	2.721	14.3	20.7

180134 2003 FE_{89} 4 23.3 350°.40 2°.6/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.03	−20 24.3	2.047	2.884	12.8	19.7
4 1	14 21.86	−20 36.5	1.967	2.881	9.7	19.5
4 11	14 14.81	−20 36.3	1.910	2.879	6.3	19.3
4 21	14 6.55	−20 24.4	1.880	2.877	3.1	19.1
5 1	13 58.01	−20 3.0	1.878	2.876	3.4	19.1
5 11	13 50.15	−19 36.4	1.902	2.874	6.7	19.3
5 21	13 43.77	−19 9.3	1.953	2.873	10.2	19.5
5 31	13 39.46	−18 46.2	2.026	2.873	13.3	19.7

27041 1998 RN_{63} 4 23.3 261°.97 2°.5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.29	− 9 13.9	1.419	2.294	15.1	18.9
4 1	14 24.86	− 8 33.6	1.341	2.282	11.0	18.6
4 11	14 16.79	− 7 44.8	1.285	2.270	6.3	18.3
4 21	14 6.96	− 6 52.8	1.255	2.257	2.5	18.0
5 1	13 56.65	− 6 4.9	1.250	2.244	5.7	18.2
5 11	13 47.26	− 5 28.3	1.271	2.231	10.7	18.4
5 21	13 39.90	− 5 8.1	1.313	2.217	15.3	18.7
5 31	13 35.34	− 5 7.1	1.375	2.204	19.3	18.9

299547 2006 DQ_{99} 4 23.3 240°.47 1°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 19.73	−20 57.3	4.791	5.605	6.4	21.0
4 1	14 15.73	−20 54.8	4.697	5.599	4.8	20.9
4 11	14 10.99	−20 46.3	4.630	5.593	3.1	20.8
4 21	14 5.79	−20 32.5	4.591	5.586	1.6	20.7
5 1	14 0.50	−20 14.7	4.583	5.580	1.7	20.7
5 11	13 55.46	−19 54.5	4.605	5.573	3.3	20.8
5 21	13 50.98	−19 33.8	4.656	5.567	5.0	20.9
5 31	13 47.34	−19 14.4	4.732	5.560	6.5	21.0

417620 2006 WB_{131} 4 23.3 101°.27 5°.6/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 38.57	−25 7.1	1.787	2.596	15.5	20.1
4 1	14 30.58	−26 18.3	1.717	2.607	12.3	19.9
4 11	14 19.94	−27 13.6	1.670	2.619	8.9	19.7
4 21	14 7.56	−27 49.8	1.650	2.630	6.1	19.6
5 1	13 54.75	−28 6.1	1.657	2.641	6.0	19.6
5 11	13 42.94	−28 5.8	1.692	2.651	8.5	19.7
5 21	13 33.23	−27 54.7	1.752	2.662	11.8	20.0
5 31	13 26.37	−27 39.7	1.834	2.672	14.8	20.2

411704 2011 YU_{67} 4 23.3 80°.75 3°.4/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.08	− 6 14.7	1.487	2.364	14.5	20.7
4 1	14 24.31	− 5 37.0	1.429	2.371	10.4	20.5
4 11	14 16.24	− 4 56.0	1.395	2.378	6.1	20.3
4 21	14 6.82	− 4 17.4	1.386	2.385	3.4	20.1
5 1	13 57.25	− 3 47.3	1.403	2.393	6.0	20.3
5 11	13 48.75	− 3 30.7	1.446	2.400	10.2	20.6
5 21	13 42.23	− 3 30.3	1.511	2.407	14.2	20.8
5 31	13 38.26	− 3 46.8	1.596	2.414	17.6	21.0

101917 1999 RB_{14} 4 23.3 223°.10 4°.5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.56	−30 11.2	3.006	3.777	10.8	20.4
4 1	14 22.61	−30 32.7	2.906	3.767	8.8	20.2
4 11	14 15.11	−30 40.5	2.830	3.757	6.7	20.0
4 21	14 6.61	−30 33.8	2.781	3.746	5.0	19.9
5 1	13 57.80	−30 13.2	2.761	3.735	4.6	19.9
5 11	13 49.45	−29 41.4	2.770	3.724	5.9	19.9
5 21	13 42.21	−29 2.3	2.805	3.712	8.0	20.1
5 31	13 36.60	−28 20.6	2.866	3.700	10.2	20.2

125412 2001 VJ_{108} 4 23.3 90°.97 0°.9/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.34	−10 32.4	1.741	2.603	13.5	20.4
4 1	14 24.99	−10 28.4	1.678	2.612	9.7	20.1
4 11	14 16.56	−10 18.5	1.640	2.622	5.5	19.9
4 21	14 6.88	−10 5.6	1.627	2.631	1.2	19.6
5 1	13 57.05	− 9 53.4	1.643	2.641	3.9	19.8
5 11	13 48.16	− 9 45.9	1.686	2.650	8.2	20.1
5 21	13 41.06	− 9 46.3	1.754	2.659	12.0	20.4
5 31	13 36.31	− 9 56.7	1.843	2.668	15.2	20.6

267410 2002 AM_{172} 4 23.3 214°.85 5°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.84	+ 1 35.5	2.029	2.898	11.5	20.7
4 1	14 22.27	+ 2 36.0	1.962	2.893	8.7	20.5
4 11	14 14.95	+ 3 33.7	1.920	2.888	6.3	20.3
4 21	14 6.57	+ 4 22.5	1.904	2.882	5.7	20.3
5 1	13 58.01	+ 4 57.1	1.917	2.876	7.5	20.3
5 11	13 50.15	+ 5 13.6	1.955	2.870	10.4	20.5
5 21	13 43.73	+ 5 10.9	2.017	2.863	13.2	20.7
5 31	13 39.25	+ 4 49.3	2.098	2.856	15.8	20.8

76120 2000 DO_{114} 4 23.3 149°.55 0°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.81	−15 53.9	2.068	2.919	12.1	20.3
4 1	14 21.56	−15 31.4	1.994	2.921	8.9	20.1
4 11	14 14.56	−14 58.6	1.944	2.922	5.2	19.9
4 21	14 6.50	−14 18.0	1.920	2.924	1.2	19.6
5 1	13 58.26	−13 33.8	1.926	2.926	3.0	19.8
5 11	13 50.72	−12 51.0	1.959	2.927	6.9	20.0
5 21	13 44.63	−12 14.3	2.017	2.928	10.4	20.2
5 31	13 40.50	−11 47.2	2.098	2.930	13.4	20.4

331898 2004 PP_{42} 4 23.3 224°.40 2°.1/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.40	− 7 50.3	2.586	3.442	9.8	22.3
4 1	14 21.73	− 6 59.8	2.496	3.428	7.0	22.1
4 11	14 14.58	− 6 4.5	2.433	3.413	4.1	21.9
4 21	14 6.51	− 5 8.3	2.399	3.398	2.1	21.7
5 1	13 58.21	− 4 15.5	2.395	3.382	4.1	21.8
5 11	13 50.40	− 3 30.6	2.420	3.365	7.2	22.0
5 21	13 43.71	− 2 56.6	2.472	3.347	10.2	22.1
5 31	13 38.61	− 2 35.7	2.546	3.328	12.7	22.3

375817 2009 UW_{27} 4 23.3 126°.03 1°.7/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.89	−20 7.3	1.949	2.788	13.2	21.2
4 1	14 22.41	−19 39.8	1.879	2.796	9.9	21.0
4 11	14 15.06	−18 57.6	1.832	2.804	6.1	20.8
4 21	14 6.60	−18 3.1	1.811	2.812	2.4	20.6
5 1	13 58.01	−17 1.2	1.819	2.819	3.1	20.7
5 11	13 50.25	−15 58.0	1.855	2.826	6.9	20.9
5 21	13 44.08	−14 59.6	1.916	2.833	10.5	21.1
5 31	13 40.03	−14 10.9	2.000	2.840	13.7	21.4

292637 2006 UW_{29} 4 23.3 89°.48 0°.5/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.43	−16 33.9	2.310	3.156	11.2	21.3
4 1	14 20.34	−16 4.0	2.244	3.169	8.2	21.1
4 11	14 13.77	−15 24.3	2.204	3.182	4.7	20.9
4 21	14 6.35	−14 37.7	2.191	3.195	1.2	20.7
5 1	13 58.85	−13 48.0	2.207	3.207	2.7	20.8
5 11	13 52.05	−13 0.1	2.252	3.220	6.1	21.1
5 21	13 46.54	−12 18.0	2.323	3.233	9.3	21.3
5 31	13 42.76	−11 45.1	2.417	3.245	12.0	21.5

439453 2013 YD_{5} 4 23.3 97°.42 4°.4/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.88	−28 6.3	2.184	2.985	13.3	21.3
4 1	14 22.32	−28 2.6	2.113	2.998	10.6	21.2
4 11	14 14.98	−27 40.7	2.066	3.011	7.6	21.0
4 21	14 6.59	−27 1.2	2.043	3.024	5.1	20.9
5 1	13 58.08	−26 7.2	2.049	3.037	4.5	20.9
5 11	13 50.39	−25 3.8	2.082	3.050	6.6	21.0
5 21	13 44.23	−23 57.6	2.142	3.062	9.4	21.2
5 31	13 40.11	−22 54.5	2.225	3.074	12.2	21.4

45309 2000 AO_{54} 4 23.3 198°.03 1°.5/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.76	−10 21.1	2.095	2.952	11.7	20.2
4 1	14 23.67	− 9 43.7	2.016	2.949	8.5	20.0
4 11	14 15.77	− 8 59.7	1.963	2.945	4.8	19.7
4 21	14 6.76	− 8 12.8	1.937	2.940	1.5	19.5
5 1	13 57.51	− 7 27.6	1.941	2.935	4.0	19.6
5 11	13 48.97	− 6 49.2	1.973	2.929	7.8	19.9
5 21	13 41.87	− 6 21.3	2.030	2.922	11.3	20.1
5 31	13 36.77	− 6 6.4	2.109	2.914	14.3	20.3

511696 2015 CQ_{1} 4 23.3 5°.96 7°.6/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.62	−30 21.4	1.616	2.422	17.1	20.8
4 1	14 25.18	−31 18.4	1.542	2.422	14.1	20.6
4 11	14 17.02	−31 53.7	1.487	2.422	10.9	20.4
4 21	14 7.04	−32 3.9	1.456	2.423	8.3	20.2
5 1	13 56.56	−31 48.9	1.449	2.425	7.7	20.2
5 11	13 47.03	−31 13.4	1.467	2.427	9.5	20.3
5 21	13 39.63	−30 25.1	1.508	2.430	12.6	20.5
5 31	13 35.13	−29 33.0	1.571	2.433	15.7	20.7

71017 1999 XW_{55} 4 23.3 189°.53 0°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.31	−15 5.8	2.155	3.005	11.7	20.4
4 1	14 21.88	−14 41.1	2.077	3.004	8.6	20.2
4 11	14 14.74	−14 6.8	2.024	3.004	4.9	19.9
4 21	14 6.56	−13 25.6	1.998	3.003	1.0	19.6
5 1	13 58.18	−12 41.6	2.002	3.001	3.0	19.8
5 11	13 50.47	−11 59.5	2.033	2.999	6.8	20.0
5 21	13 44.15	−11 23.8	2.090	2.997	10.3	20.2
5 31	13 39.73	−10 58.0	2.170	2.995	13.3	20.4

336336 2008 TF_{93} 4 23.4 245°.48 0°.8/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.72	−12 7.0	2.000	2.859	12.1	21.6
4 1	14 22.33	−11 41.5	1.918	2.851	8.8	21.4
4 11	14 15.08	−11 8.1	1.861	2.843	5.0	21.1
4 21	14 6.64	−10 30.0	1.831	2.835	1.1	20.8
5 1	13 57.91	− 9 51.6	1.829	2.826	3.6	21.0
5 11	13 49.86	− 9 17.7	1.854	2.817	7.6	21.2
5 21	13 43.26	− 8 52.5	1.905	2.808	11.3	21.4
5 31	13 38.70	− 8 39.0	1.977	2.799	14.5	21.6

312219 2007 VG_{334} 4 23.4 58°.15 18°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 36.66	+30 28.0	1.356	2.159	19.9	19.3
4 1	14 28.75	+31 52.0	1.359	2.188	18.6	19.3
4 11	14 18.46	+32 36.1	1.380	2.218	18.1	19.4
4 21	14 7.19	+32 34.0	1.418	2.248	18.3	19.5
5 1	13 56.51	+31 45.1	1.474	2.278	19.1	19.6
5 11	13 47.67	+30 14.9	1.547	2.308	20.2	19.8
5 21	13 41.43	+28 12.4	1.635	2.338	21.5	20.0
5 31	13 38.05	+25 47.1	1.737	2.368	22.6	20.2

190687 2001 DW_{40} 4 23.4 113°.92 3°.6/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.21	− 3 52.4	2.131	2.998	11.1	20.2
4 1	14 21.61	− 2 54.1	2.078	3.014	8.0	20.0
4 11	14 14.48	− 1 54.9	2.051	3.029	5.0	19.9
4 21	14 6.50	− 1 0.2	2.051	3.044	3.7	19.8
5 1	13 58.49	− 0 14.9	2.081	3.058	5.6	20.0
5 11	13 51.26	+ 0 17.0	2.137	3.072	8.6	20.2
5 21	13 45.41	+ 0 33.4	2.218	3.086	11.5	20.4
5 31	13 41.38	+ 0 34.1	2.320	3.099	13.9	20.6

34461 2000 SC_{95} 4 23.4 260°.31 1°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.14	−20 16.6	2.272	3.110	11.7	19.3
4 1	14 19.56	−19 32.7	2.191	3.108	8.7	19.1
4 11	14 13.41	−18 34.7	2.133	3.106	5.3	18.8
4 21	14 6.31	−17 25.6	2.104	3.105	2.0	18.6
5 1	13 59.06	−16 10.0	2.103	3.103	2.7	18.7
5 11	13 52.45	−14 53.8	2.130	3.101	6.2	18.9
5 21	13 47.13	−13 42.8	2.184	3.100	9.5	19.1
5 31	13 43.58	−12 41.7	2.262	3.098	12.4	19.3

33650 1999 JF_{84} 4 23.4 275°.27 9°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.67	+10 7.1	1.828	2.691	12.9	18.0
4 1	14 23.13	+11 18.5	1.761	2.676	10.7	17.8
4 11	14 15.57	+12 19.4	1.718	2.661	9.2	17.7
4 21	14 6.75	+13 2.3	1.700	2.645	9.3	17.7
5 1	13 57.65	+13 20.9	1.707	2.630	11.0	17.7
5 11	13 49.31	+13 12.3	1.738	2.614	13.5	17.9
5 21	13 42.57	+12 37.0	1.789	2.599	16.2	18.0
5 31	13 38.02	+11 37.9	1.857	2.583	18.6	18.2

244322 2002 GZ_{188} 4 23.4 267°.94 0°.3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.66	−13 30.0	1.687	2.547	14.0	21.4
4 1	14 24.99	−13 10.4	1.592	2.525	10.3	21.1
4 11	14 16.87	−12 39.9	1.521	2.502	5.9	20.8
4 21	14 7.04	−12 1.4	1.475	2.479	1.1	20.4
5 1	13 56.62	−11 19.5	1.456	2.455	4.0	20.5
5 11	13 46.86	−10 40.4	1.465	2.431	8.9	20.8
5 21	13 38.83	−10 9.9	1.497	2.407	13.4	21.0
5 31	13 33.34	− 9 52.4	1.550	2.382	17.4	21.2

57677 2001 UT_{41} 4 23.4 6°.70 2°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 23.26	−11 12.7	1.214	2.105	16.1	18.0
4 1	14 19.83	−10 18.5	1.156	2.105	11.5	17.7
4 11	14 13.90	− 9 12.6	1.120	2.107	6.5	17.5
4 21	14 6.44	− 8 2.3	1.106	2.110	2.2	17.2
5 1	13 58.74	− 6 56.6	1.117	2.114	5.6	17.4
5 11	13 52.16	− 6 4.2	1.152	2.119	10.7	17.7
5 21	13 47.66	− 5 30.9	1.207	2.125	15.2	18.0
5 31	13 45.87	− 5 19.2	1.280	2.133	19.1	18.3

353292 2010 GQ_{145} 4 23.4 18°.96 3°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.04	− 9 35.8	1.177	2.066	16.6	20.6
4 1	14 22.62	− 8 29.0	1.120	2.068	11.9	20.3
4 11	14 15.51	− 7 11.7	1.084	2.070	6.8	20.1
4 21	14 6.76	− 5 52.3	1.072	2.073	3.2	19.9
5 1	13 57.77	− 4 40.8	1.084	2.076	6.6	20.1
5 11	13 50.00	− 3 46.4	1.119	2.080	11.6	20.3
5 21	13 44.50	− 3 14.6	1.175	2.084	16.3	20.6
5 31	13 41.90	− 3 7.0	1.248	2.089	20.2	20.9

499324 2009 WK_{144} 4 23.4 211°.37 0°.9/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.22	−10 42.9	2.198	3.049	11.5	22.6
4 1	14 24.73	−10 33.5	2.114	3.043	8.3	22.4
4 11	14 16.41	−10 18.6	2.055	3.036	4.7	22.2
4 21	14 6.93	−10 0.7	2.024	3.028	1.1	21.9
5 1	13 57.15	− 9 42.9	2.023	3.020	3.4	22.1
5 11	13 48.02	− 9 29.0	2.051	3.011	7.2	22.3
5 21	13 40.29	− 9 21.9	2.105	3.001	10.7	22.5
5 31	13 34.53	− 9 24.0	2.181	2.991	13.7	22.7

310496 2000 UY_{72} 4 23.4 176°.08 0°.7/23.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.55	−16 31.8	1.971	2.813	13.0	22.2
4 1	14 25.09	−16 11.0	1.894	2.817	9.5	22.0
4 11	14 16.64	−15 38.5	1.842	2.819	5.6	21.7
4 21	14 6.97	−14 56.9	1.817	2.820	1.5	21.4
5 1	13 57.08	−14 10.3	1.821	2.821	3.2	21.6
5 11	13 48.00	−13 24.3	1.854	2.821	7.3	21.8
5 21	13 40.55	−12 44.1	1.912	2.820	11.1	22.0
5 31	13 35.31	−12 13.8	1.993	2.818	14.3	22.3

257447 1037 $T\text{-}_{2}$ 4 23.4 224°.96 0°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.85	−15 31.6	1.997	2.845	12.6	22.0
4 1	14 23.96	−15 0.7	1.908	2.834	9.3	21.8
4 11	14 16.06	−14 18.1	1.843	2.822	5.4	21.5
4 21	14 6.87	−13 26.7	1.806	2.810	1.1	21.2
5 1	13 57.34	−12 31.2	1.797	2.797	3.3	21.3
5 11	13 48.49	−11 37.5	1.817	2.783	7.5	21.6
5 21	13 41.16	−10 50.8	1.862	2.768	11.4	21.8
5 31	13 35.97	−10 15.8	1.930	2.753	14.8	22.0

79254 Tsuda 4 23.4 215°.54 1°.3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.04	−10 59.1	1.864	2.726	12.7	19.6
4 1	14 23.38	−10 25.4	1.786	2.721	9.2	19.3
4 11	14 15.72	− 9 44.0	1.733	2.716	5.2	19.1
4 21	14 6.80	− 8 58.7	1.707	2.711	1.5	18.8
5 1	13 57.62	− 8 14.7	1.709	2.705	4.1	19.0
5 11	13 49.20	− 7 37.4	1.738	2.698	8.3	19.2
5 21	13 42.36	− 7 11.1	1.792	2.692	12.1	19.4
5 31	13 37.71	− 6 58.5	1.867	2.685	15.4	19.6

237333 2009 UN_{130} 4 23.4 273°.63 1°.4/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.26	−12 29.0	1.805	2.671	12.9	19.8
4 1	14 21.53	−11 29.6	1.716	2.653	9.4	19.5
4 11	14 14.75	−10 18.3	1.652	2.635	5.3	19.2
4 21	14 6.64	− 9 0.0	1.613	2.617	1.5	18.9
5 1	13 58.14	− 7 41.5	1.603	2.599	4.4	19.1
5 11	13 50.33	− 6 30.4	1.620	2.580	8.8	19.3
5 21	13 44.06	− 5 32.8	1.661	2.561	12.9	19.5
5 31	13 39.97	− 4 52.9	1.723	2.542	16.4	19.7

253567 2003 SX_{275} 4 23.4 234°.83 0°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.04	−14 14.7	1.825	2.677	13.4	20.9
4 1	14 25.75	−14 6.3	1.737	2.665	9.9	20.7
4 11	14 17.19	−13 48.2	1.673	2.652	5.7	20.4
4 21	14 7.12	−13 22.5	1.635	2.639	1.2	20.0
5 1	13 56.60	−12 52.8	1.626	2.625	3.5	20.2
5 11	13 46.79	−12 24.2	1.644	2.611	8.1	20.4
5 21	13 38.68	−12 1.6	1.688	2.596	12.2	20.6
5 31	13 32.95	−11 49.0	1.753	2.581	15.8	20.8

497625 2006 QT_{81} 4 23.4 276°.62 1°.3/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.53	−11 27.7	1.609	2.477	14.1	21.6
4 1	14 24.20	−10 59.7	1.519	2.457	10.3	21.3
4 11	14 16.43	−10 22.1	1.453	2.436	5.9	21.0
4 21	14 6.99	− 9 38.6	1.411	2.415	1.5	20.7
5 1	13 56.99	− 8 54.9	1.397	2.394	4.5	20.8
5 11	13 47.69	− 8 17.4	1.409	2.373	9.4	21.0
5 21	13 40.18	− 7 51.5	1.444	2.351	14.0	21.3
5 31	13 35.22	− 7 41.1	1.499	2.330	17.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
253290 2003 BO_{61}			4 23.4 105°.58		1°.6/22.1 18	
	h m	° ′			°	m
3 22	14 30.66	− 9 45.1	1.870	2.731	12.7	20.6
4 1	14 24.30	− 9 16.8	1.815	2.750	9.1	20.4
4 11	14 16.09	− 8 42.9	1.785	2.767	5.1	20.2
4 21	14 6.86	− 8 7.5	1.782	2.785	1.7	20.0
5 1	13 57.59	− 7 35.2	1.807	2.802	4.1	20.2
5 11	13 49.26	− 7 10.3	1.860	2.818	8.0	20.5
5 21	13 42.61	− 6 56.2	1.938	2.834	11.5	20.7
5 31	13 38.10	− 6 54.4	2.037	2.850	14.5	20.9
353561 2011 SN_{225}			4 23.4 156°.15		1°.7/25.2 17	
3 22	14 25.20	−20 28.5	2.490	3.320	11.0	21.4
4 1	14 20.22	−20 7.5	2.410	3.323	8.3	21.2
4 11	14 13.76	−19 34.6	2.355	3.325	5.2	21.0
4 21	14 6.43	−18 51.8	2.328	3.327	2.3	20.8
5 1	13 58.94	−18 2.2	2.330	3.329	2.7	20.8
5 11	13 52.05	−17 10.3	2.360	3.331	5.7	21.0
5 21	13 46.37	−16 20.8	2.417	3.332	8.7	21.2
5 31	13 42.35	−15 37.6	2.498	3.334	11.4	21.4
163368 2002 PF_{3}			4 23.4 190°.79		3°.0/26.6 18	
3 22	14 26.55	−25 9.5	2.350	3.163	12.2	20.0
4 1	14 21.33	−24 44.9	2.265	3.162	9.4	19.8
4 11	14 14.45	−24 4.0	2.203	3.161	6.4	19.6
4 21	14 6.57	−23 8.2	2.168	3.159	3.7	19.4
5 1	13 58.50	−22 0.9	2.162	3.157	3.4	19.4
5 11	13 51.10	−20 47.8	2.184	3.155	6.1	19.6
5 21	13 45.05	−19 34.6	2.234	3.153	9.2	19.8
5 31	13 40.85	−18 27.2	2.307	3.150	12.0	19.9
305447 2008 CP_{202}			4 23.4 189°.05		3°.5/19.4 18	
3 22	14 23.96	− 3 25.9	2.494	3.362	9.7	21.4
4 1	14 19.23	− 2 24.6	2.425	3.361	7.0	21.2
4 11	14 13.16	− 1 22.1	2.383	3.361	4.5	21.0
4 21	14 6.31	− 0 23.1	2.370	3.360	3.5	20.9
5 1	13 59.34	+ 0 27.8	2.385	3.359	5.2	21.1
5 11	13 52.92	+ 1 6.6	2.427	3.358	7.9	21.2
5 21	13 47.61	+ 1 31.2	2.495	3.356	10.5	21.4
5 31	13 43.83	+ 1 40.6	2.584	3.354	12.9	21.5
508032 2015 BM_{455}			4 23.4 337°.87		1°.9/22.0 17	
3 22	14 26.22	− 9 50.9	1.553	2.430	14.0	20.9
4 1	14 21.67	− 9 20.9	1.480	2.422	10.1	20.6
4 11	14 14.88	− 8 43.5	1.431	2.415	5.7	20.3
4 21	14 6.68	− 8 3.2	1.406	2.409	1.9	20.1
5 1	13 58.15	− 7 26.1	1.408	2.403	4.8	20.3
5 11	13 50.47	− 6 57.8	1.434	2.398	9.4	20.5
5 21	13 44.57	− 6 42.8	1.484	2.393	13.6	20.7
5 31	13 41.09	− 6 43.5	1.553	2.389	17.1	21.0
497171 2004 TX_{1}			4 23.4 151°.00		0°.7/22.6 17	
3 22	14 27.10	−13 9.0	2.444	3.294	10.5	22.2
4 1	14 21.47	−12 19.2	2.375	3.304	7.6	22.0
4 11	14 14.42	−11 21.6	2.332	3.313	4.2	21.8
4 21	14 6.55	−10 19.9	2.318	3.322	0.9	21.6
5 1	13 58.61	− 9 18.5	2.333	3.330	3.1	21.8
5 11	13 51.32	− 8 22.3	2.378	3.337	6.5	22.0
5 21	13 45.28	− 7 35.2	2.450	3.344	9.5	22.2
5 31	13 40.90	− 6 59.9	2.545	3.350	12.1	22.4
325133 2008 EO_{139}			4 23.4 195°.86		3°.3/25.9 17	
3 22	14 30.99	−22 45.0	1.920	2.745	14.0	20.4
4 1	14 24.91	−22 52.0	1.838	2.744	10.8	20.2
4 11	14 16.67	−22 43.2	1.779	2.742	7.2	20.0
4 21	14 7.03	−22 19.0	1.746	2.740	3.9	19.8
5 1	13 57.06	−21 42.1	1.741	2.737	4.0	19.8
5 11	13 47.88	−20 57.6	1.763	2.734	7.3	19.9
5 21	13 40.40	−20 11.6	1.811	2.730	10.9	20.2
5 31	13 35.26	−19 30.2	1.881	2.726	14.2	20.4
161890 2007 DT_{3}			4 23.4 85°.65		0°.1/23.4 18	
3 22	14 29.29	−15 34.8	1.746	2.601	13.8	21.1
4 1	14 23.42	−14 55.4	1.693	2.623	10.0	20.9
4 11	14 15.63	−14 4.4	1.665	2.645	5.7	20.7
4 21	14 6.79	−13 6.0	1.663	2.667	1.1	20.4
5 1	13 57.96	−12 6.0	1.689	2.688	3.4	20.6
5 11	13 50.16	−11 10.9	1.742	2.709	7.7	20.9
5 21	13 44.12	−10 25.8	1.820	2.730	11.4	21.2
5 31	13 40.31	− 9 54.1	1.920	2.751	14.5	21.4
290803 2005 VB_{89}			4 23.4 275°.36		3°.9/20.9 17	
3 22	14 30.70	− 6 17.5	1.374	2.254	15.3	20.5
4 1	14 25.36	− 5 29.6	1.291	2.234	11.2	20.2
4 11	14 17.24	− 4 35.4	1.230	2.213	6.7	19.9
4 21	14 7.19	− 3 41.4	1.194	2.193	3.9	19.7
5 1	13 56.50	− 2 55.7	1.183	2.172	7.0	19.8
5 11	13 46.65	− 2 25.7	1.197	2.151	11.9	20.0
5 21	13 38.85	− 2 16.0	1.232	2.129	16.6	20.2
5 31	13 33.96	− 2 28.5	1.285	2.108	20.8	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
289485 2005 EB_{90}			4 23.4 38°.60		1°.9/22.1 18	
	h m	° ′			°	m
3 22	14 28.03	−10 46.4	1.258	2.141	16.2	20.1
4 1	14 23.16	−10 6.2	1.206	2.151	11.6	19.9
4 11	14 15.75	− 9 16.4	1.175	2.160	6.5	19.6
4 21	14 6.84	− 8 23.4	1.167	2.171	2.0	19.4
5 1	13 57.80	− 7 34.6	1.185	2.182	5.3	19.6
5 11	13 49.98	− 6 57.3	1.227	2.193	10.3	19.9
5 21	13 44.36	− 6 36.4	1.290	2.205	14.8	20.2
5 31	13 41.51	− 6 33.9	1.372	2.217	18.5	20.5
29316 1994 LY_{1}			4 23.4 137°.12		6°.1/18.9 18	
3 22	14 30.33	− 0 54.7	1.477	2.356	14.5	19.4
4 1	14 24.50	+ 0 20.0	1.423	2.362	10.7	19.2
4 11	14 16.40	+ 1 33.5	1.393	2.368	7.3	19.0
4 21	14 6.97	+ 2 37.3	1.388	2.373	6.2	19.0
5 1	13 57.41	+ 3 23.7	1.409	2.379	8.5	19.1
5 11	13 48.93	+ 3 47.5	1.454	2.384	12.2	19.3
5 21	13 42.44	+ 3 47.3	1.521	2.388	15.7	19.6
5 31	13 38.47	+ 3 24.4	1.606	2.392	18.8	19.8
277692 2006 CL_{19}			4 23.4 53°.44		3°.2/26.0 17	
3 22	14 27.93	−22 57.4	1.811	2.644	14.4	20.3
4 1	14 22.73	−22 53.0	1.736	2.647	11.0	20.1
4 11	14 15.42	−22 31.4	1.684	2.649	7.3	19.9
4 21	14 6.79	−21 53.9	1.657	2.652	3.9	19.7
5 1	13 57.92	−21 3.9	1.657	2.654	3.9	19.7
5 11	13 49.90	−20 7.5	1.683	2.657	7.3	19.9
5 21	13 43.59	−19 11.7	1.735	2.659	11.0	20.1
5 31	13 39.61	−18 22.4	1.809	2.662	14.3	20.3
111282 2001 XD_{41}			4 23.4 111°.13		3°.2/21.3 17	
3 22	14 32.30	− 4 3.5	1.820	2.685	12.8	19.3
4 1	14 25.62	− 3 52.7	1.758	2.693	9.3	19.1
4 11	14 16.94	− 3 42.1	1.720	2.700	5.6	18.9
4 21	14 7.08	− 3 35.4	1.709	2.707	3.2	18.7
5 1	13 57.07	− 3 36.3	1.726	2.713	5.4	18.9
5 11	13 47.96	− 3 47.5	1.771	2.720	9.0	19.1
5 21	13 40.58	− 4 10.3	1.840	2.727	12.5	19.3
5 31	13 35.45	− 4 45.1	1.930	2.733	15.5	19.6
407706 2011 UG_{155}			4 23.4 101°.33		6°.6/18.6 18	
3 22	14 30.12	+ 0 26.7	1.448	2.329	14.6	21.6
4 1	14 24.32	+ 1 42.1	1.401	2.339	10.9	21.4
4 11	14 16.27	+ 2 54.1	1.377	2.349	7.7	21.2
4 21	14 6.94	+ 3 54.1	1.377	2.360	6.7	21.2
5 1	13 57.56	+ 4 34.6	1.403	2.369	9.0	21.3
5 11	13 49.31	+ 4 51.3	1.454	2.379	12.5	21.5
5 21	13 43.06	+ 4 43.5	1.525	2.389	15.9	21.8
5 31	13 39.34	+ 4 13.1	1.614	2.398	18.8	22.0
255652 2006 QQ_{21}			4 23.4 218°.43		1°.2/24.4 17	
3 22	14 30.36	−18 0.0	1.969	2.810	13.0	21.8
4 1	14 24.38	−17 41.2	1.882	2.802	9.7	21.5
4 11	14 16.35	−17 9.3	1.818	2.793	5.9	21.3
4 21	14 6.99	−16 26.4	1.781	2.784	1.9	21.0
5 1	13 57.28	−15 36.4	1.773	2.773	3.2	21.1
5 11	13 48.28	−14 44.9	1.793	2.763	7.3	21.3
5 21	13 40.86	−13 57.9	1.839	2.751	11.2	21.5
5 31	13 35.65	−13 20.1	1.907	2.739	14.6	21.7
28386 1999 JD_{79}			4 23.4 216°.88		1°.5/21.7 18	
3 22	14 24.30	−10 41.6	2.353	3.214	10.5	18.2
4 1	14 19.60	− 9 46.2	2.276	3.211	7.5	18.0
4 11	14 13.44	− 8 44.0	2.225	3.208	4.2	17.7
4 21	14 6.40	− 7 39.1	2.202	3.204	1.5	17.5
5 1	13 59.20	− 6 36.5	2.208	3.200	3.7	17.7
5 11	13 52.59	− 5 41.1	2.242	3.197	7.1	17.9
5 21	13 47.16	− 4 56.8	2.302	3.193	10.2	18.1
5 31	13 43.38	− 4 26.0	2.385	3.189	12.9	18.3
7198 Montelupo			4 23.4 203°.72		6°.3/16.9 18	
3 22	14 27.59	+ 4 36.6	2.207	3.070	10.9	17.1
4 1	14 22.01	+ 5 52.2	2.142	3.066	8.5	17.0
4 11	14 14.82	+ 7 3.3	2.103	3.061	6.7	16.8
4 21	14 6.67	+ 8 3.5	2.092	3.055	6.5	16.8
5 1	13 58.35	+ 8 47.2	2.108	3.049	8.1	16.9
5 11	13 50.69	+ 9 11.1	2.150	3.043	10.6	17.1
5 21	13 44.35	+ 9 14.1	2.215	3.035	13.1	17.2
5 31	13 39.82	+ 8 57.1	2.300	3.027	15.4	17.4
261929 2006 KT_{120}			4 23.4 270°.62		4°.0/26.3 17	
3 22	14 30.39	−24 31.1	1.749	2.574	15.1	21.4
4 1	14 24.94	−24 28.4	1.645	2.550	11.9	21.1
4 11	14 16.95	−24 5.9	1.563	2.524	8.2	20.9
4 21	14 7.15	−23 23.1	1.506	2.498	4.7	20.6
5 1	13 56.68	−22 22.4	1.476	2.472	4.6	20.5
5 11	13 46.85	−21 10.3	1.473	2.445	8.3	20.7
5 21	13 38.80	−19 55.1	1.494	2.418	12.5	20.8
5 31	13 33.38	−18 45.5	1.537	2.390	16.5	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491029 2011 PY_8			4 23.4 219°.98		2°.5/26.1 18	
	h m	° ′			°	m
3 22	14 27.06	−23 6.5	2.836	3.647	10.3	22.7
4 1	14 21.52	−23 1.8	2.740	3.638	8.0	22.6
4 11	14 14.53	−22 45.4	2.668	3.628	5.3	22.4
4 21	14 6.63	−22 17.9	2.625	3.617	3.0	22.2
5 1	13 58.48	−21 41.5	2.611	3.606	3.0	22.2
5 11	13 50.81	−20 59.7	2.627	3.595	5.4	22.3
5 21	13 44.22	−20 16.4	2.670	3.583	8.1	22.5
5 31	13 39.21	−19 35.8	2.738	3.571	10.6	22.6
198343 2004 VG			4 23.4 180°.60		4°.2/27.3 17	
3 22	14 30.60	−27 18.7	2.444	3.237	12.3	21.5
4 1	14 24.29	−27 31.8	2.358	3.238	9.8	21.4
4 11	14 16.19	−27 29.5	2.295	3.239	7.1	21.2
4 21	14 6.96	−27 11.4	2.260	3.239	4.8	21.0
5 1	13 57.46	−26 39.2	2.253	3.239	4.4	21.0
5 11	13 48.61	−25 56.6	2.274	3.238	6.4	21.1
5 21	13 41.17	−25 9.0	2.323	3.236	9.1	21.3
5 31	13 35.69	−24 21.7	2.395	3.234	11.8	21.5
26183 Henrigodard			4 23.4 198°.00		0°.3/23.1 18	
3 22	14 27.26	−13 20.0	2.241	3.094	11.3	19.2
4 1	14 21.83	−12 57.5	2.163	3.092	8.1	19.0
4 11	14 14.76	−12 27.2	2.109	3.090	4.6	18.8
4 21	14 6.67	−11 51.8	2.084	3.088	0.9	18.5
5 1	13 58.39	−11 15.2	2.087	3.085	3.0	18.7
5 11	13 50.74	−10 41.5	2.118	3.083	6.7	18.9
5 21	13 44.40	−10 14.6	2.176	3.080	10.1	19.1
5 31	13 39.89	− 9 57.3	2.256	3.077	13.0	19.3
379915 2012 JU_{64}			4 23.4 16°.87		0°.3/23.1 17	
3 22	14 25.63	−15 25.9	1.519	2.387	14.7	20.7
4 1	14 21.23	−14 34.2	1.452	2.389	10.7	20.5
4 11	14 14.61	−13 27.9	1.408	2.391	6.1	20.2
4 21	14 6.66	−12 12.2	1.389	2.393	1.1	19.9
5 1	13 58.50	−10 54.4	1.397	2.396	4.0	20.1
5 11	13 51.30	− 9 43.2	1.430	2.399	8.8	20.4
5 21	13 45.94	− 8 45.1	1.487	2.403	13.1	20.6
5 31	13 43.00	− 8 4.7	1.564	2.407	16.7	20.9
107290 2001 CA			4 23.4 39°.80		1°.5/24.3 18	
3 22	14 29.06	−17 20.1	1.262	2.130	17.1	19.5
4 1	14 24.01	−17 11.8	1.207	2.141	12.6	19.2
4 11	14 16.30	−16 47.2	1.173	2.153	7.6	19.0
4 21	14 6.99	−16 9.6	1.163	2.166	2.4	18.7
5 1	13 57.51	−15 24.7	1.177	2.179	4.0	18.8
5 11	13 49.30	−14 40.4	1.216	2.192	9.1	19.1
5 21	13 43.39	−14 3.7	1.277	2.206	13.8	19.4
5 31	13 40.38	−13 39.8	1.358	2.220	17.7	19.7
355886 2008 WW_4			4 23.4 330°.13		1°.8/22.5 14 C	
3 22	14 31.84	− 9 19.6	1.225	2.106	16.7	20.5
4 1	14 26.29	− 9 14.7	1.158	2.101	12.2	20.3
4 11	14 17.77	− 9 3.5	1.111	2.096	6.9	20.0
4 21	14 7.31	− 8 49.9	1.088	2.092	2.0	19.6
5 1	13 56.38	− 8 39.2	1.091	2.088	5.3	19.8
5 11	13 46.59	− 8 36.8	1.117	2.085	10.8	20.1
5 21	13 39.17	− 8 46.7	1.164	2.082	15.8	20.4
5 31	13 34.89	− 9 11.1	1.230	2.079	20.0	20.6
167195 2003 TP_1			4 23.4 48°.77		1°.7/22.1 18	
3 22	14 27.53	−10 6.1	1.628	2.500	13.7	19.3
4 1	14 22.23	− 9 30.9	1.582	2.522	9.8	19.1
4 11	14 15.00	− 8 49.5	1.559	2.543	5.4	18.9
4 21	14 6.71	− 8 6.6	1.563	2.566	1.8	18.7
5 1	13 58.43	− 7 27.8	1.593	2.588	4.4	19.0
5 11	13 51.18	− 6 58.2	1.649	2.611	8.5	19.3
5 21	13 45.70	− 6 41.3	1.729	2.633	12.2	19.5
5 31	13 42.45	− 6 38.6	1.830	2.657	15.3	19.8
418334 2008 GQ_7			4 23.4 270°.63		1°.0/21.6 18	
3 22	14 18.86	− 8 5.0	4.453	5.308	6.0	21.3
4 1	14 15.16	− 7 42.6	4.372	5.304	4.3	21.2
4 11	14 10.73	− 7 18.4	4.319	5.300	2.4	21.1
4 21	14 5.88	− 6 54.0	4.295	5.296	1.0	20.9
5 1	14 0.95	− 6 31.4	4.302	5.292	2.2	21.0
5 11	13 56.30	− 6 12.2	4.338	5.288	4.1	21.2
5 21	13 52.21	− 5 58.0	4.401	5.284	5.9	21.3
5 31	13 48.95	− 5 49.9	4.489	5.280	7.5	21.4
320486 2007 VQ_{332}			4 23.4 202°.12		6°.2/28.7 16	
3 22	14 32.79	−31 43.8	2.020	2.800	15.0	21.4
4 1	14 26.34	−31 56.6	1.930	2.796	12.3	21.2
4 11	14 17.57	−31 47.5	1.862	2.791	9.4	21.0
4 21	14 7.27	−31 15.0	1.818	2.785	6.9	20.8
5 1	13 56.58	−30 20.3	1.801	2.779	6.3	20.8
5 11	13 46.71	−29 9.0	1.812	2.771	8.0	20.9
5 21	13 38.65	−27 48.9	1.848	2.763	11.0	21.0
5 31	13 33.09	−26 28.4	1.907	2.755	14.0	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
352007 2006 UZ_{289}			4 23.4 63°.03		2°.0/25.4 17	
	h m	° ′			°	m
3 22	14 25.42	−21 4.4	2.234	3.067	12.0	21.0
4 1	14 20.56	−20 45.2	2.155	3.068	9.1	20.8
4 11	14 14.06	−20 12.5	2.101	3.070	5.8	20.6
4 21	14 6.56	−19 28.2	2.073	3.071	2.6	20.4
5 1	13 58.88	−18 35.9	2.074	3.073	2.9	20.4
5 11	13 51.86	−17 40.7	2.103	3.075	6.2	20.6
5 21	13 46.19	−16 47.7	2.158	3.076	9.4	20.8
5 31	13 42.35	−16 1.7	2.236	3.078	12.3	21.0
300016 2006 UO_{74}			4 23.4 120°.70		1°.3/24.7 17	
3 22	14 25.87	−18 50.5	2.472	3.307	10.9	21.7
4 1	14 20.67	−18 28.7	2.400	3.316	8.1	21.6
4 11	14 14.03	−17 56.2	2.352	3.325	4.9	21.4
4 21	14 6.55	−17 15.0	2.333	3.334	1.8	21.2
5 1	13 58.95	−16 28.7	2.343	3.343	2.5	21.2
5 11	13 51.99	−15 41.6	2.381	3.351	5.7	21.5
5 21	13 46.26	−14 57.9	2.446	3.359	8.8	21.7
5 31	13 42.18	−14 21.2	2.535	3.367	11.4	21.9
125191 2001 UU_{121}			4 23.4 131°.37		1°.5/22.3 18	
3 22	14 32.12	−10 47.8	1.587	2.452	14.4	20.6
4 1	14 25.74	−10 14.6	1.527	2.463	10.4	20.3
4 11	14 17.11	− 9 33.5	1.490	2.473	5.8	20.1
4 21	14 7.16	− 8 49.0	1.479	2.483	1.7	19.8
5 1	13 57.07	− 8 7.0	1.496	2.492	4.5	20.1
5 11	13 48.05	− 7 33.3	1.539	2.500	9.1	20.3
5 21	13 40.98	− 7 12.1	1.606	2.509	13.1	20.6
5 31	13 36.42	− 7 6.0	1.694	2.516	16.5	20.8
126445 Prestonreeves			4 23.4 158°.24		2°.4/21.6 18	
3 22	14 31.96	− 5 46.4	2.078	2.937	11.7	19.9
4 1	14 25.24	− 5 34.9	2.009	2.942	8.5	19.7
4 11	14 16.70	− 5 22.0	1.966	2.946	4.9	19.5
4 21	14 7.09	− 5 10.9	1.951	2.950	2.5	19.4
5 1	13 57.31	− 5 4.8	1.965	2.954	4.5	19.5
5 11	13 48.30	− 5 6.9	2.007	2.958	8.0	19.7
5 21	13 40.80	− 5 18.8	2.075	2.960	11.3	19.9
5 31	13 35.35	− 5 41.5	2.165	2.963	14.2	20.1
51664 2001 JB_9			4 23.4 245°.20		0°.1/23.3 18	
3 22	14 27.53	−13 53.8	2.325	3.174	11.0	19.5
4 1	14 22.08	−13 34.4	2.234	3.161	8.0	19.3
4 11	14 14.97	−13 6.9	2.168	3.147	4.6	19.1
4 21	14 6.77	−12 33.7	2.129	3.134	0.9	18.8
5 1	13 58.28	−11 58.1	2.120	3.119	2.9	18.9
5 11	13 50.32	−11 24.4	2.140	3.105	6.6	19.1
5 21	13 43.62	−10 56.4	2.185	3.090	10.0	19.3
5 31	13 38.71	−10 37.4	2.254	3.074	13.0	19.5
80583 2000 AL_{127}			4 23.4 12°.89		0°.1/23.5 17 R	
3 22	14 25.63	−15 37.1	1.280	2.157	16.4	18.7
4 1	14 21.56	−15 1.6	1.219	2.159	12.0	18.4
4 11	14 14.95	−14 10.2	1.178	2.162	6.9	18.1
4 21	14 6.78	−13 8.1	1.161	2.166	1.4	17.8
5 1	13 58.36	−12 2.6	1.169	2.170	4.2	18.0
5 11	13 51.05	−11 2.8	1.202	2.176	9.5	18.3
5 21	13 45.86	−10 15.8	1.256	2.182	14.2	18.6
5 31	13 43.42	− 9 46.3	1.329	2.189	18.1	18.9
155595 2000 CL_{31}			4 23.4 35°.30		3°.8/20.8 18	
3 22	14 27.83	− 8 12.4	1.193	2.082	16.4	19.3
4 1	14 23.19	− 7 0.8	1.138	2.086	11.8	19.0
4 11	14 15.87	− 5 40.6	1.105	2.090	6.9	18.7
4 21	14 6.96	− 4 20.7	1.095	2.095	3.8	18.6
5 1	13 57.84	− 3 11.2	1.109	2.099	7.0	18.8
5 11	13 49.95	− 2 20.8	1.147	2.104	11.9	19.0
5 21	13 44.31	− 1 53.9	1.206	2.110	16.4	19.3
5 31	13 41.55	− 1 51.8	1.282	2.115	20.2	19.6
424116 2007 EU_{111}			4 23.4 136°.97		2°.3/24.9 18	
3 22	14 33.58	−18 56.2	2.053	2.883	13.0	21.1
4 1	14 26.58	−19 19.1	1.980	2.893	9.8	20.9
4 11	14 17.55	−19 31.1	1.932	2.901	6.2	20.7
4 21	14 7.28	−19 32.1	1.911	2.910	2.8	20.5
5 1	13 56.77	−19 24.2	1.920	2.918	3.4	20.6
5 11	13 47.06	−19 11.0	1.956	2.925	6.9	20.8
5 21	13 39.01	−18 56.7	2.020	2.932	10.3	21.0
5 31	13 33.18	−18 45.7	2.106	2.939	13.3	21.2
442692 2012 UC_{61}			4 23.4 235°.72		5°.6/29.6 18	
3 22	14 27.08	−33 28.6	2.548	3.312	12.6	21.2
4 1	14 21.83	−33 32.9	2.453	3.305	10.5	21.0
4 11	14 14.84	−33 18.3	2.380	3.298	8.2	20.8
4 21	14 6.75	−32 44.2	2.332	3.290	6.3	20.7
5 1	13 58.39	−31 51.8	2.312	3.283	5.6	20.7
5 11	13 50.65	−30 45.5	2.319	3.275	6.8	20.7
5 21	13 44.27	−29 31.0	2.352	3.267	9.0	20.8
5 31	13 39.77	−28 14.7	2.410	3.258	11.4	21.0

213825 2003 QW_{63} 4 23.4 214°.60 0°.3/23.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.77	−13 20.5	2.044	2.893	12.3	20.7
4 1	14 25.33	−13 1.3	1.957	2.884	9.0	20.5
4 11	14 16.90	−12 33.3	1.895	2.875	5.2	20.2
4 21	14 7.17	−11 59.2	1.860	2.865	1.0	19.9
5 1	13 57.11	−11 22.9	1.855	2.854	3.4	20.0
5 11	13 47.71	−10 49.3	1.878	2.842	7.5	20.3
5 21	13 39.84	−10 22.5	1.928	2.829	11.3	20.5
5 31	13 34.10	−10 6.2	1.999	2.816	14.6	20.7

30361 2000 JJ_{51} 4 23.4 347°.23 0°.4/23.2 18

3 22	14 32.56	−10 34.9	1.409	2.280	15.5	17.8
4 1	14 26.59	−11 1.1	1.337	2.275	11.4	17.5
4 11	14 17.89	−11 22.3	1.288	2.271	6.5	17.2
4 21	14 7.39	−11 40.1	1.263	2.268	1.3	16.9
5 1	13 56.43	−11 56.9	1.265	2.265	4.2	17.1
5 11	13 46.44	−12 16.0	1.292	2.262	9.4	17.4
5 21	13 38.60	−12 40.4	1.342	2.261	14.0	17.6
5 31	13 33.66	−13 12.6	1.412	2.260	17.9	17.9

363234 2001 XU_{168} 4 23.4 93°.11 1°.8/24.7 18

3 22	14 31.05	−19 36.7	1.450	2.302	16.3	20.6
4 1	14 25.19	−19 10.8	1.392	2.317	12.1	20.4
4 11	14 16.88	−18 26.9	1.356	2.332	7.4	20.1
4 21	14 7.15	−17 28.4	1.345	2.346	2.7	19.9
5 1	13 57.32	−16 21.5	1.360	2.361	3.7	20.0
5 11	13 48.71	−15 14.6	1.401	2.375	8.4	20.3
5 21	13 42.25	−14 15.5	1.467	2.389	12.8	20.6
5 31	13 38.49	−13 30.0	1.552	2.403	16.4	20.8

172041 2001 WJ_{96} 4 23.4 290°.23 0°.6/22.9 17

3 22	14 26.04	−12 20.6	2.149	3.007	11.4	20.9
4 1	14 21.06	−11 57.9	2.069	3.001	8.3	20.6
4 11	14 14.40	−11 28.0	2.013	2.995	4.7	20.4
4 21	14 6.68	−10 53.7	1.985	2.989	1.0	20.1
5 1	13 58.73	−10 18.9	1.985	2.983	3.3	20.3
5 11	13 51.40	− 9 48.0	2.013	2.977	7.0	20.5
5 21	13 45.38	− 9 24.8	2.066	2.971	10.5	20.7
5 31	13 41.22	− 9 12.0	2.141	2.965	13.5	20.9

67357 2000 KS_{15} 4 23.4 317°.30 1°.4/22.2 18 R

3 22	14 26.35	−10 14.1	2.038	2.902	11.7	19.7
4 1	14 21.31	− 9 44.6	1.965	2.901	8.4	19.5
4 11	14 14.54	− 9 9.0	1.916	2.899	4.7	19.2
4 21	14 6.72	− 8 31.0	1.894	2.897	1.5	19.0
5 1	13 58.69	− 7 55.0	1.900	2.895	3.9	19.2
5 11	13 51.34	− 7 25.5	1.934	2.894	7.6	19.4
5 21	13 45.40	− 7 5.9	1.992	2.892	11.1	19.6
5 31	13 41.37	− 6 58.7	2.072	2.891	14.1	19.8

293720 2007 RX_{1} 4 23.4 283°.27 2°.5/21.5 17

3 22	14 28.82	− 6 27.4	1.932	2.799	12.1	21.0
4 1	14 23.22	− 6 8.8	1.855	2.791	8.8	20.8
4 11	14 15.69	− 5 47.8	1.802	2.784	5.1	20.5
4 21	14 6.95	− 5 27.8	1.777	2.777	2.5	20.3
5 1	13 57.94	− 5 13.0	1.779	2.770	4.8	20.5
5 11	13 49.62	− 5 7.2	1.809	2.763	8.5	20.7
5 21	13 42.80	− 5 12.8	1.863	2.756	12.1	20.9
5 31	13 38.07	− 5 30.9	1.938	2.749	15.2	21.1

428027 2006 BZ_{276} 4 23.4 37°.88 1°.9/21.9 17

3 22	14 26.11	−10 26.2	1.579	2.455	13.9	21.3
4 1	14 21.41	− 9 38.9	1.522	2.464	9.9	21.1
4 11	14 14.67	− 8 43.8	1.489	2.473	5.6	20.9
4 21	14 6.74	− 7 46.3	1.481	2.483	2.0	20.7
5 1	13 58.69	− 6 53.0	1.499	2.494	4.8	20.9
5 11	13 51.61	− 6 10.3	1.543	2.505	9.0	21.1
5 21	13 46.28	− 5 42.2	1.611	2.516	12.9	21.4
5 31	13 43.23	− 5 31.0	1.698	2.528	16.2	21.6

31169 1997 WV_{53} 4 23.4 63°.21 1°.2/22.6 18

3 22	14 29.02	−11 17.8	1.609	2.478	14.1	18.7
4 1	14 23.52	−10 52.8	1.550	2.487	10.1	18.5
4 11	14 15.88	−10 20.0	1.514	2.497	5.7	18.2
4 21	14 6.98	− 9 43.5	1.504	2.507	1.4	18.0
5 1	13 57.95	− 9 8.5	1.520	2.518	4.2	18.2
5 11	13 49.90	− 8 40.5	1.563	2.528	8.6	18.5
5 21	13 43.69	− 8 23.4	1.630	2.538	12.6	18.7
5 31	13 39.85	− 8 19.8	1.717	2.549	15.9	19.0

242172 2003 GH_{53} 4 23.4 18°.64 5°.3/19.9 18

3 22	14 26.29	− 5 14.1	1.101	1.998	16.8	19.5
4 1	14 22.20	− 3 58.7	1.051	2.002	12.2	19.2
4 11	14 15.37	− 2 38.9	1.022	2.006	7.5	19.0
4 21	14 6.90	− 1 24.7	1.015	2.011	5.4	18.9
5 1	13 58.24	− 0 26.5	1.032	2.017	8.4	19.1
5 11	13 50.86	+ 0 8.0	1.071	2.024	13.1	19.3
5 21	13 45.80	+ 0 15.7	1.129	2.031	17.4	19.6
5 31	13 43.66	− 0 2.5	1.204	2.039	21.2	19.9

123631 2000 YA_{47} 4 23.4 147°.68 5°.7/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.30	−31 1.8	2.072	2.860	14.4	19.8
4 1	14 23.66	−31 9.6	1.992	2.864	11.8	19.6
4 11	14 15.98	−30 56.6	1.934	2.867	8.9	19.4
4 21	14 7.01	−30 22.2	1.901	2.871	6.4	19.3
5 1	13 57.80	−29 28.4	1.894	2.874	5.7	19.2
5 11	13 49.42	−28 20.8	1.914	2.877	7.5	19.3
5 21	13 42.70	−27 6.5	1.960	2.880	10.2	19.5
5 31	13 38.25	−25 53.1	2.030	2.882	13.0	19.7

457696 2009 EO_{14} 4 23.4 87°.94 1°.1/24.1 18

3 22	14 34.26	−16 0.9	1.477	2.332	15.8	21.6
4 1	14 27.40	−16 0.2	1.424	2.352	11.6	21.4
4 11	14 18.11	−15 46.8	1.394	2.373	6.8	21.2
4 21	14 7.42	−15 23.2	1.390	2.393	1.9	20.9
5 1	13 56.68	−14 53.9	1.413	2.413	3.7	21.1
5 11	13 47.21	−14 24.9	1.461	2.433	8.4	21.4
5 21	13 39.93	−14 1.7	1.534	2.452	12.7	21.7
5 31	13 35.41	−13 48.4	1.628	2.471	16.2	22.0

302019 2000 SR_{95} 4 23.4 210°.45 5°.0/28.7 18

3 22	14 29.82	−31 41.4	2.948	3.709	11.2	22.0
4 1	14 23.65	−32 8.1	2.851	3.703	9.2	21.8
4 11	14 15.86	−32 20.2	2.778	3.696	7.2	21.7
4 21	14 7.01	−32 16.6	2.731	3.689	5.5	21.6
5 1	13 57.85	−31 57.7	2.713	3.681	5.0	21.5
5 11	13 49.17	−31 26.3	2.723	3.673	6.2	21.6
5 21	13 41.66	−30 46.3	2.760	3.664	8.2	21.7
5 31	13 35.86	−30 2.8	2.822	3.655	10.3	21.8

497061 2003 UF_{25} 4 23.4 221°.68 3°.7/27.3 18

3 22	14 27.94	−27 18.7	2.520	3.316	11.9	21.8
4 1	14 22.39	−27 5.2	2.423	3.307	9.4	21.6
4 11	14 15.16	−26 35.3	2.349	3.296	6.7	21.5
4 21	14 6.87	−25 49.4	2.302	3.286	4.3	21.3
5 1	13 58.32	−24 50.0	2.284	3.274	3.9	21.2
5 11	13 50.34	−23 41.7	2.295	3.262	6.1	21.3
5 21	13 43.66	−22 30.4	2.333	3.250	8.9	21.5
5 31	13 38.80	−21 21.9	2.396	3.237	11.7	21.7

302236 2001 WK_{32} 4 23.4 196°.82 1°.1/24.6 17

3 22	14 24.79	−19 17.0	2.394	3.232	11.2	20.9
4 1	14 20.02	−18 34.5	2.312	3.231	8.3	20.7
4 11	14 13.75	−17 39.3	2.255	3.229	5.0	20.5
4 21	14 6.59	−16 34.4	2.226	3.228	1.7	20.3
5 1	13 59.26	−15 24.1	2.226	3.226	2.6	20.4
5 11	13 52.55	−14 13.8	2.255	3.224	6.0	20.6
5 21	13 47.06	−13 8.6	2.310	3.223	9.2	20.8
5 31	13 43.27	−12 13.0	2.389	3.220	12.0	21.0

105272 2000 QD_{25} 4 23.4 308°.54 4°.6/26.5 17

3 22	14 27.84	−24 43.5	1.332	2.177	17.8	19.0
4 1	14 23.54	−24 42.6	1.250	2.165	14.0	18.8
4 11	14 16.34	−24 17.3	1.188	2.154	9.6	18.5
4 21	14 7.16	−23 27.2	1.149	2.143	5.6	18.2
5 1	13 57.40	−22 16.6	1.134	2.132	5.3	18.2
5 11	13 48.63	−20 54.2	1.143	2.121	9.3	18.3
5 21	13 42.11	−19 31.1	1.175	2.111	14.1	18.6
5 31	13 38.68	−18 17.3	1.226	2.101	18.4	18.8

399658 2004 RC_{185} 4 23.4 161°.39 2°.3/25.2 17

3 22	14 31.52	−21 8.1	1.747	2.582	14.7	21.7
4 1	14 25.36	−20 45.3	1.673	2.588	11.1	21.5
4 11	14 16.98	−20 5.3	1.623	2.593	7.0	21.2
4 21	14 7.24	−19 10.0	1.599	2.598	3.0	21.0
5 1	13 57.28	−18 4.5	1.602	2.602	3.5	21.0
5 11	13 48.28	−16 56.0	1.633	2.605	7.6	21.3
5 21	13 41.14	−15 51.6	1.689	2.607	11.6	21.5
5 31	13 36.46	−14 57.7	1.767	2.609	15.1	21.8

496321 2013 JJ_{23} 4 23.4 47°.85 3°.7/21.2 18

3 22	14 30.52	− 5 58.4	1.263	2.147	16.0	20.7
4 1	14 24.97	− 5 24.1	1.213	2.157	11.6	20.5
4 11	14 16.84	− 4 46.9	1.184	2.168	6.8	20.3
4 21	14 7.21	− 4 13.1	1.179	2.179	3.7	20.1
5 1	13 57.46	− 3 49.3	1.200	2.190	6.5	20.3
5 11	13 48.97	− 3 40.6	1.244	2.202	11.1	20.6
5 21	13 42.73	− 3 49.5	1.310	2.214	15.4	20.9
5 31	13 39.32	− 4 16.0	1.395	2.226	18.9	21.1

63609 Francoisecolas 4 23.4 95°.04 0°.3/23.1 18

3 22	14 26.33	−13 48.9	2.162	3.016	11.5	19.5
4 1	14 21.16	−13 15.9	2.097	3.027	8.3	19.3
4 11	14 14.39	−12 34.5	2.056	3.038	4.7	19.1
4 21	14 6.71	−11 48.1	2.044	3.048	0.9	18.8
5 1	13 58.94	−11 1.0	2.060	3.058	3.1	19.0
5 11	13 51.88	−10 17.9	2.104	3.069	6.7	19.3
5 21	13 46.19	− 9 42.9	2.174	3.079	10.0	19.5
5 31	13 42.32	− 9 18.7	2.266	3.089	12.9	19.7

341854 2008 FO_{63} 4 23.4 274.°47 1.°3/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 19.65	− 6 11.2	4.537	5.393	5.9	20.9
4 1	14 15.77	− 5 50.8	4.444	5.376	4.2	20.8
4 11	14 11.15	− 5 29.2	4.380	5.360	2.5	20.6
4 21	14 6.07	− 5 8.2	4.344	5.343	1.3	20.5
5 1	14 0.89	− 4 49.5	4.340	5.326	2.4	20.6
5 11	13 55.95	− 4 34.9	4.365	5.309	4.2	20.7
5 21	13 51.55	− 4 25.6	4.417	5.293	6.0	20.8
5 31	13 47.98	− 4 22.6	4.493	5.276	7.6	20.9

258844 2002 PY_{65} 4 23.4 99.°14 18.°6/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.80	+21 18.9	1.058	1.922	20.1	19.9
4 1	14 24.81	+24 45.8	1.044	1.929	18.8	19.9
4 11	14 16.84	+27 35.7	1.050	1.937	18.8	19.9
4 21	14 7.20	+29 32.8	1.074	1.944	20.0	20.0
5 1	13 57.56	+30 29.0	1.115	1.951	21.9	20.1
5 11	13 49.51	+30 26.2	1.170	1.958	24.1	20.3
5 21	13 44.10	+29 32.9	1.237	1.965	26.0	20.5
5 31	13 41.83	+27 59.7	1.313	1.972	27.7	20.7

168517 1999 TJ_{166} 4 23.4 222.°54 1.°0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 21.58	−19 19.1	3.804	4.628	7.6	20.9
4 1	14 17.28	−18 53.4	3.709	4.620	5.7	20.7
4 11	14 12.05	−18 20.1	3.642	4.612	3.5	20.6
4 21	14 6.26	−17 40.5	3.603	4.603	1.4	20.4
5 1	14 0.34	−16 57.0	3.595	4.594	1.8	20.4
5 11	13 54.76	−16 12.2	3.617	4.585	4.0	20.6
5 21	13 49.91	−15 29.0	3.667	4.576	6.2	20.7
5 31	13 46.12	−14 49.9	3.743	4.567	8.2	20.8

175317 2005 MT_{24} 4 23.4 357.°40 2.°0/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 13.74	−17 47.1	0.791	1.702	20.0	18.0
4 1	14 13.97	−17 44.7	0.735	1.691	15.1	17.7
4 11	14 11.11	−17 18.4	0.696	1.683	9.2	17.4
4 21	14 6.15	−16 31.7	0.674	1.677	3.2	17.0
5 1	14 0.68	−15 33.3	0.672	1.676	4.8	17.1
5 11	13 56.49	−14 35.1	0.689	1.677	11.0	17.4
5 21	13 54.87	−13 48.3	0.722	1.682	16.8	17.7
5 31	13 56.60	−13 20.5	0.772	1.690	21.7	18.0

130936 2000 WD_{40} 4 23.4 131.°62 0.°2/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.61	−16 10.7	2.199	3.044	11.7	20.3
4 1	14 22.04	−15 26.9	2.132	3.056	8.5	20.2
4 11	14 14.88	−14 32.5	2.090	3.068	4.9	19.9
4 21	14 6.82	−13 30.9	2.076	3.080	1.0	19.7
5 1	13 58.67	−12 27.0	2.091	3.091	2.9	19.9
5 11	13 51.27	−11 26.2	2.135	3.101	6.6	20.1
5 21	13 45.27	−10 33.4	2.205	3.111	9.9	20.3
5 31	13 41.11	− 9 52.1	2.299	3.120	12.7	20.5

388365 2006 UM_{43} 4 23.4 181.°94 1.°1/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.35	− 9 44.3	2.487	3.342	10.2	21.4
4 1	14 21.78	− 9 29.2	2.411	3.342	7.3	21.2
4 11	14 14.73	− 9 10.0	2.360	3.342	4.1	21.0
4 21	14 6.80	− 8 49.1	2.339	3.342	1.2	20.7
5 1	13 58.70	− 8 29.7	2.346	3.342	3.2	20.9
5 11	13 51.17	− 8 14.8	2.383	3.341	6.5	21.1
5 21	13 44.82	− 8 6.9	2.445	3.340	9.5	21.3
5 31	13 40.12	− 8 8.0	2.531	3.339	12.1	21.5

275582 1999 TH_{284} 4 23.4 230.°13 2.°2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.19	− 6 47.0	2.394	3.251	10.5	21.0
4 1	14 23.23	− 6 20.7	2.306	3.238	7.6	20.8
4 11	14 15.63	− 5 51.3	2.245	3.225	4.4	20.6
4 21	14 6.99	− 5 22.3	2.212	3.211	2.2	20.4
5 1	13 58.08	− 4 57.3	2.208	3.197	4.2	20.5
5 11	13 49.71	− 4 39.8	2.234	3.182	7.4	20.7
5 21	13 42.56	− 4 32.4	2.285	3.167	10.6	20.9
5 31	13 37.16	− 4 36.5	2.359	3.151	13.3	21.0

38185 1999 KJ 4 23.4 176.°46 0.°9/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.90	−12 32.9	1.761	2.619	13.5	20.4
4 1	14 24.84	−11 58.1	1.689	2.622	9.8	20.2
4 11	14 16.67	−11 13.7	1.641	2.623	5.5	19.9
4 21	14 7.20	−10 23.7	1.620	2.624	1.2	19.6
5 1	13 57.50	− 9 33.7	1.627	2.625	4.0	19.8
5 11	13 48.68	− 8 49.6	1.661	2.624	8.4	20.1
5 21	13 41.60	− 8 16.4	1.720	2.624	12.3	20.3
5 31	13 36.85	− 7 57.2	1.801	2.622	15.7	20.5

431178 2006 SZ_{32} 4 23.4 237.°46 1.°0/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.52	−17 17.8	1.940	2.783	13.1	21.9
4 1	14 24.64	−16 59.9	1.847	2.770	9.8	21.7
4 11	14 16.63	−16 29.3	1.779	2.755	5.9	21.4
4 21	14 7.21	−15 48.0	1.737	2.740	1.8	21.1
5 1	13 57.37	−14 59.8	1.724	2.724	3.2	21.2
5 11	13 48.20	−14 10.6	1.739	2.708	7.5	21.4
5 21	13 40.60	−13 26.0	1.779	2.691	11.5	21.6
5 31	13 35.23	−12 51.0	1.842	2.674	15.0	21.8

87837 2000 SK_{186} 4 23.4 149.°51 3.°4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.61	− 4 36.1	2.026	2.893	11.7	19.6
4 1	14 22.87	− 3 52.3	1.962	2.898	8.4	19.4
4 11	14 15.41	− 3 7.0	1.924	2.903	5.1	19.2
4 21	14 6.94	− 2 24.9	1.913	2.908	3.4	19.1
5 1	13 58.35	− 1 50.9	1.931	2.913	5.4	19.2
5 11	13 50.52	− 1 28.9	1.975	2.917	8.7	19.4
5 21	13 44.15	− 1 21.3	2.044	2.921	11.9	19.6
5 31	13 39.73	− 1 28.8	2.135	2.925	14.6	19.8

167575 2004 BR_{62} 4 23.4 144.°39 0.°2/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.27	−13 44.8	2.237	3.088	11.3	21.1
4 1	14 21.85	−13 22.7	2.164	3.092	8.2	20.9
4 11	14 14.82	−12 52.8	2.116	3.097	4.7	20.7
4 21	14 6.83	−12 17.6	2.097	3.101	0.9	20.4
5 1	13 58.68	−11 40.9	2.106	3.105	3.0	20.6
5 11	13 51.20	−11 7.1	2.143	3.109	6.6	20.8
5 21	13 45.05	−10 39.9	2.207	3.112	9.9	21.0
5 31	13 40.71	−10 22.0	2.293	3.115	12.7	21.2

362700 2011 UF_{158} 4 23.4 116.°60 4.°1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.53	− 4 44.5	1.562	2.435	14.1	21.3
4 1	14 25.29	− 3 52.4	1.509	2.448	10.2	21.1
4 11	14 16.88	− 2 58.3	1.479	2.460	6.2	20.9
4 21	14 7.23	− 2 8.8	1.476	2.472	4.1	20.8
5 1	13 57.51	− 1 30.2	1.500	2.483	6.5	21.0
5 11	13 48.88	− 1 7.5	1.549	2.494	10.4	21.2
5 21	13 42.17	− 1 2.9	1.621	2.505	14.1	21.4
5 31	13 37.93	− 1 16.6	1.713	2.515	17.2	21.7

500927 2013 PG_{39} 4 23.4 260.°45 3.°1/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.87	− 7 26.8	1.845	2.714	12.5	22.4
4 1	14 22.72	− 6 23.4	1.757	2.695	9.0	22.2
4 11	14 15.54	− 5 13.0	1.694	2.676	5.4	21.9
4 21	14 7.00	− 4 1.3	1.658	2.657	3.1	21.7
5 1	13 58.08	− 2 55.1	1.650	2.637	5.7	21.8
5 11	13 49.80	− 2 1.1	1.669	2.616	9.6	22.0
5 21	13 43.04	− 1 23.9	1.712	2.595	13.5	22.2
5 31	13 38.44	− 1 5.9	1.774	2.574	16.8	22.4

123573 2000 XG_{37} 4 23.4 165.°06 5.°6/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.82	−29 21.8	2.104	2.895	14.1	19.3
4 1	14 25.54	−29 52.4	2.023	2.897	11.5	19.1
4 11	14 17.12	−30 4.8	1.964	2.900	8.6	19.0
4 21	14 7.31	−29 57.7	1.931	2.902	6.2	18.8
5 1	13 57.16	−29 31.9	1.924	2.904	5.7	18.8
5 11	13 47.78	−28 51.7	1.945	2.905	7.6	18.9
5 21	13 40.07	−28 3.2	1.992	2.906	10.3	19.1
5 31	13 34.67	−27 13.2	2.061	2.907	13.1	19.3

57551 2001 TE_{29} 4 23.4 51.°62 1.°6/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.70	−19 28.7	1.476	2.332	15.8	18.4
4 1	14 22.72	−18 57.2	1.422	2.349	11.7	18.2
4 11	14 15.48	−18 8.3	1.390	2.367	7.1	18.0
4 21	14 6.96	−17 5.9	1.382	2.384	2.5	17.8
5 1	13 58.38	−15 56.5	1.401	2.402	3.6	17.9
5 11	13 50.94	−14 48.4	1.446	2.421	8.1	18.2
5 21	13 45.49	−13 48.8	1.514	2.439	12.3	18.5
5 31	13 42.54	−13 3.1	1.603	2.458	15.8	18.7

146688 2001 VG_{48} 4 23.4 246.°88 0.°3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.01	−15 42.9	2.099	2.946	12.1	20.2
4 1	14 23.41	−15 16.5	2.003	2.928	8.9	19.9
4 11	14 15.88	−14 39.0	1.932	2.911	5.2	19.7
4 21	14 7.07	−13 52.8	1.889	2.892	1.2	19.4
5 1	13 57.88	−13 2.1	1.874	2.874	3.1	19.5
5 11	13 49.27	−12 12.1	1.887	2.854	7.2	19.7
5 21	13 42.07	−11 28.2	1.927	2.834	11.0	19.9
5 31	13 36.90	−10 54.6	1.988	2.813	14.3	20.0

241228 2007 TH_{146} 4 23.4 165.°36 0.°1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.23	−15 20.0	2.441	3.287	10.7	21.4
4 1	14 21.00	−14 47.2	2.365	3.290	7.8	21.2
4 11	14 14.31	−14 5.5	2.314	3.293	4.5	21.0
4 21	14 6.74	−13 17.7	2.292	3.296	0.9	20.7
5 1	13 59.03	−12 27.5	2.299	3.298	2.7	20.9
5 11	13 51.93	−11 39.6	2.335	3.300	6.1	21.1
5 21	13 46.04	−10 57.9	2.397	3.302	9.2	21.3
5 31	13 41.81	−10 25.6	2.483	3.303	11.9	21.5

385511 2004 FU_{124} 4 23.4 333.°56 3.°5/25.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.56	−20 29.5	1.571	2.423	15.2	19.9
4 1	14 22.33	−21 0.0	1.480	2.402	11.8	19.7
4 11	14 15.59	−21 16.5	1.411	2.381	7.8	19.4
4 21	14 7.06	−21 18.5	1.365	2.361	4.2	19.1
5 1	13 57.88	−21 7.5	1.345	2.343	4.5	19.1
5 11	13 49.37	−20 47.7	1.350	2.325	8.4	19.3
5 21	13 42.67	−20 25.2	1.377	2.309	12.8	19.5
5 31	13 38.63	−20 6.1	1.426	2.294	16.7	19.7

215994 2005 SJ_{166} 4 23.4 207°.55 2°.9/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.50	− 3 7.9	2.847	3.708	8.9	21.1
4 1	14 20.30	− 2 31.6	2.771	3.703	6.4	20.9
4 11	14 13.85	− 1 55.1	2.721	3.697	4.1	20.8
4 21	14 6.65	− 1 21.5	2.700	3.692	2.9	20.7
5 1	13 59.31	− 0 54.3	2.708	3.686	4.5	20.8
5 11	13 52.45	− 0 36.3	2.745	3.679	6.9	20.9
5 21	13 46.57	− 0 29.2	2.808	3.672	9.4	21.1
5 31	13 42.08	− 0 33.8	2.894	3.665	11.6	21.2

399133 2014 ES_{10} 4 23.4 75°.40 3°.2/25.9 17

3 22	14 31.76	−22 15.4	2.226	3.044	12.6	21.5
4 1	14 25.13	−22 44.7	2.163	3.064	9.6	21.3
4 11	14 16.71	−23 1.5	2.124	3.084	6.5	21.2
4 21	14 7.23	−23 5.6	2.113	3.104	3.7	21.0
5 1	13 57.61	−22 58.6	2.130	3.124	3.7	21.1
5 11	13 48.79	−22 44.0	2.176	3.144	6.3	21.3
5 21	13 41.51	−22 26.0	2.249	3.164	9.3	21.5
5 31	13 36.27	−22 9.1	2.345	3.183	12.0	21.7

110902 2001 UN_{120} 4 23.4 325°.15 1°.8/21.9 18

3 22	14 24.77	−12 15.4	1.481	2.358	14.5	19.1
4 1	14 20.79	−11 11.0	1.406	2.349	10.5	18.9
4 11	14 14.53	− 9 53.4	1.355	2.340	5.9	18.6
4 21	14 6.83	− 8 29.1	1.328	2.331	1.9	18.3
5 1	13 58.79	− 7 6.6	1.327	2.323	5.0	18.5
5 11	13 51.62	− 5 54.6	1.352	2.315	9.8	18.7
5 21	13 46.26	− 4 59.8	1.399	2.308	14.2	19.0
5 31	13 43.36	− 4 26.2	1.466	2.301	18.0	19.2

141371 2002 AJ_{49} 4 23.4 124°.80 0°.1/23.5 18

3 22	14 25.92	−14 56.8	2.751	3.593	9.7	21.2
4 1	14 20.58	−14 29.3	2.684	3.607	7.0	21.0
4 11	14 13.99	−13 54.4	2.643	3.621	4.0	20.9
4 21	14 6.68	−13 14.7	2.631	3.634	0.8	20.6
5 1	13 59.31	−12 33.4	2.648	3.648	2.4	20.8
5 11	13 52.52	−11 54.1	2.695	3.660	5.5	21.0
5 21	13 46.82	−11 20.0	2.770	3.673	8.2	21.2
5 31	13 42.60	−10 53.8	2.868	3.684	10.6	21.4

483504 2002 XN_{14} 4 23.4 160°.93 6°.4/19.2 17

3 22	14 41.59	+ 1 12.9	1.635	2.489	14.6	24.1
4 1	14 32.48	+ 2 23.3	1.579	2.503	11.0	23.9
4 11	14 20.96	+ 3 30.2	1.549	2.516	7.6	23.7
4 21	14 8.08	+ 4 25.5	1.546	2.526	6.5	23.7
5 1	13 55.15	+ 5 2.4	1.573	2.534	8.7	23.8
5 11	13 43.47	+ 5 16.9	1.626	2.540	12.1	24.0
5 21	13 33.99	+ 5 8.5	1.703	2.544	15.5	24.2
5 31	13 27.27	+ 4 39.2	1.799	2.546	18.4	24.5

8707 Arakihiroshi 4 23.4 268°.77 0°.1/23.4 18

3 22	14 29.39	−14 29.8	1.535	2.399	14.9	17.7
4 1	14 24.14	−14 6.0	1.459	2.393	10.9	17.4
4 11	14 16.47	−13 29.9	1.405	2.387	6.3	17.1
4 21	14 7.23	−12 44.9	1.377	2.381	1.2	16.8
5 1	13 57.61	−11 56.5	1.375	2.375	3.9	16.9
5 11	13 48.89	−11 11.6	1.399	2.369	8.9	17.2
5 21	13 42.08	−10 36.2	1.446	2.362	13.4	17.4
5 31	13 37.87	−10 14.8	1.514	2.356	17.2	17.7

483453 2002 AN_{11} 4 23.4 184°.56 11°.3/ 2.8 17

3 22	14 43.58	−43 30.4	1.715	2.424	19.8	22.3
4 1	14 35.07	−44 3.7	1.629	2.426	17.4	22.1
4 11	14 22.99	−44 3.1	1.560	2.427	14.9	21.9
4 21	14 8.55	−43 21.8	1.512	2.425	12.6	21.8
5 1	13 53.59	−41 58.4	1.488	2.423	11.4	21.7
5 11	13 40.11	−39 59.5	1.489	2.418	12.0	21.7
5 21	13 29.57	−37 38.2	1.515	2.412	14.1	21.8
5 31	13 22.79	−35 9.7	1.563	2.404	16.8	22.0

455942 2005 UC_{428} 4 23.4 277°.94 0°.6/23.8 16

3 22	14 32.61	−14 53.9	1.389	2.253	16.2	21.8
4 1	14 27.04	−14 51.6	1.296	2.230	12.1	21.4
4 11	14 18.47	−14 36.7	1.225	2.206	7.2	21.1
4 21	14 7.69	−14 10.8	1.179	2.183	1.7	20.7
5 1	13 56.05	−13 38.1	1.158	2.158	4.3	20.8
5 11	13 45.14	−13 5.4	1.162	2.134	10.0	21.0
5 21	13 36.35	−12 39.3	1.189	2.109	15.3	21.2
5 31	13 30.65	−12 25.9	1.235	2.085	19.8	21.4

296160 2009 BO_{123} 4 23.4 335°.17 2°.6/25.6 17

3 22	14 26.07	−21 8.8	1.889	2.729	13.5	20.1
4 1	14 21.44	−21 4.3	1.807	2.723	10.3	19.9
4 11	14 14.81	−20 44.8	1.748	2.718	6.7	19.7
4 21	14 6.90	−20 11.6	1.715	2.712	3.2	19.5
5 1	13 58.67	−19 28.1	1.708	2.707	3.5	19.5
5 11	13 51.17	−18 39.7	1.728	2.702	7.1	19.7
5 21	13 45.22	−17 52.5	1.774	2.698	10.8	19.9
5 31	13 41.44	−17 11.9	1.841	2.694	14.1	20.1

265556 2005 PX_9 4 23.4 212°.88 1°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.20	−11 34.0	2.086	2.942	11.8	21.8
4 1	14 23.43	−10 59.1	2.004	2.935	8.6	21.5
4 11	14 15.84	−10 16.4	1.946	2.928	4.8	21.3
4 21	14 7.10	− 9 29.5	1.917	2.920	1.3	21.0
5 1	13 58.09	− 8 43.1	1.916	2.912	3.7	21.2
5 11	13 49.75	− 8 2.2	1.944	2.903	7.6	21.4
5 21	13 42.83	− 7 31.0	1.997	2.894	11.2	21.6
5 31	13 37.90	− 7 12.2	2.072	2.884	14.3	21.8

380072 2013 SV_{29} 4 23.4 214°.30 1°.4/22.2 17

3 22	14 29.15	−10 16.6	2.182	3.038	11.4	21.8
4 1	14 23.33	− 9 46.1	2.099	3.031	8.2	21.6
4 11	14 15.76	− 9 9.4	2.042	3.024	4.6	21.4
4 21	14 7.09	− 8 29.9	2.013	3.016	1.5	21.1
5 1	13 58.16	− 7 51.9	2.012	3.007	3.8	21.3
5 11	13 49.85	− 7 19.8	2.040	2.998	7.5	21.5
5 21	13 42.91	− 6 57.2	2.094	2.988	10.9	21.7
5 31	13 37.86	− 6 46.4	2.170	2.978	13.9	21.8

345665 2006 UX_2 4 23.4 94°.72 1°.8/21.8 17

3 22	14 28.37	− 7 18.2	2.465	3.322	10.2	21.2
4 1	14 22.40	− 7 1.6	2.408	3.341	7.3	21.1
4 11	14 15.04	− 6 42.7	2.378	3.359	4.2	20.9
4 21	14 6.92	− 6 24.4	2.377	3.378	1.8	20.7
5 1	13 58.77	− 6 9.7	2.405	3.396	3.6	20.9
5 11	13 51.30	− 6 1.3	2.461	3.414	6.6	21.1
5 21	13 45.07	− 6 1.0	2.544	3.431	9.5	21.3
5 31	13 40.49	− 6 10.0	2.650	3.449	11.9	21.5

465921 2010 VT_{210} 4 23.4 200°.88 3°.1/25.9 17

3 22	14 30.37	−23 3.6	1.861	2.688	14.3	21.9
4 1	14 24.59	−22 53.9	1.778	2.685	11.0	21.7
4 11	14 16.63	−22 26.8	1.718	2.682	7.3	21.4
4 21	14 7.28	−21 43.2	1.684	2.679	3.8	21.2
5 1	13 57.61	−20 46.6	1.678	2.675	3.9	21.2
5 11	13 48.75	−19 43.5	1.698	2.671	7.4	21.4
5 21	13 41.62	−18 40.8	1.745	2.666	11.2	21.6
5 31	13 36.85	−17 45.2	1.814	2.661	14.6	21.8

139492 2001 PK_{26} 4 23.4 194°.80 5°.2/17.2 18

3 22	14 25.15	+ 3 31.9	2.647	3.509	9.4	20.4
4 1	14 20.11	+ 4 41.0	2.582	3.507	7.2	20.2
4 11	14 13.78	+ 5 46.7	2.544	3.504	5.5	20.1
4 21	14 6.68	+ 6 43.9	2.535	3.501	5.3	20.1
5 1	13 59.47	+ 7 28.4	2.554	3.498	6.7	20.2
5 11	13 52.78	+ 7 56.9	2.599	3.494	8.9	20.3
5 21	13 47.15	+ 8 8.4	2.668	3.489	11.1	20.4
5 31	13 42.99	+ 8 3.1	2.758	3.485	13.1	20.6

346070 2007 UN_{89} 4 23.4 168°.60 1°.1/24.6 17

3 22	14 25.56	−19 11.1	2.311	3.149	11.5	21.2
4 1	14 20.64	−18 30.7	2.232	3.150	8.5	21.0
4 11	14 14.17	−17 37.7	2.178	3.152	5.2	20.8
4 21	14 6.78	−16 34.7	2.151	3.153	1.7	20.6
5 1	13 59.23	−15 26.2	2.154	3.154	2.6	20.6
5 11	13 52.33	−14 17.9	2.185	3.155	6.1	20.9
5 21	13 46.71	−13 14.9	2.243	3.156	9.4	21.1
5 31	13 42.85	−12 21.6	2.324	3.156	12.3	21.3

346847 2009 DC_{115} 4 23.4 55°.85 1°.2/22.4 17

3 22	14 26.01	−11 31.5	1.934	2.798	12.2	21.2
4 1	14 21.08	−10 53.3	1.874	2.810	8.7	21.0
4 11	14 14.44	−10 7.9	1.839	2.822	4.9	20.8
4 21	14 6.83	− 9 19.4	1.831	2.834	1.3	20.6
5 1	13 59.12	− 8 32.8	1.850	2.847	3.8	20.8
5 11	13 52.21	− 7 53.2	1.897	2.859	7.6	21.0
5 21	13 46.78	− 7 24.3	1.968	2.872	11.0	21.2
5 31	13 43.30	− 7 8.6	2.061	2.884	13.9	21.5

15284 1991 RZ_{16} 4 23.4 140°.38 0°.8/22.8 18

3 22	14 33.12	−12 35.9	1.738	2.594	13.8	19.3
4 1	14 26.38	−12 4.3	1.676	2.607	10.0	19.0
4 11	14 17.53	−11 23.4	1.638	2.619	5.6	18.8
4 21	14 7.45	−10 37.4	1.626	2.630	1.2	18.5
5 1	13 57.25	− 9 51.5	1.643	2.641	3.9	18.7
5 11	13 48.06	− 9 11.6	1.688	2.651	8.3	19.0
5 21	13 40.71	− 8 42.1	1.758	2.660	12.2	19.3
5 31	13 35.76	− 8 26.0	1.849	2.668	15.4	19.5

497131 2004 PX_{80} 4 23.4 256°.23 1°.5/24.7 17

3 22	14 29.42	−18 22.9	2.021	2.861	12.8	21.6
4 1	14 23.85	−18 13.7	1.925	2.844	9.6	21.3
4 11	14 16.23	−17 52.0	1.853	2.827	5.9	21.1
4 21	14 7.23	−17 19.2	1.808	2.810	2.2	20.8
5 1	13 57.80	−16 38.5	1.792	2.792	3.1	20.8
5 11	13 48.96	−15 54.9	1.803	2.774	7.2	21.0
5 21	13 41.61	−15 14.0	1.840	2.755	11.0	21.2
5 31	13 36.41	−14 40.6	1.899	2.736	14.4	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
240129 2002 GY_{143}			4 23.4 262°.97		4°.2/20.2 18	
	h m	° ′			°	m
3 22	14 31.32	− 0 45.1	2.171	3.031	11.2	20.2
4 1	14 25.00	− 0 20.7	2.080	3.010	8.4	20.0
4 11	14 16.79	+ 0 2.0	2.015	2.988	5.5	19.7
4 21	14 7.33	+ 0 18.8	1.977	2.966	4.2	19.6
5 1	13 57.49	+ 0 25.6	1.968	2.943	6.0	19.7
5 11	13 48.19	+ 0 19.4	1.987	2.920	9.2	19.8
5 21	13 40.23	− 0 1.2	2.031	2.897	12.4	20.0
5 31	13 34.24	− 0 36.4	2.096	2.872	15.3	20.1
465328 2007 VE_{51}			4 23.4 84°.48		1°.1/24.2 16	
3 22	14 32.22	−16 17.7	1.490	2.347	15.6	21.9
4 1	14 26.10	−16 16.6	1.429	2.358	11.5	21.6
4 11	14 17.52	−16 2.6	1.391	2.369	6.8	21.4
4 21	14 7.46	−15 38.1	1.378	2.381	2.0	21.1
5 1	13 57.21	−15 7.3	1.391	2.392	3.7	21.3
5 11	13 48.08	−14 36.4	1.430	2.403	8.4	21.6
5 21	13 41.05	−14 11.0	1.494	2.414	12.7	21.8
5 31	13 36.72	−13 55.7	1.577	2.425	16.4	22.1
379583 2011 BY_{71}			4 23.4 307°.24		0°.1/23.4 17	
3 22	14 26.37	−15 11.1	1.638	2.502	14.1	20.9
4 1	14 21.85	−14 33.8	1.558	2.492	10.3	20.6
4 11	14 15.13	−13 43.0	1.501	2.483	5.9	20.3
4 21	14 7.01	−12 42.8	1.470	2.474	1.2	20.0
5 1	13 58.53	−11 39.0	1.465	2.465	3.7	20.1
5 11	13 50.85	−10 39.2	1.487	2.457	8.5	20.4
5 21	13 44.89	− 9 49.5	1.532	2.448	12.8	20.6
5 31	13 41.29	− 9 14.8	1.598	2.440	16.4	20.8
441922 2010 HK_{45}			4 23.4 245°.18		4°.3/28.3 16	
3 22	14 26.15	−29 49.1	2.600	3.385	11.9	21.6
4 1	14 21.13	−29 37.8	2.502	3.374	9.6	21.5
4 11	14 14.51	−29 9.3	2.427	3.364	7.1	21.3
4 21	14 6.86	−28 23.7	2.378	3.353	5.0	21.1
5 1	13 58.97	−27 23.2	2.357	3.342	4.4	21.1
5 11	13 51.65	−26 12.3	2.365	3.331	6.1	21.2
5 21	13 45.57	−24 56.8	2.400	3.319	8.6	21.3
5 31	13 41.24	−23 42.4	2.460	3.307	11.2	21.4
522391 2016 CX_{306}			4 23.4 359°.62		4°.9/26.6 17	
3 22	14 29.83	−24 29.6	1.380	2.221	17.6	20.9
4 1	14 24.85	−24 47.9	1.308	2.220	13.8	20.6
4 11	14 17.06	−24 44.5	1.257	2.219	9.5	20.4
4 21	14 7.41	−24 18.8	1.228	2.219	5.7	20.1
5 1	13 57.32	−23 33.8	1.224	2.219	5.4	20.1
5 11	13 48.31	−22 37.0	1.244	2.220	9.0	20.3
5 21	13 41.56	−21 37.4	1.288	2.221	13.3	20.6
5 31	13 37.82	−20 43.8	1.351	2.222	17.2	20.8
5303 Parijskij			4 23.4 16°.95		0°.5/23.1 18	
3 22	14 27.31	−12 49.4	1.969	2.828	12.3	17.0
4 1	14 22.13	−12 28.4	1.896	2.829	8.9	16.7
4 11	14 15.12	−11 59.3	1.847	2.829	5.0	16.5
4 21	14 6.99	−11 25.1	1.825	2.829	1.0	16.2
5 1	13 58.65	−10 50.2	1.831	2.830	3.4	16.4
5 11	13 51.04	−10 19.2	1.865	2.831	7.4	16.6
5 21	13 44.90	− 9 56.1	1.923	2.831	11.0	16.9
5 31	13 40.78	− 9 43.9	2.003	2.832	14.1	17.1
457573 2008 YN_{139}			4 23.4 201°.23		4°.7/19.8 17	
3 22	14 31.12	− 3 1.4	1.740	2.610	13.1	21.9
4 1	14 25.04	− 1 59.9	1.670	2.606	9.6	21.6
4 11	14 16.85	− 0 56.7	1.625	2.602	6.2	21.4
4 21	14 7.34	+ 0 1.4	1.607	2.598	4.7	21.3
5 1	13 57.59	+ 0 47.9	1.616	2.592	7.0	21.4
5 11	13 48.68	+ 1 17.4	1.651	2.586	10.6	21.6
5 21	13 41.48	+ 1 27.3	1.710	2.580	14.2	21.8
5 31	13 36.59	+ 1 17.5	1.788	2.572	17.2	22.0
5263 Arrius			4 23.4 33°.07		1°.4/25.0 18	R
3 22	14 24.11	−20 44.7	2.318	3.153	11.6	16.7
4 1	14 19.62	−19 58.1	2.238	3.154	8.6	16.5
4 11	14 13.60	−18 57.4	2.183	3.155	5.3	16.3
4 21	14 6.69	−17 45.5	2.155	3.155	2.1	16.1
5 1	13 59.63	−16 27.0	2.156	3.156	2.6	16.1
5 11	13 53.21	−15 8.0	2.185	3.157	6.0	16.4
5 21	13 48.05	−13 54.2	2.242	3.158	9.3	16.6
5 31	13 44.60	−12 50.2	2.322	3.159	12.1	16.8
5032 Conradhirsh			4 23.4 179°.96		2°.1/21.0 18	
3 22	14 24.87	− 8 23.5	2.462	3.324	10.0	17.9
4 1	14 20.01	− 7 24.8	2.390	3.325	7.2	17.7
4 11	14 13.77	− 6 21.4	2.344	3.325	4.1	17.5
4 21	14 6.72	− 5 17.4	2.326	3.325	2.1	17.4
5 1	13 59.53	− 4 17.7	2.338	3.325	4.1	17.5
5 11	13 52.92	− 3 26.8	2.378	3.325	7.2	17.7
5 21	13 47.45	− 2 47.9	2.444	3.324	10.0	17.9
5 31	13 43.55	− 2 22.9	2.532	3.323	12.5	18.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
384444 2010 AV_{30}			4 23.4 180°.61		5°.9/17.4 17	
	h m	° ′			°	m
3 22	14 27.66	+ 4 32.5	2.337	3.199	10.5	21.3
4 1	14 22.04	+ 5 35.8	2.276	3.200	8.1	21.2
4 11	14 14.93	+ 6 34.1	2.242	3.200	6.3	21.1
4 21	14 6.95	+ 7 22.1	2.235	3.200	6.0	21.0
5 1	13 58.85	+ 7 55.0	2.256	3.200	7.5	21.1
5 11	13 51.40	+ 8 10.0	2.303	3.199	9.8	21.3
5 21	13 45.20	+ 8 6.4	2.374	3.198	12.2	21.4
5 31	13 40.71	+ 7 45.1	2.464	3.196	14.4	21.6
374359 2005 UL_{200}			4 23.4 201°.52		0°.1/23.4 17	
3 22	14 27.92	−15 17.6	1.997	2.849	12.4	21.5
4 1	14 22.58	−14 37.7	1.918	2.847	9.1	21.3
4 11	14 15.39	−13 46.5	1.864	2.844	5.2	21.1
4 21	14 7.06	−12 47.3	1.836	2.840	1.0	20.7
5 1	13 58.50	−11 45.4	1.837	2.837	3.2	20.9
5 11	13 50.66	−10 46.8	1.866	2.833	7.3	21.1
5 21	13 44.31	− 9 56.7	1.921	2.828	11.0	21.4
5 31	13 39.99	− 9 19.1	1.998	2.824	14.2	21.6
87243 2000 OV_{45}			4 23.4 299°.25		5°.3/18.3 18	
3 22	14 24.81	− 4 46.1	1.602	2.485	13.3	19.0
4 1	14 20.84	− 2 54.9	1.512	2.456	9.8	18.7
4 11	14 14.66	− 0 54.0	1.447	2.427	6.4	18.4
4 21	14 6.95	+ 1 7.5	1.408	2.397	5.5	18.3
5 1	13 58.73	+ 2 58.3	1.396	2.368	8.4	18.4
5 11	13 51.15	+ 4 28.6	1.409	2.339	12.5	18.5
5 21	13 45.17	+ 5 32.0	1.443	2.309	16.5	18.7
5 31	13 41.53	+ 6 5.9	1.495	2.280	20.0	18.9
39517 1988 CV_{2}			4 23.5 144°.93		2°.8/21.2 18	
3 22	14 31.87	− 7 27.8	1.817	2.681	12.9	19.4
4 1	14 25.38	− 6 38.3	1.757	2.692	9.3	19.2
4 11	14 16.93	− 5 44.2	1.722	2.703	5.4	19.0
4 21	14 7.36	− 4 50.8	1.714	2.713	2.8	18.8
5 1	13 57.69	− 4 4.1	1.735	2.723	5.2	19.0
5 11	13 48.96	− 3 29.0	1.782	2.732	9.0	19.2
5 21	13 41.94	− 3 8.7	1.855	2.739	12.5	19.5
5 31	13 37.15	− 3 4.6	1.948	2.747	15.5	19.7
227461 2005 WF_{113}			4 23.5 280°.21		2°.9/20.8 18	
3 22	14 25.96	− 8 52.6	1.727	2.601	13.0	20.1
4 1	14 21.44	− 7 39.1	1.645	2.586	9.4	19.9
4 11	14 14.87	− 6 16.4	1.588	2.572	5.4	19.6
4 21	14 6.98	− 4 51.0	1.557	2.557	3.0	19.4
5 1	13 58.75	− 3 30.7	1.554	2.542	5.7	19.5
5 11	13 51.23	− 2 23.1	1.576	2.527	9.8	19.7
5 21	13 45.29	− 1 33.7	1.623	2.512	13.7	19.9
5 31	13 41.55	− 1 5.2	1.689	2.498	17.1	20.1
433045 2012 SR_{39}			4 23.5 292°.08		2°.6/21.1 17	
3 22	14 24.94	− 9 41.9	1.809	2.681	12.6	20.9
4 1	14 20.64	− 8 30.0	1.725	2.665	9.0	20.6
4 11	14 14.39	− 7 8.4	1.665	2.648	5.2	20.4
4 21	14 6.88	− 5 43.1	1.631	2.632	2.6	20.1
5 1	13 59.04	− 4 21.5	1.625	2.615	5.2	20.3
5 11	13 51.86	− 3 11.2	1.646	2.599	9.3	20.5
5 21	13 46.17	− 2 17.5	1.691	2.583	13.2	20.7
5 31	13 42.57	− 1 43.8	1.756	2.567	16.5	20.9
120040 Pagliarini			4 23.5 331°.55		1°.6/24.6 17	
3 22	14 23.56	−19 9.6	1.321	2.191	16.5	19.5
4 1	14 20.35	−18 39.9	1.239	2.174	12.4	19.2
4 11	14 14.54	−17 49.4	1.178	2.158	7.6	18.9
4 21	14 6.95	−16 41.2	1.140	2.142	2.6	18.5
5 1	13 58.84	−15 21.8	1.126	2.128	4.0	18.6
5 11	13 51.61	−14 1.2	1.136	2.115	9.3	18.8
5 21	13 46.40	−12 48.9	1.169	2.102	14.3	19.1
5 31	13 44.00	−11 52.9	1.220	2.091	18.7	19.3
500262 2012 KV_{49}			4 23.5 22°.16		2°.6/25.8 17	
3 22	14 24.73	−24 15.4	1.446	2.292	16.6	20.7
4 1	14 20.81	−23 11.9	1.378	2.297	12.7	20.5
4 11	14 14.56	−21 42.4	1.331	2.301	8.1	20.2
4 21	14 6.91	−19 51.3	1.308	2.307	3.7	19.9
5 1	13 59.10	−17 47.6	1.312	2.313	3.8	20.0
5 11	13 52.36	−15 43.0	1.342	2.319	8.2	20.2
5 21	13 47.59	−13 48.8	1.396	2.326	12.7	20.5
5 31	13 45.35	−12 13.2	1.471	2.334	16.5	20.8
443243 2014 DE_{132}			4 23.5 51°.09		2°.7/20.7 17	
3 22	14 24.18	− 7 24.0	2.096	2.967	11.2	21.3
4 1	14 19.68	− 6 21.5	2.034	2.973	8.0	21.1
4 11	14 13.64	− 5 14.7	1.998	2.980	4.7	20.9
4 21	14 6.71	− 4 8.8	1.989	2.987	2.7	20.8
5 1	13 59.68	− 3 9.5	2.008	2.994	4.8	20.9
5 11	13 53.34	− 2 21.7	2.054	3.001	8.1	21.1
5 21	13 48.31	− 1 48.4	2.125	3.008	11.2	21.3
5 31	13 45.04	− 1 31.4	2.217	3.016	13.9	21.5

417256 2005 YA_{238} 4 23.5 323°.20 11°.9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.88	+15 0.8	1.586	2.449	14.5	20.1
4 1	14 21.45	+16 48.5	1.535	2.438	12.7	19.9
4 11	14 14.88	+18 20.1	1.506	2.426	11.9	19.8
4 21	14 6.99	+19 25.4	1.500	2.416	12.5	19.8
5 1	13 58.85	+19 57.1	1.516	2.405	14.3	19.9
5 11	13 51.59	+19 52.4	1.552	2.395	16.6	20.0
5 21	13 46.08	+19 13.3	1.606	2.386	19.0	20.2
5 31	13 42.90	+18 4.3	1.674	2.377	21.1	20.3

6904 McGill 4 23.5 144°.42 2°.7/25.5 18

3 22	14 31.53	−21 1.6	1.851	2.683	14.1	18.5
4 1	14 25.36	−21 3.0	1.778	2.690	10.7	18.3
4 11	14 17.05	−20 49.6	1.728	2.696	6.9	18.1
4 21	14 7.42	−20 22.2	1.705	2.702	3.3	17.8
5 1	13 57.54	−19 44.1	1.709	2.708	3.6	17.9
5 11	13 48.54	−19 0.9	1.741	2.713	7.3	18.1
5 21	13 41.31	−18 18.5	1.798	2.717	11.0	18.3
5 31	13 36.42	−17 42.4	1.878	2.722	14.3	18.6

343743 Kjurkchieva 4 23.5 352°.90 0°.6/23.9 17

3 22	14 23.74	−17 33.4	1.439	2.308	15.4	20.1
4 1	14 20.14	−16 47.2	1.368	2.303	11.3	19.8
4 11	14 14.23	−15 43.1	1.318	2.299	6.7	19.5
4 21	14 6.87	−14 25.9	1.293	2.296	1.6	19.2
5 1	13 59.21	−13 2.9	1.293	2.294	3.8	19.3
5 11	13 52.49	−11 43.6	1.318	2.293	8.8	19.6
5 21	13 47.63	−10 35.9	1.366	2.292	13.3	19.9
5 31	13 45.26	− 9 45.6	1.435	2.292	17.2	20.1

203521 2002 AP_{183} 4 23.5 357°.39 5°.2/26.8 18

3 22	14 29.12	−25 15.6	1.285	2.129	18.4	19.7
4 1	14 24.51	−25 28.0	1.214	2.127	14.5	19.5
4 11	14 16.95	−25 16.2	1.163	2.126	10.1	19.2
4 21	14 7.44	−24 39.4	1.135	2.126	6.2	19.0
5 1	13 57.48	−23 41.4	1.130	2.125	5.7	19.0
5 11	13 48.66	−22 30.9	1.149	2.126	9.4	19.2
5 21	13 42.23	−21 18.3	1.190	2.126	13.9	19.4
5 31	13 38.94	−20 13.4	1.251	2.128	18.0	19.7

406465 2007 UO_{29} 4 23.5 101°.64 0°.7/22.9 18

3 22	14 31.54	−13 25.9	1.621	2.481	14.4	21.6
4 1	14 25.30	−12 47.9	1.567	2.500	10.4	21.4
4 11	14 16.94	−11 59.6	1.537	2.519	5.8	21.2
4 21	14 7.39	−11 5.5	1.533	2.537	1.2	20.9
5 1	13 57.81	−10 11.8	1.556	2.555	3.9	21.2
5 11	13 49.33	− 9 24.7	1.607	2.572	8.4	21.5
5 21	13 42.76	− 8 49.3	1.682	2.589	12.3	21.7
5 31	13 38.61	− 8 28.5	1.778	2.605	15.6	22.0

37860 1998 FP_4 4 23.5 133°.38 4°.1/18.9 18

3 22	14 25.64	− 6 16.5	1.891	2.765	12.0	19.1
4 1	14 20.87	− 4 22.2	1.830	2.770	8.6	18.9
4 11	14 14.37	− 2 22.2	1.794	2.774	5.4	18.7
4 21	14 6.88	− 0 24.7	1.787	2.778	4.2	18.7
5 1	13 59.28	+ 1 21.3	1.809	2.783	6.6	18.8
5 11	13 52.47	+ 2 48.7	1.857	2.787	10.0	19.0
5 21	13 47.12	+ 3 53.4	1.930	2.791	13.2	19.2
5 31	13 43.72	+ 4 34.0	2.022	2.794	15.9	19.4

464815 2004 RV_{257} 4 23.5 200°.62 2°.1/21.5 17

3 22	14 30.26	−10 11.0	2.012	2.869	12.1	22.0
4 1	14 24.24	− 9 4.8	1.932	2.865	8.7	21.8
4 11	14 16.35	− 7 50.1	1.878	2.859	5.0	21.6
4 21	14 7.30	− 6 32.2	1.852	2.853	2.1	21.4
5 1	13 58.00	− 5 17.4	1.855	2.846	4.6	21.5
5 11	13 49.44	− 4 12.3	1.887	2.837	8.5	21.7
5 21	13 42.37	− 3 21.6	1.944	2.828	12.1	21.9
5 31	13 37.35	− 2 48.1	2.023	2.818	15.1	22.1

26621 2000 GY_{57} 4 23.5 247°.30 0°.3/23.8 18

3 22	14 26.37	−16 6.7	2.492	3.334	10.6	19.2
4 1	14 21.26	−15 34.3	2.395	3.318	7.8	19.0
4 11	14 14.60	−14 51.8	2.324	3.302	4.6	18.7
4 21	14 6.95	−14 1.8	2.281	3.285	1.1	18.4
5 1	13 59.02	−13 7.9	2.268	3.267	2.6	18.5
5 11	13 51.58	−12 14.8	2.283	3.250	6.2	18.7
5 21	13 45.29	−11 26.9	2.325	3.231	9.4	18.9
5 31	13 40.66	−10 48.1	2.391	3.213	12.3	19.1

499944 2011 HP_{66} 4 23.5 336°.34 3°.9/20.8 17

3 22	14 28.87	− 3 35.3	1.703	2.577	13.1	20.9
4 1	14 23.49	− 3 10.0	1.634	2.573	9.6	20.6
4 11	14 16.01	− 2 44.6	1.588	2.568	5.9	20.4
4 21	14 7.24	− 2 23.8	1.569	2.564	3.9	20.3
5 1	13 58.19	− 2 12.4	1.576	2.561	6.0	20.4
5 11	13 49.97	− 2 14.3	1.609	2.557	9.8	20.6
5 21	13 43.42	− 2 31.0	1.665	2.554	13.5	20.8
5 31	13 39.14	− 3 2.9	1.741	2.552	16.6	21.0

8759 Porzana 4 23.5 268°.59 1°.8/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.34	−17 20.9	1.991	2.829	13.0	18.0
4 1	14 26.10	−17 41.5	1.893	2.811	9.8	17.8
4 11	14 17.62	−17 52.4	1.820	2.792	6.1	17.5
4 21	14 7.59	−17 53.9	1.773	2.774	2.4	17.2
5 1	13 57.00	−17 47.6	1.755	2.754	3.3	17.2
5 11	13 46.97	−17 36.9	1.765	2.735	7.4	17.5
5 21	13 38.47	−17 26.1	1.801	2.715	11.3	17.6
5 31	13 32.24	−17 19.6	1.859	2.695	14.7	17.8

208395 2001 SY_{175} 4 23.5 198°.98 3°.0/20.1 18

3 22	14 24.91	− 5 24.0	2.493	3.357	9.8	21.0
4 1	14 20.06	− 4 22.6	2.419	3.355	7.1	20.8
4 11	14 13.83	− 3 18.5	2.373	3.352	4.3	20.6
4 21	14 6.78	− 2 16.2	2.355	3.349	3.0	20.5
5 1	13 59.59	− 1 20.3	2.366	3.346	4.8	20.6
5 11	13 52.95	− 0 35.3	2.405	3.342	7.6	20.8
5 21	13 47.42	− 0 3.7	2.470	3.338	10.4	20.9
5 31	13 43.44	+ 0 13.1	2.556	3.334	12.8	21.1

498724 2008 TQ_{114} 4 23.5 201°.70 2°.1/21.6 17

3 22	14 28.07	− 8 1.1	2.127	2.989	11.4	21.9
4 1	14 22.56	− 7 27.8	2.052	2.987	8.2	21.7
4 11	14 15.35	− 6 50.3	2.003	2.985	4.7	21.5
4 21	14 7.10	− 6 12.4	1.981	2.982	2.1	21.3
5 1	13 58.64	− 5 38.4	1.988	2.979	4.3	21.4
5 11	13 50.85	− 5 12.6	2.023	2.976	7.8	21.7
5 21	13 44.42	− 4 58.0	2.082	2.972	11.1	21.8
5 31	13 39.88	− 4 56.2	2.164	2.968	14.0	22.0

250798 2005 TQ_{163} 4 23.5 330°.39 1°.1/24.5 17

3 22	14 24.64	−18 7.5	2.075	2.923	12.2	20.1
4 1	14 20.24	−17 43.8	1.993	2.916	9.1	19.9
4 11	14 14.10	−17 7.7	1.934	2.910	5.5	19.7
4 21	14 6.86	−16 21.6	1.902	2.904	1.8	19.4
5 1	13 59.37	−15 29.7	1.898	2.898	2.9	19.5
5 11	13 52.53	−14 37.2	1.921	2.893	6.7	19.7
5 21	13 47.05	−13 49.5	1.969	2.888	10.2	19.9
5 31	13 43.47	−13 10.9	2.040	2.883	13.4	20.1

80191 1999 VG_{38} 4 23.5 97°.10 0°.4/23.7 18

3 22	14 32.83	−14 58.5	1.298	2.165	16.9	19.6
4 1	14 26.85	−14 44.0	1.238	2.173	12.3	19.4
4 11	14 18.11	−14 16.0	1.200	2.182	7.2	19.1
4 21	14 7.68	−13 38.0	1.186	2.190	1.6	18.8
5 1	13 57.01	−12 55.7	1.198	2.198	4.2	19.0
5 11	13 47.60	−12 16.7	1.234	2.206	9.5	19.3
5 21	13 40.53	−11 47.4	1.293	2.214	14.3	19.6
5 31	13 36.45	−11 32.1	1.372	2.222	18.2	19.9

498199 2007 TZ_{342} 4 23.5 153°.78 2°.1/21.6 17

3 22	14 27.56	− 7 26.2	2.276	3.137	10.8	21.4
4 1	14 22.06	− 6 57.3	2.206	3.141	7.7	21.3
4 11	14 15.01	− 6 25.2	2.163	3.144	4.4	21.1
4 21	14 7.04	− 5 53.5	2.147	3.147	2.1	20.9
5 1	13 58.92	− 5 25.9	2.160	3.150	4.1	21.0
5 11	13 51.45	− 5 6.0	2.201	3.153	7.3	21.2
5 21	13 45.27	− 4 56.4	2.267	3.155	10.4	21.4
5 31	13 40.83	− 4 58.4	2.356	3.157	13.1	21.6

503166 2015 GD_{38} 4 23.5 90°.88 3°.0/20.9 17

3 22	14 27.64	− 5 23.0	1.993	2.862	11.7	21.1
4 1	14 22.30	− 4 48.1	1.927	2.864	8.5	20.9
4 11	14 15.21	− 4 11.2	1.885	2.866	5.1	20.7
4 21	14 7.09	− 3 36.6	1.871	2.868	3.0	20.6
5 1	13 58.79	− 3 9.1	1.884	2.870	5.1	20.7
5 11	13 51.23	− 2 52.4	1.925	2.873	8.5	20.9
5 21	13 45.12	− 2 49.0	1.989	2.875	11.8	21.1
5 31	13 40.95	− 2 59.6	2.075	2.877	14.6	21.3

130840 2000 UN_{51} 4 23.5 196°.03 0°.3/23.7 18

3 22	14 31.98	−15 20.5	1.995	2.840	12.8	20.8
4 1	14 25.58	−14 59.0	1.913	2.837	9.4	20.6
4 11	14 17.17	−14 26.8	1.855	2.833	5.5	20.3
4 21	14 7.49	−13 46.4	1.825	2.829	1.2	20.0
5 1	13 57.53	−13 2.1	1.824	2.824	3.2	20.2
5 11	13 48.30	−12 19.2	1.852	2.818	7.4	20.4
5 21	13 40.66	−11 42.5	1.905	2.811	11.2	20.6
5 31	13 35.19	−11 16.2	1.981	2.804	14.4	20.8

248284 2005 JS_{113} 4 23.5 243°.02 0°.8/22.7 17

3 22	14 25.78	−12 31.8	2.207	3.065	11.2	20.8
4 1	14 20.91	−11 52.3	2.127	3.059	8.1	20.6
4 11	14 14.43	−11 4.6	2.071	3.053	4.6	20.4
4 21	14 6.93	−10 12.3	2.043	3.047	1.1	20.1
5 1	13 59.23	− 9 19.9	2.044	3.041	3.3	20.3
5 11	13 52.13	− 8 32.5	2.073	3.035	7.0	20.5
5 21	13 46.31	− 7 54.3	2.127	3.029	10.4	20.7
5 31	13 42.28	− 7 28.1	2.204	3.022	13.3	20.9

492220 2013 TP_{12} 4 23.5 224°.62 1°.3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.54	− 9 59.1	2.173	3.027	11.5	22.5
4 1	14 24.43	− 9 38.4	2.086	3.017	8.3	22.3
4 11	14 16.48	− 9 12.1	2.025	3.006	4.7	22.0
4 21	14 7.36	− 8 43.2	1.991	2.994	1.4	21.8
5 1	13 57.92	− 8 15.6	1.987	2.982	3.7	21.9
5 11	13 49.09	− 7 53.3	2.012	2.970	7.5	22.1
5 21	13 41.64	− 7 39.6	2.062	2.956	11.0	22.3
5 31	13 36.13	− 7 36.9	2.134	2.943	14.0	22.5

480681 2015 PJ_{41} 4 23.5 135°.28 3°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 22.33	− 0 28.6	3.537	4.397	7.3	21.6
4 1	14 17.83	+ 0 8.5	3.475	4.405	5.4	21.5
4 11	14 12.43	+ 0 44.3	3.441	4.413	3.6	21.4
4 21	14 6.52	+ 1 15.8	3.436	4.420	3.0	21.3
5 1	14 0.54	+ 1 40.7	3.461	4.427	4.2	21.4
5 11	13 54.96	+ 1 56.8	3.514	4.434	6.0	21.5
5 21	13 50.15	+ 2 3.1	3.592	4.441	7.9	21.7
5 31	13 46.42	+ 1 59.1	3.694	4.448	9.6	21.8

377373 2004 RQ_{154} 4 23.5 173°.21 2°.8/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.36	−23 12.8	2.309	3.126	12.2	22.0
4 1	14 23.50	−23 3.3	2.227	3.129	9.4	21.8
4 11	14 15.90	−22 39.4	2.170	3.131	6.2	21.6
4 21	14 7.23	−22 2.2	2.139	3.133	3.4	21.5
5 1	13 58.36	−21 14.6	2.138	3.134	3.3	21.5
5 11	13 50.17	−20 21.3	2.165	3.135	6.2	21.6
5 21	13 43.39	−19 27.9	2.219	3.135	9.3	21.8
5 31	13 38.52	−18 39.2	2.296	3.135	12.2	22.0

374049 2004 PM_{4} 4 23.5 202°.04 2°.7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.90	−24 31.5	2.603	3.409	11.3	22.2
4 1	14 23.05	−24 10.3	2.510	3.404	8.8	22.1
4 11	14 15.61	−23 34.6	2.441	3.398	5.9	21.9
4 21	14 7.18	−22 45.3	2.399	3.391	3.3	21.7
5 1	13 58.53	−21 45.5	2.388	3.383	3.2	21.7
5 11	13 50.46	−20 39.7	2.406	3.375	5.7	21.8
5 21	13 43.63	−19 33.4	2.452	3.366	8.7	22.0
5 31	13 38.55	−18 31.6	2.522	3.356	11.4	22.1

123757 2001 AY_{37} 4 23.5 59°.18 1°.7/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.40	−17 4.1	1.643	2.491	14.9	19.0
4 1	14 26.65	−17 21.8	1.595	2.518	11.0	18.8
4 11	14 17.72	−17 27.6	1.570	2.545	6.6	18.6
4 21	14 7.58	−17 22.7	1.571	2.572	2.4	18.4
5 1	13 57.43	−17 10.3	1.599	2.599	3.4	18.5
5 11	13 48.43	−16 55.1	1.654	2.626	7.6	18.8
5 21	13 41.42	−16 41.7	1.734	2.653	11.4	19.1
5 31	13 36.92	−16 34.3	1.836	2.680	14.5	19.4

238053 2003 BQ_{56} 4 23.5 337°.83 5°.3/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.65	− 5 23.4	1.084	1.983	16.9	19.5
4 1	14 22.07	− 4 14.5	1.021	1.973	12.3	19.2
4 11	14 15.60	− 2 59.2	0.979	1.964	7.6	18.9
4 21	14 7.22	− 1 47.4	0.959	1.956	5.3	18.7
5 1	13 58.40	− 0 49.8	0.962	1.949	8.5	18.9
5 11	13 50.71	− 0 15.4	0.986	1.942	13.5	19.1
5 21	13 45.34	− 0 8.2	1.029	1.937	18.3	19.3
5 31	13 43.04	− 0 28.5	1.089	1.933	22.3	19.6

234343 2001 FM_{84} 4 23.5 151°.38 1°.9/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.83	− 9 28.1	2.064	2.928	11.6	21.1
4 1	14 21.68	− 8 41.1	1.995	2.931	8.3	20.9
4 11	14 14.85	− 7 48.1	1.951	2.934	4.7	20.7
4 21	14 7.03	− 6 53.6	1.935	2.937	1.9	20.5
5 1	13 59.05	− 6 2.7	1.947	2.940	4.2	20.7
5 11	13 51.78	− 5 20.5	1.987	2.942	7.8	20.9
5 21	13 45.91	− 4 50.5	2.052	2.944	11.2	21.1
5 31	13 41.91	− 4 34.7	2.138	2.946	14.0	21.3

349206 2007 RZ_{269} 4 23.5 295°.71 0°.9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.84	−14 20.7	1.854	2.717	12.8	21.2
4 1	14 20.64	−13 14.8	1.759	2.694	9.3	20.9
4 11	14 14.47	−11 54.6	1.688	2.671	5.3	20.6
4 21	14 6.98	−10 24.9	1.644	2.648	1.2	20.3
5 1	13 59.10	− 8 52.5	1.628	2.625	4.0	20.4
5 11	13 51.83	− 7 25.6	1.639	2.602	8.4	20.6
5 21	13 46.02	− 6 11.3	1.675	2.580	12.5	20.8
5 31	13 42.31	− 5 14.6	1.732	2.557	16.1	21.0

311601 2006 KD_{72} 4 23.5 350°.76 3°.0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.52	− 9 58.6	1.187	2.078	16.4	19.9
4 1	14 21.74	− 8 54.3	1.124	2.073	11.8	19.7
4 11	14 15.30	− 7 38.5	1.083	2.069	6.7	19.4
4 21	14 7.15	− 6 19.2	1.064	2.066	3.0	19.1
5 1	13 58.67	− 5 6.4	1.070	2.064	6.4	19.3
5 11	13 51.30	− 4 9.7	1.099	2.063	11.5	19.6
5 21	13 46.10	− 3 35.0	1.149	2.062	16.3	19.9
5 31	13 43.75	− 3 24.7	1.216	2.062	20.3	20.1

522547 2016 EP_{239} 4 23.5 309°.76 1°.8/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.98	−12 23.8	1.544	2.419	14.2	21.2
4 1	14 20.99	−11 17.9	1.463	2.404	10.3	20.9
4 11	14 14.75	− 9 58.6	1.405	2.390	5.8	20.6
4 21	14 7.04	− 8 31.7	1.372	2.375	1.8	20.3
5 1	13 58.95	− 7 5.6	1.366	2.361	4.9	20.5
5 11	13 51.65	− 5 49.3	1.385	2.348	9.7	20.7
5 21	13 46.08	− 4 49.8	1.427	2.335	14.1	20.9
5 31	13 42.91	− 4 11.1	1.489	2.322	17.9	21.1

352088 2006 XD_{11} 4 23.5 154°.23 3°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.47	− 3 50.9	2.377	3.240	10.3	21.0
4 1	14 21.95	− 3 25.8	2.308	3.242	7.5	20.8
4 11	14 14.94	− 3 0.5	2.265	3.244	4.6	20.6
4 21	14 7.05	− 2 38.3	2.250	3.246	3.0	20.5
5 1	13 59.02	− 2 22.8	2.264	3.247	4.7	20.6
5 11	13 51.60	− 2 16.9	2.306	3.249	7.6	20.8
5 21	13 45.40	− 2 22.0	2.373	3.250	10.4	21.0
5 31	13 40.88	− 2 39.0	2.463	3.251	12.9	21.2

32950 1996 CA_{1} 4 23.5 331°.72 2°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 36.08	−16 18.2	1.908	2.745	13.6	18.1
4 1	14 28.94	−17 25.9	1.816	2.733	10.3	17.8
4 11	14 19.34	−18 27.9	1.750	2.721	6.5	17.6
4 21	14 8.00	−19 22.1	1.711	2.710	3.0	17.3
5 1	13 56.01	−20 7.6	1.702	2.699	3.8	17.4
5 11	13 44.61	−20 45.5	1.721	2.689	7.7	17.6
5 21	13 34.88	−21 18.1	1.767	2.680	11.5	17.8
5 31	13 27.64	−21 49.2	1.835	2.671	14.9	18.0

393074 2013 AK_{91} 4 23.5 137°.08 4°.1/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.06	− 0 6.3	2.500	3.364	9.8	21.2
4 1	14 20.83	+ 0 35.4	2.438	3.369	7.3	21.0
4 11	14 14.26	+ 1 15.1	2.402	3.374	4.9	20.9
4 21	14 6.91	+ 1 48.7	2.394	3.378	4.1	20.8
5 1	13 59.46	+ 2 12.4	2.415	3.383	5.6	20.9
5 11	13 52.60	+ 2 23.6	2.463	3.387	8.1	21.1
5 21	13 46.89	+ 2 21.0	2.536	3.391	10.6	21.2
5 31	13 42.73	+ 2 4.7	2.630	3.395	12.8	21.4

62998 2000 WK_{18} 4 23.5 127°.60 3°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.32	− 3 21.0	2.534	3.397	9.7	18.9
4 1	14 21.01	− 2 47.4	2.471	3.404	7.1	18.7
4 11	14 14.35	− 2 13.8	2.433	3.411	4.4	18.6
4 21	14 6.93	− 1 43.7	2.424	3.417	3.1	18.5
5 1	13 59.41	− 1 20.6	2.444	3.424	4.7	18.6
5 11	13 52.48	− 1 7.5	2.492	3.430	7.4	18.8
5 21	13 46.69	− 1 5.7	2.566	3.436	10.0	19.0
5 31	13 42.45	− 1 16.1	2.661	3.442	12.3	19.1

214450 2005 SU_{47} 4 23.5 300°.97 2°.9/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.31	−21 25.3	2.145	2.974	12.6	19.9
4 1	14 23.04	−21 43.6	2.050	2.959	9.7	19.6
4 11	14 15.81	−21 49.7	1.979	2.944	6.5	19.4
4 21	14 7.27	−21 43.5	1.935	2.929	3.5	19.2
5 1	13 58.29	−21 26.7	1.918	2.915	3.6	19.2
5 11	13 49.87	−21 2.9	1.929	2.900	6.7	19.3
5 21	13 42.84	−20 36.7	1.966	2.886	10.2	19.5
5 31	13 37.85	−20 13.0	2.025	2.872	13.3	19.7

362049 2009 BK_{38} 4 23.5 342°.86 4°.8/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.11	− 5 52.4	1.024	1.927	17.2	19.7
4 1	14 21.12	− 5 3.4	0.959	1.913	12.6	19.4
4 11	14 15.15	− 4 8.4	0.915	1.901	7.7	19.0
4 21	14 7.17	− 3 16.1	0.891	1.890	4.8	18.8
5 1	13 58.65	− 2 36.4	0.890	1.881	8.0	19.0
5 11	13 51.24	− 2 17.5	0.910	1.873	13.3	19.2
5 21	13 46.21	− 2 23.5	0.948	1.867	18.3	19.5
5 31	13 44.36	− 2 54.8	1.002	1.863	22.6	19.7

293418 2007 EK_{105} 4 23.5 299°.73 1°.2/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 20.80	−19 23.4	4.173	4.996	7.1	20.1
4 1	14 16.77	−19 20.1	4.079	4.987	5.3	20.0
4 11	14 11.87	−19 10.5	4.012	4.979	3.3	19.8
4 21	14 6.44	−18 55.6	3.973	4.971	1.5	19.7
5 1	14 0.89	−18 36.8	3.964	4.963	1.7	19.7
5 11	13 55.62	−18 16.0	3.985	4.955	3.7	19.8
5 21	13 50.99	−17 55.3	4.035	4.947	5.6	20.0
5 31	13 47.31	−17 36.8	4.109	4.939	7.4	20.1

507077 2008 YX_{174} 4 23.5 164°.60 0°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.83	−14 37.4	2.237	3.087	11.4	22.2
4 1	14 21.63	−14 8.3	2.162	3.090	8.2	22.0
4 11	14 14.82	−13 30.2	2.112	3.092	4.7	21.8
4 21	14 7.05	−12 46.0	2.089	3.093	0.9	21.5
5 1	13 59.10	−11 59.9	2.095	3.095	2.9	21.7
5 11	13 51.80	−11 16.4	2.130	3.096	6.6	21.9
5 21	13 45.82	−10 39.8	2.190	3.097	9.9	22.1
5 31	13 41.63	−10 13.2	2.274	3.098	12.8	22.3

140735 2001 UH_{101} 4 23.5 49°.59 2°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.31	−10 19.1	1.940	2.810	12.0	19.5
4 1	14 19.89	− 9 8.6	1.881	2.820	8.5	19.3
4 11	14 13.83	− 7 50.8	1.846	2.830	4.8	19.1
4 21	14 6.84	− 6 31.4	1.839	2.841	2.1	18.9
5 1	13 59.76	− 5 16.9	1.860	2.851	4.5	19.1
5 11	13 53.45	− 4 13.6	1.908	2.862	8.1	19.4
5 21	13 48.56	− 3 25.4	1.980	2.873	11.5	19.6
5 31	13 45.53	− 2 54.5	2.074	2.884	14.3	19.8

456970 2008 AX_{108} 4 23.5 52°.06 3°.4/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.69	− 7 21.8	1.361	2.243	15.2	21.1
4 1	14 23.57	− 6 28.5	1.312	2.256	10.9	20.8
4 11	14 16.11	− 5 30.2	1.285	2.269	6.4	20.6
4 21	14 7.31	− 4 33.7	1.282	2.282	3.4	20.5
5 1	13 58.42	− 3 46.7	1.305	2.295	6.2	20.7
5 11	13 50.70	− 3 15.2	1.353	2.309	10.6	20.9
5 21	13 45.02	− 3 2.4	1.422	2.323	14.6	21.2
5 31	13 41.92	− 3 9.1	1.511	2.337	18.0	21.5

496310 2013 GX_{43} 4 23.5 38°.37 0°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.73	−11 1.8	1.025	1.909	18.9	20.0
4 1	14 28.53	−11 31.7	0.983	1.927	13.7	19.8
4 11	14 19.14	−11 53.6	0.962	1.946	7.8	19.5
4 21	14 7.93	−12 9.5	0.962	1.967	1.5	19.2
5 1	13 56.65	−12 22.7	0.987	1.988	4.7	19.5
5 11	13 47.06	−12 37.9	1.034	2.010	10.5	19.9
5 21	13 40.30	−12 58.8	1.103	2.032	15.4	20.2
5 31	13 36.96	−13 28.2	1.190	2.055	19.5	20.5

334847 2003 US_{31} 4 23.5 206°.65 0°.4/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.41	−13 28.3	2.463	3.310	10.5	22.2
4 1	14 21.97	−12 55.4	2.378	3.305	7.6	22.0
4 11	14 15.00	−12 14.6	2.319	3.299	4.3	21.8
4 21	14 7.09	−11 28.8	2.289	3.293	0.9	21.5
5 1	13 58.98	−10 41.7	2.288	3.286	2.9	21.7
5 11	13 51.42	− 9 57.9	2.316	3.279	6.4	21.9
5 21	13 45.06	− 9 21.0	2.371	3.271	9.6	22.1
5 31	13 40.36	− 8 54.0	2.449	3.262	12.3	22.2

67911 2000 WN_{100} 4 23.5 213°.38 1°.2/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.50	−11 23.3	2.007	2.861	12.3	20.3
4 1	14 25.25	−10 50.2	1.923	2.853	8.9	20.1
4 11	14 17.02	−10 9.2	1.863	2.844	5.1	19.8
4 21	14 7.52	− 9 23.8	1.830	2.834	1.3	19.6
5 1	13 57.69	− 8 38.7	1.827	2.823	3.9	19.7
5 11	13 48.55	− 7 59.3	1.852	2.812	7.9	19.9
5 21	13 40.93	− 7 29.7	1.903	2.799	11.7	20.1
5 31	13 35.43	− 7 13.0	1.976	2.786	14.9	20.3

124967 2001 TP_{105} 4 23.5 143°.96 1°.8/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.47	− 7 33.1	2.052	2.907	12.0	20.0
4 1	14 26.46	− 7 29.0	1.984	2.915	8.7	19.8
4 11	14 17.59	− 7 22.2	1.943	2.923	5.0	19.6
4 21	14 7.61	− 7 15.5	1.929	2.931	1.9	19.4
5 1	13 57.48	− 7 11.9	1.945	2.938	4.0	19.6
5 11	13 48.15	− 7 14.4	1.989	2.945	7.7	19.8
5 21	13 40.38	− 7 25.0	2.059	2.951	11.1	20.0
5 31	13 34.72	− 7 45.1	2.152	2.957	14.0	20.2

502259 2015 BN_{119} 4 23.5 94°.12 3°.5/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.46	− 5 3.2	1.868	2.739	12.3	21.2
4 1	14 22.89	− 4 15.1	1.814	2.751	8.9	21.0
4 11	14 15.54	− 3 25.2	1.784	2.764	5.4	20.8
4 21	14 7.19	− 2 38.8	1.781	2.776	3.5	20.7
5 1	13 58.77	− 2 1.1	1.805	2.789	5.6	20.9
5 11	13 51.21	− 1 36.6	1.856	2.801	9.0	21.1
5 21	13 45.21	− 1 27.3	1.932	2.813	12.3	21.3
5 31	13 41.26	− 1 33.9	2.027	2.825	15.0	21.5

182479 2001 SJ_{130} 4 23.5 152°.07 0°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.32	−14 29.7	2.463	3.310	10.5	20.9
4 1	14 21.12	−13 59.8	2.389	3.315	7.6	20.7
4 11	14 14.48	−13 21.9	2.341	3.320	4.4	20.5
4 21	14 6.98	−12 38.7	2.320	3.324	0.9	20.3
5 1	13 59.35	−11 53.8	2.329	3.329	2.7	20.4
5 11	13 52.33	−11 11.6	2.367	3.333	6.1	20.7
5 21	13 46.49	−10 35.6	2.432	3.336	9.2	20.9
5 31	13 42.29	−10 8.8	2.520	3.339	11.8	21.0

473259 2015 MD_{26} 4 23.5 258°.79 3°.3/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.48	−25 2.8	2.320	3.134	12.2	20.9
4 1	14 21.54	−24 51.2	2.227	3.124	9.6	20.7
4 11	14 14.86	−24 23.9	2.157	3.114	6.6	20.5
4 21	14 7.08	−23 41.6	2.114	3.104	3.9	20.3
5 1	13 59.02	−22 47.0	2.099	3.094	3.6	20.3
5 11	13 51.54	−21 45.0	2.112	3.083	6.2	20.5
5 21	13 45.39	−20 41.5	2.151	3.073	9.4	20.6
5 31	13 41.11	−19 42.0	2.215	3.062	12.3	20.8

368636 2004 YU_{14} 4 23.5 118°.26 1°.3/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.79	−10 18.7	2.308	3.162	10.9	22.0
4 1	14 22.85	− 9 45.3	2.249	3.180	7.8	21.8
4 11	14 15.42	− 9 6.7	2.216	3.197	4.4	21.6
4 21	14 7.17	− 8 26.4	2.211	3.214	1.4	21.4
5 1	13 58.87	− 7 48.4	2.236	3.230	3.5	21.6
5 11	13 51.30	− 7 16.6	2.289	3.246	6.8	21.9
5 21	13 45.05	− 6 53.9	2.368	3.261	9.9	22.1
5 31	13 40.57	− 6 42.2	2.471	3.276	12.4	22.3

186013 2001 QN_{122} 4 23.5 200°.96 2°.0/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.20	−18 52.3	1.856	2.696	13.8	20.5
4 1	14 25.22	−18 55.4	1.776	2.694	10.4	20.3
4 11	14 17.08	−18 45.6	1.720	2.692	6.5	20.0
4 21	14 7.54	−18 24.0	1.690	2.690	2.7	19.8
5 1	13 57.67	−17 53.6	1.688	2.687	3.4	19.8
5 11	13 48.57	−17 19.5	1.713	2.684	7.4	20.0
5 21	13 41.18	−16 47.0	1.763	2.681	11.2	20.3
5 31	13 36.11	−16 21.2	1.836	2.678	14.6	20.5

403220 2008 UN_{125} 4 23.5 142°.09 3°.9/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.78	−24 58.7	1.578	2.406	16.4	21.8
4 1	14 25.90	−24 43.6	1.507	2.413	12.7	21.6
4 11	14 17.53	−24 6.3	1.458	2.420	8.6	21.3
4 21	14 7.63	−23 8.1	1.433	2.426	4.8	21.1
5 1	13 57.50	−21 53.8	1.435	2.432	4.5	21.1
5 11	13 48.45	−20 31.8	1.463	2.437	8.1	21.3
5 21	13 41.49	−19 11.3	1.516	2.442	12.2	21.6
5 31	13 37.23	−18 0.3	1.591	2.447	15.8	21.8

34796 2001 SW_{35} 4 23.5 125°.85 0°.3/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.21	−12 59.2	2.458	3.307	10.5	19.7
4 1	14 21.73	−12 37.5	2.390	3.317	7.6	19.5
4 11	14 14.81	−12 9.2	2.347	3.327	4.3	19.3
4 21	14 7.06	−11 36.9	2.333	3.337	0.8	19.1
5 1	13 59.20	−11 3.9	2.348	3.346	2.8	19.3
5 11	13 51.97	−10 34.1	2.392	3.355	6.1	19.5
5 21	13 45.95	−10 10.5	2.462	3.364	9.2	19.7
5 31	13 41.58	− 9 55.5	2.555	3.372	11.7	19.9

149439 2003 BW_{81} 4 23.5 348°.80 9°.2/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.01	−27 45.1	1.171	2.014	19.9	18.1
4 1	14 24.36	−29 21.4	1.096	2.001	16.5	17.8
4 11	14 17.29	−30 37.1	1.040	1.989	12.8	17.5
4 21	14 7.69	−31 25.8	1.004	1.979	9.9	17.3
5 1	13 57.11	−31 44.3	0.990	1.971	9.4	17.3
5 11	13 47.51	−31 35.7	0.997	1.965	11.9	17.4
5 21	13 40.51	−31 8.2	1.025	1.961	15.6	17.6
5 31	13 37.20	−30 32.7	1.070	1.958	19.4	17.8

346243 2008 CO_{19} 4 23.5 72°.69 3°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.58	− 3 49.6	2.177	3.044	11.0	20.8
4 1	14 22.05	− 3 19.5	2.123	3.058	7.9	20.6
4 11	14 15.00	− 2 49.3	2.094	3.073	4.9	20.5
4 21	14 7.10	− 2 22.9	2.093	3.088	3.2	20.4
5 1	13 59.15	− 2 4.3	2.120	3.103	5.0	20.5
5 11	13 51.93	− 1 56.2	2.175	3.118	8.0	20.7
5 21	13 46.07	− 2 0.2	2.254	3.133	10.9	20.9
5 31	13 41.98	− 2 16.8	2.355	3.147	13.3	21.1

157667 2005 YZ_{61} 4 23.5 239°.03 4°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.87	− 1 22.9	1.955	2.824	11.9	20.1
4 1	14 23.31	− 0 35.3	1.882	2.816	8.8	19.9
4 11	14 15.89	+ 0 11.7	1.833	2.808	5.8	19.7
4 21	14 7.31	+ 0 52.8	1.811	2.799	4.6	19.6
5 1	13 58.46	+ 1 22.6	1.817	2.791	6.6	19.7
5 11	13 50.32	+ 1 37.0	1.849	2.782	9.8	19.9
5 21	13 43.64	+ 1 34.2	1.905	2.772	13.0	20.1
5 31	13 39.00	+ 1 14.0	1.981	2.763	15.9	20.3

140976 2001 VS_{121} 4 23.5 102°.87 5°.0/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.24	+ 2 41.2	2.347	3.210	10.4	19.7
4 1	14 21.72	+ 3 26.2	2.295	3.222	7.8	19.6
4 11	14 14.78	+ 4 6.7	2.269	3.234	5.7	19.5
4 21	14 7.06	+ 4 38.3	2.270	3.246	5.1	19.5
5 1	13 59.29	+ 4 57.1	2.300	3.257	6.6	19.6
5 11	13 52.21	+ 5 0.9	2.356	3.268	8.9	19.7
5 21	13 46.38	+ 4 49.0	2.436	3.279	11.4	19.9
5 31	13 42.21	+ 4 22.2	2.537	3.290	13.5	20.1

479704 2014 DB_{117} 4 23.5 63°.15 1°.8/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.16	−18 17.2	2.161	2.999	12.2	21.3
4 1	14 23.42	−18 29.4	2.088	3.005	9.1	21.1
4 11	14 15.91	−18 31.4	2.040	3.012	5.7	20.9
4 21	14 7.31	−18 24.1	2.018	3.018	2.4	20.7
5 1	13 58.50	−18 9.8	2.026	3.025	3.0	20.7
5 11	13 50.38	−17 52.0	2.061	3.032	6.4	21.0
5 21	13 43.70	−17 34.9	2.122	3.039	9.7	21.2
5 31	13 38.98	−17 22.1	2.206	3.045	12.6	21.4

434612 2005 UF_{398} 4 23.5 263°.02 5°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.84	+ 4 40.1	2.600	3.457	9.7	21.3
4 1	14 22.24	+ 5 20.2	2.515	3.437	7.6	21.1
4 11	14 15.17	+ 5 55.8	2.457	3.416	5.8	21.0
4 21	14 7.16	+ 6 22.4	2.427	3.395	5.4	20.9
5 1	13 58.91	+ 6 36.3	2.425	3.374	6.8	21.0
5 11	13 51.12	+ 6 35.0	2.450	3.352	9.1	21.1
5 21	13 44.42	+ 6 17.6	2.500	3.331	11.5	21.2
5 31	13 39.29	+ 5 44.6	2.570	3.308	13.7	21.3

462140 2007 SU_{22} 4 23.5 160°.53 3°.1/25.6 16

3 22	14 33.53	−21 30.4	1.735	2.566	15.0	22.4
4 1	14 27.04	−21 40.8	1.660	2.571	11.4	22.2
4 11	14 18.16	−21 35.4	1.609	2.575	7.5	21.9
4 21	14 7.78	−21 14.5	1.583	2.579	3.8	21.7
5 1	13 57.08	−20 41.0	1.584	2.582	4.0	21.7
5 11	13 47.31	−20 0.5	1.613	2.585	7.7	22.0
5 21	13 39.46	−19 19.5	1.667	2.587	11.7	22.2
5 31	13 34.18	−18 44.2	1.743	2.589	15.1	22.4

148382 2000 SR_{318} 4 23.5 165°.87 5°.2/29.9 18

3 22	14 27.86	−34 13.5	2.948	3.698	11.4	19.9
4 1	14 22.25	−34 17.1	2.861	3.702	9.5	19.8
4 11	14 15.15	−34 3.8	2.796	3.706	7.5	19.6
4 21	14 7.15	−33 33.3	2.757	3.709	5.8	19.5
5 1	13 58.98	−32 46.9	2.746	3.712	5.2	19.5
5 11	13 51.40	−31 48.3	2.764	3.715	6.1	19.5
5 21	13 45.03	−30 42.2	2.808	3.717	7.9	19.7
5 31	13 40.32	−29 34.1	2.878	3.718	9.9	19.8

78394 Garossino 4 23.5 148°.74 3°.3/20.8 18

3 22	14 29.42	− 6 35.1	1.763	2.633	13.0	20.1
4 1	14 23.76	− 5 39.2	1.700	2.638	9.3	19.9
4 11	14 16.14	− 4 39.1	1.662	2.644	5.5	19.7
4 21	14 7.36	− 3 40.6	1.651	2.648	3.3	19.5
5 1	13 58.42	− 2 50.0	1.667	2.653	5.6	19.7
5 11	13 50.36	− 2 12.7	1.709	2.657	9.4	19.9
5 21	13 43.96	− 1 52.0	1.776	2.661	13.0	20.1
5 31	13 39.76	− 1 48.9	1.863	2.664	16.0	20.3

288435 2004 EE_{31} 4 23.5 116°.11 11°.3/13.5 18

3 22	14 30.25	+ 3 3.7	1.097	1.989	17.3	20.1
4 1	14 25.02	+ 6 38.1	1.064	2.002	13.6	19.9
4 11	14 17.04	+10 5.2	1.054	2.014	11.4	19.8
4 21	14 7.53	+13 4.7	1.070	2.025	12.2	19.9
5 1	13 58.02	+15 20.6	1.109	2.036	15.1	20.1
5 11	13 49.95	+16 45.9	1.168	2.047	18.5	20.3
5 21	13 44.31	+17 22.4	1.244	2.057	21.8	20.6
5 31	13 41.63	+17 16.9	1.334	2.066	24.4	20.8

426957 2013 YB_{28} 4 23.5 153°.56 3°.8/20.0 18

3 22	14 27.01	− 3 4.5	2.152	3.020	11.0	21.0
4 1	14 21.75	− 2 16.9	2.087	3.023	8.0	20.8
4 11	14 14.89	− 1 28.8	2.048	3.025	5.1	20.6
4 21	14 7.10	− 0 45.1	2.036	3.027	3.8	20.5
5 1	13 59.17	− 0 10.5	2.052	3.029	5.6	20.6
5 11	13 51.92	+ 0 11.3	2.095	3.031	8.6	20.8
5 21	13 46.00	+ 0 18.3	2.163	3.033	11.6	21.0
5 31	13 41.87	+ 0 10.0	2.252	3.035	14.1	21.2

258243 2001 TC_{143} 4 23.5 108°.15 2°.0/21.9 18

3 22	14 30.46	− 8 51.6	1.872	2.735	12.7	20.9
4 1	14 24.35	− 8 18.2	1.815	2.750	9.1	20.7
4 11	14 16.41	− 7 39.8	1.783	2.766	5.1	20.5
4 21	14 7.42	− 7 0.9	1.779	2.780	2.0	20.3
5 1	13 58.36	− 6 26.1	1.802	2.795	4.4	20.5
5 11	13 50.21	− 6 0.1	1.853	2.809	8.2	20.8
5 21	13 43.69	− 5 45.7	1.928	2.823	11.6	21.0
5 31	13 39.28	− 5 44.7	2.025	2.836	14.6	21.2

90418 2003 YJ_{137} 4 23.5 266°.91 1°.4/22.3 17

3 22	14 26.98	−10 17.7	2.073	2.935	11.6	20.2
4 1	14 21.91	− 9 47.6	1.994	2.929	8.4	20.0
4 11	14 15.09	− 9 11.4	1.940	2.923	4.7	19.8
4 21	14 7.19	− 8 32.5	1.914	2.917	1.5	19.5
5 1	13 59.04	− 7 55.4	1.916	2.911	3.8	19.7
5 11	13 51.53	− 7 24.5	1.945	2.905	7.6	19.9
5 21	13 45.39	− 7 3.5	1.999	2.899	11.1	20.1
5 31	13 41.15	− 6 54.8	2.075	2.893	14.1	20.3

437056 2012 UY_{39} 4 23.5 138°.80 1°.5/25.0 17

3 22	14 26.19	−20 5.1	2.299	3.133	11.7	21.6
4 1	14 21.18	−19 33.7	2.223	3.138	8.7	21.4
4 11	14 14.60	−18 49.4	2.171	3.142	5.4	21.2
4 21	14 7.07	−17 54.6	2.146	3.147	2.1	21.0
5 1	13 59.41	−16 53.4	2.151	3.151	2.7	21.0
5 11	13 52.40	−15 51.0	2.184	3.155	6.0	21.3
5 21	13 46.70	−14 52.7	2.243	3.159	9.3	21.5
5 31	13 42.78	−14 2.8	2.326	3.162	12.1	21.7

367081 2006 QT_6 4 23.5 215°.22 3°.2/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.60	− 5 53.8	2.079	2.942	11.6	21.8
4 1	14 23.79	− 4 55.0	1.999	2.934	8.4	21.6
4 11	14 16.17	− 3 52.1	1.945	2.924	5.1	21.4
4 21	14 7.41	− 2 50.2	1.918	2.914	3.2	21.3
5 1	13 58.39	− 1 55.0	1.921	2.903	5.4	21.4
5 11	13 50.02	− 1 11.9	1.951	2.892	8.9	21.6
5 21	13 43.06	− 0 44.1	2.006	2.879	12.2	21.7
5 31	13 38.05	− 0 33.4	2.082	2.866	15.1	21.9

19290 Schroeder 4 23.5 270°.68 10°.8/16.8 18

3 22	14 38.29	+13 34.5	1.620	2.465	15.2	17.9
4 1	14 30.72	+14 22.0	1.542	2.442	12.8	17.7
4 11	14 20.43	+14 53.4	1.486	2.419	11.1	17.6
4 21	14 8.31	+14 59.9	1.455	2.395	11.0	17.5
5 1	13 55.66	+14 35.0	1.449	2.370	12.7	17.5
5 11	13 43.90	+13 37.0	1.467	2.345	15.5	17.6
5 21	13 34.16	+12 8.9	1.507	2.320	18.5	17.8
5 31	13 27.22	+10 16.1	1.564	2.294	21.4	17.9

465114 2006 VA_{108} 4 23.5 245°.75 0°.8/24.1 17

3 22	14 30.31	−16 41.8	1.870	2.717	13.4	21.9
4 1	14 24.66	−16 23.4	1.779	2.703	9.9	21.7
4 11	14 16.84	−15 52.6	1.712	2.689	5.9	21.4
4 21	14 7.58	−15 11.4	1.671	2.674	1.7	21.1
5 1	13 57.87	−14 24.0	1.658	2.659	3.3	21.1
5 11	13 48.84	−13 36.1	1.673	2.643	7.7	21.4
5 21	13 41.41	−12 53.6	1.713	2.627	11.8	21.6
5 31	13 36.26	−12 21.4	1.775	2.610	15.4	21.8

381515 2008 SH_{178} 4 23.5 110°.07 1°.0/22.5 17

3 22	14 27.30	−12 3.2	2.060	2.919	11.8	21.7
4 1	14 22.02	−11 21.1	1.996	2.929	8.5	21.5
4 11	14 15.08	−10 31.5	1.957	2.939	4.8	21.3
4 21	14 7.18	− 9 38.1	1.946	2.949	1.2	21.1
5 1	13 59.18	− 8 46.1	1.963	2.959	3.6	21.3
5 11	13 51.93	− 8 0.6	2.007	2.969	7.3	21.5
5 21	13 46.10	− 7 25.3	2.077	2.978	10.7	21.7
5 31	13 42.17	− 7 3.0	2.170	2.987	13.5	21.9

372558 2009 UG_5 4 23.5 129°.88 3°.3/20.5 17

3 22	14 29.07	− 4 39.5	2.120	2.984	11.3	21.9
4 1	14 23.18	− 3 49.3	2.063	2.997	8.2	21.7
4 11	14 15.69	− 2 57.6	2.031	3.010	5.0	21.6
4 21	14 7.30	− 2 9.3	2.028	3.022	3.3	21.5
5 1	13 58.85	− 1 29.3	2.053	3.034	5.3	21.6
5 11	13 51.16	− 1 1.5	2.106	3.045	8.4	21.8
5 21	13 44.89	− 0 47.9	2.183	3.056	11.4	22.0
5 31	13 40.49	− 0 49.4	2.282	3.066	14.0	22.2

57191 2001 QY_{31} 4 23.5 191°.75 1°.0/22.5 18

3 22	14 27.81	−10 0.3	2.865	3.713	9.2	19.6
4 1	14 22.07	− 9 43.3	2.783	3.711	6.6	19.5
4 11	14 15.02	− 9 22.4	2.729	3.709	3.7	19.3
4 21	14 7.18	− 8 59.8	2.703	3.706	1.1	19.1
5 1	13 59.17	− 8 38.1	2.708	3.703	2.9	19.2
5 11	13 51.64	− 8 20.2	2.742	3.699	5.8	19.4
5 21	13 45.14	− 8 8.5	2.804	3.695	8.6	19.6
5 31	13 40.09	− 8 4.8	2.889	3.690	10.9	19.7

64620 2001 XJ_{29} 4 23.5 195°.31 0°.8/22.7 18

3 22	14 28.43	−12 45.9	2.383	3.232	10.8	20.1
4 1	14 22.75	−12 4.2	2.301	3.229	7.8	19.9
4 11	14 15.49	−11 14.5	2.245	3.226	4.4	19.7
4 21	14 7.28	−10 20.1	2.218	3.221	1.0	19.4
5 1	13 58.87	− 9 25.5	2.220	3.217	3.2	19.6
5 11	13 51.06	− 8 35.3	2.251	3.211	6.7	19.8
5 21	13 44.49	− 7 53.6	2.309	3.205	9.9	20.0
5 31	13 39.67	− 7 23.4	2.390	3.198	12.7	20.2

15973 1998 FM_{85} 4 23.5 71°.66 5°.1/18.2 18 R

3 22	14 24.98	+ 0 34.6	2.138	3.010	10.9	18.1
4 1	14 20.28	+ 1 45.2	2.081	3.015	8.1	18.0
4 11	14 14.07	+ 2 53.6	2.051	3.020	5.8	17.8
4 21	14 6.99	+ 3 53.8	2.047	3.026	5.2	17.8
5 1	13 59.80	+ 4 40.6	2.071	3.031	7.0	17.9
5 11	13 53.29	+ 5 10.2	2.120	3.036	9.6	18.1
5 21	13 48.07	+ 5 21.1	2.193	3.042	12.3	18.3
5 31	13 44.58	+ 5 13.6	2.286	3.047	14.6	18.4

320647 2008 CO_{126} 4 23.5 318°.80 4°.0/20.4 17

3 22	14 26.85	− 6 30.9	1.464	2.346	14.3	20.5
4 1	14 22.36	− 5 23.3	1.396	2.340	10.4	20.2
4 11	14 15.57	− 4 9.5	1.351	2.334	6.3	20.0
4 21	14 7.32	− 2 57.0	1.331	2.328	4.0	19.8
5 1	13 58.77	− 1 54.2	1.337	2.323	6.7	20.0
5 11	13 51.13	− 1 8.3	1.367	2.317	11.0	20.2
5 21	13 45.33	− 0 43.5	1.419	2.312	15.1	20.4
5 31	13 42.01	− 0 41.1	1.490	2.308	18.6	20.6

73386 2002 LU_9 4 23.5 357.°10 0.°8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.97	−14 10.4	1.641	2.509	13.8	18.7
4 1	14 20.80	−13 15.8	1.570	2.508	10.0	18.4
4 11	14 14.58	−12 8.4	1.523	2.507	5.7	18.2
4 21	14 7.11	−10 53.5	1.502	2.506	1.2	17.8
5 1	13 59.41	− 9 38.1	1.507	2.505	4.0	18.0
5 11	13 52.55	− 8 29.9	1.538	2.505	8.5	18.3
5 21	13 47.35	− 7 34.9	1.593	2.506	12.6	18.6
5 31	13 44.39	− 6 57.2	1.669	2.507	16.1	18.8

423656 2005 YA_{76} 4 23.5 126.°40 1.°9/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.22	−20 19.3	2.183	3.012	12.4	21.9
4 1	14 24.11	−20 4.6	2.116	3.027	9.3	21.8
4 11	14 16.27	−19 37.0	2.072	3.042	5.8	21.6
4 21	14 7.43	−18 58.3	2.057	3.055	2.5	21.4
5 1	13 58.49	−18 12.2	2.070	3.069	2.9	21.4
5 11	13 50.34	−17 23.6	2.111	3.082	6.3	21.7
5 21	13 43.68	−16 37.5	2.179	3.094	9.6	21.9
5 31	13 38.98	−15 58.4	2.271	3.106	12.4	22.1

121190 1999 NP_{19} 4 23.5 244.°14 15.°1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.88	−44 16.4	1.249	1.996	24.1	19.1
4 1	14 30.71	−45 30.6	1.173	1.991	21.7	18.9
4 11	14 21.23	−46 5.9	1.110	1.985	19.0	18.7
4 21	14 8.58	−45 52.3	1.064	1.978	16.6	18.5
5 1	13 54.93	−44 44.5	1.038	1.972	15.2	18.4
5 11	13 42.81	−42 48.4	1.031	1.965	15.5	18.4
5 21	13 34.17	−40 18.6	1.044	1.958	17.5	18.5
5 31	13 30.06	−37 34.8	1.076	1.951	20.4	18.6

313041 2000 QN_{70} 4 23.5 145.°45 8.°6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.39	+10 18.0	2.084	2.937	11.9	21.3
4 1	14 24.13	+12 14.6	2.046	2.952	9.9	21.1
4 11	14 16.23	+14 0.5	2.034	2.965	8.7	21.1
4 21	14 7.42	+15 27.5	2.050	2.978	9.0	21.1
5 1	13 58.58	+16 29.6	2.092	2.989	10.5	21.2
5 11	13 50.59	+17 4.2	2.158	3.000	12.6	21.4
5 21	13 44.09	+17 11.9	2.245	3.010	14.7	21.6
5 31	13 39.53	+16 55.4	2.349	3.018	16.4	21.7

349433 2008 AW_{109} 4 23.5 66.°59 4.°8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.87	+ 0 1.1	2.183	3.055	10.7	20.7
4 1	14 20.18	+ 1 6.8	2.126	3.060	8.0	20.5
4 11	14 14.01	+ 2 10.7	2.095	3.066	5.6	20.4
4 21	14 6.98	+ 3 7.2	2.091	3.072	4.9	20.4
5 1	13 59.85	+ 3 51.2	2.114	3.077	6.6	20.5
5 11	13 53.39	+ 4 18.9	2.164	3.083	9.3	20.6
5 21	13 48.19	+ 4 29.1	2.237	3.089	11.9	20.8
5 31	13 44.69	+ 4 21.7	2.331	3.095	14.2	21.0

204807 2007 GQ_{23} 4 23.5 257.°64 2.°1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.65	− 7 6.7	2.040	2.899	11.9	20.6
4 1	14 25.43	− 6 57.8	1.951	2.884	8.7	20.3
4 11	14 17.21	− 6 46.2	1.887	2.868	5.0	20.1
4 21	14 7.67	− 6 34.9	1.851	2.852	2.1	19.9
5 1	13 57.72	− 6 27.4	1.843	2.836	4.3	20.0
5 11	13 48.38	− 6 27.0	1.864	2.820	8.2	20.2
5 21	13 40.49	− 6 36.3	1.910	2.803	11.8	20.4
5 31	13 34.68	− 6 56.7	1.978	2.786	15.0	20.5

127265 2002 JX_{50} 4 23.5 7.°41 1.°0/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.09	−16 37.6	1.557	2.419	14.8	19.0
4 1	14 22.49	−16 25.9	1.488	2.419	10.9	18.8
4 11	14 15.62	−16 0.9	1.441	2.421	6.5	18.5
4 21	14 7.34	−15 25.4	1.419	2.422	1.9	18.2
5 1	13 58.77	−14 44.1	1.423	2.425	3.5	18.3
5 11	13 51.11	−14 3.3	1.453	2.427	8.1	18.6
5 21	13 45.28	−13 29.0	1.507	2.431	12.4	18.9
5 31	13 41.91	−13 5.8	1.581	2.435	16.0	19.1

246696 2009 AN_{25} 4 23.5 25.°96 0.°9/24.3 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.68	−17 3.1	1.914	2.765	12.9	20.8
4 1	14 21.82	−16 43.9	1.842	2.768	9.5	20.6
4 11	14 15.09	−16 12.9	1.793	2.771	5.7	20.3
4 21	14 7.22	−15 32.7	1.771	2.774	1.7	20.1
5 1	13 59.13	−14 47.5	1.776	2.777	3.0	20.2
5 11	13 51.81	−14 2.7	1.809	2.780	7.0	20.4
5 21	13 46.01	−13 23.5	1.866	2.784	10.7	20.7
5 31	13 42.27	−12 54.0	1.946	2.788	13.9	20.9

372579 2009 UB_{95} 4 23.5 154.°15 0.°7/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.11	−12 30.0	2.258	3.109	11.2	22.2
4 1	14 23.24	−11 54.9	2.188	3.117	8.1	22.0
4 11	14 15.76	−11 12.5	2.144	3.125	4.6	21.8
4 21	14 7.35	−10 26.0	2.128	3.132	1.0	21.6
5 1	13 58.80	− 9 39.6	2.141	3.138	3.2	21.8
5 11	13 50.96	− 8 58.0	2.183	3.144	6.8	22.0
5 21	13 44.47	− 8 25.0	2.251	3.149	10.1	22.2
5 31	13 39.80	− 8 3.0	2.342	3.154	12.8	22.4

335626 2006 HC_{51} 4 23.5 349.°38 3.°3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.40	−24 45.9	1.723	2.556	15.0	20.1
4 1	14 21.19	−24 15.7	1.643	2.553	11.6	19.8
4 11	14 14.85	−23 24.1	1.586	2.550	7.8	19.6
4 21	14 7.18	−22 13.1	1.554	2.548	4.2	19.4
5 1	13 59.25	−20 48.0	1.548	2.546	3.9	19.3
5 11	13 52.17	−19 16.7	1.568	2.545	7.4	19.5
5 21	13 46.81	−17 48.1	1.614	2.544	11.3	19.8
5 31	13 43.75	−16 29.6	1.682	2.543	14.9	20.0

521016 2015 CG_{68} 4 23.5 265.°30 1.°9/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.83	− 9 48.5	1.820	2.687	12.8	22.1
4 1	14 22.75	− 9 8.8	1.742	2.679	9.2	21.9
4 11	14 15.69	− 8 21.9	1.688	2.671	5.2	21.6
4 21	14 7.36	− 7 32.3	1.661	2.664	1.9	21.4
5 1	13 58.73	− 6 45.6	1.662	2.656	4.5	21.5
5 11	13 50.83	− 6 7.3	1.689	2.648	8.6	21.7
5 21	13 44.49	− 5 41.7	1.740	2.640	12.4	22.0
5 31	13 40.29	− 5 31.3	1.813	2.632	15.7	22.2

109848 2001 RS_{129} 4 23.5 10.°52 4.°5/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.55	− 2 44.6	1.984	2.860	11.5	18.9
4 1	14 20.12	− 1 29.0	1.922	2.861	8.4	18.7
4 11	14 14.05	− 0 12.2	1.884	2.861	5.5	18.5
4 21	14 7.00	+ 0 59.3	1.874	2.862	4.6	18.4
5 1	13 59.81	+ 1 59.2	1.891	2.863	6.6	18.6
5 11	13 53.32	+ 2 42.6	1.934	2.864	9.6	18.7
5 21	13 48.18	+ 3 7.0	2.001	2.865	12.6	18.9
5 31	13 44.88	+ 3 11.9	2.087	2.867	15.2	19.1

281703 2008 WB_{91} 4 23.5 116.°63 0.°1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.06	−13 53.2	2.013	2.865	12.3	21.2
4 1	14 23.41	−13 38.0	1.943	2.872	9.0	21.0
4 11	14 15.95	−13 14.4	1.898	2.878	5.1	20.8
4 21	14 7.39	−12 44.9	1.881	2.885	1.0	20.5
5 1	13 58.67	−12 13.4	1.891	2.891	3.1	20.7
5 11	13 50.70	−11 44.5	1.930	2.897	7.1	21.0
5 21	13 44.23	−11 22.0	1.994	2.903	10.6	21.2
5 31	13 39.78	−11 9.0	2.080	2.909	13.6	21.4

341212 2007 RY_{122} 4 23.5 239.°17 4.°9/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.67	−27 57.8	2.369	3.159	12.7	21.3
4 1	14 25.47	−28 27.9	2.271	3.147	10.3	21.1
4 11	14 17.27	−28 42.9	2.196	3.135	7.7	20.9
4 21	14 7.70	−28 41.3	2.147	3.122	5.4	20.8
5 1	13 57.67	−28 23.7	2.127	3.109	5.0	20.7
5 11	13 48.18	−27 53.2	2.134	3.095	6.9	20.8
5 21	13 40.09	−27 14.9	2.168	3.081	9.7	21.0
5 31	13 34.07	−26 34.4	2.226	3.067	12.5	21.1

153744 2001 UU_{153} 4 23.5 191.°73 0.°9/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.61	−12 36.8	2.294	3.145	11.1	20.9
4 1	14 22.93	−11 53.1	2.214	3.143	8.0	20.7
4 11	14 15.64	−11 1.2	2.160	3.141	4.5	20.5
4 21	14 7.35	−10 4.7	2.134	3.138	1.1	20.2
5 1	13 58.87	− 9 8.2	2.138	3.134	3.3	20.4
5 11	13 51.02	− 8 16.7	2.170	3.130	6.9	20.6
5 21	13 44.47	− 7 34.3	2.229	3.125	10.2	20.8
5 31	13 39.72	− 7 4.0	2.311	3.119	13.1	21.0

42093 2001 AO_{23} 4 23.5 280.°96 5.°8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.35	+ 1 9.2	1.866	2.739	12.2	19.2
4 1	14 22.34	+ 2 10.7	1.794	2.728	9.2	19.0
4 11	14 15.42	+ 3 9.9	1.747	2.717	6.6	18.8
4 21	14 7.32	+ 4 0.3	1.727	2.706	5.9	18.7
5 1	13 58.94	+ 4 35.8	1.732	2.695	7.9	18.8
5 11	13 51.27	+ 4 52.1	1.763	2.685	10.9	19.0
5 21	13 45.08	+ 4 47.7	1.817	2.674	14.1	19.1
5 31	13 40.94	+ 4 23.1	1.890	2.663	16.8	19.3

219657 2001 VA_2 4 23.5 174.°95 4.°8/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.03	+ 1 48.2	2.395	3.253	10.4	20.5
4 1	14 23.79	+ 2 36.3	2.331	3.257	7.8	20.4
4 11	14 16.05	+ 3 21.2	2.293	3.259	5.6	20.2
4 21	14 7.42	+ 3 58.2	2.284	3.261	4.9	20.2
5 1	13 58.68	+ 4 23.2	2.303	3.262	6.4	20.3
5 11	13 50.59	+ 4 33.4	2.350	3.263	8.9	20.4
5 21	13 43.77	+ 4 27.8	2.421	3.262	11.5	20.6
5 31	13 38.67	+ 4 6.9	2.514	3.262	13.7	20.8

210967 2001 UQ_{208} 4 23.5 160.°44 1.°5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.20	−18 35.7	2.453	3.286	11.1	21.2
4 1	14 22.60	−18 32.6	2.374	3.289	8.3	21.0
4 11	14 15.44	−18 19.5	2.321	3.292	5.1	20.8
4 21	14 7.31	−17 57.8	2.294	3.295	2.0	20.6
5 1	13 58.99	−17 29.9	2.298	3.297	2.6	20.7
5 11	13 51.27	−16 59.7	2.329	3.299	5.8	20.9
5 21	13 44.80	−16 31.0	2.388	3.301	8.9	21.1
5 31	13 40.06	−16 7.4	2.470	3.303	11.6	21.3

85564 1998 BU_7 4 23.5 188°.40 4°.5/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.42	+ 0 46.5	2.416	3.273	10.4	20.1
4 1	14 24.10	+ 1 30.8	2.346	3.272	7.7	19.9
4 11	14 16.25	+ 2 12.7	2.302	3.271	5.4	19.7
4 21	14 7.48	+ 2 47.8	2.287	3.269	4.5	19.7
5 1	13 58.55	+ 3 12.0	2.301	3.265	6.1	19.8
5 11	13 50.25	+ 3 22.3	2.343	3.262	8.7	19.9
5 21	13 43.20	+ 3 17.6	2.410	3.257	11.4	20.1
5 31	13 37.89	+ 2 58.0	2.499	3.252	13.7	20.2

506576 2005 UK_{264} 4 23.5 209°.31 0°.5/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.34	−13 46.7	2.480	3.332	10.3	21.6
4 1	14 19.76	−13 1.6	2.402	3.331	7.4	21.5
4 11	14 13.79	−12 8.2	2.349	3.330	4.2	21.2
4 21	14 6.98	−11 9.9	2.324	3.328	0.9	21.0
5 1	14 0.01	−10 10.9	2.329	3.326	2.9	21.1
5 11	13 53.60	− 9 16.0	2.362	3.325	6.2	21.4
5 21	13 48.32	− 8 29.2	2.421	3.323	9.3	21.5
5 31	13 44.60	− 7 53.4	2.504	3.321	11.9	21.7

19886 1167 T-$_2$ 4 23.5 131°.51 0°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.19	−15 45.8	1.904	2.757	12.9	19.8
4 1	14 22.91	−15 18.7	1.832	2.760	9.5	19.5
4 11	14 15.72	−14 40.3	1.784	2.764	5.5	19.3
4 21	14 7.38	−13 53.8	1.763	2.767	1.3	19.0
5 1	13 58.85	−13 3.9	1.770	2.770	3.1	19.2
5 11	13 51.09	−12 16.2	1.804	2.773	7.3	19.4
5 21	13 44.89	−11 35.7	1.863	2.776	11.0	19.7
5 31	13 40.80	−11 6.4	1.944	2.778	14.2	19.9

198093 2004 SW_{30} 4 23.5 207°.40 0°.5/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.13	−15 51.5	2.103	2.948	12.1	21.1
4 1	14 23.51	−15 33.7	2.021	2.945	8.9	20.9
4 11	14 16.06	−15 5.8	1.963	2.941	5.3	20.6
4 21	14 7.46	−14 29.9	1.933	2.937	1.3	20.4
5 1	13 58.59	−13 50.0	1.932	2.932	2.9	20.5
5 11	13 50.39	−13 10.6	1.958	2.927	6.9	20.7
5 21	13 43.62	−12 36.5	2.011	2.921	10.5	20.9
5 31	13 38.84	−12 11.5	2.086	2.916	13.6	21.1

267489 2002 GQ_{164} 4 23.5 326°.63 2°.0/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.56	−10 55.7	1.500	2.380	14.2	20.1
4 1	14 20.81	−10 6.7	1.420	2.363	10.3	19.8
4 11	14 14.78	− 9 6.9	1.362	2.347	5.9	19.5
4 21	14 7.23	− 8 1.8	1.329	2.332	2.0	19.2
5 1	13 59.26	− 6 58.8	1.322	2.317	5.0	19.4
5 11	13 52.05	− 6 5.6	1.339	2.304	9.8	19.6
5 21	13 46.59	− 5 28.1	1.379	2.290	14.2	19.8
5 31	13 43.57	− 5 9.9	1.438	2.278	18.0	20.0

157379 2004 TV_{164} 4 23.5 275°.89 1°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.43	− 8 57.8	1.835	2.699	12.8	19.8
4 1	14 24.68	− 8 47.9	1.756	2.691	9.3	19.6
4 11	14 16.84	− 8 33.4	1.700	2.682	5.3	19.3
4 21	14 7.64	− 8 17.4	1.671	2.674	1.7	19.1
5 1	13 58.09	− 8 3.8	1.670	2.665	4.2	19.2
5 11	13 49.26	− 7 56.6	1.696	2.657	8.4	19.4
5 21	13 42.02	− 7 58.8	1.746	2.649	12.2	19.7
5 31	13 37.02	− 8 12.4	1.818	2.640	15.6	19.9

343372 2010 CN_{96} 4 23.5 265°.33 0°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.64	−14 12.7	1.964	2.819	12.5	21.0
4 1	14 22.54	−13 48.7	1.882	2.813	9.1	20.7
4 11	14 15.56	−13 15.0	1.826	2.806	5.2	20.5
4 21	14 7.37	−12 34.5	1.796	2.800	1.1	20.2
5 1	13 58.90	−11 51.7	1.793	2.793	3.2	20.3
5 11	13 51.10	−11 11.6	1.819	2.786	7.4	20.6
5 21	13 44.78	−10 38.9	1.869	2.780	11.1	20.8
5 31	13 40.50	−10 17.3	1.941	2.773	14.4	21.0

151181 2001 XR_{209} 4 23.5 59°.34 1°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.86	−10 49.9	1.573	2.445	14.1	19.2
4 1	14 22.79	− 9 59.2	1.520	2.459	10.1	19.0
4 11	14 15.67	− 9 0.3	1.490	2.474	5.7	18.8
4 21	14 7.37	− 7 59.0	1.486	2.489	1.9	18.6
5 1	13 59.01	− 7 2.0	1.509	2.504	4.7	18.8
5 11	13 51.66	− 6 15.7	1.558	2.519	8.9	19.1
5 21	13 46.11	− 5 44.3	1.630	2.535	12.8	19.3
5 31	13 42.87	− 5 29.9	1.723	2.550	16.1	19.6

56306 1999 RL_{125} 4 23.5 261°.18 6°.6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.12	−34 12.6	2.486	3.242	13.1	18.7
4 1	14 24.38	−34 51.3	2.391	3.233	11.1	18.5
4 11	14 16.66	−35 12.2	2.318	3.225	8.9	18.4
4 21	14 7.62	−35 13.3	2.270	3.216	7.2	18.2
5 1	13 58.15	−34 54.5	2.248	3.207	6.6	18.2
5 11	13 49.24	−34 18.7	2.253	3.198	7.6	18.2
5 21	13 41.74	−33 31.0	2.284	3.189	9.6	18.3
5 31	13 36.29	−32 37.5	2.338	3.180	11.9	18.5

431097 2006 DK_{185} 4 23.5 171°.16 3°.1/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.49	−21 7.5	2.046	2.871	13.2	21.3
4 1	14 26.10	−21 35.0	1.966	2.872	10.1	21.1
4 11	14 17.63	−21 50.2	1.910	2.873	6.7	20.9
4 21	14 7.81	−21 52.7	1.880	2.874	3.6	20.7
5 1	13 57.65	−21 44.0	1.879	2.875	3.8	20.7
5 11	13 48.20	−21 27.8	1.906	2.875	6.9	20.9
5 21	13 40.35	−21 8.6	1.959	2.876	10.4	21.1
5 31	13 34.72	−20 51.4	2.034	2.876	13.4	21.3

409207 2003 WP_{41} 4 23.5 205°.68 0°.1/23.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.60	−14 24.5	2.015	2.862	12.5	22.0
4 1	14 25.39	−14 2.1	1.931	2.856	9.2	21.8
4 11	14 17.19	−13 29.9	1.871	2.850	5.3	21.6
4 21	14 7.72	−12 50.5	1.839	2.844	1.1	21.3
5 1	13 57.94	−12 8.1	1.837	2.836	3.2	21.4
5 11	13 48.86	−11 27.9	1.862	2.828	7.4	21.6
5 21	13 41.31	−10 54.5	1.913	2.819	11.2	21.9
5 31	13 35.89	−10 31.7	1.987	2.809	14.4	22.0

20066 1993 TM_4 4 23.5 342°.58 1°.3/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.32	−20 12.2	2.380	3.215	11.3	19.0
4 1	14 19.85	−19 32.0	2.298	3.214	8.4	18.8
4 11	14 13.89	−18 38.6	2.242	3.214	5.2	18.6
4 21	14 7.03	−17 34.9	2.213	3.213	2.0	18.4
5 1	14 0.01	−16 24.9	2.213	3.213	2.6	18.4
5 11	13 53.59	−15 14.2	2.241	3.213	5.9	18.7
5 21	13 48.39	−14 8.0	2.296	3.212	9.1	18.8
5 31	13 44.86	−13 10.8	2.375	3.212	11.9	19.0

36445 Smalley 4 23.5 141°.10 4°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.62	− 2 45.2	1.801	2.670	12.8	18.5
4 1	14 24.55	− 1 26.2	1.747	2.682	9.3	18.3
4 11	14 16.60	− 0 6.5	1.718	2.693	6.1	18.1
4 21	14 7.57	+ 1 6.7	1.716	2.704	4.9	18.0
5 1	13 58.48	+ 2 6.5	1.742	2.714	7.0	18.2
5 11	13 50.31	+ 2 47.8	1.795	2.723	10.3	18.4
5 21	13 43.81	+ 3 8.6	1.871	2.732	13.5	18.6
5 31	13 39.46	+ 3 8.9	1.967	2.740	16.2	18.8

252968 2002 PM_{155} 4 23.5 225°.35 0°.3/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.63	−15 23.2	1.966	2.813	12.8	21.9
4 1	14 24.78	−14 58.5	1.878	2.803	9.4	21.6
4 11	14 16.89	−14 22.6	1.814	2.793	5.5	21.4
4 21	14 7.67	−13 38.2	1.778	2.782	1.2	21.0
5 1	13 58.09	−12 49.6	1.770	2.770	3.2	21.2
5 11	13 49.19	−12 2.4	1.790	2.757	7.5	21.4
5 21	13 41.82	−11 21.9	1.836	2.744	11.4	21.6
5 31	13 36.62	−10 52.3	1.904	2.731	14.8	21.8

161227 2002 XO_{68} 4 23.5 179°.55 3°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.75	− 2 46.8	2.673	3.536	9.3	20.3
4 1	14 20.64	− 1 45.9	2.605	3.537	6.8	20.1
4 11	14 14.25	− 0 44.3	2.563	3.538	4.4	20.0
4 21	14 7.10	+ 0 13.5	2.550	3.538	3.5	19.9
5 1	13 59.84	+ 1 3.3	2.567	3.538	5.1	20.0
5 11	13 53.10	+ 1 41.4	2.611	3.538	7.6	20.2
5 21	13 47.42	+ 2 5.8	2.681	3.536	10.1	20.3
5 31	13 43.21	+ 2 15.6	2.773	3.535	12.3	20.5

302354 2002 BZ_3 4 23.5 178°.03 11°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.08	+21 21.5	1.968	2.785	14.0	20.4
4 1	14 27.73	+22 43.7	1.928	2.787	12.6	20.3
4 11	14 18.40	+23 45.5	1.910	2.789	12.0	20.3
4 21	14 7.95	+24 19.4	1.916	2.790	12.3	20.3
5 1	13 57.46	+24 20.9	1.946	2.791	13.5	20.4
5 11	13 47.96	+23 49.9	1.997	2.790	15.2	20.5
5 21	13 40.25	+22 49.7	2.067	2.788	17.0	20.6
5 31	13 34.82	+21 25.4	2.153	2.786	18.6	20.7

274333 Voznyukigor 4 23.5 236°.81 2°.6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.29	− 8 49.4	2.032	2.899	11.6	20.6
4 1	14 21.46	− 7 35.3	1.953	2.890	8.4	20.3
4 11	14 14.90	− 6 13.6	1.899	2.882	4.9	20.1
4 21	14 7.26	− 4 50.1	1.873	2.873	2.6	19.9
5 1	13 59.39	− 3 31.5	1.876	2.864	5.0	20.1
5 11	13 52.16	− 2 24.2	1.907	2.854	8.6	20.3
5 21	13 46.30	− 1 32.6	1.962	2.844	12.0	20.5
5 31	13 42.34	− 0 59.4	2.038	2.834	15.0	20.6

121332 Jasonhair 4 23.5 264°.28 1°.7/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.08	−20 0.7	2.454	3.285	11.1	20.1
4 1	14 21.19	−19 46.4	2.361	3.274	8.4	19.9
4 11	14 14.72	−19 20.5	2.292	3.262	5.3	19.7
4 21	14 7.23	−18 44.3	2.250	3.250	2.3	19.5
5 1	13 59.47	−18 0.9	2.238	3.237	2.7	19.5
5 11	13 52.22	−17 14.4	2.254	3.225	5.9	19.7
5 21	13 46.15	−16 29.4	2.296	3.213	9.1	19.8
5 31	13 41.79	−15 50.1	2.362	3.200	11.9	20.0

217518 2006 UL_{187} 4 23.5 341°.02 5°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.97	−31 24.7	2.150	2.937	14.0	19.9
4 1	14 22.13	−31 25.5	2.065	2.935	11.5	19.7
4 11	14 15.35	−31 5.8	2.002	2.934	8.7	19.5
4 21	14 7.37	−30 25.1	1.963	2.933	6.3	19.4
5 1	13 59.12	−29 25.6	1.951	2.931	5.6	19.3
5 11	13 51.61	−28 12.6	1.966	2.930	7.2	19.4
5 21	13 45.63	−26 53.2	2.006	2.929	9.8	19.6
5 31	13 41.75	−25 34.7	2.071	2.929	12.6	19.8

71279 2000 AX_{45} 4 23.5 151°.76 2°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.97	− 6 37.5	2.096	2.961	11.4	19.5
4 1	14 22.55	− 5 58.1	2.029	2.964	8.2	19.3
4 11	14 15.46	− 5 15.6	1.987	2.968	4.8	19.1
4 21	14 7.38	− 4 34.3	1.972	2.971	2.6	18.9
5 1	13 59.14	− 3 58.7	1.986	2.974	4.7	19.1
5 11	13 51.61	− 3 33.0	2.027	2.976	8.1	19.3
5 21	13 45.45	− 3 19.9	2.093	2.979	11.3	19.5
5 31	13 41.17	− 3 20.6	2.181	2.981	14.0	19.7

377841 2006 BG_{152} 4 23.5 109°.33 3°.9/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.36	− 3 49.5	1.932	2.801	12.0	21.1
4 1	14 22.87	− 2 56.8	1.875	2.811	8.7	20.9
4 11	14 15.64	− 2 3.2	1.843	2.821	5.4	20.7
4 21	14 7.41	− 1 14.1	1.838	2.831	3.9	20.6
5 1	13 59.10	− 0 34.9	1.861	2.841	5.9	20.8
5 11	13 51.59	− 0 9.7	1.911	2.850	9.1	21.0
5 21	13 45.59	− 0 0.5	1.985	2.859	12.3	21.2
5 31	13 41.57	− 0 7.8	2.079	2.868	15.0	21.4

314666 2006 QQ_{38} 4 23.5 299°.37 17°.1/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 39.57	−49 36.2	1.609	2.288	21.9	20.5
4 1	14 33.77	−51 51.0	1.524	2.273	20.5	20.3
4 11	14 23.41	−53 36.8	1.454	2.258	19.0	20.1
4 21	14 9.25	−54 42.4	1.400	2.243	17.8	20.0
5 1	13 53.20	−54 59.2	1.365	2.228	17.1	19.9
5 11	13 37.97	−54 26.6	1.349	2.214	17.3	19.9
5 21	13 26.02	−53 12.5	1.350	2.200	18.4	19.9
5 31	13 18.93	−51 30.3	1.369	2.186	20.0	20.0

439121 2011 SD_{148} 4 23.5 326°.58 1°.6/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.63	−10 58.3	2.112	2.976	11.4	21.4
4 1	14 20.20	−10 4.7	2.038	2.974	8.1	21.2
4 11	14 14.15	− 9 3.5	1.988	2.971	4.6	21.0
4 21	14 7.13	− 7 59.1	1.966	2.969	1.6	20.7
5 1	13 59.92	− 6 57.0	1.973	2.967	3.9	20.9
5 11	13 53.34	− 6 2.7	2.006	2.964	7.5	21.1
5 21	13 48.07	− 5 20.3	2.065	2.962	10.9	21.3
5 31	13 44.58	− 4 52.5	2.146	2.960	13.8	21.5

434438 2005 NJ_{35} 4 23.5 330°.80 6°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.94	+ 6 5.8	2.049	2.917	11.5	20.8
4 1	14 21.13	+ 7 11.6	1.989	2.913	9.1	20.6
4 11	14 14.67	+ 8 10.6	1.955	2.910	7.3	20.5
4 21	14 7.23	+ 8 56.7	1.946	2.907	7.1	20.5
5 1	13 59.63	+ 9 24.5	1.964	2.904	8.7	20.6
5 11	13 52.72	+ 9 31.2	2.006	2.901	11.1	20.7
5 21	13 47.16	+ 9 16.5	2.070	2.898	13.7	20.9
5 31	13 43.44	+ 8 41.9	2.154	2.896	15.9	21.0

210955 2001 UU_{80} 4 23.5 99°.58 0°.6/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.11	−13 11.8	2.345	3.198	10.8	20.7
4 1	14 21.03	−12 31.3	2.282	3.212	7.8	20.5
4 11	14 14.51	−11 43.3	2.245	3.226	4.4	20.3
4 21	14 7.19	−10 51.3	2.235	3.239	0.9	20.0
5 1	13 59.79	− 9 59.6	2.255	3.253	3.0	20.2
5 11	13 53.06	− 9 12.8	2.303	3.266	6.4	20.5
5 21	13 47.57	− 8 34.4	2.378	3.279	9.5	20.7
5 31	13 43.75	− 8 7.0	2.475	3.292	12.1	20.9

216599 2002 PC_{158} 4 23.5 224°.27 4°.8/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.84	− 3 23.6	1.680	2.555	13.2	20.7
4 1	14 23.58	− 2 15.7	1.612	2.551	9.7	20.5
4 11	14 16.22	− 1 5.6	1.568	2.546	6.2	20.3
4 21	14 7.57	− 0 0.2	1.551	2.542	4.8	20.2
5 1	13 58.66	+ 0 53.1	1.560	2.537	7.1	20.3
5 11	13 50.58	+ 1 28.6	1.595	2.532	10.8	20.5
5 21	13 44.19	+ 1 43.6	1.652	2.526	14.3	20.7
5 31	13 40.07	+ 1 37.5	1.729	2.521	17.4	20.9

352136 2007 HW_{77} 4 23.5 204°.30 4°.1/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.51	− 5 50.4	1.325	2.206	15.7	21.0
4 1	14 25.95	− 5 3.5	1.263	2.206	11.4	20.7
4 11	14 17.75	− 4 12.4	1.223	2.205	6.9	20.5
4 21	14 7.90	− 3 24.0	1.207	2.205	4.1	20.3
5 1	13 57.74	− 2 46.0	1.216	2.204	6.9	20.5
5 11	13 48.69	− 2 24.5	1.250	2.204	11.4	20.7
5 21	13 41.80	− 2 22.8	1.305	2.203	15.8	21.0
5 31	13 37.74	− 2 41.4	1.378	2.203	19.5	21.2

88691 2001 RK_{129} 4 23.5 126°.70 3°.2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.70	− 8 12.9	1.422	2.298	15.1	19.9
4 1	14 25.15	− 7 15.9	1.362	2.303	10.9	19.7
4 11	14 17.19	− 6 11.9	1.325	2.309	6.3	19.4
4 21	14 7.77	− 5 7.8	1.313	2.314	3.2	19.2
5 1	13 58.15	− 4 11.4	1.328	2.318	6.0	19.4
5 11	13 49.62	− 3 29.6	1.367	2.323	10.5	19.7
5 21	13 43.11	− 3 6.5	1.429	2.327	14.7	19.9
5 31	13 39.24	− 3 3.8	1.510	2.331	18.2	20.2

429854 2012 RD_{15} 4 23.5 255°.05 0°.7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.78	−13 7.7	2.003	2.861	12.1	21.4
4 1	14 21.89	−12 27.7	1.922	2.855	8.8	21.2
4 11	14 15.19	−11 38.1	1.866	2.848	5.0	20.9
4 21	14 7.36	−10 42.8	1.837	2.841	1.1	20.7
5 1	13 59.27	− 9 46.9	1.837	2.835	3.5	20.8
5 11	13 51.84	− 8 56.0	1.864	2.828	7.5	21.1
5 21	13 45.84	− 8 14.7	1.916	2.821	11.2	21.3
5 31	13 41.79	− 7 46.7	1.989	2.814	14.3	21.4

330970 2009 SP_{357} 4 23.5 192°.27 5°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.58	+ 0 47.2	2.195	3.061	10.9	21.5
4 1	14 22.22	+ 2 8.3	2.129	3.060	8.2	21.3
4 11	14 15.27	+ 3 27.9	2.090	3.058	5.9	21.2
4 21	14 7.36	+ 4 39.8	2.079	3.055	5.4	21.2
5 1	13 59.30	+ 5 38.1	2.096	3.052	7.2	21.3
5 11	13 51.88	+ 6 18.4	2.139	3.048	9.9	21.4
5 21	13 45.77	+ 6 39.0	2.206	3.044	12.6	21.6
5 31	13 41.44	+ 6 39.8	2.293	3.039	15.0	21.7

10389 Robmanning 4 23.5 228°.60 1°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.63	−11 19.3	1.783	2.644	13.3	18.0
4 1	14 24.92	−10 26.0	1.699	2.633	9.6	17.8
4 11	14 17.05	− 9 22.5	1.638	2.621	5.5	17.5
4 21	14 7.77	− 8 13.6	1.605	2.608	1.8	17.2
5 1	13 58.11	− 7 6.0	1.600	2.594	4.6	17.4
5 11	13 49.18	− 6 6.5	1.622	2.580	9.0	17.6
5 21	13 41.90	− 5 20.8	1.669	2.565	13.0	17.8
5 31	13 36.93	− 4 52.4	1.736	2.550	16.5	18.0

16064 Davidharvey 4 23.5 67°.61 1°.8/25.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 36.23	−20 38.9	2.181	2.998	12.8	21.5
4 1	14 28.05	−20 17.7	2.149	3.054	9.5	21.4
4 11	14 18.33	−19 43.7	2.142	3.109	5.8	21.3
4 21	14 7.95	−18 59.4	2.164	3.163	2.4	21.1
5 1	13 57.84	−18 9.0	2.217	3.215	2.8	21.3
5 11	13 48.87	−17 17.8	2.299	3.267	6.0	21.6
5 21	13 41.62	−16 30.6	2.408	3.317	9.1	21.8
5 31	13 36.44	−15 51.2	2.542	3.366	11.6	22.1

276152 2002 JX_{124} 4 23.5 288°.06 5°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.15	− 1 40.8	1.861	2.737	12.1	20.3
4 1	14 21.59	− 0 26.0	1.779	2.717	9.0	20.0
4 11	14 15.11	+ 0 50.8	1.722	2.697	6.2	19.8
4 21	14 7.38	+ 2 2.5	1.692	2.678	5.3	19.7
5 1	13 59.28	+ 3 2.0	1.689	2.658	7.4	19.8
5 11	13 51.80	+ 3 43.4	1.711	2.638	10.8	20.0
5 21	13 45.76	+ 4 3.7	1.755	2.618	14.2	20.1
5 31	13 41.76	+ 4 2.0	1.819	2.598	17.2	20.3

334861 2003 UN_{121} 4 23.5 208°.52 6°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.13	−35 14.5	2.445	3.197	13.4	20.6
4 1	14 24.34	−35 23.0	2.351	3.192	11.3	20.5
4 11	14 16.62	−35 11.0	2.278	3.186	9.0	20.3
4 21	14 7.68	−34 37.2	2.230	3.180	7.1	20.2
5 1	13 58.43	−33 42.6	2.209	3.174	6.3	20.1
5 11	13 49.86	−32 31.6	2.216	3.167	7.3	20.2
5 21	13 42.78	−31 10.5	2.248	3.160	9.5	20.3
5 31	13 37.78	−29 46.7	2.305	3.152	11.9	20.4

270514 2002 FP_{38} 4 23.5 67°.12 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.68	−13 14.7	1.666	2.523	14.2	20.0
4 1	14 26.22	−13 17.5	1.613	2.544	10.3	19.8
4 11	14 17.64	−13 11.9	1.584	2.565	5.9	19.6
4 21	14 7.86	−13 0.3	1.582	2.586	1.2	19.3
5 1	13 58.01	−12 46.2	1.606	2.606	3.4	19.5
5 11	13 49.23	−12 34.1	1.658	2.627	7.8	19.9
5 21	13 42.34	−12 27.7	1.735	2.648	11.7	20.1
5 31	13 37.86	−12 30.0	1.833	2.669	14.9	20.4

312526 2009 DK_{75} 4 23.5 4°.85 3°.2/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.17	− 9 14.9	1.333	2.216	15.4	20.2
4 1	14 22.77	− 8 2.9	1.271	2.216	11.1	19.9
4 11	14 15.91	− 6 41.0	1.231	2.216	6.4	19.7
4 21	14 7.54	− 5 17.4	1.216	2.216	3.2	19.5
5 1	13 58.91	− 4 1.5	1.226	2.217	6.3	19.7
5 11	13 51.32	− 3 1.8	1.260	2.218	11.0	19.9
5 21	13 45.75	− 2 23.8	1.316	2.219	15.4	20.2
5 31	13 42.83	− 2 9.3	1.391	2.221	19.1	20.4

328881 2010 CO_{130} 4 23.5 80°.26 0°.2/23.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 22.84	−15 40.5	3.090	3.931	8.8	21.2
4 1	14 18.43	−15 6.1	3.024	3.947	6.4	21.1
4 11	14 12.96	−14 24.7	2.985	3.963	3.7	20.9
4 21	14 6.90	−13 38.7	2.975	3.978	0.8	20.7
5 1	14 0.79	−12 51.3	2.994	3.994	2.1	20.8
5 11	13 55.16	−12 5.8	3.043	4.010	4.8	21.0
5 21	13 50.45	−11 25.2	3.120	4.025	7.3	21.2
5 31	13 47.00	−10 52.1	3.220	4.040	9.5	21.4

75166 1999 VH_{124} 4 23.5 41°.85 0°.8/24.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.91	−17 59.1	1.429	2.291	15.9	19.1
4 1	14 23.24	−17 17.8	1.364	2.295	11.7	18.9
4 11	14 16.15	−16 18.8	1.320	2.300	7.0	18.6
4 21	14 7.59	−15 6.6	1.301	2.305	1.9	18.3
5 1	13 58.80	−13 48.5	1.309	2.310	3.7	18.5
5 11	13 51.06	−12 33.4	1.341	2.315	8.7	18.8
5 21	13 45.33	−11 29.2	1.397	2.321	13.2	19.0
5 31	13 42.21	−10 41.6	1.473	2.326	17.0	19.3

384230 2009 DT_{47} 4 23.6 62°.00 2°.2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.82	− 8 33.9	1.917	2.783	12.2	20.5
4 1	14 22.39	− 7 48.5	1.873	2.809	8.7	20.3
4 11	14 15.32	− 6 59.0	1.853	2.836	4.9	20.1
4 21	14 7.38	− 6 10.0	1.861	2.862	2.2	20.0
5 1	13 59.48	− 5 26.7	1.897	2.889	4.4	20.2
5 11	13 52.47	− 4 53.6	1.960	2.915	7.9	20.4
5 21	13 46.99	− 4 33.3	2.048	2.941	11.1	20.7
5 31	13 43.44	− 4 27.1	2.157	2.967	13.8	20.9

43279 2000 EY_{112} 4 23.6 250°.98 0°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.72	−13 51.2	2.072	2.926	12.0	18.9
4 1	14 22.51	−13 33.0	1.996	2.925	8.7	18.7
4 11	14 15.54	−13 6.4	1.943	2.924	5.0	18.5
4 21	14 7.47	−12 34.0	1.918	2.922	1.0	18.2
5 1	13 59.16	−11 59.6	1.921	2.921	3.1	18.4
5 11	13 51.53	−11 27.7	1.952	2.919	7.0	18.6
5 21	13 45.30	−11 2.4	2.008	2.918	10.5	18.8
5 31	13 41.00	−10 46.9	2.087	2.916	13.6	19.0

396346 2014 DD_{71} 4 23.6 109°.72 0°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.88	−14 32.2	2.608	3.449	10.3	21.6
4 1	14 22.92	−14 24.6	2.545	3.466	7.4	21.5
4 11	14 15.58	−14 10.1	2.507	3.484	4.3	21.3
4 21	14 7.46	−13 50.7	2.497	3.501	1.0	21.1
5 1	13 59.25	−13 29.0	2.518	3.518	2.4	21.2
5 11	13 51.68	−13 8.1	2.568	3.534	5.6	21.4
5 21	13 45.31	−12 51.1	2.645	3.550	8.5	21.6
5 31	13 40.55	−12 40.3	2.746	3.566	10.9	21.8

251775 1999 RQ_{12} 4 23.6 209°.33 0°.8/24.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.12	−17 19.9	2.128	2.965	12.3	21.9
4 1	14 25.02	−16 52.3	2.039	2.958	9.1	21.7
4 11	14 17.01	−16 12.4	1.975	2.950	5.5	21.5
4 21	14 7.78	−15 22.8	1.938	2.941	1.6	21.2
5 1	13 58.24	−14 27.4	1.931	2.932	2.9	21.3
5 11	13 49.36	−13 31.8	1.953	2.921	6.9	21.5
5 21	13 41.94	−12 41.3	2.001	2.910	10.6	21.7
5 31	13 36.56	−12 0.7	2.072	2.897	13.8	21.9

56880 2000 QS_{120} 4 23.6 296°.06 4°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.72	−26 38.1	2.196	3.004	13.1	18.9
4 1	14 22.66	−26 49.4	2.107	2.997	10.4	18.7
4 11	14 15.70	−26 44.5	2.041	2.990	7.5	18.5
4 21	14 7.52	−26 23.0	2.000	2.983	4.9	18.3
5 1	13 59.00	−25 46.9	1.987	2.976	4.5	18.3
5 11	13 51.10	−25 0.4	2.001	2.970	6.7	18.4
5 21	13 44.63	−24 9.2	2.041	2.963	9.7	18.5
5 31	13 40.18	−23 19.2	2.104	2.957	12.6	18.7

217678 1999 CY_{10} 4 23.6 101°.25 7°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.46	+ 3 39.8	1.827	2.698	12.5	19.9
4 1	14 22.92	+ 5 31.3	1.790	2.718	9.6	19.8
4 11	14 15.65	+ 7 16.5	1.779	2.738	7.6	19.7
4 21	14 7.47	+ 8 46.9	1.795	2.758	7.4	19.7
5 1	13 59.31	+ 9 55.4	1.838	2.776	9.3	19.9
5 11	13 52.08	+10 38.2	1.905	2.795	11.9	20.1
5 21	13 46.43	+10 55.1	1.994	2.813	14.4	20.3
5 31	13 42.80	+10 48.1	2.101	2.830	16.6	20.5

221903 2008 KY_{38} 4 23.6 196°.36 2°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.80	− 7 43.9	2.604	3.459	9.8	21.2
4 1	14 22.21	− 6 38.3	2.524	3.456	7.0	21.0
4 11	14 15.23	− 5 28.0	2.471	3.451	4.1	20.8
4 21	14 7.40	− 4 17.2	2.448	3.446	2.4	20.7
5 1	13 59.41	− 3 10.8	2.455	3.440	4.2	20.8
5 11	13 51.96	− 2 13.6	2.492	3.433	7.2	21.0
5 21	13 45.63	− 1 28.7	2.554	3.425	10.0	21.2
5 31	13 40.85	− 0 58.1	2.640	3.416	12.5	21.3

56266 1999 JJ_{97} 4 23.6 276°.58 5°.8/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.65	+ 3 8.6	2.192	3.061	10.8	18.8
4 1	14 20.89	+ 4 13.9	2.124	3.053	8.3	18.6
4 11	14 14.56	+ 5 15.5	2.082	3.045	6.3	18.5
4 21	14 7.27	+ 6 7.7	2.066	3.037	5.9	18.5
5 1	13 59.79	+ 6 45.2	2.078	3.029	7.6	18.5
5 11	13 52.92	+ 7 4.5	2.115	3.021	10.1	18.7
5 21	13 47.29	+ 7 4.6	2.175	3.013	12.7	18.8
5 31	13 43.39	+ 6 45.7	2.255	3.005	15.1	19.0

461342 1995 SX_{42} 4 23.6 301°.33 1°.9/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.15	−10 48.0	1.408	2.285	15.2	21.7
4 1	14 23.71	−10 9.6	1.322	2.264	11.1	21.4
4 11	14 16.65	− 9 20.5	1.259	2.244	6.4	21.0
4 21	14 7.77	− 8 25.4	1.221	2.224	2.0	20.7
5 1	13 58.28	− 7 31.7	1.207	2.204	5.2	20.9
5 11	13 49.56	− 6 47.1	1.219	2.184	10.4	21.1
5 21	13 42.77	− 6 17.9	1.252	2.165	15.2	21.3
5 31	13 38.74	− 6 7.7	1.304	2.146	19.4	21.5

31454 1999 CH_{14} 4 23.6 127°.52 2°.1/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.29	−19 14.9	1.677	2.516	15.0	18.3
4 1	14 27.57	−19 11.9	1.612	2.530	11.3	18.0
4 11	14 18.54	−18 54.2	1.571	2.543	7.0	17.8
4 21	14 8.11	−18 23.3	1.555	2.555	2.8	17.6
5 1	13 57.50	−17 43.2	1.567	2.567	3.5	17.7
5 11	13 47.94	−17 0.1	1.607	2.578	7.7	17.9
5 21	13 40.35	−16 20.2	1.671	2.589	11.8	18.2
5 31	13 35.34	−15 48.8	1.757	2.599	15.2	18.4

14930 1994 WL_3 4 23.6 119°.18 2°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.92	− 8 40.8	1.835	2.700	12.8	18.9
4 1	14 24.10	− 7 51.7	1.777	2.713	9.1	18.7
4 11	14 16.41	− 6 57.2	1.744	2.726	5.2	18.5
4 21	14 7.66	− 6 2.3	1.737	2.738	2.4	18.4
5 1	13 58.82	− 5 12.8	1.759	2.750	4.7	18.5
5 11	13 50.87	− 4 34.0	1.808	2.761	8.5	18.8
5 21	13 44.55	− 4 9.2	1.881	2.772	12.0	19.0
5 31	13 40.35	− 4 0.1	1.975	2.783	15.0	19.2

3887 Gerstner 4 23.6 250°.33 1°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.16	−10 28.5	2.302	3.162	10.7	17.7
4 1	14 20.53	− 9 31.6	2.219	3.153	7.7	17.5
4 11	14 14.37	− 8 27.5	2.162	3.144	4.4	17.2
4 21	14 7.26	− 7 20.5	2.133	3.135	1.7	17.0
5 1	13 59.93	− 6 15.6	2.133	3.125	3.9	17.2
5 11	13 53.15	− 5 18.2	2.161	3.116	7.3	17.4
5 21	13 47.57	− 4 32.4	2.215	3.106	10.5	17.6
5 31	13 43.67	− 4 0.7	2.291	3.096	13.3	17.7

66891 1999 VP_{85} 4 23.6 271°.53 7°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.67	+ 5 8.3	2.104	2.969	11.4	19.9
4 1	14 22.57	+ 6 35.4	2.019	2.942	9.0	19.7
4 11	14 15.66	+ 7 59.4	1.960	2.915	7.3	19.5
4 21	14 7.55	+ 9 13.1	1.928	2.888	7.3	19.5
5 1	13 59.05	+10 9.5	1.923	2.860	9.1	19.5
5 11	13 51.07	+10 43.8	1.943	2.831	11.8	19.6
5 21	13 44.39	+10 54.1	1.986	2.802	14.6	19.7
5 31	13 39.59	+10 40.8	2.046	2.773	17.1	19.9

44428 1998 TF_5 4 23.6 288°.99 2°.8/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.69	− 8 9.3	1.317	2.196	15.9	18.8
4 1	14 26.48	− 7 44.3	1.234	2.176	11.7	18.5
4 11	14 18.35	− 7 12.5	1.173	2.157	6.8	18.1
4 21	14 8.16	− 6 39.1	1.135	2.137	2.8	17.8
5 1	13 57.24	− 6 10.6	1.123	2.118	6.0	18.0
5 11	13 47.16	− 5 53.7	1.135	2.098	11.3	18.2
5 21	13 39.20	− 5 52.9	1.169	2.079	16.3	18.4
5 31	13 34.28	− 6 10.9	1.220	2.060	20.6	18.6

122244 2000 OS_{19} 4 23.6 252°.09 0°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.21	−15 15.2	1.931	2.784	12.8	19.6
4 1	14 23.10	−14 37.3	1.842	2.771	9.4	19.4
4 11	14 16.00	−13 47.4	1.778	2.758	5.4	19.1
4 21	14 7.62	−12 48.6	1.740	2.744	1.1	18.8
5 1	13 58.88	−11 46.3	1.731	2.730	3.3	18.9
5 11	13 50.79	−10 46.6	1.749	2.716	7.6	19.1
5 21	13 44.20	− 9 55.4	1.792	2.702	11.6	19.3
5 31	13 39.72	− 9 17.1	1.858	2.687	15.0	19.5

37814 1998 AT_6 4 23.6 354°.83 5°.6/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.86	− 2 9.6	1.321	2.206	15.4	18.2
4 1	14 24.75	− 1 18.4	1.262	2.204	11.4	17.9
4 11	14 17.09	− 0 27.7	1.224	2.203	7.4	17.7
4 21	14 7.84	+ 0 15.0	1.210	2.202	5.7	17.6
5 1	13 58.31	+ 0 42.1	1.222	2.202	8.1	17.7
5 11	13 49.85	+ 0 48.6	1.256	2.202	12.3	17.9
5 21	13 43.49	+ 0 32.8	1.312	2.202	16.3	18.2
5 31	13 39.87	− 0 4.4	1.385	2.203	19.8	18.4

250426 2003 WR_{85} 4 23.6 231°.17 0°.9/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.72	−15 51.7	1.790	2.638	13.9	21.1
4 1	14 26.56	−15 48.6	1.704	2.628	10.3	20.8
4 11	14 18.09	−15 34.4	1.641	2.618	6.1	20.5
4 21	14 8.07	−15 10.8	1.605	2.608	1.7	20.2
5 1	13 57.59	−14 41.3	1.597	2.597	3.4	20.3
5 11	13 47.84	−14 11.1	1.616	2.586	7.9	20.6
5 21	13 39.82	−13 45.2	1.660	2.574	12.1	20.8
5 31	13 34.23	−13 28.2	1.726	2.561	15.7	21.0

345621 2006 SV_{247} 4 23.6 129°.60 0°.2/23.7 17

3 22	14 27.35	−14 37.2	2.384	3.230	10.9	21.7
4 1	14 22.02	−14 18.5	2.311	3.237	7.9	21.5
4 11	14 15.17	−13 51.9	2.264	3.243	4.6	21.3
4 21	14 7.43	−13 19.8	2.245	3.249	1.0	21.1
5 1	13 59.53	−12 45.5	2.255	3.255	2.6	21.2
5 11	13 52.26	−12 13.0	2.294	3.261	6.1	21.4
5 21	13 46.24	−11 45.8	2.359	3.267	9.3	21.7
5 31	13 41.91	−11 26.8	2.447	3.272	12.0	21.8

430977 2005 WL_{111} 4 23.6 295°.10 3°.5/26.6 17

3 22	14 27.21	−24 59.6	1.734	2.563	15.1	20.7
4 1	14 22.61	−24 32.1	1.651	2.557	11.7	20.4
4 11	14 15.81	−23 43.0	1.589	2.551	7.9	20.2
4 21	14 7.59	−22 33.9	1.552	2.546	4.4	20.0
5 1	13 59.05	−21 9.6	1.542	2.540	4.0	19.9
5 11	13 51.34	−19 38.2	1.558	2.534	7.5	20.1
5 21	13 45.39	−18 8.4	1.600	2.529	11.5	20.3
5 31	13 41.81	−16 48.3	1.664	2.523	15.1	20.6

315318 2007 TU_{309} 4 23.6 64°.09 0°.1/23.5 18

3 22	14 31.86	−14 4.7	1.370	2.237	16.1	20.9
4 1	14 26.04	−13 49.4	1.318	2.254	11.7	20.7
4 11	14 17.72	−13 22.5	1.288	2.270	6.7	20.4
4 21	14 7.96	−12 47.9	1.283	2.287	1.4	20.1
5 1	13 58.11	−12 11.0	1.303	2.304	4.0	20.4
5 11	13 49.48	−11 38.5	1.349	2.321	8.9	20.7
5 21	13 43.03	−11 15.7	1.418	2.338	13.3	21.0
5 31	13 39.32	−11 5.9	1.507	2.355	17.0	21.3

382781 2003 SY_{240} 4 23.6 188°.57 1°.6/25.1 17

3 22	14 29.95	−18 59.5	2.580	3.406	10.8	21.4
4 1	14 23.90	−18 57.3	2.494	3.405	8.1	21.2
4 11	14 16.28	−18 45.2	2.434	3.403	5.1	21.0
4 21	14 7.67	−18 24.3	2.402	3.401	2.1	20.8
5 1	13 58.84	−17 56.9	2.400	3.399	2.6	20.8
5 11	13 50.56	−17 26.5	2.427	3.396	5.7	21.0
5 21	13 43.49	−16 57.1	2.481	3.392	8.7	21.2
5 31	13 38.12	−16 32.1	2.560	3.388	11.4	21.4

386518 2009 BV_{134} 4 23.6 56°.87 5°.8/18.0 17

3 22	14 26.02	+ 2 1.8	2.023	2.895	11.4	21.2
4 1	14 21.20	+ 3 10.4	1.966	2.898	8.7	21.1
4 11	14 14.75	+ 4 15.4	1.935	2.902	6.4	20.9
4 21	14 7.35	+ 5 10.7	1.930	2.905	5.9	20.9
5 1	13 59.83	+ 5 50.8	1.952	2.908	7.6	21.0
5 11	13 53.02	+ 6 12.0	1.999	2.912	10.3	21.2
5 21	13 47.58	+ 6 13.3	2.070	2.915	13.0	21.4
5 31	13 43.98	+ 5 55.4	2.159	2.919	15.4	21.5

250584 2005 AM_{68} 4 23.6 90°.19 14°.4/ 7.1 18

3 22	14 40.30	−49 17.8	1.680	2.355	21.2	20.1
4 1	14 33.31	−50 46.3	1.617	2.370	19.3	20.0
4 11	14 22.48	−51 40.3	1.570	2.384	17.4	19.9
4 21	14 9.03	−51 52.4	1.541	2.398	15.7	19.8
5 1	13 54.96	−51 19.5	1.531	2.412	14.6	19.8
5 11	13 42.46	−50 6.1	1.542	2.426	14.5	19.8
5 21	13 33.14	−48 22.8	1.573	2.440	15.3	19.9
5 31	13 27.85	−46 23.1	1.625	2.454	16.8	20.0

55407 2001 TQ_{1} 4 23.6 23°.19 4°.2/27.2 18

3 22	14 28.84	−25 48.9	2.167	2.977	13.1	19.5
4 1	14 23.45	−26 7.2	2.086	2.978	10.4	19.3
4 11	14 16.16	−26 10.0	2.028	2.979	7.4	19.1
4 21	14 7.67	−25 57.0	1.996	2.980	4.8	19.0
5 1	13 58.87	−25 29.9	1.992	2.981	4.4	19.0
5 11	13 50.75	−24 52.9	2.014	2.983	6.7	19.1
5 21	13 44.11	−24 11.3	2.063	2.984	9.7	19.3
5 31	13 39.52	−23 30.8	2.135	2.985	12.5	19.5

367831 2011 BM_{32} 4 23.6 186°.33 4°.6/19.3 17

3 22	14 29.73	− 0 37.1	2.170	3.033	11.1	21.7
4 1	14 23.82	+ 0 20.2	2.102	3.033	8.3	21.5
4 11	14 16.24	+ 1 16.4	2.061	3.032	5.6	21.3
4 21	14 7.67	+ 2 6.2	2.047	3.031	4.7	21.3
5 1	13 58.93	+ 2 44.5	2.061	3.029	6.5	21.4
5 11	13 50.87	+ 3 7.6	2.103	3.026	9.3	21.5
5 21	13 44.17	+ 3 13.7	2.169	3.023	12.2	21.7
5 31	13 39.33	+ 3 2.7	2.256	3.019	14.7	21.9

112903 2002 QB_{53} 4 23.6 212°.53 1°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.25	−10 8.0	2.214	3.073	11.1	21.0
4 1	14 22.08	− 9 31.2	2.136	3.070	8.0	20.7
4 11	14 15.28	− 8 48.3	2.084	3.066	4.5	20.5
4 21	14 7.48	− 8 3.1	2.060	3.062	1.6	20.3
5 1	13 59.46	− 7 19.9	2.064	3.058	3.7	20.5
5 11	13 52.06	− 6 43.3	2.096	3.054	7.3	20.7
5 21	13 45.95	− 6 16.8	2.154	3.049	10.6	20.9
5 31	13 41.62	− 6 2.6	2.234	3.044	13.4	21.0

496599 2015 CG_{47} 4 23.6 201°.47 4°.0/26.6 17

3 22	14 31.56	−24 4.9	2.011	2.828	13.7	21.3
4 1	14 25.57	−24 30.6	1.929	2.827	10.8	21.1
4 11	14 17.46	−24 41.3	1.870	2.826	7.5	20.9
4 21	14 7.95	−24 36.4	1.837	2.825	4.6	20.7
5 1	13 58.07	−24 17.5	1.831	2.823	4.4	20.7
5 11	13 48.91	−23 48.6	1.853	2.822	7.1	20.8
5 21	13 41.37	−23 15.2	1.901	2.820	10.5	21.0
5 31	13 36.10	−22 42.9	1.971	2.819	13.5	21.2

13086 Sauerbruch 4 23.6 307°.97 5°.7/19.1 18

3 22	14 27.41	+ 0 12.1	1.730	2.607	12.8	17.5
4 1	14 22.67	+ 1 4.4	1.651	2.587	9.7	17.3
4 11	14 15.84	+ 1 55.2	1.595	2.568	6.8	17.1
4 21	14 7.63	+ 2 38.1	1.565	2.549	5.8	17.0
5 1	13 59.01	+ 3 6.6	1.560	2.531	7.9	17.0
5 11	13 51.07	+ 3 16.0	1.581	2.512	11.3	17.2
5 21	13 44.69	+ 3 4.6	1.624	2.494	14.8	17.4
5 31	13 40.53	+ 2 32.4	1.686	2.476	17.9	17.5

12452 1996 YO 4 23.6 120°.48 1°.0/24.3 18

3 22	14 32.40	−17 33.9	1.400	2.258	16.4	18.6
4 1	14 26.55	−17 6.2	1.338	2.267	12.1	18.3
4 11	14 18.10	−16 21.8	1.297	2.275	7.2	18.1
4 21	14 8.08	−15 24.6	1.281	2.284	2.0	17.8
5 1	13 57.84	−14 20.8	1.291	2.292	3.8	17.9
5 11	13 48.77	−13 19.0	1.327	2.300	8.9	18.2
5 21	13 41.90	−12 26.5	1.386	2.307	13.5	18.5
5 31	13 37.84	−11 49.0	1.465	2.314	17.3	18.8

299306 2005 QQ_{49} 4 23.6 222°.13 6°.9/14.1 18

3 22	14 24.45	+ 9 37.7	2.665	3.520	9.6	20.7
4 1	14 19.82	+11 10.2	2.605	3.513	7.9	20.6
4 11	14 13.90	+12 35.9	2.572	3.506	6.9	20.5
4 21	14 7.19	+13 48.9	2.567	3.499	7.2	20.5
5 1	14 0.34	+14 44.3	2.588	3.491	8.5	20.6
5 11	13 53.98	+15 19.3	2.635	3.483	10.4	20.7
5 21	13 48.65	+15 33.1	2.703	3.475	12.3	20.8
5 31	13 44.77	+15 26.8	2.790	3.466	13.9	20.9

57007 2000 SH_{356} 4 23.6 102°.82 6°.8/15.8 18

3 22	14 25.18	+ 7 45.1	2.342	3.204	10.5	19.0
4 1	14 20.39	+ 9 4.2	2.295	3.211	8.4	18.9
4 11	14 14.22	+10 15.7	2.273	3.219	7.0	18.8
4 21	14 7.25	+11 13.8	2.278	3.226	7.1	18.9
5 1	14 0.22	+11 53.9	2.309	3.232	8.5	18.9
5 11	13 53.81	+12 13.3	2.366	3.239	10.5	19.1
5 21	13 48.61	+12 12.0	2.444	3.246	12.6	19.2
5 31	13 45.01	+11 51.3	2.542	3.253	14.4	19.4

497715 2006 SY_{119} 4 23.6 273°.88 3°.9/20.5 17

3 22	14 30.32	− 5 32.2	1.722	2.592	13.2	21.6
4 1	14 24.95	− 4 35.8	1.628	2.566	9.7	21.3
4 11	14 17.26	− 3 33.8	1.558	2.538	6.0	21.1
4 21	14 7.96	− 2 32.0	1.514	2.510	3.9	20.9
5 1	13 58.07	− 1 37.6	1.497	2.481	6.4	20.9
5 11	13 48.77	− 0 57.2	1.507	2.452	10.6	21.1
5 21	13 41.08	− 0 35.4	1.539	2.422	14.7	21.3
5 31	13 35.75	− 0 34.1	1.592	2.392	18.4	21.4

207317 2005 GN_{98} 4 23.6 342°.22 0°.5/23.2 17

3 22	14 27.38	−12 50.5	1.943	2.802	12.4	21.0
4 1	14 22.40	−12 30.6	1.867	2.800	9.0	20.8
4 11	14 15.56	−12 2.6	1.817	2.798	5.1	20.6
4 21	14 7.56	−11 29.5	1.792	2.796	1.0	20.3
5 1	13 59.31	−10 55.4	1.796	2.795	3.3	20.4
5 11	13 51.77	−10 25.2	1.826	2.793	7.4	20.7
5 21	13 45.70	−10 2.8	1.882	2.792	11.1	20.9
5 31	13 41.65	− 9 51.3	1.959	2.791	14.2	21.1

51368 2000 WV_{60} 4 23.6 214°.04 4°.8/19.9 18

3 22	14 31.05	− 2 22.3	1.761	2.631	13.0	18.9
4 1	14 25.17	− 1 26.4	1.690	2.625	9.6	18.7
4 11	14 17.20	− 0 29.8	1.643	2.619	6.2	18.5
4 21	14 7.91	+ 0 21.3	1.623	2.613	4.8	18.3
5 1	13 58.33	+ 1 0.5	1.630	2.606	7.0	18.5
5 11	13 49.56	+ 1 22.9	1.663	2.599	10.5	18.6
5 21	13 42.45	+ 1 26.2	1.720	2.591	14.0	18.8
5 31	13 37.61	+ 1 10.3	1.796	2.582	17.1	19.0

422958 2002 WW_{25} 4 23.6 215°.72 0°.4/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.16	−14 27.8	1.996	2.848	12.5	21.5
4 1	14 23.69	−13 42.3	1.913	2.841	9.1	21.3
4 11	14 16.31	−12 45.5	1.853	2.834	5.2	21.0
4 21	14 7.72	−11 41.1	1.822	2.826	1.0	20.7
5 1	13 58.85	−10 34.6	1.819	2.817	3.4	20.9
5 11	13 50.67	− 9 32.4	1.844	2.808	7.6	21.1
5 21	13 43.98	− 8 39.6	1.894	2.798	11.3	21.3
5 31	13 39.33	− 8 0.6	1.967	2.788	14.6	21.5

70759 1999 VP_{30} 4 23.6 263°.55 2°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.12	−24 15.3	2.078	2.900	13.2	19.4
4 1	14 22.30	−23 34.9	1.980	2.884	10.2	19.1
4 11	14 15.55	−22 35.3	1.905	2.868	6.8	18.9
4 21	14 7.57	−21 18.3	1.857	2.852	3.5	18.7
5 1	13 59.26	−19 48.2	1.837	2.836	3.3	18.6
5 11	13 51.59	−18 12.2	1.845	2.819	6.8	18.8
5 21	13 45.37	−16 38.1	1.880	2.802	10.5	19.0
5 31	13 41.20	−15 13.0	1.939	2.785	13.8	19.2

466600 2014 UB_{185} 4 23.6 91°.46 1°.6/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.85	−11 2.8	1.662	2.528	13.8	21.2
4 1	14 24.25	−10 22.3	1.605	2.541	9.9	21.0
4 11	14 16.60	− 9 33.8	1.571	2.554	5.6	20.8
4 21	14 7.77	− 8 42.2	1.563	2.567	1.7	20.5
5 1	13 58.83	− 7 53.5	1.583	2.579	4.3	20.7
5 11	13 50.85	− 7 13.5	1.629	2.591	8.6	21.0
5 21	13 44.66	− 6 46.3	1.699	2.603	12.4	21.3
5 31	13 40.76	− 6 34.4	1.790	2.615	15.7	21.5

414468 2009 KM_{14} 4 23.6 189°.41 3°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 18.83	+ 6 12.0	4.644	5.499	5.8	20.7
4 1	14 15.34	+ 6 57.3	4.582	5.498	4.6	20.6
4 11	14 11.18	+ 7 39.1	4.549	5.498	3.7	20.5
4 21	14 6.63	+ 8 15.2	4.543	5.497	3.6	20.5
5 1	14 2.02	+ 8 43.4	4.567	5.497	4.5	20.6
5 11	13 57.67	+ 9 2.3	4.618	5.496	5.7	20.7
5 21	13 53.86	+ 9 11.2	4.694	5.495	7.0	20.8
5 31	13 50.82	+ 9 9.9	4.792	5.494	8.2	20.9

413560 2005 SD_{284} 4 23.6 144°.00 3°.3/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.83	− 4 32.0	2.163	3.025	11.2	22.0
4 1	14 23.83	− 3 44.8	2.102	3.036	8.1	21.8
4 11	14 16.22	− 2 56.3	2.067	3.046	5.0	21.6
4 21	14 7.68	− 2 11.0	2.061	3.055	3.3	21.5
5 1	13 59.05	− 1 33.7	2.083	3.064	5.2	21.7
5 11	13 51.17	− 1 8.1	2.133	3.072	8.3	21.9
5 21	13 44.67	− 0 56.4	2.207	3.080	11.3	22.1
5 31	13 40.03	− 0 59.4	2.304	3.087	13.9	22.3

9467 1998 KQ_{47} 4 23.6 294°.40 0°.9/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.30	−12 38.9	2.224	3.082	11.1	17.9
4 1	14 20.85	−11 57.6	2.124	3.056	8.1	17.6
4 11	14 14.69	−11 7.2	2.049	3.031	4.6	17.4
4 21	14 7.40	−10 11.0	2.001	3.005	1.1	17.1
5 1	13 59.74	− 9 13.7	1.983	2.980	3.4	17.2
5 11	13 52.56	− 8 20.5	1.991	2.954	7.2	17.4
5 21	13 46.57	− 7 36.2	2.026	2.928	10.8	17.5
5 31	13 42.37	− 7 4.4	2.083	2.903	13.9	17.7

143388 2003 BN_{26} 4 23.6 180°.66 4°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.03	− 0 16.6	2.347	3.216	10.2	19.8
4 1	14 20.34	+ 0 57.6	2.283	3.216	7.6	19.7
4 11	14 14.23	+ 2 10.9	2.246	3.216	5.3	19.5
4 21	14 7.28	+ 3 17.7	2.237	3.216	4.8	19.5
5 1	14 0.20	+ 4 12.8	2.255	3.216	6.4	19.6
5 11	13 53.70	+ 4 52.3	2.301	3.216	9.0	19.8
5 21	13 48.37	+ 5 14.1	2.370	3.216	11.6	19.9
5 31	13 44.65	+ 5 18.2	2.460	3.215	13.8	20.1

189457 1999 RS_{30} 4 23.6 143°.63 8°.5/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 38.14	−42 38.0	2.708	3.390	13.8	20.3
4 1	14 30.27	−43 36.3	2.629	3.402	12.2	20.2
4 11	14 20.14	−44 13.6	2.571	3.414	10.5	20.1
4 21	14 8.54	−44 26.6	2.537	3.426	9.1	20.0
5 1	13 56.54	−44 14.2	2.528	3.437	8.5	20.0
5 11	13 45.29	−43 39.2	2.546	3.447	8.8	20.0
5 21	13 35.76	−42 47.0	2.589	3.456	10.0	20.1
5 31	13 28.61	−41 44.6	2.655	3.465	11.5	20.2

480383 2015 KC_{45} 4 23.6 287°.25 3°.5/20.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.21	− 2 57.1	2.178	3.043	11.0	21.4
4 1	14 22.84	− 2 32.1	2.097	3.031	8.1	21.2
4 11	14 15.77	− 2 7.1	2.042	3.020	5.1	21.0
4 21	14 7.62	− 1 46.2	2.014	3.008	3.5	20.8
5 1	13 59.19	− 1 33.3	2.014	2.996	5.3	20.9
5 11	13 51.34	− 1 31.4	2.042	2.984	8.4	21.1
5 21	13 44.78	− 1 42.5	2.094	2.972	11.6	21.3
5 31	13 40.05	− 2 6.9	2.168	2.961	14.3	21.4

475507 2006 SB_{329} 4 23.6 152°.39 0°.9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.56	−11 9.5	2.673	3.524	9.7	22.2
4 1	14 21.30	−10 39.9	2.601	3.530	7.0	22.0
4 11	14 14.73	−10 5.1	2.555	3.536	3.9	21.8
4 21	14 7.38	− 9 27.8	2.538	3.542	1.1	21.6
5 1	13 59.91	− 8 51.4	2.551	3.547	2.9	21.8
5 11	13 52.99	− 8 19.5	2.593	3.552	6.0	22.0
5 21	13 47.16	− 7 54.9	2.661	3.557	8.8	22.2
5 31	13 42.83	− 7 39.5	2.753	3.561	11.2	22.4

149872 2005 QL_{140} 4 23.6 207°.50 0°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.17	−14 10.1	2.883	3.725	9.3	21.7
4 1	14 21.03	−13 46.7	2.796	3.720	6.8	21.5
4 11	14 14.60	−13 16.6	2.736	3.714	3.9	21.3
4 21	14 7.38	−12 41.7	2.704	3.708	0.8	21.0
5 1	13 59.97	−12 5.1	2.702	3.701	2.4	21.2
5 11	13 53.02	−11 30.2	2.730	3.695	5.4	21.4
5 21	13 47.07	−11 0.0	2.785	3.687	8.2	21.5
5 31	13 42.52	−10 37.2	2.864	3.680	10.7	21.7

228339 2000 SL_{100} 4 23.6 201°.67 5°.2/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.19	−29 24.6	2.372	3.152	13.0	21.1
4 1	14 26.63	−29 53.4	2.280	3.148	10.6	21.0
4 11	14 18.05	−30 5.9	2.211	3.144	8.0	20.8
4 21	14 8.13	−30 0.5	2.169	3.139	5.8	20.6
5 1	13 57.80	−29 37.9	2.154	3.133	5.3	20.6
5 11	13 48.09	−29 1.6	2.168	3.126	7.0	20.7
5 21	13 39.86	−28 16.9	2.208	3.119	9.6	20.8
5 31	13 33.74	−27 29.9	2.272	3.112	12.3	21.0

95246 2002 CB_{52} 4 23.6 349°.42 0°.5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.83	−15 37.2	1.804	2.664	13.1	18.4
4 1	14 20.74	−15 21.3	1.726	2.658	9.7	18.1
4 11	14 14.70	−14 54.3	1.672	2.652	5.7	17.9
4 21	14 7.42	−14 18.9	1.643	2.647	1.4	17.6
5 1	13 59.85	−13 39.5	1.641	2.642	3.1	17.7
5 11	13 52.97	−13 1.4	1.665	2.638	7.4	18.0
5 21	13 47.61	−12 29.7	1.714	2.636	11.3	18.2
5 31	13 44.37	−12 8.4	1.784	2.633	14.7	18.4

29917 1999 JP_{19} 4 23.6 171°.33 1°.4/24.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.11	−18 9.0	2.567	3.397	10.7	18.4
4 1	14 23.30	−18 10.3	2.486	3.399	8.0	18.2
4 11	14 15.96	−18 2.4	2.430	3.401	4.9	18.0
4 21	14 7.67	−17 46.4	2.402	3.403	1.9	17.8
5 1	13 59.17	−17 24.8	2.404	3.404	2.5	17.8
5 11	13 51.24	−17 0.7	2.436	3.405	5.6	18.0
5 21	13 44.50	−16 37.7	2.494	3.406	8.6	18.2
5 31	13 39.44	−16 19.2	2.576	3.406	11.3	18.4

377697 2005 WL_{1} 4 23.6 169°.38 11°.2/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 48.18	−32 4.0	1.318	2.106	21.1	20.7
4 1	14 39.51	−34 11.4	1.245	2.109	17.8	20.4
4 11	14 26.43	−35 56.0	1.193	2.112	14.4	20.2
4 21	14 10.01	−37 7.2	1.163	2.115	11.8	20.1
5 1	13 52.30	−37 38.0	1.157	2.116	11.3	20.0
5 11	13 35.81	−37 30.9	1.176	2.117	13.3	20.2
5 21	13 22.62	−36 56.5	1.216	2.117	16.5	20.3
5 31	13 13.94	−36 9.0	1.276	2.117	19.8	20.6

100626 1997 UE_{2} 4 23.6 100°.88 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.86	−14 2.4	1.969	2.816	12.8	19.3
4 1	14 26.12	−13 47.5	1.915	2.841	9.3	19.1
4 11	14 17.56	−13 24.0	1.886	2.865	5.3	18.9
4 21	14 8.00	−12 54.7	1.884	2.888	1.1	18.6
5 1	13 58.42	−12 23.5	1.911	2.911	3.1	18.8
5 11	13 49.78	−11 55.0	1.967	2.933	7.0	19.1
5 21	13 42.80	−11 33.0	2.048	2.955	10.5	19.4
5 31	13 37.93	−11 20.3	2.152	2.976	13.4	19.6

465922 2010 VC_{220} 4 23.6 240°.14 0°.4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.53	−14 35.4	1.788	2.639	13.7	21.9
4 1	14 26.46	−14 30.8	1.701	2.628	10.1	21.6
4 11	14 18.09	−14 16.4	1.638	2.617	6.0	21.3
4 21	14 8.17	−13 53.9	1.601	2.605	1.4	21.0
5 1	13 57.79	−13 27.1	1.593	2.593	3.4	21.1
5 11	13 48.12	−13 0.8	1.611	2.580	8.0	21.4
5 21	13 40.14	−12 39.9	1.655	2.567	12.2	21.6
5 31	13 34.58	−12 28.6	1.720	2.554	15.8	21.8

368221 2001 TF_{80} 4 23.6 146°.81 0°.5/23.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.32	−13 58.7	2.525	3.367	10.5	22.4
4 1	14 23.31	−13 12.6	2.457	3.381	7.6	22.2
4 11	14 15.89	−12 18.4	2.415	3.394	4.3	22.0
4 21	14 7.66	−11 19.6	2.403	3.407	0.9	21.8
5 1	13 59.36	−10 20.3	2.420	3.418	2.8	22.0
5 11	13 51.73	− 9 25.3	2.468	3.428	6.1	22.2
5 21	13 45.32	− 8 38.3	2.542	3.438	9.1	22.4
5 31	13 40.58	− 8 2.2	2.641	3.447	11.7	22.6

233161 2005 UQ_{442} 4 23.6 75°.24 4°.7/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 33.36	−24 31.7	1.736	2.557	15.4	19.8
4 1	14 27.13	−25 9.4	1.665	2.564	12.1	19.6
4 11	14 18.47	−25 30.3	1.616	2.571	8.5	19.4
4 21	14 8.24	−25 33.1	1.592	2.578	5.4	19.2
5 1	13 57.66	−25 19.0	1.594	2.585	5.1	19.2
5 11	13 47.99	−24 52.6	1.623	2.592	7.9	19.4
5 21	13 40.26	−24 20.4	1.677	2.600	11.4	19.6
5 31	13 35.13	−23 48.9	1.753	2.607	14.7	19.8

336311 2008 TU_{38} 4 23.6 162°.72 1°.2/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.42	−17 59.0	2.287	3.122	11.7	21.2
4 1	14 23.66	−17 48.1	2.209	3.126	8.7	21.0
4 11	14 16.22	−17 26.6	2.157	3.130	5.3	20.8
4 21	14 7.75	−16 56.3	2.132	3.133	1.9	20.6
5 1	13 59.09	−16 20.2	2.136	3.136	2.7	20.6
5 11	13 51.08	−15 42.8	2.169	3.139	6.2	20.8
5 21	13 44.43	−15 8.3	2.228	3.141	9.5	21.1
5 31	13 39.63	−14 40.5	2.311	3.143	12.3	21.2

122636 2000 RZ_{81} 4 23.6 175°.79 3°.8/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.44	−28 2.8	2.645	3.430	11.7	20.8
4 1	14 24.30	−27 54.3	2.557	3.434	9.3	20.6
4 11	14 16.55	−27 30.1	2.494	3.436	6.7	20.5
4 21	14 7.82	−26 50.5	2.458	3.438	4.4	20.3
5 1	13 58.90	−25 57.7	2.451	3.439	3.9	20.3
5 11	13 50.61	−24 56.2	2.474	3.439	5.8	20.4
5 21	13 43.62	−23 51.2	2.524	3.439	8.4	20.6
5 31	13 38.41	−22 48.2	2.599	3.437	10.9	20.7

297514 2000 YB_{89} 4 23.6 151°.46 0°.5/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.55	−12 33.0	3.165	4.009	8.5	22.0
4 1	14 20.42	−12 2.4	3.093	4.018	6.1	21.8
4 11	14 14.18	−11 26.7	3.047	4.027	3.5	21.7
4 21	14 7.31	−10 48.0	3.031	4.035	0.8	21.5
5 1	14 0.36	−10 9.3	3.045	4.043	2.3	21.6
5 11	13 53.88	− 9 33.6	3.090	4.050	5.1	21.8
5 21	13 48.31	− 9 3.6	3.161	4.057	7.6	22.0
5 31	13 44.01	− 8 41.3	3.258	4.063	9.7	22.1

39979 1998 HT_{12} 4 23.6 77°.70 12°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 42.09	+19 5.6	1.475	2.306	17.2	17.6
4 1	14 32.91	+19 42.3	1.450	2.331	14.8	17.5
4 11	14 21.38	+19 53.3	1.446	2.356	13.1	17.4
4 21	14 8.77	+19 32.0	1.465	2.381	12.8	17.5
5 1	13 56.53	+18 36.3	1.508	2.405	13.9	17.6
5 11	13 45.94	+17 9.7	1.575	2.429	15.8	17.8
5 21	13 37.83	+15 18.7	1.661	2.453	18.0	18.0
5 31	13 32.59	+13 10.8	1.766	2.477	19.9	18.2

303729 2005 QM_{43} 4 23.6 261°.05 4°.7/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.14	−29 6.3	2.437	3.226	12.5	20.9
4 1	14 22.92	−29 17.7	2.340	3.215	10.1	20.7
4 11	14 15.91	−29 12.7	2.266	3.204	7.6	20.5
4 21	14 7.72	−28 50.6	2.218	3.192	5.3	20.4
5 1	13 59.17	−28 13.0	2.198	3.181	4.8	20.3
5 11	13 51.17	−27 23.5	2.205	3.169	6.5	20.4
5 21	13 44.49	−26 27.5	2.238	3.157	9.2	20.6
5 31	13 39.70	−25 30.9	2.296	3.145	11.8	20.7

8040 Utsumikazuhiko 4 23.6 167°.76 0°.3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.12	−14 41.2	2.122	2.970	12.0	18.5
4 1	14 23.49	−13 57.0	2.047	2.974	8.7	18.3
4 11	14 16.13	−13 2.6	1.998	2.978	5.0	18.1
4 21	14 7.74	−12 1.5	1.977	2.981	1.0	17.8
5 1	13 59.18	−10 59.0	1.985	2.984	3.1	18.0
5 11	13 51.35	−10 0.5	2.021	2.986	7.0	18.2
5 21	13 44.93	− 9 10.9	2.084	2.987	10.5	18.4
5 31	13 40.45	− 8 33.8	2.169	2.988	13.5	18.6

268937 2007 DX_{23} 4 23.6 331°.70 1°.0/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.34	−16 32.1	1.458	2.323	15.4	20.8
4 1	14 23.05	−16 22.7	1.379	2.312	11.5	20.5
4 11	14 16.27	−15 59.2	1.322	2.302	6.9	20.2
4 21	14 7.82	−15 24.0	1.289	2.292	2.0	19.9
5 1	13 58.89	−14 41.9	1.282	2.283	3.7	20.0
5 11	13 50.81	−13 59.8	1.299	2.275	8.7	20.2
5 21	13 44.64	−13 24.1	1.340	2.267	13.3	20.5
5 31	13 41.13	−13 0.4	1.400	2.260	17.3	20.7

272720 2005 YS_{52} 4 23.6 114°.72 1°.2/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.33	−18 29.7	1.997	2.837	12.9	20.9
4 1	14 23.70	−18 3.9	1.930	2.850	9.6	20.7
4 11	14 16.27	−17 25.2	1.888	2.862	5.8	20.5
4 21	14 7.77	−16 36.5	1.872	2.874	1.9	20.3
5 1	13 59.14	−15 42.1	1.885	2.885	2.9	20.4
5 11	13 51.34	−14 47.7	1.925	2.896	6.7	20.6
5 21	13 45.08	−13 58.7	1.992	2.907	10.3	20.9
5 31	13 40.87	−13 19.4	2.081	2.918	13.3	21.1

464724 2002 TR_{107} 4 23.6 233°.64 1°.1/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.79	−16 56.6	1.976	2.817	13.0	22.4
4 1	14 25.78	−16 47.1	1.884	2.805	9.7	22.2
4 11	14 17.64	−16 26.1	1.817	2.792	5.9	21.9
4 21	14 8.09	−15 55.2	1.776	2.779	1.8	21.6
5 1	13 58.11	−15 17.8	1.764	2.765	3.1	21.7
5 11	13 48.77	−14 39.0	1.780	2.750	7.3	21.9
5 21	13 40.98	−14 3.9	1.822	2.734	11.2	22.1
5 31	13 35.39	−13 37.2	1.886	2.719	14.7	22.3

127126 2002 GW_{102} 4 23.6 80°.47 5°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.30	− 0 38.1	1.808	2.683	12.4	19.4
4 1	14 22.27	+ 0 35.3	1.756	2.692	9.2	19.2
4 11	14 15.45	+ 1 47.2	1.728	2.701	6.4	19.0
4 21	14 7.60	+ 2 50.6	1.727	2.710	5.5	19.0
5 1	13 59.65	+ 3 39.1	1.752	2.719	7.5	19.1
5 11	13 52.54	+ 4 8.4	1.803	2.728	10.5	19.3
5 21	13 46.98	+ 4 17.0	1.877	2.737	13.5	19.5
5 31	13 43.45	+ 4 5.4	1.970	2.746	16.1	19.7

87543 2000 QA_{215} 4 23.6 206°.02 1°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.19	− 9 40.8	2.154	3.011	11.4	20.4
4 1	14 23.57	− 9 4.8	2.075	3.007	8.2	20.1
4 11	14 16.21	− 8 22.9	2.021	3.002	4.7	19.9
4 21	14 7.78	− 7 38.9	1.995	2.997	1.7	19.7
5 1	13 59.10	− 6 57.3	1.998	2.991	3.9	19.8
5 11	13 51.06	− 6 22.6	2.029	2.985	7.6	20.1
5 21	13 44.38	− 5 58.3	2.085	2.978	11.0	20.3
5 31	13 39.58	− 5 46.8	2.164	2.971	13.9	20.4

304058 2006 FH_{3} 4 23.6 37°.24 1°.3/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.01	−12 41.6	1.211	2.092	16.9	20.3
4 1	14 24.33	−12 1.3	1.156	2.099	12.2	20.1
4 11	14 16.95	−11 8.5	1.122	2.107	6.9	19.8
4 21	14 7.94	−10 9.1	1.111	2.115	1.6	19.5
5 1	13 58.72	− 9 11.2	1.125	2.124	4.9	19.7
5 11	13 50.73	− 8 23.3	1.162	2.133	10.2	20.0
5 21	13 45.01	− 7 51.3	1.222	2.142	14.9	20.3
5 31	13 42.16	− 7 38.3	1.299	2.152	18.9	20.6

179190 2001 TS_{154} 4 23.6 295°.92 2°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 20.41	− 1 24.7	4.163	5.023	6.3	19.7
4 1	14 16.57	− 0 57.9	4.087	5.017	4.6	19.6
4 11	14 11.95	− 0 31.7	4.039	5.012	3.0	19.4
4 21	14 6.87	− 0 8.5	4.019	5.007	2.4	19.4
5 1	14 1.69	+ 0 9.7	4.030	5.001	3.4	19.5
5 11	13 56.81	+ 0 21.3	4.069	4.996	5.1	19.6
5 21	13 52.53	+ 0 25.2	4.134	4.991	6.8	19.7
5 31	13 49.13	+ 0 20.8	4.223	4.986	8.3	19.8

26620 Yihuali 4 23.6 268°.34 0°.8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.81	−12 19.5	2.147	3.004	11.5	19.4
4 1	14 21.93	−11 45.6	2.060	2.992	8.3	19.1
4 11	14 15.32	−11 3.6	1.998	2.979	4.7	18.9
4 21	14 7.60	−10 16.8	1.963	2.967	1.1	18.6
5 1	13 59.59	− 9 29.5	1.957	2.954	3.4	18.7
5 11	13 52.14	− 8 46.9	1.978	2.941	7.2	19.0
5 21	13 46.00	− 8 13.0	2.025	2.928	10.8	19.1
5 31	13 41.71	− 7 51.1	2.094	2.915	13.8	19.3

284763 2008 WL_{68} 4 23.6 226°.16 0°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.64	−14 49.5	1.823	2.673	13.6	22.3
4 1	14 26.50	−14 13.9	1.733	2.660	10.0	22.1
4 11	14 18.10	−13 25.9	1.667	2.647	5.8	21.8
4 21	14 8.21	−12 28.6	1.628	2.632	1.2	21.4
5 1	13 57.87	−11 27.5	1.618	2.617	3.6	21.6
5 11	13 48.24	−10 29.2	1.635	2.601	8.2	21.8
5 21	13 40.29	− 9 39.8	1.678	2.584	12.5	22.0
5 31	13 34.70	− 9 4.1	1.742	2.565	16.1	22.2

206370 2003 QU_{86} 4 23.6 324°.72 4°.6/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.25	−23 14.4	1.244	2.098	18.3	19.7
4 1	14 24.27	−23 29.6	1.164	2.085	14.3	19.4
4 11	14 17.25	−23 22.6	1.104	2.073	9.8	19.1
4 21	14 8.08	−22 52.6	1.066	2.061	5.5	18.9
5 1	13 58.21	−22 2.6	1.051	2.050	5.3	18.8
5 11	13 49.31	−21 0.7	1.060	2.039	9.6	19.0
5 21	13 42.75	−19 57.0	1.090	2.029	14.6	19.2
5 31	13 39.41	−19 1.2	1.139	2.021	19.0	19.5

451043 2008 YB_{2} 4 23.6 50°.44 3°.0/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 50.90	− 2 3.3	1.077	1.941	19.8	19.9
4 1	14 39.87	− 3 19.1	1.045	1.977	14.4	19.7
4 11	14 25.57	− 4 39.8	1.035	2.015	8.4	19.5
4 21	14 9.67	− 6 4.5	1.051	2.052	3.3	19.3
5 1	13 54.22	− 7 31.1	1.094	2.090	5.9	19.6
5 11	13 41.06	− 8 57.8	1.165	2.128	11.1	20.0
5 21	13 31.27	−10 23.6	1.258	2.166	15.6	20.3
5 31	13 25.28	−11 48.8	1.372	2.203	19.2	20.7

377739 2005 XB_{33} 4 23.6 255°.55 3°.9/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.58	− 3 41.9	1.874	2.743	12.4	21.2
4 1	14 24.11	− 2 59.1	1.796	2.732	9.1	21.0
4 11	14 16.64	− 2 14.8	1.742	2.720	5.7	20.7
4 21	14 7.90	− 1 34.1	1.714	2.708	4.0	20.6
5 1	13 58.83	− 1 2.6	1.715	2.696	6.1	20.7
5 11	13 50.44	− 0 44.7	1.741	2.684	9.6	20.9
5 21	13 43.56	− 0 43.0	1.792	2.671	13.1	21.1
5 31	13 38.81	− 0 58.2	1.863	2.658	16.2	21.2

388835 2008 DK_{54} 4 23.6 24°.72 8°.1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.37	+ 9 23.7	2.063	2.928	11.5	20.3
4 1	14 20.04	+10 58.2	2.017	2.932	9.5	20.2
4 11	14 14.14	+12 23.1	1.996	2.935	8.3	20.1
4 21	14 7.35	+13 31.4	2.001	2.939	8.5	20.1
5 1	14 0.45	+14 17.5	2.031	2.944	10.0	20.2
5 11	13 54.25	+14 38.6	2.084	2.948	12.1	20.4
5 21	13 49.37	+14 34.9	2.158	2.953	14.3	20.5
5 31	13 46.24	+14 8.4	2.250	2.958	16.2	20.7

373950 2003 WT_{24} 4 23.6 106°.59 12°.4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.84	−42 25.3	1.141	1.908	24.9	20.3
4 1	14 30.31	−42 39.8	1.079	1.920	21.6	20.1
4 11	14 20.79	−42 7.9	1.031	1.931	18.0	19.9
4 21	14 8.79	−40 43.4	1.000	1.941	14.5	19.8
5 1	13 56.55	−38 28.2	0.991	1.952	12.5	19.7
5 11	13 46.29	−35 36.2	1.004	1.962	13.0	19.7
5 21	13 39.46	−32 27.7	1.039	1.972	15.8	19.9
5 31	13 36.69	−29 23.8	1.094	1.981	19.2	20.2

112138 2002 JE_{58} 4 23.6 326°.78 2°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.08	− 7 38.6	1.227	2.112	16.4	18.9
4 1	14 25.42	− 7 28.8	1.152	2.097	12.0	18.6
4 11	14 17.83	− 7 14.5	1.099	2.084	7.0	18.3
4 21	14 8.21	− 7 0.3	1.068	2.071	2.8	18.0
5 1	13 57.96	− 6 51.8	1.062	2.058	5.8	18.2
5 11	13 48.66	− 6 54.5	1.079	2.047	11.2	18.4
5 21	13 41.58	− 7 12.0	1.118	2.037	16.2	18.7
5 31	13 37.58	− 7 45.8	1.174	2.027	20.5	18.9

297802 2001 YB_{145} 4 23.6 133°.50 0°.8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.92	−16 42.7	1.653	2.502	14.7	21.4
4 1	14 26.64	−16 20.1	1.588	2.513	10.8	21.2
4 11	14 18.10	−15 44.2	1.546	2.524	6.4	20.9
4 21	14 8.20	−14 57.9	1.531	2.534	1.7	20.7
5 1	13 58.13	−14 6.5	1.543	2.544	3.4	20.8
5 11	13 49.07	−13 16.7	1.582	2.553	8.0	21.1
5 21	13 41.93	−12 34.3	1.646	2.561	12.1	21.4
5 31	13 37.29	−12 3.9	1.731	2.569	15.6	21.6

32449 Crystalmiller 4 23.6 10°.60 7°.3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.71	−29 51.6	1.198	2.031	20.2	17.7
4 1	14 23.89	−30 7.2	1.132	2.032	16.4	17.5
4 11	14 16.97	−29 51.9	1.083	2.034	12.3	17.3
4 21	14 8.01	−29 4.1	1.056	2.037	8.5	17.0
5 1	13 58.62	−27 47.4	1.051	2.040	7.4	17.0
5 11	13 50.50	−26 12.0	1.068	2.045	10.0	17.1
5 21	13 44.91	−24 30.9	1.108	2.050	14.1	17.4
5 31	13 42.60	−22 56.6	1.167	2.056	18.1	17.6

341420 2007 TH_{201} 4 23.6 114°.38 0°.2/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.99	−15 11.8	2.403	3.247	10.9	22.0
4 1	14 22.47	−14 48.0	2.338	3.261	7.9	21.9
4 11	14 15.48	−14 15.9	2.298	3.276	4.6	21.7
4 21	14 7.64	−13 38.1	2.286	3.289	1.0	21.4
5 1	13 59.71	−12 58.1	2.303	3.303	2.6	21.6
5 11	13 52.45	−12 20.0	2.349	3.316	6.0	21.8
5 21	13 46.45	−11 47.5	2.422	3.329	9.1	22.0
5 31	13 42.14	−11 23.4	2.518	3.341	11.7	22.2

316818 1999 VG_{209} 4 23.6 206°.97 0°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.47	−16 48.5	2.182	3.023	12.0	21.1
4 1	14 23.84	−16 36.9	2.099	3.019	8.9	20.9
4 11	14 16.42	−16 15.1	2.040	3.015	5.3	20.7
4 21	14 7.86	−15 44.8	2.009	3.011	1.6	20.4
5 1	13 59.03	−15 9.5	2.006	3.007	2.8	20.5
5 11	13 50.84	−14 33.4	2.032	3.002	6.5	20.7
5 21	13 44.02	−14 1.1	2.084	2.997	10.0	20.9
5 31	13 39.14	−13 36.5	2.159	2.991	13.1	21.1

311188 2004 XX_{16} 4 23.6 186°.87 1°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.50	− 9 50.9	1.805	2.664	13.2	21.3
4 1	14 26.24	− 9 17.8	1.731	2.664	9.6	21.0
4 11	14 17.86	− 8 37.9	1.682	2.664	5.5	20.8
4 21	14 8.17	− 7 55.5	1.660	2.663	1.9	20.6
5 1	13 58.21	− 7 15.6	1.666	2.661	4.4	20.7
5 11	13 49.07	− 6 43.6	1.699	2.658	8.6	21.0
5 21	13 41.62	− 6 23.5	1.758	2.655	12.5	21.2
5 31	13 36.47	− 6 17.5	1.837	2.651	15.7	21.4

69272 1989 SC_2 4 23.6 221°.36 0°.9/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 35.25	−15 20.6	1.890	2.731	13.5	19.9
4 1	14 28.39	−15 29.3	1.801	2.722	10.0	19.7
4 11	14 19.22	−15 28.7	1.736	2.712	6.0	19.4
4 21	14 8.48	−15 19.8	1.699	2.702	1.7	19.1
5 1	13 57.26	−15 5.2	1.690	2.691	3.3	19.2
5 11	13 46.73	−14 48.9	1.710	2.679	7.7	19.5
5 21	13 37.88	−14 35.5	1.756	2.666	11.7	19.7
5 31	13 31.44	−14 28.9	1.823	2.653	15.2	19.9

138755 2000 SL_{272} 4 23.6 176°.33 0°.2/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.66	−15 41.4	2.334	3.181	11.0	19.7
4 1	14 20.93	−15 7.3	2.256	3.181	8.1	19.5
4 11	14 14.67	−14 23.7	2.203	3.182	4.7	19.3
4 21	14 7.49	−13 33.2	2.178	3.182	1.1	19.1
5 1	14 0.13	−12 40.2	2.182	3.182	2.7	19.2
5 11	13 53.37	−11 49.2	2.214	3.182	6.2	19.4
5 21	13 47.83	−11 4.8	2.272	3.182	9.5	19.6
5 31	13 43.98	−10 30.2	2.354	3.182	12.3	19.8

138737 2000 SX_{201} 4 23.6 165°.63 0°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.59	−12 59.0	2.739	3.585	9.6	21.2
4 1	14 21.37	−12 33.6	2.663	3.589	7.0	21.0
4 11	14 14.84	−12 1.9	2.613	3.592	4.0	20.8
4 21	14 7.53	−11 26.4	2.591	3.595	0.8	20.6
5 1	14 0.07	−10 50.3	2.600	3.598	2.6	20.7
5 11	13 53.14	−10 17.0	2.637	3.600	5.7	20.9
5 21	13 47.27	− 9 49.6	2.702	3.602	8.5	21.1
5 31	13 42.88	− 9 30.5	2.790	3.604	10.9	21.3

143633 2003 HX_{53} 4 23.6 354°.42 0°.2/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.57	−13 54.8	1.964	2.824	12.3	20.2
4 1	14 21.12	−13 29.1	1.889	2.821	8.9	19.9
4 11	14 14.89	−12 54.1	1.838	2.819	5.1	19.7
4 21	14 7.56	−12 13.1	1.814	2.818	1.0	19.4
5 1	14 0.00	−11 30.4	1.817	2.817	3.2	19.6
5 11	13 53.11	−10 51.3	1.847	2.816	7.2	19.8
5 21	13 47.64	−10 20.0	1.903	2.816	10.8	20.0
5 31	13 44.11	− 9 59.8	1.980	2.816	13.9	20.2

377404 2004 TQ_{35} 4 23.6 139°.35 1°.0/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.41	−16 59.7	2.198	3.036	12.0	21.9
4 1	14 24.41	−16 48.6	2.127	3.046	8.8	21.8
4 11	14 16.68	−16 27.3	2.080	3.055	5.3	21.6
4 21	14 7.93	−15 57.9	2.061	3.064	1.7	21.3
5 1	13 59.02	−15 23.5	2.072	3.072	2.7	21.4
5 11	13 50.82	−14 48.7	2.110	3.080	6.4	21.7
5 21	13 44.05	−14 17.7	2.175	3.087	9.7	21.9
5 31	13 39.21	−13 54.0	2.264	3.094	12.6	22.1

428900 2008 UP_{359} 4 23.6 274°.26 2°.2/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.46	−20 21.7	1.952	2.789	13.3	21.3
4 1	14 23.36	−20 14.5	1.868	2.784	10.1	21.0
4 11	14 16.25	−19 53.2	1.808	2.778	6.4	20.8
4 21	14 7.87	−19 19.2	1.774	2.773	2.9	20.6
5 1	13 59.15	−18 35.8	1.768	2.767	3.2	20.6
5 11	13 51.13	−17 48.4	1.789	2.762	6.9	20.8
5 21	13 44.65	−17 2.6	1.835	2.757	10.7	21.0
5 31	13 40.31	−16 23.8	1.904	2.751	14.0	21.2

341358 2007 TS_{66} 4 23.6 180°.94 4°.0/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.73	−28 56.1	2.775	3.557	11.3	21.3
4 1	14 23.08	−28 54.0	2.686	3.558	9.1	21.1
4 11	14 15.89	−28 36.8	2.621	3.558	6.7	21.0
4 21	14 7.77	−28 4.5	2.583	3.558	4.6	20.8
5 1	13 59.44	−27 19.0	2.574	3.558	4.1	20.8
5 11	13 51.68	−26 24.3	2.593	3.557	5.7	20.9
5 21	13 45.12	−25 25.0	2.640	3.555	8.1	21.0
5 31	13 40.24	−24 26.4	2.712	3.553	10.5	21.2

461618 2005 AY_{66} 4 23.6 154°.02 3°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.70	− 5 49.2	1.918	2.781	12.4	22.2
4 1	14 25.41	− 4 51.4	1.856	2.790	8.9	22.0
4 11	14 17.27	− 3 50.4	1.820	2.799	5.4	21.8
4 21	14 8.05	− 2 51.7	1.811	2.807	3.4	21.7
5 1	13 58.71	− 2 1.3	1.831	2.814	5.5	21.8
5 11	13 50.22	− 1 24.0	1.878	2.821	9.0	22.0
5 21	13 43.33	− 1 2.8	1.950	2.826	12.4	22.2
5 31	13 38.53	− 0 58.5	2.042	2.831	15.2	22.5

236660 2006 KQ_{117} 4 23.6 294°.66 0°.5/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.99	−15 4.9	1.935	2.787	12.8	20.6
4 1	14 23.67	−14 56.1	1.857	2.784	9.4	20.4
4 11	14 16.40	−14 37.6	1.803	2.782	5.5	20.1
4 21	14 7.90	−14 11.8	1.776	2.779	1.4	19.9
5 1	13 59.11	−13 42.1	1.776	2.777	3.1	20.0
5 11	13 51.03	−13 13.3	1.804	2.775	7.2	20.2
5 21	13 44.46	−12 49.7	1.857	2.772	10.9	20.4
5 31	13 40.00	−12 35.0	1.932	2.770	14.2	20.6

390833 2004 PH_{88} 4 23.6 270°.27 4°.3/27.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.02	−27 32.9	2.479	3.275	12.1	21.5
4 1	14 22.82	−27 47.6	2.384	3.265	9.7	21.3
4 11	14 15.88	−27 47.4	2.313	3.255	7.1	21.1
4 21	14 7.80	−27 31.7	2.267	3.245	4.9	20.9
5 1	13 59.37	−27 2.1	2.250	3.235	4.4	20.9
5 11	13 51.47	−26 21.9	2.260	3.225	6.3	21.0
5 21	13 44.83	−25 36.0	2.296	3.215	9.0	21.1
5 31	13 40.03	−24 49.8	2.357	3.205	11.6	21.3

508806 2000 TK_{50} 4 23.6 246°.51 2°.8/20.8 18

3 22	14 29.11	− 6 9.6	2.389	3.246	10.4	22.5
4 1	14 23.50	− 5 16.1	2.293	3.225	7.6	22.3
4 11	14 16.23	− 4 18.2	2.223	3.202	4.6	22.1
4 21	14 7.87	− 3 20.3	2.182	3.179	2.8	21.9
5 1	13 59.17	− 2 27.3	2.171	3.154	4.8	22.0
5 11	13 50.94	− 1 44.0	2.188	3.129	8.0	22.1
5 21	13 43.87	− 1 13.7	2.231	3.103	11.2	22.3
5 31	13 38.52	− 0 58.5	2.296	3.077	14.0	22.4

499063 2009 DE_{128} 4 23.6 152°.39 1°.5/21.9 17

3 22	14 26.43	− 9 50.9	2.603	3.458	9.8	22.1
4 1	14 21.27	− 9 3.3	2.534	3.465	7.0	21.9
4 11	14 14.79	− 8 10.8	2.491	3.472	4.0	21.7
4 21	14 7.55	− 7 16.8	2.477	3.478	1.6	21.6
5 1	14 0.20	− 6 25.6	2.492	3.484	3.4	21.7
5 11	13 53.41	− 5 41.0	2.537	3.490	6.4	21.9
5 21	13 47.73	− 5 6.2	2.608	3.495	9.2	22.1
5 31	13 43.57	− 4 43.2	2.702	3.500	11.7	22.3

434924 2006 TP_{100} 4 23.6 104°.11 1°.0/24.7 17

3 22	14 25.95	−18 58.1	2.410	3.246	11.1	21.3
4 1	14 21.06	−18 19.4	2.340	3.257	8.2	21.1
4 11	14 14.71	−17 29.1	2.295	3.268	5.0	20.9
4 21	14 7.53	−16 30.0	2.277	3.279	1.7	20.7
5 1	14 0.26	−15 26.4	2.289	3.290	2.5	20.8
5 11	13 53.63	−14 23.3	2.329	3.300	5.8	21.0
5 21	13 48.23	−13 25.4	2.397	3.310	8.9	21.2
5 31	13 44.50	−12 36.7	2.488	3.321	11.6	21.4

30387 2000 KN_{16} 4 23.6 186°.94 3°.1/26.8 18

3 22	14 29.66	−25 24.6	2.161	2.972	13.1	18.8
4 1	14 24.04	−24 54.9	2.075	2.971	10.2	18.6
4 11	14 16.56	−24 7.1	2.013	2.971	6.9	18.4
4 21	14 7.94	−23 2.6	1.978	2.969	3.9	18.2
5 1	13 59.10	−21 45.3	1.971	2.967	3.6	18.2
5 11	13 50.99	−20 21.6	1.993	2.965	6.5	18.4
5 21	13 44.39	−18 58.6	2.042	2.962	9.8	18.5
5 31	13 39.82	−17 42.7	2.115	2.958	12.9	18.7

7538 Zenbei 4 23.6 193°.12 0°.7/23.0 18

3 22	14 30.97	−13 23.4	1.951	2.803	12.7	18.4
4 1	14 25.05	−12 43.5	1.872	2.801	9.2	18.2
4 11	14 17.18	−11 53.7	1.819	2.799	5.3	18.0
4 21	14 8.08	−10 57.6	1.792	2.796	1.1	17.7
5 1	13 58.73	−10 0.5	1.794	2.792	3.6	17.8
5 11	13 50.12	− 9 8.3	1.825	2.788	7.7	18.1
5 21	13 43.07	− 8 25.9	1.880	2.783	11.5	18.3
5 31	13 38.14	− 7 56.9	1.958	2.777	14.7	18.5

381557 2008 TU_{98} 4 23.6 286°.88 0°.2/23.7 17

3 22	14 28.87	−14 28.3	1.824	2.681	13.2	21.3
4 1	14 23.75	−14 13.8	1.741	2.671	9.7	21.1
4 11	14 16.54	−13 49.2	1.682	2.662	5.7	20.8
4 21	14 7.97	−13 17.1	1.649	2.653	1.3	20.5
5 1	13 59.02	−12 41.6	1.643	2.644	3.3	20.6
5 11	13 50.77	−12 7.9	1.665	2.635	7.7	20.9
5 21	13 44.10	−11 41.0	1.711	2.626	11.7	21.1
5 31	13 39.65	−11 24.6	1.778	2.617	15.2	21.3

87909 2000 SH_{312} 4 23.6 281°.93 7°.9/30.2 18

3 22	14 30.17	−34 58.4	1.862	2.634	16.3	18.9
4 1	14 25.15	−35 21.3	1.763	2.617	13.9	18.7
4 11	14 17.57	−35 19.5	1.685	2.600	11.2	18.5
4 21	14 8.22	−34 49.8	1.628	2.583	8.8	18.3
5 1	13 58.27	−33 52.3	1.597	2.566	7.9	18.2
5 11	13 49.06	−32 32.1	1.591	2.548	9.2	18.3
5 21	13 41.72	−30 57.7	1.610	2.531	11.9	18.4
5 31	13 37.05	−29 19.3	1.651	2.514	15.0	18.5

50447 2000 DQ_{37} 4 23.6 163°.88 0°.8/24.3 18

3 22	14 31.53	−17 2.4	2.082	2.921	12.5	20.6
4 1	14 25.34	−16 42.0	2.007	2.927	9.2	20.4
4 11	14 17.29	−16 10.4	1.957	2.932	5.5	20.1
4 21	14 8.11	−15 29.8	1.934	2.936	1.6	19.9
5 1	13 58.73	−14 44.1	1.940	2.940	2.9	20.0
5 11	13 50.11	−13 58.7	1.975	2.944	6.8	20.2
5 21	13 43.01	−13 18.2	2.036	2.946	10.4	20.5
5 31	13 37.96	−12 46.9	2.119	2.948	13.4	20.7

171778 2001 BG_{24} 4 23.6 141°.57 4°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.85	− 3 49.2	1.765	2.635	13.0	20.8
4 1	14 24.93	− 2 44.2	1.708	2.644	9.4	20.6
4 11	14 17.06	− 1 37.6	1.675	2.653	6.0	20.4
4 21	14 8.06	− 0 36.1	1.669	2.661	4.4	20.3
5 1	13 58.94	+ 0 14.0	1.691	2.669	6.5	20.5
5 11	13 50.72	+ 0 47.7	1.739	2.676	10.0	20.7
5 21	13 44.18	+ 1 2.6	1.810	2.683	13.4	20.9
5 31	13 39.84	+ 0 58.4	1.902	2.689	16.2	21.1

477994 2011 SM_{127} 4 23.6 191°.96 0°.3/23.4 17

3 22	14 27.02	−13 5.4	2.787	3.632	9.5	22.2
4 1	14 21.72	−12 46.5	2.705	3.630	6.9	22.0
4 11	14 15.09	−12 21.5	2.649	3.628	4.0	21.8
4 21	14 7.64	−11 52.5	2.622	3.626	0.8	21.5
5 1	14 0.02	−11 22.5	2.625	3.623	2.5	21.7
5 11	13 52.89	−10 54.7	2.657	3.620	5.6	21.9
5 21	13 46.79	−10 32.0	2.716	3.617	8.4	22.0
5 31	13 42.16	−10 16.8	2.799	3.614	10.9	22.2

311249 2005 EO_{20} 4 23.6 94°.56 2°.6/21.7 18

3 22	14 30.91	− 8 59.0	1.520	2.392	14.6	20.7
4 1	14 25.21	− 8 8.5	1.466	2.405	10.4	20.5
4 11	14 17.30	− 7 11.4	1.435	2.418	6.0	20.3
4 21	14 8.11	− 6 13.7	1.429	2.431	2.6	20.1
5 1	13 58.83	− 5 22.4	1.451	2.443	5.3	20.3
5 11	13 50.60	− 4 43.6	1.498	2.456	9.6	20.6
5 21	13 44.31	− 4 21.0	1.568	2.468	13.5	20.8
5 31	13 40.47	− 4 16.2	1.659	2.480	16.9	21.1

502906 2015 EA_{11} 4 23.6 299°.08 0°.8/24.2 17

3 22	14 30.14	−15 43.1	1.758	2.611	13.8	21.1
4 1	14 24.73	−15 41.3	1.679	2.607	10.2	20.9
4 11	14 17.13	−15 28.8	1.624	2.602	6.1	20.6
4 21	14 8.12	−15 7.4	1.594	2.598	1.7	20.3
5 1	13 58.73	−14 40.8	1.592	2.593	3.3	20.4
5 11	13 50.12	−14 13.9	1.617	2.589	7.7	20.7
5 21	13 43.18	−13 51.6	1.666	2.585	11.8	20.9
5 31	13 38.59	−13 38.0	1.737	2.581	15.3	21.1

79667 1998 SJ_{34} 4 23.6 156°.31 3°.8/26.1 18

3 22	14 35.87	−22 15.3	1.849	2.670	14.6	19.9
4 1	14 28.91	−22 52.0	1.772	2.674	11.3	19.7
4 11	14 19.55	−23 14.6	1.718	2.678	7.7	19.5
4 21	14 8.63	−23 21.9	1.691	2.682	4.4	19.3
5 1	13 57.31	−23 15.1	1.691	2.685	4.4	19.3
5 11	13 46.82	−22 58.1	1.719	2.688	7.6	19.5
5 21	13 38.19	−22 36.4	1.773	2.691	11.2	19.7
5 31	13 32.10	−22 15.8	1.849	2.693	14.5	19.9

307116 2002 CW_{84} 4 23.6 102°.77 4°.3/26.5 18

3 22	14 33.97	−23 46.1	1.498	2.330	16.9	20.7
4 1	14 27.84	−24 4.1	1.432	2.339	13.1	20.5
4 11	14 19.02	−24 2.5	1.387	2.349	8.9	20.3
4 21	14 8.52	−23 41.0	1.366	2.358	5.2	20.1
5 1	13 57.70	−23 2.5	1.371	2.367	4.9	20.1
5 11	13 48.01	−22 13.8	1.402	2.375	8.5	20.3
5 21	13 40.51	−21 23.0	1.457	2.384	12.5	20.5
5 31	13 35.90	−20 37.7	1.532	2.392	16.1	20.8

314108 2005 EP_{84} 4 23.6 70°.00 2°.6/21.9 16

3 22	14 31.63	− 8 20.2	1.400	2.275	15.3	20.6
4 1	14 25.91	− 7 46.5	1.346	2.287	11.0	20.3
4 11	14 17.78	− 7 7.2	1.315	2.298	6.3	20.1
4 21	14 8.24	− 6 27.8	1.309	2.310	2.7	19.9
5 1	13 58.55	− 5 54.7	1.328	2.322	5.4	20.1
5 11	13 50.02	− 5 33.3	1.373	2.334	10.0	20.4
5 21	13 43.55	− 5 27.1	1.441	2.346	14.1	20.6
5 31	13 39.74	− 5 37.4	1.528	2.358	17.6	20.9

304773 2007 EF_{188} 4 23.6 225°.59 0°.4/22.9 18

3 22	14 19.22	−12 3.9	4.786	5.631	5.8	21.1
4 1	14 15.69	−11 39.1	4.701	5.627	4.2	21.0
4 11	14 11.49	−11 11.0	4.643	5.623	2.4	20.8
4 21	14 6.89	−10 41.2	4.615	5.619	0.5	20.7
5 1	14 2.21	−10 11.4	4.617	5.615	1.6	20.8
5 11	13 57.77	− 9 43.4	4.650	5.611	3.5	20.9
5 21	13 53.85	− 9 19.0	4.710	5.606	5.2	21.0
5 31	13 50.71	− 8 59.4	4.796	5.602	6.8	21.2

374408 2005 WW_{29} 4 23.6 232°.44 1°.0/24.6 17 R

3 22	14 30.30	−17 53.4	2.268	3.102	11.8	22.2
4 1	14 24.51	−17 32.6	2.171	3.088	8.8	21.9
4 11	14 16.89	−17 0.1	2.099	3.073	5.4	21.7
4 21	14 8.07	−16 17.8	2.055	3.057	1.8	21.4
5 1	13 58.89	−15 29.1	2.040	3.041	2.8	21.5
5 11	13 50.26	−14 38.9	2.054	3.024	6.5	21.7
5 21	13 42.95	−13 52.2	2.095	3.006	10.1	21.8
5 31	13 37.55	−13 13.5	2.159	2.987	13.2	22.0

343901 2011 JE_{12} 4 23.6 279°.30 3°.1/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.66	− 5 24.5	1.993	2.858	11.9	20.5
4 1	14 24.22	− 4 54.1	1.900	2.835	8.7	20.3
4 11	14 16.81	− 4 21.1	1.833	2.813	5.3	20.0
4 21	14 8.07	− 3 49.5	1.792	2.790	3.1	19.8
5 1	13 58.88	− 3 24.1	1.780	2.767	5.2	19.9
5 11	13 50.24	− 3 9.3	1.795	2.744	8.9	20.1
5 21	13 42.98	− 3 7.9	1.834	2.720	12.5	20.2
5 31	13 37.77	− 3 21.3	1.894	2.697	15.7	20.4

132793 2002 PJ_{155} 4 23.6 303°.64 1°.0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.65	−11 54.3	1.876	2.739	12.6	20.4
4 1	14 22.75	−11 26.7	1.798	2.732	9.2	20.2
4 11	14 15.92	−10 51.0	1.744	2.726	5.2	19.9
4 21	14 7.87	−10 10.7	1.716	2.720	1.3	19.6
5 1	13 59.51	− 9 30.6	1.716	2.714	3.7	19.8
5 11	13 51.85	− 8 55.8	1.742	2.708	7.8	20.0
5 21	13 45.69	− 8 30.7	1.794	2.702	11.6	20.2
5 31	13 41.61	− 8 18.2	1.866	2.696	14.9	20.4

501286 2013 WK_{53} 4 23.6 261°.41 3°.5/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.27	−23 39.2	2.036	2.855	13.5	20.9
4 1	14 25.59	−23 42.8	1.932	2.833	10.6	20.7
4 11	14 17.70	−23 30.4	1.852	2.811	7.3	20.4
4 21	14 8.28	−23 1.9	1.797	2.788	4.1	20.2
5 1	13 58.28	−22 19.2	1.770	2.765	4.0	20.1
5 11	13 48.84	−21 27.2	1.770	2.741	7.2	20.3
5 21	13 40.91	−20 32.2	1.797	2.717	10.9	20.4
5 31	13 35.22	−19 40.8	1.846	2.692	14.4	20.6

411206 2010 LL_{110} 4 23.6 293°.79 4°.8/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.71	− 3 49.2	1.339	2.220	15.5	20.6
4 1	14 26.48	− 3 13.3	1.260	2.202	11.5	20.3
4 11	14 18.44	− 2 35.4	1.203	2.184	7.2	20.0
4 21	14 8.45	− 2 2.1	1.170	2.167	4.8	19.8
5 1	13 57.84	− 1 40.7	1.162	2.149	7.4	19.9
5 11	13 48.07	− 1 37.0	1.179	2.132	12.1	20.1
5 21	13 40.39	− 1 53.7	1.216	2.114	16.7	20.3
5 31	13 35.62	− 2 31.3	1.271	2.098	20.7	20.6

154668 2004 FY_{118} 4 23.6 19°.53 2°.4/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.63	−11 20.4	1.153	2.039	17.1	19.9
4 1	14 24.25	−10 19.5	1.095	2.041	12.4	19.6
4 11	14 17.07	− 9 5.7	1.057	2.043	7.0	19.3
4 21	14 8.13	− 7 46.7	1.042	2.045	2.5	19.0
5 1	13 58.90	− 6 32.5	1.052	2.048	5.9	19.2
5 11	13 50.88	− 5 32.9	1.085	2.051	11.3	19.5
5 21	13 45.18	− 4 54.3	1.139	2.055	16.1	19.8
5 31	13 42.45	− 4 39.5	1.210	2.059	20.2	20.1

317867 2003 UR_{34} 4 23.6 98°.56 0°.8/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.62	−17 15.1	1.955	2.803	12.8	21.4
4 1	14 22.65	−16 47.3	1.880	2.805	9.5	21.2
4 11	14 15.81	−16 7.1	1.830	2.807	5.6	21.0
4 21	14 7.85	−15 17.5	1.806	2.809	1.6	20.7
5 1	13 59.66	−14 23.0	1.809	2.810	2.9	20.8
5 11	13 52.21	−13 29.4	1.841	2.812	7.0	21.1
5 21	13 46.26	−12 42.1	1.897	2.814	10.7	21.3
5 31	13 42.34	−12 5.4	1.976	2.816	13.8	21.5

75476 1999 XS_{166} 4 23.6 140°.40 0°.8/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.32	−16 19.4	1.945	2.786	13.2	20.1
4 1	14 26.71	−16 9.9	1.877	2.798	9.7	19.9
4 11	14 18.11	−15 49.7	1.833	2.809	5.8	19.7
4 21	14 8.33	−15 20.9	1.816	2.819	1.7	19.5
5 1	13 58.37	−14 47.1	1.829	2.829	3.0	19.6
5 11	13 49.27	−14 13.3	1.869	2.838	7.1	19.8
5 21	13 41.83	−13 44.1	1.935	2.847	10.8	20.1
5 31	13 36.61	−13 23.4	2.024	2.855	13.9	20.3

1585 Union 4 23.6 133°.36 7°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.12	+14 49.8	2.775	3.610	9.8	16.3
4 1	14 21.66	+16 22.6	2.742	3.627	8.5	16.2
4 11	14 14.99	+17 44.0	2.736	3.642	7.8	16.2
4 21	14 7.64	+18 48.6	2.758	3.657	8.1	16.2
5 1	14 0.28	+19 32.6	2.805	3.672	9.2	16.3
5 11	13 53.51	+19 54.6	2.876	3.685	10.7	16.5
5 21	13 47.84	+19 55.2	2.969	3.698	12.2	16.6
5 31	13 43.63	+19 36.3	3.079	3.711	13.5	16.7

140836 2001 UD_{192} 4 23.6 244°.68 4°.3/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.54	−29 6.4	2.387	3.179	12.6	19.7
4 1	14 22.52	−28 56.5	2.292	3.170	10.2	19.6
4 11	14 15.74	−28 28.5	2.220	3.161	7.5	19.4
4 21	14 7.84	−27 42.7	2.174	3.152	5.1	19.2
5 1	13 59.66	−26 41.4	2.156	3.143	4.5	19.1
5 11	13 52.08	−25 29.4	2.165	3.133	6.4	19.2
5 21	13 45.84	−24 13.1	2.202	3.123	9.1	19.4
5 31	13 41.50	−22 58.7	2.262	3.113	11.9	19.6

209522 2004 SF_{34} 4 23.6 224°.19 3°.2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.05	− 7 15.3	1.824	2.688	12.8	20.9
4 1	14 25.28	− 6 11.0	1.742	2.678	9.3	20.7
4 11	14 17.42	− 5 0.0	1.686	2.666	5.6	20.4
4 21	14 8.21	− 3 48.4	1.656	2.654	3.3	20.2
5 1	13 58.64	− 2 43.0	1.655	2.641	5.7	20.4
5 11	13 49.79	− 1 50.5	1.681	2.627	9.6	20.6
5 21	13 42.54	− 1 15.2	1.731	2.612	13.4	20.8
5 31	13 37.51	− 0 59.1	1.801	2.597	16.7	20.9

92881 2000 QK_{219} 4 23.6 161°.40 2°.6/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.53	− 6 21.6	2.289	3.148	10.8	20.5
4 1	14 23.68	− 5 37.1	2.222	3.154	7.8	20.3
4 11	14 16.27	− 4 49.7	2.181	3.160	4.6	20.1
4 21	14 7.94	− 4 3.6	2.168	3.165	2.6	20.0
5 1	13 59.49	− 3 23.2	2.184	3.170	4.5	20.1
5 11	13 51.70	− 2 52.5	2.229	3.174	7.7	20.3
5 21	13 45.21	− 2 34.2	2.299	3.178	10.7	20.5
5 31	13 40.48	− 2 29.3	2.391	3.180	13.3	20.7

219635 2001 UV_{33} 4 23.6 193°.84 3°.6/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.03	− 3 3.1	2.078	2.939	11.7	20.9
4 1	14 25.68	− 2 34.6	2.005	2.937	8.6	20.7
4 11	14 17.51	− 2 6.1	1.958	2.935	5.4	20.5
4 21	14 8.22	− 1 42.0	1.939	2.932	3.6	20.4
5 1	13 58.70	− 1 26.2	1.948	2.929	5.5	20.5
5 11	13 49.88	− 1 22.1	1.984	2.925	8.7	20.7
5 21	13 42.52	− 1 31.4	2.046	2.921	11.9	20.9
5 31	13 37.16	− 1 54.4	2.129	2.917	14.7	21.1

92086 1999 XG_{23} 4 23.6 168°.88 0°.1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.71	−13 41.6	2.370	3.213	11.1	19.5
4 1	14 24.58	−13 32.3	2.293	3.216	8.1	19.3
4 11	14 16.82	−13 16.0	2.242	3.220	4.7	19.1
4 21	14 8.07	−12 54.5	2.219	3.222	1.0	18.8
5 1	13 59.12	−12 31.0	2.225	3.225	2.7	19.0
5 11	13 50.79	−12 8.9	2.261	3.227	6.3	19.2
5 21	13 43.76	−11 51.6	2.323	3.228	9.5	19.4
5 31	13 38.53	−11 41.8	2.409	3.229	12.3	19.6

121276 1999 RJ_{136} 4 23.6 243°.29 5°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.35	+ 1 27.9	2.191	3.057	10.9	20.1
4 1	14 22.29	+ 2 50.1	2.114	3.043	8.3	19.9
4 11	14 15.58	+ 4 11.4	2.063	3.028	6.2	19.8
4 21	14 7.82	+ 5 25.3	2.039	3.013	5.8	19.7
5 1	13 59.79	+ 6 25.4	2.044	2.997	7.6	19.8
5 11	13 52.32	+ 7 7.0	2.074	2.980	10.3	19.9
5 21	13 46.10	+ 7 28.1	2.128	2.964	13.1	20.1
5 31	13 41.67	+ 7 28.4	2.202	2.946	15.5	20.2

405012 2000 WP_{170} 4 23.6 177°.88 1°.1/24.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.58	−17 47.8	2.020	2.856	12.9	22.2
4 1	14 26.22	−17 26.1	1.941	2.859	9.6	22.0
4 11	14 17.87	−16 51.9	1.887	2.861	5.8	21.7
4 21	14 8.31	−16 7.5	1.860	2.862	1.8	21.5
5 1	13 58.49	−15 17.0	1.862	2.862	3.0	21.5
5 11	13 49.44	−14 25.9	1.892	2.862	7.0	21.8
5 21	13 41.98	−13 39.6	1.949	2.860	10.7	22.0
5 31	13 36.67	−13 2.8	2.029	2.858	13.9	22.2

196931 2003 UF_{12} 4 23.6 143°.27 0°.1/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.34	−14 36.1	2.535	3.377	10.4	21.9
4 1	14 22.72	−14 5.4	2.464	3.388	7.6	21.8
4 11	14 15.68	−13 26.9	2.420	3.398	4.3	21.6
4 21	14 7.82	−12 43.1	2.405	3.408	0.9	21.3
5 1	13 59.86	−11 57.8	2.419	3.418	2.6	21.5
5 11	13 52.51	−11 15.0	2.462	3.427	5.9	21.7
5 21	13 46.36	−10 38.4	2.532	3.435	8.9	21.9
5 31	13 41.83	−10 10.8	2.627	3.443	11.5	22.1

455529 2004 BV_{6} 4 23.6 45°.55 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.71	−13 16.1	1.232	2.105	17.1	20.7
4 1	14 26.89	−13 16.6	1.188	2.126	12.4	20.5
4 11	14 18.40	−13 6.4	1.165	2.148	7.1	20.2
4 21	14 8.41	−12 48.7	1.166	2.170	1.5	19.9
5 1	13 58.37	−12 28.8	1.192	2.193	4.1	20.2
5 11	13 49.72	−12 12.4	1.243	2.216	9.3	20.5
5 21	13 43.45	−12 4.5	1.315	2.240	13.8	20.8
5 31	13 40.09	−12 8.0	1.408	2.264	17.5	21.1

305426 2008 CJ_{141} 4 23.6 57°.37 2°.7/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.82	− 7 6.9	2.224	3.092	10.7	21.0
4 1	14 20.33	− 6 7.5	2.159	3.096	7.7	20.8
4 11	14 14.38	− 5 4.2	2.120	3.101	4.5	20.6
4 21	14 7.55	− 4 1.9	2.109	3.106	2.7	20.5
5 1	14 0.60	− 3 5.7	2.126	3.111	4.6	20.6
5 11	13 54.28	− 2 20.2	2.170	3.117	7.8	20.8
5 21	13 49.19	− 1 48.5	2.239	3.122	10.8	21.0
5 31	13 45.76	− 1 32.1	2.330	3.127	13.3	21.2

102694 1999 VO_{77} 4 23.6 221°.47 0°.8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 33.50	−15 8.9	1.732	2.582	14.1	19.0
4 1	14 27.26	−15 14.0	1.652	2.577	10.5	18.7
4 11	14 18.66	−15 9.0	1.595	2.572	6.2	18.4
4 21	14 8.51	−14 55.6	1.564	2.567	1.7	18.1
5 1	13 57.92	−14 36.8	1.560	2.561	3.4	18.2
5 11	13 48.12	−14 17.3	1.584	2.555	8.0	18.5
5 21	13 40.12	−14 1.9	1.633	2.548	12.2	18.7
5 31	13 34.60	−13 54.6	1.703	2.542	15.7	18.9

265802 2005 XR_{4} 4 23.6 77°.39 4°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.80	− 1 15.6	1.750	2.622	12.9	20.3
4 1	14 24.17	− 0 27.2	1.698	2.634	9.5	20.1
4 11	14 16.64	+ 0 19.2	1.671	2.647	6.3	19.9
4 21	14 8.03	+ 0 57.9	1.670	2.659	4.9	19.9
5 1	13 59.35	+ 1 23.6	1.697	2.671	6.9	20.0
5 11	13 51.58	+ 1 32.6	1.748	2.684	10.1	20.2
5 21	13 45.47	+ 1 23.9	1.823	2.696	13.3	20.4
5 31	13 41.51	+ 0 58.1	1.918	2.708	16.0	20.6

95099 2002 AK_{111} 4 23.6 345°.12 7°.6/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.02	−32 47.1	1.806	2.597	16.1	18.4
4 1	14 22.82	−33 26.9	1.720	2.588	13.5	18.2
4 11	14 16.23	−33 44.6	1.654	2.579	10.8	18.0
4 21	14 8.00	−33 37.4	1.611	2.571	8.4	17.9
5 1	13 59.27	−33 5.6	1.592	2.564	7.6	17.8
5 11	13 51.28	−32 13.7	1.598	2.557	9.0	17.9
5 21	13 45.08	−31 9.0	1.627	2.552	11.6	18.0
5 31	13 41.42	−30 0.0	1.678	2.547	14.5	18.2

366824 2005 GY_{94} 4 23.6 16°.34 1°.7/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.19	−10 18.4	1.194	2.079	16.8	20.4
4 1	14 24.60	−10 0.4	1.137	2.082	12.1	20.1
4 11	14 17.26	− 9 34.2	1.101	2.087	6.9	19.8
4 21	14 8.21	− 9 4.5	1.088	2.092	2.0	19.5
5 1	13 58.86	− 8 37.9	1.100	2.098	5.1	19.7
5 11	13 50.70	− 8 20.6	1.134	2.105	10.3	20.1
5 21	13 44.81	− 8 17.0	1.191	2.113	15.1	20.3
5 31	13 41.86	− 8 29.4	1.265	2.122	19.1	20.6

506816 2007 RX_{225} 4 23.6 284°.68 1°.3/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.56	−11 55.8	1.939	2.802	12.3	21.7
4 1	14 21.94	−11 10.1	1.858	2.793	8.9	21.5
4 11	14 15.46	−10 15.4	1.801	2.783	5.0	21.2
4 21	14 7.81	− 9 15.8	1.771	2.774	1.4	20.9
5 1	13 59.87	− 8 16.9	1.768	2.765	3.9	21.1
5 11	13 52.58	− 7 24.6	1.793	2.755	7.9	21.3
5 21	13 46.72	− 6 43.7	1.843	2.746	11.6	21.5
5 31	13 42.85	− 6 17.4	1.913	2.737	14.8	21.7

399396 2001 SY_{305} 4 23.6 261°.51 2°.9/25.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.85	−21 17.8	1.614	2.451	15.6	21.7
4 1	14 27.23	−21 12.6	1.515	2.430	12.0	21.5
4 11	14 18.89	−20 49.2	1.439	2.408	7.9	21.2
4 21	14 8.60	−20 7.8	1.387	2.385	3.7	20.8
5 1	13 57.58	−19 11.8	1.362	2.362	4.1	20.8
5 11	13 47.23	−18 7.9	1.364	2.338	8.6	21.0
5 21	13 38.77	−17 4.6	1.390	2.313	13.3	21.2
5 31	13 33.09	−16 9.8	1.436	2.288	17.5	21.4

123243 2000 UW_{63} 4 23.6 234°.76 1°.8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.46	−19 44.3	2.239	3.068	12.1	21.2
4 1	14 24.70	−19 36.1	2.144	3.055	9.2	21.0
4 11	14 17.05	−19 15.6	2.072	3.042	5.8	20.8
4 21	14 8.16	−18 43.8	2.028	3.027	2.5	20.5
5 1	13 58.89	−18 3.7	2.013	3.013	2.9	20.5
5 11	13 50.18	−17 19.7	2.026	2.997	6.5	20.7
5 21	13 42.83	−16 36.8	2.066	2.981	10.0	20.9
5 31	13 37.43	−16 0.0	2.130	2.965	13.1	21.1

414030 2007 PC_{5} 4 23.7 274°.14 5°.5/19.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.52	− 3 16.1	1.554	2.430	14.0	21.6
4 1	14 25.38	− 1 57.9	1.465	2.404	10.5	21.3
4 11	14 17.74	− 0 34.2	1.399	2.377	6.9	21.0
4 21	14 8.36	+ 0 46.8	1.359	2.350	5.5	20.9
5 1	13 58.34	+ 1 55.9	1.346	2.322	8.2	20.9
5 11	13 48.97	+ 2 45.1	1.357	2.293	12.4	21.1
5 21	13 41.36	+ 3 9.7	1.390	2.264	16.6	21.3
5 31	13 36.30	+ 3 8.5	1.441	2.234	20.3	21.4

87529 2000 QZ_{199} 4 23.7 243°.79 0°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.34	−14 58.6	1.999	2.847	12.6	19.9
4 1	14 24.73	−14 44.1	1.910	2.835	9.3	19.7
4 11	14 17.12	−14 19.8	1.845	2.824	5.5	19.4
4 21	14 8.19	−13 47.7	1.808	2.811	1.3	19.1
5 1	13 58.88	−13 11.7	1.799	2.799	3.1	19.2
5 11	13 50.19	−12 36.6	1.817	2.786	7.3	19.5
5 21	13 42.97	−12 7.1	1.862	2.773	11.1	19.7
5 31	13 37.86	−11 47.1	1.928	2.759	14.5	19.8

178113 Benjamindilday 4 23.7 107°.93 6°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 25.33	+ 4 38.1	2.287	3.153	10.5	20.4
4 1	14 20.66	+ 5 53.8	2.231	3.156	8.2	20.2
4 11	14 14.56	+ 7 4.5	2.202	3.159	6.5	20.1
4 21	14 7.61	+ 8 4.3	2.200	3.162	6.3	20.1
5 1	14 0.55	+ 8 48.2	2.224	3.165	7.8	20.2
5 11	13 54.11	+ 9 13.0	2.274	3.168	10.1	20.3
5 21	13 48.87	+ 9 17.9	2.347	3.171	12.4	20.5
5 31	13 45.26	+ 9 3.7	2.440	3.173	14.4	20.7

463330 2012 KE_{46} 4 23.7 280°.90 7°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.20	+ 4 44.4	1.803	2.671	12.8	20.3
4 1	14 24.78	+ 5 47.0	1.722	2.648	10.1	20.0
4 11	14 17.21	+ 6 44.7	1.665	2.625	7.8	19.9
4 21	14 8.22	+ 7 30.1	1.633	2.602	7.4	19.8
5 1	13 58.79	+ 7 56.5	1.628	2.578	9.4	19.8
5 11	13 49.99	+ 7 59.7	1.647	2.554	12.4	20.0
5 21	13 42.75	+ 7 38.6	1.688	2.531	15.6	20.1
5 31	13 37.73	+ 6 54.6	1.747	2.507	18.5	20.3

245695 2006 BA_{170} 4 23.7 218°.24 4°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.87	− 5 46.6	1.673	2.544	13.5	21.0
4 1	14 25.27	− 4 40.0	1.600	2.537	9.8	20.8
4 11	14 17.47	− 3 28.3	1.550	2.530	6.0	20.5
4 21	14 8.27	− 2 18.2	1.527	2.522	4.0	20.4
5 1	13 58.74	− 1 17.1	1.531	2.514	6.4	20.5
5 11	13 50.03	− 0 31.6	1.561	2.505	10.4	20.7
5 21	13 43.04	− 0 5.6	1.614	2.496	14.2	20.9
5 31	13 38.41	− 0 0.3	1.687	2.486	17.6	21.1

264998 2003 EB_{9} 4 23.7 5°.66 9°.4/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.82	−34 58.0	1.658	2.434	17.9	20.1
4 1	14 28.10	−36 6.4	1.581	2.434	15.3	19.9
4 11	14 19.44	−36 50.4	1.523	2.434	12.5	19.7
4 21	14 8.74	−37 5.3	1.488	2.434	10.2	19.6
5 1	13 57.41	−36 49.7	1.476	2.435	9.4	19.5
5 11	13 47.01	−36 7.9	1.489	2.436	10.6	19.6
5 21	13 38.85	−35 8.0	1.524	2.437	13.0	19.7
5 31	13 33.78	−34 0.2	1.581	2.439	15.8	19.9

114475 2003 AX_{41} 4 23.7 134°.31 1°.3/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.00	−19 10.7	2.191	3.022	12.3	20.2
4 1	14 24.84	−18 42.6	2.123	3.037	9.1	20.1
4 11	14 16.98	−18 1.9	2.080	3.052	5.6	19.9
4 21	14 8.14	−17 11.2	2.065	3.066	2.0	19.6
5 1	13 59.20	−16 14.7	2.079	3.079	2.7	19.7
5 11	13 51.05	−15 17.7	2.122	3.092	6.3	20.0
5 21	13 44.37	−14 25.3	2.192	3.104	9.6	20.2
5 31	13 39.64	−13 41.8	2.285	3.115	12.5	20.4

216897 Golubev 4 23.7 327°.10 3°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.33	− 2 22.8	2.130	2.997	11.2	19.8
4 1	14 22.99	− 1 55.7	2.060	2.994	8.2	19.6
4 11	14 15.98	− 1 29.3	2.015	2.991	5.2	19.4
4 21	14 7.94	− 1 7.9	1.997	2.989	3.7	19.3
5 1	13 59.71	− 0 55.1	2.007	2.987	5.5	19.4
5 11	13 52.12	− 0 54.2	2.044	2.985	8.5	19.6
5 21	13 45.86	− 1 6.5	2.105	2.983	11.6	19.8
5 31	13 41.44	− 1 32.3	2.188	2.981	14.2	20.0

74256 1998 SS_{77} 4 23.7 180°.38 1°.0/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.47	−16 45.2	2.449	3.283	11.0	20.3
4 1	14 24.44	−16 42.3	2.367	3.284	8.2	20.1
4 11	14 16.78	−16 30.6	2.311	3.285	4.9	19.9
4 21	14 8.12	−16 11.4	2.283	3.285	1.6	19.7
5 1	13 59.23	−15 47.5	2.284	3.285	2.5	19.8
5 11	13 50.92	−15 22.2	2.315	3.284	5.9	20.0
5 21	13 43.88	−14 59.3	2.372	3.282	9.1	20.2
5 31	13 38.59	−14 42.1	2.454	3.281	11.9	20.3

470449 2007 YY_{32} 4 23.7 140°.45 0°.5/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.18	−12 32.9	2.382	3.232	10.8	21.8
4 1	14 22.74	−12 13.9	2.310	3.238	7.8	21.6
4 11	14 15.77	−11 48.4	2.263	3.243	4.4	21.4
4 21	14 7.90	−11 19.0	2.244	3.249	0.9	21.2
5 1	13 59.87	−10 49.0	2.255	3.254	2.9	21.3
5 11	13 52.45	−10 22.3	2.294	3.258	6.3	21.6
5 21	13 46.27	−10 2.0	2.360	3.263	9.4	21.8
5 31	13 41.78	− 9 50.4	2.448	3.267	12.1	21.9

179826 2002 TE_{131} 4 23.7 165°.94 3°.6/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.61	− 4 43.2	1.953	2.817	12.1	20.6
4 1	14 24.71	− 3 51.0	1.887	2.822	8.8	20.4
4 11	14 16.98	− 2 56.7	1.847	2.826	5.4	20.2
4 21	14 8.16	− 2 5.5	1.834	2.829	3.6	20.1
5 1	13 59.18	− 1 22.9	1.850	2.832	5.7	20.3
5 11	13 50.97	− 0 53.6	1.892	2.834	9.1	20.5
5 21	13 44.27	− 0 40.0	1.959	2.836	12.3	20.7
5 31	13 39.62	− 0 42.9	2.047	2.837	15.2	20.9

71318 2000 AO_{81} 4 23.7 185°.07 1°.5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.85	−10 29.4	2.154	3.013	11.4	19.9
4 1	14 22.65	− 9 48.9	2.080	3.013	8.2	19.7
4 11	14 15.79	− 9 2.0	2.031	3.012	4.7	19.4
4 21	14 7.91	− 8 12.4	2.009	3.012	1.6	19.2
5 1	13 59.84	− 7 24.9	2.017	3.011	3.7	19.4
5 11	13 52.43	− 6 44.3	2.052	3.010	7.3	19.6
5 21	13 46.34	− 6 14.1	2.112	3.009	10.7	19.8
5 31	13 42.08	− 5 56.9	2.195	3.007	13.6	20.0

70207 Davidunlap 4 23.7 149°.74 2°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.69	−18 47.8	1.740	2.580	14.6	19.2
4 1	14 27.33	−18 53.6	1.668	2.585	10.9	19.0
4 11	14 18.66	−18 46.1	1.619	2.591	6.8	18.7
4 21	14 8.55	−18 26.1	1.595	2.595	2.8	18.5
5 1	13 58.12	−17 57.0	1.600	2.600	3.5	18.5
5 11	13 48.60	−17 24.1	1.631	2.604	7.6	18.8
5 21	13 40.93	−16 52.9	1.688	2.607	11.6	19.0
5 31	13 35.75	−16 28.8	1.767	2.611	15.0	19.3

196765 2003 SM_{163} 4 23.7 260°.97 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.86	−13 55.2	1.986	2.838	12.5	19.9
4 1	14 24.35	−13 48.7	1.904	2.832	9.2	19.7
4 11	14 16.89	−13 33.7	1.846	2.825	5.3	19.4
4 21	14 8.17	−13 12.6	1.815	2.819	1.2	19.1
5 1	13 59.12	−12 48.5	1.812	2.812	3.1	19.2
5 11	13 50.72	−12 26.0	1.836	2.805	7.2	19.5
5 21	13 43.80	−12 8.9	1.886	2.798	11.0	19.7
5 31	13 38.96	−12 0.5	1.958	2.792	14.2	19.9

499352 2009 WB_{261} 4 23.7 200°.80 4°.2/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.76	−28 29.4	2.388	3.177	12.7	22.6
4 1	14 24.85	−28 22.9	2.295	3.173	10.2	22.4
4 11	14 17.11	−27 58.7	2.226	3.168	7.4	22.2
4 21	14 8.21	−27 17.0	2.183	3.162	4.9	22.0
5 1	13 59.02	−26 20.0	2.169	3.156	4.4	22.0
5 11	13 50.48	−25 12.6	2.183	3.149	6.4	22.1
5 21	13 43.35	−24 0.8	2.224	3.142	9.3	22.2
5 31	13 38.18	−22 51.1	2.290	3.134	12.0	22.4

423396 2005 KZ_4 4 23.7 261°.73 4°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.17	− 0 56.3	1.777	2.640	13.2	21.1
4 1	14 27.72	− 0 31.7	1.691	2.623	9.8	20.9
4 11	14 18.95	− 0 9.1	1.630	2.605	6.5	20.6
4 21	14 8.63	+ 0 6.5	1.596	2.586	4.8	20.5
5 1	13 57.82	+ 0 10.1	1.589	2.567	6.8	20.6
5 11	13 47.69	− 0 1.7	1.608	2.548	10.5	20.7
5 21	13 39.22	− 0 30.2	1.652	2.528	14.2	20.9
5 31	13 33.14	− 1 15.3	1.716	2.508	17.5	21.1

318006 2004 CV_{60} 4 23.7 286°.99 5°.7/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.57	−25 6.9	1.612	2.434	16.4	20.1
4 1	14 28.61	−26 1.1	1.523	2.421	13.1	19.9
4 11	14 19.78	−26 39.0	1.454	2.407	9.5	19.6
4 21	14 8.86	−26 57.4	1.410	2.394	6.4	19.4
5 1	13 57.13	−26 55.6	1.392	2.381	6.1	19.4
5 11	13 46.12	−26 37.3	1.400	2.368	9.1	19.5
5 21	13 37.14	−26 9.0	1.432	2.355	13.0	19.7
5 31	13 31.10	−25 38.6	1.484	2.342	16.6	19.9

28687 Reginareals 4 23.7 277°.09 0°.5/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.80	−12 38.8	2.087	2.943	11.8	19.3
4 1	14 22.76	−12 17.4	2.003	2.934	8.6	19.0
4 11	14 15.94	−11 48.2	1.944	2.925	4.9	18.8
4 21	14 7.97	−11 14.1	1.912	2.916	1.1	18.5
5 1	13 59.70	−10 39.1	1.909	2.908	3.2	18.6
5 11	13 52.03	−10 7.6	1.933	2.899	7.1	18.9
5 21	13 45.72	− 9 43.7	1.982	2.890	10.7	19.1
5 31	13 41.33	− 9 30.3	2.054	2.881	13.8	19.3

206293 2003 BH_{43} 4 23.7 1°.21 9°.9/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.06	+11 36.9	1.736	2.603	13.2	18.8
4 1	14 20.88	+13 8.7	1.690	2.602	11.1	18.7
4 11	14 14.85	+14 27.6	1.667	2.602	10.0	18.6
4 21	14 7.72	+15 25.2	1.668	2.602	10.2	18.6
5 1	14 0.45	+15 55.4	1.693	2.603	11.9	18.7
5 11	13 53.99	+15 55.8	1.740	2.604	14.1	18.9
5 21	13 49.08	+15 27.7	1.806	2.606	16.4	19.0
5 31	13 46.22	+14 34.3	1.888	2.609	18.5	19.2

378700 2008 MU 4 23.7 313°.20 1°.3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.26	− 8 54.7	1.437	2.308	15.3	19.4
4 1	14 27.80	− 9 13.2	1.341	2.278	11.3	19.1
4 11	14 19.41	− 9 29.0	1.266	2.249	6.6	18.8
4 21	14 8.81	− 9 44.3	1.216	2.220	1.7	18.4
5 1	13 57.23	−10 1.8	1.192	2.191	4.7	18.5
5 11	13 46.21	−10 25.2	1.194	2.163	10.1	18.7
5 21	13 37.11	−10 57.1	1.218	2.135	15.2	18.9
5 31	13 30.95	−11 40.0	1.261	2.109	19.7	19.1

351896 2006 SN_{237} 4 23.7 215°.12 0°.8/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.53	−16 25.0	2.388	3.228	11.1	21.5
4 1	14 23.11	−16 18.6	2.304	3.224	8.2	21.3
4 11	14 16.06	−16 3.3	2.246	3.221	4.9	21.1
4 21	14 7.99	−15 40.7	2.214	3.217	1.5	20.9
5 1	13 59.67	−15 13.7	2.212	3.213	2.6	20.9
5 11	13 51.91	−14 46.0	2.239	3.209	6.0	21.2
5 21	13 45.38	−14 21.3	2.292	3.204	9.3	21.3
5 31	13 40.61	−14 2.9	2.368	3.200	12.1	21.5

15019 Gingold 4 23.7 341°.14 3°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.14	− 9 4.6	1.070	1.965	17.4	17.6
4 1	14 23.50	− 8 17.1	1.006	1.956	12.7	17.3
4 11	14 16.85	− 7 19.4	0.962	1.948	7.4	17.0
4 21	14 8.21	− 6 19.1	0.940	1.942	3.3	16.7
5 1	13 59.07	− 5 25.6	0.941	1.936	6.6	16.9
5 11	13 51.06	− 4 48.1	0.963	1.931	12.2	17.2
5 21	13 45.43	− 4 32.2	1.006	1.927	17.3	17.4
5 31	13 42.96	− 4 40.1	1.065	1.925	21.6	17.7

287219 2002 SX_{72} 4 23.7 155°.26 1°.3/22.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.50	−10 58.2	2.054	2.908	12.1	22.1
4 1	14 25.30	−10 24.2	1.986	2.916	8.7	21.9
4 11	14 17.31	− 9 43.5	1.943	2.924	4.9	21.7
4 21	14 8.25	− 8 59.8	1.927	2.930	1.4	21.5
5 1	13 59.04	− 8 17.6	1.941	2.937	3.7	21.6
5 11	13 50.60	− 7 41.8	1.983	2.942	7.5	21.9
5 21	13 43.65	− 7 15.8	2.050	2.947	11.0	22.1
5 31	13 38.72	− 7 2.3	2.140	2.951	13.9	22.3

79471 1998 AH_4 4 23.7 189°.68 4°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.60	−27 13.5	2.385	3.184	12.4	19.5
4 1	14 23.27	−27 16.5	2.299	3.183	9.9	19.4
4 11	14 16.20	−27 3.7	2.237	3.182	7.1	19.2
4 21	14 8.03	−26 35.0	2.200	3.182	4.7	19.0
5 1	13 59.61	−25 52.6	2.192	3.180	4.2	19.0
5 11	13 51.81	−25 0.8	2.211	3.179	6.2	19.1
5 21	13 45.35	−24 4.9	2.257	3.178	9.0	19.3
5 31	13 40.78	−23 10.6	2.328	3.176	11.7	19.5

75086 1999 VU_{28} 4 23.7 232°.13 0°.4/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.38	−15 46.6	1.920	2.767	13.1	20.1
4 1	14 25.58	−15 22.0	1.830	2.755	9.7	19.8
4 11	14 17.68	−14 45.5	1.764	2.742	5.7	19.6
4 21	14 8.37	−13 59.8	1.725	2.729	1.4	19.3
5 1	13 58.65	−13 9.2	1.715	2.715	3.2	19.4
5 11	13 49.60	−12 19.7	1.732	2.701	7.6	19.6
5 21	13 42.10	−11 36.6	1.775	2.686	11.6	19.8
5 31	13 36.82	−11 4.6	1.840	2.670	15.1	20.0

519968 2013 TU_{165} 4 23.7 167°.78 2°.4/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.98	−22 2.2	2.067	2.895	13.0	21.6
4 1	14 23.64	−21 42.0	1.988	2.897	9.9	21.4
4 11	14 16.44	−21 6.3	1.933	2.899	6.4	21.2
4 21	14 8.08	−20 17.0	1.904	2.901	3.1	21.0
5 1	13 59.50	−19 18.0	1.903	2.902	3.2	21.0
5 11	13 51.65	−18 15.0	1.930	2.903	6.5	21.2
5 21	13 45.30	−17 14.0	1.983	2.904	10.1	21.5
5 31	13 40.99	−16 20.7	2.060	2.905	13.2	21.7

218587 2005 LV_{26} 4 23.7 299°.93 2°.1/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.56	−19 31.6	1.508	2.362	15.7	20.6
4 1	14 24.18	−19 18.8	1.414	2.339	11.9	20.3
4 11	14 17.18	−18 48.2	1.341	2.316	7.5	20.0
4 21	14 8.31	−18 0.9	1.292	2.293	3.0	19.7
5 1	13 58.75	−17 1.5	1.269	2.271	3.8	19.7
5 11	13 49.88	−15 57.5	1.272	2.248	8.7	19.9
5 21	13 42.89	−14 57.1	1.297	2.226	13.6	20.1
5 31	13 38.63	−14 8.0	1.343	2.204	17.9	20.3

236163 2005 UW_{432} 4 23.7 85°.65 0°.2/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.54	−15 20.5	1.318	2.185	16.6	21.3
4 1	14 26.09	−14 41.2	1.261	2.197	12.1	21.0
4 11	14 18.04	−13 46.9	1.226	2.208	7.0	20.8
4 21	14 8.43	−12 42.7	1.215	2.219	1.5	20.4
5 1	13 58.65	−11 36.2	1.229	2.230	4.1	20.7
5 11	13 50.08	−10 36.0	1.269	2.241	9.4	21.0
5 21	13 43.74	− 9 49.1	1.331	2.251	14.0	21.3
5 31	13 40.21	− 9 19.7	1.413	2.262	17.8	21.6

21837 1999 TL_{97} 4 23.7 119°.35 4°.5/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.49	− 4 3.6	1.625	2.499	13.7	18.6
4 1	14 24.87	− 3 2.0	1.569	2.507	9.9	18.4
4 11	14 17.16	− 1 58.7	1.536	2.515	6.3	18.2
4 21	14 8.23	− 1 0.4	1.530	2.523	4.5	18.1
5 1	13 59.16	− 0 14.0	1.550	2.530	6.7	18.3
5 11	13 51.05	+ 0 15.4	1.596	2.538	10.4	18.5
5 21	13 44.71	+ 0 25.5	1.664	2.545	14.0	18.7
5 31	13 40.69	+ 0 16.0	1.753	2.551	17.0	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
491072 2011 QJ_{97}			4 23.7 194.°78		2.°2/26.4 17	
	h m	° ′			°	m
3 22	14 26.37	−23 56.9	2.920	3.727	10.2	22.5
4 1	14 21.31	−23 25.2	2.828	3.724	7.8	22.4
4 11	14 14.93	−22 40.5	2.763	3.721	5.2	22.2
4 21	14 7.75	−21 44.5	2.725	3.718	2.8	22.0
5 1	14 0.42	−20 40.1	2.717	3.714	2.6	22.0
5 11	13 53.59	−19 31.6	2.739	3.710	5.0	22.2
5 21	13 47.81	−18 23.7	2.789	3.705	7.7	22.3
5 31	13 43.50	−17 20.8	2.865	3.700	10.1	22.5
332138 2005 WN_{144}			4 23.7 225.°46		0.°4/23.3 18	
3 22	14 27.82	−15 27.3	1.987	2.839	12.5	20.5
4 1	14 22.84	−14 29.5	1.904	2.832	9.1	20.3
4 11	14 16.00	−13 18.8	1.845	2.825	5.2	20.0
4 21	14 8.00	−11 59.4	1.814	2.818	1.1	19.7
5 1	13 59.74	−10 37.6	1.811	2.810	3.3	19.9
5 11	13 52.17	− 9 20.2	1.837	2.802	7.5	20.1
5 21	13 46.04	− 8 13.3	1.888	2.794	11.3	20.3
5 31	13 41.91	− 7 21.3	1.961	2.785	14.5	20.5
91923 1999 VE_{38}			4 23.7 242.°88		0.°4/24.1 18	
3 22	14 25.50	−16 37.3	2.791	3.628	9.7	20.2
4 1	14 20.75	−16 0.7	2.695	3.615	7.2	20.0
4 11	14 14.65	−15 14.6	2.625	3.601	4.2	19.8
4 21	14 7.71	−14 21.5	2.584	3.587	1.1	19.5
5 1	14 0.54	−13 24.8	2.572	3.572	2.3	19.6
5 11	13 53.81	−12 28.7	2.590	3.558	5.5	19.8
5 21	13 48.09	−11 37.4	2.636	3.542	8.4	19.9
5 31	13 43.81	−10 54.2	2.705	3.527	11.0	20.1
11223 1999 JC_{30}			4 23.7 275.°03		0.°4/23.4 18	
3 22	14 27.65	−12 59.7	2.203	3.056	11.4	17.6
4 1	14 22.60	−12 41.9	2.117	3.046	8.3	17.4
4 11	14 15.84	−12 16.5	2.056	3.037	4.8	17.2
4 21	14 7.98	−11 46.2	2.023	3.027	1.0	16.9
5 1	13 59.82	−11 14.5	2.018	3.017	3.0	17.0
5 11	13 52.23	−10 45.6	2.041	3.007	6.8	17.2
5 21	13 45.92	−10 23.2	2.089	2.997	10.3	17.4
5 31	13 41.44	−10 10.4	2.160	2.987	13.3	17.6
256123 2006 UZ_{334}			4 23.7 33.°62		0.°5/23.4 18	
3 22	14 31.50	−11 46.5	1.217	2.095	17.0	19.8
4 1	14 26.15	−11 50.7	1.169	2.110	12.3	19.6
4 11	14 18.10	−11 46.1	1.142	2.126	7.0	19.3
4 21	14 8.45	−11 36.1	1.139	2.143	1.5	19.0
5 1	13 58.67	−11 25.4	1.160	2.160	4.3	19.3
5 11	13 50.20	−11 19.2	1.205	2.179	9.5	19.6
5 21	13 44.07	−11 21.6	1.273	2.198	14.1	19.9
5 31	13 40.84	−11 35.5	1.359	2.218	17.9	20.2
21194 1994 PN_{1}			4 23.7 132.°09		10.°4/12.2 18	
3 22	14 30.66	+21 30.1	2.356	3.170	12.1	18.2
4 1	14 24.43	+22 47.2	2.327	3.182	10.9	18.1
4 11	14 16.68	+23 46.4	2.322	3.195	10.4	18.1
4 21	14 8.12	+24 22.0	2.341	3.206	10.7	18.2
5 1	13 59.57	+24 30.8	2.384	3.217	11.7	18.2
5 11	13 51.82	+24 12.5	2.448	3.228	13.1	18.4
5 21	13 45.49	+23 29.6	2.532	3.238	14.5	18.5
5 31	13 40.97	+22 25.7	2.632	3.248	15.8	18.6
173499 2000 SU_{309}			4 23.7 225.°07		7.°7/ 2.6 18	
3 22	14 30.45	−41 12.5	2.698	3.402	13.4	19.9
4 1	14 24.76	−41 37.3	2.601	3.396	11.7	19.7
4 11	14 17.14	−41 41.3	2.525	3.389	10.0	19.6
4 21	14 8.27	−41 22.1	2.472	3.382	8.5	19.5
5 1	13 59.04	−40 39.9	2.444	3.375	7.7	19.4
5 11	13 50.46	−39 37.6	2.442	3.367	8.1	19.4
5 21	13 43.33	−38 20.9	2.466	3.359	9.5	19.5
5 31	13 38.25	−36 56.6	2.514	3.351	11.3	19.6
33644 1999 JT_{82}			4 23.7	1.°31	10.°1/15.4 18	
3 22	14 28.98	+10 58.6	1.599	2.465	14.2	18.1
4 1	14 23.86	+12 21.3	1.551	2.465	11.8	17.9
4 11	14 16.62	+13 30.7	1.525	2.465	10.3	17.8
4 21	14 8.14	+14 18.0	1.523	2.465	10.4	17.8
5 1	13 59.49	+14 36.7	1.545	2.465	12.1	17.9
5 11	13 51.79	+14 24.7	1.589	2.465	14.6	18.1
5 21	13 45.87	+13 43.8	1.653	2.466	17.1	18.3
5 31	13 42.26	+12 37.9	1.733	2.467	19.5	18.4
489034 2005 WK_{165}			4 23.7 176.°64		1.°0/22.8 16	
3 22	14 30.01	−11 32.1	2.170	3.022	11.6	22.7
4 1	14 24.22	−11 0.1	2.095	3.024	8.4	22.5
4 11	14 16.71	−10 21.2	2.045	3.026	4.7	22.3
4 21	14 8.16	− 9 38.7	2.024	3.027	1.2	22.0
5 1	13 59.40	− 8 56.8	2.031	3.028	3.4	22.2
5 11	13 51.33	− 8 20.3	2.067	3.027	7.1	22.4
5 21	13 44.63	− 7 52.7	2.128	3.027	10.5	22.6
5 31	13 39.82	− 7 36.6	2.212	3.026	13.4	22.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
363040 1999 TM_{125}			4 23.7 227.°95		0.°7/23.1 16	
	h m	° ′			°	m
3 22	14 30.87	−13 28.8	1.952	2.804	12.7	21.9
4 1	14 25.15	−12 49.1	1.864	2.793	9.3	21.7
4 11	14 17.40	−11 59.0	1.800	2.780	5.3	21.4
4 21	14 8.33	−11 1.8	1.763	2.767	1.2	21.1
5 1	13 58.89	−10 2.8	1.755	2.754	3.6	21.3
5 11	13 50.10	− 9 8.2	1.776	2.739	7.9	21.5
5 21	13 42.83	− 8 23.3	1.821	2.724	11.8	21.7
5 31	13 37.70	− 7 51.8	1.889	2.709	15.1	21.9
436717 2011 UV_{98}			4 23.7 209.°63		1.°8/25.8 16	
3 22	14 26.58	−21 25.9	2.872	3.690	10.0	22.1
4 1	14 21.51	−21 6.4	2.780	3.685	7.6	21.9
4 11	14 15.08	−20 35.9	2.714	3.678	4.9	21.7
4 21	14 7.81	−19 55.6	2.675	3.672	2.3	21.5
5 1	14 0.35	−19 8.2	2.666	3.665	2.4	21.5
5 11	13 53.35	−18 17.6	2.687	3.658	5.1	21.7
5 21	13 47.39	−17 27.7	2.735	3.650	7.9	21.9
5 31	13 42.90	−16 42.6	2.808	3.642	10.3	22.0
181330 2006 QX_{109}			4 23.7 153.°89		2.°9/27.4 18	
3 22	14 28.64	−26 17.5	3.317	4.103	9.5	22.5
4 1	14 22.80	−26 16.3	3.235	4.113	7.5	22.4
4 11	14 15.74	−26 3.5	3.178	4.123	5.3	22.2
4 21	14 7.95	−25 39.8	3.150	4.132	3.4	22.1
5 1	14 0.03	−25 6.8	3.152	4.140	3.1	22.1
5 11	13 52.59	−24 27.4	3.183	4.148	4.7	22.2
5 21	13 46.15	−23 45.2	3.243	4.155	6.8	22.4
5 31	13 41.10	−23 3.8	3.329	4.162	8.9	22.5
1547 Nele			4 23.7 105.°93		5.°6/29.2 18	A
3 22	14 33.10	−31 45.5	2.124	2.900	14.5	15.5
4 1	14 26.59	−31 50.8	2.059	2.922	11.8	15.4
4 11	14 18.09	−31 35.0	2.016	2.944	8.9	15.2
4 21	14 8.45	−30 58.0	1.998	2.965	6.4	15.1
5 1	13 58.72	−30 2.4	2.008	2.986	5.7	15.1
5 11	13 49.94	−28 53.8	2.045	3.006	7.2	15.2
5 21	13 42.90	−27 39.4	2.108	3.026	9.7	15.4
5 31	13 38.12	−26 26.4	2.196	3.045	12.3	15.6
155800 2000 UT_{54}			4 23.7 273.°12		2.°8/21.3 18	
3 22	14 30.83	− 6 42.2	2.084	2.944	11.7	20.4
4 1	14 25.15	− 6 2.0	1.980	2.913	8.6	20.1
4 11	14 17.47	− 5 16.8	1.901	2.881	5.1	19.8
4 21	14 8.38	− 4 30.9	1.850	2.849	2.8	19.6
5 1	13 58.75	− 3 49.4	1.828	2.816	5.0	19.7
5 11	13 49.56	− 3 17.3	1.833	2.782	8.8	19.8
5 21	13 41.69	− 2 58.5	1.864	2.747	12.5	20.0
5 31	13 35.82	− 2 55.3	1.915	2.712	15.8	20.1
504343 2007 TK_{232}			4 23.7 195.°96		0.°1/23.6 17	
3 22	14 27.46	−14 34.1	2.444	3.289	10.7	22.2
4 1	14 22.27	−14 5.4	2.362	3.287	7.8	22.0
4 11	14 15.56	−13 28.3	2.306	3.285	4.5	21.8
4 21	14 7.93	−12 45.5	2.278	3.282	1.0	21.5
5 1	14 0.10	−12 0.6	2.280	3.279	2.7	21.7
5 11	13 52.83	−11 18.0	2.310	3.276	6.1	21.9
5 21	13 46.74	−10 41.5	2.367	3.273	9.3	22.1
5 31	13 42.31	−10 14.1	2.447	3.269	12.1	22.2
153897 2001 XV_{206}			4 23.7 174.°67		1.°0/22.8 17	
3 22	14 29.28	−12 19.7	2.113	2.966	11.8	21.0
4 1	14 23.73	−11 37.6	2.039	2.969	8.5	20.8
4 11	14 16.46	−10 47.3	1.989	2.970	4.8	20.6
4 21	14 8.13	− 9 52.6	1.968	2.972	1.2	20.3
5 1	13 59.62	− 8 58.4	1.976	2.973	3.5	20.5
5 11	13 51.79	− 8 10.0	2.012	2.973	7.3	20.7
5 21	13 45.37	− 7 31.4	2.073	2.973	10.7	20.9
5 31	13 40.85	− 7 5.6	2.157	2.972	13.7	21.1
287257 2002 TW_{120}			4 23.7 266.°47		11.°4/26.2 18	
3 22	14 47.87	−28 13.3	1.150	1.965	22.0	20.4
4 1	14 40.12	−30 49.0	1.071	1.956	18.4	20.2
4 11	14 27.48	−33 9.7	1.012	1.948	14.7	19.9
4 21	14 10.76	−35 2.2	0.975	1.939	11.9	19.7
5 1	13 52.03	−36 15.0	0.963	1.930	11.8	19.7
5 11	13 34.14	−36 46.5	0.973	1.921	14.6	19.8
5 21	13 19.64	−36 45.5	1.004	1.912	18.6	20.0
5 31	13 10.15	−36 26.7	1.053	1.903	22.5	20.2
123460 2000 WQ_{141}			4 23.7 157.°74		2.°3/21.6 18	
3 22	14 30.72	− 6 22.6	2.438	3.292	10.4	19.6
4 1	14 24.51	− 5 55.9	2.369	3.299	7.5	19.4
4 11	14 16.79	− 5 27.1	2.327	3.306	4.4	19.2
4 21	14 8.20	− 4 59.3	2.314	3.313	2.3	19.1
5 1	13 59.47	− 4 36.2	2.330	3.319	4.0	19.2
5 11	13 51.38	− 4 20.8	2.376	3.324	7.1	19.4
5 21	13 44.53	− 4 15.2	2.447	3.329	10.0	19.6
5 31	13 39.39	− 4 20.6	2.542	3.333	12.5	19.8

338315 2002 VT_{55} 4 23.7 132°.56 0°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.91	−14 52.5	2.717	3.555	10.0	21.6
4 1	14 23.09	−14 35.2	2.649	3.569	7.3	21.4
4 11	14 15.93	−14 10.8	2.607	3.583	4.2	21.2
4 21	14 8.01	−13 41.4	2.593	3.597	1.0	21.0
5 1	13 59.99	−13 9.8	2.610	3.610	2.3	21.1
5 11	13 52.55	−12 39.5	2.657	3.623	5.4	21.4
5 21	13 46.25	−12 13.5	2.730	3.635	8.3	21.6
5 31	13 41.50	−11 54.5	2.828	3.646	10.7	21.7

273927 2007 JH_{3} 4 23.7 292°.85 2°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.95	− 6 36.0	1.804	2.667	13.1	19.8
4 1	14 27.04	− 6 27.7	1.702	2.636	9.6	19.5
4 11	14 18.73	− 6 16.9	1.624	2.605	5.7	19.2
4 21	14 8.70	− 6 6.8	1.572	2.573	2.6	18.9
5 1	13 57.95	− 6 1.6	1.548	2.541	5.0	19.0
5 11	13 47.67	− 6 5.2	1.552	2.509	9.3	19.2
5 21	13 38.94	− 6 20.4	1.580	2.477	13.6	19.3
5 31	13 32.56	− 6 49.1	1.628	2.445	17.3	19.5

370942 2005 RQ_{51} 4 23.7 226°.62 2°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.46	− 8 10.5	2.263	3.118	11.0	22.9
4 1	14 24.60	− 7 31.4	2.174	3.106	8.0	22.7
4 11	14 16.99	− 6 47.4	2.112	3.092	4.7	22.5
4 21	14 8.27	− 6 2.1	2.077	3.078	2.1	22.3
5 1	13 59.23	− 5 20.2	2.072	3.063	4.2	22.4
5 11	13 50.74	− 4 46.1	2.096	3.047	7.7	22.6
5 21	13 43.53	− 4 23.0	2.145	3.030	11.0	22.8
5 31	13 38.16	− 4 13.3	2.217	3.013	13.9	22.9

251694 1995 WP_{27} 4 23.7 259°.96 0°.1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.19	−13 14.0	1.703	2.559	14.1	21.1
4 1	14 27.21	−13 12.8	1.615	2.544	10.4	20.8
4 11	14 18.79	−13 2.8	1.549	2.529	6.1	20.5
4 21	14 8.69	−12 46.1	1.510	2.514	1.3	20.2
5 1	13 58.03	−12 26.3	1.498	2.498	3.6	20.3
5 11	13 48.06	−12 8.1	1.513	2.482	8.4	20.6
5 21	13 39.83	−11 56.1	1.552	2.466	12.8	20.8
5 31	13 34.12	−11 54.2	1.613	2.449	16.6	21.0

425570 2010 SV_{34} 4 23.7 244°.06 1°.6/22.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.59	−10 35.6	1.837	2.696	13.0	21.8
4 1	14 25.82	−10 0.5	1.747	2.680	9.5	21.6
4 11	14 17.88	− 9 17.2	1.683	2.664	5.5	21.3
4 21	14 8.49	− 8 29.6	1.645	2.648	1.7	21.0
5 1	13 58.63	− 7 43.2	1.635	2.630	4.3	21.1
5 11	13 49.44	− 7 3.6	1.652	2.612	8.6	21.4
5 21	13 41.82	− 6 35.5	1.694	2.594	12.7	21.6
5 31	13 36.47	− 6 22.3	1.758	2.575	16.2	21.8

176033 2000 SH_{177} 4 23.7 162°.15 2°.3/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.20	−21 41.4	2.855	3.668	10.2	20.8
4 1	14 23.39	−21 48.4	2.773	3.672	7.8	20.6
4 11	14 16.17	−21 45.2	2.716	3.677	5.2	20.4
4 21	14 8.08	−21 32.5	2.687	3.680	2.8	20.3
5 1	13 59.79	−21 11.9	2.688	3.684	2.7	20.3
5 11	13 52.02	−20 46.4	2.718	3.687	5.1	20.4
5 21	13 45.34	−20 19.6	2.776	3.690	7.8	20.6
5 31	13 40.21	−19 54.8	2.859	3.693	10.2	20.8

523044 2016 PM_{127} 4 23.7 211°.76 3°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.93	− 4 25.8	2.740	3.604	9.1	22.0
4 1	14 19.54	− 3 20.2	2.667	3.601	6.6	21.8
4 11	14 13.94	− 2 12.6	2.621	3.598	4.1	21.6
4 21	14 7.60	− 1 7.2	2.603	3.594	3.1	21.6
5 1	14 1.12	− 0 8.7	2.615	3.591	4.7	21.7
5 11	13 55.11	+ 0 39.2	2.655	3.587	7.2	21.8
5 21	13 50.07	+ 1 13.9	2.721	3.584	9.7	22.0
5 31	13 46.41	+ 1 34.2	2.808	3.580	11.9	22.1

353600 2011 UV 4 23.7 217°.60 1°.3/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.70	−19 43.4	2.955	3.778	9.6	21.9
4 1	14 21.58	−19 20.1	2.860	3.769	7.2	21.7
4 11	14 15.13	−18 46.8	2.790	3.759	4.5	21.5
4 21	14 7.86	−18 4.9	2.749	3.749	1.8	21.3
5 1	14 0.39	−17 17.3	2.739	3.739	2.2	21.3
5 11	13 53.35	−16 27.6	2.758	3.728	5.0	21.5
5 21	13 47.30	−15 39.7	2.804	3.716	7.8	21.6
5 31	13 42.68	−14 57.2	2.876	3.704	10.3	21.8

24451 2000 QS_{104} 4 23.7 233°.70 0°.5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 21.83	−16 0.7	4.936	5.764	6.0	18.1
4 1	14 17.63	−16 0.4	4.843	5.757	4.4	18.0
4 11	14 12.70	−15 56.1	4.778	5.751	2.6	17.9
4 21	14 7.33	−15 48.5	4.742	5.744	0.8	17.7
5 1	14 1.85	−15 38.9	4.737	5.737	1.3	17.8
5 11	13 56.59	−15 28.7	4.763	5.731	3.2	17.9
5 21	13 51.87	−15 19.4	4.817	5.724	4.9	18.0
5 31	13 47.93	−15 12.4	4.897	5.717	6.5	18.1

382776 2003 SS_{102} 4 23.7 167°.05 3°.0/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.53	−24 21.3	2.661	3.463	11.2	22.2
4 1	14 24.46	−24 22.3	2.578	3.468	8.7	22.0
4 11	14 16.82	−24 10.5	2.519	3.473	6.0	21.9
4 21	14 8.23	−23 46.2	2.489	3.477	3.5	21.7
5 1	13 59.43	−23 11.7	2.487	3.480	3.3	21.7
5 11	13 51.22	−22 30.5	2.515	3.483	5.6	21.9
5 21	13 44.24	−21 47.1	2.570	3.485	8.3	22.0
5 31	13 38.98	−21 6.0	2.651	3.487	10.8	22.2

510480 2011 WX_{114} 4 23.7 217°.41 4°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.64	+ 3 18.6	3.018	3.871	8.6	22.4
4 1	14 22.12	+ 3 55.8	2.942	3.862	6.6	22.3
4 11	14 15.39	+ 4 29.5	2.892	3.853	4.9	22.1
4 21	14 7.92	+ 4 56.3	2.871	3.843	4.4	22.1
5 1	14 0.28	+ 5 13.0	2.879	3.833	5.6	22.2
5 11	13 53.08	+ 5 17.4	2.916	3.822	7.7	22.3
5 21	13 46.81	+ 5 8.7	2.978	3.811	9.8	22.4
5 31	13 41.89	+ 4 47.1	3.061	3.799	11.7	22.5

156959 2003 HK_{24} 4 23.7 235°.58 1°.3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.42	−11 3.2	1.872	2.733	12.7	20.8
4 1	14 24.10	−10 33.6	1.795	2.728	9.2	20.6
4 11	14 16.80	− 9 56.5	1.742	2.724	5.3	20.3
4 21	14 8.24	− 9 15.7	1.716	2.719	1.5	20.0
5 1	13 59.40	− 8 36.0	1.718	2.714	3.9	20.2
5 11	13 51.27	− 8 2.5	1.746	2.709	8.0	20.4
5 21	13 44.68	− 7 39.4	1.800	2.704	11.8	20.7
5 31	13 40.22	− 7 29.5	1.875	2.699	15.1	20.9

415359 2013 KD_{2} 4 23.7 342°.33 1°.4/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.91	−19 7.2	1.258	2.125	17.3	20.1
4 1	14 23.10	−18 31.5	1.186	2.120	12.9	19.9
4 11	14 16.56	−17 34.4	1.136	2.115	7.9	19.6
4 21	14 8.22	−16 19.9	1.108	2.110	2.6	19.2
5 1	13 59.46	−14 55.5	1.104	2.106	3.9	19.3
5 11	13 51.73	−13 31.9	1.125	2.103	9.4	19.6
5 21	13 46.19	−12 18.8	1.168	2.101	14.4	19.9
5 31	13 43.54	−11 23.6	1.230	2.099	18.7	20.1

68600 2002 AS_{64} 4 23.7 354°.57 5°.4/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.73	− 6 12.0	1.032	1.936	17.1	18.2
4 1	14 20.98	− 4 50.3	0.976	1.930	12.5	17.9
4 11	14 15.39	− 3 20.7	0.939	1.925	7.7	17.6
4 21	14 7.97	− 1 54.2	0.924	1.922	5.4	17.5
5 1	14 0.18	− 0 42.8	0.932	1.919	8.6	17.7
5 11	13 53.55	+ 0 3.8	0.961	1.919	13.5	17.9
5 21	13 49.19	+ 0 21.1	1.008	1.920	18.2	18.2
5 31	13 47.80	+ 0 8.9	1.072	1.922	22.2	18.4

76704 2000 HT_{88} 4 23.7 295°.65 0°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.98	−12 38.1	2.033	2.891	12.0	19.9
4 1	14 22.18	−12 3.0	1.956	2.889	8.7	19.7
4 11	14 15.63	−11 19.5	1.904	2.886	4.9	19.4
4 21	14 7.99	−10 31.1	1.879	2.883	1.1	19.1
5 1	14 0.12	− 9 42.7	1.883	2.881	3.4	19.3
5 11	13 52.91	− 8 59.2	1.913	2.878	7.3	19.5
5 21	13 47.08	− 8 25.1	1.969	2.876	10.9	19.7
5 31	13 43.16	− 8 3.4	2.047	2.873	13.9	19.9

11542 Solikamsk 4 23.7 131°.14 0°.6/24.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.15	−16 35.1	3.811	4.640	7.5	18.3
4 1	14 19.40	−16 22.8	3.737	4.652	5.5	18.1
4 11	14 13.75	−16 4.7	3.691	4.664	3.3	18.0
4 21	14 7.56	−15 42.2	3.673	4.675	1.0	17.8
5 1	14 1.30	−15 17.2	3.686	4.687	1.7	17.9
5 11	13 55.40	−14 52.0	3.729	4.697	3.9	18.1
5 21	13 50.26	−14 28.7	3.801	4.708	6.1	18.2
5 31	13 46.18	−14 9.4	3.897	4.718	8.0	18.4

276825 2004 PM_{101} 4 23.7 307°.53 8°.7/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.87	−27 39.1	1.242	2.074	19.6	20.1
4 1	14 28.54	−28 53.8	1.140	2.040	16.3	19.8
4 11	14 20.46	−29 49.7	1.057	2.006	12.6	19.5
4 21	14 9.24	−30 20.0	0.994	1.972	9.4	19.2
5 1	13 56.33	−30 20.1	0.954	1.939	9.0	19.0
5 11	13 43.81	−29 52.0	0.936	1.906	12.2	19.1
5 21	13 33.68	−29 4.1	0.939	1.873	16.9	19.2
5 31	13 27.46	−28 8.8	0.959	1.841	21.7	19.4

181636 2006 XT_{25} 4 23.7 93°.73 1°.4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.81	−19 7.2	2.398	3.232	11.2	20.8
4 1	14 21.81	−18 47.5	2.326	3.242	8.4	20.7
4 11	14 15.30	−18 16.7	2.280	3.251	5.2	20.5
4 21	14 7.91	−17 37.0	2.260	3.261	2.0	20.3
5 1	14 0.39	−16 51.7	2.270	3.270	2.5	20.3
5 11	13 53.49	−16 5.3	2.308	3.280	5.7	20.6
5 21	13 47.84	−15 22.0	2.372	3.289	8.8	20.8
5 31	13 43.87	−14 45.8	2.460	3.298	11.5	21.0

431812 2008 RF_{36} 4 23.7 256°.32 0°.6/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.86	−16 12.5	1.940	2.789	12.9	21.6
4 1	14 23.73	−15 51.0	1.855	2.780	9.5	21.4
4 11	14 16.63	−15 18.0	1.794	2.772	5.6	21.1
4 21	14 8.24	−14 36.0	1.760	2.763	1.5	20.8
5 1	13 59.51	−13 49.2	1.753	2.754	3.0	20.9
5 11	13 51.44	−13 3.0	1.774	2.745	7.2	21.2
5 21	13 44.87	−12 22.8	1.821	2.736	11.1	21.4
5 31	13 40.41	−11 52.9	1.889	2.727	14.5	21.6

421338 2013 TX_{87} 4 23.7 107°.58 0°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 21.82	−17 22.2	4.405	5.231	6.6	21.2
4 1	14 17.69	−17 19.6	4.320	5.233	4.9	21.1
4 11	14 12.77	−17 11.8	4.263	5.234	3.0	20.9
4 21	14 7.37	−16 59.9	4.235	5.235	1.1	20.8
5 1	14 1.87	−16 45.2	4.236	5.237	1.5	20.8
5 11	13 56.65	−16 29.6	4.268	5.238	3.4	21.0
5 21	13 52.03	−16 14.7	4.329	5.239	5.3	21.1
5 31	13 48.30	−16 2.3	4.414	5.240	7.0	21.2

513018 2017 UY_{49} 4 23.7 156°.43 4°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.64	+ 0 2.0	2.623	3.487	9.4	21.8
4 1	14 20.79	+ 0 59.7	2.561	3.491	7.0	21.7
4 11	14 14.66	+ 1 55.9	2.525	3.494	4.9	21.5
4 21	14 7.79	+ 2 46.0	2.517	3.498	4.2	21.5
5 1	14 0.81	+ 3 26.0	2.538	3.501	5.7	21.6
5 11	13 54.36	+ 3 52.8	2.587	3.504	8.0	21.8
5 21	13 48.97	+ 4 4.8	2.660	3.507	10.4	21.9
5 31	13 45.03	+ 4 1.9	2.754	3.510	12.5	22.1

413792 2006 HU_{101} 4 23.7 315°.34 4°.2/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.64	− 6 44.2	1.205	2.095	16.2	20.3
4 1	14 23.89	− 5 55.9	1.123	2.071	11.9	20.0
4 11	14 17.22	− 4 59.7	1.061	2.046	7.2	19.6
4 21	14 8.45	− 4 2.8	1.023	2.022	4.2	19.4
5 1	13 58.90	− 3 14.4	1.008	1.999	7.3	19.5
5 11	13 50.15	− 2 43.0	1.015	1.976	12.6	19.7
5 21	13 43.52	− 2 34.2	1.043	1.955	17.7	19.9
5 31	13 39.95	− 2 50.2	1.087	1.934	22.1	20.1

353781 2012 JO_{23} 4 23.7 302°.67 1°.9/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.45	−13 17.9	1.564	2.436	14.2	19.7
4 1	14 21.63	−11 51.1	1.478	2.417	10.3	19.4
4 11	14 15.58	−10 7.7	1.415	2.399	5.9	19.1
4 21	14 8.05	− 8 14.4	1.378	2.381	2.0	18.8
5 1	14 0.08	− 6 21.0	1.369	2.364	5.1	19.0
5 11	13 52.85	− 4 37.9	1.385	2.346	9.9	19.2
5 21	13 47.31	− 3 13.6	1.425	2.329	14.3	19.4
5 31	13 44.14	− 2 13.3	1.484	2.312	18.2	19.6

393052 2013 AD_{48} 4 23.7 145°.20 3°.4/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.33	−25 2.5	2.576	3.379	11.5	21.5
4 1	14 23.68	−25 13.7	2.495	3.384	9.0	21.3
4 11	14 16.43	−25 11.8	2.438	3.389	6.3	21.2
4 21	14 8.19	−24 57.0	2.408	3.394	3.9	21.0
5 1	13 59.73	−24 31.0	2.407	3.398	3.6	21.0
5 11	13 51.85	−23 57.3	2.435	3.403	5.7	21.1
5 21	13 45.22	−23 20.2	2.489	3.407	8.4	21.3
5 31	13 40.32	−22 44.3	2.568	3.411	10.9	21.5

415451 2013 TP_{53} 4 23.7 58°.54 2°.0/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.33	−21 58.7	1.722	2.562	14.6	20.2
4 1	14 22.65	−21 12.4	1.657	2.574	11.0	20.0
4 11	14 15.95	−20 7.3	1.615	2.586	7.0	19.8
4 21	14 8.09	−18 47.2	1.598	2.598	2.9	19.6
5 1	14 0.10	−17 18.3	1.609	2.610	3.2	19.6
5 11	13 53.04	−15 49.0	1.647	2.622	7.2	19.9
5 21	13 47.69	−14 27.1	1.710	2.634	11.1	20.2
5 31	13 44.57	−13 18.7	1.795	2.647	14.5	20.4

12444 Prothoon 4 23.7 302°.50 0°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 19.93	−15 30.9	4.235	5.073	6.7	17.0
4 1	14 16.36	−14 40.0	4.146	5.068	4.8	16.8
4 11	14 12.02	−13 43.3	4.085	5.063	2.8	16.7
4 21	14 7.23	−12 42.7	4.054	5.058	0.6	16.5
5 1	14 2.35	−11 41.0	4.054	5.053	1.7	16.6
5 11	13 57.77	−10 40.9	4.084	5.048	3.8	16.7
5 21	13 53.80	− 9 45.1	4.143	5.043	5.8	16.9
5 31	13 50.71	− 8 55.7	4.228	5.038	7.6	17.0

131539 2001 US_{133} 4 23.7 231°.87 0°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 20.00	−14 33.9	4.694	5.531	6.1	20.6
4 1	14 16.36	−14 14.8	4.606	5.527	4.4	20.5
4 11	14 12.01	−13 51.5	4.545	5.522	2.6	20.4
4 21	14 7.23	−13 25.4	4.513	5.517	0.6	20.2
5 1	14 2.36	−12 58.1	4.512	5.512	1.4	20.3
5 11	13 57.74	−12 31.5	4.541	5.507	3.4	20.4
5 21	13 53.66	−12 7.4	4.598	5.502	5.2	20.5
5 31	13 50.38	−11 47.4	4.681	5.497	6.8	20.7

495361 2014 OT_{96} 4 23.7 237°.38 5°.3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.70	− 2 50.0	1.692	2.564	13.3	22.0
4 1	14 25.24	− 1 28.2	1.615	2.551	9.9	21.7
4 11	14 17.58	− 0 3.0	1.562	2.538	6.6	21.5
4 21	14 8.49	+ 1 17.8	1.535	2.524	5.3	21.4
5 1	13 59.00	+ 2 25.9	1.536	2.509	7.7	21.5
5 11	13 50.26	+ 3 14.6	1.563	2.493	11.4	21.7
5 21	13 43.18	+ 3 40.3	1.612	2.477	15.1	21.8
5 31	13 38.44	+ 3 42.3	1.679	2.461	18.3	22.0

17034 Vasylshev 4 23.7 257°.17 2°.6/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.24	−20 4.5	1.919	2.752	13.7	17.9
4 1	14 26.40	−20 17.0	1.826	2.738	10.5	17.7
4 11	14 18.30	−20 16.7	1.756	2.724	6.8	17.4
4 21	14 8.66	−20 3.6	1.712	2.709	3.2	17.2
5 1	13 58.48	−19 39.8	1.696	2.695	3.6	17.1
5 11	13 48.93	−19 9.8	1.707	2.679	7.3	17.3
5 21	13 40.96	−18 38.9	1.744	2.664	11.2	17.5
5 31	13 35.32	−18 12.6	1.803	2.648	14.7	17.7

7507 Israel 4 23.7 285°.72 1°.6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.69	−19 4.8	1.522	2.375	15.6	18.1
4 1	14 25.04	−18 40.8	1.426	2.351	11.8	17.8
4 11	14 17.75	−17 58.2	1.351	2.327	7.4	17.5
4 21	14 8.57	−16 58.9	1.301	2.303	2.6	17.2
5 1	13 58.69	−15 47.9	1.278	2.279	3.7	17.2
5 11	13 49.49	−14 33.6	1.279	2.255	8.9	17.4
5 21	13 42.17	−13 24.7	1.305	2.230	13.8	17.6
5 31	13 37.58	−12 29.0	1.350	2.206	18.1	17.8

300826 2007 XJ_{13} 4 23.7 172°.03 3°.1/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.92	−25 19.0	2.494	3.300	11.7	20.7
4 1	14 22.69	−25 6.0	2.410	3.302	9.2	20.5
4 11	14 15.88	−24 38.1	2.350	3.304	6.3	20.3
4 21	14 8.09	−23 56.5	2.317	3.305	3.8	20.2
5 1	14 0.11	−23 3.7	2.312	3.306	3.4	20.1
5 11	13 52.73	−22 4.4	2.336	3.307	5.7	20.3
5 21	13 46.61	−21 3.9	2.387	3.307	8.6	20.5
5 31	13 42.23	−20 7.1	2.463	3.308	11.3	20.7

274402 2008 RW_{125} 4 23.7 82°.48 0°.8/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.36	−17 27.3	1.846	2.695	13.4	20.5
4 1	14 23.32	−16 57.1	1.777	2.702	9.9	20.2
4 11	14 16.34	−16 13.9	1.731	2.708	5.9	20.0
4 21	14 8.20	−15 20.8	1.712	2.715	1.7	19.8
5 1	13 59.86	−14 22.7	1.720	2.721	3.0	19.9
5 11	13 52.34	−13 26.0	1.755	2.727	7.2	20.1
5 21	13 46.41	−12 36.3	1.816	2.734	11.0	20.4
5 31	13 42.61	−11 58.0	1.898	2.740	14.2	20.6

242722 2005 UX_{154} 4 23.7 168°.28 0°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.60	−13 56.5	2.320	3.163	11.2	22.2
4 1	14 24.59	−13 31.0	2.244	3.168	8.2	22.0
4 11	14 16.95	−12 57.4	2.194	3.173	4.7	21.8
4 21	14 8.33	−12 18.4	2.172	3.176	1.0	21.5
5 1	13 59.52	−11 37.7	2.180	3.179	2.8	21.7
5 11	13 51.36	−10 59.7	2.217	3.181	6.5	21.9
5 21	13 44.53	−10 28.1	2.280	3.183	9.7	22.1
5 31	13 39.50	−10 6.0	2.367	3.184	12.5	22.3

309784 2008 YD_{161} 4 23.7 23°.00 1°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.72	−11 13.3	1.200	2.081	17.0	20.8
4 1	14 25.82	−10 55.2	1.142	2.085	12.3	20.5
4 11	14 18.09	−10 27.5	1.104	2.089	7.0	20.2
4 21	14 8.61	− 9 54.9	1.090	2.094	1.8	19.9
5 1	13 58.81	− 9 23.9	1.100	2.100	4.9	20.1
5 11	13 50.20	− 9 1.2	1.134	2.106	10.3	20.4
5 21	13 43.91	− 8 51.7	1.190	2.113	15.1	20.7
5 31	13 40.61	− 8 58.1	1.264	2.120	19.1	21.0

34054 2000 OE_{39} 4 23.7 241°.71 2°.4/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.88	−23 17.2	2.457	3.274	11.5	19.7
4 1	14 22.00	−22 54.8	2.364	3.265	8.9	19.5
4 11	14 15.53	−22 18.1	2.295	3.256	5.9	19.3
4 21	14 8.03	−21 28.5	2.253	3.247	3.1	19.1
5 1	14 0.28	−20 29.0	2.239	3.237	3.0	19.1
5 11	13 53.08	−19 24.5	2.255	3.227	5.8	19.3
5 21	13 47.09	−18 20.3	2.297	3.217	8.9	19.4
5 31	13 42.83	−17 21.6	2.364	3.207	11.7	19.6

182755 2001 XF_{143} 4 23.7 257°.47 3°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.65	− 5 20.1	2.085	2.946	11.6	20.4
4 1	14 24.98	− 4 34.1	1.990	2.923	8.5	20.1
4 11	14 17.37	− 3 44.5	1.921	2.900	5.2	19.9
4 21	14 8.46	− 2 55.7	1.879	2.875	3.3	19.7
5 1	13 59.11	− 2 13.3	1.866	2.850	5.4	19.8
5 11	13 50.27	− 1 42.0	1.881	2.825	9.0	19.9
5 21	13 42.78	− 1 25.3	1.920	2.798	12.5	20.1
5 31	13 37.26	− 1 24.9	1.981	2.771	15.6	20.3

291855 Calabr`ocorrado 4 23.7 255°.05 0°.7/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.48	−16 46.1	1.825	2.672	13.7	21.4
4 1	14 25.90	−16 23.8	1.729	2.653	10.2	21.2
4 11	14 18.05	−15 48.1	1.656	2.633	6.1	20.9
4 21	14 8.62	−15 1.3	1.610	2.613	1.7	20.5
5 1	13 58.66	−14 7.6	1.592	2.592	3.3	20.6
5 11	13 49.31	−13 13.4	1.601	2.571	7.9	20.8
5 21	13 41.58	−12 24.9	1.635	2.549	12.2	21.0
5 31	13 36.20	−11 47.5	1.690	2.527	15.9	21.2

283547 2001 UQ_{124} 4 23.7 201°.21 4°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.53	+ 2 49.3	2.616	3.475	9.6	21.1
4 1	14 22.20	+ 3 38.2	2.547	3.471	7.3	21.0
4 11	14 15.52	+ 4 23.7	2.505	3.468	5.4	20.8
4 21	14 8.03	+ 5 1.4	2.491	3.464	4.9	20.8
5 1	14 0.38	+ 5 27.4	2.505	3.459	6.3	20.9
5 11	13 53.26	+ 5 39.1	2.546	3.454	8.5	21.0
5 21	13 47.22	+ 5 35.5	2.612	3.449	10.9	21.2
5 31	13 42.69	+ 5 16.8	2.699	3.444	13.0	21.3

332578 2008 SM_{80} 4 23.7 277°.95 1°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.92	−19 38.3	1.983	2.822	13.0	20.9
4 1	14 23.18	−18 45.3	1.877	2.796	9.8	20.6
4 11	14 16.42	−17 34.4	1.795	2.770	6.0	20.4
4 21	14 8.27	−16 8.4	1.740	2.743	1.9	20.0
5 1	13 59.65	−14 32.9	1.714	2.715	3.0	20.0
5 11	13 51.59	−12 55.7	1.716	2.687	7.4	20.3
5 21	13 44.96	−11 24.7	1.744	2.659	11.5	20.4
5 31	13 40.43	−10 6.7	1.795	2.630	15.2	20.6

48958 1998 QD_{26} 4 23.7 311°.83 1°.0/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.46	−13 9.9	1.360	2.236	15.7	18.5
4 1	14 23.50	−12 34.5	1.275	2.216	11.5	18.2
4 11	14 16.89	−11 45.3	1.211	2.195	6.7	17.8
4 21	14 8.41	−10 46.8	1.171	2.176	1.5	17.4
5 1	13 59.29	− 9 45.9	1.157	2.156	4.6	17.6
5 11	13 50.95	− 8 51.3	1.166	2.137	10.1	17.8
5 21	13 44.56	− 8 10.2	1.197	2.119	15.1	18.1
5 31	13 40.96	− 7 47.7	1.247	2.101	19.4	18.3

143372 2003 BB_{11} 4 23.7 43°.71 4°.3/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.20	−26 13.9	2.128	2.936	13.4	19.7
4 1	14 23.92	−26 30.3	2.050	2.940	10.6	19.5
4 11	14 16.72	−26 30.7	1.995	2.944	7.6	19.3
4 21	14 8.32	−26 14.7	1.965	2.949	5.0	19.1
5 1	13 59.63	−25 44.2	1.963	2.953	4.5	19.1
5 11	13 51.65	−25 3.7	1.988	2.958	6.7	19.3
5 21	13 45.17	−24 18.7	2.039	2.962	9.7	19.4
5 31	13 40.75	−23 34.9	2.113	2.967	12.5	19.6

391388 2006 WP_{164} 4 23.7 93°.32 2°.1/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.37	−21 51.7	2.320	3.147	11.8	21.0
4 1	14 21.62	−21 27.0	2.242	3.150	9.0	20.8
4 11	14 15.29	−20 48.5	2.187	3.154	5.8	20.7
4 21	14 7.99	−19 58.2	2.160	3.157	2.7	20.5
5 1	14 0.52	−18 59.8	2.161	3.160	2.8	20.5
5 11	13 53.68	−17 58.3	2.190	3.164	5.9	20.7
5 21	13 48.12	−16 59.1	2.246	3.167	9.0	20.9
5 31	13 44.32	−16 6.7	2.326	3.170	11.9	21.1

373601 2002 CU_{227} 4 23.7 119°.62 3°.1/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.52	−24 3.3	2.043	2.861	13.5	21.3
4 1	14 24.77	−23 48.3	1.973	2.874	10.4	21.1
4 11	14 17.14	−23 16.6	1.926	2.886	7.0	20.9
4 21	14 8.39	−22 29.7	1.905	2.898	3.8	20.8
5 1	13 59.49	−21 31.3	1.913	2.910	3.6	20.8
5 11	13 51.43	−20 27.4	1.949	2.921	6.5	21.0
5 21	13 44.95	−19 24.3	2.011	2.932	9.9	21.2
5 31	13 40.57	−18 27.7	2.096	2.943	12.9	21.4

98029 2000 RE_{7} 4 23.7 210°.75 2°.0/22.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.32	−11 1.8	1.724	2.587	13.5	20.1
4 1	14 24.91	−10 1.8	1.647	2.583	9.8	19.9
4 11	14 17.36	− 8 51.8	1.595	2.577	5.6	19.6
4 21	14 8.47	− 7 37.2	1.569	2.572	2.1	19.4
5 1	13 59.27	− 6 25.3	1.572	2.566	4.7	19.5
5 11	13 50.86	− 5 23.2	1.601	2.559	9.0	19.8
5 21	13 44.14	− 4 36.3	1.654	2.552	13.1	20.0
5 31	13 39.71	− 4 7.7	1.728	2.545	16.5	20.2

433553 2013 XT_{9} 4 23.7 254°.10 1°.7/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.18	−19 21.6	2.168	2.999	12.4	21.5
4 1	14 25.44	−19 9.8	2.064	2.977	9.4	21.3
4 11	14 17.69	−18 45.2	1.984	2.955	5.9	21.0
4 21	14 8.56	−18 8.8	1.932	2.932	2.4	20.7
5 1	13 58.94	−17 23.6	1.908	2.908	3.0	20.7
5 11	13 49.83	−16 34.6	1.912	2.883	6.8	20.9
5 21	13 42.08	−15 47.0	1.944	2.858	10.5	21.1
5 31	13 36.37	−15 6.3	1.998	2.833	13.9	21.3

108578 2001 MQ_{7} 4 23.7 46°.69 2°.0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 23.82	−10 16.5	2.308	3.171	10.6	19.4
4 1	14 19.65	− 9 0.7	2.243	3.179	7.5	19.2
4 11	14 14.09	− 7 38.2	2.204	3.186	4.3	19.0
4 21	14 7.73	− 6 14.2	2.193	3.193	2.0	18.9
5 1	14 1.27	− 4 54.5	2.211	3.201	4.0	19.0
5 11	13 55.41	− 3 44.5	2.257	3.209	7.2	19.2
5 21	13 50.72	− 2 48.1	2.329	3.217	10.2	19.4
5 31	13 47.61	− 2 7.6	2.424	3.225	12.8	19.6

238454 2004 QW_{9} 4 23.7 279°.25 0°.4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.39	−14 27.4	1.437	2.298	15.8	20.9
4 1	14 27.91	−14 25.5	1.345	2.277	11.8	20.5
4 11	14 19.52	−14 12.0	1.274	2.255	7.0	20.2
4 21	14 9.02	−13 48.7	1.229	2.232	1.7	19.8
5 1	13 57.68	−13 19.6	1.209	2.210	4.0	19.9
5 11	13 47.04	−12 51.0	1.214	2.187	9.6	20.2
5 21	13 38.41	−12 29.1	1.243	2.164	14.7	20.4
5 31	13 32.74	−12 19.3	1.291	2.141	19.1	20.6

425221 2009 VT_{66} 4 23.7 81°.26 0°.3/23.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.40	−15 8.5	1.854	2.703	13.4	21.9
4 1	14 25.35	−14 48.9	1.800	2.727	9.7	21.7
4 11	14 17.42	−14 19.3	1.771	2.750	5.6	21.5
4 21	14 8.45	−13 42.7	1.769	2.773	1.3	21.2
5 1	13 59.45	−13 3.7	1.795	2.795	3.1	21.4
5 11	13 51.38	−12 27.3	1.848	2.818	7.1	21.7
5 21	13 45.00	−11 57.9	1.927	2.840	10.7	22.0
5 31	13 40.77	−11 38.7	2.028	2.861	13.8	22.2

233264 2005 YP_{206} 4 23.7 139°.20 4°.9/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.18	−30 12.7	2.208	2.993	13.7	21.0
4 1	14 25.26	−30 9.6	2.131	3.003	11.1	20.8
4 11	14 17.44	−29 46.8	2.077	3.012	8.2	20.7
4 21	14 8.48	−29 4.5	2.048	3.021	5.7	20.5
5 1	13 59.32	−28 5.2	2.046	3.030	5.0	20.5
5 11	13 50.97	−26 54.4	2.073	3.038	6.8	20.6
5 21	13 44.20	−25 38.8	2.126	3.046	9.5	20.8
5 31	13 39.53	−24 25.4	2.203	3.053	12.2	21.0

232101 2001 XR_{143} 4 23.7 218°.65 2°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.78	− 7 49.4	2.302	3.156	10.9	22.0
4 1	14 24.83	− 7 14.4	2.216	3.146	7.9	21.8
4 11	14 17.17	− 6 35.1	2.156	3.136	4.6	21.5
4 21	14 8.43	− 5 55.2	2.124	3.124	2.2	21.4
5 1	13 59.40	− 5 18.7	2.122	3.112	4.1	21.5
5 11	13 50.93	− 4 50.0	2.148	3.099	7.5	21.7
5 21	13 43.73	− 4 31.9	2.200	3.085	10.8	21.8
5 31	13 38.33	− 4 26.4	2.275	3.071	13.6	22.0

498444 2008 AV_{115} 4 23.7 153°.72 5°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.24	−33 53.0	2.927	3.675	11.5	22.4
4 1	14 24.30	−34 9.9	2.843	3.682	9.6	22.2
4 11	14 16.80	−34 10.5	2.781	3.689	7.6	22.1
4 21	14 8.34	−33 54.1	2.746	3.696	5.9	22.0
5 1	13 59.67	−33 21.7	2.738	3.702	5.3	22.0
5 11	13 51.57	−32 36.4	2.758	3.707	6.2	22.0
5 21	13 44.69	−31 42.8	2.806	3.712	8.0	22.2
5 31	13 39.53	−30 46.1	2.878	3.717	10.0	22.3

10770 Belo Horizonte 4 23.7 228°.35 2°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.67	− 8 39.3	2.460	3.320	10.1	18.5
4 1	14 21.00	− 7 44.2	2.380	3.314	7.3	18.3
4 11	14 14.90	− 6 43.8	2.326	3.307	4.2	18.1
4 21	14 7.93	− 5 42.3	2.301	3.301	2.1	17.9
5 1	14 0.76	− 4 44.5	2.304	3.294	4.0	18.1
5 11	13 54.12	− 3 54.7	2.336	3.287	7.1	18.2
5 21	13 48.58	− 3 16.6	2.394	3.279	10.1	18.4
5 31	13 44.61	− 2 52.0	2.475	3.272	12.6	18.6

98579 2000 WN_{40} 4 23.7 138°.87 4°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.15	− 4 20.0	1.626	2.498	13.7	19.9
4 1	14 25.45	− 3 19.8	1.567	2.504	10.0	19.7
4 11	14 17.62	− 2 17.5	1.531	2.510	6.3	19.5
4 21	14 8.52	− 1 19.7	1.522	2.516	4.4	19.4
5 1	13 59.26	− 0 33.2	1.540	2.521	6.6	19.5
5 11	13 50.93	− 0 3.3	1.583	2.526	10.4	19.8
5 21	13 44.39	+ 0 7.4	1.650	2.531	14.0	20.0
5 31	13 40.19	− 0 1.4	1.736	2.535	17.1	20.2

420878 2013 KP_{18} 4 23.7 294°.11 1°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.65	−11 25.0	1.446	2.317	15.2	20.8
4 1	14 25.84	−10 59.9	1.353	2.291	11.2	20.5
4 11	14 18.29	−10 24.3	1.281	2.265	6.5	20.1
4 21	14 8.76	− 9 42.1	1.235	2.238	1.7	19.7
5 1	13 58.44	− 8 59.2	1.214	2.212	4.8	19.9
5 11	13 48.78	− 8 22.8	1.218	2.186	10.1	20.1
5 21	13 41.01	− 7 59.0	1.244	2.160	15.1	20.3
5 31	13 36.04	− 7 52.2	1.290	2.134	19.5	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
35167 1993 RX_{13}			4 23.7 330°.97		0°.5/24.1 18	
	h m	° ′			°	m
3 22	14 26.36	−15 44.3	2.074	2.925	12.1	18.6
4 1	14 21.82	−15 27.2	1.992	2.919	8.9	18.4
4 11	14 15.51	−15 0.0	1.934	2.912	5.3	18.2
4 21	14 8.08	−14 25.3	1.903	2.906	1.4	17.9
5 1	14 0.37	−13 46.7	1.900	2.900	2.8	18.0
5 11	13 53.27	−13 9.0	1.924	2.895	6.7	18.2
5 21	13 47.51	−12 36.6	1.973	2.890	10.3	18.4
5 31	13 43.65	−12 13.3	2.045	2.885	13.4	18.6
496920 2001 TJ_{160}			4 23.7	0°.69	1°.4/24.9 17	
3 22	14 25.13	−20 46.9	1.417	2.276	16.2	20.0
4 1	14 21.53	−19 47.1	1.346	2.274	12.1	19.8
4 11	14 15.56	−18 24.6	1.296	2.273	7.5	19.5
4 21	14 8.10	−16 44.3	1.271	2.273	2.5	19.2
5 1	14 0.36	−14 54.8	1.272	2.274	3.5	19.2
5 11	13 53.60	−13 7.1	1.298	2.275	8.5	19.5
5 21	13 48.76	−11 31.4	1.347	2.277	13.1	19.8
5 31	13 46.45	−10 14.9	1.418	2.279	17.1	20.1
283549 2001 UJ_{134}			4 23.7 249°.35		0°.5/24.7 18	
3 22	14 20.13	−18 30.1	4.729	5.553	6.3	20.9
4 1	14 16.47	−17 46.2	4.633	5.544	4.6	20.7
4 11	14 12.10	−16 56.0	4.564	5.536	2.8	20.6
4 21	14 7.31	−16 1.0	4.525	5.527	0.9	20.4
5 1	14 2.44	−15 3.4	4.518	5.519	1.4	20.5
5 11	13 57.84	−14 5.7	4.541	5.510	3.3	20.6
5 21	13 53.79	−13 10.4	4.594	5.501	5.1	20.7
5 31	13 50.55	−12 19.6	4.673	5.492	6.8	20.9
471481 2011 UP_{386}			4 23.7 246°.41		3°.1/20.3 17	
3 22	14 26.82	− 3 50.9	2.681	3.541	9.4	22.4
4 1	14 21.78	− 3 4.5	2.593	3.525	6.9	22.2
4 11	14 15.35	− 2 16.4	2.531	3.508	4.3	22.0
4 21	14 8.04	− 1 30.6	2.498	3.490	3.1	21.9
5 1	14 0.49	− 0 51.0	2.494	3.472	4.7	22.0
5 11	13 53.37	− 0 21.3	2.518	3.454	7.4	22.1
5 21	13 47.26	− 0 3.7	2.569	3.435	10.1	22.3
5 31	13 42.62	+ 0 0.4	2.641	3.416	12.5	22.4
505672 2014 UC_{126}			4 23.7 264°.91		1°.6/22.5 17	
3 22	14 29.50	−12 29.3	1.591	2.457	14.3	21.7
4 1	14 24.62	−11 33.1	1.505	2.441	10.5	21.4
4 11	14 17.37	−10 24.0	1.442	2.425	6.0	21.1
4 21	14 8.52	− 9 7.0	1.405	2.409	1.7	20.8
5 1	13 59.19	− 7 49.8	1.395	2.392	4.7	20.9
5 11	13 50.61	− 6 40.6	1.412	2.375	9.5	21.2
5 21	13 43.79	− 5 46.3	1.451	2.358	14.0	21.4
5 31	13 39.44	− 5 11.3	1.511	2.340	17.8	21.6
229518 2005 WZ_{173}			4 23.7 107°.93		3°.7/27.3 17	
3 22	14 29.64	−26 41.3	1.945	2.757	14.4	20.5
4 1	14 24.23	−26 13.1	1.875	2.769	11.2	20.3
4 11	14 16.87	−25 24.6	1.826	2.781	7.8	20.1
4 21	14 8.36	−24 17.6	1.804	2.793	4.6	19.9
5 1	13 59.73	−22 56.8	1.809	2.804	4.0	19.9
5 11	13 51.98	−21 29.2	1.842	2.815	6.8	20.1
5 21	13 45.90	−20 2.7	1.901	2.826	10.2	20.3
5 31	13 42.00	−18 44.2	1.984	2.837	13.3	20.5
281486 2008 SW_{263}			4 23.7 210°.69		1°.2/22.6 17	
3 22	14 27.81	−11 46.5	2.050	2.908	11.9	21.7
4 1	14 22.80	−11 1.9	1.973	2.906	8.6	21.5
4 11	14 16.04	−10 9.1	1.921	2.903	4.9	21.2
4 21	14 8.20	− 9 12.2	1.897	2.900	1.4	21.0
5 1	14 0.13	− 8 16.2	1.901	2.897	3.7	21.2
5 11	13 52.72	− 7 26.8	1.932	2.894	7.5	21.4
5 21	13 46.69	− 6 48.2	1.989	2.890	11.0	21.6
5 31	13 42.58	− 6 23.2	2.068	2.887	14.1	21.8
456090 2006 BR_{123}			4 23.7 100°.37		1°.4/22.7 16	
3 22	14 33.63	−11 53.9	1.490	2.354	15.2	22.2
4 1	14 27.30	−11 10.5	1.439	2.374	11.0	22.0
4 11	14 18.67	−10 17.6	1.411	2.393	6.2	21.7
4 21	14 8.75	− 9 20.7	1.409	2.412	1.7	21.5
5 1	13 58.79	− 8 26.4	1.433	2.431	4.4	21.7
5 11	13 50.00	− 7 41.5	1.485	2.449	9.1	22.0
5 21	13 43.27	− 7 10.6	1.559	2.466	13.2	22.3
5 31	13 39.12	− 6 56.2	1.655	2.483	16.6	22.6
351843 2006 QQ_{138}			4 23.7 242°.13		4°.8/19.0 18	
3 22	14 28.23	+ 1 22.5	2.396	3.258	10.3	21.0
4 1	14 22.89	+ 2 8.3	2.319	3.247	7.8	20.8
4 11	14 16.02	+ 2 51.6	2.268	3.236	5.5	20.7
4 21	14 8.19	+ 3 27.8	2.245	3.224	4.8	20.6
5 1	14 0.14	+ 3 52.7	2.250	3.212	6.4	20.7
5 11	13 52.61	+ 4 3.0	2.282	3.200	8.9	20.8
5 21	13 46.26	+ 3 57.6	2.338	3.188	11.6	21.0
5 31	13 41.55	+ 3 36.5	2.416	3.175	13.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
347785 2002 DG_{7}			4 23.7	41°.58	2°.9/25.8 17	
	h m	° ′			°	m
3 22	14 32.01	−20 14.0	2.006	2.837	13.3	20.0
4 1	14 25.95	−20 48.8	1.939	2.848	10.1	19.9
4 11	14 17.89	−21 12.1	1.895	2.860	6.6	19.7
4 21	14 8.60	−21 23.5	1.878	2.873	3.5	19.5
5 1	13 59.07	−21 24.5	1.889	2.885	3.6	19.5
5 11	13 50.30	−21 18.5	1.927	2.898	6.7	19.7
5 21	13 43.13	−21 9.5	1.991	2.912	10.0	20.0
5 31	13 38.13	−21 1.9	2.078	2.925	13.0	20.2
341750 2007 VM_{284}			4 23.7 135°.42		1°.4/25.2 18	
3 22	14 27.19	−20 8.8	2.429	3.258	11.3	21.0
4 1	14 22.11	−19 36.1	2.354	3.266	8.4	20.8
4 11	14 15.53	−18 51.1	2.303	3.274	5.2	20.6
4 21	14 8.08	−17 56.2	2.281	3.281	2.1	20.4
5 1	14 0.48	−16 55.2	2.287	3.288	2.5	20.5
5 11	13 53.52	−15 53.3	2.323	3.295	5.7	20.7
5 21	13 47.80	−14 55.1	2.385	3.301	8.8	20.9
5 31	13 43.76	−14 5.0	2.472	3.307	11.5	21.1
384927 2012 TG_{88}			4 23.7 116°.70		0°.3/24.0 17	
3 22	14 27.97	−15 35.6	2.195	3.041	11.7	21.4
4 1	14 22.80	−15 10.6	2.123	3.048	8.5	21.2
4 11	14 15.98	−14 36.0	2.076	3.054	5.0	21.0
4 21	14 8.19	−13 54.6	2.057	3.060	1.2	20.8
5 1	14 0.23	−13 10.3	2.066	3.066	2.7	20.9
5 11	13 52.94	−12 27.9	2.103	3.072	6.4	21.1
5 21	13 46.99	−11 51.5	2.167	3.078	9.8	21.4
5 31	13 42.86	−11 24.5	2.253	3.084	12.7	21.6
412989 1998 HA_{11}			4 23.7 356°.38		2°.9/22.1 17	
3 22	14 31.90	− 7 10.5	1.329	2.208	15.8	20.6
4 1	14 26.54	− 6 54.7	1.265	2.206	11.5	20.3
4 11	14 18.52	− 6 35.0	1.222	2.205	6.7	20.1
4 21	14 8.78	− 6 16.2	1.203	2.204	2.9	19.8
5 1	13 58.66	− 6 3.8	1.209	2.204	5.6	20.0
5 11	13 49.59	− 6 2.7	1.240	2.204	10.5	20.2
5 21	13 42.65	− 6 15.9	1.293	2.204	15.0	20.5
5 31	13 38.54	− 6 44.4	1.365	2.205	18.8	20.8
519554 2012 QS_{53}			4 23.7 123°.06		0°.7/24.4 17	
3 22	14 28.46	−17 6.9	2.561	3.396	10.6	22.5
4 1	14 22.89	−16 40.1	2.494	3.412	7.8	22.3
4 11	14 15.92	−16 4.0	2.453	3.428	4.6	22.1
4 21	14 8.17	−15 21.0	2.440	3.443	1.3	21.9
5 1	14 0.32	−14 34.6	2.457	3.457	2.3	22.0
5 11	13 53.11	−13 49.0	2.503	3.472	5.6	22.2
5 21	13 47.10	−13 8.0	2.576	3.485	8.5	22.5
5 31	13 42.71	−12 34.7	2.674	3.499	11.1	22.6
287459 2002 YP_{24}			4 23.7 144°.12		0°.1/23.7 18	
3 22	14 30.73	−14 47.2	1.924	2.774	12.9	21.1
4 1	14 24.97	−14 16.6	1.854	2.781	9.4	20.9
4 11	14 17.30	−13 35.5	1.809	2.789	5.4	20.7
4 21	14 8.48	−12 47.4	1.791	2.795	1.2	20.4
5 1	13 59.49	−11 57.0	1.802	2.802	3.2	20.5
5 11	13 51.29	−11 10.0	1.840	2.808	7.3	20.8
5 21	13 44.67	−10 31.2	1.904	2.813	11.0	21.0
5 31	13 40.17	−10 4.1	1.989	2.818	14.2	21.2
284313 2006 QF_{99}			4 23.7 182°.98		3°.0/26.9 18	
3 22	14 28.81	−24 52.9	2.761	3.563	10.8	21.4
4 1	14 23.26	−24 51.7	2.674	3.563	8.5	21.3
4 11	14 16.22	−24 37.8	2.611	3.563	5.9	21.1
4 21	14 8.25	−24 11.6	2.575	3.562	3.6	21.0
5 1	14 0.07	−23 35.2	2.569	3.562	3.3	20.9
5 11	13 52.41	−22 52.2	2.592	3.560	5.4	21.1
5 21	13 45.90	−22 6.7	2.642	3.559	8.0	21.2
5 31	13 41.00	−21 23.2	2.717	3.556	10.5	21.4
505690 2014 WG_{478}			4 23.7 149°.43		5°.1/28.7 17	
3 22	14 30.31	−30 18.0	1.993	2.785	14.8	21.0
4 1	14 24.85	−30 5.5	1.913	2.790	11.9	20.9
4 11	14 17.31	−29 30.9	1.855	2.794	8.8	20.7
4 21	14 8.50	−28 34.4	1.822	2.798	6.0	20.5
5 1	13 59.46	−27 19.1	1.816	2.802	5.2	20.5
5 11	13 51.27	−25 51.9	1.837	2.806	7.2	20.6
5 21	13 44.77	−24 20.7	1.884	2.809	10.3	20.8
5 31	13 40.55	−22 53.5	1.955	2.812	13.3	21.0
242255 2003 SF_{270}			4 23.7 261°.34		3°.6/21.1 17	
3 22	14 32.46	− 5 32.0	1.748	2.614	13.2	20.8
4 1	14 26.66	− 4 48.2	1.656	2.591	9.7	20.5
4 11	14 18.54	− 4 0.2	1.589	2.569	6.0	20.2
4 21	14 8.82	− 3 13.0	1.548	2.545	3.6	20.0
5 1	13 58.53	− 2 33.1	1.535	2.521	6.0	20.1
5 11	13 48.85	− 2 6.0	1.548	2.496	10.2	20.3
5 21	13 40.80	− 1 55.6	1.585	2.471	14.2	20.5
5 31	13 35.11	− 2 3.6	1.642	2.445	17.8	20.6

423267 2004 VK_{12} 4 23.7 196°.95 2°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.40	− 5 28.6	2.527	3.379	10.1	21.7
4 1	14 25.10	− 5 5.4	2.447	3.375	7.4	21.5
4 11	14 17.27	− 4 40.6	2.393	3.371	4.4	21.3
4 21	14 8.49	− 4 17.3	2.369	3.367	2.4	21.2
5 1	13 59.50	− 3 58.9	2.374	3.361	4.1	21.3
5 11	13 51.05	− 3 48.3	2.409	3.355	7.1	21.5
5 21	13 43.79	− 3 47.4	2.470	3.348	10.0	21.6
5 31	13 38.20	− 3 57.4	2.554	3.341	12.6	21.8

470522 2008 CM_{187} 4 23.7 107°.75 3°.3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.62	−26 8.2	2.436	3.240	12.0	21.0
4 1	14 22.50	−25 55.1	2.360	3.250	9.4	20.8
4 11	14 15.80	−25 26.6	2.308	3.259	6.6	20.7
4 21	14 8.17	−24 43.7	2.282	3.269	4.0	20.5
5 1	14 0.38	−23 49.3	2.285	3.278	3.6	20.5
5 11	13 53.26	−22 48.2	2.316	3.287	5.8	20.7
5 21	13 47.44	−21 45.8	2.374	3.296	8.6	20.9
5 31	13 43.38	−20 47.2	2.457	3.305	11.2	21.0

14269 2000 AH_{182} 4 23.7 255°.79 3°.5/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.01	− 5 11.4	2.141	3.008	11.1	17.6
4 1	14 22.21	− 4 5.7	2.058	2.994	8.1	17.4
4 11	14 15.73	− 2 56.0	2.001	2.980	5.0	17.2
4 21	14 8.18	− 1 47.8	1.972	2.966	3.5	17.1
5 1	14 0.33	− 0 46.9	1.971	2.951	5.6	17.2
5 11	13 53.05	+ 0 1.3	1.998	2.937	8.8	17.3
5 21	13 47.04	+ 0 33.5	2.048	2.922	12.0	17.5
5 31	13 42.83	+ 0 48.0	2.120	2.906	14.8	17.7

257974 2001 CA_{38} 4 23.7 5°.68 9°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 48.65	−22 52.3	1.041	1.880	22.2	19.8
4 1	14 40.59	−25 25.6	0.973	1.879	17.9	19.5
4 11	14 27.68	−27 47.1	0.924	1.879	13.2	19.3
4 21	14 10.98	−29 44.4	0.899	1.880	9.6	19.1
5 1	13 52.70	−31 7.1	0.897	1.880	9.8	19.1
5 11	13 35.71	−31 54.5	0.920	1.881	13.6	19.3
5 21	13 22.33	−32 14.7	0.963	1.882	18.2	19.5
5 31	13 13.94	−32 20.6	1.023	1.883	22.4	19.8

333555 2005 VY_{17} 4 23.7 21°.49 35°.5/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	16 19.24	+75 46.9	0.507	1.162	58.6	18.3
4 1	15 21.74	+71 34.4	0.511	1.196	55.5	18.2
4 11	14 39.86	+65 36.4	0.516	1.237	51.6	18.2
4 21	14 11.73	+57 57.1	0.525	1.284	47.3	18.2
5 1	13 54.33	+48 56.4	0.544	1.335	43.0	18.3
5 11	13 45.00	+39 13.9	0.580	1.389	39.3	18.4
5 21	13 41.54	+29 36.1	0.635	1.446	36.8	18.6
5 31	13 42.51	+20 40.5	0.710	1.505	35.5	18.9

213422 2001 XR_{71} 4 23.7 100°.85 5°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.09	+ 4 55.0	2.296	3.153	10.8	20.0
4 1	14 24.14	+ 5 27.8	2.241	3.162	8.4	19.8
4 11	14 16.68	+ 5 54.3	2.211	3.170	6.3	19.7
4 21	14 8.35	+ 6 10.1	2.209	3.179	5.7	19.7
5 1	13 59.95	+ 6 11.8	2.234	3.187	7.0	19.8
5 11	13 52.25	+ 5 57.6	2.286	3.195	9.4	19.9
5 21	13 45.85	+ 5 27.6	2.362	3.203	11.8	20.1
5 31	13 41.20	+ 4 43.2	2.460	3.211	13.9	20.3

210988 2001 WP_{57} 4 23.7 92°.63 0°.1/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.82	−13 30.5	2.215	3.063	11.5	20.6
4 1	14 24.14	−13 28.8	2.143	3.068	8.4	20.4
4 11	14 16.78	−13 20.1	2.096	3.074	4.9	20.2
4 21	14 8.39	−13 6.4	2.077	3.080	1.1	19.9
5 1	13 59.81	−12 50.6	2.086	3.086	2.8	20.0
5 11	13 51.88	−12 36.1	2.124	3.092	6.4	20.3
5 21	13 45.30	−12 26.1	2.188	3.098	9.8	20.5
5 31	13 40.58	−12 23.2	2.275	3.104	12.6	20.7

135415 2001 UU_{24} 4 23.7 244°.86 2°.2/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.92	−22 30.2	2.328	3.151	11.9	19.4
4 1	14 22.12	−22 3.5	2.238	3.144	9.1	19.2
4 11	14 15.67	−21 22.1	2.172	3.137	6.0	19.0
4 21	14 8.17	−20 27.7	2.133	3.129	2.9	18.8
5 1	14 0.41	−19 23.9	2.122	3.121	2.9	18.8
5 11	13 53.23	−18 15.9	2.140	3.113	6.0	19.0
5 21	13 47.33	−17 9.5	2.184	3.105	9.3	19.2
5 31	13 43.22	−16 9.9	2.253	3.097	12.2	19.4

113486 2002 TE_{2} 4 23.7 175°.85 0°.5/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.28	−16 1.2	2.295	3.138	11.4	20.5
4 1	14 23.02	−15 39.7	2.217	3.139	8.4	20.3
4 11	14 16.14	−15 8.7	2.163	3.140	4.9	20.1
4 21	14 8.26	−14 30.6	2.137	3.140	1.3	19.8
5 1	14 0.18	−13 48.9	2.140	3.141	2.6	19.9
5 11	13 52.70	−13 8.1	2.172	3.141	6.2	20.2
5 21	13 46.51	−12 32.3	2.229	3.141	9.5	20.4
5 31	13 42.09	−12 5.1	2.310	3.140	12.4	20.5

392894 2012 VA_{34} 4 23.7 100°.64 1°.2/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.60	−11 28.1	2.475	3.329	10.3	21.6
4 1	14 21.54	−10 35.5	2.417	3.347	7.3	21.5
4 11	14 15.15	− 9 36.9	2.384	3.365	4.1	21.3
4 21	14 8.03	− 8 36.1	2.381	3.383	1.3	21.1
5 1	14 0.86	− 7 37.7	2.406	3.401	3.2	21.3
5 11	13 54.32	− 6 46.0	2.461	3.418	6.4	21.5
5 21	13 48.96	− 6 4.4	2.542	3.435	9.2	21.7
5 31	13 45.16	− 5 34.9	2.646	3.452	11.7	21.9

267714 2003 BS_{19} 4 23.7 63°.02 4°.0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.87	−28 18.2	2.926	3.710	10.7	20.6
4 1	14 22.50	−28 37.9	2.857	3.728	8.6	20.4
4 11	14 15.74	−28 44.5	2.811	3.746	6.4	20.3
4 21	14 8.17	−28 38.0	2.792	3.765	4.5	20.2
5 1	14 0.45	−28 19.6	2.802	3.783	4.0	20.2
5 11	13 53.29	−27 52.4	2.840	3.801	5.4	20.3
5 21	13 47.25	−27 19.9	2.905	3.819	7.5	20.5
5 31	13 42.76	−26 46.4	2.994	3.838	9.5	20.6

206683 2003 YJ_{140} 4 23.7 156°.55 4°.4/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.15	−28 34.5	2.444	3.233	12.5	21.1
4 1	14 24.43	−28 40.3	2.362	3.238	10.0	21.0
4 11	14 16.98	−28 29.7	2.304	3.243	7.3	20.8
4 21	14 8.45	−28 2.7	2.271	3.247	5.0	20.7
5 1	13 59.70	−27 21.1	2.266	3.251	4.5	20.6
5 11	13 51.59	−26 29.2	2.290	3.255	6.2	20.7
5 21	13 44.85	−25 32.5	2.340	3.258	8.8	20.9
5 31	13 40.01	−24 36.4	2.415	3.261	11.4	21.1

299321 2005 QU_{108} 4 23.7 210°.40 1°.6/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.12	−19 31.7	2.412	3.244	11.3	21.2
4 1	14 22.17	−19 17.3	2.329	3.243	8.5	21.0
4 11	14 15.65	−18 51.6	2.271	3.241	5.3	20.8
4 21	14 8.16	−18 16.3	2.240	3.240	2.2	20.6
5 1	14 0.45	−17 34.5	2.238	3.238	2.6	20.6
5 11	13 53.30	−16 50.3	2.264	3.236	5.8	20.8
5 21	13 47.37	−16 8.3	2.317	3.235	8.9	21.0
5 31	13 43.15	−15 32.4	2.393	3.233	11.7	21.2

476434 2008 DQ_{87} 4 23.7 332°.51 3°.7/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 23.95	− 5 10.3	2.153	3.025	10.8	21.0
4 1	14 19.92	− 3 46.5	2.082	3.020	7.9	20.8
4 11	14 14.37	− 2 18.9	2.037	3.016	5.0	20.7
4 21	14 7.89	− 0 53.6	2.021	3.012	3.8	20.6
5 1	14 1.22	+ 0 23.0	2.032	3.009	5.7	20.7
5 11	13 55.15	+ 1 25.2	2.071	3.005	8.8	20.9
5 21	13 50.29	+ 2 9.8	2.133	3.002	11.8	21.0
5 31	13 47.11	+ 2 35.2	2.217	2.999	14.4	21.2

434032 2001 SS_{208} 4 23.7 337°.66 2°.5/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.97	−19 58.3	2.082	2.913	12.8	20.4
4 1	14 25.25	−20 19.2	2.001	2.912	9.8	20.2
4 11	14 17.57	−20 28.7	1.944	2.911	6.3	20.0
4 21	14 8.61	−20 27.0	1.913	2.909	3.1	19.7
5 1	13 59.30	−20 15.9	1.910	2.908	3.3	19.8
5 11	13 50.65	−19 59.0	1.935	2.908	6.6	20.0
5 21	13 43.48	−19 40.6	1.987	2.907	10.1	20.2
5 31	13 38.39	−19 25.1	2.061	2.906	13.1	20.4

426643 2013 SZ_{72} 4 23.7 181°.29 5°.2/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.30	+ 0 21.0	2.183	3.049	11.0	21.3
4 1	14 22.99	+ 1 41.6	2.120	3.050	8.2	21.1
4 11	14 16.10	+ 3 0.9	2.082	3.050	5.9	21.0
4 21	14 8.26	+ 4 12.7	2.073	3.050	5.3	20.9
5 1	14 0.27	+ 5 11.1	2.091	3.050	7.1	21.0
5 11	13 52.92	+ 5 51.7	2.137	3.049	9.8	21.2
5 21	13 46.87	+ 6 12.9	2.206	3.047	12.5	21.4
5 31	13 42.60	+ 6 14.4	2.295	3.045	14.8	21.5

2287 Kalmykia 4 23.7 282°.82 3°.8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.51	− 6 20.2	1.400	2.278	15.2	16.3
4 1	14 26.42	− 5 36.7	1.317	2.258	11.2	16.0
4 11	14 18.60	− 4 47.3	1.257	2.239	6.8	15.7
4 21	14 8.89	− 3 58.2	1.220	2.219	3.8	15.4
5 1	13 58.52	− 3 17.2	1.210	2.199	6.6	15.5
5 11	13 48.94	− 2 51.0	1.224	2.180	11.4	15.7
5 21	13 41.33	− 2 44.3	1.259	2.160	16.1	15.9
5 31	13 36.52	− 2 58.6	1.313	2.140	20.2	16.1

111070 2001 VF_{49} 4 23.7 147°.77 4°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.01	−28 8.2	2.089	2.887	14.0	19.6
4 1	14 25.23	−27 53.2	2.011	2.895	11.1	19.4
4 11	14 17.49	−27 18.6	1.956	2.902	7.9	19.2
4 21	14 8.58	−26 24.9	1.926	2.909	5.1	19.1
5 1	13 59.47	−25 15.5	1.925	2.916	4.4	19.0
5 11	13 51.18	−23 56.8	1.952	2.922	6.7	19.2
5 21	13 44.50	−22 36.0	2.005	2.927	9.9	19.4
5 31	13 39.98	−21 19.9	2.082	2.932	12.8	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
418110 2007 XY_{58}			4 23.7 192°.54		3°.5/26.5 17	
	h m	° ′			°	m
3 22	14 32.72	−23 53.0	1.880	2.700	14.4	21.5
4 1	14 26.74	−23 53.3	1.797	2.699	11.2	21.3
4 11	14 18.50	−23 36.2	1.737	2.697	7.6	21.1
4 21	14 8.82	−23 2.1	1.703	2.695	4.3	20.9
5 1	13 58.77	−22 13.9	1.696	2.692	4.1	20.9
5 11	13 49.52	−21 17.3	1.717	2.689	7.3	21.1
5 21	13 41.99	−20 19.4	1.763	2.685	11.0	21.3
5 31	13 36.85	−19 26.7	1.832	2.681	14.4	21.5
28997 2020 P–L			4 23.7 166°.59		1°.9/25.5 18	
3 22	14 31.88	−20 20.3	2.328	3.150	11.9	19.7
4 1	14 25.64	−20 11.0	2.248	3.156	9.0	19.6
4 11	14 17.66	−19 49.6	2.194	3.161	5.7	19.4
4 21	14 8.62	−19 17.3	2.167	3.165	2.6	19.2
5 1	13 59.36	−18 37.0	2.169	3.169	2.8	19.2
5 11	13 50.78	−17 53.3	2.201	3.171	6.1	19.4
5 21	13 43.58	−17 10.9	2.259	3.174	9.3	19.6
5 31	13 38.28	−16 34.2	2.342	3.175	12.2	19.8
522303 2016 BC_{100}			4 23.7 45°.31		2°.7/25.6 17	
3 22	14 30.80	−20 40.7	1.421	2.272	16.6	21.3
4 1	14 25.72	−20 36.2	1.355	2.277	12.6	21.1
4 11	14 18.04	−20 13.4	1.310	2.282	8.1	20.8
4 21	14 8.73	−19 33.8	1.289	2.288	3.6	20.6
5 1	13 59.09	−18 42.2	1.293	2.294	3.9	20.6
5 11	13 50.53	−17 46.2	1.323	2.300	8.4	20.9
5 21	13 44.07	−16 53.9	1.376	2.307	12.8	21.2
5 31	13 40.38	−16 11.7	1.450	2.313	16.7	21.4
234409 2001 RO_{23}			4 23.7 313°.95		0°.3/23.9 16	
3 22	14 29.38	−14 43.4	1.157	2.036	17.6	20.1
4 1	14 25.38	−14 32.7	1.078	2.018	13.1	19.8
4 11	14 18.24	−14 7.1	1.018	2.001	7.8	19.4
4 21	14 8.85	−13 29.3	0.980	1.984	1.8	19.0
5 1	13 58.65	−12 45.4	0.966	1.968	4.5	19.1
5 11	13 49.36	−12 3.9	0.975	1.952	10.6	19.4
5 21	13 42.40	−11 32.6	1.004	1.937	16.2	19.6
5 31	13 38.73	−11 17.8	1.051	1.923	21.0	19.9
349449 2008 CS_{59}			4 23.7 99°.68		5°.4/17.6 18	
3 22	14 25.94	+ 2 55.7	2.415	3.279	10.1	20.7
4 1	14 21.10	+ 4 11.7	2.367	3.294	7.7	20.6
4 11	14 14.92	+ 5 23.5	2.346	3.308	5.8	20.5
4 21	14 8.01	+ 6 25.8	2.353	3.322	5.5	20.5
5 1	14 1.05	+ 7 13.8	2.388	3.335	7.0	20.6
5 11	13 54.71	+ 7 44.6	2.449	3.349	9.2	20.8
5 21	13 49.53	+ 7 57.1	2.534	3.362	11.4	21.0
5 31	13 45.90	+ 7 52.0	2.638	3.375	13.4	21.1
297741 2001 XK_{12}			4 23.7 86°.31		5°.4/29.4 18	
3 22	14 28.81	−31 47.6	2.313	3.090	13.4	20.7
4 1	14 23.58	−31 54.4	2.235	3.098	11.0	20.6
4 11	14 16.53	−31 42.1	2.180	3.106	8.4	20.4
4 21	14 8.39	−31 10.2	2.149	3.114	6.2	20.3
5 1	14 0.03	−30 20.9	2.145	3.122	5.4	20.3
5 11	13 52.40	−29 18.7	2.169	3.130	6.8	20.4
5 21	13 46.23	−28 9.9	2.219	3.139	9.2	20.5
5 31	13 42.05	−27 0.9	2.292	3.147	11.7	20.7
56058 1998 XL_{62}			4 23.7 72°.13		8°.5/27.1 18	
3 22	14 45.28	−27 7.8	1.351	2.161	19.6	18.1
4 1	14 36.97	−29 4.4	1.289	2.174	15.9	17.9
4 11	14 24.94	−30 41.5	1.248	2.188	12.1	17.7
4 21	14 10.31	−31 51.3	1.231	2.201	9.1	17.6
5 1	13 54.93	−32 29.8	1.239	2.215	8.7	17.6
5 11	13 40.86	−32 40.1	1.273	2.229	11.2	17.8
5 21	13 29.71	−32 30.3	1.330	2.242	14.6	18.0
5 31	13 22.43	−32 11.4	1.407	2.256	17.9	18.2
480645 2015 NP_{20}			4 23.8 276°.65		4°.2/19.9 17	
3 22	14 28.08	− 0 43.4	2.305	3.169	10.5	21.1
4 1	14 22.89	− 0 8.4	2.226	3.157	7.8	20.9
4 11	14 16.10	+ 0 25.2	2.171	3.144	5.3	20.7
4 21	14 8.31	+ 0 53.2	2.144	3.132	4.2	20.6
5 1	14 0.25	+ 1 11.5	2.146	3.119	5.8	20.7
5 11	13 52.73	+ 1 16.9	2.174	3.106	8.6	20.8
5 21	13 46.41	+ 1 8.1	2.228	3.093	11.5	21.0
5 31	13 41.79	+ 0 44.8	2.302	3.081	14.0	21.2
475524 2006 SL_{396}			4 23.8 259°.34		0°.7/24.4 16	
3 22	14 28.09	−16 41.6	2.396	3.235	11.1	22.3
4 1	14 22.98	−16 22.8	2.298	3.218	8.2	22.1
4 11	14 16.21	−15 54.0	2.226	3.201	4.9	21.9
4 21	14 8.34	−15 17.2	2.181	3.184	1.5	21.6
5 1	14 0.14	−14 35.5	2.165	3.166	2.6	21.7
5 11	13 52.41	−13 53.3	2.178	3.148	6.2	21.9
5 21	13 45.86	−13 14.9	2.217	3.129	9.6	22.0
5 31	13 41.04	−12 44.1	2.280	3.111	12.5	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
194044 2001 SV_{98}			4 23.8 63°.36		1°.5/22.7 18	
	h m	° ′			°	m
3 22	14 30.21	−13 12.6	1.240	2.116	16.8	19.9
4 1	14 25.28	−12 13.2	1.187	2.128	12.1	19.6
4 11	14 17.74	−11 0.1	1.156	2.141	6.9	19.4
4 21	14 8.67	− 9 40.5	1.150	2.153	1.8	19.1
5 1	13 59.45	− 8 23.7	1.168	2.166	4.9	19.3
5 11	13 51.49	− 7 18.9	1.211	2.179	10.1	19.7
5 21	13 45.76	− 6 32.5	1.275	2.192	14.7	20.0
5 31	13 42.84	− 6 7.6	1.359	2.205	18.6	20.2
106518 2000 WR_{49}			4 23.8 237°.41		6°.5/15.9 17	
3 22	14 27.60	+ 9 55.5	2.761	3.608	9.5	20.1
4 1	14 22.30	+10 53.1	2.690	3.595	7.8	20.0
4 11	14 15.67	+11 43.4	2.646	3.581	6.7	19.9
4 21	14 8.20	+12 21.6	2.628	3.568	6.7	19.9
5 1	14 0.56	+12 43.9	2.638	3.553	7.9	19.9
5 11	13 53.38	+12 48.0	2.674	3.538	9.7	20.0
5 21	13 47.22	+12 33.8	2.733	3.523	11.7	20.1
5 31	13 42.53	+12 2.1	2.811	3.508	13.5	20.2
405500 2005 AY_{23}			4 23.8 107°.31		1°.2/24.6 18	
3 22	14 33.59	−17 22.2	1.605	2.453	15.1	22.0
4 1	14 27.35	−17 7.6	1.545	2.468	11.2	21.8
4 11	14 18.80	−16 39.4	1.507	2.483	6.7	21.6
4 21	14 8.90	−16 0.0	1.495	2.497	2.1	21.3
5 1	13 58.83	−15 14.5	1.510	2.511	3.4	21.4
5 11	13 49.82	−14 29.3	1.552	2.525	7.9	21.7
5 21	13 42.79	−13 50.3	1.619	2.538	12.0	22.0
5 31	13 38.29	−13 22.2	1.707	2.551	15.5	22.2
297314 1998 XV_{2}			4 23.8 179°.45		0°.9/23.1 17	
3 22	14 33.19	−12 39.7	1.629	2.487	14.4	21.9
4 1	14 27.14	−12 8.3	1.557	2.489	10.5	21.6
4 11	14 18.75	−11 26.7	1.508	2.490	6.0	21.3
4 21	14 8.91	−10 39.0	1.486	2.490	1.4	21.0
5 1	13 58.75	− 9 50.8	1.491	2.490	4.0	21.2
5 11	13 49.51	− 9 8.5	1.523	2.489	8.7	21.5
5 21	13 42.13	− 8 37.4	1.579	2.488	12.9	21.7
5 31	13 37.25	− 8 20.7	1.656	2.486	16.5	22.0
386725 2009 YB_{24}			4 23.8 199°.73		6°.5/17.5 18	
3 22	14 30.91	+ 6 55.1	2.310	3.163	10.9	21.2
4 1	14 24.84	+ 7 49.0	2.245	3.160	8.7	21.0
4 11	14 17.17	+ 8 36.0	2.206	3.156	6.9	20.9
4 21	14 8.54	+ 9 10.8	2.193	3.151	6.6	20.9
5 1	13 59.73	+ 9 29.0	2.209	3.146	8.1	21.0
5 11	13 51.55	+ 9 28.2	2.250	3.140	10.3	21.1
5 21	13 44.68	+ 9 8.1	2.315	3.134	12.7	21.3
5 31	13 39.58	+ 8 30.3	2.401	3.127	14.8	21.4
341555 2007 UZ_{22}			4 23.8 180°.50		1°.3/22.5 17	
3 22	14 28.08	−10 13.6	2.366	3.220	10.6	21.6
4 1	14 22.81	− 9 42.5	2.290	3.221	7.7	21.4
4 11	14 16.01	− 9 6.0	2.240	3.221	4.4	21.2
4 21	14 8.29	− 8 27.4	2.219	3.221	1.4	21.0
5 1	14 0.38	− 7 50.6	2.226	3.221	3.4	21.1
5 11	13 53.05	− 7 19.4	2.262	3.221	6.7	21.3
5 21	13 46.93	− 6 57.0	2.324	3.220	9.9	21.5
5 31	13 42.49	− 6 45.6	2.408	3.219	12.6	21.7
382460 2000 SX_{47}			4 23.8 262°.15		0°.6/23.2 17	
3 22	14 28.88	−14 47.6	2.105	2.954	12.0	21.3
4 1	14 23.77	−13 50.0	2.003	2.930	8.8	21.0
4 11	14 16.77	−12 39.4	1.925	2.905	5.1	20.8
4 21	14 8.49	−11 19.7	1.876	2.880	1.1	20.4
5 1	13 59.78	− 9 56.4	1.855	2.854	3.4	20.6
5 11	13 51.59	− 8 36.5	1.863	2.827	7.6	20.8
5 21	13 44.72	− 7 26.3	1.898	2.799	11.4	20.9
5 31	13 39.81	− 6 30.6	1.954	2.771	14.8	21.1
141365 2002 AE_{39}			4 23.8 58°.23		1°.3/24.9 18	
3 22	14 26.88	−18 46.2	2.158	2.998	12.1	19.7
4 1	14 22.07	−18 24.3	2.089	3.008	9.0	19.5
4 11	14 15.62	−17 50.5	2.045	3.018	5.5	19.3
4 21	14 8.20	−17 7.3	2.027	3.028	2.0	19.1
5 1	14 0.63	−16 18.5	2.038	3.039	2.7	19.1
5 11	13 53.76	−15 29.1	2.077	3.050	6.2	19.4
5 21	13 48.25	−14 44.0	2.141	3.060	9.5	19.6
5 31	13 44.56	−14 7.1	2.229	3.071	12.4	19.8
426866 2013 WC_{7}			4 23.8 223°.77		1°.1/24.7 17	
3 22	14 30.81	−17 51.2	2.350	3.182	11.5	22.2
4 1	14 24.97	−17 34.0	2.255	3.170	8.6	22.0
4 11	14 17.36	−17 5.9	2.185	3.158	5.3	21.7
4 21	14 8.61	−16 28.5	2.143	3.145	1.8	21.5
5 1	13 59.51	−15 45.0	2.131	3.131	2.6	21.5
5 11	13 50.95	−14 59.9	2.147	3.117	6.3	21.7
5 21	13 43.67	−14 17.8	2.191	3.102	9.7	21.9
5 31	13 38.24	−13 43.0	2.258	3.086	12.7	22.1

123635 2000 YH_{50} 4 23.8 163°.88 0°.8/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.81	−16 45.4	2.055	2.898	12.5	20.6
4 1	14 24.31	−16 28.1	1.979	2.901	9.2	20.4
4 11	14 16.98	−15 59.9	1.927	2.903	5.5	20.2
4 21	14 8.51	−15 23.1	1.902	2.905	1.6	19.9
5 1	13 59.81	−14 41.4	1.906	2.907	2.8	20.0
5 11	13 51.80	−14 0.0	1.937	2.908	6.7	20.3
5 21	13 45.26	−13 23.4	1.995	2.910	10.3	20.5
5 31	13 40.72	−12 55.7	2.075	2.911	13.4	20.7

203378 2001 XX_{43} 4 23.8 149°.60 2°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.05	−18 56.1	1.667	2.506	15.1	20.2
4 1	14 28.51	−18 59.1	1.596	2.514	11.4	20.0
4 11	14 19.56	−18 47.8	1.548	2.520	7.1	19.8
4 21	14 9.09	−18 23.5	1.526	2.526	2.9	19.5
5 1	13 58.31	−17 49.7	1.531	2.532	3.5	19.6
5 11	13 48.49	−17 12.0	1.564	2.537	7.8	19.8
5 21	13 40.63	−16 36.7	1.621	2.541	11.9	20.1
5 31	13 35.36	−16 9.2	1.700	2.545	15.5	20.3

70870 1999 VL_{156} 4 23.8 303°.41 2°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.71	− 7 45.9	1.758	2.624	13.2	19.0
4 1	14 25.31	− 7 34.9	1.675	2.611	9.6	18.7
4 11	14 17.74	− 7 20.2	1.617	2.599	5.6	18.5
4 21	14 8.71	− 7 5.3	1.584	2.586	2.2	18.2
5 1	13 59.24	− 6 54.4	1.579	2.574	4.6	18.3
5 11	13 50.46	− 6 51.4	1.601	2.562	8.8	18.6
5 21	13 43.29	− 6 59.1	1.646	2.550	12.8	18.8
5 31	13 38.40	− 7 19.5	1.713	2.539	16.2	19.0

15070 1999 BK_{8} 4 23.8 196°.36 1°.5/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.11	−10 31.8	1.792	2.648	13.4	18.1
4 1	14 27.68	−10 4.9	1.715	2.646	9.8	17.8
4 11	14 19.04	− 9 30.8	1.662	2.643	5.6	17.6
4 21	14 8.99	− 8 53.1	1.636	2.639	1.7	17.3
5 1	13 58.61	− 8 16.8	1.638	2.635	4.2	17.5
5 11	13 49.02	− 7 47.1	1.668	2.629	8.5	17.7
5 21	13 41.15	− 7 28.1	1.723	2.623	12.5	17.9
5 31	13 35.63	− 7 22.6	1.799	2.616	15.9	18.1

290381 2005 SB_{291} 4 23.8 309°.64 0°.4/24.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.07	−15 51.5	2.059	2.911	12.1	20.8
4 1	14 21.72	−15 25.3	1.969	2.897	8.9	20.6
4 11	14 15.57	−14 48.2	1.904	2.882	5.3	20.3
4 21	14 8.23	−14 2.8	1.864	2.868	1.3	20.0
5 1	14 0.56	−13 13.2	1.853	2.854	2.9	20.1
5 11	13 53.45	−12 24.8	1.869	2.840	6.9	20.3
5 21	13 47.66	−11 42.5	1.911	2.827	10.6	20.5
5 31	13 43.79	−11 10.5	1.974	2.814	13.9	20.7

436669 2011 SW_{66} 4 23.8 294°.73 5°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.03	+ 2 55.6	2.099	2.960	11.5	20.8
4 1	14 25.18	+ 3 19.4	2.020	2.946	8.8	20.6
4 11	14 17.51	+ 3 38.0	1.965	2.931	6.4	20.4
4 21	14 8.66	+ 3 47.0	1.937	2.916	5.4	20.3
5 1	13 59.49	+ 3 42.4	1.937	2.902	7.0	20.4
5 11	13 50.92	+ 3 21.7	1.963	2.887	9.8	20.5
5 21	13 43.72	+ 2 44.8	2.014	2.873	12.8	20.7
5 31	13 38.47	+ 1 52.4	2.086	2.859	15.4	20.8

137595 1999 VP_{161} 4 23.8 195°.49 0°.8/24.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.30	−17 3.6	2.050	2.889	12.7	21.6
4 1	14 26.19	−16 43.8	1.967	2.886	9.4	21.4
4 11	14 18.12	−16 12.3	1.908	2.883	5.7	21.2
4 21	14 8.79	−15 31.2	1.877	2.879	1.7	20.9
5 1	13 59.16	−14 44.6	1.874	2.875	2.9	21.0
5 11	13 50.22	−13 57.6	1.900	2.869	6.9	21.2
5 21	13 42.80	−13 15.5	1.952	2.863	10.7	21.4
5 31	13 37.48	−12 42.6	2.026	2.856	13.9	21.6

112065 2002 JM_{16} 4 23.8 198°.62 11°.9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 47.22	+12 42.2	1.208	2.058	19.0	19.8
4 1	14 38.00	+13 12.1	1.150	2.057	15.7	19.6
4 11	14 25.29	+13 20.3	1.112	2.055	12.9	19.5
4 21	14 10.38	+12 57.0	1.097	2.052	12.0	19.4
5 1	13 55.14	+11 56.6	1.106	2.048	13.6	19.5
5 11	13 41.46	+10 20.8	1.139	2.044	16.9	19.6
5 21	13 30.72	+ 8 16.8	1.193	2.040	20.5	19.8
5 31	13 23.66	+ 5 53.2	1.265	2.034	23.7	20.1

391713 2008 CB_{39} 4 23.8 105°.16 3°.9/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.72	−26 33.3	2.453	3.251	12.1	21.4
4 1	14 24.09	−26 45.1	2.378	3.262	9.6	21.3
4 11	14 16.79	−26 42.2	2.326	3.273	6.9	21.1
4 21	14 8.49	−26 24.8	2.302	3.283	4.5	21.0
5 1	13 59.99	−25 54.7	2.305	3.294	4.1	21.0
5 11	13 52.14	−25 15.8	2.337	3.304	6.0	21.1
5 21	13 45.62	−24 32.8	2.395	3.314	8.6	21.3
5 31	13 40.93	−23 50.8	2.477	3.324	11.2	21.5

250494 2004 FW_{30} 4 23.8 228°.16 15°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.17	+14 9.8	1.153	2.029	17.9	20.0
4 1	14 25.60	+17 44.7	1.116	2.024	16.0	19.8
4 11	14 18.13	+21 0.5	1.102	2.019	15.6	19.8
4 21	14 8.82	+23 37.9	1.109	2.013	16.9	19.8
5 1	13 59.17	+25 23.3	1.137	2.007	19.4	20.0
5 11	13 50.73	+26 12.6	1.181	2.001	22.2	20.1
5 21	13 44.65	+26 9.9	1.239	1.994	24.8	20.3
5 31	13 41.59	+25 23.2	1.307	1.987	27.0	20.5

374111 2004 SU_{28} 4 23.8 161°.30 3°.0/20.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.04	− 6 13.2	2.315	3.176	10.6	21.4
4 1	14 22.75	− 5 3.8	2.248	3.182	7.6	21.2
4 11	14 15.96	− 3 50.8	2.208	3.187	4.6	21.0
4 21	14 8.30	− 2 39.3	2.197	3.192	3.0	20.9
5 1	14 0.52	− 1 35.0	2.215	3.196	4.9	21.1
5 11	13 53.37	− 0 42.3	2.261	3.200	7.9	21.3
5 21	13 47.46	− 0 4.5	2.332	3.203	10.8	21.4
5 31	13 43.23	+ 0 17.1	2.425	3.206	13.3	21.6

488898 2005 TS_{62} 4 23.8 200°.64 0°.4/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.38	−15 6.6	2.529	3.362	10.7	23.4
4 1	14 25.94	−14 56.1	2.439	3.357	7.9	23.2
4 11	14 17.87	−14 37.6	2.376	3.351	4.7	23.0
4 21	14 8.74	−14 12.9	2.341	3.345	1.2	22.7
5 1	13 59.34	−13 44.7	2.337	3.337	2.5	22.8
5 11	13 50.47	−13 16.5	2.363	3.329	6.0	23.1
5 21	13 42.83	−12 52.1	2.416	3.320	9.2	23.2
5 31	13 36.92	−12 34.4	2.493	3.310	12.0	23.4

65340 2002 NR_{11} 4 23.8 271°.66 0°.5/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.85	−16 16.2	1.705	2.557	14.2	20.1
4 1	14 25.68	−15 50.2	1.608	2.535	10.6	19.8
4 11	14 18.11	−15 10.1	1.534	2.512	6.3	19.5
4 21	14 8.85	−14 18.4	1.486	2.489	1.6	19.1
5 1	13 58.98	−13 20.0	1.465	2.466	3.5	19.2
5 11	13 49.73	−12 21.8	1.470	2.442	8.4	19.5
5 21	13 42.15	−11 30.7	1.501	2.417	12.9	19.7
5 31	13 37.04	−10 52.4	1.552	2.393	16.9	19.8

500949 2013 QU_{13} 4 23.8 98°.36 15°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 52.20	−60 2.4	2.184	2.726	19.7	21.8
4 1	14 43.12	−61 55.9	2.127	2.746	18.7	21.7
4 11	14 29.09	−63 17.6	2.083	2.766	17.6	21.6
4 21	14 11.36	−63 59.1	2.054	2.785	16.6	21.6
5 1	13 52.39	−63 55.4	2.042	2.804	15.8	21.6
5 11	13 35.12	−63 8.7	2.048	2.823	15.5	21.6
5 21	13 21.82	−61 47.5	2.073	2.841	15.6	21.6
5 31	13 13.58	−60 3.5	2.115	2.859	16.1	21.7

472294 2014 WB_{355} 4 23.8 32°.77 1°.0/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.81	−15 14.8	1.569	2.436	14.4	19.9
4 1	14 21.74	−13 52.8	1.506	2.443	10.4	19.7
4 11	14 15.60	−12 15.6	1.466	2.449	5.9	19.4
4 21	14 8.24	−10 30.1	1.452	2.456	1.4	19.1
5 1	14 0.73	− 8 45.3	1.466	2.464	4.2	19.4
5 11	13 54.12	− 7 10.8	1.505	2.472	8.7	19.6
5 21	13 49.24	− 5 53.5	1.569	2.480	12.8	19.9
5 31	13 46.61	− 4 57.5	1.653	2.489	16.3	20.1

466965 2016 AR_{187} 4 23.8 38°.73 6°.0/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.52	−27 8.6	1.292	2.126	19.0	20.7
4 1	14 26.64	−27 27.1	1.227	2.131	15.1	20.4
4 11	14 18.77	−27 19.7	1.182	2.137	10.9	20.2
4 21	14 8.98	−26 45.5	1.158	2.144	7.1	20.0
5 1	13 58.78	−25 47.9	1.158	2.151	6.3	20.0
5 11	13 49.81	−24 35.4	1.182	2.158	9.4	20.2
5 21	13 43.27	−23 19.0	1.229	2.166	13.5	20.4
5 31	13 39.88	−22 8.7	1.296	2.174	17.4	20.7

74892 1999 TQ_{118} 4 23.8 163°.14 0°.9/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.24	−17 31.4	2.038	2.875	12.8	21.0
4 1	14 26.07	−17 5.5	1.963	2.882	9.5	20.8
4 11	14 18.00	−16 27.3	1.913	2.887	5.7	20.6
4 21	14 8.77	−15 39.6	1.890	2.893	1.7	20.3
5 1	13 59.34	−14 46.5	1.896	2.897	2.9	20.4
5 11	13 50.68	−13 53.6	1.931	2.900	6.8	20.7
5 21	13 43.56	−13 6.4	1.991	2.903	10.5	20.9
5 31	13 38.54	−12 28.9	2.075	2.905	13.6	21.1

351886 2006 SO_{189} 4 23.8 156°.00 3°.4/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 25.69	− 4 43.0	2.355	3.221	10.3	21.7
4 1	14 21.05	− 3 32.6	2.289	3.224	7.4	21.5
4 11	14 15.00	− 2 19.8	2.249	3.226	4.7	21.3
4 21	14 8.11	− 1 9.8	2.237	3.229	3.4	21.2
5 1	14 1.08	− 0 7.9	2.254	3.231	5.2	21.3
5 11	13 54.63	+ 0 41.4	2.298	3.233	8.0	21.5
5 21	13 49.34	+ 1 15.5	2.367	3.234	10.8	21.7
5 31	13 45.64	+ 1 33.1	2.458	3.236	13.2	21.9

355863 2008 UD_{273} 4 23.8 91°.89 5°.6/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 34.28	−25 49.6	1.377	2.207	18.2	21.0
4 1	14 28.57	−26 16.6	1.308	2.211	14.4	20.7
4 11	14 19.89	−26 21.1	1.259	2.216	10.2	20.5
4 21	14 9.25	−26 1.5	1.233	2.220	6.5	20.3
5 1	13 58.13	−25 20.1	1.231	2.224	5.9	20.3
5 11	13 48.16	−24 24.3	1.255	2.228	9.2	20.4
5 21	13 40.57	−23 23.4	1.301	2.233	13.3	20.7
5 31	13 36.12	−22 26.9	1.368	2.237	17.2	20.9

457674 2009 DP_{54} 4 23.8 18°.77 1°.3/24.5 17

3 22	14 31.03	−16 29.2	1.258	2.126	17.2	20.9
4 1	14 26.15	−16 28.3	1.194	2.128	12.8	20.7
4 11	14 18.44	−16 12.6	1.152	2.131	7.7	20.4
4 21	14 8.92	−15 44.4	1.132	2.135	2.4	20.1
5 1	13 59.00	−15 8.8	1.137	2.139	3.9	20.2
5 11	13 50.22	−14 33.0	1.166	2.144	9.2	20.5
5 21	13 43.72	−14 4.0	1.218	2.149	14.1	20.8
5 31	13 40.21	−13 47.0	1.288	2.154	18.2	21.1

457488 2008 UK_{324} 4 23.8 183°.53 2°.5/25.6 16

3 22	14 36.04	−20 46.8	1.892	2.717	14.2	22.8
4 1	14 29.13	−20 48.9	1.811	2.718	10.8	22.5
4 11	14 19.92	−20 36.4	1.752	2.719	7.0	22.3
4 21	14 9.23	−20 9.8	1.721	2.718	3.3	22.1
5 1	13 58.17	−19 32.2	1.718	2.716	3.5	22.1
5 11	13 47.92	−18 48.7	1.743	2.714	7.3	22.3
5 21	13 39.44	−18 5.5	1.794	2.711	11.2	22.5
5 31	13 33.40	−17 28.4	1.868	2.706	14.6	22.7

1287 Lorcia 4 23.8 95°.62 0°.9/22.9 18 R

3 22	14 26.26	−13 18.5	2.166	3.022	11.5	15.9
4 1	14 21.59	−12 23.9	2.097	3.028	8.3	15.7
4 11	14 15.36	−11 20.2	2.053	3.034	4.7	15.4
4 21	14 8.20	−10 11.9	2.036	3.040	1.1	15.2
5 1	14 0.90	− 9 4.1	2.049	3.046	3.3	15.4
5 11	13 54.27	− 8 2.6	2.089	3.052	6.9	15.6
5 21	13 48.93	− 7 11.6	2.155	3.058	10.2	15.8
5 31	13 45.35	− 6 34.3	2.244	3.064	13.1	16.0

359411 2010 KD_{46} 4 23.8 248°.20 6°.4/30.5 17

3 22	14 29.62	−35 29.4	2.574	3.322	12.9	20.8
4 1	14 24.26	−35 52.9	2.479	3.314	11.0	20.7
4 11	14 17.04	−35 57.8	2.405	3.307	8.9	20.5
4 21	14 8.60	−35 42.5	2.356	3.299	7.1	20.4
5 1	13 59.79	−35 7.3	2.333	3.292	6.4	20.3
5 11	13 51.56	−34 15.7	2.337	3.284	7.3	20.4
5 21	13 44.68	−33 12.9	2.367	3.276	9.2	20.5
5 31	13 39.75	−32 5.3	2.421	3.268	11.4	20.6

214980 2008 AL_{72} 4 23.8 106°.41 5°.9/17.9 18

3 22	14 27.64	+ 4 56.0	2.294	3.156	10.7	20.3
4 1	14 22.45	+ 5 50.6	2.240	3.162	8.3	20.1
4 11	14 15.80	+ 6 39.3	2.210	3.168	6.4	20.0
4 21	14 8.30	+ 7 17.2	2.208	3.174	6.0	20.0
5 1	14 0.69	+ 7 39.9	2.233	3.179	7.4	20.1
5 11	13 53.74	+ 7 45.1	2.284	3.185	9.7	20.2
5 21	13 48.02	+ 7 32.4	2.358	3.190	12.1	20.4
5 31	13 43.98	+ 7 2.7	2.453	3.196	14.1	20.6

424109 2007 EM_{83} 4 23.8 72°.27 1°.2/22.9 17

3 22	14 31.62	−11 3.0	1.643	2.506	14.1	21.1
4 1	14 25.81	−10 41.5	1.588	2.522	10.1	20.9
4 11	14 17.89	−10 12.8	1.556	2.538	5.8	20.6
4 21	14 8.76	− 9 40.9	1.551	2.554	1.5	20.4
5 1	13 59.53	− 9 10.6	1.573	2.570	4.0	20.6
5 11	13 51.28	− 8 47.0	1.621	2.586	8.3	20.9
5 21	13 44.85	− 8 33.7	1.693	2.602	12.2	21.2
5 31	13 40.76	− 8 33.0	1.787	2.618	15.4	21.4

503061 2015 FZ_{179} 4 23.8 219°.59 0°.3/23.6 17

3 22	14 29.43	−13 24.0	2.051	2.904	12.1	21.8
4 1	14 24.08	−13 5.8	1.973	2.901	8.9	21.6
4 11	14 16.90	−12 39.3	1.919	2.899	5.1	21.4
4 21	14 8.57	−12 7.3	1.892	2.896	1.1	21.1
5 1	13 59.96	−11 33.6	1.893	2.893	3.1	21.2
5 11	13 52.01	−11 2.8	1.922	2.890	7.0	21.4
5 21	13 45.48	−10 38.8	1.977	2.887	10.7	21.7
5 31	13 40.92	−10 24.9	2.054	2.883	13.8	21.9

13256 Marne 4 23.8 193°.24 6°.0/18.1 17 R

3 22	14 29.99	+ 1 37.3	1.962	2.828	12.0	18.0
4 1	14 24.43	+ 2 57.0	1.897	2.826	9.1	17.9
4 11	14 17.07	+ 4 14.4	1.859	2.824	6.7	17.7
4 21	14 8.60	+ 5 22.4	1.847	2.822	6.2	17.7
5 1	13 59.92	+ 6 14.6	1.863	2.819	8.0	17.8
5 11	13 51.97	+ 6 46.6	1.904	2.815	10.8	17.9
5 21	13 45.49	+ 6 56.7	1.969	2.810	13.7	18.1
5 31	13 40.99	+ 6 45.6	2.053	2.806	16.3	18.3

103284 2000 AL_{39} 4 23.8 212°.19 0°.7/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.94	−12 31.5	2.039	2.889	12.3	20.0
4 1	14 25.95	−12 4.5	1.955	2.882	9.0	19.8
4 11	14 18.02	−11 29.2	1.895	2.875	5.2	19.5
4 21	14 8.83	−10 48.7	1.863	2.867	1.2	19.2
5 1	13 59.30	−10 7.2	1.859	2.858	3.4	19.4
5 11	13 50.43	− 9 29.7	1.884	2.848	7.5	19.6
5 21	13 43.03	− 9 0.7	1.935	2.838	11.2	19.8
5 31	13 37.69	− 8 43.2	2.008	2.827	14.4	20.0

176943 2002 WQ_{21} 4 23.8 282°.25 3°.3/21.3 18

3 22	14 29.86	− 7 0.3	1.635	2.507	13.7	20.0
4 1	14 24.91	− 6 12.8	1.549	2.487	10.0	19.7
4 11	14 17.63	− 5 19.0	1.486	2.467	6.0	19.4
4 21	14 8.78	− 4 24.7	1.448	2.447	3.3	19.2
5 1	13 59.39	− 3 36.6	1.438	2.427	5.9	19.3
5 11	13 50.68	− 3 1.0	1.453	2.407	10.2	19.5
5 21	13 43.64	− 2 42.5	1.491	2.386	14.4	19.7
5 31	13 39.00	− 2 43.1	1.548	2.366	18.0	19.9

346230 2008 AE_{17} 4 23.8 134°.01 3°.0/20.3 18

3 22	14 26.93	− 3 35.7	2.743	3.602	9.2	21.9
4 1	14 21.72	− 2 46.6	2.684	3.615	6.7	21.7
4 11	14 15.31	− 1 57.0	2.651	3.627	4.2	21.6
4 21	14 8.20	− 1 10.8	2.647	3.638	3.0	21.5
5 1	14 1.02	− 0 31.7	2.673	3.650	4.5	21.6
5 11	13 54.38	− 0 2.8	2.727	3.660	7.0	21.8
5 21	13 48.79	+ 0 14.2	2.806	3.671	9.4	22.0
5 31	13 44.61	+ 0 18.5	2.908	3.681	11.5	22.2

39852 1998 CV_{3} 4 23.8 93°.81 4°.1/20.7 18

3 22	14 29.82	− 6 26.0	1.470	2.348	14.6	18.8
4 1	14 24.75	− 5 14.3	1.412	2.354	10.6	18.6
4 11	14 17.40	− 3 57.4	1.377	2.359	6.4	18.3
4 21	14 8.69	− 2 42.9	1.368	2.365	4.1	18.2
5 1	13 59.78	− 1 39.3	1.385	2.370	6.6	18.4
5 11	13 51.88	− 0 53.2	1.427	2.376	10.8	18.6
5 21	13 45.87	− 0 28.3	1.491	2.381	14.7	18.9
5 31	13 42.33	− 0 25.4	1.574	2.387	18.0	19.1

481004 2004 JU_{30} 4 23.8 311°.24 10°.3/15.4 16

3 22	14 35.59	+15 29.9	1.969	2.804	13.3	20.8
4 1	14 28.95	+16 15.9	1.872	2.760	11.6	20.6
4 11	14 19.97	+16 47.6	1.798	2.716	10.4	20.4
4 21	14 9.32	+16 57.2	1.749	2.673	10.5	20.3
5 1	13 57.99	+16 38.3	1.725	2.628	12.0	20.3
5 11	13 47.15	+15 48.3	1.725	2.584	14.4	20.4
5 21	13 37.83	+14 28.6	1.747	2.540	17.2	20.4
5 31	13 30.79	+12 43.0	1.788	2.496	19.8	20.5

455285 2002 AB_{56} 4 23.8 146°.25 3°.9/26.9 18

3 22	14 35.04	−25 30.1	1.909	2.718	14.7	22.2
4 1	14 28.31	−25 26.0	1.837	2.730	11.5	22.0
4 11	14 19.39	−25 3.2	1.787	2.741	7.9	21.8
4 21	14 9.13	−24 22.2	1.763	2.752	4.7	21.6
5 1	13 58.66	−23 26.3	1.768	2.762	4.3	21.6
5 11	13 49.13	−22 21.9	1.800	2.771	7.2	21.8
5 21	13 41.43	−21 16.0	1.858	2.779	10.6	22.0
5 31	13 36.13	−20 15.6	1.940	2.786	13.8	22.3

345737 2007 DZ_{52} 4 23.8 0°.60 9°.8/29.0 17

3 22	14 30.94	−31 1.1	1.273	2.092	20.0	19.8
4 1	14 26.69	−32 32.2	1.204	2.089	16.8	19.6
4 11	14 19.13	−33 39.1	1.153	2.088	13.4	19.4
4 21	14 9.18	−34 15.7	1.123	2.087	10.7	19.2
5 1	13 58.43	−34 19.6	1.116	2.088	9.9	19.2
5 11	13 48.74	−33 55.0	1.130	2.091	11.6	19.3
5 21	13 41.60	−33 11.0	1.165	2.095	14.7	19.5
5 31	13 37.99	−32 18.8	1.218	2.100	18.0	19.7

130822 2000 UD_{20} 4 23.8 254°.73 0°.6/23.4 17

3 22	14 32.71	−12 42.8	1.569	2.431	14.7	20.3
4 1	14 27.08	−12 27.0	1.487	2.420	10.8	20.1
4 11	14 18.93	−12 1.4	1.428	2.409	6.3	19.8
4 21	14 9.09	−11 29.0	1.394	2.398	1.4	19.4
5 1	13 58.73	−10 54.7	1.387	2.387	4.0	19.6
5 11	13 49.16	−10 24.6	1.407	2.376	8.9	19.8
5 21	13 41.47	−10 3.7	1.450	2.364	13.5	20.1
5 31	13 36.39	− 9 55.9	1.513	2.352	17.4	20.3

435399 2007 YL_{74} 4 23.8 71°.89 8°.2/14.9 16

3 22	14 26.95	+10 56.8	2.157	3.013	11.5	20.6
4 1	14 21.96	+12 24.6	2.125	3.032	9.5	20.5
4 11	14 15.50	+13 40.8	2.119	3.051	8.3	20.4
4 21	14 8.26	+14 39.3	2.139	3.070	8.5	20.5
5 1	14 1.01	+15 15.3	2.184	3.089	9.8	20.6
5 11	13 54.51	+15 27.3	2.252	3.108	11.7	20.7
5 21	13 49.34	+15 16.0	2.342	3.126	13.6	20.9
5 31	13 45.89	+14 43.9	2.450	3.145	15.3	21.1

294743 2008 CZ_3 4 23.8 68°.79 3°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.85	− 4 4.7	2.145	3.011	11.1	20.9
4 1	14 22.66	− 3 23.9	2.092	3.026	8.1	20.8
4 11	14 15.95	− 2 42.7	2.064	3.042	5.0	20.6
4 21	14 8.37	− 2 5.4	2.063	3.057	3.4	20.5
5 1	14 0.73	− 1 36.3	2.091	3.073	5.1	20.7
5 11	13 53.80	− 1 18.8	2.146	3.089	8.1	20.9
5 21	13 48.21	− 1 14.5	2.225	3.104	11.0	21.1
5 31	13 44.37	− 1 24.0	2.326	3.120	13.4	21.3

425963 2011 HL_{22} 4 23.8 351°.30 5°.3/20.8 17

3 22	14 29.09	− 1 25.1	1.355	2.240	15.1	19.9
4 1	14 24.53	− 1 1.9	1.291	2.233	11.2	19.7
4 11	14 17.45	− 0 41.5	1.248	2.227	7.3	19.5
4 21	14 8.76	− 0 29.8	1.229	2.222	5.3	19.3
5 1	13 59.69	− 0 32.5	1.234	2.218	7.5	19.4
5 11	13 51.56	− 0 53.2	1.263	2.215	11.6	19.6
5 21	13 45.40	− 1 32.5	1.313	2.213	15.6	19.9
5 31	13 41.90	− 2 29.4	1.382	2.213	19.1	20.1

148086 1999 CC_{92} 4 23.8 58°.00 1°.1/24.5 18

3 22	14 32.35	−16 24.8	1.496	2.352	15.6	19.5
4 1	14 26.61	−16 24.1	1.440	2.368	11.5	19.3
4 11	14 18.49	−16 10.8	1.407	2.384	6.9	19.0
4 21	14 8.95	−15 47.1	1.398	2.401	2.1	18.8
5 1	13 59.27	−15 17.5	1.416	2.417	3.4	18.9
5 11	13 50.67	−14 47.7	1.460	2.434	8.1	19.2
5 21	13 44.11	−14 23.4	1.528	2.451	12.3	19.5
5 31	13 40.15	−14 8.7	1.616	2.468	15.8	19.8

372923 2011 BV_{19} 4 23.8 76°.42 5°.6/18.9 18

3 22	14 28.53	− 1 20.9	1.687	2.563	13.1	20.4
4 1	14 23.46	+ 0 4.5	1.641	2.578	9.7	20.3
4 11	14 16.50	+ 1 28.6	1.620	2.594	6.6	20.1
4 21	14 8.50	+ 2 43.6	1.626	2.610	5.7	20.1
5 1	14 0.45	+ 3 42.3	1.658	2.625	7.7	20.2
5 11	13 53.33	+ 4 20.0	1.715	2.641	10.9	20.5
5 21	13 47.86	+ 4 35.2	1.794	2.656	13.9	20.7
5 31	13 44.50	+ 4 28.6	1.892	2.672	16.6	20.9

507358 2011 WT_{39} 4 23.8 156°.04 2°.7/26.7 18

3 22	14 30.48	−23 44.1	3.005	3.805	10.1	22.4
4 1	14 24.41	−23 57.5	2.923	3.812	7.8	22.3
4 11	14 16.94	−24 0.2	2.866	3.819	5.4	22.1
4 21	14 8.62	−23 52.4	2.837	3.825	3.2	22.0
5 1	14 0.09	−23 35.6	2.838	3.831	3.0	22.0
5 11	13 52.06	−23 12.5	2.869	3.836	5.0	22.1
5 21	13 45.10	−22 46.3	2.928	3.841	7.5	22.3
5 31	13 39.66	−22 20.8	3.012	3.845	9.7	22.5

362746 2011 UF_{334} 4 23.8 88°.67 2°.6/21.9 18

3 22	14 30.55	−10 12.5	1.403	2.277	15.4	21.1
4 1	14 25.37	− 9 10.4	1.345	2.286	11.1	20.8
4 11	14 17.81	− 7 58.9	1.311	2.294	6.3	20.6
4 21	14 8.82	− 6 45.1	1.301	2.303	2.6	20.4
5 1	13 59.64	− 5 37.1	1.317	2.311	5.5	20.6
5 11	13 51.55	− 4 42.9	1.359	2.319	10.1	20.8
5 21	13 45.47	− 4 7.2	1.423	2.327	14.3	21.1
5 31	13 41.97	− 3 52.2	1.506	2.336	17.9	21.4

390027 2012 UE_{35} 4 23.8 124°.45 0°.2/23.9 17

3 22	14 28.08	−15 18.2	2.432	3.274	10.8	21.9
4 1	14 22.79	−14 52.7	2.362	3.285	7.9	21.7
4 11	14 16.03	−14 18.7	2.317	3.295	4.6	21.5
4 21	14 8.41	−13 38.9	2.301	3.304	1.1	21.3
5 1	14 0.66	−12 56.8	2.313	3.314	2.5	21.4
5 11	13 53.52	−12 16.5	2.355	3.323	5.9	21.6
5 21	13 47.61	−11 41.8	2.423	3.332	9.0	21.8
5 31	13 43.35	−11 15.6	2.515	3.341	11.7	22.0

122956 2000 SU_{206} 4 23.8 200°.33 0°.6/24.3 18

3 22	14 30.58	−16 3.4	2.053	2.897	12.5	20.1
4 1	14 24.97	−15 48.7	1.973	2.895	9.2	19.9
4 11	14 17.46	−15 23.7	1.916	2.893	5.5	19.7
4 21	14 8.75	−14 50.6	1.887	2.890	1.5	19.4
5 1	13 59.75	−14 12.9	1.886	2.887	2.9	19.5
5 11	13 51.42	−13 35.5	1.913	2.883	6.8	19.7
5 21	13 44.55	−13 3.0	1.966	2.880	10.5	19.9
5 31	13 39.71	−12 39.3	2.042	2.875	13.7	20.1

411743 2012 BN_{87} 4 23.8 73°.24 2°.5/22.1 17

3 22	14 31.74	− 8 53.2	1.456	2.328	15.0	20.5
4 1	14 26.12	− 8 15.0	1.403	2.342	10.8	20.3
4 11	14 18.19	− 7 30.6	1.372	2.355	6.2	20.0
4 21	14 8.90	− 6 45.7	1.367	2.368	2.6	19.8
5 1	13 59.48	− 6 6.4	1.388	2.382	5.2	20.0
5 11	13 51.16	− 5 38.7	1.434	2.395	9.6	20.3
5 21	13 44.82	− 5 26.0	1.503	2.409	13.7	20.6
5 31	13 41.02	− 5 29.9	1.592	2.422	17.1	20.8

499301 2009 WZ_{22} 4 23.8 68°.91 3°.7/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.11	−26 0.6	1.743	2.565	15.3	21.1
4 1	14 24.09	−25 31.8	1.678	2.579	11.9	20.9
4 11	14 16.97	−24 41.6	1.635	2.594	8.1	20.7
4 21	14 8.63	−23 32.2	1.618	2.609	4.6	20.5
5 1	14 0.16	−22 8.9	1.627	2.624	4.1	20.5
5 11	13 52.67	−20 39.8	1.663	2.639	7.1	20.7
5 21	13 46.97	−19 13.2	1.725	2.654	10.8	21.0
5 31	13 43.59	−17 56.3	1.809	2.668	14.1	21.2

161785 2006 UR_{179} 4 23.8 129°.76 3°.1/20.9 18

3 22	14 27.70	− 4 24.6	2.301	3.164	10.6	20.4
4 1	14 22.57	− 3 48.7	2.233	3.166	7.7	20.2
4 11	14 15.94	− 3 11.7	2.190	3.169	4.7	20.0
4 21	14 8.40	− 2 37.7	2.176	3.171	3.1	19.9
5 1	14 0.70	− 2 10.5	2.190	3.173	4.8	20.0
5 11	13 53.60	− 1 53.6	2.231	3.175	7.7	20.2
5 21	13 47.72	− 1 49.0	2.298	3.177	10.6	20.4
5 31	13 43.53	− 1 57.5	2.386	3.179	13.2	20.6

48940 1998 QV_8 4 23.8 265°.46 4°.5/20.4 18

3 22	14 30.44	− 3 46.2	1.631	2.504	13.6	18.3
4 1	14 25.23	− 2 52.2	1.556	2.494	10.0	18.1
4 11	14 17.77	− 1 55.7	1.504	2.483	6.4	17.9
4 21	14 8.84	− 1 3.3	1.478	2.471	4.6	17.7
5 1	13 59.53	− 0 21.6	1.479	2.460	6.9	17.8
5 11	13 50.98	+ 0 3.5	1.505	2.449	10.7	18.0
5 21	13 44.14	+ 0 9.2	1.553	2.437	14.6	18.2
5 31	13 39.68	− 0 5.3	1.621	2.425	17.9	18.4

368440 2002 WH_{23} 4 23.8 269°.21 0°.6/24.2 17

3 22	14 28.95	−17 21.3	1.688	2.541	14.3	21.2
4 1	14 24.21	−16 40.8	1.601	2.528	10.6	20.9
4 11	14 17.22	−15 44.5	1.538	2.516	6.3	20.6
4 21	14 8.73	−14 35.6	1.500	2.503	1.7	20.3
5 1	13 59.81	−13 20.3	1.489	2.490	3.4	20.4
5 11	13 51.63	−12 6.2	1.505	2.477	8.1	20.6
5 21	13 45.14	−11 0.8	1.546	2.464	12.5	20.8
5 31	13 41.02	−10 9.8	1.607	2.451	16.3	21.1

353713 2011 VC_7 4 23.8 137°.16 5°.0/29.9 18

3 22	14 27.42	−33 13.5	2.564	3.329	12.6	20.4
4 1	14 22.48	−32 55.8	2.478	3.332	10.4	20.2
4 11	14 15.92	−32 18.5	2.413	3.335	8.0	20.1
4 21	14 8.40	−31 22.0	2.374	3.338	5.8	20.0
5 1	14 0.72	−30 8.7	2.363	3.340	5.0	19.9
5 11	13 53.69	−28 43.7	2.380	3.343	6.2	20.0
5 21	13 47.98	−27 13.2	2.425	3.345	8.5	20.1
5 31	13 44.06	−25 43.9	2.494	3.348	10.9	20.3

73134 2002 GE_{75} 4 23.8 328°.67 0°.2/23.6 18

3 22	14 27.72	−15 54.8	1.326	2.197	16.3	19.1
4 1	14 23.69	−15 6.3	1.253	2.191	12.0	18.8
4 11	14 17.05	−14 0.3	1.202	2.185	7.0	18.5
4 21	14 8.70	−12 41.7	1.175	2.179	1.5	18.1
5 1	13 59.93	−11 19.0	1.172	2.173	4.2	18.3
5 11	13 52.13	−10 1.9	1.195	2.168	9.6	18.6
5 21	13 46.37	− 8 59.0	1.239	2.164	14.5	18.9
5 31	13 43.37	− 8 15.9	1.303	2.160	18.6	19.1

18002 1999 JJ_{84} 4 23.8 72°.45 9°.7/15.3 18

3 22	14 29.29	+10 43.5	1.699	2.562	13.7	18.0
4 1	14 24.07	+12 14.2	1.657	2.569	11.3	17.8
4 11	14 16.90	+13 31.9	1.639	2.577	9.9	17.8
4 21	14 8.62	+14 28.4	1.645	2.584	10.0	17.8
5 1	14 0.24	+14 57.4	1.676	2.591	11.6	17.9
5 11	13 52.79	+14 57.0	1.728	2.598	13.9	18.1
5 21	13 47.02	+14 28.6	1.801	2.606	16.3	18.2
5 31	13 43.42	+13 35.8	1.891	2.613	18.4	18.4

438364 2006 SS_{316} 4 23.8 199°.79 2°.0/21.5 18

3 22	14 26.28	− 8 17.2	2.634	3.491	9.6	21.9
4 1	14 21.43	− 7 25.1	2.556	3.488	6.9	21.8
4 11	14 15.25	− 6 28.5	2.504	3.484	4.0	21.6
4 21	14 8.25	− 5 31.3	2.481	3.481	2.0	21.4
5 1	14 1.09	− 4 37.7	2.488	3.477	3.8	21.5
5 11	13 54.43	− 3 51.8	2.523	3.472	6.7	21.7
5 21	13 48.81	− 3 16.7	2.585	3.468	9.5	21.9
5 31	13 44.67	− 2 54.2	2.670	3.463	11.9	22.1

56265 1999 JD_{96} 4 23.8 271°.98 5°.9/17.0 18

3 22	14 25.36	+ 2 31.7	2.212	3.081	10.7	19.3
4 1	14 20.99	+ 4 0.2	2.144	3.073	8.2	19.2
4 11	14 15.08	+ 5 26.6	2.102	3.064	6.3	19.0
4 21	14 8.23	+ 6 44.2	2.088	3.056	6.1	19.0
5 1	14 1.16	+ 7 46.7	2.101	3.048	7.8	19.1
5 11	13 54.66	+ 8 29.8	2.139	3.039	10.3	19.2
5 21	13 49.36	+ 8 51.8	2.201	3.031	12.9	19.4
5 31	13 45.74	+ 8 52.6	2.281	3.022	15.1	19.5

422786 2001 VH_{132} 4 23.8 275°.61 3°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 20.64	+ 2 46.9	4.395	5.251	6.1	20.9
4 1	14 16.96	+ 3 21.8	4.317	5.240	4.6	20.8
4 11	14 12.53	+ 3 54.5	4.266	5.228	3.4	20.7
4 21	14 7.65	+ 4 22.7	4.245	5.216	3.1	20.6
5 1	14 2.67	+ 4 44.4	4.252	5.204	4.0	20.7
5 11	13 57.94	+ 4 57.9	4.288	5.192	5.5	20.8
5 21	13 53.77	+ 5 2.3	4.349	5.181	7.0	20.9
5 31	13 50.42	+ 4 57.2	4.433	5.169	8.4	21.0

457394 2008 TS_{70} 4 23.8 164°.70 1°.4/23.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 36.31	− 9 49.6	1.477	2.340	15.4	21.6
4 1	14 29.67	− 9 45.8	1.409	2.343	11.2	21.4
4 11	14 20.39	− 9 36.0	1.363	2.345	6.5	21.1
4 21	14 9.44	− 9 23.3	1.343	2.347	1.8	20.8
5 1	13 58.11	− 9 12.2	1.350	2.348	4.5	21.0
5 11	13 47.80	− 9 7.2	1.383	2.349	9.4	21.3
5 21	13 39.60	− 9 11.8	1.440	2.350	13.8	21.5
5 31	13 34.19	− 9 28.6	1.517	2.351	17.6	21.8

26374 1999 CP_{106} 4 23.8 107°.34 3°.8/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.80	− 6 40.1	1.797	2.667	12.7	18.3
4 1	14 23.60	− 5 8.4	1.744	2.681	9.2	18.1
4 11	14 16.59	− 3 32.0	1.715	2.695	5.6	17.9
4 21	14 8.55	− 1 58.4	1.714	2.709	3.8	17.8
5 1	14 0.45	− 0 35.5	1.741	2.722	6.1	18.0
5 11	13 53.21	+ 0 30.5	1.795	2.735	9.6	18.2
5 21	13 47.55	+ 1 16.0	1.872	2.747	12.9	18.4
5 31	13 43.94	+ 1 40.0	1.970	2.760	15.7	18.6

236074 2005 JW_{126} 4 23.8 325°.42 0°.5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.57	−12 7.2	1.759	2.622	13.3	19.8
4 1	14 23.84	−12 0.1	1.675	2.609	9.7	19.5
4 11	14 16.98	−11 45.5	1.615	2.597	5.6	19.3
4 21	14 8.69	−11 25.9	1.581	2.585	1.2	18.9
5 1	13 59.97	−11 5.3	1.573	2.573	3.5	19.1
5 11	13 51.91	−10 48.3	1.592	2.562	8.0	19.3
5 21	13 45.42	−10 38.9	1.635	2.551	12.1	19.5
5 31	13 41.17	−10 40.1	1.699	2.541	15.6	19.7

66838 1999 UF_{49} 4 23.8 165°.72 2°.0/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.50	−19 41.5	2.038	2.871	13.0	20.2
4 1	14 24.95	−19 39.1	1.959	2.873	9.8	20.0
4 11	14 17.47	−19 24.0	1.905	2.874	6.2	19.8
4 21	14 8.78	−18 57.6	1.877	2.876	2.7	19.5
5 1	13 59.80	−18 22.7	1.877	2.877	3.0	19.6
5 11	13 51.52	−17 44.3	1.904	2.877	6.6	19.8
5 21	13 44.75	−17 7.3	1.958	2.878	10.2	20.0
5 31	13 40.05	−16 36.5	2.035	2.879	13.3	20.2

497285 2005 SX_{11} 4 23.8 142°.02 1°.4/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.01	−17 30.3	2.106	2.938	12.6	21.9
4 1	14 27.36	−17 37.0	2.034	2.948	9.4	21.7
4 11	14 18.80	−17 33.4	1.986	2.958	5.8	21.5
4 21	14 9.07	−17 20.7	1.966	2.967	2.2	21.3
5 1	13 59.11	−17 1.4	1.975	2.975	2.9	21.3
5 11	13 49.90	−16 39.4	2.013	2.983	6.5	21.6
5 21	13 42.25	−16 19.0	2.077	2.990	10.0	21.8
5 31	13 36.68	−16 4.0	2.164	2.997	13.0	22.0

254684 2005 MK_{4} 4 23.8 311°.80 2°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.58	− 9 23.2	1.482	2.357	14.7	20.7
4 1	14 24.78	− 8 43.1	1.410	2.350	10.7	20.5
4 11	14 17.58	− 7 55.1	1.361	2.344	6.2	20.2
4 21	14 8.83	− 7 4.6	1.336	2.338	2.5	19.9
5 1	13 59.69	− 6 18.3	1.338	2.332	5.2	20.1
5 11	13 51.42	− 5 42.8	1.364	2.327	9.8	20.3
5 21	13 45.01	− 5 22.8	1.413	2.322	14.2	20.6
5 31	13 41.15	− 5 20.7	1.482	2.317	17.9	20.8

210461 1994 CN_{7} 4 23.8 159°.65 4°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.22	− 0 52.5	2.405	3.269	10.2	21.3
4 1	14 22.15	+ 0 9.5	2.342	3.273	7.5	21.2
4 11	14 15.67	+ 1 10.7	2.306	3.277	5.2	21.0
4 21	14 8.36	+ 2 6.1	2.297	3.281	4.3	21.0
5 1	14 0.92	+ 2 50.9	2.318	3.284	5.9	21.1
5 11	13 54.08	+ 3 21.6	2.365	3.287	8.5	21.2
5 21	13 48.39	+ 3 36.5	2.437	3.290	11.0	21.4
5 31	13 44.30	+ 3 35.3	2.530	3.292	13.3	21.6

233822 2008 UE_{203} 4 23.8 213°.30 2°.3/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.65	−20 7.4	1.988	2.821	13.2	20.4
4 1	14 25.15	−20 11.2	1.907	2.820	10.1	20.2
4 11	14 17.63	−20 2.0	1.850	2.818	6.5	20.0
4 21	14 8.83	−19 40.8	1.819	2.817	3.0	19.8
5 1	13 59.69	−19 10.2	1.816	2.816	3.2	19.8
5 11	13 51.25	−18 34.9	1.841	2.814	6.8	20.0
5 21	13 44.35	−18 0.2	1.891	2.812	10.4	20.2
5 31	13 39.59	−17 30.9	1.964	2.811	13.6	20.4

390101 2012 VR_{10} 4 23.8 146°.18 2°.1/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.55	−22 13.2	2.402	3.223	11.6	21.1
4 1	14 22.53	−21 45.9	2.323	3.228	8.9	20.9
4 11	14 15.95	−21 5.0	2.268	3.233	5.7	20.7
4 21	14 8.43	−20 12.2	2.241	3.237	2.8	20.5
5 1	14 0.75	−19 11.2	2.242	3.242	2.7	20.5
5 11	13 53.69	−18 7.1	2.272	3.246	5.7	20.7
5 21	13 47.89	−17 5.2	2.330	3.249	8.8	20.9
5 31	13 43.82	−16 10.0	2.411	3.253	11.6	21.1

497354 2005 UX_{185} 4 23.8 212°.89 2°.0/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.20	− 7 50.0	2.240	3.093	11.2	22.8
4 1	14 26.00	− 7 27.3	2.156	3.085	8.2	22.6
4 11	14 18.02	− 7 0.8	2.098	3.077	4.8	22.4
4 21	14 8.91	− 6 33.8	2.068	3.069	2.0	22.2
5 1	13 59.50	− 6 10.1	2.067	3.059	4.0	22.3
5 11	13 50.68	− 5 53.3	2.095	3.050	7.5	22.5
5 21	13 43.18	− 5 46.2	2.149	3.039	10.8	22.7
5 31	13 37.56	− 5 50.6	2.226	3.028	13.7	22.8

128111 2003 QJ_{17} 4 23.8 200°.93 2°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.71	− 8 24.9	2.167	3.027	11.3	20.5
4 1	14 23.45	− 7 41.2	2.092	3.025	8.1	20.3
4 11	14 16.53	− 6 52.6	2.041	3.022	4.7	20.1
4 21	14 8.57	− 6 3.1	2.019	3.019	2.2	19.9
5 1	14 0.39	− 5 17.6	2.025	3.016	4.2	20.0
5 11	13 52.84	− 4 40.7	2.059	3.012	7.7	20.2
5 21	13 46.59	− 4 15.5	2.118	3.008	11.0	20.4
5 31	13 42.17	− 4 4.2	2.199	3.003	13.8	20.6

192539 1998 SC_{119} 4 23.8 151°.95 1°.6/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.83	−17 29.7	1.575	2.421	15.5	20.3
4 1	14 29.25	−17 33.1	1.505	2.427	11.6	20.0
4 11	14 20.13	−17 23.1	1.458	2.432	7.1	19.8
4 21	14 9.40	−17 1.0	1.436	2.438	2.5	19.5
5 1	13 58.31	−16 30.6	1.441	2.442	3.5	19.6
5 11	13 48.24	−15 57.8	1.473	2.446	8.2	19.9
5 21	13 40.20	−15 28.4	1.530	2.450	12.5	20.1
5 31	13 34.89	−15 7.7	1.608	2.453	16.2	20.4

112976 2002 RF_{22} 4 23.8 184°.19 1°.5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.13	−18 39.3	2.397	3.226	11.4	20.1
4 1	14 24.44	−18 36.0	2.314	3.226	8.5	20.0
4 11	14 17.09	−18 22.4	2.256	3.226	5.3	19.7
4 21	14 8.70	−17 59.7	2.226	3.226	2.1	19.5
5 1	14 0.06	−17 30.5	2.225	3.225	2.6	19.6
5 11	13 52.00	−16 58.8	2.252	3.224	5.9	19.8
5 21	13 45.21	−16 28.5	2.307	3.222	9.1	20.0
5 31	13 40.21	−16 3.5	2.385	3.220	11.9	20.1

508078 2015 DF_{52} 4 23.8 194°.32 1°.0/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.71	−10 58.2	1.994	2.850	12.3	21.4
4 1	14 25.06	−10 42.6	1.919	2.849	8.9	21.2
4 11	14 17.53	−10 20.8	1.868	2.849	5.1	21.0
4 21	14 8.81	− 9 55.7	1.844	2.848	1.3	20.7
5 1	13 59.82	− 9 31.3	1.849	2.846	3.5	20.8
5 11	13 51.52	− 9 11.6	1.881	2.845	7.4	21.1
5 21	13 44.70	− 9 0.0	1.939	2.844	11.1	21.3
5 31	13 39.91	− 8 59.0	2.018	2.842	14.2	21.5

268378 2005 UH_{20} 4 23.8 57°.97 1°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.70	− 7 52.2	1.540	2.404	14.8	19.9
4 1	14 28.88	− 8 2.1	1.489	2.423	10.7	19.7
4 11	14 19.75	− 8 9.0	1.460	2.442	6.1	19.4
4 21	14 9.28	− 8 15.6	1.458	2.461	2.0	19.2
5 1	13 58.72	− 8 25.0	1.484	2.481	4.4	19.4
5 11	13 49.29	− 8 40.3	1.536	2.500	8.8	19.7
5 21	13 41.89	− 9 3.3	1.612	2.520	12.7	20.0
5 31	13 37.08	− 9 35.4	1.709	2.540	16.0	20.3

170728 2004 BG_{74} 4 23.8 143°.27 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.08	−14 45.3	2.203	3.051	11.6	20.5
4 1	14 22.99	−14 17.8	2.128	3.054	8.5	20.3
4 11	14 16.25	−13 41.3	2.079	3.057	4.9	20.1
4 21	14 8.52	−12 58.5	2.056	3.060	1.1	19.9
5 1	14 0.58	−12 13.6	2.063	3.063	2.8	20.0
5 11	13 53.29	−11 31.3	2.098	3.066	6.5	20.2
5 21	13 47.32	−10 55.6	2.158	3.068	9.9	20.4
5 31	13 43.15	−10 29.8	2.242	3.071	12.8	20.6

33290 1998 KZ_{7} 4 23.8 254°.57 5°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.13	+ 4 20.2	2.496	3.353	10.1	18.1
4 1	14 23.59	+ 4 56.3	2.420	3.341	7.8	17.9
4 11	14 16.55	+ 5 27.4	2.370	3.330	5.9	17.8
4 21	14 8.58	+ 5 49.4	2.348	3.318	5.4	17.7
5 1	14 0.40	+ 5 58.5	2.354	3.307	6.7	17.8
5 11	13 52.73	+ 5 52.4	2.386	3.295	9.0	17.9
5 21	13 46.20	+ 5 30.6	2.443	3.282	11.5	18.0
5 31	13 41.28	+ 4 53.7	2.522	3.270	13.7	18.2

28036 1998 FZ_{26} 4 23.8 115°.47 3°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.02	−23 30.2	2.320	3.134	12.2	18.0
4 1	14 24.44	−23 41.5	2.241	3.139	9.5	17.9
4 11	14 17.13	−23 39.4	2.187	3.144	6.5	17.7
4 21	14 8.73	−23 24.3	2.160	3.150	3.8	17.5
5 1	14 0.08	−22 58.3	2.160	3.155	3.5	17.5
5 11	13 52.06	−22 25.1	2.189	3.160	6.1	17.7
5 21	13 45.41	−21 49.4	2.244	3.165	9.1	17.9
5 31	13 40.64	−21 16.0	2.323	3.170	11.8	18.1

363085 2000 RU_{57} 4 23.8 232°.33 2°.2/25.4 16

3 22	14 33.61	−20 4.0	1.857	2.689	14.1	22.2
4 1	14 27.57	−19 57.0	1.764	2.676	10.7	21.9
4 11	14 19.19	−19 35.1	1.694	2.663	6.9	21.7
4 21	14 9.23	−18 59.1	1.650	2.649	3.0	21.4
5 1	13 58.74	−18 12.5	1.634	2.634	3.4	21.4
5 11	13 48.93	−17 20.9	1.646	2.618	7.5	21.6
5 21	13 40.79	−16 30.8	1.683	2.602	11.6	21.8
5 31	13 35.05	−15 48.3	1.743	2.585	15.3	22.0

221874 2008 GD_{132} 4 23.8 226°.75 2°.3/21.8 18

3 22	14 29.08	− 9 25.7	1.841	2.706	12.7	21.3
4 1	14 24.01	− 8 31.4	1.766	2.701	9.2	21.1
4 11	14 16.98	− 7 29.8	1.714	2.696	5.3	20.9
4 21	14 8.71	− 6 25.8	1.690	2.691	2.3	20.7
5 1	14 0.16	− 5 25.8	1.693	2.685	4.7	20.8
5 11	13 52.33	− 4 35.9	1.723	2.679	8.7	21.0
5 21	13 46.03	− 4 0.5	1.778	2.673	12.4	21.2
5 31	13 41.83	− 3 41.9	1.853	2.667	15.6	21.4

55824 1995 QN_1 4 23.8 120°.82 0°.4/23.4 18

3 22	14 27.33	−13 35.7	2.251	3.102	11.2	20.1
4 1	14 22.41	−13 4.5	2.177	3.106	8.2	19.9
4 11	14 15.91	−12 25.3	2.129	3.109	4.7	19.7
4 21	14 8.46	−11 41.0	2.108	3.112	1.0	19.4
5 1	14 0.83	−10 55.9	2.116	3.115	2.9	19.6
5 11	13 53.82	−10 14.3	2.152	3.118	6.5	19.8
5 21	13 48.07	− 9 40.3	2.214	3.121	9.8	20.0
5 31	13 44.06	− 9 16.8	2.299	3.124	12.6	20.2

297668 2001 UK_{79} 4 23.8 71°.87 0°.2/24.1 18

3 22	14 25.92	−18 17.7	2.145	2.988	12.0	19.9
4 1	14 21.41	−17 3.5	2.074	2.997	8.8	19.7
4 11	14 15.32	−15 35.2	2.028	3.005	5.2	19.5
4 21	14 8.32	−13 57.7	2.010	3.013	1.2	19.2
5 1	14 1.22	−12 17.3	2.021	3.022	2.8	19.3
5 11	13 54.82	−10 41.2	2.061	3.030	6.6	19.6
5 21	13 49.75	− 9 15.6	2.128	3.038	10.0	19.8
5 31	13 46.46	− 8 5.0	2.219	3.047	12.9	20.0

247904 2003 UC_{315} 4 23.8 231°.74 1°.7/22.4 17

3 22	14 31.83	−10 30.1	1.924	2.781	12.6	21.2
4 1	14 26.05	− 9 49.2	1.837	2.768	9.2	20.9
4 11	14 18.21	− 9 0.3	1.774	2.755	5.3	20.7
4 21	14 9.01	− 8 7.4	1.738	2.740	1.8	20.4
5 1	13 59.40	− 7 15.9	1.731	2.726	4.2	20.5
5 11	13 50.44	− 6 31.7	1.751	2.710	8.4	20.8
5 21	13 42.99	− 5 59.2	1.797	2.694	12.2	21.0
5 31	13 37.69	− 5 41.5	1.864	2.677	15.6	21.1

278728 2008 SO_{68} 4 23.8 173°.36 2°.5/21.5 17

3 22	14 28.72	− 7 34.3	2.204	3.065	11.1	21.2
4 1	14 23.40	− 6 46.0	2.133	3.067	8.0	21.0
4 11	14 16.48	− 5 53.4	2.088	3.068	4.7	20.8
4 21	14 8.59	− 5 1.0	2.071	3.070	2.5	20.7
5 1	14 0.52	− 4 13.6	2.082	3.071	4.4	20.8
5 11	13 53.09	− 3 35.7	2.121	3.071	7.7	21.0
5 21	13 46.95	− 3 10.3	2.186	3.072	10.9	21.2
5 31	13 42.59	− 2 59.2	2.273	3.071	13.6	21.4

157919 1999 UZ_{38} 4 23.8 272°.99 0°.9/24.6 18

3 22	14 29.45	−18 1.1	2.111	2.950	12.4	19.8
4 1	14 24.34	−17 28.5	2.003	2.923	9.3	19.6
4 11	14 17.26	−16 42.1	1.920	2.895	5.7	19.3
4 21	14 8.81	−15 43.9	1.864	2.866	1.8	19.0
5 1	13 59.85	−14 38.2	1.836	2.837	2.9	19.0
5 11	13 51.37	−13 30.9	1.837	2.807	7.0	19.2
5 21	13 44.22	−12 28.1	1.863	2.777	11.0	19.4
5 31	13 39.08	−11 35.5	1.913	2.746	14.5	19.5

382165 2012 HT_{63} 4 23.8 277°.00 2°.2/22.2 17

3 22	14 31.87	− 8 39.1	1.926	2.786	12.5	21.2
4 1	14 26.26	− 8 7.5	1.823	2.755	9.2	20.9
4 11	14 18.46	− 7 29.6	1.744	2.724	5.4	20.6
4 21	14 9.09	− 6 49.0	1.691	2.693	2.2	20.3
5 1	13 59.11	− 6 10.9	1.667	2.661	4.6	20.4
5 11	13 49.58	− 5 40.5	1.671	2.628	8.8	20.6
5 21	13 41.47	− 5 22.1	1.699	2.595	12.9	20.8
5 31	13 35.54	− 5 18.5	1.749	2.561	16.5	20.9

122248 2000 OE_{29} 4 23.8 215°.44 1°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.49	−10 14.8	2.546	3.395	10.2	20.8
4 1	14 23.87	− 9 26.8	2.457	3.385	7.4	20.6
4 11	14 16.74	− 8 32.4	2.394	3.374	4.2	20.4
4 21	14 8.66	− 7 35.2	2.360	3.362	1.6	20.2
5 1	14 0.32	− 6 39.6	2.357	3.349	3.5	20.3
5 11	13 52.49	− 5 50.1	2.382	3.336	6.8	20.5
5 21	13 45.77	− 5 10.3	2.435	3.322	9.8	20.7
5 31	13 40.68	− 4 42.7	2.510	3.307	12.5	20.8

69807 1998 RE_{24} 4 23.8 179°.17 1°.1/24.8 18

3 22	14 30.02	−17 27.9	2.267	3.104	11.7	20.0
4 1	14 24.42	−17 16.2	2.187	3.105	8.7	19.8
4 11	14 17.12	−16 54.2	2.132	3.105	5.3	19.5
4 21	14 8.74	−16 23.7	2.104	3.106	1.8	19.3
5 1	14 0.13	−15 47.8	2.105	3.106	2.6	19.4
5 11	13 52.14	−15 10.8	2.134	3.105	6.2	19.6
5 21	13 45.48	−14 37.1	2.190	3.104	9.6	19.8
5 31	13 40.67	−14 10.4	2.270	3.103	12.5	20.0

33478 Deniselivon 4 23.8 344°.91 3°.5/25.9 18 R

3 22	14 29.63	−21 25.5	1.237	2.095	18.1	18.3
4 1	14 25.42	−21 30.5	1.166	2.090	13.9	18.0
4 11	14 18.24	−21 14.6	1.114	2.086	9.1	17.7
4 21	14 9.06	−20 38.5	1.084	2.082	4.5	17.5
5 1	13 59.32	−19 46.4	1.078	2.079	4.6	17.4
5 11	13 50.64	−18 47.0	1.096	2.076	9.3	17.7
5 21	13 44.28	−17 49.7	1.136	2.074	14.2	18.0
5 31	13 41.04	−17 2.8	1.195	2.073	18.5	18.2

162808 2001 AS_{12} 4 23.8 190°.28 3°.2/20.8 17

3 22	14 31.52	− 5 57.6	2.129	2.988	11.5	20.6
4 1	14 25.50	− 4 55.7	2.055	2.986	8.4	20.4
4 11	14 17.73	− 3 49.9	2.006	2.984	5.1	20.2
4 21	14 8.88	− 2 45.3	1.986	2.981	3.2	20.1
5 1	13 59.81	− 1 47.8	1.995	2.978	5.2	20.2
5 11	13 51.41	− 1 2.4	2.032	2.973	8.6	20.4
5 21	13 44.41	− 0 32.3	2.094	2.967	11.8	20.6
5 31	13 39.32	− 0 18.9	2.178	2.961	14.6	20.8

204885 2007 TD_{144} 4 23.8 169°.61 0°.1/23.7 17

3 22	14 28.05	−14 34.7	2.084	2.935	12.0	20.6
4 1	14 23.08	−14 6.0	2.008	2.935	8.8	20.3
4 11	14 16.37	−13 27.8	1.956	2.936	5.1	20.1
4 21	14 8.58	−12 43.1	1.932	2.936	1.1	19.8
5 1	14 0.57	−11 56.3	1.936	2.936	2.9	20.0
5 11	13 53.22	−11 12.4	1.968	2.936	6.8	20.2
5 21	13 47.24	−10 35.8	2.025	2.937	10.4	20.4
5 31	13 43.16	−10 10.0	2.105	2.937	13.4	20.6

222825 2002 DL_8 4 23.8 145°.36 3°.8/20.4 18

3 22	14 32.12	− 1 32.3	2.354	3.209	10.7	21.1
4 1	14 25.67	− 0 56.1	2.294	3.221	7.8	20.9
4 11	14 17.70	− 0 21.1	2.260	3.233	5.1	20.7
4 21	14 8.86	+ 0 8.6	2.255	3.244	3.8	20.7
5 1	13 59.93	+ 0 29.1	2.279	3.254	5.4	20.8
5 11	13 51.69	+ 0 37.6	2.331	3.263	8.1	21.0
5 21	13 44.76	+ 0 33.1	2.409	3.272	10.8	21.2
5 31	13 39.58	+ 0 15.3	2.509	3.280	13.2	21.3

143553 2003 EG_{38} 4 23.8 107°.94 6°.1/30.4 18

3 22	14 30.76	−34 35.4	2.493	3.246	13.2	19.6
4 1	14 25.01	−34 53.2	2.417	3.258	11.0	19.5
4 11	14 17.47	−34 51.8	2.363	3.271	8.8	19.3
4 21	14 8.82	−34 30.3	2.334	3.283	6.8	19.2
5 1	13 59.98	−33 50.0	2.331	3.295	6.1	19.2
5 11	13 51.85	−32 55.0	2.356	3.307	7.0	19.3
5 21	13 45.17	−31 50.9	2.407	3.318	8.9	19.4
5 31	13 40.47	−30 44.0	2.482	3.329	11.1	19.6

434404 2005 GX_{179} 4 23.8 273°.75 19°.3/15.9 17

3 22	14 46.90	+24 34.5	1.050	1.880	22.6	20.5
4 1	14 38.39	+25 41.8	1.000	1.871	20.7	20.3
4 11	14 25.85	+26 11.7	0.967	1.861	19.4	20.2
4 21	14 10.74	+25 49.2	0.952	1.851	19.5	20.1
5 1	13 55.25	+24 26.4	0.955	1.841	20.9	20.2
5 11	13 41.59	+22 6.5	0.977	1.831	23.3	20.3
5 21	13 31.31	+19 1.7	1.016	1.821	26.0	20.4
5 31	13 25.15	+15 26.9	1.068	1.811	28.7	20.6

73860 1996 XR_5 4 23.8 166°.08 1°.3/22.8 18

3 22	14 33.58	−10 33.0	2.047	2.897	12.2	20.6
4 1	14 27.05	−10 5.9	1.975	2.903	8.9	20.4
4 11	14 18.64	− 9 32.5	1.928	2.909	5.1	20.2
4 21	14 9.09	− 8 56.3	1.910	2.913	1.5	19.9
5 1	13 59.34	− 8 21.5	1.921	2.917	3.7	20.1
5 11	13 50.34	− 7 52.6	1.960	2.920	7.5	20.3
5 21	13 42.87	− 7 33.2	2.025	2.922	11.1	20.5
5 31	13 37.47	− 7 25.4	2.112	2.923	14.1	20.8

127557 2002 YA_{12} 4 23.8 25°.24 23°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 38.14	+33 41.2	0.937	1.755	25.6	17.5
4 1	14 31.40	+34 43.2	0.929	1.769	24.4	17.4
4 11	14 21.27	+34 52.1	0.935	1.785	23.7	17.4
4 21	14 9.59	+33 59.6	0.953	1.803	23.6	17.5
5 1	13 58.48	+32 5.5	0.987	1.823	24.2	17.6
5 11	13 49.66	+29 19.0	1.034	1.844	25.3	17.8
5 21	13 44.06	+25 54.5	1.096	1.866	26.6	18.0
5 31	13 41.94	+22 6.5	1.171	1.889	27.8	18.2

435882 2008 YT_{144} 4 23.8 145°.76 2°.8/21.0 17

3 22	14 27.54	− 6 16.6	2.230	3.094	10.9	21.6
4 1	14 22.52	− 5 24.9	2.164	3.098	7.8	21.4
4 11	14 15.97	− 4 30.0	2.122	3.102	4.7	21.2
4 21	14 8.50	− 3 36.6	2.109	3.106	2.8	21.1
5 1	14 0.89	− 2 49.6	2.124	3.110	4.7	21.2
5 11	13 53.90	− 2 13.1	2.167	3.113	7.8	21.4
5 21	13 48.17	− 1 50.0	2.235	3.116	10.8	21.6
5 31	13 44.16	− 1 41.6	2.325	3.119	13.4	21.8

347456 2012 TE_{259} 4 23.8 270°.67 1°.7/22.4 18

3 22	14 28.23	− 9 50.5	2.016	2.878	11.9	20.7
4 1	14 23.28	− 9 16.0	1.938	2.872	8.6	20.5
4 11	14 16.53	− 8 35.4	1.885	2.867	5.0	20.3
4 21	14 8.65	− 7 52.4	1.859	2.861	1.8	20.1
5 1	14 0.49	− 7 11.9	1.861	2.856	4.0	20.2
5 11	13 52.98	− 6 38.6	1.890	2.850	7.7	20.4
5 21	13 46.85	− 6 16.2	1.944	2.845	11.3	20.6
5 31	13 42.65	− 6 6.9	2.020	2.839	14.3	20.8

504648 2008 YP_1 4 23.8 271°.29 1°.7/25.5 17

3 22	14 27.79	−21 40.1	1.969	2.802	13.4	21.7
4 1	14 23.18	−20 50.4	1.872	2.785	10.2	21.4
4 11	14 16.58	−19 42.0	1.798	2.768	6.4	21.2
4 21	14 8.68	−18 17.5	1.751	2.751	2.6	20.9
5 1	14 0.40	−16 42.2	1.733	2.734	3.0	20.9
5 11	13 52.75	−15 4.0	1.742	2.716	7.0	21.1
5 21	13 46.57	−13 30.8	1.778	2.698	11.0	21.3
5 31	13 42.49	−12 9.5	1.836	2.680	14.5	21.5

227196 2005 QW_{76} 4 23.8 191°.67 0°.6/24.2 17

3 22	14 32.39	−15 20.1	1.901	2.747	13.2	20.9
4 1	14 26.45	−15 13.0	1.822	2.746	9.8	20.6
4 11	14 18.43	−14 56.0	1.768	2.745	5.8	20.4
4 21	14 9.09	−14 30.9	1.741	2.744	1.5	20.1
5 1	13 59.41	−14 1.5	1.741	2.742	3.1	20.2
5 11	13 50.48	−13 32.4	1.769	2.740	7.3	20.5
5 21	13 43.15	−13 8.2	1.823	2.737	11.2	20.7
5 31	13 38.03	−12 52.8	1.899	2.735	14.5	20.9

3885 Bogorodskij 4 23.8 281°.39 2°.8/21.4 18

3 22	14 27.89	− 7 29.9	1.882	2.750	12.3	17.1
4 1	14 23.13	− 6 39.4	1.806	2.743	8.9	16.9
4 11	14 16.49	− 5 43.7	1.754	2.736	5.3	16.6
4 21	14 8.65	− 4 47.8	1.729	2.728	2.8	16.5
5 1	14 0.52	− 3 57.5	1.731	2.721	5.1	16.6
5 11	13 53.06	− 3 18.4	1.760	2.713	8.8	16.8
5 21	13 47.06	− 2 54.0	1.814	2.706	12.4	17.0
5 31	13 43.08	− 2 46.3	1.887	2.699	15.5	17.2

300182 2006 WJ_{53} 4 23.8 191°.07 5°.3/16.7 18

3 22	14 26.06	+ 5 42.6	2.965	3.820	8.7	21.4
4 1	14 21.15	+ 6 51.8	2.902	3.818	6.9	21.2
4 11	14 15.07	+ 7 56.5	2.866	3.816	5.5	21.1
4 21	14 8.31	+ 8 52.4	2.858	3.813	5.4	21.1
5 1	14 1.41	+ 9 35.4	2.878	3.810	6.6	21.2
5 11	13 54.97	+10 3.0	2.926	3.806	8.5	21.3
5 21	13 49.46	+10 14.2	2.997	3.802	10.4	21.4
5 31	13 45.25	+10 9.4	3.089	3.798	12.1	21.6

521260 2015 HL_{192} 4 23.8 280°.38 0°.1/23.7 16

3 22	14 26.02	−15 48.4	2.283	3.131	11.2	21.8
4 1	14 21.61	−14 59.1	2.187	3.113	8.3	21.5
4 11	14 15.56	−13 58.1	2.116	3.094	4.8	21.3
4 21	14 8.45	−12 48.6	2.072	3.076	1.1	21.0
5 1	14 1.02	−11 35.7	2.057	3.057	2.8	21.1
5 11	13 54.10	−10 25.0	2.071	3.038	6.6	21.3
5 21	13 48.36	− 9 21.9	2.111	3.019	10.1	21.5
5 31	13 44.36	− 8 30.7	2.173	3.000	13.2	21.6

226764 2004 RM_{87} 4 23.8 260°.58 0°.5/24.2 17

3 22	14 29.60	−16 4.9	1.865	2.715	13.3	20.9
4 1	14 24.51	−15 42.2	1.780	2.706	9.8	20.7
4 11	14 17.37	−15 7.5	1.718	2.696	5.8	20.4
4 21	14 8.87	−14 23.6	1.683	2.687	1.5	20.1
5 1	13 59.99	−13 34.7	1.676	2.677	3.1	20.2
5 11	13 51.78	−12 46.8	1.696	2.667	7.5	20.4
5 21	13 45.13	−12 5.3	1.741	2.657	11.5	20.6
5 31	13 40.65	−11 34.7	1.807	2.647	14.9	20.8

93037 2000 RF_{104} 4 23.8 130°.84 4°.2/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.54	−28 15.7	2.084	2.882	14.0	19.3
4 1	14 24.99	−27 59.1	2.008	2.892	11.1	19.1
4 11	14 17.51	−27 22.7	1.954	2.901	8.0	18.9
4 21	14 8.87	−26 27.3	1.927	2.909	5.1	18.8
5 1	14 0.06	−25 16.5	1.927	2.918	4.4	18.7
5 11	13 52.06	−23 56.5	1.955	2.926	6.7	18.9
5 21	13 45.66	−22 34.6	2.010	2.934	9.8	19.1
5 31	13 41.39	−21 17.8	2.088	2.941	12.7	19.3

39523 1989 ST_2 4 23.8 223°.58 0°.1/23.9 16

3 22	14 35.63	−13 32.4	1.972	2.815	13.0	19.8
4 1	14 28.87	−13 30.3	1.881	2.803	9.6	19.5
4 11	14 19.91	−13 20.2	1.814	2.791	5.6	19.3
4 21	14 9.45	−13 3.6	1.775	2.779	1.3	18.9
5 1	13 58.51	−12 43.8	1.765	2.765	3.2	19.1
5 11	13 48.20	−12 24.8	1.784	2.751	7.6	19.3
5 21	13 39.46	−12 10.8	1.829	2.736	11.5	19.5
5 31	13 32.98	−12 5.4	1.896	2.720	15.0	19.7

303722 2005 QO_{16} 4 23.8 334°.22 6°.8/27.7 16

3 22	14 31.58	−27 45.7	1.722	2.534	15.9	20.0
4 1	14 26.57	−28 53.7	1.631	2.517	13.1	19.7
4 11	14 18.90	−29 45.4	1.561	2.502	10.0	19.5
4 21	14 9.28	−30 17.1	1.515	2.487	7.4	19.3
5 1	13 58.86	−30 27.4	1.493	2.474	7.0	19.3
5 11	13 49.03	−30 18.8	1.497	2.461	9.1	19.3
5 21	13 41.02	−29 56.9	1.525	2.448	12.3	19.5
5 31	13 35.74	−29 29.1	1.574	2.437	15.6	19.7

16668 1993 XN_1 4 23.8 303°.92 10°.3/15.9 18

3 22	14 31.27	+11 31.0	1.602	2.464	14.5	17.2
4 1	14 25.91	+12 39.9	1.537	2.449	12.1	17.0
4 11	14 18.24	+13 35.7	1.494	2.433	10.6	16.9
4 21	14 9.08	+14 9.6	1.475	2.418	10.6	16.8
5 1	13 59.54	+14 14.8	1.480	2.403	12.3	16.9
5 11	13 50.83	+13 48.7	1.506	2.388	14.9	17.0
5 21	13 43.91	+12 52.7	1.553	2.374	17.7	17.2
5 31	13 39.43	+11 31.0	1.617	2.360	20.3	17.3

472223 2014 FV_{45} 4 23.8 45°.26 5°.1/18.9 17

3 22	14 26.90	+ 1 9.1	2.155	3.023	11.0	21.3
4 1	14 22.10	+ 2 4.3	2.096	3.027	8.3	21.1
4 11	14 15.75	+ 2 56.6	2.062	3.031	5.9	20.9
4 21	14 8.49	+ 3 40.7	2.056	3.035	5.2	20.9
5 1	14 1.09	+ 4 11.7	2.076	3.039	6.8	21.0
5 11	13 54.34	+ 4 26.6	2.123	3.044	9.4	21.2
5 21	13 48.87	+ 4 24.1	2.194	3.048	12.0	21.4
5 31	13 45.13	+ 4 4.7	2.284	3.053	14.4	21.5

410739 2009 CN_{49} 4 23.8 10°.26 0°.9/24.3 17

3 22	14 32.94	−14 51.9	1.299	2.166	16.9	21.0
4 1	14 27.61	−15 3.0	1.233	2.166	12.5	20.8
4 11	14 19.42	−15 2.4	1.187	2.167	7.5	20.5
4 21	14 9.37	−14 52.0	1.166	2.169	2.1	20.2
5 1	13 58.86	−14 35.5	1.169	2.171	3.9	20.3
5 11	13 49.42	−14 18.8	1.197	2.173	9.2	20.6
5 21	13 42.24	−14 7.6	1.248	2.176	14.1	20.9
5 31	13 38.06	−14 6.4	1.317	2.179	18.1	21.1

338610 2003 ST_{198} 4 23.8 212°.26 0°.3/24.1 18

3 22	14 27.90	−17 15.5	2.437	3.274	11.0	21.1
4 1	14 22.81	−16 22.6	2.348	3.268	8.1	20.9
4 11	14 16.18	−15 17.8	2.285	3.261	4.8	20.7
4 21	14 8.60	−14 4.4	2.250	3.253	1.2	20.4
5 1	14 0.79	−12 47.1	2.245	3.245	2.6	20.5
5 11	13 53.54	−11 31.4	2.269	3.237	6.1	20.7
5 21	13 47.49	−10 22.7	2.321	3.228	9.4	20.9
5 31	13 43.10	− 9 25.1	2.396	3.218	12.3	21.1

370913 2005 JG_{86} 4 23.8 291°.35 1°.9/22.6 17

3 22	14 30.68	−10 2.6	1.531	2.401	14.5	21.2
4 1	14 25.77	− 9 34.1	1.443	2.381	10.7	21.0
4 11	14 18.34	− 8 57.1	1.378	2.361	6.2	20.6
4 21	14 9.14	− 8 16.0	1.337	2.340	2.1	20.3
5 1	13 59.33	− 7 36.7	1.323	2.320	4.8	20.4
5 11	13 50.20	− 7 5.7	1.335	2.300	9.8	20.7
5 21	13 42.86	− 6 48.0	1.369	2.280	14.4	20.9
5 31	13 38.12	− 6 46.9	1.423	2.260	18.4	21.1

410440 2008 CX_6 4 23.8 81°.45 1°.8/22.6 17

3 22	14 32.30	−10 25.7	1.523	2.390	14.8	21.2
4 1	14 26.50	− 9 51.6	1.469	2.406	10.7	21.0
4 11	14 18.45	− 9 10.0	1.439	2.421	6.1	20.8
4 21	14 9.10	− 8 26.0	1.434	2.437	2.0	20.6
5 1	13 59.64	− 7 45.4	1.456	2.452	4.5	20.8
5 11	13 51.25	− 7 14.1	1.504	2.468	9.0	21.1
5 21	13 44.80	− 6 55.9	1.575	2.483	13.0	21.3
5 31	13 40.82	− 6 52.9	1.667	2.498	16.4	21.6

352002 2006 UH_{227} 4 23.8 120°.22 1°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.06	− 9 20.6	2.569	3.424	9.9	21.5
4 1	14 21.98	− 8 37.8	2.505	3.436	7.1	21.3
4 11	14 15.59	− 7 50.8	2.468	3.449	4.1	21.1
4 21	14 8.45	− 7 2.8	2.459	3.461	1.7	21.0
5 1	14 1.21	− 6 18.0	2.480	3.472	3.4	21.1
5 11	13 54.56	− 5 40.1	2.529	3.484	6.4	21.3
5 21	13 49.01	− 5 11.7	2.605	3.495	9.2	21.5
5 31	13 44.98	− 4 54.8	2.703	3.505	11.6	21.7

387463 2013 XH_{1} 4 23.8 103°.01 5°.0/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.62	−29 28.9	2.161	2.951	13.8	20.2
4 1	14 25.07	−29 38.1	2.086	2.961	11.2	20.0
4 11	14 17.59	−29 28.7	2.033	2.970	8.3	19.9
4 21	14 8.92	−29 0.3	2.006	2.980	5.8	19.7
5 1	14 0.02	−28 15.1	2.006	2.990	5.1	19.7
5 11	13 51.90	−27 18.1	2.033	2.999	6.9	19.8
5 21	13 45.33	−26 15.5	2.086	3.008	9.6	20.0
5 31	13 40.86	−25 13.9	2.163	3.017	12.3	20.2

321141 2008 UD_{176} 4 23.8 106°.70 0°.8/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.58	−16 47.7	1.969	2.815	12.9	21.2
4 1	14 24.31	−16 31.1	1.897	2.819	9.5	21.0
4 11	14 17.16	−16 3.4	1.848	2.824	5.7	20.7
4 21	14 8.84	−15 26.8	1.825	2.828	1.7	20.5
5 1	14 0.30	−14 45.3	1.831	2.832	2.9	20.6
5 11	13 52.49	−14 4.2	1.865	2.837	6.8	20.8
5 21	13 46.18	−13 28.1	1.923	2.841	10.5	21.1
5 31	13 41.93	−13 1.2	2.005	2.845	13.6	21.3

171958 2001 TJ_{31} 4 23.8 109°.68 3°.4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.37	−26 2.6	2.372	3.176	12.3	20.3
4 1	14 23.23	−25 52.8	2.295	3.185	9.6	20.2
4 11	14 16.45	−25 27.5	2.242	3.193	6.7	20.0
4 21	14 8.67	−24 47.4	2.215	3.201	4.1	19.8
5 1	14 0.73	−23 55.4	2.216	3.209	3.7	19.8
5 11	13 53.44	−22 56.3	2.245	3.217	5.9	20.0
5 21	13 47.49	−21 55.6	2.302	3.224	8.8	20.1
5 31	13 43.35	−20 58.6	2.382	3.232	11.4	20.3

42323 2001 XQ_{55} 4 23.8 173°.61 0°.9/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.32	−11 19.7	2.734	3.583	9.6	20.8
4 1	14 22.19	−10 47.0	2.657	3.585	6.9	20.6
4 11	14 15.74	−10 8.9	2.607	3.587	3.9	20.4
4 21	14 8.51	− 9 28.1	2.585	3.588	1.1	20.2
5 1	14 1.13	− 8 48.1	2.593	3.589	2.8	20.3
5 11	13 54.25	− 8 12.4	2.630	3.590	5.9	20.5
5 21	13 48.40	− 7 44.0	2.694	3.591	8.7	20.7
5 31	13 44.02	− 7 25.0	2.782	3.591	11.1	20.9

382233 2012 RY_{28} 4 23.8 231°.27 0°.3/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.13	−15 4.6	2.155	3.000	11.9	21.6
4 1	14 24.67	−14 50.9	2.069	2.992	8.8	21.4
4 11	14 17.38	−14 28.2	2.008	2.985	5.2	21.1
4 21	14 8.92	−13 58.4	1.974	2.977	1.3	20.8
5 1	14 0.13	−13 25.0	1.969	2.969	2.8	20.9
5 11	13 51.94	−12 52.5	1.992	2.961	6.7	21.2
5 21	13 45.10	−12 24.9	2.041	2.953	10.3	21.4
5 31	13 40.18	−12 5.8	2.112	2.944	13.4	21.5

188305 2003 EU_{51} 4 23.8 117°.10 0°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.51	−15 15.2	1.882	2.734	13.1	20.4
4 1	14 24.18	−14 8.4	1.819	2.747	9.5	20.2
4 11	14 17.02	−12 49.3	1.780	2.760	5.4	20.0
4 21	14 8.81	−11 23.2	1.768	2.772	1.2	19.7
5 1	14 0.50	− 9 56.9	1.786	2.784	3.4	19.9
5 11	13 53.04	− 8 37.7	1.831	2.796	7.6	20.2
5 21	13 47.15	− 7 31.3	1.902	2.807	11.2	20.4
5 31	13 43.32	− 6 41.3	1.995	2.818	14.3	20.7

264547 2001 SX_{174} 4 23.8 152°.67 1°.6/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.29	− 9 45.7	2.203	3.056	11.4	21.4
4 1	14 25.27	− 9 9.7	2.135	3.065	8.2	21.3
4 11	14 17.60	− 8 28.3	2.093	3.073	4.7	21.0
4 21	14 8.95	− 7 45.1	2.079	3.081	1.7	20.8
5 1	14 0.15	− 7 4.7	2.094	3.088	3.7	21.0
5 11	13 52.05	− 6 31.1	2.138	3.095	7.2	21.2
5 21	13 45.32	− 6 7.7	2.207	3.100	10.4	21.4
5 31	13 40.45	− 5 56.4	2.300	3.106	13.2	21.6

20056 1993 FU_{64} 4 23.8 212°.89 1°.5/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.50	−19 25.8	2.118	2.952	12.5	19.6
4 1	14 24.24	−19 4.3	2.033	2.948	9.4	19.4
4 11	14 17.14	−18 29.7	1.972	2.943	5.9	19.2
4 21	14 8.87	−17 43.7	1.938	2.939	2.3	18.9
5 1	14 0.30	−16 50.4	1.933	2.934	2.8	19.0
5 11	13 52.38	−15 54.9	1.956	2.928	6.5	19.2
5 21	13 45.87	−15 2.9	2.004	2.923	10.1	19.4
5 31	13 41.32	−14 19.2	2.076	2.917	13.2	19.6

97170 1999 VP_{194} 4 23.8 216°.76 4°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.73	− 0 46.5	2.590	3.448	9.7	20.6
4 1	14 23.30	+ 0 12.8	2.510	3.438	7.2	20.4
4 11	14 16.45	+ 1 11.8	2.458	3.428	5.0	20.2
4 21	14 8.70	+ 2 6.0	2.434	3.416	4.2	20.2
5 1	14 0.73	+ 2 50.8	2.439	3.405	5.7	20.3
5 11	13 53.25	+ 3 22.6	2.472	3.392	8.3	20.4
5 21	13 46.84	+ 3 39.4	2.530	3.379	10.8	20.5
5 31	13 41.98	+ 3 40.5	2.610	3.365	13.1	20.7

299428 2005 YO_{290} 4 23.8 62°.96 3°.3/21.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.52	− 8 9.5	1.271	2.151	16.2	20.8
4 1	14 26.31	− 7 16.9	1.219	2.162	11.7	20.5
4 11	14 18.51	− 6 17.7	1.189	2.172	6.8	20.3
4 21	14 9.18	− 5 19.0	1.183	2.183	3.4	20.1
5 1	13 59.68	− 4 29.0	1.202	2.194	6.1	20.3
5 11	13 51.38	− 3 54.6	1.245	2.206	10.8	20.6
5 21	13 45.26	− 3 39.6	1.310	2.217	15.2	20.9
5 31	13 41.92	− 3 44.9	1.394	2.228	18.8	21.1

96999 1999 TB_{230} 4 23.8 123°.65 2°.0/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.48	−21 35.2	2.142	2.968	12.7	20.1
4 1	14 24.09	−21 6.1	2.070	2.979	9.6	19.9
4 11	14 16.97	−20 22.3	2.023	2.990	6.1	19.7
4 21	14 8.82	−19 26.1	2.002	3.000	2.7	19.5
5 1	14 0.52	−18 21.8	2.010	3.010	2.9	19.5
5 11	13 52.97	−17 15.2	2.047	3.020	6.2	19.7
5 21	13 46.87	−16 12.1	2.110	3.029	9.6	20.0
5 31	13 42.71	−15 17.4	2.196	3.038	12.5	20.2

349375 2007 VY_{309} 4 23.8 148°.33 1°.5/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.69	− 9 42.9	2.471	3.326	10.3	21.7
4 1	14 22.57	− 9 9.3	2.400	3.331	7.4	21.5
4 11	14 16.01	− 8 30.9	2.355	3.335	4.2	21.4
4 21	14 8.61	− 7 51.1	2.338	3.340	1.5	21.2
5 1	14 1.05	− 7 13.6	2.350	3.344	3.3	21.3
5 11	13 54.07	− 6 42.1	2.391	3.348	6.5	21.5
5 21	13 48.23	− 6 19.5	2.457	3.352	9.5	21.7
5 31	13 43.99	− 6 7.7	2.547	3.355	12.0	21.9

474994 2005 TZ_{130} 4 23.8 222°.58 0°.9/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.31	−11 32.5	2.831	3.680	9.3	22.3
4 1	14 21.49	−10 54.8	2.744	3.672	6.7	22.1
4 11	14 15.38	−10 11.3	2.683	3.663	3.8	21.9
4 21	14 8.48	− 9 24.6	2.651	3.654	1.1	21.7
5 1	14 1.37	− 8 38.5	2.648	3.645	2.8	21.8
5 11	13 54.69	− 7 56.4	2.675	3.635	5.8	22.0
5 21	13 48.99	− 7 21.7	2.729	3.625	8.6	22.2
5 31	13 44.67	− 6 56.6	2.807	3.614	11.0	22.3

299341 2005 SK_{18} 4 23.8 29°.10 2°.0/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.50	−19 29.9	2.287	3.117	11.8	21.0
4 1	14 24.13	−19 38.7	2.207	3.118	9.0	20.8
4 11	14 17.04	−19 37.0	2.151	3.119	5.7	20.6
4 21	14 8.86	−19 25.3	2.122	3.120	2.6	20.4
5 1	14 0.41	−19 6.1	2.122	3.121	2.9	20.4
5 11	13 52.55	−18 42.7	2.150	3.122	6.0	20.6
5 21	13 46.01	−18 19.4	2.204	3.124	9.2	20.8
5 31	13 41.31	−17 59.9	2.282	3.125	12.1	21.0

110463 2001 TE_{50} 4 23.8 169°.55 0°.2/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.41	−12 40.9	2.178	3.020	11.9	20.5
4 1	14 27.67	−12 40.4	2.101	3.024	8.7	20.3
4 11	14 19.07	−12 33.4	2.049	3.027	5.1	20.1
4 21	14 9.32	−12 21.7	2.026	3.030	1.1	19.8
5 1	13 59.31	−12 8.1	2.033	3.032	2.9	20.0
5 11	13 49.99	−11 56.1	2.068	3.034	6.8	20.2
5 21	13 42.11	−11 48.9	2.130	3.035	10.2	20.4
5 31	13 36.25	−11 49.0	2.216	3.036	13.2	20.6

208199 2000 RF_{37} 4 23.9 219°.55 12°.1/30.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 45.29	−41 59.6	1.917	2.622	18.1	20.7
4 1	14 37.28	−43 49.8	1.826	2.614	16.2	20.6
4 11	14 25.56	−45 16.9	1.755	2.606	14.2	20.4
4 21	14 10.95	−46 12.3	1.706	2.598	12.7	20.3
5 1	13 54.98	−46 30.5	1.681	2.588	12.1	20.2
5 11	13 39.66	−46 12.3	1.680	2.578	12.7	20.2
5 21	13 26.75	−45 24.7	1.701	2.568	14.4	20.3
5 31	13 17.49	−44 19.0	1.744	2.557	16.5	20.4

56004 1998 SO_{161} 4 23.9 150°.04 0°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 36.44	−15 37.1	1.565	2.414	15.4	20.0
4 1	14 29.76	−15 40.5	1.496	2.421	11.4	19.8
4 11	14 20.53	−15 32.4	1.450	2.426	6.8	19.5
4 21	14 9.67	−15 14.5	1.429	2.432	2.0	19.2
5 1	13 58.48	−14 50.5	1.436	2.437	3.5	19.4
5 11	13 48.28	−14 25.9	1.469	2.441	8.3	19.6
5 21	13 40.14	−14 5.9	1.527	2.445	12.7	19.9
5 31	13 34.72	−13 55.2	1.606	2.448	16.4	20.2

37035 2000 UQ_{10} 4 23.9 266°.68 0°.4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.54	−15 57.1	2.448	3.289	10.8	19.5
4 1	14 22.66	−15 35.3	2.351	3.273	8.0	19.3
4 11	14 16.20	−15 4.2	2.280	3.256	4.8	19.1
4 21	14 8.69	−14 25.8	2.236	3.240	1.3	18.8
5 1	14 0.86	−13 43.4	2.222	3.223	2.5	18.8
5 11	13 53.50	−13 1.4	2.236	3.205	6.1	19.1
5 21	13 47.26	−12 23.7	2.276	3.188	9.4	19.2
5 31	13 42.69	−11 54.1	2.340	3.170	12.3	19.4

415523 2014 QC_{32} 4 23.9 236°.92 6°.4/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.94	+ 1 24.0	1.705	2.572	13.4	20.7
4 1	14 27.06	+ 2 29.1	1.630	2.560	10.3	20.5
4 11	14 18.92	+ 3 32.0	1.580	2.548	7.4	20.3
4 21	14 9.32	+ 4 25.3	1.555	2.535	6.5	20.2
5 1	13 59.33	+ 5 1.9	1.558	2.521	8.5	20.3
5 11	13 50.08	+ 5 17.0	1.585	2.507	11.9	20.4
5 21	13 42.54	+ 5 9.0	1.635	2.492	15.3	20.6
5 31	13 37.35	+ 4 38.8	1.703	2.476	18.4	20.8

376551 2013 NP_{3} 4 23.9 236°.48 4°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.97	− 2 43.7	1.951	2.816	12.1	21.3
4 1	14 25.40	− 1 46.1	1.870	2.803	9.0	21.1
4 11	14 17.87	− 0 46.9	1.815	2.790	5.9	20.9
4 21	14 9.08	+ 0 8.1	1.787	2.776	4.5	20.8
5 1	13 59.94	+ 0 52.8	1.786	2.762	6.5	20.9
5 11	13 51.43	+ 1 22.4	1.813	2.747	9.8	21.0
5 21	13 44.38	+ 1 34.1	1.863	2.732	13.2	21.2
5 31	13 39.37	+ 1 27.1	1.933	2.716	16.2	21.4

175991 2000 QN_{131} 4 23.9 122°.00 6°.0/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 35.42	−34 23.1	2.824	3.562	12.1	20.1
4 1	14 28.35	−35 11.5	2.747	3.577	10.2	20.0
4 11	14 19.47	−35 43.6	2.693	3.591	8.2	19.9
4 21	14 9.43	−35 57.7	2.665	3.604	6.6	19.8
5 1	13 59.08	−35 53.5	2.665	3.618	6.0	19.8
5 11	13 49.33	−35 33.6	2.693	3.631	6.9	19.9
5 21	13 40.94	−35 2.2	2.748	3.643	8.6	20.0
5 31	13 34.47	−34 24.8	2.827	3.655	10.4	20.1

142365 2002 RT_{228} 4 23.9 267°.47 4°.4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.74	− 3 45.6	1.654	2.525	13.6	20.1
4 1	14 26.29	− 3 1.7	1.574	2.510	10.1	19.8
4 11	14 18.54	− 2 15.8	1.517	2.496	6.4	19.6
4 21	14 9.25	− 1 33.6	1.486	2.480	4.4	19.4
5 1	13 59.50	− 1 1.6	1.482	2.465	6.6	19.5
5 11	13 50.46	− 0 44.9	1.503	2.449	10.6	19.7
5 21	13 43.12	− 0 46.5	1.548	2.434	14.5	19.9
5 31	13 38.17	− 1 7.0	1.611	2.418	17.9	20.1

233675 2008 RR_{65} 4 23.9 216°.93 1°.8/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.30	− 9 17.7	2.385	3.239	10.6	21.6
4 1	14 23.87	− 8 35.0	2.300	3.230	7.7	21.4
4 11	14 16.85	− 7 46.7	2.241	3.221	4.4	21.2
4 21	14 8.84	− 6 56.5	2.210	3.212	1.8	21.0
5 1	14 0.56	− 6 8.8	2.209	3.201	3.8	21.1
5 11	13 52.82	− 5 28.1	2.236	3.191	7.1	21.3
5 21	13 46.26	− 4 57.6	2.290	3.179	10.3	21.5
5 31	13 41.40	− 4 39.8	2.366	3.167	13.0	21.6

144227 2004 CU_{41} 4 23.9 96°.57 3°.9/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.43	−26 6.1	2.177	2.984	13.2	19.8
4 1	14 24.20	−26 8.6	2.099	2.990	10.4	19.7
4 11	14 17.12	−25 54.6	2.044	2.995	7.3	19.5
4 21	14 8.90	−25 24.6	2.015	3.001	4.6	19.3
5 1	14 0.43	−24 41.1	2.014	3.006	4.1	19.3
5 11	13 52.67	−23 48.9	2.040	3.011	6.4	19.4
5 21	13 46.36	−22 53.7	2.092	3.016	9.4	19.6
5 31	13 42.04	−22 1.4	2.168	3.022	12.3	19.8

426679 2013 TM_{19} 4 23.9 120°.30 2°.5/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.52	−11 42.5	1.834	2.698	12.8	20.8
4 1	14 22.82	− 9 54.4	1.767	2.703	9.2	20.6
4 11	14 16.30	− 7 54.8	1.726	2.708	5.2	20.4
4 21	14 8.70	− 5 51.5	1.712	2.713	2.5	20.2
5 1	14 0.97	− 3 53.8	1.728	2.718	5.1	20.4
5 11	13 54.03	− 2 10.3	1.772	2.722	8.9	20.6
5 21	13 48.60	− 0 46.9	1.841	2.727	12.5	20.8
5 31	13 45.19	+ 0 13.3	1.931	2.731	15.6	21.1

503939 2003 TR_{36} 4 23.9 230°.31 1°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.25	−19 14.2	2.130	2.966	12.4	22.1
4 1	14 24.09	−18 57.1	2.044	2.960	9.3	21.9
4 11	14 17.09	−18 27.2	1.982	2.954	5.8	21.7
4 21	14 8.91	−17 46.4	1.947	2.948	2.3	21.5
5 1	14 0.42	−16 58.2	1.940	2.941	2.8	21.5
5 11	13 52.55	−16 7.7	1.962	2.935	6.5	21.7
5 21	13 46.07	−15 20.2	2.009	2.928	10.0	21.9
5 31	13 41.54	−14 40.4	2.079	2.921	13.2	22.1

470505 2008 CL_{90} 4 23.9 33°.68 13°.1/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.81	+25 32.9	1.994	2.806	14.0	20.2
4 1	14 22.23	+27 26.6	1.975	2.814	13.2	20.2
4 11	14 15.91	+28 56.3	1.979	2.823	13.1	20.2
4 21	14 8.61	+29 55.2	2.003	2.832	13.7	20.3
5 1	14 1.26	+30 19.3	2.048	2.841	14.8	20.4
5 11	13 54.75	+30 8.9	2.111	2.851	16.1	20.5
5 21	13 49.76	+29 27.2	2.189	2.861	17.4	20.6
5 31	13 46.71	+28 19.1	2.281	2.871	18.5	20.7

22940 Chyan 4 23.9 312°.74 2°.1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.00	− 9 45.5	1.340	2.218	15.7	18.6
4 1	14 25.54	− 9 20.3	1.260	2.202	11.5	18.3
4 11	14 18.34	− 8 46.7	1.202	2.186	6.7	18.0
4 21	14 9.25	− 8 9.4	1.167	2.170	2.3	17.7
5 1	13 59.54	− 7 35.0	1.158	2.155	5.2	17.8
5 11	13 50.63	− 7 10.0	1.172	2.140	10.4	18.1
5 21	13 43.74	− 6 59.8	1.209	2.126	15.3	18.3
5 31	13 39.69	− 7 7.3	1.264	2.113	19.5	18.5

409163 2003 US_{203} 4 23.9 161°.40 0°.4/24.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.82	−15 54.5	1.945	2.788	13.1	22.5
4 1	14 26.69	−15 28.4	1.872	2.794	9.6	22.3
4 11	14 18.57	−14 51.2	1.823	2.800	5.7	22.1
4 21	14 9.24	−14 5.5	1.801	2.805	1.4	21.8
5 1	13 59.68	−13 16.0	1.808	2.809	3.0	21.9
5 11	13 50.93	−12 28.2	1.844	2.813	7.2	22.2
5 21	13 43.77	−11 47.2	1.905	2.816	10.9	22.4
5 31	13 38.77	−11 17.1	1.988	2.818	14.1	22.6

190060 2004 RA_{307} 4 23.9 232°.42 3°.1/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.98	− 4 5.5	2.434	3.290	10.4	20.7
4 1	14 25.10	− 3 28.7	2.345	3.275	7.6	20.5
4 11	14 17.59	− 2 50.3	2.283	3.259	4.8	20.3
4 21	14 9.03	− 2 14.2	2.249	3.243	3.1	20.1
5 1	14 0.16	− 1 44.6	2.244	3.226	4.8	20.2
5 11	13 51.78	− 1 25.0	2.268	3.208	7.8	20.4
5 21	13 44.57	− 1 17.7	2.318	3.190	10.8	20.5
5 31	13 39.05	− 1 23.8	2.390	3.171	13.5	20.7

328841 2009 WY_{71} 4 23.9 66°.14 0°.4/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 24.57	−13 11.3	2.902	3.749	9.1	21.4
4 1	14 20.12	−12 40.1	2.840	3.766	6.6	21.2
4 11	14 14.53	−12 3.1	2.804	3.783	3.7	21.1
4 21	14 8.31	−11 23.0	2.796	3.800	0.8	20.9
5 1	14 2.02	−10 42.9	2.819	3.817	2.3	21.0
5 11	13 56.22	−10 6.1	2.870	3.835	5.2	21.2
5 21	13 51.39	− 9 35.3	2.948	3.852	7.8	21.4
5 31	13 47.87	− 9 12.7	3.050	3.869	10.0	21.6

296839 2009 WF_{77} 4 23.9 237°.45 0°.4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.85	−15 11.8	2.069	2.913	12.4	21.1
4 1	14 26.07	−15 2.3	1.979	2.901	9.2	20.9
4 11	14 18.30	−14 43.2	1.913	2.889	5.5	20.7
4 21	14 9.21	−14 16.6	1.874	2.877	1.4	20.4
5 1	13 59.71	−13 45.7	1.864	2.864	2.9	20.4
5 11	13 50.81	−13 14.9	1.882	2.851	7.0	20.7
5 21	13 43.32	−12 48.8	1.925	2.837	10.8	20.9
5 31	13 37.90	−12 31.2	1.992	2.823	14.1	21.1

153664 2001 TN_{152} 4 23.9 105°.69 2°.2/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.50	− 8 49.6	1.929	2.788	12.5	20.8
4 1	14 25.53	− 8 6.2	1.874	2.807	9.0	20.6
4 11	14 17.79	− 7 17.8	1.845	2.826	5.2	20.4
4 21	14 9.05	− 6 29.2	1.843	2.844	2.2	20.3
5 1	14 0.25	− 5 45.5	1.870	2.862	4.3	20.4
5 11	13 52.32	− 5 11.2	1.924	2.879	8.0	20.7
5 21	13 45.95	− 4 49.6	2.003	2.896	11.3	20.9
5 31	13 41.60	− 4 42.2	2.104	2.913	14.2	21.1

125498 2001 WU_{30} 4 23.9 290°.49 5°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.37	+ 0 46.9	1.651	2.519	13.8	19.9
4 1	14 27.55	+ 1 15.9	1.568	2.500	10.4	19.6
4 11	14 19.32	+ 1 41.3	1.509	2.481	7.2	19.4
4 21	14 9.47	+ 1 57.2	1.476	2.462	5.8	19.3
5 1	13 59.08	+ 1 58.1	1.469	2.443	7.7	19.3
5 11	13 49.39	+ 1 40.4	1.487	2.425	11.4	19.5
5 21	13 41.43	+ 1 3.3	1.528	2.406	15.1	19.7
5 31	13 35.93	+ 0 7.7	1.589	2.387	18.5	19.8

57531 2001 SL_{346} 4 23.9 51°.35 3°.8/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.24	−27 5.3	1.852	2.667	14.8	17.9
4 1	14 23.38	−26 33.4	1.794	2.690	11.6	17.7
4 11	14 16.61	−25 40.7	1.759	2.713	8.0	17.6
4 21	14 8.79	−24 29.6	1.749	2.737	4.7	17.4
5 1	14 0.92	−23 5.4	1.766	2.761	4.0	17.4
5 11	13 54.02	−21 35.7	1.810	2.785	6.7	17.6
5 21	13 48.79	−20 8.4	1.880	2.809	10.0	17.9
5 31	13 45.70	−18 50.1	1.974	2.834	13.0	18.1

361077 2006 BO_{31} 4 23.9 96°.98 3°.8/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 34.15	− 6 10.7	1.435	2.307	15.2	21.2
4 1	14 27.91	− 5 19.6	1.387	2.325	11.0	21.0
4 11	14 19.32	− 4 25.1	1.362	2.342	6.6	20.8
4 21	14 9.40	− 3 34.0	1.362	2.360	3.8	20.7
5 1	13 59.43	− 2 53.0	1.388	2.376	6.2	20.9
5 11	13 50.63	− 2 27.6	1.440	2.393	10.4	21.1
5 21	13 43.90	− 2 20.4	1.515	2.409	14.3	21.4
5 31	13 39.78	− 2 31.6	1.609	2.424	17.6	21.7

370102 2001 TZ_{88} 4 23.9 220°.37 3°.5/26.1 17

3 22	14 34.84	−21 32.6	1.842	2.668	14.5	20.9
4 1	14 28.55	−22 3.7	1.759	2.665	11.2	20.6
4 11	14 19.87	−22 21.3	1.699	2.661	7.5	20.4
4 21	14 9.59	−22 24.6	1.664	2.658	4.2	20.2
5 1	13 58.81	−22 14.8	1.658	2.654	4.1	20.2
5 11	13 48.76	−21 56.0	1.678	2.650	7.5	20.4
5 21	13 40.46	−21 33.3	1.724	2.646	11.2	20.6
5 31	13 34.63	−21 12.5	1.793	2.642	14.6	20.8

19187 1991 VU_{2} 4 23.9 199°.84 4°.3/19.9 18

3 22	14 31.13	− 0 14.1	2.349	3.206	10.6	19.1
4 1	14 25.15	+ 0 26.7	2.275	3.202	7.9	18.9
4 11	14 17.58	+ 1 5.9	2.228	3.198	5.4	18.7
4 21	14 9.03	+ 1 38.9	2.209	3.193	4.3	18.6
5 1	14 0.26	+ 2 1.8	2.218	3.188	5.9	18.7
5 11	13 52.09	+ 2 11.3	2.256	3.182	8.6	18.9
5 21	13 45.16	+ 2 6.2	2.318	3.176	11.4	19.0
5 31	13 39.97	+ 1 46.4	2.402	3.168	13.8	19.2

377443 2004 TJ_{323} 4 23.9 212°.45 0°.8/24.6 17

3 22	14 28.69	−17 54.8	1.981	2.825	12.9	20.6
4 1	14 23.74	−17 21.0	1.901	2.823	9.6	20.4
4 11	14 16.90	−16 34.0	1.845	2.821	5.8	20.1
4 21	14 8.89	−15 36.6	1.816	2.818	1.8	19.9
5 1	14 0.61	−14 33.5	1.815	2.816	2.8	19.9
5 11	13 53.02	−13 31.0	1.841	2.813	6.9	20.2
5 21	13 46.90	−12 34.8	1.893	2.810	10.6	20.4
5 31	13 42.80	−11 49.7	1.968	2.807	13.9	20.6

128772 2004 RX_{194} 4 23.9 267°.79 5°.5/27.5 16

3 22	14 33.55	−26 48.7	1.566	2.385	16.9	20.0
4 1	14 28.22	−27 7.1	1.470	2.366	13.6	19.7
4 11	14 20.00	−27 3.8	1.395	2.347	9.9	19.4
4 21	14 9.67	−26 36.7	1.343	2.328	6.5	19.2
5 1	13 58.53	−25 46.8	1.316	2.308	5.8	19.1
5 11	13 48.10	−24 40.4	1.315	2.288	9.0	19.2
5 21	13 39.70	−23 26.6	1.338	2.267	13.2	19.4
5 31	13 34.27	−22 15.3	1.381	2.246	17.3	19.6

391694 2008 AD_{127} 4 23.9 70°.65 2°.6/21.6 17

3 22	14 28.35	− 6 17.8	2.157	3.020	11.2	21.3
4 1	14 23.18	− 5 45.7	2.096	3.030	8.1	21.1
4 11	14 16.43	− 5 11.3	2.060	3.040	4.8	20.9
4 21	14 8.76	− 4 38.6	2.051	3.050	2.6	20.8
5 1	14 0.97	− 4 11.5	2.071	3.060	4.4	20.9
5 11	13 53.85	− 3 53.8	2.119	3.070	7.6	21.1
5 21	13 48.05	− 3 47.5	2.191	3.080	10.7	21.3
5 31	13 44.03	− 3 53.7	2.285	3.091	13.3	21.5

467416 2005 SQ_{174} 4 23.9 72°.98 2°.2/25.6 17

3 22	14 30.39	−20 59.6	1.656	2.497	15.1	21.1
4 1	14 25.16	−20 36.4	1.593	2.510	11.4	20.9
4 11	14 17.76	−19 56.0	1.553	2.524	7.2	20.7
4 21	14 9.07	−19 1.0	1.539	2.538	3.1	20.5
5 1	14 0.23	−17 56.8	1.551	2.552	3.3	20.5
5 11	13 52.36	−16 50.7	1.590	2.566	7.4	20.8
5 21	13 46.32	−15 49.7	1.654	2.580	11.4	21.1
5 31	13 42.66	−14 59.5	1.739	2.594	14.8	21.3

501377 2013 YX_{53} 4 23.9 198°.66 2°.7/21.5 17

3 22	14 30.11	− 6 7.7	2.100	2.961	11.5	21.4
4 1	14 24.59	− 5 34.6	2.026	2.960	8.4	21.2
4 11	14 17.32	− 4 58.9	1.978	2.958	5.0	21.0
4 21	14 8.98	− 4 24.5	1.957	2.956	2.8	20.8
5 1	14 0.40	− 3 55.8	1.965	2.953	4.7	20.9
5 11	13 52.47	− 3 36.9	2.000	2.951	8.1	21.1
5 21	13 45.91	− 3 30.1	2.060	2.948	11.3	21.3
5 31	13 41.24	− 3 36.7	2.142	2.945	14.2	21.5

106657 2000 WK_{142} 4 23.9 143°.31 6°.2/16.7 18

3 22	14 28.85	+10 17.8	2.855	3.698	9.4	20.1
4 1	14 23.18	+11 4.6	2.805	3.707	7.6	20.0
4 11	14 16.29	+11 43.0	2.782	3.716	6.4	20.0
4 21	14 8.73	+12 9.2	2.785	3.725	6.4	20.0
5 1	14 1.10	+12 20.0	2.817	3.733	7.4	20.0
5 11	13 54.04	+12 14.2	2.874	3.741	9.1	20.2
5 21	13 48.02	+11 51.9	2.955	3.748	10.9	20.3
5 31	13 43.44	+11 14.6	3.057	3.755	12.5	20.4

300139 2006 VU_{58} 4 23.9 4°.15 1°.1/24.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.26	−17 15.5	2.063	2.907	12.4	20.7
4 1	14 23.37	−17 5.3	1.985	2.907	9.2	20.5
4 11	14 16.67	−16 44.3	1.932	2.907	5.6	20.3
4 21	14 8.85	−16 14.4	1.905	2.907	1.9	20.0
5 1	14 0.76	−15 39.1	1.907	2.908	2.7	20.1
5 11	13 53.32	−15 3.0	1.935	2.909	6.5	20.3
5 21	13 47.29	−14 30.7	1.990	2.909	10.1	20.6
5 31	13 43.19	−14 6.1	2.067	2.910	13.2	20.8

286141 2001 TR_{196} 4 23.9 195°.09 3°.8/19.8 18

3 22	14 28.73	− 0 2.7	2.790	3.645	9.2	21.1
4 1	14 23.20	+ 0 34.5	2.717	3.643	6.8	20.9
4 11	14 16.38	+ 1 9.9	2.670	3.640	4.7	20.7
4 21	14 8.76	+ 1 40.1	2.653	3.636	3.8	20.7
5 1	14 0.99	+ 2 1.6	2.664	3.632	5.2	20.8
5 11	13 53.70	+ 2 11.9	2.704	3.628	7.5	20.9
5 21	13 47.43	+ 2 9.7	2.770	3.623	9.9	21.0
5 31	13 42.60	+ 1 54.9	2.858	3.618	12.0	21.2

239423 2007 TJ_{124} 4 23.9 245°.60 0°.9/23.1 18

3 22	14 28.82	−11 44.6	2.151	3.006	11.6	21.2
4 1	14 23.70	−11 19.2	2.070	3.000	8.4	20.9
4 11	14 16.85	−10 46.8	2.014	2.994	4.8	20.7
4 21	14 8.89	−10 10.6	1.984	2.988	1.2	20.4
5 1	14 0.66	− 9 34.4	1.984	2.982	3.3	20.6
5 11	13 53.03	− 9 2.7	2.011	2.976	7.0	20.8
5 21	13 46.70	− 8 39.3	2.064	2.969	10.5	21.0
5 31	13 42.23	− 8 26.8	2.139	2.962	13.5	21.2

14084 1997 GX_{23} 4 23.9 274°.65 3°.0/21.9 18

3 22	14 33.26	− 6 15.7	1.729	2.593	13.4	18.3
4 1	14 27.48	− 5 52.6	1.637	2.571	9.9	18.1
4 11	14 19.32	− 5 26.2	1.568	2.549	6.0	17.8
4 21	14 9.51	− 5 0.6	1.526	2.526	3.0	17.5
5 1	13 59.08	− 4 40.8	1.512	2.503	5.4	17.6
5 11	13 49.26	− 4 31.7	1.524	2.480	9.6	17.8
5 21	13 41.06	− 4 36.3	1.560	2.456	13.8	18.0
5 31	13 35.27	− 4 56.4	1.616	2.432	17.5	18.2

508227 2015 GN_{51} 4 23.9 159°.88 2°.5/21.4 18

3 22	14 29.07	− 5 43.7	2.578	3.433	9.9	21.4
4 1	14 23.51	− 5 8.9	2.509	3.439	7.1	21.2
4 11	14 16.57	− 4 32.2	2.466	3.444	4.3	21.0
4 21	14 8.81	− 3 57.1	2.452	3.449	2.5	20.9
5 1	14 0.92	− 3 27.1	2.468	3.454	4.1	21.0
5 11	13 53.58	− 3 5.6	2.512	3.458	6.9	21.2
5 21	13 47.37	− 2 54.4	2.582	3.461	9.6	21.4
5 31	13 42.71	− 2 54.9	2.676	3.464	12.0	21.6

171010 2005 ER_{32} 4 23.9 159°.96 1°.0/24.6 18

3 22	14 34.51	−17 5.6	2.004	2.839	13.1	21.0
4 1	14 27.90	−16 53.6	1.930	2.847	9.7	20.8
4 11	14 19.29	−16 30.2	1.880	2.854	5.9	20.6
4 21	14 9.45	−15 57.5	1.858	2.860	1.9	20.4
5 1	13 59.37	−15 19.0	1.865	2.866	2.9	20.4
5 11	13 50.09	−14 39.8	1.900	2.870	6.9	20.7
5 21	13 42.41	−14 4.9	1.962	2.874	10.6	20.9
5 31	13 36.92	−13 38.3	2.046	2.877	13.8	21.1

234373 2001 PP_{26} 4 23.9 300°.20 3°.3/25.5 16

3 22	14 32.57	−19 35.0	1.257	2.115	17.9	20.3
4 1	14 27.99	−19 57.9	1.166	2.092	13.8	19.9
4 11	14 20.13	−20 4.4	1.095	2.069	9.1	19.6
4 21	14 9.77	−19 53.4	1.046	2.045	4.3	19.2
5 1	13 58.34	−19 26.8	1.022	2.022	4.7	19.2
5 11	13 47.61	−18 51.0	1.021	2.000	10.0	19.4
5 21	13 39.14	−18 14.1	1.042	1.978	15.4	19.6
5 31	13 34.06	−17 44.8	1.081	1.956	20.3	19.8

300899 2008 BX_{30} 4 23.9 119°.57 2°.4/26.4 17

3 22	14 28.92	−22 34.5	2.559	3.373	11.2	21.3
4 1	14 23.52	−22 27.9	2.484	3.384	8.6	21.1
4 11	14 16.63	−22 9.2	2.435	3.395	5.7	20.9
4 21	14 8.84	−21 39.3	2.413	3.406	3.0	20.8
5 1	14 0.90	−21 1.0	2.419	3.417	2.9	20.8
5 11	13 53.55	−20 18.1	2.455	3.427	5.4	21.0
5 21	13 47.43	−19 35.0	2.518	3.437	8.3	21.2
5 31	13 42.98	−18 55.9	2.605	3.447	10.8	21.3

441351 2008 DR_{4} 4 23.9 351°.09 14°.7/ 1.7 16

3 22	14 37.60	−44 10.5	1.696	2.410	19.8	19.9
4 1	14 32.14	−46 37.6	1.616	2.400	18.1	19.7
4 11	14 22.86	−48 40.6	1.555	2.391	16.5	19.5
4 21	14 10.47	−50 9.8	1.513	2.383	15.2	19.4
5 1	13 56.49	−50 58.3	1.492	2.377	14.7	19.4
5 11	13 43.07	−51 5.8	1.491	2.372	15.1	19.4
5 21	13 32.19	−50 38.5	1.510	2.369	16.3	19.4
5 31	13 25.28	−49 47.2	1.547	2.367	17.9	19.6

413019 2000 SB_{94} 4 23.9 212°.19 3°.2/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 33.10	−23 10.6	1.789	2.614	14.9	21.8
4 1	14 27.31	−23 0.5	1.703	2.608	11.5	21.5
4 11	14 19.16	−22 32.1	1.639	2.602	7.7	21.3
4 21	14 9.46	−21 46.1	1.601	2.595	4.0	21.1
5 1	13 59.33	−20 46.2	1.590	2.588	3.9	21.0
5 11	13 49.98	−19 39.0	1.606	2.580	7.5	21.2
5 21	13 42.41	−18 31.9	1.648	2.572	11.5	21.4
5 31	13 37.31	−17 32.3	1.712	2.563	15.1	21.6

216266 2006 WL_{60} 4 23.9 156°.51 1°.8/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.16	− 7 12.4	2.696	3.548	9.6	21.0
4 1	14 23.55	− 6 54.2	2.624	3.553	6.9	20.9
4 11	14 16.59	− 6 33.9	2.579	3.558	4.0	20.7
4 21	14 8.84	− 6 13.9	2.562	3.562	1.8	20.5
5 1	14 0.93	− 5 57.2	2.575	3.566	3.4	20.6
5 11	13 53.55	− 5 46.4	2.617	3.570	6.3	20.8
5 21	13 47.24	− 5 43.5	2.685	3.573	9.0	21.0
5 31	13 42.43	− 5 49.8	2.777	3.576	11.4	21.2

55475 2001 TO_{233} 4 23.9 255°.92 4°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.62	− 0 41.8	2.308	3.168	10.6	19.3
4 1	14 24.17	− 0 7.8	2.227	3.157	7.9	19.1
4 11	14 17.08	+ 0 24.9	2.172	3.145	5.3	18.9
4 21	14 8.97	+ 0 51.9	2.145	3.132	4.2	18.8
5 1	14 0.58	+ 1 9.3	2.146	3.120	5.8	18.9
5 11	13 52.72	+ 1 13.8	2.175	3.107	8.6	19.0
5 21	13 46.08	+ 1 4.2	2.229	3.094	11.5	19.2
5 31	13 41.16	+ 0 40.0	2.303	3.081	14.0	19.4

522620 2016 FG_{66} 4 23.9 303°.20 0°.2/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.21	−14 29.8	1.579	2.441	14.7	21.5
4 1	14 25.46	−14 20.9	1.491	2.423	10.9	21.2
4 11	14 18.23	−14 0.8	1.425	2.405	6.5	20.9
4 21	14 9.29	−13 31.9	1.383	2.387	1.6	20.5
5 1	13 59.74	−12 58.4	1.369	2.370	3.6	20.6
5 11	13 50.86	−12 26.3	1.379	2.353	8.6	20.8
5 21	13 43.75	−12 1.3	1.414	2.336	13.2	21.1
5 31	13 39.19	−11 47.9	1.468	2.320	17.2	21.3

501248 2013 VR_{18} 4 23.9 222°.86 1°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 39.62	− 8 24.5	2.248	3.086	11.8	21.8
4 1	14 31.60	− 8 43.6	2.154	3.076	8.6	21.6
4 11	14 21.50	− 9 0.8	2.087	3.065	5.0	21.4
4 21	14 10.00	− 9 17.3	2.050	3.053	1.4	21.1
5 1	13 58.04	− 9 34.8	2.044	3.041	3.4	21.2
5 11	13 46.64	− 9 55.2	2.068	3.028	7.2	21.4
5 21	13 36.68	−10 20.4	2.121	3.014	10.8	21.6
5 31	13 28.83	−10 51.8	2.198	3.000	13.9	21.8

32857 1992 UG_{6} 4 23.9 180°.25 1°.1/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.52	−10 33.8	2.588	3.432	10.2	19.6
4 1	14 25.34	−10 8.6	2.509	3.434	7.4	19.4
4 11	14 17.67	− 9 38.3	2.456	3.435	4.2	19.2
4 21	14 9.10	− 9 5.7	2.433	3.436	1.3	19.0
5 1	14 0.33	− 8 33.9	2.439	3.435	3.0	19.1
5 11	13 52.11	− 8 6.5	2.476	3.434	6.3	19.3
5 21	13 45.06	− 7 46.5	2.539	3.432	9.3	19.5
5 31	13 39.64	− 7 35.8	2.626	3.429	11.8	19.7

27240 1999 TR_{36} 4 23.9 31°.83 3°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.74	−11 0.9	1.362	2.242	15.3	17.4
4 1	14 22.79	− 9 13.3	1.303	2.247	11.0	17.1
4 11	14 16.51	− 7 12.6	1.267	2.252	6.3	16.9
4 21	14 8.85	− 5 8.7	1.257	2.257	3.3	16.7
5 1	14 0.99	− 3 13.4	1.273	2.263	6.3	16.9
5 11	13 54.15	− 1 37.3	1.314	2.269	10.9	17.2
5 21	13 49.21	− 0 26.8	1.377	2.275	15.1	17.4
5 31	13 46.75	+ 0 15.7	1.458	2.282	18.6	17.7

250456 2004 BZ_{11} 4 23.9 151°.92 1°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.26	− 9 39.2	1.964	2.820	12.4	21.5
4 1	14 26.20	− 8 58.1	1.897	2.828	9.0	21.3
4 11	14 18.28	− 8 11.0	1.856	2.836	5.2	21.0
4 21	14 9.25	− 7 22.0	1.842	2.844	2.0	20.8
5 1	14 0.05	− 6 36.5	1.857	2.850	4.1	21.0
5 11	13 51.63	− 5 59.2	1.899	2.856	7.9	21.2
5 21	13 44.76	− 5 33.9	1.967	2.862	11.4	21.5
5 31	13 39.95	− 5 22.5	2.057	2.867	14.4	21.7

26005 Alicezhao 4 23.9 267°.42 1°.6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.56	−11 24.5	1.710	2.572	13.7	19.5
4 1	14 25.50	−10 40.6	1.620	2.554	10.0	19.2
4 11	14 18.16	− 9 46.4	1.553	2.535	5.8	18.9
4 21	14 9.27	− 8 46.3	1.513	2.516	1.8	18.6
5 1	13 59.87	− 7 46.7	1.500	2.496	4.4	18.8
5 11	13 51.11	− 6 54.3	1.514	2.477	9.0	19.0
5 21	13 43.97	− 6 14.9	1.551	2.456	13.3	19.2
5 31	13 39.19	− 5 52.2	1.609	2.436	17.0	19.4

172840 2005 EK_{3} 4 23.9 15°.76 3°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.18	− 7 23.2	1.318	2.199	15.7	20.2
4 1	14 25.43	− 6 37.5	1.258	2.201	11.4	19.9
4 11	14 18.14	− 5 46.0	1.219	2.203	6.7	19.7
4 21	14 9.25	− 4 55.3	1.205	2.205	3.5	19.5
5 1	14 0.05	− 4 13.0	1.216	2.208	6.2	19.6
5 11	13 51.90	− 3 45.7	1.251	2.211	10.8	19.9
5 21	13 45.82	− 3 37.0	1.307	2.215	15.1	20.1
5 31	13 42.44	− 3 48.2	1.382	2.219	18.8	20.4

146229 2000 WM_{84} 4 23.9 91°.25 0°.4/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.59	−15 12.9	2.401	3.244	10.9	20.0
4 1	14 23.31	−15 0.8	2.333	3.255	8.0	19.9
4 11	14 16.52	−14 40.8	2.289	3.265	4.7	19.7
4 21	14 8.85	−14 14.9	2.273	3.276	1.2	19.4
5 1	14 1.03	−13 46.2	2.286	3.287	2.4	19.5
5 11	13 53.82	−13 18.5	2.328	3.298	5.8	19.8
5 21	13 47.84	−12 55.1	2.396	3.308	8.9	20.0
5 31	13 43.53	−12 38.9	2.488	3.318	11.6	20.2

296001 2008 YO_{97} 4 23.9 120°.92 0°.2/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.29	−13 50.4	2.221	3.069	11.5	21.7
4 1	14 23.93	−13 29.1	2.151	3.077	8.4	21.5
4 11	14 16.92	−12 59.9	2.105	3.084	4.8	21.3
4 21	14 8.94	−12 25.5	2.087	3.091	1.1	21.0
5 1	14 0.79	−11 49.5	2.098	3.098	2.8	21.2
5 11	13 53.30	−11 16.4	2.138	3.105	6.4	21.4
5 21	13 47.12	−10 49.7	2.203	3.112	9.8	21.6
5 31	13 42.76	−10 32.2	2.291	3.119	12.6	21.8

390374 2013 TR_{32} 4 23.9 75°.82 0°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.30	−16 32.6	1.864	2.715	13.2	20.2
4 1	14 23.33	−15 23.5	1.807	2.734	9.6	20.0
4 11	14 16.58	−14 1.5	1.774	2.753	5.5	19.8
4 21	14 8.85	−12 31.9	1.769	2.773	1.2	19.5
5 1	14 1.08	−11 1.6	1.792	2.792	3.2	19.7
5 11	13 54.18	− 9 38.2	1.843	2.811	7.3	20.0
5 21	13 48.84	− 8 27.4	1.919	2.830	10.9	20.3
5 31	13 45.50	− 7 33.0	2.018	2.848	14.0	20.5

380170 2000 QJ_{210} 4 23.9 261°.26 1°.3/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.13	−18 12.4	2.023	2.861	12.9	21.6
4 1	14 25.72	−17 58.6	1.923	2.841	9.7	21.3
4 11	14 18.22	−17 32.1	1.847	2.820	6.0	21.1
4 21	14 9.29	−16 54.3	1.798	2.799	2.2	20.8
5 1	13 59.85	−16 8.7	1.777	2.778	3.0	20.8
5 11	13 50.95	−15 20.5	1.784	2.756	7.1	21.0
5 21	13 43.48	−14 35.3	1.816	2.734	11.0	21.2
5 31	13 38.12	−13 58.2	1.871	2.711	14.5	21.3

465048 2006 RY_{41} 4 23.9 189°.13 0°.1/23.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.89	−14 42.9	2.059	2.904	12.4	22.2
4 1	14 26.00	−14 11.9	1.979	2.903	9.1	22.0
4 11	14 18.22	−13 30.8	1.924	2.902	5.3	21.8
4 21	14 9.26	−12 42.5	1.896	2.900	1.2	21.5
5 1	14 0.03	−11 51.6	1.897	2.897	3.0	21.6
5 11	13 51.48	−11 3.4	1.927	2.894	7.1	21.9
5 21	13 44.41	−10 22.7	1.982	2.890	10.8	22.1
5 31	13 39.36	− 9 53.3	2.061	2.885	13.9	22.3

506806 2007 LE_{22} 4 23.9 319°.47 11°.1/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.64	+12 16.3	1.527	2.392	14.9	20.3
4 1	14 24.93	+13 34.3	1.462	2.373	12.6	20.1
4 11	14 17.85	+14 38.5	1.418	2.354	11.2	20.0
4 21	14 9.21	+15 19.2	1.398	2.336	11.4	20.0
5 1	14 0.16	+15 29.0	1.400	2.319	13.2	20.0
5 11	13 51.91	+15 4.8	1.423	2.302	15.8	20.1
5 21	13 45.47	+14 8.0	1.466	2.286	18.7	20.3
5 31	13 41.51	+12 43.1	1.524	2.270	21.3	20.4

182373 2001 QY_{181} 4 23.9 219°.96 2°.5/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.61	− 6 51.9	2.221	3.076	11.2	20.9
4 1	14 25.71	− 6 14.6	2.136	3.066	8.2	20.7
4 11	14 18.04	− 5 33.5	2.077	3.056	4.9	20.4
4 21	14 9.24	− 4 52.5	2.046	3.044	2.5	20.2
5 1	14 0.12	− 4 16.2	2.044	3.032	4.5	20.4
5 11	13 51.58	− 3 48.7	2.070	3.020	7.9	20.5
5 21	13 44.33	− 3 33.1	2.122	3.006	11.2	20.7
5 31	13 38.95	− 3 31.0	2.196	2.992	14.1	20.9

354821 2005 WG_{102} 4 23.9 98°.58 3°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.71	− 7 25.1	1.392	2.263	15.6	21.0
4 1	14 28.48	− 6 45.6	1.339	2.278	11.3	20.8
4 11	14 19.77	− 6 1.3	1.310	2.292	6.6	20.6
4 21	14 9.61	− 5 18.4	1.306	2.306	3.2	20.4
5 1	13 59.33	− 4 43.2	1.327	2.320	5.8	20.6
5 11	13 50.23	− 4 21.5	1.375	2.333	10.2	20.9
5 21	13 43.27	− 4 16.2	1.444	2.346	14.4	21.2
5 31	13 39.02	− 4 28.2	1.534	2.359	17.8	21.4

498019 2007 FY_5 4 23.9 242°.86 2°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 34.40	−20 53.8	2.107	2.928	13.0	21.5
4 1	14 28.10	−21 14.3	2.010	2.914	10.1	21.3
4 11	14 19.62	−21 22.8	1.936	2.900	6.7	21.1
4 21	14 9.63	−21 19.0	1.890	2.885	3.5	20.8
5 1	13 59.10	−21 4.1	1.872	2.869	3.5	20.8
5 11	13 49.11	−20 41.9	1.882	2.853	6.9	21.0
5 21	13 40.59	−20 16.9	1.919	2.837	10.5	21.1
5 31	13 34.26	−19 54.4	1.979	2.820	13.8	21.3

270528 2002 GC_{70} 4 23.9 51°.04 2°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.39	− 8 55.1	1.448	2.320	15.1	19.9
4 1	14 26.52	− 8 24.1	1.410	2.349	10.8	19.7
4 11	14 18.49	− 7 48.0	1.395	2.378	6.2	19.5
4 21	14 9.30	− 7 12.1	1.406	2.408	2.4	19.3
5 1	14 0.17	− 6 41.8	1.442	2.438	4.8	19.5
5 11	13 52.26	− 6 22.1	1.505	2.468	9.1	19.9
5 21	13 46.34	− 6 15.8	1.590	2.498	12.9	20.2
5 31	13 42.89	− 6 24.1	1.696	2.528	16.1	20.4

37065 2000 UT_{48} 4 23.9 234°.52 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.75	−14 17.3	2.787	3.627	9.7	19.7
4 1	14 22.66	−13 54.6	2.693	3.615	7.1	19.5
4 11	14 16.18	−13 24.7	2.625	3.602	4.1	19.3
4 21	14 8.81	−12 49.6	2.585	3.589	0.9	19.0
5 1	14 1.19	−12 12.5	2.576	3.576	2.3	19.1
5 11	13 53.99	−11 36.7	2.595	3.562	5.5	19.3
5 21	13 47.79	−11 5.6	2.642	3.548	8.5	19.4
5 31	13 43.05	−10 42.1	2.714	3.533	11.1	19.6

501242 2013 VO_{12} 4 23.9 217°.54 7°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.50	+ 8 48.3	2.445	3.296	10.5	22.2
4 1	14 24.01	+10 19.0	2.378	3.285	8.6	22.1
4 11	14 16.98	+11 43.2	2.337	3.274	7.4	22.0
4 21	14 8.99	+12 54.5	2.324	3.262	7.5	21.9
5 1	14 0.78	+13 47.4	2.337	3.249	8.9	22.0
5 11	13 53.10	+14 18.6	2.377	3.236	11.0	22.1
5 21	13 46.58	+14 27.2	2.439	3.222	13.1	22.2
5 31	13 41.71	+14 14.4	2.519	3.207	15.1	22.4

284442 2007 ES_{40} 4 23.9 90°.77 1°.0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 20.57	− 9 15.1	4.282	5.134	6.3	20.7
4 1	14 17.03	− 8 41.9	4.205	5.134	4.5	20.6
4 11	14 12.74	− 8 6.0	4.155	5.135	2.6	20.4
4 21	14 8.02	− 7 29.6	4.135	5.136	1.0	20.3
5 1	14 3.20	− 6 54.7	4.145	5.137	2.2	20.4
5 11	13 58.67	− 6 23.4	4.184	5.138	4.1	20.5
5 21	13 54.71	− 5 57.5	4.251	5.139	6.0	20.7
5 31	13 51.61	− 5 38.3	4.343	5.140	7.6	20.8

350684 2001 UZ_{192} 4 23.9 230°.99 2°.0/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.69	−21 58.3	2.409	3.231	11.6	20.8
4 1	14 22.83	−21 32.7	2.319	3.225	8.8	20.6
4 11	14 16.35	−20 53.3	2.253	3.218	5.7	20.4
4 21	14 8.87	−20 1.7	2.214	3.211	2.7	20.1
5 1	14 1.12	−19 1.5	2.204	3.204	2.7	20.1
5 11	13 53.93	−17 57.6	2.223	3.196	5.8	20.3
5 21	13 47.96	−16 55.3	2.269	3.189	9.0	20.5
5 31	13 43.72	−15 59.5	2.338	3.181	11.9	20.7

185603 2008 CQ_{23} 4 23.9 290°.71 4°.9/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.89	− 4 10.7	1.545	2.423	14.0	20.3
4 1	14 24.31	− 2 59.5	1.473	2.413	10.3	20.0
4 11	14 17.47	− 1 44.3	1.424	2.403	6.6	19.8
4 21	14 9.15	− 0 32.8	1.400	2.393	4.9	19.6
5 1	14 0.45	+ 0 26.9	1.402	2.382	7.3	19.8
5 11	13 52.54	+ 1 8.0	1.429	2.372	11.3	19.9
5 21	13 46.36	+ 1 26.8	1.478	2.363	15.1	20.2
5 31	13 42.58	+ 1 22.6	1.546	2.353	18.5	20.4

156390 2001 YM_{103} 4 23.9 16°.74 10°.3/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.90	+11 13.9	1.544	2.409	14.7	19.2
4 1	14 25.58	+12 23.1	1.498	2.411	12.2	19.0
4 11	14 18.06	+13 17.7	1.473	2.414	10.5	18.9
4 21	14 9.25	+13 49.4	1.473	2.417	10.5	18.9
5 1	14 0.30	+13 52.4	1.495	2.420	12.0	19.0
5 11	13 52.34	+13 25.2	1.540	2.424	14.5	19.2
5 21	13 46.23	+12 30.1	1.605	2.429	17.1	19.4
5 31	13 42.51	+11 11.6	1.687	2.433	19.5	19.5

141316 2001 YX_{125} 4 23.9 158°.30 4°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.95	+ 3 37.0	2.638	3.491	9.7	20.1
4 1	14 24.12	+ 4 9.9	2.575	3.496	7.4	19.9
4 11	14 16.95	+ 4 38.2	2.539	3.500	5.5	19.8
4 21	14 8.99	+ 4 58.1	2.531	3.504	4.8	19.8
5 1	14 0.91	+ 5 6.4	2.552	3.508	6.1	19.8
5 11	13 53.40	+ 5 1.2	2.600	3.511	8.3	20.0
5 21	13 47.01	+ 4 42.0	2.673	3.514	10.6	20.1
5 31	13 42.15	+ 4 9.6	2.768	3.517	12.6	20.3

138784 2000 SN_{350} 4 23.9 172°.35 5°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.29	+ 7 31.0	2.993	3.844	8.8	21.1
4 1	14 21.38	+ 8 42.6	2.936	3.847	7.0	21.0
4 11	14 15.33	+ 9 48.5	2.907	3.850	5.8	20.9
4 21	14 8.62	+10 44.4	2.906	3.852	5.8	20.9
5 1	14 1.80	+11 26.2	2.933	3.854	7.0	21.0
5 11	13 55.44	+11 51.7	2.986	3.855	8.7	21.1
5 21	13 50.01	+12 0.3	3.063	3.856	10.5	21.2
5 31	13 45.88	+11 52.5	3.160	3.856	12.1	21.4

372995 2011 CQ_{86} 4 23.9 107°.48 1°.9/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.02	−20 13.5	1.846	2.683	14.0	21.5
4 1	14 25.52	−19 54.6	1.778	2.693	10.5	21.3
4 11	14 17.99	−19 20.6	1.733	2.703	6.6	21.1
4 21	14 9.24	−18 33.9	1.714	2.714	2.8	20.8
5 1	14 0.30	−17 38.8	1.723	2.724	3.1	20.9
5 11	13 52.22	−16 41.6	1.759	2.733	7.0	21.1
5 21	13 45.80	−15 48.5	1.820	2.743	10.7	21.4
5 31	13 41.59	−15 4.5	1.904	2.752	14.0	21.6

392649 2011 UG_{150} 4 23.9 208°.03 1°.0/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.28	−17 28.1	2.482	3.317	10.9	22.0
4 1	14 23.17	−17 14.1	2.397	3.314	8.1	21.8
4 11	14 16.52	−16 50.5	2.338	3.311	4.9	21.6
4 21	14 8.91	−16 19.0	2.307	3.308	1.7	21.3
5 1	14 1.07	−15 42.8	2.304	3.305	2.4	21.4
5 11	13 53.75	−15 5.6	2.330	3.302	5.7	21.6
5 21	13 47.60	−14 31.4	2.383	3.298	8.9	21.8
5 31	13 43.10	−14 3.7	2.460	3.294	11.6	22.0

256505 2007 EY_{98} 4 23.9 291°.79 0°.1/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 21.69	−13 38.2	4.230	5.069	6.6	20.2
4 1	14 17.90	−13 23.7	4.138	5.060	4.8	20.0
4 11	14 13.28	−13 5.0	4.073	5.050	2.8	19.9
4 21	14 8.17	−12 43.7	4.037	5.041	0.6	19.7
5 1	14 2.92	−12 21.3	4.032	5.032	1.6	19.7
5 11	13 57.94	−11 59.9	4.056	5.022	3.7	19.9
5 21	13 53.54	−11 41.3	4.108	5.013	5.7	20.0
5 31	13 50.04	−11 27.1	4.186	5.004	7.5	20.1

387319 2012 VX_{71} 4 23.9 106°.17 1°.0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.36	−11 25.5	2.402	3.253	10.6	21.7
4 1	14 23.11	−10 55.0	2.338	3.266	7.7	21.6
4 11	14 16.41	−10 18.7	2.299	3.279	4.4	21.4
4 21	14 8.88	− 9 39.8	2.289	3.292	1.2	21.2
5 1	14 1.25	− 9 2.0	2.308	3.305	3.0	21.3
5 11	13 54.24	− 8 29.1	2.355	3.317	6.3	21.6
5 21	13 48.44	− 8 4.3	2.429	3.330	9.3	21.8
5 31	13 44.28	− 7 49.6	2.526	3.342	11.9	22.0

415311 2013 GU_{127} 4 23.9 252°.18 5°.2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.27	− 2 5.3	1.636	2.507	13.7	21.5
4 1	14 26.73	− 1 8.6	1.559	2.494	10.2	21.2
4 11	14 18.88	− 0 10.9	1.505	2.481	6.8	21.0
4 21	14 9.50	+ 0 41.0	1.477	2.467	5.3	20.8
5 1	13 59.68	+ 1 20.2	1.476	2.453	7.5	20.9
5 11	13 50.60	+ 1 41.0	1.501	2.439	11.2	21.1
5 21	13 43.25	+ 1 41.0	1.547	2.424	15.0	21.3
5 31	13 38.31	+ 1 19.8	1.613	2.409	18.3	21.5

302344 2002 AG_{148} 4 23.9 178°.48 5°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.45	+ 8 21.4	3.056	3.901	8.8	21.3
4 1	14 22.91	+ 9 8.1	2.996	3.903	7.0	21.2
4 11	14 16.21	+ 9 48.4	2.962	3.904	5.8	21.1
4 21	14 8.84	+10 18.6	2.957	3.905	5.6	21.1
5 1	14 1.36	+10 35.3	2.979	3.905	6.7	21.1
5 11	13 54.35	+10 37.1	3.029	3.904	8.4	21.2
5 21	13 48.30	+10 23.6	3.103	3.904	10.2	21.4
5 31	13 43.57	+ 9 55.8	3.198	3.902	11.8	21.5

213859 2003 SG_{127} 4 23.9 162°.87 4°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.45	− 4 18.3	1.709	2.577	13.4	20.3
4 1	14 26.60	− 3 27.0	1.645	2.580	9.8	20.1
4 11	14 18.65	− 2 33.8	1.605	2.584	6.1	19.9
4 21	14 9.42	− 1 44.6	1.592	2.586	4.1	19.7
5 1	13 59.96	− 1 5.6	1.606	2.589	6.3	19.9
5 11	13 51.37	− 0 41.6	1.646	2.591	9.9	20.1
5 21	13 44.50	− 0 35.1	1.710	2.592	13.5	20.3
5 31	13 39.90	− 0 46.7	1.794	2.594	16.6	20.5

472986 2015 HT_{14} 4 23.9 59°.04 2°.8/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.36	− 7 51.1	2.071	2.938	11.4	20.9
4 1	14 21.88	− 6 45.5	2.005	2.942	8.2	20.7
4 11	14 15.80	− 5 34.8	1.964	2.946	4.9	20.5
4 21	14 8.76	− 4 24.3	1.951	2.949	2.8	20.4
5 1	14 1.55	− 3 19.9	1.966	2.953	4.8	20.5
5 11	13 55.01	− 2 27.0	2.008	2.957	8.1	20.7
5 21	13 49.77	− 1 49.0	2.075	2.961	11.3	20.9
5 31	13 46.31	− 1 27.8	2.163	2.965	14.1	21.1

472680 2015 EO_{46} 4 23.9 310°.87 1°.0/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.42	−12 55.2	1.681	2.547	13.7	20.9
4 1	14 23.23	−12 16.7	1.595	2.531	10.0	20.7
4 11	14 16.87	−11 27.0	1.532	2.515	5.8	20.4
4 21	14 9.05	−10 30.2	1.495	2.499	1.4	20.1
5 1	14 0.78	− 9 32.3	1.484	2.483	3.9	20.2
5 11	13 53.17	− 8 40.1	1.500	2.468	8.5	20.4
5 21	13 47.15	− 7 59.3	1.539	2.453	12.8	20.6
5 31	13 43.40	− 7 34.0	1.598	2.439	16.5	20.8

344858 2004 HT_{12} 4 23.9 105°.31 0°.5/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.69	−11 43.1	2.285	3.134	11.2	20.7
4 1	14 24.91	−11 36.5	2.216	3.143	8.1	20.5
4 11	14 17.52	−11 24.3	2.173	3.152	4.7	20.3
4 21	14 9.16	−11 8.8	2.158	3.162	1.1	20.0
5 1	14 0.63	−10 53.0	2.172	3.171	2.9	20.2
5 11	13 52.75	−10 40.0	2.214	3.180	6.4	20.4
5 21	13 46.18	−10 32.8	2.283	3.189	9.6	20.6
5 31	13 41.39	−10 33.4	2.375	3.197	12.3	20.8

426831 2013 VP_{2} 4 23.9 259°.28 1°.3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.28	−13 16.0	1.857	2.717	12.9	20.6
4 1	14 23.62	−12 8.9	1.771	2.704	9.4	20.3
4 11	14 16.99	−10 49.1	1.709	2.691	5.4	20.1
4 21	14 9.07	− 9 22.0	1.675	2.678	1.5	19.8
5 1	14 0.79	− 7 54.4	1.668	2.665	4.0	19.9
5 11	13 53.17	− 6 34.1	1.689	2.651	8.3	20.1
5 21	13 47.04	− 5 27.5	1.735	2.637	12.3	20.3
5 31	13 42.99	− 4 38.7	1.802	2.623	15.7	20.5

176003 2000 RH_{13} 4 23.9 192°.69 5°.8/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.46	−34 24.5	2.884	3.626	11.8	20.9
4 1	14 26.31	−34 57.3	2.791	3.624	9.9	20.8
4 11	14 18.42	−35 14.0	2.721	3.622	8.0	20.6
4 21	14 9.39	−35 13.2	2.676	3.620	6.4	20.5
5 1	14 0.01	−34 55.1	2.659	3.617	5.8	20.5
5 11	13 51.13	−34 22.1	2.670	3.613	6.6	20.5
5 21	13 43.47	−33 38.7	2.707	3.610	8.4	20.6
5 31	13 37.62	−32 50.0	2.769	3.606	10.4	20.8

37701 1996 AR_{8} 4 23.9 241°.84 3°.1/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.98	−25 7.5	2.545	3.351	11.5	19.7
4 1	14 23.05	−25 1.2	2.452	3.344	9.0	19.5
4 11	14 16.51	−24 40.8	2.383	3.336	6.3	19.3
4 21	14 8.95	−24 6.9	2.341	3.329	3.8	19.1
5 1	14 1.10	−23 21.7	2.327	3.321	3.4	19.1
5 11	13 53.78	−22 29.5	2.342	3.313	5.7	19.2
5 21	13 47.64	−21 34.9	2.384	3.306	8.5	19.4
5 31	13 43.19	−20 43.1	2.450	3.298	11.2	19.5

103877 2000 DF_{48} 4 23.9 219°.01 0°.7/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.38	−16 23.2	2.149	2.992	12.0	20.4
4 1	14 24.18	−16 6.6	2.067	2.989	8.9	20.2
4 11	14 17.21	−15 39.9	2.010	2.986	5.3	19.9
4 21	14 9.12	−15 5.1	1.980	2.983	1.5	19.7
5 1	14 0.74	−14 25.8	1.978	2.979	2.7	19.7
5 11	13 52.98	−13 46.8	2.004	2.976	6.5	20.0
5 21	13 46.57	−13 12.3	2.057	2.972	10.0	20.2
5 31	13 42.06	−12 46.3	2.132	2.968	13.1	20.4

59584 1999 JT_{55} 4 23.9 297°.93 2°.3/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.86	−10 3.0	1.669	2.539	13.5	19.0
4 1	14 23.51	− 9 7.1	1.587	2.526	9.8	18.8
4 11	14 17.02	− 8 1.9	1.529	2.512	5.7	18.5
4 21	14 9.10	− 6 52.8	1.497	2.498	2.4	18.2
5 1	14 0.78	− 5 46.8	1.491	2.485	5.0	18.4
5 11	13 53.15	− 4 51.2	1.512	2.472	9.3	18.6
5 21	13 47.13	− 4 11.3	1.556	2.459	13.4	18.8
5 31	13 43.36	− 3 50.1	1.620	2.446	17.0	19.0

488618 2002 TK_{125} 4 23.9 218°.91 1°.0/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.12	−19 8.1	2.537	3.366	10.9	22.0
4 1	14 23.07	−18 29.5	2.445	3.358	8.1	21.8
4 11	14 16.49	−17 38.9	2.378	3.350	5.0	21.6
4 21	14 8.95	−16 38.6	2.339	3.340	1.7	21.4
5 1	14 1.18	−15 32.5	2.330	3.331	2.4	21.4
5 11	13 53.92	−14 25.5	2.350	3.321	5.7	21.6
5 21	13 47.81	−13 22.7	2.398	3.311	8.9	21.8
5 31	13 43.32	−12 28.3	2.469	3.300	11.7	22.0

106977 2000 YG_{93} 4 23.9 158°.55 3°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.16	− 6 20.9	1.830	2.692	12.9	20.3
4 1	14 27.00	− 5 35.4	1.765	2.699	9.4	20.1
4 11	14 18.85	− 4 46.3	1.725	2.705	5.6	19.9
4 21	14 9.49	− 3 58.8	1.712	2.710	3.2	19.7
5 1	13 59.94	− 3 18.5	1.727	2.714	5.3	19.9
5 11	13 51.22	− 2 50.2	1.769	2.718	9.0	20.1
5 21	13 44.14	− 2 36.8	1.835	2.722	12.5	20.3
5 31	13 39.25	− 2 39.4	1.923	2.725	15.6	20.5

220296 2003 CX_{20} 4 23.9 58°.84 0°.5/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.95	−14 36.9	1.654	2.515	14.1	20.6
4 1	14 24.16	−13 52.9	1.589	2.522	10.3	20.4
4 11	14 17.28	−12 56.8	1.547	2.528	5.9	20.1
4 21	14 9.14	−11 53.2	1.531	2.535	1.3	19.8
5 1	14 0.79	−10 48.4	1.542	2.542	3.6	20.0
5 11	13 53.32	− 9 49.4	1.580	2.550	8.1	20.3
5 21	13 47.55	− 9 1.9	1.641	2.557	12.1	20.5
5 31	13 44.05	− 8 29.8	1.724	2.564	15.5	20.8

348996 2006 UR_{194} 4 23.9 78°.69 0°.3/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.39	−13 35.9	2.239	3.088	11.4	21.6
4 1	14 23.25	−13 12.4	2.174	3.101	8.2	21.4
4 11	14 16.56	−12 41.4	2.135	3.114	4.7	21.2
4 21	14 8.96	−12 5.7	2.123	3.127	1.0	21.0
5 1	14 1.23	−11 29.1	2.140	3.140	2.8	21.1
5 11	13 54.17	−10 55.7	2.185	3.153	6.3	21.4
5 21	13 48.40	−10 29.1	2.257	3.166	9.5	21.6
5 31	13 44.39	−10 12.0	2.351	3.179	12.3	21.8

522973 2016 PL_{116} 4 23.9 43°.72 5°.0/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.78	−28 40.9	2.109	2.906	13.9	20.9
4 1	14 24.65	−28 56.5	2.031	2.910	11.2	20.8
4 11	14 17.56	−28 54.1	1.975	2.915	8.3	20.6
4 21	14 9.22	−28 33.1	1.944	2.919	5.8	20.4
5 1	14 0.58	−27 55.4	1.939	2.924	5.1	20.4
5 11	13 52.65	−27 5.6	1.962	2.929	6.9	20.5
5 21	13 46.25	−26 9.8	2.010	2.934	9.7	20.7
5 31	13 41.96	−25 14.5	2.082	2.940	12.5	20.9

5100 Pasachoff 4 23.9 57°.14 5°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.81	− 1 51.9	1.409	2.288	15.0	17.1
4 1	14 26.33	− 1 0.1	1.362	2.301	11.1	16.9
4 11	14 18.54	− 0 10.0	1.337	2.314	7.3	16.7
4 21	14 9.42	+ 0 31.4	1.337	2.328	5.5	16.6
5 1	14 0.20	+ 0 57.4	1.363	2.342	7.6	16.8
5 11	13 52.08	+ 1 3.9	1.412	2.356	11.4	17.0
5 21	13 45.97	+ 0 49.9	1.484	2.370	15.0	17.3
5 31	13 42.38	+ 0 16.6	1.574	2.384	18.1	17.5

119186 2001 QM_{93} 4 23.9 156°.60 0°.5/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.93	−16 54.2	2.363	3.197	11.4	20.5
4 1	14 25.07	−16 20.4	2.288	3.206	8.4	20.3
4 11	14 17.61	−15 36.2	2.239	3.214	5.0	20.1
4 21	14 9.21	−14 44.3	2.218	3.221	1.4	19.9
5 1	14 0.65	−13 48.7	2.227	3.228	2.5	20.0
5 11	13 52.75	−12 54.3	2.265	3.234	6.1	20.2
5 21	13 46.16	−12 5.7	2.331	3.239	9.3	20.4
5 31	13 41.34	−11 26.5	2.420	3.244	12.1	20.6

72596 Zilkha 4 23.9 219°.95 4°.5/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 37.13	−24 53.5	2.010	2.814	14.2	19.5
4 1	14 30.28	−25 28.7	1.916	2.805	11.3	19.2
4 11	14 21.01	−25 49.0	1.846	2.796	8.0	19.0
4 21	14 10.05	−25 52.7	1.801	2.786	5.2	18.8
5 1	13 58.49	−25 40.1	1.785	2.775	4.8	18.8
5 11	13 47.56	−25 14.9	1.797	2.764	7.5	18.9
5 21	13 38.29	−24 42.5	1.835	2.752	11.0	19.1
5 31	13 31.46	−24 9.5	1.896	2.739	14.2	19.3

380449 2003 SF_{332} 4 23.9 136°.81 0°.2/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.14	−13 11.2	2.764	3.601	9.8	22.1
4 1	14 24.96	−12 53.8	2.696	3.617	7.1	22.0
4 11	14 17.45	−12 30.5	2.655	3.632	4.1	21.8
4 21	14 9.17	−12 3.3	2.643	3.647	0.9	21.6
5 1	14 0.79	−11 35.1	2.662	3.661	2.4	21.7
5 11	13 52.99	−11 9.1	2.711	3.675	5.5	21.9
5 21	13 46.31	−10 48.0	2.787	3.688	8.3	22.1
5 31	13 41.18	−10 34.2	2.888	3.700	10.7	22.3

292061 2006 RF_{10} 4 23.9 161°.42 2°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.74	− 6 56.2	2.594	3.452	9.7	21.0
4 1	14 21.89	− 5 58.7	2.524	3.457	7.0	20.8
4 11	14 15.72	− 4 57.8	2.481	3.460	4.2	20.6
4 21	14 8.78	− 3 57.6	2.467	3.464	2.5	20.5
5 1	14 1.70	− 3 2.6	2.482	3.467	4.1	20.6
5 11	13 55.15	− 2 16.9	2.526	3.470	6.9	20.8
5 21	13 49.67	− 1 43.1	2.595	3.473	9.6	21.0
5 31	13 45.67	− 1 22.9	2.687	3.475	12.0	21.2

112079 2002 JV_{24} 4 23.9 330°.45 2°.1/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.75	−11 10.9	1.163	2.051	16.8	19.3
4 1	14 23.50	−10 30.2	1.088	2.035	12.3	19.0
4 11	14 17.37	− 9 36.7	1.034	2.019	7.2	18.6
4 21	14 9.25	− 8 36.4	1.002	2.005	2.3	18.3
5 1	14 0.49	− 7 37.9	0.993	1.991	5.5	18.4
5 11	13 52.63	− 6 50.6	1.007	1.979	11.2	18.7
5 21	13 46.95	− 6 21.4	1.042	1.968	16.4	18.9
5 31	13 44.27	− 6 14.2	1.093	1.958	20.9	19.2

87407 2000 QJ_{83} 4 23.9 211°.70 5°.3/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.23	− 1 6.9	2.031	2.899	11.5	19.6
4 1	14 23.33	+ 0 24.3	1.962	2.895	8.6	19.4
4 11	14 16.70	+ 1 56.3	1.920	2.890	6.1	19.2
4 21	14 9.02	+ 3 22.1	1.905	2.885	5.4	19.1
5 1	14 1.12	+ 4 34.6	1.917	2.880	7.3	19.2
5 11	13 53.86	+ 5 28.4	1.957	2.874	10.2	19.4
5 21	13 47.95	+ 6 0.8	2.019	2.868	13.2	19.6
5 31	13 43.90	+ 6 11.6	2.101	2.861	15.7	19.8

165247 2000 SC_{151} 4 23.9 188°.32 1°.1/24.6 18

3 22	14 35.09	−16 23.5	1.762	2.605	14.2	20.6
4 1	14 28.72	−16 22.6	1.684	2.605	10.6	20.4
4 11	14 20.02	−16 10.3	1.629	2.604	6.4	20.1
4 21	14 9.81	−15 48.1	1.600	2.603	2.0	19.8
5 1	13 59.20	−15 19.5	1.600	2.601	3.2	19.9
5 11	13 49.41	−14 49.7	1.627	2.598	7.7	20.2
5 21	13 41.39	−14 23.7	1.679	2.595	11.8	20.4
5 31	13 35.83	−14 6.3	1.753	2.592	15.3	20.6

492314 2014 BS_{20} 4 23.9 71°.82 0°.4/24.3 17

3 22	14 29.08	−15 33.9	2.081	2.928	12.2	21.5
4 1	14 23.88	−15 15.1	2.016	2.941	8.9	21.3
4 11	14 16.98	−14 46.8	1.977	2.954	5.3	21.1
4 21	14 9.08	−14 11.6	1.964	2.967	1.4	20.8
5 1	14 1.03	−13 33.4	1.979	2.980	2.7	20.9
5 11	13 53.72	−12 57.0	2.023	2.993	6.5	21.2
5 21	13 47.81	−12 26.3	2.092	3.007	9.9	21.4
5 31	13 43.80	−12 4.6	2.183	3.020	12.8	21.7

106119 2000 TZ_{32} 4 23.9 140°.14 8°.0/ 4.5 18

3 22	14 31.10	−43 44.1	2.620	3.307	14.1	19.1
4 1	14 25.52	−43 51.0	2.533	3.311	12.4	19.0
4 11	14 18.01	−43 34.3	2.464	3.315	10.6	18.8
4 21	14 9.32	−42 52.0	2.418	3.319	9.0	18.7
5 1	14 0.44	−41 45.0	2.397	3.323	8.1	18.7
5 11	13 52.34	−40 17.3	2.402	3.327	8.3	18.7
5 21	13 45.83	−38 35.6	2.434	3.330	9.5	18.8
5 31	13 41.42	−36 47.5	2.490	3.333	11.2	18.9

84343 2002 TF_{65} 4 23.9 217°.75 3°.6/26.7 17

3 22	14 32.80	−24 3.0	1.880	2.699	14.5	20.8
4 1	14 27.09	−24 5.0	1.793	2.694	11.3	20.6
4 11	14 19.10	−23 49.7	1.729	2.687	7.8	20.4
4 21	14 9.61	−23 17.1	1.690	2.681	4.4	20.2
5 1	13 59.68	−22 30.0	1.678	2.674	4.1	20.1
5 11	13 50.48	−21 33.9	1.694	2.667	7.3	20.3
5 21	13 42.97	−20 35.8	1.735	2.659	11.0	20.5
5 31	13 37.83	−19 42.5	1.799	2.651	14.4	20.7

131645 2001 XS_{87} 4 23.9 172°.87 0°.2/24.0 18

3 22	14 35.57	−14 22.3	1.831	2.676	13.7	21.0
4 1	14 28.92	−14 10.9	1.756	2.680	10.1	20.8
4 11	14 20.06	−13 49.7	1.705	2.683	5.9	20.6
4 21	14 9.82	−13 21.2	1.681	2.685	1.4	20.3
5 1	13 59.26	−12 49.2	1.686	2.687	3.2	20.4
5 11	13 49.53	−12 18.9	1.719	2.687	7.6	20.7
5 21	13 41.54	−11 54.8	1.777	2.687	11.6	20.9
5 31	13 35.89	−11 40.7	1.857	2.687	15.0	21.1

501452 2014 AM_{40} 4 23.9 64°.57 7°.5/17.4 17

3 22	14 29.74	+ 8 7.1	1.991	2.851	12.1	20.6
4 1	14 24.22	+ 9 8.6	1.955	2.871	9.7	20.5
4 11	14 17.09	+10 0.0	1.944	2.891	7.9	20.4
4 21	14 9.10	+10 35.5	1.958	2.911	7.6	20.4
5 1	14 1.11	+10 50.9	1.999	2.932	9.0	20.5
5 11	13 53.97	+10 44.5	2.064	2.952	11.2	20.7
5 21	13 48.29	+10 17.4	2.151	2.972	13.4	20.9
5 31	13 44.50	+ 9 32.0	2.257	2.992	15.4	21.1

499296 2009 WT_{8} 4 23.9 169°.86 1°.5/25.4 17

3 22	14 32.15	−19 18.8	2.543	3.364	11.1	22.7
4 1	14 25.94	−19 7.8	2.462	3.369	8.3	22.5
4 11	14 18.14	−18 46.1	2.406	3.374	5.2	22.3
4 21	14 9.37	−18 15.2	2.378	3.377	2.1	22.1
5 1	14 0.38	−17 37.8	2.380	3.380	2.5	22.1
5 11	13 51.99	−16 57.9	2.412	3.382	5.6	22.3
5 21	13 44.85	−16 19.6	2.471	3.384	8.7	22.5
5 31	13 39.44	−15 46.8	2.555	3.384	11.4	22.7

122750 2000 SA_{60} 4 23.9 155°.96 0°.7/24.5 17

3 22	14 30.83	−16 41.2	1.992	2.835	12.8	20.7
4 1	14 25.32	−16 21.0	1.917	2.839	9.5	20.5
4 11	14 17.91	−15 49.5	1.866	2.842	5.7	20.3
4 21	14 9.32	−15 9.2	1.842	2.845	1.6	20.0
5 1	14 0.49	−14 24.2	1.847	2.848	2.8	20.1
5 11	13 52.39	−13 39.7	1.879	2.851	6.8	20.4
5 21	13 45.79	−13 0.8	1.937	2.853	10.5	20.6
5 31	13 41.24	−12 31.3	2.018	2.855	13.7	20.8

480241 2015 HS_{26} 4 23.9 235°.31 1°.5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.56	−10 2.5	2.201	3.058	11.2	21.7
4 1	14 23.53	− 9 28.5	2.121	3.052	8.1	21.5
4 11	14 16.83	− 8 48.6	2.066	3.047	4.7	21.3
4 21	14 9.08	− 8 6.3	2.039	3.041	1.6	21.1
5 1	14 1.07	− 7 26.0	2.040	3.035	3.6	21.2
5 11	13 53.64	− 6 52.1	2.069	3.029	7.2	21.4
5 21	13 47.47	− 6 28.1	2.124	3.023	10.5	21.6
5 31	13 43.10	− 6 16.2	2.201	3.016	13.4	21.8

131199 2001 DO_{23} 4 23.9 335°.89 3°.9/20.8 18

3 22	14 27.83	− 5 8.7	1.658	2.534	13.3	19.4
4 1	14 23.41	− 4 16.9	1.588	2.528	9.7	19.2
4 11	14 16.92	− 3 21.9	1.542	2.522	6.0	18.9
4 21	14 9.11	− 2 29.6	1.521	2.517	3.9	18.8
5 1	14 1.00	− 1 46.6	1.527	2.512	6.2	18.9
5 11	13 53.64	− 1 18.4	1.557	2.507	10.0	19.1
5 21	13 47.89	− 1 8.1	1.611	2.503	13.7	19.3
5 31	13 44.34	− 1 16.6	1.684	2.499	16.9	19.5

273351 2006 UN_{66} 4 23.9 50°.66 0°.9/23.1 18

3 22	14 28.17	−17 49.0	1.316	2.182	16.7	20.0
4 1	14 23.76	−15 52.3	1.270	2.206	12.0	19.8
4 11	14 17.04	−13 36.0	1.247	2.230	6.8	19.5
4 21	14 9.10	−11 10.5	1.250	2.254	1.5	19.2
5 1	14 1.20	− 8 48.8	1.280	2.279	4.4	19.5
5 11	13 54.54	− 6 43.3	1.336	2.304	9.4	19.9
5 21	13 49.92	− 5 2.4	1.416	2.329	13.8	20.2
5 31	13 47.77	− 3 49.8	1.515	2.354	17.3	20.5

514762 2007 EH_{99} 4 23.9 300°.01 4°.4/30.5 18

3 22	14 27.44	−35 27.4	4.292	5.014	8.5	20.8
4 1	14 22.25	−36 1.0	4.194	5.010	7.2	20.7
4 11	14 15.93	−36 23.6	4.121	5.006	5.9	20.6
4 21	14 8.87	−36 34.2	4.073	5.003	4.9	20.6
5 1	14 1.56	−36 33.1	4.054	4.999	4.4	20.5
5 11	13 54.53	−36 21.6	4.063	4.995	4.9	20.6
5 21	13 48.25	−36 2.0	4.099	4.992	6.1	20.6
5 31	13 43.11	−35 37.2	4.161	4.988	7.4	20.7

63747 2001 QG_{263} 4 23.9 141°.48 1°.7/22.4 18

3 22	14 32.12	− 9 12.6	2.210	3.062	11.4	19.6
4 1	14 25.96	− 8 40.6	2.145	3.074	8.2	19.4
4 11	14 18.14	− 8 3.9	2.106	3.086	4.7	19.2
4 21	14 9.37	− 7 26.1	2.095	3.097	1.8	19.0
5 1	14 0.46	− 6 51.3	2.114	3.107	3.7	19.1
5 11	13 52.27	− 6 23.5	2.161	3.117	7.2	19.4
5 21	13 45.46	− 6 5.5	2.234	3.126	10.4	19.6
5 31	13 40.51	− 5 59.3	2.329	3.135	13.1	19.8

31670 1999 JL_{7} 4 23.9 214°.33 3°.5/20.2 18

3 22	14 26.45	− 4 51.2	2.199	3.066	10.8	19.0
4 1	14 21.92	− 3 44.7	2.130	3.066	7.9	18.8
4 11	14 15.85	− 2 35.5	2.087	3.065	5.0	18.6
4 21	14 8.85	− 1 28.9	2.071	3.064	3.5	18.6
5 1	14 1.67	− 0 30.5	2.084	3.063	5.4	18.7
5 11	13 55.08	+ 0 15.0	2.124	3.063	8.4	18.8
5 21	13 49.72	+ 0 44.8	2.188	3.062	11.3	19.0
5 31	13 46.04	+ 0 57.7	2.274	3.061	13.9	19.2

46528 1981 EB_{8} 4 23.9 130°.72 4°.2/27.4 18

3 22	14 34.44	−25 55.6	1.909	2.717	14.7	19.5
4 1	14 28.11	−26 3.6	1.838	2.729	11.6	19.3
4 11	14 19.59	−25 53.5	1.789	2.741	8.1	19.1
4 21	14 9.72	−25 25.0	1.766	2.752	5.1	19.0
5 1	13 59.60	−24 41.0	1.770	2.762	4.5	18.9
5 11	13 50.37	−23 47.1	1.802	2.772	7.2	19.1
5 21	13 42.92	−22 50.0	1.859	2.782	10.5	19.3
5 31	13 37.85	−21 56.6	1.940	2.791	13.6	19.6

53109 1999 AD_{5} 4 23.9 152°.97 13°.0/ 8.7 18

3 22	14 31.92	+25 28.4	2.025	2.828	14.1	19.1
4 1	14 26.01	+27 18.7	2.000	2.835	13.2	19.0
4 11	14 18.22	+28 45.8	1.996	2.840	13.0	19.0
4 21	14 9.39	+29 42.2	2.015	2.845	13.6	19.1
5 1	14 0.47	+30 3.9	2.055	2.850	14.7	19.2
5 11	13 52.45	+29 50.7	2.114	2.855	16.1	19.3
5 21	13 46.06	+29 6.0	2.189	2.858	17.4	19.4
5 31	13 41.78	+27 55.0	2.277	2.862	18.7	19.5

455387 2002 VO_{142} 4 23.9 211°.30 2°.3/22.3 17

3 22	14 35.45	− 8 48.8	1.721	2.579	13.8	22.6
4 1	14 29.01	− 8 13.8	1.640	2.572	10.1	22.4
4 11	14 20.23	− 7 32.2	1.584	2.564	5.9	22.1
4 21	14 9.91	− 6 48.6	1.554	2.556	2.4	21.9
5 1	13 59.15	− 6 8.5	1.553	2.546	4.8	22.0
5 11	13 49.18	− 5 37.7	1.578	2.536	9.2	22.2
5 21	13 40.96	− 5 20.3	1.628	2.525	13.3	22.4
5 31	13 35.18	− 5 18.5	1.699	2.512	16.8	22.6

208045 1999 RT_{222} 4 23.9 276°.12 0°.6/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 30.80	−16 54.7	1.566	2.421	15.1	20.0
4 1	14 25.99	−16 26.1	1.476	2.404	11.3	19.7
4 11	14 18.66	−15 41.6	1.408	2.386	6.8	19.4
4 21	14 9.57	−14 44.1	1.365	2.368	1.9	19.1
5 1	13 59.89	−13 39.1	1.348	2.350	3.5	19.1
5 11	13 50.92	−12 34.4	1.358	2.331	8.6	19.4
5 21	13 43.75	−11 37.6	1.391	2.313	13.4	19.6
5 31	13 39.18	−10 54.9	1.444	2.294	17.5	19.8

242745 2005 VS_{25} 4 23.9 273°.41 2°.2/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.17	−22 57.0	2.471	3.289	11.5	20.3
4 1	14 22.55	−22 26.2	2.366	3.269	8.8	20.0
4 11	14 16.31	−21 40.5	2.286	3.249	5.8	19.8
4 21	14 8.99	−20 41.3	2.233	3.228	2.9	19.6
5 1	14 1.35	−19 32.0	2.209	3.208	2.8	19.5
5 11	13 54.17	−18 17.8	2.213	3.187	5.8	19.7
5 21	13 48.15	−17 4.3	2.245	3.166	9.0	19.9
5 31	13 43.83	−15 57.0	2.302	3.145	12.0	20.0

62467 2000 SW_{213} 4 23.9 148°.96 4°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.18	− 0 7.6	2.515	3.378	9.8	19.5
4 1	14 22.24	+ 0 45.3	2.453	3.382	7.3	19.3
4 11	14 15.96	+ 1 36.4	2.416	3.386	5.1	19.2
4 21	14 8.89	+ 2 21.6	2.407	3.389	4.3	19.1
5 1	14 1.68	+ 2 56.4	2.427	3.393	5.7	19.2
5 11	13 55.02	+ 3 18.0	2.474	3.396	8.1	19.4
5 21	13 49.46	+ 3 24.9	2.546	3.399	10.6	19.6
5 31	13 45.42	+ 3 16.9	2.639	3.402	12.8	19.7

434411 2005 JK_{103} 4 23.9 288°.86 6°.7/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 26.99	+ 4 19.8	2.059	2.927	11.4	21.2
4 1	14 22.49	+ 5 37.8	1.988	2.914	9.0	21.0
4 11	14 16.28	+ 6 51.8	1.943	2.901	7.1	20.9
4 21	14 8.99	+ 7 55.0	1.924	2.889	6.8	20.8
5 1	14 1.43	+ 8 41.3	1.931	2.876	8.5	20.9
5 11	13 54.45	+ 9 6.5	1.963	2.863	11.1	21.0
5 21	13 48.76	+ 9 9.3	2.018	2.850	13.8	21.2
5 31	13 44.89	+ 8 50.4	2.091	2.838	16.2	21.3

135202 2001 RC_{53} 4 23.9 216°.19 4°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.34	− 0 56.8	2.406	3.269	10.2	20.2
4 1	14 22.48	+ 0 5.9	2.334	3.264	7.6	20.1
4 11	14 16.16	+ 1 8.3	2.288	3.259	5.2	19.9
4 21	14 8.95	+ 2 5.4	2.270	3.254	4.4	19.8
5 1	14 1.54	+ 2 52.3	2.281	3.248	6.0	19.9
5 11	13 54.67	+ 3 25.1	2.319	3.242	8.6	20.1
5 21	13 48.92	+ 3 41.8	2.381	3.235	11.2	20.2
5 31	13 44.77	+ 3 42.0	2.464	3.229	13.6	20.4

499159 2009 SJ_{46} 4 23.9 305°.71 3°.3/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.17	−20 23.8	1.606	2.446	15.5	20.8
4 1	14 27.75	−20 53.6	1.521	2.436	12.0	20.6
4 11	14 19.72	−21 9.7	1.457	2.425	7.9	20.3
4 21	14 9.84	−21 11.2	1.419	2.415	4.1	20.0
5 1	13 59.33	−20 59.6	1.406	2.405	4.2	20.0
5 11	13 49.54	−20 39.3	1.420	2.395	8.2	20.2
5 21	13 41.64	−20 16.3	1.458	2.386	12.4	20.4
5 31	13 36.44	−19 56.9	1.516	2.377	16.2	20.7

465069 2006 SE_{213} 4 23.9 207°.55 6°.7/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.23	+ 3 42.9	2.068	2.931	11.6	21.3
4 1	14 24.79	+ 5 16.3	2.002	2.925	9.1	21.1
4 11	14 17.59	+ 6 46.4	1.961	2.919	7.1	21.0
4 21	14 9.29	+ 8 5.9	1.948	2.912	6.9	21.0
5 1	14 0.76	+ 9 8.0	1.962	2.904	8.6	21.1
5 11	13 52.87	+ 9 48.1	2.002	2.895	11.2	21.2
5 21	13 46.35	+10 4.7	2.064	2.886	13.9	21.4
5 31	13 41.73	+ 9 58.6	2.146	2.877	16.3	21.5

83034 2001 QT_{183} 4 23.9 251°.11 1°.6/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.86	− 9 45.1	2.339	3.195	10.7	19.6
4 1	14 22.98	− 9 7.2	2.253	3.184	7.7	19.4
4 11	14 16.52	− 8 23.7	2.193	3.174	4.5	19.2
4 21	14 9.05	− 7 37.9	2.160	3.162	1.7	19.0
5 1	14 1.31	− 6 54.1	2.157	3.151	3.6	19.1
5 11	13 54.08	− 6 16.7	2.182	3.140	7.0	19.3
5 21	13 48.01	− 5 49.1	2.232	3.128	10.2	19.5
5 31	13 43.62	− 5 33.7	2.305	3.116	13.0	19.6

499504 2010 NZ_{86} 4 23.9 266°.32 1°.2/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.22	−12 45.3	1.669	2.530	14.0	22.1
4 1	14 26.14	−12 2.2	1.577	2.510	10.3	21.8
4 11	14 18.69	−11 7.2	1.508	2.490	6.0	21.5
4 21	14 9.60	−10 4.3	1.466	2.469	1.6	21.2
5 1	13 59.94	− 8 59.8	1.450	2.448	4.2	21.3
5 11	13 50.93	− 8 1.2	1.461	2.427	9.0	21.6
5 21	13 43.59	− 7 14.8	1.496	2.405	13.5	21.8
5 31	13 38.68	− 6 45.1	1.552	2.383	17.3	22.0

344513 2002 RE_{140} 4 23.9 262°.09 2°.6/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.51	− 5 43.6	2.204	3.061	11.2	20.8
4 1	14 25.77	− 5 24.3	2.113	3.044	8.2	20.6
4 11	14 18.22	− 5 3.1	2.048	3.027	5.0	20.4
4 21	14 9.46	− 4 43.2	2.011	3.010	2.6	20.2
5 1	14 0.32	− 4 28.4	2.002	2.992	4.5	20.3
5 11	13 51.68	− 4 22.1	2.022	2.974	7.9	20.5
5 21	13 44.32	− 4 26.7	2.067	2.956	11.3	20.6
5 31	13 38.83	− 4 43.4	2.135	2.937	14.2	20.8

227385 2005 UA_{284} 4 23.9 6°.34 3°.4/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.70	− 7 23.9	1.063	1.953	17.9	19.7
4 1	14 27.14	− 7 1.0	1.006	1.953	13.1	19.4
4 11	14 19.46	− 6 32.9	0.968	1.953	7.7	19.1
4 21	14 9.78	− 6 5.7	0.953	1.955	3.4	18.9
5 1	13 59.65	− 5 46.6	0.961	1.957	6.4	19.1
5 11	13 50.78	− 5 42.0	0.991	1.960	11.8	19.4
5 21	13 44.39	− 5 55.1	1.041	1.964	16.8	19.6
5 31	13 41.25	− 6 26.8	1.109	1.968	21.0	19.9

168537 1999 VG_{68} 4 23.9 133°.19 0°.4/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.11	−14 2.0	1.936	2.783	13.0	20.9
4 1	14 26.90	−13 29.2	1.872	2.797	9.4	20.7
4 11	14 18.79	−12 46.8	1.832	2.811	5.4	20.5
4 21	14 9.56	−11 58.4	1.820	2.824	1.2	20.2
5 1	14 0.20	−11 8.8	1.836	2.836	3.2	20.4
5 11	13 51.68	−10 23.4	1.881	2.847	7.3	20.7
5 21	13 44.77	− 9 46.9	1.951	2.858	10.9	20.9
5 31	13 39.98	− 9 22.3	2.044	2.868	14.0	21.1

63048 2000 WU_{94} 4 23.9 170°.38 3°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.06	− 1 6.7	2.680	3.536	9.5	19.9
4 1	14 23.55	− 0 38.6	2.610	3.538	7.0	19.7
4 11	14 16.72	− 0 11.9	2.568	3.540	4.6	19.6
4 21	14 9.09	+ 0 10.0	2.553	3.541	3.5	19.5
5 1	14 1.31	+ 0 23.9	2.568	3.543	4.9	19.6
5 11	13 54.05	+ 0 27.4	2.611	3.544	7.3	19.8
5 21	13 47.85	+ 0 19.5	2.680	3.544	9.8	19.9
5 31	13 43.14	− 0 0.2	2.772	3.545	12.0	20.1

67927 2000 WB_{120} 4 23.9 257°.42 3°.5/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.90	−22 58.3	1.686	2.516	15.4	19.4
4 1	14 27.51	−22 58.9	1.593	2.501	12.0	19.1
4 11	14 19.56	−22 41.2	1.522	2.485	8.1	18.9
4 21	14 9.82	−22 5.2	1.475	2.469	4.4	18.6
5 1	13 59.45	−21 13.6	1.455	2.453	4.2	18.5
5 11	13 49.78	−20 12.8	1.461	2.436	8.0	18.7
5 21	13 41.93	−19 10.7	1.492	2.419	12.3	18.9
5 31	13 36.70	−18 14.9	1.545	2.402	16.2	19.1

69275 Wiesenthal 4 23.9 209°.30 3°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 29.73	− 3 47.8	2.571	3.427	9.9	20.0
4 1	14 24.16	− 3 7.6	2.491	3.420	7.2	19.8
4 11	14 17.13	− 2 26.3	2.437	3.413	4.6	19.6
4 21	14 9.19	− 1 47.7	2.412	3.405	3.1	19.5
5 1	14 1.04	− 1 15.7	2.417	3.397	4.7	19.6
5 11	13 53.38	− 0 53.6	2.450	3.388	7.4	19.7
5 21	13 46.82	− 0 43.6	2.508	3.378	10.2	19.9
5 31	13 41.83	− 0 46.5	2.590	3.368	12.6	20.1

345563 2006 RY_{74} 4 23.9 120°.77 0°.2/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.47	−14 5.7	2.522	3.365	10.5	22.2
4 1	14 23.21	−13 39.7	2.454	3.377	7.6	22.0
4 11	14 16.54	−13 6.3	2.411	3.389	4.4	21.8
4 21	14 9.05	−12 28.3	2.396	3.400	1.0	21.6
5 1	14 1.43	−11 49.0	2.411	3.411	2.5	21.7
5 11	13 54.41	−11 12.3	2.455	3.422	5.8	22.0
5 21	13 48.54	−10 41.6	2.526	3.432	8.8	22.2
5 31	13 44.26	−10 19.5	2.620	3.442	11.3	22.4

286126 2001 TD_{155} 4 23.9 66°.29 0°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.11	−17 0.5	2.127	2.973	12.0	20.5
4 1	14 22.49	−16 20.7	2.057	2.980	8.9	20.3
4 11	14 16.23	−15 29.4	2.011	2.987	5.2	20.1
4 21	14 8.99	−14 29.9	1.992	2.995	1.4	19.9
5 1	14 1.59	−13 27.1	2.001	3.003	2.6	20.0
5 11	13 54.87	−12 26.5	2.039	3.010	6.4	20.2
5 21	13 49.48	−11 33.0	2.102	3.018	9.8	20.5
5 31	13 45.91	−10 50.7	2.189	3.026	12.8	20.7

195208 2002 DZ_{3} 4 23.9 97°.74 13°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 41.61	+23 53.0	1.736	2.540	16.1	19.2
4 1	14 32.83	+25 2.2	1.722	2.570	14.5	19.1
4 11	14 22.01	+25 44.5	1.730	2.599	13.5	19.1
4 21	14 10.25	+25 53.4	1.760	2.627	13.6	19.2
5 1	13 58.82	+25 26.5	1.813	2.654	14.5	19.3
5 11	13 48.83	+24 26.3	1.888	2.681	16.0	19.5
5 21	13 41.01	+22 58.6	1.981	2.706	17.5	19.7
5 31	13 35.76	+21 10.2	2.091	2.731	18.9	19.8

267044 1998 HN_{118} 4 23.9 347°.29 9°.5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 23.65	+ 4 7.4	1.287	2.181	15.1	19.5
4 1	14 20.81	+ 6 3.9	1.231	2.170	12.0	19.3
4 11	14 15.60	+ 7 55.5	1.197	2.161	9.8	19.1
4 21	14 8.89	+ 9 30.0	1.186	2.153	9.9	19.1
5 1	14 1.83	+10 36.4	1.198	2.146	12.2	19.2
5 11	13 55.67	+11 8.5	1.231	2.141	15.5	19.4
5 21	13 51.35	+11 5.3	1.282	2.136	18.9	19.6
5 31	13 49.52	+10 29.7	1.348	2.133	21.8	19.8

245286 2005 CV_{10} 4 23.9 13°.32 3°.3/25.6 17

3 22	14 31.46	−19 7.5	1.141	2.008	18.7	19.9
4 1	14 27.01	−19 39.6	1.081	2.011	14.3	19.6
4 11	14 19.45	−19 54.7	1.040	2.015	9.2	19.3
4 21	14 9.82	−19 52.6	1.021	2.020	4.3	19.1
5 1	13 59.69	−19 36.4	1.025	2.026	4.6	19.1
5 11	13 50.77	−19 12.6	1.052	2.033	9.5	19.4
5 21	13 44.34	−18 48.9	1.101	2.041	14.4	19.7
5 31	13 41.17	−18 32.2	1.169	2.050	18.6	20.0

255715 2006 QK_{117} 4 23.9 232°.48 0°.7/24.5 17

3 22	14 32.47	−16 47.1	1.918	2.760	13.3	21.4
4 1	14 26.78	−16 25.6	1.828	2.749	9.9	21.1
4 11	14 18.95	−15 51.5	1.761	2.736	6.0	20.9
4 21	14 9.68	−15 7.3	1.721	2.724	1.7	20.6
5 1	13 59.97	−14 16.9	1.709	2.710	3.0	20.6
5 11	13 50.90	−13 26.3	1.725	2.696	7.4	20.9
5 21	13 43.37	−12 41.1	1.767	2.682	11.4	21.1
5 31	13 38.07	−12 6.2	1.831	2.666	14.9	21.3

253902 2004 BC_{124} 4 23.9 22°.89 3°.2/21.9 18

3 22	14 32.18	− 6 31.0	1.436	2.310	15.0	19.9
4 1	14 26.83	− 6 5.3	1.373	2.313	11.0	19.7
4 11	14 19.02	− 5 36.3	1.333	2.315	6.5	19.4
4 21	14 9.69	− 5 9.1	1.318	2.318	3.3	19.2
5 1	14 0.04	− 4 49.3	1.329	2.321	5.7	19.4
5 11	13 51.38	− 4 41.9	1.364	2.325	10.1	19.7
5 21	13 44.69	− 4 49.5	1.423	2.328	14.3	19.9
5 31	13 40.61	− 5 13.0	1.500	2.332	17.8	20.1

338835 2003 WV_{127} 4 23.9 151°.15 4°.4/19.7 17

3 22	14 30.82	+ 1 15.7	2.555	3.409	10.0	21.0
4 1	14 24.84	+ 1 52.3	2.494	3.417	7.5	20.9
4 11	14 17.47	+ 2 25.7	2.459	3.425	5.2	20.8
4 21	14 9.29	+ 2 52.1	2.452	3.433	4.4	20.7
5 1	14 1.00	+ 3 8.1	2.475	3.440	5.7	20.8
5 11	13 53.31	+ 3 11.4	2.525	3.446	8.1	21.0
5 21	13 46.79	+ 3 1.1	2.601	3.452	10.5	21.1
5 31	13 41.85	+ 2 37.4	2.699	3.457	12.7	21.3

175829 1999 TW_{98} 4 23.9 259°.89 3°.4/21.1 17

3 22	14 31.87	− 6 44.5	1.828	2.692	12.9	21.1
4 1	14 26.44	− 5 46.4	1.735	2.669	9.4	20.9
4 11	14 18.81	− 4 41.7	1.666	2.645	5.8	20.6
4 21	14 9.67	− 3 36.0	1.623	2.621	3.4	20.4
5 1	13 59.99	− 2 36.1	1.609	2.596	5.8	20.5
5 11	13 50.87	− 1 48.5	1.622	2.570	9.8	20.6
5 21	13 43.26	− 1 17.8	1.659	2.543	13.7	20.8
5 31	13 37.87	− 1 6.4	1.715	2.516	17.2	21.0

153896 2001 XT_{206} 4 23.9 248°.64 0°.7/23.3 18

3 22	14 30.79	−13 30.6	2.164	3.011	11.8	20.6
4 1	14 25.36	−12 49.2	2.065	2.991	8.7	20.3
4 11	14 18.05	−11 57.7	1.992	2.971	5.0	20.1
4 21	14 9.47	−10 59.3	1.946	2.949	1.2	19.8
5 1	14 0.47	− 9 58.8	1.929	2.927	3.3	19.9
5 11	13 51.98	− 9 1.8	1.941	2.905	7.3	20.1
5 21	13 44.79	− 8 13.3	1.979	2.881	11.0	20.3
5 31	13 39.52	− 7 37.5	2.039	2.857	14.3	20.4

367347 2008 ER_{55} 4 23.9 273°.59 4°.7/27.1 17

3 22	14 32.91	−25 2.4	1.627	2.451	16.1	21.1
4 1	14 27.58	−25 23.3	1.543	2.444	12.8	20.8
4 11	14 19.62	−25 25.2	1.480	2.436	9.0	20.6
4 21	14 9.87	−25 6.9	1.441	2.429	5.6	20.4
5 1	13 59.54	−24 30.3	1.428	2.422	5.1	20.3
5 11	13 50.01	−23 41.1	1.441	2.415	8.2	20.5
5 21	13 42.41	−22 47.0	1.478	2.407	12.2	20.7
5 31	13 37.54	−21 55.9	1.536	2.400	15.9	20.9

361108 2006 DZ_{198} 4 23.9 51°.90 3°.1/22.3 18

3 22	14 33.98	− 7 31.0	1.198	2.079	17.0	20.7
4 1	14 28.36	− 7 7.0	1.149	2.091	12.3	20.4
4 11	14 19.95	− 6 38.4	1.121	2.104	7.2	20.2
4 21	14 9.89	− 6 10.9	1.116	2.118	3.2	20.0
5 1	13 59.66	− 5 50.9	1.137	2.132	5.8	20.2
5 11	13 50.73	− 5 43.7	1.181	2.146	10.7	20.5
5 21	13 44.16	− 5 52.1	1.247	2.160	15.2	20.8
5 31	13 40.55	− 6 16.9	1.331	2.175	19.0	21.1

64739 2001 XN_{144} 4 23.9 82°.92 1°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 24.69	−10 2.0	3.148	3.999	8.4	20.0
4 1	14 20.24	− 9 30.9	3.085	4.014	6.0	19.8
4 11	14 14.74	− 8 56.1	3.049	4.029	3.4	19.7
4 21	14 8.66	− 8 20.3	3.042	4.044	1.2	19.5
5 1	14 2.50	− 7 46.3	3.064	4.059	2.6	19.7
5 11	13 56.79	− 7 16.8	3.116	4.074	5.1	19.8
5 21	13 51.95	− 6 54.1	3.195	4.089	7.5	20.0
5 31	13 48.31	− 6 39.8	3.297	4.104	9.6	20.2

466084 2012 BK_{24} 4 23.9 128°.00 1°.7/22.4 18

3 22	14 34.46	−10 5.1	2.122	2.970	12.0	22.8
4 1	14 27.63	− 9 19.1	2.066	2.993	8.6	22.6
4 11	14 19.11	− 8 27.3	2.035	3.014	4.9	22.5
4 21	14 9.66	− 7 34.0	2.033	3.035	1.8	22.3
5 1	14 0.18	− 6 44.0	2.061	3.054	3.8	22.5
5 11	13 51.53	− 6 2.2	2.118	3.073	7.4	22.7
5 21	13 44.41	− 5 31.7	2.200	3.090	10.6	22.9
5 31	13 39.25	− 5 14.6	2.306	3.106	13.3	23.2

508759 2017 UR_{38} 4 23.9 175°.15 2°.1/21.4 18

3 22	14 27.73	− 6 28.6	3.044	3.895	8.6	22.0
4 1	14 22.49	− 5 46.6	2.970	3.898	6.2	21.8
4 11	14 16.09	− 5 2.3	2.923	3.900	3.7	21.6
4 21	14 8.99	− 4 18.7	2.905	3.902	2.1	21.5
5 1	14 1.77	− 3 39.3	2.918	3.903	3.5	21.6
5 11	13 54.99	− 3 7.0	2.960	3.904	6.0	21.8
5 21	13 49.13	− 2 44.0	3.029	3.904	8.5	21.9
5 31	13 44.58	− 2 31.7	3.121	3.904	10.6	22.1

242174 2003 HK_{2} 4 23.9 4°.25 13°.1/ 6.9 18

3 22	14 24.04	+20 38.2	1.756	2.600	14.2	18.8
4 1	14 20.59	+23 7.4	1.729	2.600	13.3	18.7
4 11	14 15.26	+25 14.9	1.725	2.601	13.2	18.7
4 21	14 8.82	+26 51.1	1.742	2.603	14.0	18.8
5 1	14 2.21	+27 49.9	1.781	2.605	15.5	18.9
5 11	13 56.38	+28 9.9	1.837	2.608	17.1	19.0
5 21	13 52.08	+27 53.9	1.909	2.612	18.8	19.1
5 31	13 49.80	+27 6.7	1.994	2.617	20.2	19.3

496845 1999 TF_{71} 4 23.9 219°.72 0°.1/23.9 17

3 22	14 32.49	−15 13.9	1.974	2.819	12.9	22.6
4 1	14 26.70	−14 44.5	1.886	2.810	9.5	22.3
4 11	14 18.86	−14 3.9	1.823	2.800	5.6	22.1
4 21	14 9.68	−13 14.9	1.786	2.790	1.3	21.8
5 1	14 0.11	−12 22.0	1.778	2.779	3.1	21.9
5 11	13 51.19	−11 31.0	1.799	2.767	7.4	22.1
5 21	13 43.77	−10 47.2	1.845	2.755	11.3	22.3
5 31	13 38.49	−10 14.9	1.913	2.742	14.7	22.5

489273 2006 SQ_{75} 4 23.9 154°.93 1°.0/22.8 17

3 22	14 27.94	−10 55.6	2.805	3.652	9.4	22.9
4 1	14 22.73	−10 24.1	2.732	3.659	6.8	22.7
4 11	14 16.26	− 9 47.7	2.686	3.665	3.9	22.5
4 21	14 9.04	− 9 9.1	2.668	3.671	1.2	22.3
5 1	14 1.68	− 8 31.6	2.681	3.677	2.8	22.5
5 11	13 54.83	− 7 58.6	2.723	3.682	5.7	22.7
5 21	13 48.99	− 7 32.7	2.791	3.687	8.4	22.8
5 31	13 44.58	− 7 16.1	2.884	3.691	10.8	23.0

185339 2006 VR_{37} 4 23.9 161°.62 3°.4/21.3 17

3 22	14 32.68	− 4 57.4	1.919	2.781	12.4	20.6
4 1	14 26.65	− 4 17.4	1.853	2.786	9.1	20.4
4 11	14 18.71	− 3 35.4	1.812	2.790	5.6	20.2
4 21	14 9.62	− 2 56.2	1.798	2.794	3.4	20.0
5 1	14 0.32	− 2 25.0	1.812	2.797	5.4	20.2
5 11	13 51.80	− 2 5.8	1.853	2.800	8.9	20.4
5 21	13 44.82	− 2 1.0	1.919	2.802	12.2	20.6
5 31	13 39.93	− 2 11.5	2.006	2.804	15.1	20.8

250566 2004 SZ_{33} 4 23.9 278°.48 4°.3/28.3 17

3 22	14 28.60	−28 7.6	2.458	3.251	12.3	20.2
4 1	14 23.66	−28 15.8	2.368	3.246	9.9	20.1
4 11	14 17.00	−28 8.3	2.301	3.241	7.3	19.9
4 21	14 9.24	−27 44.9	2.259	3.237	5.0	19.7
5 1	14 1.16	−27 7.4	2.246	3.232	4.4	19.7
5 11	13 53.63	−26 19.5	2.260	3.227	6.2	19.8
5 21	13 47.37	−25 26.3	2.300	3.222	8.8	19.9
5 31	13 42.92	−24 33.4	2.364	3.217	11.4	20.1

428012 2006 BS_{114} 4 23.9 71°.80 1°.9/22.4 17

3 22	14 29.70	−10 16.4	1.754	2.619	13.3	21.6
4 1	14 24.58	− 9 32.8	1.696	2.631	9.5	21.4
4 11	14 17.53	− 8 42.2	1.661	2.643	5.5	21.2
4 21	14 9.34	− 7 49.6	1.653	2.655	2.0	20.9
5 1	14 1.02	− 7 0.6	1.672	2.667	4.3	21.1
5 11	13 53.55	− 6 20.9	1.717	2.679	8.3	21.4
5 21	13 47.69	− 5 54.2	1.787	2.691	11.9	21.6
5 31	13 43.97	− 5 42.7	1.878	2.703	15.0	21.9

370089 2001 SX_{233} 4 23.9 228°35 1°1/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 31.47	−11 42.9	2.153	3.003	11.7	22.0
4 1	14 25.80	−11 10.1	2.063	2.991	8.6	21.7
4 11	14 18.28	−10 29.7	1.999	2.979	4.9	21.5
4 21	14 9.55	− 9 44.7	1.962	2.966	1.3	21.2
5 1	14 0.46	− 8 59.6	1.955	2.952	3.4	21.3
5 11	13 51.93	− 8 19.4	1.975	2.938	7.3	21.6
5 21	13 44.74	− 7 48.0	2.022	2.923	10.9	21.7
5 31	13 39.48	− 7 28.7	2.091	2.907	14.0	21.9

368415 2002 TG_{234} 4 23.9 284°25 7°7/28.7 18

3 22	14 34.81	−31 11.5	1.707	2.499	16.9	20.7
4 1	14 29.39	−31 58.1	1.600	2.471	14.2	20.5
4 11	14 20.99	−32 23.8	1.513	2.443	11.1	20.2
4 21	14 10.29	−32 24.2	1.448	2.414	8.5	20.0
5 1	13 58.53	−31 57.5	1.409	2.385	7.8	19.9
5 11	13 47.25	−31 7.0	1.395	2.356	9.8	19.9
5 21	13 37.89	−30 0.4	1.404	2.327	13.2	20.0
5 31	13 31.50	−28 47.9	1.435	2.297	16.9	20.2

523035 2016 PA_{126} 4 23.9 322°12 2°5/26.4 17

3 22	14 27.09	−22 47.2	2.165	2.990	12.6	20.7
4 1	14 22.65	−22 28.1	2.079	2.985	9.7	20.5
4 11	14 16.45	−21 53.9	2.017	2.981	6.4	20.3
4 21	14 9.13	−21 5.9	1.981	2.976	3.3	20.1
5 1	14 1.53	−20 7.6	1.972	2.972	3.1	20.1
5 11	13 54.54	−19 4.6	1.992	2.967	6.2	20.2
5 21	13 48.88	−18 2.6	2.038	2.963	9.6	20.4
5 31	13 45.11	−17 7.0	2.107	2.959	12.6	20.6

55749 Eulenspiegel 4 23.9 68°32 1°9/22.1 18

3 22	14 27.81	− 9 1.7	2.155	3.016	11.3	18.4
4 1	14 22.89	− 8 19.8	2.098	3.031	8.1	18.2
4 11	14 16.44	− 7 33.4	2.066	3.047	4.7	18.0
4 21	14 9.10	− 6 46.6	2.061	3.062	2.0	17.8
5 1	14 1.67	− 6 3.8	2.085	3.078	3.9	18.0
5 11	13 54.93	− 5 29.4	2.136	3.093	7.2	18.2
5 21	13 49.50	− 5 6.2	2.213	3.109	10.3	18.4
5 31	13 45.81	− 4 55.9	2.312	3.124	13.0	18.7

306885 2001 TO_{50} 4 23.9 246°36 3°4/25.9 17

3 22	14 37.56	−20 51.4	1.959	2.779	13.9	21.2
4 1	14 30.71	−21 32.7	1.864	2.766	10.8	20.9
4 11	14 21.40	−22 2.7	1.791	2.753	7.3	20.7
4 21	14 10.33	−22 20.0	1.746	2.739	4.0	20.5
5 1	13 58.59	−22 24.8	1.729	2.725	4.1	20.4
5 11	13 47.39	−22 19.8	1.741	2.710	7.5	20.6
5 21	13 37.83	−22 9.7	1.778	2.695	11.2	20.8
5 31	13 30.71	−21 59.8	1.839	2.680	14.6	21.0

55905 1998 DD_{3} 4 23.9 103°61 3°3/27.3 18

3 22	14 30.99	−25 18.1	2.457	3.259	12.0	20.0
4 1	14 25.18	−25 18.8	2.389	3.278	9.4	19.9
4 11	14 17.76	−25 5.2	2.345	3.296	6.5	19.7
4 21	14 9.41	−24 38.0	2.328	3.314	4.0	19.6
5 1	14 0.93	−23 59.8	2.339	3.332	3.5	19.6
5 11	13 53.13	−23 14.7	2.379	3.349	5.7	19.8
5 21	13 46.67	−22 27.5	2.446	3.366	8.4	20.0
5 31	13 42.01	−21 43.0	2.538	3.383	11.0	20.2

247880 2003 UW_{162} 4 23.9 210°33 1°3/22.9 16

3 22	14 33.32	−11 10.7	1.918	2.771	12.8	21.6
4 1	14 27.30	−10 41.3	1.836	2.765	9.4	21.3
4 11	14 19.21	−10 4.3	1.778	2.758	5.4	21.1
4 21	14 9.79	− 9 23.1	1.748	2.751	1.5	20.8
5 1	14 0.00	− 8 42.5	1.746	2.743	3.8	21.0
5 11	13 50.89	− 8 7.7	1.772	2.734	8.0	21.2
5 21	13 43.34	− 7 42.9	1.823	2.725	11.8	21.4
5 31	13 37.95	− 7 31.0	1.896	2.715	15.1	21.6

231564 2008 TA_{74} 4 23.9 214°33 0°7/24.5 17

3 22	14 31.26	−15 42.8	2.056	2.899	12.5	20.8
4 1	14 25.71	−15 37.0	1.975	2.897	9.2	20.6
4 11	14 18.25	−15 21.6	1.918	2.894	5.5	20.4
4 21	14 9.56	−14 58.6	1.888	2.891	1.6	20.1
5 1	14 0.56	−14 31.0	1.887	2.888	2.8	20.2
5 11	13 52.19	−14 3.4	1.913	2.885	6.7	20.4
5 21	13 45.27	−13 39.7	1.965	2.881	10.4	20.6
5 31	13 40.36	−13 23.9	2.040	2.878	13.6	20.8

509288 2006 VA_{50} 4 23.9 206°89 0°2/24.1 18

3 22	14 28.16	−15 1.7	3.045	3.879	9.1	23.1
4 1	14 22.91	−14 39.6	2.955	3.873	6.7	22.9
4 11	14 16.41	−14 10.5	2.890	3.866	3.9	22.7
4 21	14 9.12	−13 36.4	2.855	3.858	1.0	22.5
5 1	14 1.62	−12 59.8	2.850	3.850	2.1	22.5
5 11	13 54.53	−12 24.1	2.875	3.842	5.0	22.7
5 21	13 48.38	−11 52.3	2.928	3.833	7.8	22.9
5 31	13 43.57	−11 27.0	3.005	3.823	10.1	23.1

95967 2004 LZ_{3} 4 23.9 272°63 9°8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 27.26	+19 53.7	2.547	3.370	11.0	19.5
4 1	14 22.56	+21 37.4	2.486	3.348	10.1	19.4
4 11	14 16.33	+23 8.0	2.450	3.325	9.8	19.3
4 21	14 9.12	+24 18.9	2.438	3.302	10.4	19.3
5 1	14 1.62	+25 5.0	2.450	3.279	11.6	19.3
5 11	13 54.59	+25 23.8	2.484	3.255	13.2	19.4
5 21	13 48.67	+25 15.8	2.536	3.232	14.8	19.5
5 31	13 44.36	+24 43.2	2.603	3.208	16.2	19.6

417999 2007 TG_{400} 4 23.9 278°46 5°6/19.8 18

3 22	14 33.38	− 2 25.0	1.618	2.487	13.9	21.5
4 1	14 27.94	− 1 16.6	1.520	2.455	10.5	21.2
4 11	14 19.93	− 0 4.0	1.446	2.421	7.1	20.9
4 21	14 10.04	+ 1 5.5	1.397	2.386	5.6	20.8
5 1	13 59.36	+ 2 3.2	1.376	2.351	8.1	20.8
5 11	13 49.18	+ 2 41.8	1.379	2.315	12.2	21.0
5 21	13 40.66	+ 2 56.7	1.405	2.278	16.5	21.1
5 31	13 34.66	+ 2 46.7	1.449	2.241	20.3	21.3

325012 2008 BN_{52} 4 23.9 8°30 4°9/20.9 17

3 22	14 29.77	− 3 55.4	1.273	2.160	15.8	20.3
4 1	14 25.29	− 3 10.0	1.216	2.160	11.6	20.0
4 11	14 18.24	− 2 23.2	1.180	2.162	7.3	19.8
4 21	14 9.59	− 1 42.4	1.168	2.164	4.9	19.6
5 1	14 0.62	− 1 14.9	1.180	2.167	7.4	19.8
5 11	13 52.71	− 1 6.2	1.216	2.170	11.7	20.0
5 21	13 46.87	− 1 18.3	1.272	2.175	15.8	20.3
5 31	13 43.75	− 1 50.8	1.347	2.180	19.4	20.5

72721 2001 FX_{91} 4 23.9 57°52 1°3/24.8 18

3 22	14 33.96	−15 49.8	1.840	2.684	13.7	19.4
4 1	14 27.84	−16 10.7	1.768	2.689	10.2	19.1
4 11	14 19.55	−16 22.5	1.720	2.694	6.2	18.9
4 21	14 9.88	−16 25.9	1.697	2.699	2.1	18.7
5 1	13 59.88	−16 23.1	1.703	2.704	3.0	18.7
5 11	13 50.66	−16 17.8	1.737	2.710	7.2	19.0
5 21	13 43.12	−16 13.7	1.796	2.715	11.0	19.2
5 31	13 37.88	−16 14.8	1.877	2.720	14.3	19.4

304673 2006 WP_{95} 4 23.9 203°99 0°8/23.1 18

3 22	14 27.79	−11 42.6	2.740	3.587	9.6	22.2
4 1	14 22.74	−11 11.4	2.657	3.583	7.0	22.0
4 11	14 16.35	−10 34.3	2.599	3.578	4.0	21.8
4 21	14 9.12	− 9 54.1	2.570	3.574	1.1	21.6
5 1	14 1.69	− 9 14.1	2.571	3.568	2.7	21.7
5 11	13 54.73	− 8 38.0	2.601	3.563	5.8	21.9
5 21	13 48.78	− 8 8.8	2.658	3.557	8.7	22.1
5 31	13 44.29	− 7 48.9	2.739	3.550	11.2	22.2

162422 2000 EV_{70} 4 23.9 102°30 2°3/23.2 16

3 22	15 31.88	−15 30.6	0.569	1.414	34.2	21.5
4 1	15 10.02	−13 52.7	0.555	1.479	24.4	21.3
4 11	14 43.00	−11 49.6	0.559	1.537	13.5	21.1
4 21	14 14.83	− 9 37.4	0.587	1.591	3.3	20.8
5 1	13 49.92	− 7 39.5	0.641	1.639	8.0	21.3
5 11	13 31.09	− 6 13.7	0.719	1.681	16.0	21.9
5 21	13 18.94	− 5 24.9	0.815	1.719	22.2	22.4
5 31	13 12.85	− 5 9.8	0.927	1.752	26.7	22.9

411691 2011 YG_{37} 4 23.9 96°08 4°6/20.6 18

3 22	14 31.67	− 4 13.1	1.525	2.400	14.3	20.6
4 1	14 26.26	− 3 13.2	1.469	2.408	10.5	20.4
4 11	14 18.63	− 2 11.4	1.436	2.415	6.6	20.2
4 21	14 9.66	− 1 14.7	1.429	2.423	4.6	20.1
5 1	14 0.51	− 0 30.1	1.448	2.430	6.8	20.2
5 11	13 52.34	− 0 3.2	1.492	2.438	10.7	20.5
5 21	13 46.02	+ 0 3.9	1.558	2.445	14.4	20.7
5 31	13 42.11	− 0 9.2	1.644	2.452	17.5	20.9

327720 2006 ST_{154} 4 23.9 199°69 1°8/22.5 16

3 22	14 33.40	− 8 57.2	2.250	3.099	11.3	22.4
4 1	14 27.07	− 8 27.9	2.167	3.095	8.2	22.2
4 11	14 18.98	− 7 53.8	2.110	3.090	4.8	22.0
4 21	14 9.76	− 7 18.1	2.082	3.084	1.9	21.8
5 1	14 0.25	− 6 44.9	2.083	3.077	3.8	21.9
5 11	13 51.34	− 6 18.2	2.113	3.069	7.3	22.1
5 21	13 43.76	− 6 1.2	2.170	3.061	10.7	22.3
5 31	13 38.06	− 5 56.0	2.249	3.051	13.6	22.5

318499 2005 EL_{145} 4 23.9 113°29 1°5/25.0 18

3 22	14 36.08	−17 54.8	1.758	2.595	14.5	21.9
4 1	14 29.30	−17 51.6	1.697	2.614	10.8	21.7
4 11	14 20.33	−17 35.5	1.660	2.632	6.6	21.5
4 21	14 10.06	−17 8.6	1.649	2.650	2.4	21.3
5 1	13 59.63	−16 34.4	1.666	2.667	3.1	21.4
5 11	13 50.20	−15 58.5	1.710	2.683	7.3	21.6
5 21	13 42.64	−15 26.4	1.781	2.699	11.2	21.9
5 31	13 37.51	−15 2.4	1.873	2.714	14.4	22.1

301511 Hubinon 4 23.9 201°.32 3°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 29.38	− 3 7.9	2.309	3.170	10.6	20.9
4 1	14 24.05	− 2 36.6	2.238	3.169	7.8	20.7
4 11	14 17.16	− 2 5.3	2.192	3.168	4.9	20.5
4 21	14 9.33	− 1 37.8	2.174	3.166	3.4	20.4
5 1	14 1.29	− 1 18.0	2.184	3.165	5.0	20.5
5 11	13 53.82	− 1 8.9	2.222	3.164	7.9	20.7
5 21	13 47.58	− 1 12.3	2.285	3.162	10.8	20.9
5 31	13 43.03	− 1 28.7	2.370	3.160	13.3	21.0

238850 2005 UL_{530} 4 23.9 224°.95 3°.1/21.2 17 R

3 22	14 29.32	− 6 16.1	2.010	2.875	11.8	20.7
4 1	14 24.25	− 5 23.7	1.935	2.870	8.6	20.5
4 11	14 17.38	− 4 27.3	1.885	2.865	5.2	20.3
4 21	14 9.39	− 3 32.0	1.862	2.859	3.1	20.1
5 1	14 1.13	− 2 43.3	1.867	2.853	5.1	20.3
5 11	13 53.51	− 2 6.2	1.900	2.848	8.6	20.5
5 21	13 47.27	− 1 44.0	1.956	2.841	12.0	20.6
5 31	13 42.95	− 1 38.1	2.034	2.835	14.9	20.8

46884 1998 RY_{16} 4 23.9 196°.36 1°.7/22.5 18 R

3 22	14 32.12	−10 0.3	2.099	2.952	11.9	19.8
4 1	14 26.24	− 9 21.2	2.020	2.949	8.6	19.6
4 11	14 18.52	− 8 35.7	1.966	2.946	5.0	19.3
4 21	14 9.65	− 7 47.6	1.940	2.942	1.8	19.1
5 1	14 0.51	− 7 1.6	1.943	2.937	3.9	19.2
5 11	13 52.01	− 6 22.8	1.974	2.932	7.6	19.5
5 21	13 44.92	− 5 54.8	2.031	2.926	11.1	19.7
5 31	13 39.79	− 5 40.1	2.110	2.919	14.1	19.9

463084 2011 SU_{90} 4 23.9 167°.18 0°.2/24.1 16

3 22	14 33.66	−16 8.2	1.849	2.692	13.7	22.8
4 1	14 27.54	−15 30.2	1.775	2.698	10.1	22.6
4 11	14 19.33	−14 39.7	1.726	2.703	5.9	22.3
4 21	14 9.84	−13 39.9	1.703	2.706	1.4	22.0
5 1	14 0.10	−12 36.4	1.709	2.710	3.1	22.1
5 11	13 51.20	−11 35.6	1.743	2.712	7.5	22.4
5 21	13 43.98	−10 43.5	1.803	2.713	11.5	22.7
5 31	13 39.01	−10 4.3	1.884	2.714	14.8	22.9

205880 2002 EU_{142} 4 23.9 267°.93 1°.5/22.9 17

3 22	14 32.18	−11 7.9	1.486	2.353	15.1	20.5
4 1	14 26.98	−10 38.3	1.410	2.346	11.0	20.2
4 11	14 19.25	− 9 59.5	1.357	2.339	6.4	19.9
4 21	14 9.86	− 9 15.8	1.329	2.332	1.9	19.6
5 1	14 0.01	− 8 33.2	1.327	2.325	4.5	19.7
5 11	13 51.00	− 7 58.4	1.351	2.318	9.4	20.0
5 21	13 43.91	− 7 36.4	1.398	2.311	14.0	20.2
5 31	13 39.45	− 7 30.5	1.464	2.304	17.8	20.5

501604 2014 QQ_{336} 4 23.9 218°.82 2°.5/21.9 17

3 22	14 33.15	− 8 30.6	1.927	2.784	12.6	22.3
4 1	14 27.19	− 7 40.4	1.843	2.774	9.2	22.1
4 11	14 19.18	− 6 43.6	1.784	2.764	5.4	21.8
4 21	14 9.83	− 5 44.9	1.752	2.752	2.6	21.6
5 1	14 0.10	− 4 50.3	1.749	2.740	4.8	21.7
5 11	13 51.02	− 4 5.4	1.774	2.726	8.7	21.9
5 21	13 43.46	− 3 34.5	1.823	2.712	12.5	22.1
5 31	13 38.04	− 3 20.1	1.894	2.697	15.7	22.3

43996 1997 QH 4 23.9 229°.25 0°.1/23.9 18

3 22	14 28.93	−14 34.8	2.221	3.068	11.5	19.8
4 1	14 23.89	−14 5.4	2.136	3.062	8.5	19.6
4 11	14 17.16	−13 26.8	2.077	3.055	4.9	19.3
4 21	14 9.35	−12 41.7	2.045	3.049	1.1	19.0
5 1	14 1.25	−11 54.3	2.042	3.042	2.8	19.2
5 11	13 53.73	−11 9.2	2.067	3.035	6.6	19.4
5 21	13 47.48	−10 31.0	2.118	3.028	10.0	19.6
5 31	13 43.05	−10 2.9	2.192	3.021	13.0	19.8

58110 1980 UF_{1} 4 23.9 234°.23 2°.7/25.7 18

3 22	14 36.18	−20 0.9	1.735	2.567	14.9	19.7
4 1	14 29.88	−20 15.4	1.644	2.555	11.5	19.4
4 11	14 20.99	−20 16.0	1.576	2.543	7.5	19.2
4 21	14 10.29	−20 2.4	1.533	2.531	3.5	18.9
5 1	13 58.96	−19 36.8	1.518	2.518	3.8	18.9
5 11	13 48.32	−19 4.2	1.531	2.504	7.9	19.1
5 21	13 39.49	−18 30.6	1.568	2.490	12.2	19.3
5 31	13 33.28	−18 2.2	1.627	2.475	15.9	19.5

174666 2003 SR_{230} 4 23.9 218°.98 3°.7/20.9 16

3 22	14 31.78	− 5 53.3	1.802	2.668	12.9	21.1
4 1	14 26.25	− 4 51.5	1.726	2.661	9.5	20.8
4 11	14 18.64	− 3 45.0	1.674	2.653	5.8	20.6
4 21	14 9.70	− 2 39.7	1.649	2.644	3.7	20.4
5 1	14 0.42	− 1 42.5	1.651	2.635	5.9	20.6
5 11	13 51.86	− 0 59.2	1.680	2.626	9.7	20.8
5 21	13 44.88	− 0 33.6	1.734	2.616	13.4	21.0
5 31	13 40.09	− 0 27.2	1.807	2.605	16.6	21.2

8022 Scottcrossfield 4 23.9 300°.96 2°.0/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 33.33	−18 39.4	1.436	2.287	16.4	17.4
4 1	14 27.95	−18 39.2	1.363	2.287	12.4	17.1
4 11	14 19.87	−18 23.2	1.312	2.287	7.8	16.8
4 21	14 10.02	−17 52.7	1.285	2.286	3.0	16.5
5 1	13 59.70	−17 12.1	1.284	2.286	3.7	16.6
5 11	13 50.35	−16 28.1	1.309	2.286	8.5	16.9
5 21	13 43.10	−15 48.0	1.357	2.285	13.1	17.1
5 31	13 38.67	−15 17.9	1.425	2.285	17.1	17.4

506254 2016 PA_{35} 4 23.9 110°.65 3°.6/20.6 17

3 22	14 28.72	− 2 14.9	2.350	3.211	10.5	21.4
4 1	14 23.51	− 1 39.2	2.286	3.217	7.7	21.2
4 11	14 16.82	− 1 4.0	2.247	3.222	5.0	21.0
4 21	14 9.25	− 0 33.6	2.236	3.227	3.6	20.9
5 1	14 1.54	− 0 11.6	2.254	3.232	5.2	21.0
5 11	13 54.42	− 0 1.2	2.299	3.237	7.9	21.2
5 21	13 48.51	− 0 3.6	2.369	3.241	10.6	21.4
5 31	13 44.24	− 0 19.3	2.461	3.246	13.0	21.6

379285 2009 VB_{10} 4 23.9 187°.52 0°.6/24.6 17

3 22	14 31.79	−16 31.9	2.530	3.360	10.8	22.5
4 1	14 25.77	−16 12.4	2.444	3.360	8.0	22.3
4 11	14 18.17	−15 43.8	2.385	3.358	4.8	22.1
4 21	14 9.58	−15 7.8	2.354	3.356	1.4	21.9
5 1	14 0.75	−14 27.7	2.353	3.353	2.4	22.0
5 11	13 52.47	−13 47.5	2.381	3.350	5.8	22.2
5 21	13 45.40	−13 11.1	2.437	3.345	9.0	22.4
5 31	13 40.03	−12 42.1	2.517	3.340	11.7	22.5

322262 2011 EP_{9} 4 23.9 352°.48 1°.2/24.8 17

3 22	14 29.79	−17 19.1	1.645	2.498	14.6	21.1
4 1	14 25.04	−17 6.9	1.570	2.496	10.9	20.8
4 11	14 18.04	−16 41.3	1.518	2.495	6.6	20.6
4 21	14 9.58	−16 4.6	1.491	2.493	2.2	20.3
5 1	14 0.77	−15 21.2	1.491	2.493	3.2	20.4
5 11	13 52.75	−14 37.2	1.516	2.492	7.7	20.6
5 21	13 46.48	−13 58.8	1.566	2.492	11.9	20.9
5 31	13 42.59	−13 30.7	1.637	2.492	15.5	21.1

170083 2002 WF_{16} 4 23.9 110°.84 4°.7/19.2 17

3 22	14 28.01	− 0 8.2	2.246	3.111	10.7	20.2
4 1	14 23.01	+ 0 54.3	2.190	3.120	8.0	20.0
4 11	14 16.53	+ 1 54.9	2.160	3.130	5.6	19.9
4 21	14 9.19	+ 2 48.3	2.157	3.139	4.8	19.9
5 1	14 1.74	+ 3 29.8	2.182	3.148	6.3	20.0
5 11	13 54.94	+ 3 55.9	2.234	3.156	8.9	20.1
5 21	13 49.38	+ 4 5.1	2.310	3.165	11.5	20.3
5 31	13 45.48	+ 3 57.5	2.407	3.173	13.8	20.5

105839 2000 SC_{154} 4 23.9 256°.99 0°.3/23.7 18

3 22	14 28.35	−13 44.4	2.661	3.503	10.0	20.7
4 1	14 23.31	−13 16.9	2.559	3.483	7.3	20.5
4 11	14 16.79	−12 41.7	2.484	3.462	4.3	20.3
4 21	14 9.28	−12 1.2	2.437	3.441	1.0	20.0
5 1	14 1.45	−11 18.7	2.420	3.419	2.5	20.1
5 11	13 54.02	−10 38.1	2.432	3.397	5.9	20.3
5 21	13 47.60	−10 3.1	2.471	3.375	9.0	20.4
5 31	13 42.71	− 9 36.7	2.534	3.352	11.8	20.6

214598 2006 QX_{148} 4 23.9 322°.66 1°.0/23.4 17

3 22	14 30.03	−11 41.3	1.243	2.123	16.6	19.9
4 1	14 25.97	−11 32.5	1.163	2.104	12.3	19.6
4 11	14 18.97	−11 13.9	1.103	2.087	7.2	19.2
4 21	14 9.87	−10 48.9	1.066	2.070	1.8	18.8
5 1	14 0.01	−10 23.1	1.053	2.053	4.6	19.0
5 11	13 50.96	−10 3.2	1.063	2.038	10.3	19.2
5 21	13 44.04	− 9 55.0	1.095	2.023	15.6	19.5
5 31	13 40.16	−10 2.3	1.145	2.010	20.1	19.7

387401 2013 QC_{48} 4 23.9 308°.27 2°.9/25.6 17

3 22	14 32.06	−19 9.3	1.418	2.271	16.5	20.7
4 1	14 27.37	−19 31.1	1.328	2.251	12.7	20.4
4 11	14 19.78	−19 38.3	1.259	2.232	8.2	20.1
4 21	14 10.07	−19 30.7	1.213	2.212	3.8	19.8
5 1	13 59.51	−19 10.2	1.193	2.193	4.2	19.8
5 11	13 49.63	−18 42.2	1.197	2.175	9.0	20.0
5 21	13 41.76	−18 13.7	1.224	2.157	13.9	20.2
5 31	13 36.86	−17 51.7	1.270	2.139	18.2	20.4

202840 2008 SG_{235} 4 23.9 140°.74 0°.1/23.9 18

3 22	14 35.83	−14 2.8	1.497	2.353	15.6	21.5
4 1	14 29.53	−13 50.9	1.431	2.360	11.5	21.2
4 11	14 20.67	−13 27.9	1.387	2.366	6.7	21.0
4 21	14 10.20	−12 57.0	1.369	2.373	1.6	20.7
5 1	13 59.42	−12 22.8	1.377	2.378	3.7	20.8
5 11	13 49.66	−11 51.6	1.412	2.384	8.7	21.1
5 21	13 41.97	−11 28.7	1.471	2.389	13.1	21.4
5 31	13 37.00	−11 17.9	1.551	2.393	16.8	21.6

107031 2000 YL_{123} 4 23.9 128°.91 0°.7/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 33.92	−17 6.5	1.826	2.667	13.9	20.1
4 1	14 27.69	−16 40.3	1.761	2.682	10.3	19.9
4 11	14 19.39	−16 1.4	1.720	2.696	6.1	19.7
4 21	14 9.88	−15 12.8	1.706	2.709	1.8	19.4
5 1	14 0.21	−14 19.5	1.720	2.722	3.0	19.6
5 11	13 51.45	−13 27.4	1.762	2.734	7.2	19.8
5 21	13 44.41	−12 42.2	1.830	2.745	11.1	20.1
5 31	13 39.65	−12 8.0	1.920	2.756	14.3	20.3

374345 2005 US_{93} 4 23.9 171°.26 1°.5/25.3 17

3 22	14 31.46	−19 21.1	2.125	2.956	12.6	22.6
4 1	14 25.80	−19 0.7	2.046	2.959	9.5	22.4
4 11	14 18.29	−18 27.4	1.991	2.961	5.9	22.2
4 21	14 9.63	−17 43.2	1.963	2.963	2.3	22.0
5 1	14 0.73	−16 51.9	1.964	2.965	2.7	22.0
5 11	13 52.52	−15 58.7	1.993	2.966	6.4	22.2
5 21	13 45.74	−15 9.0	2.049	2.967	9.9	22.5
5 31	13 40.96	−14 27.4	2.128	2.967	13.0	22.7

293299 2007 DT_{25} 4 23.9 310°.08 1°.6/23.1 17

3 22	14 31.00	−11 45.5	1.179	2.059	17.2	21.0
4 1	14 26.72	−11 15.9	1.104	2.047	12.7	20.7
4 11	14 19.40	−10 34.1	1.050	2.035	7.4	20.4
4 21	14 9.98	− 9 44.9	1.019	2.023	2.0	20.0
5 1	13 59.88	− 8 56.0	1.012	2.012	5.1	20.2
5 11	13 50.74	− 8 15.9	1.028	2.001	10.9	20.4
5 21	13 43.87	− 7 51.3	1.065	1.990	16.2	20.7
5 31	13 40.15	− 7 46.4	1.120	1.981	20.7	21.0

169213 2001 RQ_{111} 4 23.9 142°.00 0°.2/24.1 18

3 22	14 29.02	−15 5.8	2.565	3.404	10.4	21.1
4 1	14 23.68	−14 42.0	2.492	3.413	7.6	20.9
4 11	14 16.92	−14 10.4	2.444	3.421	4.5	20.7
4 21	14 9.31	−13 33.2	2.425	3.429	1.1	20.5
5 1	14 1.55	−12 53.8	2.436	3.436	2.4	20.6
5 11	13 54.35	−12 16.0	2.475	3.444	5.6	20.8
5 21	13 48.30	−11 43.3	2.542	3.450	8.6	21.0
5 31	13 43.84	−11 18.7	2.632	3.457	11.2	21.2

299980 2006 TD_{121} 4 23.9 307°.44 6°.8/17.2 17

3 22	14 26.63	+ 3 25.3	1.920	2.792	11.9	20.2
4 1	14 22.46	+ 4 45.8	1.843	2.773	9.3	20.0
4 11	14 16.45	+ 6 3.6	1.791	2.753	7.3	19.8
4 21	14 9.24	+ 7 11.2	1.765	2.733	7.0	19.7
5 1	14 1.67	+ 8 1.8	1.765	2.714	8.8	19.8
5 11	13 54.67	+ 8 30.4	1.789	2.695	11.6	19.9
5 21	13 49.01	+ 8 35.3	1.835	2.677	14.6	20.1
5 31	13 45.27	+ 8 16.8	1.899	2.658	17.2	20.2

155776 2000 SD_{275} 4 23.9 217°.04 1°.7/22.2 18

3 22	14 28.57	−11 48.2	2.098	2.954	11.8	20.5
4 1	14 23.68	−10 35.2	2.017	2.948	8.5	20.3
4 11	14 17.06	− 9 12.4	1.961	2.942	4.9	20.0
4 21	14 9.37	− 7 44.9	1.933	2.935	1.8	19.8
5 1	14 1.42	− 6 19.2	1.935	2.929	4.0	19.9
5 11	13 54.10	− 5 2.1	1.965	2.921	7.8	20.1
5 21	13 48.10	− 3 58.6	2.020	2.913	11.3	20.3
5 31	13 43.95	− 3 12.0	2.098	2.905	14.3	20.5

436000 2009 FE_{46} 4 23.9 40°.86 1°.5/22.8 17

3 22	14 30.76	− 8 48.8	2.053	2.912	11.9	20.6
4 1	14 25.26	− 8 39.4	1.983	2.915	8.6	20.4
4 11	14 17.97	− 8 26.2	1.938	2.918	5.0	20.2
4 21	14 9.58	− 8 12.1	1.919	2.922	1.7	20.0
5 1	14 0.96	− 8 0.4	1.929	2.925	3.7	20.1
5 11	13 53.01	− 7 54.5	1.967	2.929	7.3	20.3
5 21	13 46.47	− 7 56.8	2.030	2.933	10.7	20.6
5 31	13 41.86	− 8 9.1	2.115	2.937	13.7	20.8

306680 2000 UP_{11} 4 23.9 169°.64 9°.6/16.0 18

3 22	14 37.82	+15 47.8	2.136	2.961	12.7	20.9
4 1	14 30.19	+16 47.5	2.087	2.967	10.9	20.7
4 11	14 20.72	+17 32.2	2.062	2.972	9.7	20.7
4 21	14 10.20	+17 55.7	2.063	2.976	9.7	20.7
5 1	13 59.59	+17 53.7	2.090	2.979	10.9	20.8
5 11	13 49.87	+17 25.5	2.141	2.981	12.8	20.9
5 21	13 41.75	+16 33.4	2.215	2.982	14.8	21.0
5 31	13 35.74	+15 21.2	2.307	2.982	16.6	21.2

404171 2013 CV_{81} 4 23.9 313°.71 0°.5/23.6 16

3 22	14 29.46	−15 42.7	1.275	2.147	16.8	21.2
4 1	14 25.31	−14 48.6	1.203	2.141	12.4	20.9
4 11	14 18.43	−13 36.1	1.153	2.135	7.2	20.6
4 21	14 9.74	−12 10.9	1.125	2.129	1.6	20.2
5 1	14 0.58	−10 41.8	1.123	2.124	4.3	20.4
5 11	13 52.42	− 9 19.6	1.146	2.119	9.9	20.7
5 21	13 46.39	− 8 13.1	1.190	2.114	14.9	20.9
5 31	13 43.21	− 7 28.2	1.253	2.110	19.2	21.2

291578 2006 FP_{42} 4 23.9 166°.81 2°.1/22.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 32.39	−10 33.5	1.666	2.528	14.0	21.3
4 1	14 26.77	− 9 39.2	1.598	2.532	10.1	21.1
4 11	14 18.97	− 8 36.1	1.553	2.535	5.8	20.8
4 21	14 9.83	− 7 29.6	1.535	2.537	2.2	20.6
5 1	14 0.42	− 6 26.6	1.545	2.539	4.7	20.8
5 11	13 51.89	− 5 34.0	1.581	2.541	9.0	21.0
5 21	13 45.12	− 4 56.4	1.641	2.542	13.0	21.3
5 31	13 40.68	− 4 36.5	1.722	2.543	16.4	21.5

431853 2008 SO_{72} 4 23.9 259°.57 1°.6/25.2 17

3 22	14 31.44	−18 4.0	1.951	2.790	13.2	21.0
4 1	14 26.03	−18 5.2	1.867	2.784	10.0	20.8
4 11	14 18.57	−17 54.9	1.806	2.779	6.2	20.6
4 21	14 9.75	−17 34.2	1.772	2.773	2.4	20.3
5 1	14 0.54	−17 6.0	1.765	2.767	3.0	20.3
5 11	13 51.97	−16 35.0	1.787	2.760	6.9	20.6
5 21	13 44.92	−16 6.0	1.833	2.754	10.7	20.8
5 31	13 40.03	−15 43.5	1.902	2.748	14.0	21.0

303884 2005 TY_{69} 4 23.9 229°.38 0°.2/24.2 18

3 22	14 26.39	−17 3.8	2.609	3.447	10.3	21.2
4 1	14 21.85	−16 12.1	2.520	3.440	7.6	21.0
4 11	14 15.91	−15 9.6	2.457	3.433	4.5	20.8
4 21	14 9.10	−13 59.4	2.423	3.426	1.1	20.6
5 1	14 2.10	−12 45.8	2.418	3.419	2.3	20.6
5 11	13 55.58	−11 33.9	2.443	3.411	5.7	20.9
5 21	13 50.13	−10 28.3	2.495	3.404	8.8	21.0
5 31	13 46.19	− 9 33.0	2.571	3.396	11.5	21.2

334768 2003 SR_{76} 4 23.9 173°.62 4°.8/29.2 17

3 22	14 31.49	−31 11.9	2.544	3.314	12.5	21.3
4 1	14 25.72	−31 8.8	2.456	3.317	10.2	21.1
4 11	14 18.23	−30 47.9	2.391	3.319	7.7	20.9
4 21	14 9.65	−30 8.9	2.353	3.321	5.5	20.8
5 1	14 0.85	−29 13.7	2.342	3.322	4.8	20.8
5 11	13 52.67	−28 6.9	2.360	3.323	6.2	20.9
5 21	13 45.85	−26 54.3	2.405	3.323	8.6	21.0
5 31	13 40.89	−25 41.9	2.475	3.323	11.1	21.2

431093 2006 DQ_{138} 4 23.9 60°.87 4°.6/27.1 17

3 22	14 34.95	−24 22.4	1.767	2.585	15.3	21.0
4 1	14 28.78	−25 3.6	1.699	2.596	12.0	20.8
4 11	14 20.23	−25 28.5	1.653	2.607	8.5	20.7
4 21	14 10.15	−25 35.9	1.632	2.618	5.4	20.5
5 1	13 59.71	−25 26.8	1.638	2.629	5.0	20.5
5 11	13 50.15	−25 5.6	1.670	2.641	7.7	20.7
5 21	13 42.47	−24 38.1	1.728	2.652	11.1	20.9
5 31	13 37.32	−24 10.8	1.807	2.664	14.2	21.1

431397 Carolinregina 4 23.9 324°.26 0°.6/23.5 17

3 22	14 25.67	−16 8.9	1.517	2.384	14.9	20.7
4 1	14 22.23	−15 0.1	1.435	2.370	10.9	20.4
4 11	14 16.52	−13 33.1	1.375	2.357	6.4	20.1
4 21	14 9.30	−11 53.4	1.340	2.344	1.4	19.8
5 1	14 1.66	−10 9.6	1.331	2.332	4.0	19.9
5 11	13 54.78	− 8 32.0	1.349	2.320	9.0	20.2
5 21	13 49.61	− 7 9.1	1.389	2.309	13.6	20.4
5 31	13 46.84	− 6 7.1	1.450	2.299	17.5	20.6

255621 2006 PX_{22} 4 23.9 215°.70 1°.1/22.9 17

3 22	14 31.67	−12 26.5	2.044	2.895	12.3	21.7
4 1	14 26.04	−11 39.8	1.958	2.886	8.9	21.5
4 11	14 18.51	−10 43.5	1.898	2.878	5.2	21.2
4 21	14 9.75	− 9 41.8	1.865	2.868	1.4	20.9
5 1	14 0.65	− 8 39.8	1.860	2.857	3.6	21.1
5 11	13 52.17	− 7 43.6	1.885	2.846	7.6	21.3
5 21	13 45.12	− 6 57.9	1.934	2.835	11.3	21.5
5 31	13 40.08	− 6 26.3	2.006	2.822	14.5	21.7

82923 2001 QN_{109} 4 23.9 124°.56 5°.2/18.8 18

3 22	14 28.43	+ 1 50.9	2.279	3.142	10.7	19.5
4 1	14 23.34	+ 2 48.1	2.221	3.148	8.1	19.4
4 11	14 16.76	+ 3 42.1	2.189	3.154	5.9	19.3
4 21	14 9.31	+ 4 27.5	2.184	3.160	5.2	19.2
5 1	14 1.73	+ 5 0.0	2.207	3.166	6.7	19.3
5 11	13 54.77	+ 5 16.3	2.256	3.171	9.2	19.5
5 21	13 49.05	+ 5 15.6	2.329	3.177	11.7	19.7
5 31	13 44.99	+ 4 58.3	2.423	3.182	13.9	19.8

17519 Pritsak 4 23.9 338°.97 7°.8/30.2 18

3 22	14 29.55	−33 9.1	1.595	2.389	17.7	16.7
4 1	14 25.36	−33 34.2	1.512	2.383	14.9	16.5
4 11	14 18.49	−33 32.9	1.449	2.376	11.7	16.3
4 21	14 9.78	−33 2.6	1.407	2.371	8.9	16.1
5 1	14 0.53	−32 4.3	1.389	2.365	7.8	16.0
5 11	13 52.16	−30 44.3	1.395	2.361	9.3	16.1
5 21	13 45.82	−29 12.3	1.425	2.357	12.4	16.3
5 31	13 42.30	−27 39.0	1.476	2.353	15.7	16.5

391279 2006 SA_{165} 4 23.9 129°.02 1°.9/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 26.98	− 9 43.6	2.603	3.457	9.8	21.6
4 1	14 22.13	− 8 36.8	2.538	3.468	7.0	21.4
4 11	14 16.00	− 7 24.7	2.499	3.479	4.1	21.3
4 21	14 9.12	− 6 11.6	2.490	3.490	1.9	21.1
5 1	14 2.16	− 5 2.4	2.511	3.501	3.6	21.3
5 11	13 55.75	− 4 1.5	2.561	3.511	6.5	21.5
5 21	13 50.43	− 3 12.3	2.637	3.521	9.3	21.7
5 31	13 46.57	− 2 36.8	2.736	3.531	11.6	21.8

141405 2002 AP_{152} 4 23.9 76°.76 0°.2/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.59	−15 1.1	2.284	3.129	11.3	20.3
4 1	14 23.48	−14 38.6	2.220	3.144	8.3	20.1
4 11	14 16.85	−14 7.7	2.182	3.159	4.8	19.9
4 21	14 9.33	−13 31.0	2.171	3.175	1.2	19.7
5 1	14 1.69	−12 52.3	2.189	3.190	2.5	19.8
5 11	13 54.71	−12 15.8	2.235	3.205	6.0	20.0
5 21	13 49.01	−11 45.1	2.307	3.220	9.2	20.3
5 31	13 45.02	−11 23.2	2.403	3.235	11.9	20.5

83483 2001 SC_{93} 4 23.9 41°.79 0°.5/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.73	−16 2.7	2.016	2.864	12.5	19.9
4 1	14 23.87	−15 42.7	1.943	2.867	9.2	19.6
4 11	14 17.21	−15 12.3	1.894	2.871	5.5	19.4
4 21	14 9.44	−14 34.1	1.872	2.875	1.5	19.2
5 1	14 1.43	−13 52.0	1.877	2.879	2.7	19.3
5 11	13 54.10	−13 11.2	1.910	2.883	6.7	19.5
5 21	13 48.20	−12 36.1	1.969	2.887	10.3	19.7
5 31	13 44.24	−12 10.5	2.050	2.891	13.4	19.9

54091 2000 GD_{179} 4 24.0 199°.15 5°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.23	+ 3 13.2	2.206	3.061	11.3	19.0
4 1	14 26.94	+ 4 0.4	2.136	3.057	8.7	18.9
4 11	14 18.92	+ 4 43.2	2.092	3.053	6.4	18.7
4 21	14 9.84	+ 5 16.6	2.075	3.048	5.7	18.7
5 1	14 0.53	+ 5 35.8	2.086	3.043	7.2	18.7
5 11	13 51.86	+ 5 38.1	2.124	3.036	9.8	18.9
5 21	13 44.54	+ 5 22.7	2.187	3.030	12.5	19.0
5 31	13 39.10	+ 4 50.5	2.270	3.022	14.9	19.2

412676 2014 OW_{211} 4 24.0 191°.34 1°.5/25.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.91	−18 39.1	1.955	2.786	13.5	22.5
4 1	14 28.54	−18 27.0	1.871	2.785	10.2	22.2
4 11	14 20.02	−18 1.8	1.812	2.783	6.3	22.0
4 21	14 10.12	−17 25.1	1.779	2.780	2.4	21.7
5 1	13 59.85	−16 40.4	1.775	2.776	3.0	21.8
5 11	13 50.32	−15 53.2	1.800	2.772	7.0	22.0
5 21	13 42.40	−15 9.2	1.850	2.766	10.9	22.2
5 31	13 36.74	−14 33.5	1.924	2.760	14.3	22.4

338815 2003 WL_{52} 4 24.0 297°.19 1°.3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.85	− 9 26.2	1.843	2.702	13.0	20.4
4 1	14 27.16	− 9 28.5	1.758	2.689	9.6	20.2
4 11	14 19.30	− 9 26.7	1.696	2.676	5.6	19.9
4 21	14 9.97	− 9 23.1	1.661	2.664	1.6	19.6
5 1	14 0.16	− 9 20.9	1.654	2.652	3.8	19.8
5 11	13 50.97	− 9 23.6	1.673	2.639	8.0	20.0
5 21	13 43.33	− 9 33.9	1.718	2.627	12.0	20.2
5 31	13 37.93	− 9 54.0	1.785	2.616	15.5	20.4

109377 2001 QF_{163} 4 24.0 186°.80 3°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.21	− 4 16.1	2.379	3.242	10.3	20.4
4 1	14 22.47	− 3 9.9	2.309	3.242	7.5	20.2
4 11	14 16.28	− 2 1.7	2.265	3.242	4.8	20.0
4 21	14 9.22	− 0 56.3	2.250	3.241	3.5	20.0
5 1	14 1.98	+ 0 1.1	2.263	3.240	5.2	20.1
5 11	13 55.30	+ 0 46.1	2.304	3.239	8.0	20.2
5 21	13 49.75	+ 1 16.2	2.369	3.237	10.8	20.4
5 31	13 45.80	+ 1 30.1	2.457	3.235	13.2	20.6

270428 2002 CP_{73} 4 24.0 143°.38 1°.8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.52	−20 23.9	2.357	3.177	11.9	21.8
4 1	14 26.38	−20 11.2	2.283	3.189	9.0	21.6
4 11	14 18.57	−19 46.3	2.235	3.201	5.7	21.4
4 21	14 9.76	−19 10.9	2.214	3.212	2.5	21.2
5 1	14 0.78	−18 28.1	2.223	3.223	2.7	21.3
5 11	13 52.49	−17 42.3	2.260	3.232	5.8	21.5
5 21	13 45.55	−16 58.3	2.325	3.241	9.0	21.7
5 31	13 40.47	−16 20.3	2.414	3.250	11.8	21.9

34358 2000 RV_{22} 4 24.0 237°.13 4°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 30.54	−26 30.1	2.455	3.252	12.1	19.3
4 1	14 25.14	−26 45.4	2.363	3.246	9.7	19.2
4 11	14 17.98	−26 46.4	2.295	3.240	7.0	19.0
4 21	14 9.65	−26 32.7	2.253	3.234	4.6	18.8
5 1	14 0.96	−26 5.6	2.239	3.227	4.1	18.8
5 11	13 52.80	−25 28.7	2.253	3.221	6.1	18.9
5 21	13 45.91	−24 46.7	2.294	3.214	8.9	19.0
5 31	13 40.86	−24 4.8	2.358	3.207	11.6	19.2

497928 2006 VJ_{131} 4 24.0 112°.01 1°.0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 22	14 28.21	−11 11.1	2.424	3.276	10.5	21.7
4 1	14 23.16	−10 42.3	2.355	3.284	7.6	21.5
4 11	14 16.67	−10 7.9	2.312	3.292	4.3	21.3
4 21	14 9.31	− 9 31.0	2.296	3.300	1.2	21.1
5 1	14 1.81	− 8 55.1	2.310	3.307	3.0	21.2
5 11	13 54.88	− 8 24.1	2.352	3.314	6.3	21.4
5 21	13 49.13	− 8 0.9	2.420	3.322	9.3	21.6
5 31	13 44.98	− 7 47.8	2.511	3.329	11.9	21.8

179066 2001 SO_{104} 4 24.0 72°.26 4°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 33.47	−26 49.7	2.124	2.923	13.7	19.8
4 1	14 27.39	−27 24.3	2.054	2.937	11.0	19.6
4 11	14 19.30	−27 43.0	2.007	2.950	8.0	19.4
4 21	14 9.95	−27 44.8	1.985	2.964	5.4	19.3
5 1	14 0.32	−27 30.9	1.991	2.977	4.9	19.3
5 11	13 51.43	−27 5.0	2.025	2.991	6.9	19.4
5 21	13 44.13	−26 32.4	2.084	3.004	9.7	19.6
5 31	13 39.00	−25 58.9	2.167	3.018	12.4	19.8

508697 2017 UQ_{19} 4 24.0 116°.00 2°.6/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.33	− 6 39.1	2.508	3.367	10.0	21.7
4 1	14 22.41	− 5 38.0	2.448	3.381	7.2	21.5
4 11	14 16.18	− 4 33.9	2.415	3.394	4.3	21.4
4 21	14 9.19	− 3 31.4	2.411	3.407	2.6	21.3
5 1	14 2.12	− 2 35.0	2.436	3.420	4.3	21.4
5 11	13 55.63	− 1 48.8	2.489	3.433	7.1	21.6
5 21	13 50.26	− 1 15.3	2.568	3.445	9.8	21.8
5 31	13 46.40	− 0 55.9	2.669	3.457	12.1	22.0

390201 2012 WZ_{31} 4 24.0 66°.93 0°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.30	−15 24.7	2.151	3.000	11.8	21.2
4 1	14 22.70	−14 44.1	2.080	3.007	8.6	21.0
4 11	14 16.47	−13 53.3	2.035	3.013	5.0	20.8
4 21	14 9.28	−12 55.8	2.016	3.019	1.2	20.5
5 1	14 1.91	−11 56.4	2.025	3.026	2.8	20.6
5 11	13 55.20	−11 0.5	2.063	3.033	6.5	20.9
5 21	13 49.79	−10 12.5	2.127	3.039	9.9	21.1
5 31	13 46.16	− 9 36.0	2.213	3.046	12.8	21.3

207191 2005 EF_{35} 4 24.0 20°.66 3°.6/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 27.97	− 9 43.3	1.429	2.307	14.9	19.5
4 1	14 23.81	− 8 2.1	1.366	2.308	10.7	19.3
4 11	14 17.37	− 6 9.5	1.326	2.310	6.3	19.0
4 21	14 9.51	− 4 14.8	1.312	2.311	3.6	18.9
5 1	14 1.40	− 2 28.8	1.325	2.313	6.4	19.0
5 11	13 54.23	− 1 1.3	1.362	2.315	10.8	19.3
5 21	13 48.90	+ 0 1.7	1.422	2.317	15.0	19.5
5 31	13 46.00	+ 0 37.9	1.501	2.319	18.4	19.8

431890 2008 SB_{265} 4 24.0 168°.95 0°.3/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 31.19	−15 1.8	2.106	2.950	12.2	21.9
4 1	14 25.63	−14 49.6	2.029	2.952	9.0	21.7
4 11	14 18.24	−14 28.3	1.977	2.954	5.3	21.5
4 21	14 9.71	−14 0.1	1.952	2.955	1.4	21.2
5 1	14 0.92	−13 28.7	1.955	2.956	2.7	21.3
5 11	13 52.78	−12 58.2	1.987	2.957	6.6	21.5
5 21	13 46.05	−12 32.8	2.044	2.958	10.2	21.8
5 31	13 41.27	−12 15.9	2.124	2.958	13.2	22.0

409162 2003 UF_{201} 4 24.0 170°.81 1°.4/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 32.55	−11 28.7	1.921	2.775	12.8	22.2
4 1	14 26.68	−10 44.2	1.849	2.778	9.3	22.0
4 11	14 18.87	− 9 51.4	1.801	2.782	5.3	21.7
4 21	14 9.86	− 8 54.6	1.781	2.784	1.6	21.5
5 1	14 0.62	− 7 59.3	1.790	2.786	3.9	21.6
5 11	13 52.14	− 7 11.3	1.826	2.787	7.9	21.9
5 21	13 45.21	− 6 34.9	1.888	2.788	11.6	22.1
5 31	13 40.39	− 6 12.9	1.971	2.788	14.7	22.3

300090 2006 UQ_{234} 4 24.0 162°.89 1°.3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 28.07	−19 34.8	2.866	3.689	9.9	21.5
4 1	14 22.96	−19 17.2	2.785	3.693	7.5	21.3
4 11	14 16.53	−18 50.0	2.729	3.697	4.7	21.1
4 21	14 9.30	−18 14.6	2.702	3.701	1.9	20.9
5 1	14 1.91	−17 33.7	2.704	3.704	2.2	21.0
5 11	13 55.00	−16 51.0	2.735	3.707	4.9	21.1
5 21	13 49.12	−16 10.0	2.794	3.710	7.7	21.3
5 31	13 44.69	−15 34.3	2.878	3.712	10.1	21.5

7381 Mamontov 4 24.0 238°.63 1°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 22	14 34.76	−16 33.6	1.775	2.618	14.2	17.5
4 1	14 28.74	−16 34.7	1.687	2.607	10.6	17.3
4 11	14 20.32	−16 24.5	1.621	2.596	6.5	17.0
4 21	14 10.26	−16 4.1	1.581	2.584	2.1	16.7
5 1	13 59.64	−15 36.7	1.570	2.571	3.2	16.7
5 11	13 49.70	−15 7.3	1.585	2.558	7.7	17.0
5 21	13 41.46	−14 41.1	1.626	2.545	12.0	17.2
5 31	13 35.66	−14 23.1	1.689	2.531	15.7	17.4