215690 2003 YM_{54} 5 8.9 213°.21 3°.4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.55	− 9 51.5	1.831	2.652	14.8	20.8
4 11	15 28.74	− 9 25.7	1.745	2.647	11.6	20.5
4 21	15 21.46	− 8 57.4	1.680	2.642	7.9	20.3
5 1	15 12.34	− 8 30.2	1.641	2.636	4.4	20.1
5 11	15 2.32	− 8 8.0	1.629	2.629	3.8	20.0
5 21	14 52.49	− 7 54.5	1.644	2.622	7.2	20.2
5 31	14 43.89	− 7 52.8	1.685	2.615	11.1	20.4
6 10	14 37.32	− 8 4.3	1.748	2.607	14.6	20.6

299323 2005 QX_{118} 5 8.9 204°.77 1°.5/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.49	−14 29.3	2.330	3.146	12.2	21.5
4 11	15 23.49	−14 2.0	2.244	3.145	9.5	21.3
4 21	15 17.66	−13 29.5	2.181	3.145	6.3	21.1
5 1	15 10.52	−12 54.2	2.145	3.144	2.9	20.8
5 11	15 2.80	−12 19.2	2.137	3.143	1.9	20.8
5 21	14 55.26	−11 47.9	2.157	3.143	5.1	21.0
5 31	14 48.65	−11 23.5	2.204	3.142	8.4	21.2
6 10	14 43.56	−11 8.4	2.275	3.141	11.4	21.4

321299 2009 FU_{60} 5 8.9 6°.84 0°.3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.71	−17 44.6	1.135	1.989	19.9	20.5
4 11	15 25.53	−17 41.8	1.068	1.989	15.6	20.2
4 21	15 19.97	−17 28.2	1.019	1.990	10.5	19.9
5 1	15 11.81	−17 5.6	0.991	1.992	4.7	19.6
5 11	15 2.46	−16 38.1	0.986	1.996	1.3	19.4
5 21	14 53.49	−16 11.3	1.004	2.000	7.2	19.7
5 31	14 46.40	−15 51.3	1.044	2.006	12.7	20.1
6 10	14 42.20	−15 42.9	1.103	2.013	17.4	20.3

282899 2007 GW_{35} 5 8.9 333°.66 1°.4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.94	−14 35.5	1.427	2.270	17.1	20.1
4 11	15 25.22	−14 34.2	1.340	2.256	13.5	19.8
4 21	15 19.58	−14 27.1	1.273	2.242	9.1	19.5
5 1	15 11.64	−14 16.3	1.229	2.230	4.2	19.2
5 11	15 2.48	−14 5.2	1.210	2.218	2.0	19.0
5 21	14 53.42	−13 57.5	1.214	2.207	6.9	19.3
5 31	14 45.77	−13 57.2	1.243	2.197	11.9	19.5
6 10	14 40.56	−14 7.6	1.292	2.188	16.3	19.7

231938 2001 FU_{104} 5 8.9 73°.13 1°.0/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.08	−14 53.7	1.851	2.668	14.9	20.4
4 11	15 28.12	−14 53.7	1.786	2.687	11.5	20.2
4 21	15 20.85	−14 48.9	1.743	2.705	7.6	20.0
5 1	15 11.97	−14 40.9	1.725	2.724	3.4	19.8
5 11	15 2.46	−14 32.1	1.734	2.742	1.5	19.7
5 21	14 53.34	−14 25.3	1.771	2.761	5.5	20.0
5 31	14 45.57	−14 23.2	1.834	2.779	9.3	20.3
6 10	14 39.82	−14 28.3	1.921	2.797	12.7	20.5

425201 2009 VA_{4} 5 8.9 124°.73 1°.3/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.77	−22 12.2	2.065	2.862	14.3	22.2
4 11	15 27.85	−22 10.9	1.987	2.873	11.2	22.0
4 21	15 20.68	−21 59.6	1.930	2.884	7.7	21.8
5 1	15 11.91	−21 38.5	1.900	2.895	3.9	21.6
5 11	15 2.47	−21 9.8	1.896	2.905	1.4	21.4
5 21	14 53.33	−20 36.5	1.922	2.915	4.7	21.6
5 31	14 45.42	−20 3.2	1.974	2.924	8.4	21.9
6 10	14 39.43	−19 34.1	2.050	2.933	11.7	22.1

141144 2001 XU_{99} 5 8.9 150°.12 1°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.53	−11 53.7	2.705	3.514	10.9	20.3
4 11	15 23.95	−11 30.8	2.623	3.520	8.4	20.1
4 21	15 17.80	−11 5.3	2.566	3.527	5.6	19.9
5 1	15 10.54	−10 39.3	2.536	3.533	2.8	19.8
5 11	15 2.81	−10 15.5	2.535	3.538	2.3	19.7
5 21	14 55.28	− 9 56.2	2.563	3.543	4.8	19.9
5 31	14 48.58	− 9 43.7	2.619	3.548	7.6	20.1
6 10	14 43.21	− 9 39.5	2.700	3.553	10.2	20.3

208934 2002 VR_{27} 5 8.9 173°.56 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.89	−23 15.1	2.525	3.314	12.2	20.6
4 11	15 24.49	−22 48.3	2.434	3.316	9.6	20.5
4 21	15 18.27	−22 10.9	2.366	3.318	6.6	20.3
5 1	15 10.79	−21 24.1	2.324	3.319	3.3	20.1
5 11	15 2.75	−20 30.4	2.311	3.320	1.1	19.9
5 21	14 54.93	−19 33.5	2.328	3.321	4.0	20.1
5 31	14 48.06	−18 37.8	2.372	3.321	7.3	20.3
6 10	14 42.71	−17 47.5	2.442	3.321	10.3	20.5

349489 2008 FC_{131} 5 8.9 111°.83 1°.1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.01	−21 55.9	2.451	3.245	12.3	21.5
4 11	15 24.64	−21 54.8	2.366	3.251	9.7	21.4
4 21	15 18.41	−21 45.2	2.304	3.257	6.7	21.2
5 1	15 10.86	−21 27.6	2.268	3.263	3.4	21.0
5 11	15 2.73	−21 3.8	2.260	3.269	1.2	20.8
5 21	14 54.81	−20 36.4	2.281	3.275	4.1	21.0
5 31	14 47.85	−20 8.6	2.330	3.280	7.3	21.3
6 10	14 42.44	−19 44.1	2.404	3.286	10.3	21.4

5511 Cloanthus 5 8.9 303°.82 2°.3/ 5.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 20.12	− 7 45.5	4.168	4.981	7.3	17.4
4 11	15 17.03	− 7 10.8	4.075	4.973	5.7	17.3
4 21	15 13.01	− 6 35.5	4.007	4.965	3.9	17.2
5 1	15 8.34	− 6 1.5	3.968	4.956	2.5	17.0
5 11	15 3.37	− 5 31.0	3.957	4.948	2.5	17.0
5 21	14 58.49	− 5 5.6	3.976	4.940	4.0	17.1
5 31	14 54.04	− 4 46.9	4.023	4.932	5.8	17.2
6 10	14 50.35	− 4 35.9	4.095	4.924	7.5	17.4

117317 2004 VL_{59} 5 8.9 147°.64 1°.0/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.44	−21 14.0	2.088	2.889	14.0	20.3
4 11	15 26.85	−21 10.7	2.004	2.893	11.0	20.1
4 21	15 20.06	−20 58.0	1.942	2.897	7.5	19.9
5 1	15 11.66	−20 36.4	1.905	2.901	3.7	19.7
5 11	15 2.55	−20 8.1	1.896	2.905	1.1	19.5
5 21	14 53.67	−19 36.2	1.915	2.909	4.7	19.7
5 31	14 45.95	−19 5.0	1.962	2.912	8.5	20.0
6 10	14 40.09	−18 38.4	2.032	2.915	11.8	20.2

255630 2006 QL_{1} 5 8.9 263°.97 4°.1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.38	− 9 0.2	1.653	2.484	15.8	20.8
4 11	15 28.20	− 8 30.6	1.563	2.470	12.4	20.6
4 21	15 21.33	− 7 58.6	1.494	2.457	8.6	20.3
5 1	15 12.38	− 7 28.4	1.449	2.443	5.0	20.1
5 11	15 2.35	− 7 4.9	1.430	2.429	4.6	20.0
5 21	14 52.41	− 6 52.3	1.437	2.415	8.1	20.2
5 31	14 43.75	− 6 54.1	1.469	2.400	12.3	20.4
6 10	14 37.29	− 7 11.6	1.522	2.385	16.1	20.6

438409 2006 VT_{17} 5 8.9 259°.60 0°.8/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.57	−22 41.8	2.356	3.153	12.7	21.7
4 11	15 23.70	−22 11.9	2.255	3.143	10.0	21.5
4 21	15 17.90	−21 30.6	2.178	3.133	6.9	21.3
5 1	15 10.68	−20 39.1	2.126	3.122	3.4	21.0
5 11	15 2.80	−19 40.4	2.103	3.112	0.9	20.8
5 21	14 55.06	−18 38.4	2.108	3.101	4.4	21.1
5 31	14 48.28	−17 38.1	2.141	3.091	7.9	21.3
6 10	14 43.07	−16 44.1	2.199	3.080	11.1	21.4

478107 2011 UJ_{76} 5 8.9 194°.06 0°.8/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.79	−22 34.2	3.052	3.835	10.4	21.8
4 11	15 23.34	−22 10.8	2.953	3.833	8.2	21.6
4 21	15 17.39	−21 39.0	2.879	3.830	5.6	21.5
5 1	15 10.37	−20 59.6	2.832	3.827	2.8	21.3
5 11	15 2.89	−20 14.8	2.814	3.823	0.9	21.1
5 21	14 55.55	−19 27.2	2.826	3.819	3.5	21.3
5 31	14 48.96	−18 40.3	2.868	3.814	6.3	21.5
6 10	14 43.62	−17 57.3	2.935	3.809	8.9	21.6

341473 2007 TQ_{334} 5 9.0 229°.52 1°.3/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.40	−21 22.2	2.261	3.056	13.2	21.4
4 11	15 26.78	−21 35.5	2.166	3.052	10.5	21.2
4 21	15 20.03	−21 41.0	2.094	3.047	7.2	21.0
5 1	15 11.68	−21 38.4	2.048	3.042	3.7	20.7
5 11	15 2.55	−21 29.0	2.029	3.037	1.4	20.5
5 21	14 53.52	−21 14.6	2.039	3.032	4.5	20.8
5 31	14 45.51	−20 58.6	2.077	3.027	8.1	21.0
6 10	14 39.23	−20 44.6	2.139	3.021	11.3	21.2

164841 1999 TV_{112} 5 9.0 166°.25 1°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.67	−24 35.9	2.158	2.941	14.2	20.8
4 11	15 29.32	−24 27.9	2.070	2.947	11.3	20.6
4 21	15 21.68	−24 7.8	2.005	2.952	7.9	20.4
5 1	15 12.40	−23 35.7	1.965	2.957	4.2	20.2
5 11	15 2.40	−22 53.6	1.954	2.961	1.9	20.0
5 21	14 52.67	−22 5.0	1.971	2.964	4.7	20.2
5 31	14 44.17	−21 15.1	2.016	2.966	8.3	20.5
6 10	14 37.59	−20 28.9	2.087	2.967	11.7	20.7

434962 2006 UO_{91} 5 9.0 2°.85 0°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.29	−22 47.7	2.051	2.857	14.0	20.7
4 11	15 23.69	−22 13.5	1.964	2.856	11.0	20.5
4 21	15 17.97	−21 26.6	1.899	2.856	7.5	20.3
5 1	15 10.73	−20 28.6	1.860	2.857	3.6	20.1
5 11	15 2.82	−19 23.1	1.848	2.857	1.0	19.9
5 21	14 55.17	−18 15.2	1.863	2.857	4.7	20.1
5 31	14 48.64	−17 10.4	1.906	2.858	8.6	20.4
6 10	14 43.89	−16 14.0	1.973	2.859	12.0	20.6

459551 2013 GH_{46} 5 9.0 321°.76 5°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	−26 4.2	1.221	2.046	20.6	21.2
4 11	15 29.55	−27 8.3	1.135	2.032	16.9	20.9
4 21	15 23.17	−28 0.2	1.066	2.018	12.6	20.6
5 1	15 13.56	−28 34.8	1.018	2.005	8.1	20.3
5 11	15 2.04	−28 49.0	0.992	1.992	5.6	20.1
5 21	14 50.43	−28 43.3	0.989	1.981	8.3	20.2
5 31	14 40.66	−28 23.1	1.008	1.970	13.0	20.5
6 10	14 34.17	−27 57.4	1.046	1.960	17.8	20.7

358311 2006 UG_{255} 5 9.0 173°.22 1°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.32	−24 39.3	2.939	3.716	10.9	21.2
4 11	15 23.78	−24 8.0	2.844	3.719	8.6	21.0
4 21	15 17.69	−23 26.4	2.774	3.721	6.0	20.8
5 1	15 10.51	−22 35.6	2.730	3.723	3.1	20.6
5 11	15 2.89	−21 38.0	2.717	3.725	1.2	20.5
5 21	14 55.47	−20 36.8	2.733	3.726	3.6	20.7
5 31	14 48.87	−19 35.9	2.778	3.726	6.4	20.9
6 10	14 43.60	−18 39.4	2.850	3.726	9.0	21.0

318616 2005 JA_{80} 5 9.0 313°.45 0°.4/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.23	−19 12.7	1.363	2.201	18.1	20.4
4 11	15 25.85	−19 11.2	1.266	2.178	14.4	20.1
4 21	15 20.31	−18 58.3	1.187	2.154	9.9	19.8
5 1	15 12.12	−18 34.5	1.131	2.131	4.7	19.4
5 11	15 2.42	−18 2.7	1.099	2.108	1.1	19.1
5 21	14 52.64	−17 27.5	1.090	2.086	6.9	19.4
5 31	14 44.29	−16 55.5	1.105	2.065	12.4	19.6
6 10	14 38.60	−16 32.9	1.139	2.044	17.3	19.8

497090 2003 XB_{30} 5 9.0 235°.52 0°.4/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.95	−20 20.3	1.875	2.682	15.1	22.5
4 11	15 28.47	−20 4.1	1.776	2.670	12.0	22.3
4 21	15 21.43	−19 36.9	1.699	2.657	8.1	22.0
5 1	15 12.42	−18 59.6	1.646	2.644	3.8	21.7
5 11	15 2.39	−18 15.0	1.621	2.630	0.9	21.5
5 21	14 52.47	−17 27.4	1.623	2.616	5.5	21.8
5 31	14 43.77	−16 42.2	1.652	2.601	9.9	22.0
6 10	14 37.14	−16 4.8	1.705	2.586	13.8	22.2

391118 2005 VM_{102} 5 9.0 322°.53 1°.9/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.03	−21 44.4	2.009	2.814	14.3	20.4
4 11	15 26.12	−22 12.3	1.911	2.801	11.4	20.1
4 21	15 19.84	−22 32.7	1.834	2.788	8.0	19.9
5 1	15 11.70	−22 44.5	1.782	2.776	4.3	19.7
5 11	15 2.57	−22 48.2	1.757	2.764	2.0	19.5
5 21	14 53.47	−22 45.3	1.759	2.753	5.0	19.6
5 31	14 45.43	−22 39.0	1.788	2.742	8.9	19.9
6 10	14 39.31	−22 33.2	1.840	2.731	12.4	20.0

330825 2008 XE_{3} 5 9.0 292°.55 4°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.25	−29 44.4	2.219	2.978	14.5	21.2
4 11	15 32.17	−30 1.2	2.072	2.927	12.2	20.9
4 21	15 24.28	−30 4.8	1.946	2.876	9.3	20.7
5 1	15 13.93	−29 51.7	1.845	2.823	6.2	20.4
5 11	15 1.97	−29 20.4	1.772	2.769	4.2	20.1
5 21	14 49.52	−28 31.8	1.727	2.713	6.1	20.1
5 31	14 37.88	−27 30.2	1.710	2.656	9.8	20.2
6 10	14 28.21	−26 22.8	1.718	2.598	13.8	20.3

29478 1997 UW_{17} 5 9.0 344°.46 0°.7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.96	−15 25.8	1.679	2.502	15.9	18.0
4 11	15 28.59	−15 33.9	1.597	2.501	12.4	17.7
4 21	15 21.54	−15 37.0	1.537	2.500	8.3	17.5
5 1	15 12.46	−15 36.0	1.500	2.499	3.8	17.2
5 11	15 2.41	−15 33.2	1.490	2.499	1.3	17.0
5 21	14 52.57	−15 31.1	1.506	2.498	6.0	17.3
5 31	14 44.09	−15 33.1	1.549	2.498	10.4	17.6
6 10	14 37.85	−15 42.0	1.613	2.498	14.3	17.8

471666 2012 TD_{151} 5 9.0 268°.93 2°.2/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.79	−22 52.5	2.103	2.896	14.1	21.5
4 11	15 28.21	−23 19.4	2.001	2.884	11.3	21.3
4 21	15 21.21	−23 38.1	1.921	2.871	8.0	21.1
5 1	15 12.33	−23 47.4	1.866	2.857	4.4	20.8
5 11	15 2.43	−23 47.3	1.838	2.844	2.2	20.6
5 21	14 52.54	−23 39.6	1.838	2.830	5.0	20.8
5 31	14 43.71	−23 27.3	1.865	2.817	8.8	21.0
6 10	14 36.78	−23 14.9	1.917	2.803	12.3	21.2

11670 Fountain 5 9.0 326°.40 0°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.31	−19 12.7	1.997	2.813	14.0	17.6
4 11	15 23.86	−19 4.2	1.904	2.804	11.0	17.4
4 21	15 18.21	−18 47.0	1.833	2.795	7.4	17.2
5 1	15 10.91	−18 22.5	1.787	2.786	3.4	16.9
5 11	15 2.80	−17 53.0	1.768	2.778	0.8	16.7
5 21	14 54.82	−17 22.0	1.776	2.770	5.0	17.0
5 31	14 47.91	−16 53.8	1.810	2.762	9.0	17.2
6 10	14 42.80	−16 32.1	1.868	2.755	12.5	17.4

204019 2003 UB_{61} 5 9.0 250°.91 1°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.91	−14 51.8	2.266	3.073	12.8	20.4
4 11	15 27.19	−14 45.8	2.161	3.057	10.0	20.1
4 21	15 20.34	−14 35.3	2.079	3.040	6.7	19.9
5 1	15 11.87	−14 21.5	2.024	3.023	3.1	19.6
5 11	15 2.56	−14 6.7	1.997	3.005	1.5	19.5
5 21	14 53.26	−13 53.5	1.999	2.987	5.1	19.7
5 31	14 44.89	−13 44.8	2.028	2.969	8.9	19.9
6 10	14 38.17	−13 43.2	2.082	2.950	12.2	20.1

192358 1995 VT_{4} 5 9.0 205°.42 1°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.87	−14 39.0	1.707	2.523	15.9	21.0
4 11	15 30.84	−14 25.4	1.618	2.519	12.5	20.8
4 21	15 23.06	−14 5.6	1.552	2.514	8.4	20.5
5 1	15 13.17	−13 41.7	1.510	2.509	3.9	20.3
5 11	15 2.25	−13 17.0	1.495	2.502	2.1	20.1
5 21	14 51.51	−12 55.4	1.507	2.495	6.5	20.4
5 31	14 42.14	−12 41.1	1.546	2.488	11.0	20.6
6 10	14 35.05	−12 37.3	1.606	2.479	14.9	20.8

4228 Nemiro 5 9.0 265°.06 0°.3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.89	−19 41.5	1.593	2.415	16.6	17.9
4 11	15 27.30	−19 7.8	1.498	2.401	13.1	17.6
4 21	15 20.87	−18 20.5	1.424	2.387	8.9	17.4
5 1	15 12.24	−17 21.3	1.373	2.373	4.0	17.0
5 11	15 2.48	−16 14.8	1.348	2.358	1.2	16.8
5 21	14 52.84	−15 7.5	1.350	2.343	6.4	17.1
5 31	14 44.57	−14 6.5	1.377	2.327	11.3	17.3
6 10	14 38.65	−13 18.2	1.425	2.312	15.7	17.5

376956 2002 GG_{4} 5 9.0 348°.01 9°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.60	−13 41.9	0.849	1.733	22.2	19.8
4 11	15 22.97	−10 18.1	0.789	1.728	17.2	19.5
4 21	15 18.54	− 6 25.9	0.749	1.725	12.1	19.2
5 1	15 11.26	− 2 25.7	0.730	1.722	9.1	19.0
5 11	15 2.75	+ 1 15.5	0.734	1.720	11.2	19.1
5 21	14 54.80	+ 4 14.2	0.758	1.718	16.1	19.3
5 31	14 48.99	+ 6 17.1	0.801	1.718	21.3	19.6
6 10	14 46.33	+ 7 23.3	0.858	1.718	25.6	19.9

225761 2001 SH_{207} 5 9.0 85°.02 5°.8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.36	− 6 59.5	1.697	2.532	15.2	20.2
4 11	15 25.34	− 5 28.4	1.638	2.546	11.9	20.0
4 21	15 19.05	− 3 55.4	1.601	2.560	8.5	19.8
5 1	15 11.20	− 2 27.8	1.589	2.574	6.1	19.7
5 11	15 2.79	− 1 13.1	1.605	2.588	6.5	19.8
5 21	14 54.80	− 0 17.1	1.646	2.602	9.2	20.0
5 31	14 48.15	+ 0 16.9	1.711	2.615	12.4	20.2
6 10	14 43.48	+ 0 28.5	1.796	2.629	15.4	20.4

305438 2008 CU_{180} 5 9.0 178°.87 3°.1/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.10	−28 52.7	2.413	3.186	13.1	20.5
4 11	15 24.92	−28 52.6	2.321	3.186	10.7	20.3
4 21	15 18.73	−28 39.6	2.250	3.186	7.8	20.1
5 1	15 11.09	−28 12.9	2.205	3.186	4.9	19.9
5 11	15 2.80	−27 34.0	2.187	3.186	3.1	19.8
5 21	14 54.70	−26 45.8	2.197	3.186	4.6	19.9
5 31	14 47.63	−25 52.7	2.234	3.186	7.5	20.1
6 10	14 42.22	−24 59.8	2.297	3.186	10.4	20.3

54544 2000 QK_{62} 5 9.0 105°.35 2°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.00	−24 9.0	2.550	3.330	12.3	19.1
4 11	15 26.87	−24 25.5	2.472	3.346	9.8	18.9
4 21	15 19.87	−24 33.2	2.416	3.361	6.9	18.8
5 1	15 11.56	−24 31.8	2.387	3.377	3.9	18.6
5 11	15 2.70	−24 22.1	2.387	3.392	2.0	18.5
5 21	14 54.07	−24 6.1	2.416	3.407	4.1	18.6
5 31	14 46.45	−23 46.8	2.473	3.421	7.0	18.9
6 10	14 40.41	−23 27.8	2.555	3.436	9.8	19.1

318646 2005 MH_{26} 5 9.0 302°.95 2°.0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.62	−15 14.6	1.492	2.330	16.8	20.3
4 11	15 25.75	−14 45.2	1.395	2.308	13.2	20.0
4 21	15 20.00	−14 6.3	1.318	2.286	8.9	19.7
5 1	15 11.92	−13 20.8	1.264	2.264	4.2	19.4
5 11	15 2.56	−12 33.7	1.235	2.243	2.6	19.2
5 21	14 53.19	−11 50.8	1.232	2.221	7.4	19.4
5 31	14 45.15	−11 18.2	1.251	2.200	12.4	19.6
6 10	14 39.47	−11 0.7	1.292	2.179	16.9	19.8

474940 2005 SR_{284} 5 9.0 277°.94 4°.8/ 5.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.71	− 4 23.4	2.346	3.168	11.9	21.8
4 11	15 22.88	− 3 35.2	2.261	3.161	9.5	21.6
4 21	15 17.29	− 2 47.7	2.200	3.153	6.9	21.4
5 1	15 10.42	− 2 5.1	2.165	3.146	5.0	21.3
5 11	15 2.97	− 1 31.7	2.157	3.139	5.2	21.3
5 21	14 55.68	− 1 10.8	2.176	3.131	7.4	21.4
5 31	14 49.24	− 1 4.5	2.221	3.124	10.1	21.6
6 10	14 44.26	− 1 13.4	2.289	3.116	12.7	21.7

353789 2012 PG_{15} 5 9.0 238°.21 6°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.97	−36 20.1	2.312	3.046	14.7	21.3
4 11	15 29.21	−36 48.3	2.206	3.033	12.5	21.1
4 21	15 21.92	−37 0.4	2.119	3.021	10.1	20.9
5 1	15 12.67	−36 52.9	2.057	3.008	7.7	20.7
5 11	15 2.40	−36 24.7	2.020	2.994	6.2	20.6
5 21	14 52.22	−35 37.5	2.010	2.980	6.7	20.6
5 31	14 43.21	−34 35.8	2.027	2.966	8.9	20.7
6 10	14 36.25	−33 26.7	2.068	2.951	11.6	20.8

317349 2002 LB_{38} 5 9.0 282°.29 5°.7/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.15	− 5 42.1	1.929	2.762	13.8	20.2
4 11	15 23.69	− 4 24.7	1.840	2.746	10.9	20.0
4 21	15 18.08	− 3 4.7	1.774	2.731	8.0	19.8
5 1	15 10.86	− 1 48.2	1.733	2.716	5.9	19.6
5 11	15 2.87	− 0 41.8	1.719	2.700	6.4	19.6
5 21	14 54.99	+ 0 8.6	1.731	2.685	9.0	19.7
5 31	14 48.15	+ 0 39.3	1.768	2.669	12.3	19.9
6 10	14 43.06	+ 0 48.7	1.825	2.654	15.3	20.1

300218 2006 WG_{187} 5 9.0 229°.43 4°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.61	− 5 18.0	2.513	3.328	11.5	20.9
4 11	15 24.22	− 4 46.0	2.425	3.322	9.0	20.7
4 21	15 18.13	− 4 14.8	2.360	3.315	6.4	20.6
5 1	15 10.80	− 3 47.7	2.323	3.308	4.4	20.4
5 11	15 2.90	− 3 28.1	2.313	3.301	4.4	20.4
5 21	14 55.13	− 3 18.6	2.332	3.293	6.6	20.5
5 31	14 48.19	− 3 21.0	2.377	3.286	9.2	20.7
6 10	14 42.65	− 3 35.8	2.446	3.278	11.8	20.8

63162 Davidčapek 5 9.0 212°.82 4°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.31	− 2 30.6	2.807	3.614	10.6	19.5
4 11	15 24.55	− 2 4.8	2.719	3.609	8.4	19.3
4 21	15 18.24	− 1 41.6	2.655	3.603	6.2	19.2
5 1	15 10.83	− 1 24.1	2.619	3.597	4.6	19.1
5 11	15 2.90	− 1 15.1	2.611	3.590	4.7	19.1
5 21	14 55.10	− 1 16.6	2.632	3.583	6.5	19.2
5 31	14 48.06	− 1 29.7	2.679	3.576	8.8	19.3
6 10	14 42.28	− 1 54.5	2.751	3.568	11.0	19.4

19845 2000 SY_{319} 5 9.0 173°.79 1°.9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.38	−23 53.3	2.670	3.451	11.8	18.4
4 11	15 25.66	−24 6.6	2.578	3.453	9.4	18.3
4 21	15 19.12	−24 11.7	2.508	3.454	6.6	18.1
5 1	15 11.26	−24 8.2	2.465	3.455	3.7	17.9
5 11	15 2.79	−23 56.9	2.450	3.455	1.9	17.8
5 21	14 54.44	−23 39.8	2.464	3.456	4.0	17.9
5 31	14 46.98	−23 19.6	2.507	3.456	6.9	18.1
6 10	14 40.99	−22 59.8	2.575	3.456	9.7	18.3

410342 2007 UX_{89} 5 9.0 108°.55 0°.7/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.48	−20 20.7	1.689	2.497	16.4	22.2
4 11	15 30.36	−20 17.4	1.619	2.514	12.9	22.0
4 21	15 22.57	−20 3.7	1.571	2.529	8.7	21.8
5 1	15 12.87	−19 40.4	1.547	2.545	4.1	21.5
5 11	15 2.41	−19 10.2	1.551	2.560	1.0	21.4
5 21	14 52.39	−18 37.1	1.581	2.574	5.5	21.7
5 31	14 43.92	−18 6.3	1.637	2.589	9.8	22.0
6 10	14 37.78	−17 42.2	1.717	2.602	13.5	22.2

242668 2005 SB_{74} 5 9.0 255°.04 8°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.06	+11 33.5	2.669	3.453	11.7	20.4
4 11	15 24.52	+12 35.1	2.587	3.436	10.2	20.3
4 21	15 18.31	+13 27.2	2.528	3.418	9.1	20.2
5 1	15 10.89	+14 4.3	2.494	3.400	8.7	20.1
5 11	15 2.90	+14 22.1	2.485	3.382	9.2	20.1
5 21	14 55.02	+14 18.2	2.501	3.364	10.5	20.2
5 31	14 47.93	+13 52.4	2.541	3.345	12.2	20.3
6 10	14 42.19	+13 6.1	2.600	3.326	13.9	20.4

167821 2005 CS_{11} 5 9.0 9°.31 1°.3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.98	−15 51.2	1.200	2.051	19.2	19.9
4 11	15 26.35	−15 41.1	1.132	2.052	15.0	19.7
4 21	15 20.46	−15 22.3	1.083	2.053	10.0	19.4
5 1	15 12.10	−14 57.5	1.055	2.056	4.5	19.1
5 11	15 2.60	−14 31.2	1.051	2.060	2.0	18.9
5 21	14 53.48	−14 8.5	1.070	2.064	7.4	19.3
5 31	14 46.15	−13 54.9	1.112	2.069	12.6	19.6
6 10	14 41.60	−13 54.2	1.173	2.076	17.1	19.8

228356 2000 TN_{14} 5 9.0 232°.51 0°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.09	−19 29.7	2.316	3.113	12.9	22.3
4 11	15 27.31	−19 19.6	2.211	3.100	10.2	22.1
4 21	15 20.42	−19 1.5	2.129	3.086	6.9	21.9
5 1	15 11.94	−18 35.9	2.074	3.071	3.2	21.6
5 11	15 2.63	−18 5.2	2.046	3.056	0.8	21.4
5 21	14 53.40	−17 32.1	2.048	3.040	4.6	21.7
5 31	14 45.11	−17 0.7	2.078	3.024	8.4	21.9
6 10	14 38.49	−16 34.6	2.132	3.007	11.7	22.0

22523 1998 EZ_{10} 5 9.0 297°.07 3°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.29	−22 57.5	1.462	2.279	18.1	17.9
4 11	15 29.77	−23 34.2	1.366	2.262	14.7	17.6
4 21	15 22.95	−24 0.9	1.289	2.245	10.5	17.3
5 1	15 13.39	−24 15.0	1.235	2.228	5.9	17.0
5 11	15 2.23	−24 16.0	1.205	2.211	3.1	16.7
5 21	14 50.98	−24 5.5	1.200	2.195	6.7	16.9
5 31	14 41.22	−23 48.3	1.220	2.178	11.6	17.1
6 10	14 34.19	−23 31.1	1.260	2.162	16.2	17.4

388778 2007 YE_{64} 5 9.0 27°.90 1°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.48	−22 5.8	1.978	2.786	14.4	20.8
4 11	15 24.72	−22 7.0	1.899	2.792	11.4	20.6
4 21	15 18.74	−21 58.1	1.842	2.798	7.8	20.4
5 1	15 11.15	−21 39.5	1.809	2.805	4.0	20.2
5 11	15 2.85	−21 13.4	1.803	2.812	1.4	20.0
5 21	14 54.81	−20 43.0	1.824	2.819	4.8	20.3
5 31	14 47.94	−20 12.5	1.872	2.826	8.5	20.5
6 10	14 42.94	−19 46.2	1.943	2.834	11.9	20.7

214405 2005 NG_{77} 5 9.0 202°.50 0°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.65	−19 34.9	2.542	3.343	11.8	21.1
4 11	15 23.55	−19 3.4	2.449	3.340	9.2	20.9
4 21	15 17.71	−18 23.4	2.379	3.338	6.1	20.7
5 1	15 10.62	−17 36.6	2.337	3.335	2.8	20.5
5 11	15 2.99	−16 46.1	2.323	3.332	0.7	20.3
5 21	14 55.53	−15 55.3	2.338	3.329	4.2	20.5
5 31	14 48.94	−15 8.1	2.381	3.325	7.5	20.7
6 10	14 43.80	−14 28.2	2.449	3.321	10.4	20.9

390607 2001 TN_{191} 5 9.0 125°.25 1°.7/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.19	−22 43.1	2.691	3.469	11.8	21.6
4 11	15 27.72	−23 4.7	2.608	3.482	9.3	21.4
4 21	15 20.43	−23 19.1	2.549	3.495	6.5	21.2
5 1	15 11.85	−23 25.6	2.517	3.508	3.5	21.1
5 11	15 2.70	−23 25.0	2.514	3.520	1.7	21.0
5 21	14 53.74	−23 18.7	2.541	3.532	3.9	21.1
5 31	14 45.73	−23 9.3	2.597	3.544	6.8	21.3
6 10	14 39.23	−22 59.8	2.678	3.555	9.5	21.5

426430 2013 QA_{30} 5 9.0 233°.10 1°.9/ 7.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.26	−14 11.3	2.033	2.846	13.8	21.7
4 11	15 27.65	−13 43.2	1.935	2.834	10.8	21.5
4 21	15 20.75	−13 8.9	1.859	2.821	7.3	21.2
5 1	15 12.12	−12 30.8	1.810	2.808	3.5	21.0
5 11	15 2.61	−11 52.7	1.788	2.794	2.3	20.9
5 21	14 53.20	−11 18.6	1.794	2.779	6.0	21.1
5 31	14 44.85	−10 52.5	1.827	2.764	9.9	21.3
6 10	14 38.35	−10 37.4	1.884	2.748	13.4	21.4

340322 2006 DM_{28} 5 9.0 253°.82 4°.2/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.04	−39 47.8	4.717	5.401	8.3	20.8
4 11	15 21.79	−40 17.5	4.611	5.396	7.2	20.7
4 21	15 16.32	−40 38.0	4.527	5.391	6.0	20.6
5 1	15 9.96	−40 48.0	4.469	5.386	4.9	20.5
5 11	15 3.16	−40 47.3	4.437	5.381	4.2	20.5
5 21	14 56.40	−40 36.5	4.434	5.376	4.3	20.5
5 31	14 50.15	−40 17.0	4.458	5.371	5.1	20.5
6 10	14 44.83	−39 51.1	4.508	5.366	6.3	20.6

375253 2008 GO_{91} 5 9.0 266°.27 1°.2/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.68	−13 1.4	4.277	5.083	7.3	21.4
4 11	15 17.47	−12 33.7	4.184	5.081	5.6	21.3
4 21	15 13.33	−12 3.5	4.118	5.079	3.7	21.2
5 1	15 8.56	−11 32.5	4.079	5.077	1.8	21.0
5 11	15 3.51	−11 2.4	4.071	5.074	1.4	21.0
5 21	14 58.55	−10 34.9	4.092	5.072	3.2	21.1
5 31	14 54.04	−10 11.7	4.141	5.070	5.1	21.2
6 10	14 50.28	− 9 54.0	4.217	5.068	6.9	21.4

32461 2000 SP_{93} 5 9.0 258°.69 4°.2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.99	+ 2 54.7	4.453	5.256	7.0	19.3
4 11	15 16.89	+ 3 58.0	4.374	5.251	5.8	19.2
4 21	15 12.93	+ 4 58.4	4.322	5.247	4.7	19.1
5 1	15 8.37	+ 5 53.1	4.297	5.242	4.2	19.0
5 11	15 3.56	+ 6 39.8	4.302	5.237	4.6	19.1
5 21	14 58.83	+ 7 16.4	4.334	5.232	5.6	19.1
5 31	14 54.51	+ 7 41.8	4.391	5.227	6.9	19.2
6 10	14 50.88	+ 7 55.8	4.472	5.222	8.1	19.3

126316 2002 AB_{131} 5 9.0 138°.22 11°.9/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.37	+14 36.1	1.914	2.702	15.5	19.7
4 11	15 27.55	+15 50.1	1.859	2.705	13.8	19.6
4 21	15 20.50	+16 47.8	1.825	2.707	12.4	19.5
5 1	15 11.90	+17 21.6	1.813	2.709	11.9	19.5
5 11	15 2.70	+17 26.3	1.824	2.711	12.5	19.5
5 21	14 53.87	+17 0.1	1.857	2.713	13.8	19.6
5 31	14 46.30	+16 4.5	1.911	2.715	15.6	19.7
6 10	14 40.64	+14 44.0	1.984	2.717	17.4	19.9

74805 1999 TF 5 9.0 267°.44 3°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.41	−11 1.2	1.775	2.600	15.1	20.2
4 11	15 28.23	−10 20.7	1.670	2.576	11.9	19.9
4 21	15 21.43	− 9 34.5	1.587	2.551	8.2	19.6
5 1	15 12.55	− 8 46.5	1.530	2.525	4.5	19.3
5 11	15 2.50	− 8 1.7	1.498	2.499	4.1	19.2
5 21	14 52.40	− 7 25.5	1.494	2.472	7.7	19.4
5 31	14 43.42	− 7 2.7	1.515	2.445	12.0	19.6
6 10	14 36.50	− 6 56.1	1.557	2.417	16.0	19.7

179421 2002 AG_{39} 5 9.0 125°.58 0°.8/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.48	−21 53.0	2.552	3.346	11.9	20.8
4 11	15 24.15	−21 36.6	2.469	3.354	9.4	20.6
4 21	15 18.07	−21 11.3	2.408	3.362	6.4	20.4
5 1	15 10.78	−20 38.2	2.374	3.370	3.1	20.2
5 11	15 2.98	−19 59.6	2.368	3.377	0.9	20.1
5 21	14 55.40	−19 18.5	2.391	3.385	3.9	20.3
5 31	14 48.75	−18 38.6	2.443	3.392	7.1	20.5
6 10	14 43.57	−18 3.4	2.519	3.399	10.0	20.7

104190 2000 EL_{101} 5 9.0 278°.06 0°.7/ 9.5 17

4 1	15 29.40	−20 37.3	2.050	2.857	14.0	20.8
4 11	15 25.44	−20 29.5	1.958	2.852	11.0	20.6
4 21	15 19.26	−20 12.4	1.888	2.846	7.5	20.4
5 1	15 11.43	−19 46.6	1.844	2.841	3.6	20.1
5 11	15 2.81	−19 14.5	1.827	2.836	0.9	19.9
5 21	14 54.34	−18 39.6	1.837	2.831	4.8	20.2
5 31	14 46.97	−18 6.0	1.874	2.826	8.7	20.4
6 10	14 41.43	−17 38.2	1.935	2.820	12.2	20.6

199777 2006 KL_{53} 5 9.0 10°.96 2°.2/ 7.5 17

4 1	15 28.02	−14 11.6	1.852	2.679	14.4	20.8
4 11	15 24.40	−13 33.1	1.772	2.680	11.2	20.6
4 21	15 18.55	−12 47.9	1.715	2.681	7.5	20.4
5 1	15 11.08	−11 59.5	1.683	2.681	3.6	20.1
5 11	15 2.90	−11 12.4	1.677	2.683	2.6	20.0
5 21	14 54.97	−10 31.4	1.699	2.684	6.2	20.3
5 31	14 48.22	−10 0.6	1.746	2.685	10.1	20.5
6 10	14 43.34	− 9 42.9	1.815	2.687	13.5	20.7

253369 2003 GN_{53} 5 9.0 109°.03 3°.1/ 7.3 18

4 1	15 35.89	− 8 47.6	2.010	2.821	14.1	20.3
4 11	15 30.05	− 8 34.4	1.945	2.842	10.9	20.1
4 21	15 22.05	− 8 20.9	1.904	2.862	7.4	19.9
5 1	15 12.58	− 8 9.9	1.888	2.882	4.1	19.8
5 11	15 2.56	− 8 4.2	1.902	2.901	3.5	19.7
5 21	14 52.94	− 8 6.0	1.943	2.920	6.4	20.0
5 31	14 44.61	− 8 17.2	2.012	2.938	9.7	20.2
6 10	14 38.19	− 8 38.3	2.104	2.956	12.7	20.4

499152 2009 RB_{62} 5 9.0 140°.47 3°.5/ 5.9 17

4 1	15 30.01	−11 16.8	2.169	2.987	13.0	21.9
4 11	15 25.44	− 9 59.5	2.096	2.998	10.0	21.7
4 21	15 18.96	− 8 37.0	2.047	3.008	6.8	21.6
5 1	15 11.18	− 7 14.2	2.025	3.017	4.0	21.4
5 11	15 2.90	− 5 56.9	2.031	3.026	4.0	21.4
5 21	14 54.93	− 4 50.2	2.066	3.035	6.8	21.6
5 31	14 48.04	− 3 58.2	2.128	3.042	9.9	21.8
6 10	14 42.80	− 3 23.0	2.213	3.050	12.7	22.0

66239 1999 FK_2 5 9.0 179°.05 4°.8/12.3 18

4 1	15 32.87	−31 39.9	2.345	3.101	13.9	19.5
4 11	15 28.09	−32 14.4	2.253	3.102	11.6	19.3
4 21	15 21.03	−32 35.9	2.182	3.102	8.9	19.2
5 1	15 12.24	−32 42.1	2.135	3.102	6.3	19.0
5 11	15 2.61	−32 32.6	2.115	3.102	4.8	18.9
5 21	14 53.12	−32 8.8	2.123	3.102	5.7	18.9
5 31	14 44.73	−31 34.5	2.157	3.102	8.2	19.1
6 10	14 38.22	−30 55.3	2.217	3.101	10.9	19.3

3366 Gödel 5 9.0 267°.28 3°.6/ 6.0 18

4 1	15 26.70	− 9 46.2	2.239	3.063	12.4	16.4
4 11	15 23.01	− 8 49.7	2.150	3.055	9.7	16.2
4 21	15 17.46	− 7 49.3	2.085	3.046	6.6	16.0
5 1	15 10.56	− 6 49.2	2.046	3.038	4.0	15.8
5 11	15 3.04	− 5 54.2	2.035	3.029	4.0	15.8
5 21	14 55.67	− 5 8.5	2.051	3.021	6.7	16.0
5 31	14 49.21	− 4 35.8	2.093	3.012	9.8	16.1
6 10	14 44.28	− 4 18.0	2.159	3.003	12.7	16.3

141281 2001 YD_{56} 5 9.0 257°.87 1°.5/10.1 18

4 1	15 29.42	−23 1.0	2.415	3.206	12.6	20.6
4 11	15 25.21	−23 0.8	2.312	3.194	10.0	20.4
4 21	15 19.00	−22 51.2	2.231	3.182	7.0	20.2
5 1	15 11.30	−22 32.5	2.176	3.169	3.7	19.9
5 11	15 2.85	−22 5.9	2.149	3.156	1.5	19.8
5 21	14 54.47	−21 34.0	2.150	3.143	4.3	19.9
5 31	14 46.99	−21 0.5	2.179	3.130	7.7	20.1
6 10	14 41.11	−20 29.6	2.233	3.117	10.9	20.3

1690 Mayrhofer 5 9.0 205°.33 0°.2/ 9.2 18 R

4 1	15 27.77	−21 12.2	2.524	3.321	12.0	16.4
4 11	15 23.66	−20 33.4	2.429	3.318	9.4	16.3
4 21	15 17.80	−19 44.6	2.358	3.315	6.3	16.1
5 1	15 10.68	−18 47.5	2.314	3.312	2.9	15.8
5 11	15 3.02	−17 45.3	2.298	3.308	0.7	15.6
5 21	14 55.54	−16 42.1	2.312	3.304	4.2	15.9
5 31	14 48.96	−15 42.2	2.354	3.300	7.5	16.1
6 10	14 43.84	−14 49.8	2.421	3.296	10.5	16.3

389752 2011 SA_{163} 5 9.0 261°.53 4°.4/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.08	−30 46.7	2.341	3.104	13.8	21.7
4 11	15 26.72	−31 13.9	2.243	3.098	11.4	21.5
4 21	15 20.13	−31 28.4	2.166	3.092	8.7	21.3
5 1	15 11.85	−31 28.2	2.114	3.086	6.0	21.1
5 11	15 2.71	−31 13.0	2.089	3.080	4.4	21.0
5 21	14 53.68	−30 44.7	2.092	3.074	5.5	21.1
5 31	14 45.70	−30 7.1	2.121	3.068	8.1	21.2
6 10	14 39.53	−29 25.5	2.175	3.062	11.0	21.4

338105 2002 PE_{201} 5 9.0 355°.58 1°.3/ 9.8 18

4 1	15 31.54	−21 2.1	1.976	2.781	14.5	20.2
4 11	15 27.19	−21 15.0	1.890	2.781	11.5	20.0
4 21	15 20.48	−21 19.3	1.825	2.781	7.9	19.8
5 1	15 12.00	−21 15.0	1.785	2.780	4.0	19.5
5 11	15 2.69	−21 3.3	1.772	2.780	1.4	19.4
5 21	14 53.55	−20 46.7	1.787	2.780	4.9	19.6
5 31	14 45.59	−20 29.1	1.828	2.780	8.8	19.8
6 10	14 39.58	−20 14.5	1.893	2.780	12.3	20.0

146104 2000 QP_{44} 5 9.0 188°.02 4°.3/ 5.2 18

4 1	15 27.48	− 4 38.9	2.655	3.470	10.9	20.5
4 11	15 23.22	− 3 50.3	2.574	3.470	8.6	20.3
4 21	15 17.40	− 3 2.4	2.517	3.469	6.2	20.2
5 1	15 10.48	− 2 18.8	2.487	3.467	4.5	20.1
5 11	15 3.08	− 1 43.2	2.485	3.466	4.7	20.1
5 21	14 55.85	− 1 18.5	2.511	3.464	6.6	20.2
5 31	14 49.41	− 1 6.8	2.564	3.462	9.1	20.3
6 10	14 44.27	− 1 8.6	2.640	3.459	11.4	20.5

287640 2003 JP_2 5 9.0 68°.79 0°.8/ 8.7 18

4 1	15 37.34	−12 38.1	2.198	2.998	13.4	20.1
4 11	15 31.17	−13 14.4	2.123	3.015	10.4	19.9
4 21	15 22.85	−13 49.8	2.072	3.031	6.9	19.7
5 1	15 12.99	−14 24.4	2.049	3.047	3.1	19.5
5 11	15 2.47	−14 58.3	2.054	3.063	1.2	19.4
5 21	14 52.22	−15 32.2	2.090	3.079	4.9	19.7
5 31	14 43.14	−16 6.9	2.154	3.095	8.4	19.9
6 10	14 35.89	−16 43.6	2.244	3.111	11.4	20.1

205104 1999 TZ_{227} 5 9.0 228°.04 0°.1/ 8.9 17

4 1	15 24.14	−18 21.3	3.945	4.736	8.1	22.4
4 11	15 20.25	−18 5.2	3.839	4.726	6.3	22.3
4 21	15 15.26	−17 44.5	3.759	4.715	4.2	22.1
5 1	15 9.48	−17 20.2	3.706	4.704	1.9	21.9
5 11	15 3.33	−16 53.8	3.684	4.693	0.5	21.8
5 21	14 57.25	−16 27.0	3.691	4.682	2.9	22.0
5 31	14 51.67	−16 1.9	3.728	4.670	5.2	22.1
6 10	14 46.97	−15 40.3	3.792	4.658	7.2	22.3

468910 2014 KQ_{76} 5 9.0 83°.07 26°.3/12.8 18

4 1	21 35.83	+19 30.3	0.134	0.915	126.0	22.3
4 11	19 43.27	+25 17.5	0.113	0.991	92.6	20.0
4 21	17 30.89	+25 10.2	0.118	1.062	58.4	19.1
5 1	15 51.97	+19 31.8	0.150	1.127	34.7	19.1
5 11	14 56.19	+13 25.9	0.201	1.186	26.5	19.6
5 21	14 27.13	+ 8 28.1	0.266	1.239	28.3	20.3
5 31	14 13.48	+ 4 27.4	0.342	1.285	32.5	21.1
6 10	14 9.22	+ 1 5.3	0.425	1.325	36.5	21.7

431416 2007 HS_{87} 5 9.0 340°.06 2°.7/ 8.0 17

4 1	15 33.07	− 9 46.2	1.556	2.389	16.5	20.8
4 11	15 28.92	−10 0.0	1.473	2.382	12.9	20.6
4 21	15 21.94	−10 14.7	1.411	2.376	8.8	20.3
5 1	15 12.77	−10 32.3	1.373	2.371	4.5	20.1
5 11	15 2.50	−10 55.1	1.360	2.366	3.1	20.0
5 21	14 52.38	−11 24.6	1.374	2.361	7.1	20.2
5 31	14 43.65	−12 2.1	1.412	2.357	11.5	20.4
6 10	14 37.26	−12 48.4	1.472	2.354	15.5	20.7

507833 2014 EB_{32} 5 9.0 356°.61 5°.0/11.1 17

4 1	15 32.14	−26 27.6	1.708	2.507	16.7	19.7
4 11	15 28.38	−27 41.3	1.623	2.502	13.7	19.4
4 21	15 21.72	−28 45.6	1.558	2.499	10.2	19.2
5 1	15 12.74	−29 36.6	1.516	2.496	6.8	19.0
5 11	15 2.50	−30 11.7	1.499	2.495	5.0	18.9
5 21	14 52.30	−30 30.9	1.509	2.495	6.8	19.0
5 31	14 43.46	−30 37.1	1.543	2.495	10.2	19.2
6 10	14 37.03	−30 35.8	1.600	2.497	13.7	19.4

135314 2001 SA_{271} 5 9.0 259°.15 1°.0/ 8.2 18

4 1	15 27.36	−17 29.1	2.227	3.040	12.8	19.9
4 11	15 23.59	−16 47.3	2.134	3.034	10.0	19.7
4 21	15 17.89	−15 56.9	2.065	3.028	6.6	19.5
5 1	15 10.78	−15 0.2	2.022	3.021	3.0	19.2
5 11	15 3.02	−14 1.3	2.007	3.015	1.5	19.1
5 21	14 55.44	−13 4.5	2.020	3.008	5.1	19.3
5 31	14 48.82	−12 14.5	2.060	3.002	8.7	19.5
6 10	14 43.81	−11 34.9	2.124	2.995	11.9	19.7

267396 2001 YD_{160} 5 9.0 332.°58 0.°8/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.54	−17 0.8	1.643	2.460	16.5	19.8
4 11	15 30.89	−17 44.5	1.556	2.455	13.0	19.6
4 21	15 23.32	−18 24.7	1.489	2.450	8.9	19.3
5 1	15 13.44	−19 0.3	1.447	2.445	4.2	19.0
5 11	15 2.34	−19 31.0	1.432	2.441	1.2	18.8
5 21	14 51.33	−19 57.4	1.443	2.437	5.8	19.1
5 31	14 41.70	−20 21.6	1.481	2.434	10.4	19.3
6 10	14 34.46	−20 46.6	1.541	2.431	14.5	19.6

428895 2008 UH_{350} 5 9.0 285.°48 2.°0/10.4 17

4 1	15 29.12	−25 1.4	1.921	2.721	15.0	21.1
4 11	15 25.56	−24 47.9	1.819	2.706	12.1	20.9
4 21	15 19.54	−24 20.1	1.739	2.691	8.5	20.6
5 1	15 11.65	−23 38.0	1.683	2.676	4.6	20.4
5 11	15 2.80	−22 43.9	1.654	2.661	2.0	20.2
5 21	14 54.06	−21 42.1	1.652	2.647	5.1	20.3
5 31	14 46.49	−20 38.7	1.676	2.632	9.2	20.5
6 10	14 40.92	−19 40.2	1.724	2.617	13.0	20.7

301292 2009 BK_{120} 5 9.0 310.°86 1.°0/ 9.7 17

4 1	15 28.74	−21 26.1	1.947	2.757	14.5	21.0
4 11	15 25.11	−21 21.2	1.854	2.749	11.5	20.7
4 21	15 19.15	−21 6.1	1.783	2.741	7.9	20.5
5 1	15 11.44	−20 41.2	1.736	2.733	3.9	20.2
5 11	15 2.87	−20 8.8	1.716	2.725	1.2	20.0
5 21	14 54.43	−19 32.4	1.723	2.717	5.0	20.3
5 31	14 47.13	−18 56.7	1.756	2.710	9.0	20.5
6 10	14 41.73	−18 26.3	1.812	2.703	12.7	20.7

302202 2001 UJ_{106} 5 9.0 217.°53 1.°0/ 8.4 14 C

4 1	15 34.82	−16 52.2	1.864	2.674	15.1	22.6
4 11	15 29.89	−16 28.0	1.768	2.665	11.8	22.4
4 21	15 22.40	−15 55.0	1.694	2.655	7.9	22.1
5 1	15 12.94	−15 15.2	1.646	2.645	3.6	21.8
5 11	15 2.50	−14 32.2	1.625	2.633	1.6	21.7
5 21	14 52.19	−13 50.4	1.632	2.621	6.0	21.9
5 31	14 43.11	−13 14.8	1.666	2.608	10.3	22.1
6 10	14 36.12	−12 49.6	1.722	2.594	14.2	22.4

199554 2006 EA_{20} 5 9.0 198.°90 1.°1/ 9.8 17

4 1	15 30.13	−22 36.7	2.086	2.886	14.0	20.8
4 11	15 25.94	−22 19.6	1.996	2.885	11.1	20.6
4 21	15 19.56	−21 51.1	1.928	2.883	7.6	20.4
5 1	15 11.57	−21 12.0	1.886	2.882	3.8	20.1
5 11	15 2.85	−20 25.0	1.871	2.880	1.2	19.9
5 21	14 54.34	−19 34.1	1.884	2.878	4.7	20.2
5 31	14 46.95	−18 44.3	1.924	2.875	8.5	20.4
6 10	14 41.40	−18 0.5	1.988	2.873	11.9	20.6

105895 2000 SE_{187} 5 9.0 156.°77 2.°6/ 6.9 18

4 1	15 28.44	− 9 35.1	2.670	3.481	11.0	20.3
4 11	15 23.96	− 9 8.0	2.588	3.486	8.5	20.2
4 21	15 17.90	− 8 39.4	2.531	3.490	5.8	20.0
5 1	15 10.72	− 8 11.9	2.501	3.494	3.3	19.8
5 11	15 3.07	− 7 48.4	2.500	3.498	3.0	19.8
5 21	14 55.61	− 7 31.3	2.527	3.501	5.3	20.0
5 31	14 48.96	− 7 22.6	2.582	3.504	8.0	20.1
6 10	14 43.64	− 7 23.6	2.661	3.507	10.5	20.3

368434 2002 VM_{47} 5 9.0 231.°68 0.°9/ 8.5 18

4 1	15 33.69	−16 2.2	2.078	2.885	13.8	22.2
4 11	15 28.79	−15 49.4	1.977	2.872	10.8	22.0
4 21	15 21.56	−15 30.2	1.898	2.858	7.3	21.7
5 1	15 12.54	−15 6.0	1.845	2.844	3.3	21.4
5 11	15 2.61	−14 39.5	1.821	2.829	1.4	21.3
5 21	14 52.73	−14 14.0	1.825	2.814	5.4	21.5
5 31	14 43.90	−13 53.3	1.856	2.797	9.5	21.7
6 10	14 36.93	−13 40.7	1.911	2.780	13.0	21.9

371060 2005 UA_{249} 5 9.0 152.°08 0.°5/ 8.8 17

4 1	15 32.85	−16 53.3	1.969	2.780	14.4	21.7
4 11	15 28.07	−16 47.5	1.888	2.784	11.2	21.5
4 21	15 20.99	−16 35.1	1.828	2.789	7.5	21.3
5 1	15 12.23	−16 17.4	1.793	2.792	3.4	21.0
5 11	15 2.71	−15 56.9	1.787	2.796	1.1	20.9
5 21	14 53.43	−15 36.9	1.808	2.799	5.2	21.2
5 31	14 45.35	−15 20.7	1.856	2.802	9.2	21.4
6 10	14 39.21	−15 11.7	1.928	2.805	12.6	21.6

169005 2001 DC_{37} 5 9.0 151.°17 1.°6/ 7.9 16

4 1	15 33.99	−15 16.7	1.974	2.785	14.3	21.0
4 11	15 28.82	−14 44.7	1.897	2.795	11.1	20.8
4 21	15 21.40	−14 6.0	1.842	2.804	7.4	20.6
5 1	15 12.37	−13 23.1	1.813	2.812	3.4	20.4
5 11	15 2.68	−12 40.0	1.812	2.819	2.0	20.3
5 21	14 53.31	−12 0.9	1.840	2.826	5.7	20.5
5 31	14 45.19	−11 29.9	1.894	2.832	9.6	20.8
6 10	14 39.00	−11 9.9	1.972	2.837	12.9	21.0

463555 2013 RZ_{54} 5 9.0 335.°02 0.°8/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.54	−22 28.8	1.344	2.180	18.4	20.8
4 11	15 24.39	−22 1.3	1.261	2.170	14.6	20.5
4 21	15 19.18	−21 16.2	1.196	2.161	10.1	20.2
5 1	15 11.59	−20 14.8	1.154	2.153	4.9	19.9
5 11	15 2.85	−19 2.0	1.135	2.145	1.2	19.6
5 21	14 54.33	−17 45.2	1.141	2.138	6.5	19.9
5 31	14 47.42	−16 33.5	1.171	2.132	11.7	20.2
6 10	14 43.08	−15 34.7	1.221	2.127	16.4	20.5

117231 2004 RY_{341} 5 9.0 318.°76 4.°2/ 6.5 17

4 1	15 26.56	−13 25.0	1.210	2.067	18.7	19.8
4 11	15 24.56	−12 16.3	1.130	2.054	14.6	19.5
4 21	15 19.39	−10 55.0	1.069	2.041	9.9	19.2
5 1	15 11.73	− 9 27.7	1.030	2.028	5.4	18.9
5 11	15 2.81	− 8 3.7	1.014	2.016	5.0	18.9
5 21	14 54.08	− 6 52.7	1.022	2.005	9.6	19.1
5 31	14 46.98	− 6 2.9	1.051	1.995	14.7	19.3
6 10	14 42.56	− 5 38.6	1.099	1.985	19.3	19.6

505878 2015 DR_{119} 5 9.0 190.°49 0.°3/ 8.9 17

4 1	15 31.94	−16 54.7	1.935	2.748	14.5	21.9
4 11	15 27.47	−16 56.1	1.850	2.748	11.3	21.7
4 21	15 20.67	−16 51.3	1.787	2.748	7.6	21.5
5 1	15 12.11	−16 41.3	1.749	2.748	3.4	21.2
5 11	15 2.74	−16 28.3	1.738	2.748	1.0	21.0
5 21	14 53.56	−16 15.2	1.755	2.747	5.2	21.3
5 31	14 45.56	−16 5.1	1.799	2.747	9.3	21.6
6 10	14 39.50	−16 1.4	1.865	2.746	12.8	21.8

387076 2012 TX_{91} 5 9.1 137.°11 1.°1/ 8.3 17

4 1	15 29.86	−15 35.4	2.095	2.910	13.5	21.4
4 11	15 25.61	−15 17.8	2.012	2.912	10.4	21.2
4 21	15 19.27	−14 54.2	1.952	2.914	6.9	21.0
5 1	15 11.44	−14 26.7	1.917	2.916	3.2	20.8
5 11	15 2.93	−13 58.4	1.911	2.919	1.6	20.6
5 21	14 54.64	−13 32.4	1.932	2.920	5.2	20.9
5 31	14 47.42	−13 12.4	1.979	2.922	8.9	21.1
6 10	14 41.94	−13 1.0	2.051	2.924	12.1	21.3

338654 2003 SB_{333} 5 9.1 199.°70 0.°5/ 9.4 17

4 1	15 29.47	−21 13.7	2.122	2.926	13.7	21.4
4 11	15 25.37	−20 49.3	2.033	2.924	10.8	21.1
4 21	15 19.15	−20 14.3	1.966	2.923	7.3	20.9
5 1	15 11.40	−19 29.9	1.924	2.921	3.5	20.7
5 11	15 2.95	−18 39.3	1.910	2.920	0.8	20.5
5 21	14 54.71	−17 46.7	1.925	2.918	4.7	20.8
5 31	14 47.55	−16 56.8	1.966	2.916	8.5	21.0
6 10	14 42.17	−16 14.2	2.032	2.913	11.9	21.2

335149 2004 XS_{30} 5 9.1 227.°30 10.°3/15.9 17

4 1	15 37.80	−42 9.3	1.405	2.148	22.2	20.7
4 11	15 34.07	−42 39.5	1.317	2.143	19.5	20.4
4 21	15 26.17	−42 39.7	1.243	2.136	16.3	20.2
5 1	15 14.94	−42 1.6	1.189	2.130	13.0	20.0
5 11	15 2.06	−40 41.5	1.155	2.122	10.7	19.8
5 21	14 49.59	−38 43.1	1.145	2.115	10.7	19.8
5 31	14 39.49	−36 18.2	1.159	2.107	13.2	19.9
6 10	14 33.00	−33 43.8	1.195	2.099	16.8	20.1

256569 2007 TC_{9} 5 9.1 89.°90 3.°8/ 6.7 18

4 1	15 30.73	−12 2.8	1.499	2.336	16.7	20.7
4 11	15 26.95	−11 3.7	1.429	2.342	13.0	20.5
4 21	15 20.47	− 9 57.9	1.380	2.347	8.8	20.2
5 1	15 12.04	− 8 50.8	1.356	2.352	4.8	20.0
5 11	15 2.80	− 7 49.4	1.357	2.358	4.4	20.0
5 21	14 53.94	− 7 0.0	1.384	2.363	8.1	20.2
5 31	14 46.59	− 6 27.5	1.434	2.368	12.3	20.5
6 10	14 41.53	− 6 14.1	1.506	2.373	16.0	20.7

431058 2006 BG_{138} 5 9.1 228.°40 3.°1/11.1 17

4 1	15 31.71	−26 53.0	1.999	2.785	15.0	21.6
4 11	15 27.46	−27 2.9	1.907	2.782	12.2	21.4
4 21	15 20.76	−26 59.6	1.835	2.779	8.8	21.1
5 1	15 12.21	−26 42.1	1.789	2.775	5.3	20.9
5 11	15 2.76	−26 11.3	1.768	2.771	3.1	20.8
5 21	14 53.48	−25 30.3	1.776	2.767	5.2	20.9
5 31	14 45.42	−24 44.0	1.809	2.763	8.8	21.1
6 10	14 39.40	−23 58.6	1.867	2.759	12.3	21.3

99416 2002 AY_{128} 5 9.1 324.°61 8.°3/ 3.6 17

4 1	15 29.16	+ 2 1.9	1.780	2.608	14.9	19.5
4 11	15 25.32	+ 3 9.3	1.711	2.605	12.3	19.3
4 21	15 19.20	+ 4 10.5	1.662	2.602	9.8	19.1
5 1	15 11.44	+ 4 58.6	1.638	2.599	8.4	19.0
5 11	15 2.96	+ 5 27.3	1.639	2.597	8.9	19.0
5 21	14 54.73	+ 5 32.9	1.664	2.594	11.0	19.2
5 31	14 47.70	+ 5 14.4	1.712	2.592	13.7	19.3
6 10	14 42.57	+ 4 33.5	1.779	2.590	16.4	19.5

430979 2005 WN_{119} 5 9.1 132°.87 1°.4/ 8.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.54	−13 14.3	2.251	3.053	13.1	21.6
4 11	15 29.73	−13 14.6	2.174	3.067	10.1	21.5
4 21	15 21.87	−13 11.7	2.122	3.081	6.7	21.3
5 1	15 12.58	−13 7.3	2.096	3.094	3.1	21.1
5 11	15 2.70	−13 3.3	2.100	3.107	1.7	21.0
5 21	14 53.10	−13 1.7	2.133	3.119	5.1	21.2
5 31	14 44.62	−13 4.8	2.194	3.130	8.5	21.5
6 10	14 37.89	−13 14.3	2.279	3.141	11.5	21.7

437504 2013 YP_{77} 5 9.1 166°.09 2°.6/ 7.3 17

4 1	15 30.36	−10 52.5	2.202	3.018	12.8	21.6
4 11	15 25.85	−10 28.8	2.120	3.020	10.0	21.4
4 21	15 19.37	−10 2.4	2.061	3.022	6.7	21.2
5 1	15 11.48	− 9 36.4	2.028	3.024	3.6	21.0
5 11	15 2.96	− 9 13.7	2.023	3.025	3.0	20.9
5 21	14 54.65	− 8 57.6	2.047	3.026	5.9	21.1
5 31	14 47.35	− 8 50.5	2.097	3.027	9.2	21.3
6 10	14 41.69	− 8 53.9	2.171	3.028	12.2	21.5

181833 1998 SW_{112} 5 9.1 280°.28 1°.3/ 9.6 18

4 1	15 34.34	−20 2.9	1.719	2.529	16.1	20.7
4 11	15 30.14	−20 21.4	1.610	2.505	12.9	20.4
4 21	15 23.01	−20 32.1	1.522	2.480	9.0	20.1
5 1	15 13.45	−20 34.1	1.457	2.454	4.5	19.8
5 11	15 2.43	−20 27.9	1.419	2.428	1.4	19.5
5 21	14 51.23	−20 15.9	1.408	2.402	5.9	19.7
5 31	14 41.20	−20 2.1	1.423	2.376	10.8	19.9
6 10	14 33.48	−19 51.5	1.460	2.350	15.2	20.1

430164 2013 TT_{79} 5 9.1 192°.38 7°.3/ 2.4 18

4 1	15 30.65	+ 5 5.4	2.576	3.375	11.7	22.1
4 11	15 25.72	+ 6 15.3	2.501	3.373	9.8	22.0
4 21	15 19.11	+ 7 19.1	2.451	3.370	8.1	21.9
5 1	15 11.32	+ 8 11.6	2.426	3.366	7.3	21.8
5 11	15 3.01	+ 8 48.1	2.429	3.362	7.8	21.8
5 21	14 54.88	+ 9 5.8	2.458	3.357	9.3	21.9
5 31	14 47.62	+ 9 3.8	2.512	3.351	11.3	22.0
6 10	14 41.75	+ 8 42.9	2.587	3.344	13.2	22.2

315347 2007 UA_{11} 5 9.1 156°.12 1°.1/ 8.5 17

4 1	15 35.10	−15 32.9	1.810	2.623	15.3	20.9
4 11	15 30.00	−15 22.1	1.730	2.629	11.9	20.7
4 21	15 22.38	−15 5.1	1.673	2.635	8.0	20.5
5 1	15 12.91	−14 43.6	1.641	2.640	3.6	20.2
5 11	15 2.63	−14 20.6	1.636	2.644	1.6	20.1
5 21	14 52.63	−13 59.8	1.659	2.648	5.8	20.4
5 31	14 43.98	−13 44.8	1.708	2.651	10.0	20.6
6 10	14 37.46	−13 38.7	1.780	2.654	13.6	20.9

177103 2003 FT_{115} 5 9.1 19°.17 1°.4/ 9.9 17

4 1	15 27.86	−22 11.8	1.914	2.724	14.7	19.9
4 11	15 24.36	−22 10.4	1.835	2.729	11.6	19.7
4 21	15 18.60	−21 58.4	1.777	2.734	8.0	19.5
5 1	15 11.19	−21 36.4	1.744	2.740	4.0	19.3
5 11	15 3.05	−21 6.5	1.737	2.746	1.4	19.1
5 21	14 55.17	−20 32.5	1.758	2.753	4.8	19.3
5 31	14 48.48	−19 58.7	1.804	2.760	8.7	19.6
6 10	14 43.70	−19 29.7	1.874	2.767	12.1	19.8

203438 2001 YP_{68} 5 9.1 173°.43 2°.3/10.4 18

4 1	15 35.00	−24 21.1	1.679	2.479	16.9	20.5
4 11	15 30.36	−24 22.4	1.595	2.481	13.5	20.3
4 21	15 22.87	−24 9.9	1.531	2.483	9.5	20.0
5 1	15 13.22	−23 42.9	1.492	2.484	5.1	19.8
5 11	15 2.56	−23 3.3	1.478	2.485	2.3	19.6
5 21	14 52.18	−22 15.5	1.491	2.485	5.7	19.8
5 31	14 43.31	−21 25.7	1.531	2.485	10.0	20.0
6 10	14 36.87	−20 40.6	1.593	2.485	14.0	20.3

95350 2002 CJ_{138} 5 9.1 186°.00 1°.1/ 8.4 18

4 1	15 34.01	−17 14.6	1.876	2.687	15.0	20.1
4 11	15 29.12	−16 40.6	1.790	2.687	11.7	19.9
4 21	15 21.79	−15 57.3	1.725	2.687	7.8	19.7
5 1	15 12.66	−15 7.1	1.687	2.686	3.5	19.4
5 11	15 2.71	−14 14.1	1.675	2.684	1.6	19.3
5 21	14 53.00	−13 23.3	1.692	2.681	5.8	19.5
5 31	14 44.58	−12 39.7	1.736	2.678	10.0	19.8
6 10	14 38.21	−12 7.7	1.803	2.673	13.7	20.0

267355 2001 XE 5 9.1 105°.52 9°.9/16.3 18

4 1	15 50.04	−46 20.8	2.364	3.012	16.4	21.0
4 11	15 42.20	−47 56.4	2.296	3.040	14.6	20.9
4 21	15 30.91	−49 12.2	2.248	3.067	12.7	20.8
5 1	15 16.95	−50 1.6	2.222	3.094	11.1	20.8
5 11	15 1.66	−50 20.2	2.220	3.119	10.0	20.8
5 21	14 46.67	−50 8.4	2.244	3.144	10.0	20.8
5 31	14 33.53	−49 30.9	2.293	3.168	10.9	20.9
6 10	14 23.33	−48 36.2	2.365	3.191	12.3	21.0

466195 2012 KR_{49} 5 9.1 349°.13 4°.7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.28	− 9 59.9	1.324	2.179	17.5	20.3
4 11	15 23.96	− 9 12.2	1.251	2.172	13.7	20.1
4 21	15 18.77	− 8 19.8	1.197	2.166	9.4	19.8
5 1	15 11.40	− 7 28.6	1.166	2.162	5.6	19.6
5 11	15 3.01	− 6 45.6	1.158	2.158	5.3	19.5
5 21	14 54.87	− 6 17.0	1.174	2.155	9.1	19.7
5 31	14 48.24	− 6 7.1	1.213	2.153	13.5	20.0
6 10	14 44.03	− 6 17.4	1.270	2.152	17.5	20.2

402561 2006 QP_{54} 5 9.1 246°.49 0°.2/ 9.3 18

4 1	15 24.93	−19 20.5	3.747	4.536	8.5	21.9
4 11	15 20.99	−19 11.0	3.638	4.523	6.7	21.8
4 21	15 15.84	−18 56.5	3.554	4.508	4.5	21.6
5 1	15 9.83	−18 37.8	3.497	4.494	2.1	21.4
5 11	15 3.40	−18 16.3	3.470	4.480	0.5	21.3
5 21	14 57.02	−17 53.6	3.473	4.465	3.0	21.5
5 31	14 51.16	−17 31.8	3.506	4.450	5.4	21.6
6 10	14 46.24	−17 12.8	3.564	4.435	7.5	21.7

377735 2005 XH_{21} 5 9.1 293°.91 2°.4/ 8.1 18

4 1	15 33.83	−11 12.8	1.688	2.513	15.7	19.5
4 11	15 29.62	−11 17.9	1.584	2.488	12.5	19.2
4 21	15 22.58	−11 21.8	1.500	2.464	8.5	18.9
5 1	15 13.23	−11 26.6	1.441	2.439	4.2	18.6
5 11	15 2.53	−11 34.8	1.408	2.414	2.8	18.4
5 21	14 51.68	−11 48.9	1.402	2.389	7.0	18.6
5 31	14 41.98	−12 11.3	1.421	2.364	11.6	18.8
6 10	14 34.48	−12 43.7	1.462	2.340	15.9	19.0

346883 2009 JH_{4} 5 9.1 276°.44 1°.0/10.5 18

4 1	15 21.54	−24 24.6	4.329	5.104	7.7	20.7
4 11	15 18.22	−24 3.5	4.227	5.100	6.1	20.5
4 21	15 13.90	−23 35.9	4.150	5.096	4.2	20.4
5 1	15 8.91	−23 2.5	4.101	5.092	2.3	20.3
5 11	15 3.63	−22 24.7	4.081	5.088	1.0	20.1
5 21	14 58.44	−21 44.2	4.091	5.084	2.5	20.3
5 31	14 53.73	−21 3.3	4.131	5.080	4.5	20.4
6 10	14 49.82	−20 24.0	4.197	5.076	6.3	20.5

428852 2008 US_{84} 5 9.1 220°.71 2°.0/10.2 17

4 1	15 32.17	−22 57.6	1.990	2.788	14.7	21.4
4 11	15 27.76	−23 13.0	1.901	2.787	11.7	21.2
4 21	15 20.94	−23 18.5	1.834	2.785	8.2	21.0
5 1	15 12.31	−23 13.6	1.791	2.784	4.4	20.8
5 11	15 2.80	−22 59.3	1.776	2.783	2.0	20.6
5 21	14 53.46	−22 38.2	1.788	2.781	5.0	20.8
5 31	14 45.30	−22 14.2	1.827	2.780	8.8	21.0
6 10	14 39.13	−21 52.0	1.889	2.778	12.3	21.2

300921 2008 CC_{29} 5 9.1 109°.96 4°.5/12.5 17

4 1	15 31.04	−31 57.1	2.360	3.118	13.8	20.6
4 11	15 26.64	−32 20.0	2.271	3.121	11.4	20.5
4 21	15 20.05	−32 29.0	2.202	3.124	8.8	20.3
5 1	15 11.86	−32 22.5	2.158	3.127	6.1	20.1
5 11	15 2.92	−32 0.6	2.141	3.130	4.6	20.0
5 21	14 54.17	−31 25.3	2.151	3.132	5.5	20.1
5 31	14 46.51	−30 41.0	2.188	3.135	7.9	20.2
6 10	14 40.67	−29 53.0	2.250	3.138	10.6	20.4

222244 2000 LT_{21} 5 9.1 303°.28 0°.8/ 9.7 18

4 1	15 27.50	−23 49.9	1.606	2.424	16.7	19.5
4 11	15 24.79	−23 6.3	1.504	2.404	13.4	19.3
4 21	15 19.32	−22 3.6	1.424	2.384	9.2	19.0
5 1	15 11.69	−20 43.0	1.366	2.364	4.5	18.6
5 11	15 2.94	−19 9.2	1.335	2.344	1.1	18.3
5 21	14 54.30	−17 29.6	1.329	2.325	6.0	18.6
5 31	14 46.99	−15 53.7	1.349	2.306	10.9	18.8
6 10	14 41.96	−14 29.9	1.391	2.287	15.4	19.1

292428 2006 SG_{321} 5 9.1 5°.92 4°.4/ 6.9 17

4 1	15 25.97	−10 59.3	1.141	2.005	19.1	20.0
4 11	15 24.05	−10 16.3	1.078	2.005	14.9	19.7
4 21	15 18.97	− 9 27.8	1.033	2.005	10.1	19.4
5 1	15 11.52	− 8 40.1	1.010	2.008	5.6	19.2
5 11	15 3.01	− 8 0.6	1.009	2.011	5.1	19.2
5 21	14 54.90	− 7 35.6	1.031	2.016	9.2	19.4
5 31	14 48.53	− 7 29.5	1.074	2.022	14.0	19.7
6 10	14 44.85	− 7 43.7	1.136	2.029	18.3	20.0

497042 2003 SO_{197} 5 9.1 262°.11 2°.2/10.2 17

4 1	15 35.26	−23 3.3	1.789	2.588	16.0	22.3
4 11	15 30.78	−23 17.0	1.679	2.566	12.9	22.0
4 21	15 23.39	−23 19.8	1.591	2.543	9.2	21.7
5 1	15 13.62	−23 10.5	1.526	2.519	4.9	21.4
5 11	15 2.47	−22 49.3	1.488	2.495	2.2	21.2
5 21	14 51.19	−22 19.1	1.477	2.471	5.8	21.4
5 31	14 41.11	−21 44.7	1.492	2.445	10.4	21.6
6 10	14 33.33	−21 12.4	1.531	2.420	14.6	21.8

304677 2006 WK_{103} 5 9.1 174.°80 0.°9/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.18	−15 9.7	2.806	3.608	10.8	21.7
4 11	15 24.56	−14 56.7	2.717	3.610	8.3	21.5
4 21	15 18.34	−14 39.5	2.652	3.611	5.5	21.4
5 1	15 11.00	−14 19.6	2.614	3.612	2.5	21.2
5 11	15 3.16	−13 59.0	2.606	3.613	1.2	21.0
5 21	14 55.46	−13 40.1	2.626	3.614	4.1	21.3
5 31	14 48.55	−13 25.3	2.676	3.614	7.1	21.4
6 10	14 42.95	−13 16.5	2.750	3.614	9.7	21.6

498578 2008 NX_2 5 9.1 320.°65 5.°2/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.61	−31 7.5	1.746	2.528	17.0	20.6
4 11	15 27.91	−31 30.4	1.658	2.525	14.1	20.4
4 21	15 21.35	−31 36.1	1.589	2.521	10.8	20.2
5 1	15 12.60	−31 21.8	1.542	2.518	7.3	20.0
5 11	15 2.76	−30 47.5	1.520	2.515	5.2	19.8
5 21	14 53.13	−29 56.5	1.525	2.512	6.6	19.9
5 31	14 44.96	−28 55.1	1.554	2.509	9.9	20.1
6 10	14 39.18	−27 51.3	1.606	2.506	13.4	20.3

179621 2002 PY_{36} 5 9.1 271.°26 6.°4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.71	− 4 25.0	1.778	2.606	14.9	21.1
4 11	15 27.66	− 3 21.7	1.678	2.581	12.0	20.8
4 21	15 21.07	− 2 16.7	1.600	2.555	8.9	20.6
5 1	15 12.48	− 1 16.4	1.547	2.529	6.6	20.4
5 11	15 2.78	− 0 27.6	1.520	2.502	7.0	20.3
5 21	14 53.05	+ 0 4.0	1.519	2.475	9.9	20.4
5 31	14 44.41	+ 0 14.4	1.542	2.447	13.5	20.6
6 10	14 37.77	+ 0 2.5	1.585	2.418	17.0	20.7

141343 2002 AK_{13} 5 9.1 111.°10 10.°0/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.64	+17 12.2	2.679	3.444	12.1	20.3
4 11	15 24.03	+18 40.5	2.643	3.462	11.0	20.2
4 21	15 17.89	+19 54.8	2.629	3.479	10.2	20.2
5 1	15 10.75	+20 49.4	2.639	3.496	10.0	20.2
5 11	15 3.25	+21 20.6	2.673	3.513	10.5	20.2
5 21	14 56.06	+21 27.3	2.729	3.529	11.4	20.3
5 31	14 49.77	+21 10.0	2.805	3.545	12.6	20.4
6 10	14 44.84	+20 31.5	2.900	3.561	13.8	20.6

411723 2012 BM_{21} 5 9.1 50.°36 1.°1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.36	−16 58.9	1.367	2.203	18.1	21.0
4 11	15 27.73	−16 35.6	1.303	2.215	14.1	20.8
4 21	15 21.14	−16 2.6	1.260	2.227	9.4	20.6
5 1	15 12.43	−15 22.6	1.239	2.239	4.2	20.3
5 11	15 2.85	−14 40.7	1.243	2.252	1.7	20.2
5 21	14 53.76	−14 2.4	1.272	2.265	6.7	20.5
5 31	14 46.37	−13 33.2	1.325	2.278	11.5	20.8
6 10	14 41.51	−13 17.1	1.399	2.291	15.6	21.1

465046 2006 QW_{148} 5 9.1 270.°61 1.°1/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.25	−16 11.6	1.686	2.509	15.9	21.8
4 11	15 28.33	−15 54.4	1.586	2.490	12.5	21.5
4 21	15 21.65	−15 29.0	1.507	2.471	8.4	21.2
5 1	15 12.79	−14 57.1	1.453	2.452	3.9	20.9
5 11	15 2.73	−14 22.4	1.424	2.433	1.7	20.7
5 21	14 52.66	−13 49.2	1.422	2.413	6.4	21.0
5 31	14 43.83	−13 22.6	1.445	2.393	11.2	21.2
6 10	14 37.22	−13 7.0	1.491	2.372	15.4	21.4

496987 2002 RR_{174} 5 9.1 256.°01 0.°7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.05	−18 19.3	1.899	2.711	14.8	22.1
4 11	15 27.85	−17 48.0	1.794	2.691	11.6	21.8
4 21	15 21.15	−17 6.0	1.710	2.671	7.9	21.6
5 1	15 12.50	−16 15.0	1.652	2.651	3.6	21.2
5 11	15 2.81	−15 18.9	1.620	2.629	1.3	21.0
5 21	14 53.15	−14 22.4	1.617	2.608	5.8	21.3
5 31	14 44.60	−13 31.6	1.640	2.585	10.2	21.5
6 10	14 38.05	−12 51.3	1.686	2.562	14.2	21.7

499230 2009 UX_{110} 5 9.1 194.°99 0.°1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.65	−21 26.6	2.123	2.924	13.8	22.5
4 11	15 26.29	−20 44.7	2.031	2.922	10.8	22.2
4 21	15 19.79	−19 50.7	1.962	2.920	7.3	22.0
5 1	15 11.75	−18 46.4	1.919	2.917	3.4	21.8
5 11	15 3.02	−17 35.8	1.905	2.914	0.8	21.6
5 21	14 54.53	−16 24.0	1.919	2.911	4.9	21.8
5 31	14 47.15	−15 16.8	1.960	2.907	8.7	22.1
6 10	14 41.56	−14 19.0	2.026	2.903	12.1	22.3

33361 1999 AU_{25} 5 9.1 5.°06 5.°7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.68	−26 51.1	1.003	1.849	22.5	18.3
4 11	15 25.61	−27 43.8	0.939	1.848	18.4	18.0
4 21	15 20.62	−28 17.7	0.891	1.849	13.7	17.8
5 1	15 12.50	−28 28.6	0.862	1.851	8.7	17.5
5 11	15 2.82	−28 15.8	0.852	1.855	5.8	17.4
5 21	14 53.50	−27 43.1	0.864	1.860	8.3	17.5
5 31	14 46.39	−26 59.3	0.897	1.867	13.1	17.8
6 10	14 42.69	−26 14.9	0.947	1.875	17.8	18.1

250523 2004 PV_{33} 5 9.1 304.°80 5.°3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.84	−32 31.0	2.176	2.939	14.7	20.3
4 11	15 26.19	−33 0.9	2.066	2.918	12.3	20.0
4 21	15 20.09	−33 16.6	1.976	2.897	9.6	19.8
5 1	15 12.04	−33 15.3	1.909	2.876	6.9	19.6
5 11	15 2.92	−32 56.1	1.868	2.855	5.3	19.5
5 21	14 53.77	−32 20.5	1.853	2.834	6.3	19.5
5 31	14 45.68	−31 32.7	1.865	2.814	9.0	19.6
6 10	14 39.53	−30 38.9	1.900	2.793	12.0	19.8

469744 2005 NC_{117} 5 9.1 228.°91 0.°1/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.62	−18 39.9	2.487	3.289	12.0	22.5
4 11	15 24.45	−18 21.7	2.391	3.283	9.3	22.3
4 21	15 18.45	−17 56.2	2.318	3.276	6.3	22.1
5 1	15 11.13	−17 24.6	2.271	3.270	2.9	21.9
5 11	15 3.18	−16 49.5	2.253	3.262	0.7	21.7
5 21	14 55.35	−16 13.9	2.264	3.255	4.3	21.9
5 31	14 48.40	−15 41.3	2.302	3.248	7.7	22.1
6 10	14 42.92	−15 15.0	2.365	3.240	10.7	22.3

229806 2008 SX_{112} 5 9.1 7.°09 2.°4/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.62	−13 0.1	1.832	2.658	14.6	20.3
4 11	15 25.74	−12 31.5	1.752	2.659	11.4	20.0
4 21	15 19.55	−11 57.8	1.694	2.659	7.6	19.8
5 1	15 11.68	−11 22.2	1.661	2.659	3.8	19.6
5 11	15 3.05	−10 48.8	1.655	2.659	2.8	19.5
5 21	14 54.65	−10 21.6	1.675	2.660	6.4	19.7
5 31	14 47.45	−10 4.4	1.721	2.660	10.2	20.0
6 10	14 42.18	− 9 59.4	1.790	2.661	13.7	20.2

134346 Pinatubo 5 9.1 278.°83 2.°4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.21	−13 39.0	1.695	2.520	15.7	19.9
4 11	15 28.35	−13 11.3	1.588	2.494	12.4	19.6
4 21	15 21.73	−12 36.5	1.503	2.468	8.4	19.3
5 1	15 12.88	−11 57.4	1.442	2.441	4.1	19.0
5 11	15 2.74	−11 18.2	1.407	2.413	2.9	18.9
5 21	14 52.50	−10 44.0	1.399	2.385	7.2	19.0
5 31	14 43.41	−10 19.8	1.416	2.357	11.9	19.2
6 10	14 36.48	−10 9.5	1.454	2.328	16.1	19.4

508512 2016 QO_{52} 5 9.1 177.°34 1.°3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.97	−14 47.8	2.643	3.451	11.2	22.2
4 11	15 23.73	−14 19.6	2.556	3.452	8.7	22.0
4 21	15 17.85	−13 46.5	2.492	3.453	5.7	21.8
5 1	15 10.82	−13 10.6	2.455	3.453	2.7	21.6
5 11	15 3.28	−12 34.8	2.447	3.454	1.7	21.5
5 21	14 55.90	−12 2.0	2.468	3.454	4.5	21.7
5 31	14 49.35	−11 35.1	2.517	3.453	7.6	21.9
6 10	14 44.15	−11 16.4	2.591	3.453	10.3	22.1

308100 2004 VU_{39} 5 9.1 60.°76 1.°3/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.77	−15 45.1	1.320	2.157	18.6	21.2
4 11	15 29.69	−15 34.2	1.259	2.170	14.5	21.0
4 21	15 22.51	−15 15.4	1.217	2.184	9.6	20.8
5 1	15 13.08	−14 51.3	1.198	2.198	4.4	20.5
5 11	15 2.75	−14 26.0	1.204	2.213	1.9	20.4
5 21	14 52.95	−14 4.2	1.235	2.227	6.9	20.7
5 31	14 44.96	−13 50.6	1.290	2.242	11.7	21.0
6 10	14 39.63	−13 48.5	1.365	2.257	15.9	21.3

177294 2003 XO_{17} 5 9.1 290.°54 1.°8/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.11	−15 37.1	1.508	2.342	16.8	19.9
4 11	15 26.87	−15 6.1	1.417	2.328	13.2	19.7
4 21	15 20.76	−14 25.5	1.347	2.314	8.9	19.4
5 1	15 12.41	−13 38.4	1.300	2.300	4.2	19.1
5 11	15 2.88	−12 49.5	1.278	2.286	2.4	18.9
5 21	14 53.45	−12 4.9	1.282	2.272	7.1	19.1
5 31	14 45.41	−11 30.5	1.310	2.258	12.0	19.4
6 10	14 39.72	−11 10.7	1.358	2.244	16.3	19.6

433363 2013 SN_{25} 5 9.1 148.°50 4.°7/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.07	−30 29.5	1.966	2.736	15.8	21.6
4 11	15 29.43	−30 54.9	1.880	2.740	13.0	21.4
4 21	15 22.17	−31 5.3	1.814	2.744	9.8	21.2
5 1	15 12.94	−30 58.3	1.772	2.747	6.6	21.0
5 11	15 2.78	−30 33.9	1.756	2.750	4.7	20.9
5 21	14 52.85	−29 54.8	1.767	2.753	6.0	21.0
5 31	14 44.28	−29 6.3	1.805	2.756	9.1	21.2
6 10	14 37.91	−28 15.1	1.866	2.758	12.3	21.4

202452 2005 YA_{152} 5 9.1 111.°71 0.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.25	−19 11.1	1.536	2.352	17.4	22.0
4 11	15 31.28	−19 1.6	1.468	2.367	13.6	21.8
4 21	15 23.42	−18 41.5	1.420	2.381	9.2	21.6
5 1	15 13.47	−18 12.3	1.396	2.395	4.2	21.3
5 11	15 2.67	−17 37.4	1.399	2.408	1.0	21.1
5 21	14 52.35	−17 1.3	1.428	2.421	6.0	21.5
5 31	14 43.71	−16 29.6	1.482	2.434	10.6	21.8
6 10	14 37.57	−16 7.0	1.559	2.446	14.6	22.0

414120 2007 UC_{68} 5 9.1 209°.85 1°.5/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.19	−14 22.7	1.778	2.594	15.4	21.9
4 11	15 30.29	−14 13.6	1.690	2.590	12.1	21.6
4 21	15 22.76	−13 59.2	1.623	2.585	8.1	21.4
5 1	15 13.23	−13 41.4	1.580	2.579	3.8	21.1
5 11	15 2.71	−13 23.2	1.565	2.573	2.0	21.0
5 21	14 52.34	−13 7.9	1.578	2.566	6.2	21.2
5 31	14 43.26	−12 59.1	1.617	2.559	10.5	21.5
6 10	14 36.35	−12 59.9	1.678	2.552	14.4	21.7

368438 2002 VU_{147} 5 9.1 191°.73 3°.2/11.1 17

4 1	15 34.92	−27 1.5	2.047	2.826	15.0	21.1
4 11	15 29.95	−27 16.5	1.955	2.825	12.1	20.9
4 21	15 22.46	−27 18.8	1.883	2.823	8.8	20.7
5 1	15 13.07	−27 6.9	1.836	2.821	5.4	20.5
5 11	15 2.75	−26 41.4	1.816	2.818	3.2	20.4
5 21	14 52.60	−26 5.0	1.825	2.815	5.3	20.5
5 31	14 43.70	−25 22.6	1.860	2.811	8.8	20.7
6 10	14 36.87	−24 40.0	1.919	2.807	12.2	20.9

338602 2003 SX_{174} 5 9.1 256°.83 1°.4/10.0 17

4 1	15 31.60	−22 30.6	2.183	2.978	13.7	21.8
4 11	15 27.24	−22 31.6	2.077	2.962	10.9	21.5
4 21	15 20.61	−22 22.8	1.993	2.945	7.6	21.3
5 1	15 12.24	−22 4.1	1.934	2.928	3.9	21.0
5 11	15 2.94	−21 36.8	1.903	2.911	1.5	20.8
5 21	14 53.67	−21 3.9	1.900	2.893	4.7	21.0
5 31	14 45.40	−20 29.3	1.924	2.875	8.5	21.2
6 10	14 38.91	−19 57.8	1.972	2.857	12.1	21.4

227854 2007 DS_{49} 5 9.1 336°.51 5°.5/11.6 17

4 1	15 31.87	−28 33.8	1.529	2.329	18.2	20.1
4 11	15 28.60	−29 23.5	1.442	2.322	15.1	19.9
4 21	15 22.14	−29 58.9	1.374	2.315	11.4	19.6
5 1	15 13.12	−30 16.2	1.328	2.308	7.6	19.4
5 11	15 2.72	−30 13.9	1.306	2.303	5.5	19.2
5 21	14 52.41	−29 53.5	1.309	2.297	7.2	19.3
5 31	14 43.66	−29 20.6	1.336	2.293	11.0	19.5
6 10	14 37.60	−28 42.9	1.384	2.289	14.9	19.7

144583 2004 FR_{35} 5 9.1 54°.33 4°.1/ 5.8 18

4 1	15 27.07	− 8 32.0	2.104	2.931	13.0	20.2
4 11	15 23.38	− 7 32.2	2.028	2.934	10.1	20.0
4 21	15 17.78	− 6 29.9	1.976	2.937	7.0	19.8
5 1	15 10.83	− 5 29.7	1.950	2.940	4.5	19.7
5 11	15 3.32	− 4 36.7	1.951	2.943	4.6	19.7
5 21	14 56.05	− 3 55.2	1.980	2.946	7.1	19.9
5 31	14 49.78	− 3 28.5	2.034	2.950	10.2	20.0
6 10	14 45.12	− 3 17.7	2.110	2.953	13.0	20.2

343682 2010 XW_{67} 5 9.1 7°.65 10°.0/14.7 17

4 1	15 30.58	−37 56.8	1.407	2.180	20.8	20.2
4 11	15 28.16	−39 12.5	1.334	2.181	18.0	20.0
4 21	15 22.11	−40 5.5	1.277	2.184	14.9	19.8
5 1	15 13.16	−40 29.0	1.240	2.187	12.0	19.6
5 11	15 2.73	−40 19.6	1.224	2.191	10.2	19.5
5 21	14 52.58	−39 38.9	1.230	2.196	10.5	19.5
5 31	14 44.40	−38 34.2	1.258	2.203	12.7	19.7
6 10	14 39.37	−37 16.8	1.306	2.210	15.6	19.9

58135 1981 EK_{42} 5 9.1 73°.84 1°.3/ 8.1 18

4 1	15 27.89	−15 56.7	2.217	3.032	12.8	19.5
4 11	15 23.93	−15 22.5	2.142	3.042	9.9	19.3
4 21	15 18.09	−14 41.8	2.089	3.052	6.5	19.1
5 1	15 10.96	−13 57.2	2.064	3.063	3.0	18.9
5 11	15 3.30	−13 12.4	2.066	3.073	1.7	18.8
5 21	14 55.90	−12 31.2	2.096	3.083	5.0	19.1
5 31	14 49.53	−11 57.2	2.153	3.094	8.4	19.3
6 10	14 44.75	−11 33.1	2.234	3.104	11.4	19.5

141287 2001 YL_{69} 5 9.1 177°.07 0°.6/ 8.6 18

4 1	15 28.89	−16 46.0	2.774	3.574	10.9	20.5
4 11	15 24.39	−16 28.8	2.684	3.575	8.5	20.3
4 21	15 18.28	−16 6.3	2.617	3.576	5.6	20.1
5 1	15 11.03	−15 39.8	2.578	3.577	2.5	19.9
5 11	15 3.27	−15 11.7	2.569	3.577	1.0	19.8
5 21	14 55.67	−14 44.4	2.588	3.577	4.0	20.0
5 31	14 48.86	−14 20.7	2.636	3.577	7.1	20.2
6 10	14 43.38	−14 3.0	2.710	3.576	9.7	20.4

132237 2002 EL_{79} 5 9.1 133°.21 1°.8/ 7.9 18

4 1	15 33.78	−16 17.0	1.755	2.571	15.6	20.2
4 11	15 28.94	−15 27.4	1.683	2.584	12.1	20.0
4 21	15 21.64	−14 28.6	1.633	2.596	8.0	19.8
5 1	15 12.62	−13 24.3	1.608	2.607	3.7	19.6
5 11	15 2.91	−12 19.8	1.611	2.618	2.3	19.5
5 21	14 53.63	−11 20.8	1.642	2.628	6.3	19.8
5 31	14 45.75	−10 32.7	1.699	2.638	10.4	20.0
6 10	14 39.99	− 9 59.1	1.778	2.646	13.9	20.3

32577 2001 QC_{87} 5 9.1 155°.34 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.81	−23 52.4	2.036	2.831	14.5	18.5
4 11	15 27.26	−23 13.4	1.952	2.837	11.5	18.3
4 21	15 20.47	−22 20.4	1.889	2.842	7.9	18.1
5 1	15 12.08	−21 14.9	1.851	2.847	3.9	17.9
5 11	15 3.04	−20 0.9	1.842	2.851	1.1	17.7
5 21	14 54.32	−18 43.6	1.862	2.855	4.8	17.9
5 31	14 46.83	−17 29.5	1.909	2.859	8.7	18.2
6 10	14 41.26	−16 24.1	1.980	2.862	12.1	18.4

427131 2014 UN_{105} 5 9.1 129°.12 1°.0/ 9.8 17

4 1	15 32.34	−22 50.4	1.698	2.506	16.4	21.8
4 11	15 28.13	−22 25.1	1.619	2.512	12.9	21.6
4 21	15 21.28	−21 45.6	1.561	2.518	8.9	21.4
5 1	15 12.52	−20 53.1	1.527	2.524	4.3	21.1
5 11	15 2.94	−19 51.6	1.520	2.529	1.2	20.9
5 21	14 53.71	−18 46.6	1.540	2.535	5.5	21.2
5 31	14 45.94	−17 44.8	1.586	2.540	9.8	21.5
6 10	14 40.41	−16 52.3	1.655	2.544	13.7	21.7

427927 2005 UE_{530} 5 9.1 121°.05 0°.7/ 9.6 17

4 1	15 33.46	−20 50.2	2.088	2.886	14.1	22.5
4 11	15 28.41	−20 42.6	2.013	2.901	11.0	22.3
4 21	15 21.17	−20 25.8	1.959	2.915	7.5	22.1
5 1	15 12.39	−20 0.5	1.932	2.928	3.6	21.9
5 11	15 2.98	−19 29.1	1.932	2.942	0.9	21.7
5 21	14 53.90	−18 55.1	1.961	2.954	4.7	22.0
5 31	14 46.04	−18 22.5	2.018	2.967	8.4	22.3
6 10	14 40.05	−17 55.4	2.098	2.979	11.6	22.5

422001 2014 QD_{315} 5 9.1 126°.17 3°.5/10.9 16

4 1	15 36.41	−25 57.5	1.524	2.324	18.3	22.1
4 11	15 31.80	−26 16.6	1.448	2.332	14.7	21.9
4 21	15 24.03	−26 20.7	1.391	2.339	10.6	21.6
5 1	15 13.87	−26 7.9	1.357	2.346	6.2	21.4
5 11	15 2.62	−25 39.1	1.349	2.353	3.5	21.2
5 21	14 51.74	−24 58.3	1.367	2.360	6.2	21.4
5 31	14 42.60	−24 12.1	1.409	2.366	10.6	21.7
6 10	14 36.15	−23 28.2	1.474	2.372	14.6	21.9

211600 2003 SR_{300} 5 9.1 318°.34 2°.6/10.6 17

4 1	15 28.94	−25 39.6	1.359	2.182	19.0	19.6
4 11	15 26.45	−25 28.7	1.272	2.171	15.3	19.4
4 21	15 20.73	−24 58.6	1.204	2.161	10.9	19.1
5 1	15 12.48	−24 8.5	1.158	2.152	6.0	18.8
5 11	15 2.94	−23 1.4	1.135	2.143	2.6	18.5
5 21	14 53.61	−21 44.0	1.137	2.134	6.4	18.7
5 31	14 45.93	−20 25.5	1.163	2.126	11.5	19.0
6 10	14 40.98	−19 15.3	1.210	2.119	16.2	19.2

41050 1999 VF_{9} 5 9.1 278°.39 0°.2/ 8.9 18

4 1	15 34.06	−15 58.9	1.981	2.790	14.3	17.9
4 11	15 29.40	−16 15.8	1.875	2.771	11.3	17.7
4 21	15 22.25	−16 28.7	1.791	2.751	7.7	17.4
5 1	15 13.09	−16 38.1	1.732	2.731	3.5	17.1
5 11	15 2.80	−16 44.9	1.701	2.710	0.9	16.9
5 21	14 52.43	−16 51.0	1.698	2.690	5.4	17.1
5 31	14 43.09	−16 58.9	1.722	2.669	9.6	17.3
6 10	14 35.68	−17 11.4	1.769	2.649	13.5	17.5

246533 2008 HT_{41} 5 9.1 294°.24 0°.2/ 8.8 18

4 1	15 21.57	−17 24.8	4.269	5.065	7.4	21.0
4 11	15 18.27	−17 11.4	4.169	5.058	5.8	20.9
4 21	15 14.00	−16 54.4	4.094	5.052	3.8	20.7
5 1	15 9.05	−16 34.7	4.047	5.045	1.7	20.6
5 11	15 3.79	−16 13.6	4.029	5.039	0.5	20.4
5 21	14 58.59	−15 52.7	4.042	5.032	2.7	20.6
5 31	14 53.85	−15 33.6	4.083	5.025	4.7	20.8
6 10	14 49.87	−15 17.9	4.151	5.019	6.6	20.9

188957 2007 ES_{158} 5 9.1 214°.72 6°.5/ 4.2 17

4 1	15 29.86	− 2 58.5	1.920	2.746	14.1	21.0
4 11	15 25.77	− 1 43.6	1.843	2.742	11.3	20.8
4 21	15 19.52	− 0 29.5	1.788	2.738	8.5	20.6
5 1	15 11.69	+ 0 37.5	1.759	2.734	6.6	20.5
5 11	15 3.16	+ 1 31.0	1.756	2.729	7.1	20.5
5 21	14 54.84	+ 2 6.2	1.779	2.724	9.5	20.7
5 31	14 47.64	+ 2 20.4	1.827	2.718	12.4	20.8
6 10	14 42.23	+ 2 13.6	1.895	2.713	15.2	21.0

118193 1994 RG_{25} 5 9.1 314°.61 0°.0/ 8.9 17

4 1	15 25.84	−21 20.3	1.968	2.783	14.2	19.6
4 11	15 22.92	−20 36.8	1.866	2.765	11.2	19.4
4 21	15 17.78	−19 39.8	1.786	2.747	7.6	19.1
5 1	15 10.97	−18 31.1	1.730	2.729	3.5	18.8
5 11	15 3.33	−17 14.9	1.702	2.712	0.8	18.6
5 21	14 55.79	−15 56.9	1.701	2.695	5.2	18.8
5 31	14 49.31	−14 43.6	1.727	2.678	9.4	19.0
6 10	14 44.62	−13 40.7	1.776	2.662	13.1	19.2

519524 2012 HT_{85} 5 9.1 20.°59 2.°1/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.14	−15 3.5	1.314	2.161	18.1	20.8
4 11	15 25.39	−14 32.7	1.249	2.167	14.0	20.6
4 21	15 19.71	−13 53.4	1.204	2.174	9.3	20.3
5 1	15 11.88	−13 9.5	1.181	2.181	4.4	20.0
5 11	15 3.14	−12 26.7	1.182	2.189	2.7	20.0
5 21	14 54.81	−11 50.8	1.208	2.199	7.3	20.3
5 31	14 48.12	−11 27.0	1.257	2.208	12.0	20.5
6 10	14 43.92	−11 18.5	1.326	2.219	16.2	20.8

219643 2001 UX_{76} 5 9.1 99.°23 1.°1/ 8.5 18

4 1	15 33.29	−15 31.6	1.824	2.641	15.1	20.6
4 11	15 28.53	−15 19.7	1.754	2.654	11.7	20.4
4 21	15 21.38	−15 1.8	1.704	2.667	7.8	20.1
5 1	15 12.54	−14 39.8	1.680	2.680	3.5	19.9
5 11	15 3.01	−14 16.8	1.684	2.692	1.6	19.8
5 21	14 53.82	−13 56.4	1.714	2.704	5.6	20.1
5 31	14 45.97	−13 42.0	1.771	2.716	9.6	20.3
6 10	14 40.16	−13 36.4	1.851	2.728	13.1	20.6

142411 2002 SC_{30} 5 9.1 283.°24 4.°9/ 5.8 17

4 1	15 29.24	− 9 39.5	1.589	2.427	15.9	20.1
4 11	15 25.78	− 8 26.3	1.512	2.424	12.4	19.9
4 21	15 19.77	− 7 7.4	1.457	2.422	8.6	19.6
5 1	15 11.88	− 5 49.3	1.427	2.419	5.5	19.4
5 11	15 3.15	− 4 39.4	1.422	2.416	5.6	19.4
5 21	14 54.70	− 3 44.4	1.443	2.413	8.9	19.6
5 31	14 47.58	− 3 9.2	1.488	2.411	12.7	19.8
6 10	14 42.59	− 2 55.6	1.553	2.408	16.3	20.0

100543 1997 ES_{26} 5 9.1 73.°76 0.°2/ 9.2 18

4 1	15 29.09	−19 18.5	2.264	3.069	12.9	20.5
4 11	15 24.89	−19 6.9	2.187	3.080	10.0	20.3
4 21	15 18.77	−18 47.7	2.133	3.092	6.7	20.1
5 1	15 11.31	−18 22.1	2.105	3.103	3.1	19.9
5 11	15 3.30	−17 52.6	2.105	3.115	0.7	19.7
5 21	14 55.54	−17 22.3	2.134	3.127	4.4	20.0
5 31	14 48.82	−16 54.7	2.189	3.138	7.8	20.2
6 10	14 43.71	−16 32.9	2.269	3.150	10.8	20.5

58989 1998 RN_{80} 5 9.1 180.°85 2.°4/ 7.4 17

4 1	15 31.64	−13 52.4	1.949	2.767	14.2	20.0
4 11	15 27.18	−13 6.8	1.866	2.768	11.0	19.8
4 21	15 20.48	−12 14.3	1.806	2.769	7.4	19.5
5 1	15 12.16	−11 18.6	1.771	2.769	3.7	19.3
5 11	15 3.11	−10 24.4	1.764	2.768	2.8	19.2
5 21	14 54.31	− 9 36.6	1.785	2.768	6.3	19.5
5 31	14 46.69	− 8 59.4	1.832	2.766	10.1	19.7
6 10	14 40.93	− 8 36.0	1.903	2.764	13.4	19.9

315383 2007 VX_{66} 5 9.1 125.°81 0.°6/ 9.5 18

4 1	15 36.05	−20 19.2	1.893	2.693	15.2	22.4
4 11	15 30.62	−20 11.1	1.820	2.710	11.9	22.2
4 21	15 22.76	−19 53.3	1.769	2.726	8.1	22.0
5 1	15 13.17	−19 26.7	1.744	2.741	3.8	21.8
5 11	15 2.89	−18 53.8	1.746	2.755	0.9	21.6
5 21	14 53.00	−18 18.6	1.776	2.769	5.1	21.9
5 31	14 44.49	−17 45.5	1.833	2.782	9.1	22.1
6 10	14 38.10	−17 18.9	1.914	2.794	12.6	22.4

172839 2005 CE_{73} 5 9.1 221.°83 1.°9/ 7.9 17

4 1	15 33.93	−14 16.1	1.871	2.686	14.8	20.9
4 11	15 29.23	−13 50.2	1.777	2.677	11.6	20.7
4 21	15 22.04	−13 17.9	1.706	2.668	7.8	20.4
5 1	15 12.95	−12 41.7	1.660	2.658	3.7	20.2
5 11	15 2.92	−12 5.4	1.641	2.647	2.4	20.1
5 21	14 53.00	−11 33.2	1.650	2.636	6.3	20.3
5 31	14 44.28	−11 9.4	1.685	2.624	10.4	20.5
6 10	14 37.59	−10 57.2	1.744	2.612	14.2	20.7

381495 2008 SG_{103} 5 9.1 309.°04 0.°1/ 9.0 17

4 1	15 30.62	−17 43.8	1.835	2.652	15.0	20.8
4 11	15 26.72	−17 40.3	1.747	2.647	11.7	20.5
4 21	15 20.37	−17 29.3	1.680	2.642	7.9	20.3
5 1	15 12.19	−17 12.0	1.638	2.637	3.6	20.0
5 11	15 3.10	−16 50.7	1.623	2.632	0.9	19.8
5 21	14 54.16	−16 29.0	1.634	2.628	5.4	20.1
5 31	14 46.43	−16 10.7	1.672	2.623	9.6	20.3
6 10	14 40.70	−15 59.5	1.732	2.619	13.4	20.6

80109 1999 RA_{34} 5 9.1 286.°64 12.°8/28.1 18

4 1	15 27.53	− 3 36.9	1.059	1.926	20.0	18.3
4 11	15 25.61	+ 0 7.4	0.992	1.914	16.4	18.1
4 21	15 20.29	+ 4 4.8	0.947	1.901	13.6	17.9
5 1	15 12.32	+ 7 53.9	0.926	1.888	13.0	17.8
5 11	15 3.07	+11 11.5	0.928	1.876	15.2	17.8
5 21	14 54.09	+13 40.1	0.951	1.864	18.9	18.0
5 31	14 46.90	+15 11.9	0.992	1.852	22.9	18.2
6 10	14 42.56	+15 49.3	1.045	1.840	26.4	18.4

210946 2001 TL_{241} 5 9.1 300.°88 0.°6/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.57	−18 36.7	2.095	2.901	13.8	20.3
4 11	15 27.23	−18 54.5	2.000	2.893	10.8	20.1
4 21	15 20.62	−19 6.3	1.927	2.885	7.4	19.9
5 1	15 12.29	−19 12.4	1.879	2.877	3.5	19.6
5 11	15 3.08	−19 13.6	1.859	2.869	0.9	19.4
5 21	14 53.93	−19 11.9	1.867	2.861	4.8	19.6
5 31	14 45.82	−19 10.1	1.902	2.853	8.7	19.9
6 10	14 39.51	−19 11.2	1.961	2.846	12.1	20.1

505632 2014 JQ_5 5 9.1 22.°82 8.°2/ 6.1 17

4 1	15 35.05	+ 6 35.2	1.866	2.671	15.2	19.5
4 11	15 29.65	+ 6 39.2	1.805	2.682	12.7	19.4
4 21	15 22.00	+ 6 30.2	1.766	2.693	10.2	19.2
5 1	15 12.79	+ 6 3.6	1.750	2.706	8.5	19.2
5 11	15 3.00	+ 5 17.0	1.761	2.718	8.4	19.2
5 21	14 53.63	+ 4 10.5	1.798	2.732	10.1	19.3
5 31	14 45.57	+ 2 46.4	1.860	2.746	12.5	19.5
6 10	14 39.49	+ 1 8.5	1.944	2.761	15.0	19.7

172553 2003 UX_{100} 5 9.1 61.°28 0.°0/ 8.9 18

4 1	15 30.83	−20 57.4	1.470	2.295	17.6	20.1
4 11	15 27.32	−20 21.7	1.396	2.300	13.8	19.8
4 21	15 20.93	−19 31.3	1.343	2.306	9.3	19.6
5 1	15 12.45	−18 28.5	1.312	2.311	4.3	19.3
5 11	15 3.07	−17 18.7	1.307	2.317	1.0	19.1
5 21	14 54.09	−16 8.8	1.328	2.323	6.2	19.4
5 31	14 46.70	−15 6.4	1.374	2.328	11.0	19.7
6 10	14 41.75	−14 17.3	1.441	2.334	15.1	20.0

336719 2010 CO_{149} 5 9.1 212.°55 2.°6/ 7.2 17

4 1	15 29.76	−11 54.1	2.168	2.985	13.0	21.3
4 11	15 25.53	−11 17.9	2.080	2.982	10.1	21.1
4 21	15 19.30	−10 37.4	2.016	2.978	6.8	20.9
5 1	15 11.62	− 9 55.9	1.978	2.974	3.6	20.7
5 11	15 3.26	− 9 17.2	1.967	2.969	3.0	20.6
5 21	14 55.08	− 8 45.0	1.985	2.965	6.0	20.8
5 31	14 47.89	− 8 22.7	2.029	2.960	9.4	21.0
6 10	14 42.34	− 8 12.5	2.097	2.955	12.5	21.2

281567 2008 UR_{92} 5 9.1 167.°83 3.°7/ 6.1 18

4 1	15 29.66	− 8 26.5	2.364	3.179	12.1	21.3
4 11	15 25.18	− 7 35.0	2.284	3.183	9.4	21.1
4 21	15 18.91	− 6 41.6	2.228	3.186	6.5	21.0
5 1	15 11.39	− 5 50.0	2.199	3.189	4.1	20.8
5 11	15 3.33	− 5 4.5	2.199	3.191	4.1	20.8
5 21	14 55.48	− 4 28.7	2.227	3.193	6.5	21.0
5 31	14 48.57	− 4 5.4	2.282	3.195	9.4	21.1
6 10	14 43.16	− 3 56.0	2.360	3.196	12.0	21.3

195502 2002 GY_{172} 5 9.1 299.°12 3.°4/ 7.3 18

4 1	15 31.74	− 8 56.5	1.820	2.646	14.7	19.6
4 11	15 27.52	− 8 43.2	1.734	2.639	11.6	19.4
4 21	15 20.88	− 8 29.2	1.670	2.632	7.9	19.2
5 1	15 12.43	− 8 17.8	1.630	2.625	4.5	18.9
5 11	15 3.09	− 8 12.3	1.617	2.618	3.8	18.9
5 21	14 53.88	− 8 15.6	1.631	2.611	7.0	19.1
5 31	14 45.85	− 8 29.9	1.670	2.605	10.8	19.3
6 10	14 39.78	− 8 56.1	1.732	2.598	14.4	19.5

313083 2000 TB_{25} 5 9.1 264.°20 1.°1/ 9.7 17

4 1	15 33.42	−21 29.6	1.649	2.461	16.6	21.4
4 11	15 29.49	−21 23.4	1.547	2.442	13.3	21.2
4 21	15 22.62	−21 4.8	1.465	2.423	9.2	20.9
5 1	15 13.39	−20 33.7	1.407	2.404	4.6	20.5
5 11	15 2.84	−19 52.5	1.375	2.384	1.3	20.3
5 21	14 52.27	−19 5.3	1.369	2.363	6.0	20.5
5 31	14 43.02	−18 18.5	1.388	2.343	10.9	20.7
6 10	14 36.14	−17 38.6	1.430	2.322	15.3	21.0

217229 2003 AJ_{86} 5 9.1 196.°35 5.°0/ 5.9 17

4 1	15 32.35	− 5 47.1	1.946	2.767	14.1	20.4
4 11	15 27.71	− 5 1.3	1.865	2.766	11.1	20.2
4 21	15 20.85	− 4 15.5	1.807	2.763	8.0	20.0
5 1	15 12.36	− 3 34.4	1.775	2.761	5.4	19.8
5 11	15 3.12	− 3 2.9	1.769	2.757	5.4	19.8
5 21	14 54.10	− 2 44.9	1.791	2.754	8.1	19.9
5 31	14 46.22	− 2 42.8	1.838	2.750	11.3	20.1
6 10	14 40.18	− 2 57.0	1.907	2.745	14.4	20.3

217858 2001 QV_{91} 5 9.1 282.°91 4.°1/11.5 17

4 1	15 31.84	−28 32.0	1.719	2.510	16.9	20.6
4 11	15 28.31	−28 44.2	1.615	2.492	13.9	20.3
4 21	15 21.86	−28 40.3	1.531	2.473	10.3	20.1
5 1	15 13.04	−28 17.8	1.469	2.453	6.5	19.8
5 11	15 2.93	−27 36.9	1.433	2.434	4.1	19.6
5 21	14 52.81	−26 40.9	1.423	2.415	6.2	19.7
5 31	14 44.03	−25 36.3	1.438	2.395	10.3	19.8
6 10	14 37.64	−24 31.4	1.476	2.376	14.4	20.0

467223 2016 EJ_{163} 5 9.1 61°.01 2°.0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.47	−21 20.5	1.361	2.181	19.1	21.1
4 11	15 31.87	−21 46.4	1.302	2.200	15.0	20.9
4 21	15 24.04	−22 0.8	1.262	2.220	10.4	20.7
5 1	15 13.88	−22 3.0	1.244	2.240	5.3	20.5
5 11	15 2.79	−21 54.3	1.252	2.260	2.1	20.3
5 21	14 52.26	−21 38.3	1.285	2.280	6.2	20.6
5 31	14 43.64	−21 20.4	1.342	2.300	10.8	20.9
6 10	14 37.82	−21 6.2	1.421	2.320	14.9	21.2

343259 2009 YZ_5 5 9.1 340°.59 5°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.73	−30 26.4	1.661	2.452	17.4	20.2
4 11	15 26.64	−30 49.9	1.573	2.446	14.4	19.9
4 21	15 20.66	−30 56.0	1.504	2.441	10.9	19.7
5 1	15 12.44	−30 42.1	1.458	2.436	7.3	19.5
5 11	15 3.10	−30 8.4	1.435	2.431	5.1	19.3
5 21	14 53.93	−29 18.2	1.438	2.427	6.6	19.4
5 31	14 46.23	−28 18.0	1.466	2.424	10.1	19.6
6 10	14 40.95	−27 15.8	1.516	2.421	13.8	19.8

468523 2005 UP_{211} 5 9.1 354°.64 0°.7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.66	−20 57.8	1.413	2.250	17.6	20.4
4 11	15 23.46	−19 54.5	1.335	2.247	13.8	20.2
4 21	15 18.45	−18 33.1	1.277	2.244	9.2	19.9
5 1	15 11.37	−16 57.6	1.241	2.242	4.2	19.6
5 11	15 3.36	−15 15.4	1.231	2.240	1.5	19.4
5 21	14 55.69	−13 35.9	1.247	2.240	6.7	19.7
5 31	14 49.51	−12 8.4	1.286	2.240	11.6	20.0
6 10	14 45.69	−10 59.7	1.346	2.241	15.9	20.3

373351 2012 KL_5 5 9.1 57°.99 2°.8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.74	−13 3.9	1.544	2.378	16.5	20.5
4 11	15 26.91	−12 24.6	1.479	2.390	12.8	20.3
4 21	15 20.48	−11 39.3	1.435	2.401	8.5	20.1
5 1	15 12.21	−10 52.3	1.415	2.413	4.3	19.8
5 11	15 3.19	−10 9.0	1.421	2.425	3.3	19.8
5 21	14 54.59	− 9 34.3	1.452	2.437	7.1	20.1
5 31	14 47.47	− 9 12.6	1.508	2.449	11.3	20.3
6 10	14 42.56	− 9 6.0	1.586	2.461	14.9	20.6

413073 2001 SG_{264} 5 9.1 130°.51 9°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 48.30	−46 42.2	2.564	3.205	15.4	21.6
4 11	15 40.71	−48 6.1	2.486	3.225	13.7	21.5
4 21	15 29.94	−49 11.7	2.427	3.244	12.0	21.4
5 1	15 16.66	−49 52.7	2.391	3.262	10.4	21.3
5 11	15 2.12	−50 5.6	2.380	3.279	9.5	21.3
5 21	14 47.78	−49 50.2	2.395	3.295	9.4	21.3
5 31	14 35.06	−49 10.7	2.434	3.310	10.3	21.4
6 10	14 25.01	−48 14.7	2.498	3.325	11.7	21.5

465039 2006 QT_{61} 5 9.1 258°.30 3°.0/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.30	−26 42.0	1.908	2.694	15.7	22.0
4 11	15 29.92	−26 44.3	1.797	2.672	12.8	21.8
4 21	15 22.79	−26 32.3	1.706	2.650	9.3	21.5
5 1	15 13.44	−26 4.2	1.639	2.627	5.5	21.2
5 11	15 2.86	−25 20.7	1.599	2.603	3.0	21.0
5 21	14 52.22	−24 25.3	1.586	2.579	5.6	21.1
5 31	14 42.78	−23 23.7	1.600	2.554	9.8	21.3
6 10	14 35.52	−22 23.5	1.638	2.528	13.8	21.5

456228 2006 KL_{62} 5 9.1 4°.96 5°.8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.11	− 6 55.5	1.166	2.024	19.2	20.8
4 11	15 27.30	− 6 23.7	1.102	2.023	15.2	20.6
4 21	15 21.24	− 5 52.5	1.056	2.023	10.7	20.3
5 1	15 12.72	− 5 28.3	1.031	2.024	6.7	20.1
5 11	15 3.06	− 5 17.4	1.029	2.026	6.3	20.1
5 21	14 53.78	− 5 24.1	1.050	2.029	10.0	20.3
5 31	14 46.27	− 5 50.5	1.092	2.033	14.5	20.5
6 10	14 41.52	− 6 35.8	1.153	2.038	18.7	20.8

238756 2005 JY_3 5 9.1 67°.64 4°.1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.39	−10 20.2	1.969	2.798	13.6	20.5
4 11	15 23.76	− 8 59.5	1.897	2.804	10.6	20.3
4 21	15 18.12	− 7 33.9	1.848	2.811	7.3	20.1
5 1	15 11.07	− 6 9.0	1.826	2.818	4.6	20.0
5 11	15 3.47	− 4 51.1	1.832	2.824	4.7	20.0
5 21	14 56.15	− 3 45.9	1.864	2.831	7.5	20.2
5 31	14 49.94	− 2 57.6	1.922	2.838	10.7	20.4
6 10	14 45.43	− 2 28.0	2.002	2.845	13.6	20.6

102406 1999 TR_{173} 5 9.1 182°.56 1°.0/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.97	−16 25.4	2.030	2.837	14.1	21.5
4 11	15 28.98	−16 3.4	1.943	2.838	11.0	21.3
4 21	15 21.71	−15 34.3	1.878	2.838	7.4	21.1
5 1	15 12.77	−14 59.9	1.839	2.838	3.3	20.8
5 11	15 3.06	−14 23.4	1.829	2.837	1.5	20.7
5 21	14 53.57	−13 48.7	1.846	2.835	5.4	20.9
5 31	14 45.24	−13 19.9	1.891	2.833	9.3	21.2
6 10	14 38.80	−13 0.2	1.960	2.830	12.8	21.4

131895 2002 AH_{186} 5 9.1 281°.99 1°.7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.71	−13 34.3	1.474	2.304	17.4	19.7
4 11	15 30.76	−13 37.2	1.378	2.285	13.7	19.4
4 21	15 23.66	−13 36.1	1.301	2.266	9.4	19.1
5 1	15 13.95	−13 32.7	1.247	2.246	4.4	18.7
5 11	15 2.74	−13 29.6	1.219	2.227	2.2	18.5
5 21	14 51.43	−13 30.2	1.216	2.207	7.2	18.8
5 31	14 41.51	−13 38.1	1.238	2.187	12.4	19.0
6 10	14 34.13	−13 56.2	1.280	2.167	17.0	19.2

251620 2009 MH 5 9.1 296°.37 3°.0/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.08	−11 50.6	2.210	3.035	12.5	20.9
4 11	15 22.76	−10 53.1	2.112	3.017	9.8	20.7
4 21	15 17.52	− 9 49.7	2.037	3.000	6.6	20.4
5 1	15 10.86	− 8 44.1	1.988	2.983	3.7	20.2
5 11	15 3.50	− 7 41.1	1.967	2.966	3.5	20.2
5 21	14 56.23	− 6 45.8	1.973	2.948	6.4	20.3
5 31	14 49.84	− 6 2.3	2.006	2.931	9.8	20.5
6 10	14 44.98	− 5 33.6	2.061	2.915	12.9	20.7

222666 2001 XK_{254} 5 9.1 262°.28 1°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.64	−14 8.4	2.022	2.832	14.1	21.0
4 11	15 29.81	−14 7.4	1.913	2.810	11.1	20.7
4 21	15 22.52	−14 2.4	1.826	2.787	7.5	20.5
5 1	15 13.27	−13 54.5	1.765	2.764	3.5	20.2
5 11	15 2.92	−13 46.2	1.732	2.740	1.7	20.0
5 21	14 52.48	−13 39.8	1.727	2.716	5.8	20.2
5 31	14 43.03	−13 38.5	1.750	2.691	9.9	20.4
6 10	14 35.47	−13 45.0	1.795	2.666	13.7	20.6

184839 2005 UT_{36} 5 9.1 251°.62 0°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.63	−19 26.5	2.524	3.325	11.8	21.0
4 11	15 23.71	−19 3.0	2.426	3.318	9.2	20.8
4 21	15 18.03	−18 31.5	2.351	3.309	6.2	20.6
5 1	15 11.05	−17 53.4	2.303	3.301	2.9	20.4
5 11	15 3.46	−17 11.2	2.283	3.293	0.7	20.2
5 21	14 56.00	−16 28.2	2.293	3.285	4.2	20.5
5 31	14 49.38	−15 48.2	2.329	3.276	7.5	20.7
6 10	14 44.19	−15 14.5	2.391	3.267	10.5	20.8

240621 2004 XH_{101} 5 9.1 222°.09 2°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.57	−26 55.4	2.596	3.364	12.4	21.1
4 11	15 27.65	−26 51.7	2.487	3.352	10.1	21.0
4 21	15 20.74	−26 36.6	2.401	3.340	7.3	20.8
5 1	15 12.32	−26 9.6	2.342	3.327	4.3	20.5
5 11	15 3.17	−25 31.6	2.310	3.314	2.4	20.4
5 21	14 54.09	−24 45.4	2.309	3.299	4.3	20.5
5 31	14 45.93	−23 55.0	2.335	3.284	7.4	20.7
6 10	14 39.36	−23 5.2	2.388	3.269	10.4	20.8

477215 2009 KY_6 5 9.1 290°.96 4°.4/ 5.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.10	− 7 29.0	2.237	3.064	12.3	21.2
4 11	15 22.69	− 6 23.7	2.146	3.050	9.7	21.0
4 21	15 17.42	− 5 15.4	2.077	3.036	6.9	20.8
5 1	15 10.80	− 4 8.9	2.036	3.022	4.7	20.7
5 11	15 3.53	− 3 9.4	2.021	3.009	4.9	20.6
5 21	14 56.36	− 2 21.6	2.034	2.995	7.4	20.8
5 31	14 50.07	− 1 49.0	2.072	2.981	10.4	20.9
6 10	14 45.27	− 1 33.3	2.133	2.968	13.2	21.1

308570 2005 UM_{402} 5 9.1 205°.20 0°.8/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.09	−16 0.7	2.926	3.726	10.4	22.2
4 11	15 23.76	−15 39.2	2.829	3.721	8.1	22.0
4 21	15 17.90	−15 12.8	2.757	3.716	5.4	21.8
5 1	15 10.95	−14 42.9	2.713	3.711	2.4	21.6
5 11	15 3.50	−14 12.0	2.697	3.705	1.2	21.5
5 21	14 56.16	−13 42.4	2.712	3.699	4.0	21.7
5 31	14 49.55	−13 16.9	2.754	3.693	6.9	21.9
6 10	14 44.16	−12 57.8	2.823	3.686	9.5	22.0

494939 2009 DA_{48} 5 9.1 42°.59 19°.3/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 43.40	−49 15.4	1.096	1.826	27.9	20.3
4 11	15 41.16	−51 55.7	1.039	1.831	25.7	20.2
4 21	15 32.83	−54 5.4	0.993	1.836	23.4	20.0
5 1	15 18.87	−55 28.5	0.961	1.842	21.2	19.9
5 11	15 1.57	−55 52.3	0.945	1.848	19.7	19.8
5 21	14 44.51	−55 13.2	0.945	1.855	19.3	19.8
5 31	14 31.28	−53 40.8	0.962	1.861	20.1	19.9
6 10	14 23.95	−51 34.4	0.994	1.868	21.8	20.0

257636 1999 TQ_{233} 5 9.1 277°.27 3°.5/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.30	−12 43.7	1.606	2.440	16.0	21.2
4 11	15 26.90	−11 47.6	1.510	2.420	12.6	21.0
4 21	15 20.78	−10 42.5	1.434	2.400	8.6	20.7
5 1	15 12.52	− 9 32.9	1.383	2.380	4.6	20.4
5 11	15 3.12	− 8 25.3	1.358	2.359	4.1	20.3
5 21	14 53.76	− 7 26.6	1.358	2.339	8.1	20.5
5 31	14 45.65	− 6 43.1	1.383	2.318	12.6	20.7
6 10	14 39.73	− 6 18.8	1.429	2.297	16.7	20.9

230920 2004 TZ_{323} 5 9.1 122°.76 0°.7/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.54	−16 38.5	1.955	2.769	14.3	20.7
4 11	15 27.17	−16 27.7	1.874	2.773	11.2	20.5
4 21	15 20.53	−16 10.3	1.815	2.777	7.5	20.3
5 1	15 12.24	−15 47.9	1.782	2.781	3.4	20.0
5 11	15 3.22	−15 23.2	1.775	2.784	1.2	19.8
5 21	14 54.42	−14 59.7	1.797	2.788	5.3	20.1
5 31	14 46.81	−14 41.0	1.845	2.791	9.2	20.4
6 10	14 41.08	−14 30.2	1.916	2.795	12.6	20.6

362644 2011 SA_{202} 5 9.1 149°.33 1°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.17	−17 24.2	1.664	2.482	16.2	21.7
4 11	15 29.52	−16 40.2	1.588	2.489	12.7	21.4
4 21	15 22.23	−15 45.6	1.534	2.497	8.4	21.2
5 1	15 13.05	−14 43.6	1.504	2.503	3.8	20.9
5 11	15 3.06	−13 39.4	1.501	2.509	1.9	20.8
5 21	14 53.44	−12 39.2	1.526	2.515	6.3	21.1
5 31	14 45.30	−11 48.8	1.576	2.519	10.7	21.4
6 10	14 39.40	−11 12.5	1.649	2.524	14.5	21.6

43149 1999 XU_{107} 5 9.1 318°.32 1°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.66	−24 25.7	1.724	2.536	16.0	18.5
4 11	15 24.69	−23 52.5	1.632	2.526	12.8	18.2
4 21	15 19.17	−23 2.5	1.559	2.516	8.9	18.0
5 1	15 11.72	−21 56.9	1.511	2.507	4.5	17.7
5 11	15 3.35	−20 39.7	1.489	2.497	1.4	17.4
5 21	14 55.17	−19 16.9	1.493	2.489	5.4	17.7
5 31	14 48.28	−17 56.3	1.523	2.480	9.9	17.9
6 10	14 43.51	−16 45.2	1.576	2.472	13.9	18.1

343976 2011 LC_{21} 5 9.1 327°.00 1°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.73	−26 6.3	3.932	4.702	8.5	20.5
4 11	15 19.37	−26 3.5	3.829	4.696	6.8	20.4
4 21	15 14.86	−25 53.5	3.750	4.690	4.9	20.2
5 1	15 9.55	−25 36.6	3.698	4.684	2.9	20.1
5 11	15 3.86	−25 13.8	3.675	4.678	1.6	20.0
5 21	14 58.25	−24 46.7	3.681	4.672	2.8	20.1
5 31	14 53.16	−24 17.4	3.715	4.666	4.8	20.2
6 10	14 48.98	−23 48.1	3.777	4.660	6.8	20.3

19923 1978 VA_{8} 5 9.1 28°.61 0°.0/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.48	−18 40.9	2.057	2.870	13.7	18.5
4 11	15 24.70	−18 32.3	1.978	2.875	10.7	18.3
4 21	15 18.84	−18 16.0	1.920	2.881	7.2	18.1
5 1	15 11.47	−17 53.3	1.888	2.886	3.3	17.9
5 11	15 3.43	−17 26.7	1.883	2.892	0.7	17.7
5 21	14 55.63	−16 59.6	1.905	2.899	4.7	18.0
5 31	14 48.91	−16 35.5	1.954	2.905	8.5	18.3
6 10	14 43.94	−16 18.0	2.027	2.912	11.8	18.5

410305 2007 TO_{369} 5 9.1 169°.19 1°.7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.05	−22 59.2	1.675	2.481	16.7	21.8
4 11	15 29.68	−22 55.5	1.592	2.483	13.3	21.6
4 21	15 22.51	−22 38.9	1.530	2.485	9.2	21.3
5 1	15 13.26	−22 9.3	1.491	2.486	4.7	21.1
5 11	15 3.02	−21 29.2	1.479	2.487	1.7	20.8
5 21	14 53.06	−20 42.8	1.493	2.488	5.6	21.1
5 31	14 44.56	−19 56.4	1.533	2.488	10.0	21.4
6 10	14 38.41	−19 15.9	1.596	2.488	14.0	21.6

359451 2010 NZ_{14} 5 9.1 258°.19 5°.1/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.21	−32 36.2	2.630	3.371	12.9	20.6
4 11	15 29.20	−33 26.8	2.524	3.360	10.9	20.4
4 21	15 21.97	−34 6.6	2.439	3.349	8.5	20.2
5 1	15 13.00	−34 32.6	2.380	3.338	6.3	20.1
5 11	15 3.07	−34 43.4	2.348	3.327	5.1	20.0
5 21	14 53.09	−34 39.4	2.344	3.315	5.8	20.0
5 31	14 44.01	−34 23.1	2.367	3.304	8.0	20.1
6 10	14 36.63	−33 59.0	2.416	3.292	10.4	20.3

503635 2016 GW_{170} 5 9.1 4°.64 1°.8/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.98	−13 21.1	1.387	2.226	17.8	20.6
4 11	15 28.45	−13 23.9	1.313	2.226	13.9	20.3
4 21	15 21.89	−13 22.7	1.258	2.226	9.3	20.1
5 1	15 13.04	−13 19.6	1.227	2.227	4.4	19.8
5 11	15 3.09	−13 17.7	1.220	2.228	2.3	19.6
5 21	14 53.40	−13 20.2	1.238	2.230	7.0	19.9
5 31	14 45.30	−13 30.2	1.280	2.232	11.8	20.2
6 10	14 39.74	−13 50.1	1.343	2.236	16.0	20.5

211995 2005 AT_{73} 5 9.1 16°.33 1°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.30	−21 48.7	1.169	2.011	20.2	19.9
4 11	15 26.93	−21 56.9	1.103	2.015	16.0	19.6
4 21	15 21.15	−21 50.4	1.055	2.020	11.1	19.3
5 1	15 12.75	−21 29.5	1.028	2.026	5.6	19.0
5 11	15 3.17	−20 57.0	1.024	2.032	1.9	18.8
5 21	14 54.00	−20 18.6	1.043	2.040	6.7	19.1
5 31	14 46.74	−19 41.5	1.084	2.049	12.0	19.5
6 10	14 42.40	−19 12.5	1.145	2.059	16.6	19.7

418393 2008 HG_{67} 5 9.1 292°.58 1°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.84	− 8 30.2	4.343	5.136	7.4	20.9
4 11	15 23.01	− 8 40.4	4.247	5.134	5.7	20.7
4 21	15 17.16	− 8 51.1	4.176	5.131	3.9	20.6
5 1	15 10.59	− 9 3.1	4.135	5.128	2.1	20.5
5 11	15 3.68	− 9 17.4	4.125	5.125	1.7	20.4
5 21	14 56.83	− 9 34.7	4.146	5.123	3.3	20.6
5 31	14 50.44	− 9 55.7	4.197	5.120	5.2	20.7
6 10	14 44.86	−10 20.7	4.276	5.117	7.0	20.8

1766 Slipher 5 9.1 234°.08 1°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.43	−15 0.0	2.107	2.923	13.3	16.9
4 11	15 25.43	−14 21.9	2.016	2.917	10.4	16.7
4 21	15 19.34	−13 36.8	1.948	2.911	6.9	16.5
5 1	15 11.74	−12 47.6	1.905	2.904	3.3	16.2
5 11	15 3.41	−11 58.2	1.891	2.897	2.2	16.1
5 21	14 55.24	−11 13.0	1.905	2.890	5.6	16.4
5 31	14 48.10	−10 36.2	1.945	2.883	9.3	16.6
6 10	14 42.65	−10 10.9	2.008	2.876	12.6	16.8

393710 2004 TJ_{219} 5 9.1 316°.39 5°.3/ 3.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.80	− 9 41.3	1.961	2.796	13.5	20.7
4 11	15 22.06	− 7 44.4	1.860	2.770	10.6	20.4
4 21	15 17.23	− 5 37.1	1.782	2.744	7.6	20.2
5 1	15 10.83	− 3 26.4	1.731	2.718	5.4	20.0
5 11	15 3.61	− 1 21.3	1.709	2.692	6.2	20.0
5 21	14 56.45	+ 0 29.6	1.714	2.667	9.1	20.1
5 31	14 50.24	+ 1 59.3	1.744	2.642	12.6	20.3
6 10	14 45.69	+ 3 4.0	1.795	2.618	15.8	20.4

65104 2002 CK_{20} 5 9.1 164°.91 0°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.05	−18 11.9	1.794	2.602	15.7	20.1
4 11	15 30.94	−18 5.0	1.712	2.607	12.3	19.9
4 21	15 23.22	−17 49.8	1.651	2.611	8.3	19.6
5 1	15 13.56	−17 27.3	1.616	2.614	3.8	19.4
5 11	15 3.01	−17 0.1	1.608	2.617	0.9	19.2
5 21	14 52.73	−16 32.0	1.628	2.620	5.5	19.5
5 31	14 43.83	−16 7.4	1.674	2.622	9.8	19.8
6 10	14 37.11	−15 50.3	1.743	2.623	13.6	20.0

373043 2011 EL_{55} 5 9.1 123°.96 6°.6/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.89	− 0 35.9	2.061	2.878	13.6	21.2
4 11	15 27.05	+ 0 26.0	2.000	2.891	10.9	21.1
4 21	15 20.23	+ 1 23.6	1.961	2.904	8.3	21.0
5 1	15 12.06	+ 2 11.4	1.948	2.917	6.7	20.9
5 11	15 3.37	+ 2 44.5	1.963	2.929	7.0	20.9
5 21	14 55.02	+ 2 59.8	2.003	2.941	9.0	21.1
5 31	14 47.80	+ 2 56.0	2.068	2.952	11.5	21.2
6 10	14 42.30	+ 2 34.1	2.155	2.963	14.0	21.4

301112 2008 WT_{1} 5 9.2 275°.34 2°.5/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.88	−13 34.5	1.431	2.265	17.6	21.2
4 11	15 30.22	−13 14.3	1.334	2.244	13.9	20.9
4 21	15 23.37	−12 47.2	1.257	2.223	9.5	20.6
5 1	15 13.89	−12 16.0	1.202	2.201	4.6	20.2
5 11	15 2.90	−11 45.2	1.172	2.179	3.0	20.0
5 21	14 51.81	−11 20.0	1.168	2.157	7.8	20.3
5 31	14 42.12	−11 5.7	1.187	2.134	13.1	20.5
6 10	14 35.02	−11 6.2	1.227	2.111	17.8	20.7

245803 2006 HT_{87} 5 9.2 305°.49 1°.8/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.41	−17 52.5	1.348	2.189	18.1	20.5
4 11	15 25.90	−17 0.1	1.262	2.176	14.2	20.2
4 21	15 20.35	−15 52.4	1.195	2.164	9.5	19.9
5 1	15 12.41	−14 33.2	1.151	2.151	4.4	19.6
5 11	15 3.26	−13 9.4	1.131	2.139	2.4	19.4
5 21	14 54.27	−11 49.7	1.136	2.127	7.6	19.7
5 31	14 46.82	−10 42.8	1.164	2.116	12.8	19.9
6 10	14 41.92	− 9 55.2	1.213	2.105	17.5	20.2

503753 2016 NP_{2} 5 9.2 296°.38 9°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.42	+ 4 12.8	1.731	2.555	15.4	20.7
4 11	15 26.68	+ 5 19.3	1.647	2.536	13.0	20.5
4 21	15 20.47	+ 6 18.6	1.583	2.516	10.7	20.3
5 1	15 12.36	+ 7 3.0	1.543	2.496	9.5	20.2
5 11	15 3.28	+ 7 25.5	1.526	2.477	10.1	20.1
5 21	14 54.27	+ 7 21.7	1.534	2.457	12.2	20.2
5 31	14 46.41	+ 6 50.3	1.563	2.438	15.1	20.3
6 10	14 40.54	+ 5 53.4	1.612	2.419	17.9	20.5

280350 2003 SB_{260} 5 9.2 233°.65 1°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.48	−16 55.4	2.305	3.113	12.6	20.9
4 11	15 25.33	−16 13.8	2.207	3.103	9.8	20.7
4 21	15 19.22	−15 23.9	2.131	3.092	6.6	20.5
5 1	15 11.68	−14 28.0	2.082	3.081	3.0	20.2
5 11	15 3.45	−13 30.0	2.062	3.070	1.6	20.1
5 21	14 55.34	−12 34.1	2.071	3.058	5.1	20.3
5 31	14 48.17	−11 44.9	2.107	3.046	8.6	20.5
6 10	14 42.57	−11 6.0	2.167	3.033	11.9	20.7

176451 2001 XT_{40} 5 9.2 217°.80 2°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.50	−25 8.5	2.675	3.449	11.9	20.4
4 11	15 26.76	−25 23.0	2.573	3.443	9.6	20.3
4 21	15 20.13	−25 28.6	2.495	3.436	6.9	20.1
5 1	15 12.09	−25 24.7	2.442	3.429	4.0	19.9
5 11	15 3.35	−25 11.9	2.418	3.422	2.2	19.7
5 21	14 54.68	−24 52.0	2.423	3.414	4.1	19.9
5 31	14 46.87	−24 28.0	2.457	3.406	7.0	20.0
6 10	14 40.54	−24 3.5	2.516	3.398	9.9	20.2

502760 2015 DE_{68} 5 9.2 165°.18 1°.2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.92	−15 30.3	1.934	2.750	14.4	22.0
4 11	15 27.52	−15 14.3	1.852	2.752	11.2	21.8
4 21	15 20.82	−14 52.0	1.791	2.753	7.5	21.6
5 1	15 12.44	−14 25.7	1.756	2.755	3.4	21.4
5 11	15 3.29	−13 58.3	1.748	2.756	1.6	21.2
5 21	14 54.36	−13 33.4	1.767	2.757	5.5	21.5
5 31	14 46.60	−13 14.7	1.813	2.757	9.5	21.7
6 10	14 40.76	−13 5.2	1.883	2.758	13.0	21.9

216298 2007 RK_{37} 5 9.2 172°.52 1°.2/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.30	−16 42.7	2.008	2.815	14.3	21.4
4 11	15 29.24	−16 9.3	1.924	2.819	11.1	21.2
4 21	15 21.90	−15 27.7	1.862	2.822	7.4	20.9
5 1	15 12.91	−14 40.4	1.826	2.825	3.4	20.7
5 11	15 3.19	−13 51.1	1.818	2.826	1.6	20.6
5 21	14 53.73	−13 4.4	1.839	2.827	5.5	20.8
5 31	14 45.47	−12 24.7	1.887	2.827	9.4	21.1
6 10	14 39.13	−11 55.8	1.959	2.827	12.9	21.3

17434 1989 SN_{3} 5 9.2 246°.69 1°.9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.01	−13 24.3	2.607	3.417	11.3	19.6
4 11	15 23.95	−12 49.7	2.506	3.404	8.7	19.4
4 21	15 18.19	−12 10.2	2.429	3.390	5.9	19.2
5 1	15 11.18	−11 28.4	2.380	3.377	2.9	19.0
5 11	15 3.57	−10 47.4	2.359	3.363	2.2	19.0
5 21	14 56.05	−10 10.5	2.367	3.349	5.0	19.1
5 31	14 49.30	− 9 40.8	2.402	3.334	8.1	19.3
6 10	14 43.89	− 9 20.8	2.462	3.319	10.9	19.4

357024 1999 YR_{14} 5 9.2 248°.75 2°.7/10.1 17 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 46.61	−23 30.9	1.359	2.157	20.2	22.8
4 11	15 41.29	−23 44.8	1.245	2.129	16.6	22.5
4 21	15 31.66	−23 44.7	1.148	2.100	12.0	22.1
5 1	15 18.10	−23 26.6	1.074	2.067	6.5	21.7
5 11	15 1.88	−22 48.9	1.025	2.033	2.7	21.4
5 21	14 44.95	−21 54.3	1.003	1.996	7.9	21.6
5 31	14 29.58	−20 51.4	1.006	1.958	14.3	21.8
6 10	14 17.61	−19 51.5	1.030	1.916	20.3	22.0

168949 2001 AV_{18} 5 9.2 108°.49 0°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.51	−19 6.5	1.866	2.668	15.3	21.9
4 11	15 30.88	−18 39.2	1.802	2.694	11.9	21.8
4 21	15 22.88	−18 2.3	1.760	2.718	7.9	21.6
5 1	15 13.28	−17 17.9	1.744	2.742	3.6	21.3
5 11	15 3.13	−16 29.7	1.756	2.765	0.9	21.2
5 21	14 53.48	−15 42.4	1.796	2.787	5.2	21.5
5 31	14 45.27	−15 0.9	1.863	2.809	9.2	21.8
6 10	14 39.17	−14 29.0	1.954	2.829	12.6	22.1

302836 2003 FF_{54} 5 9.2 15°.24 1°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.78	−21 4.1	1.706	2.527	15.8	20.0
4 11	15 24.66	−21 8.7	1.632	2.532	12.4	19.8
4 21	15 19.07	−21 3.1	1.579	2.539	8.5	19.6
5 1	15 11.67	−20 47.7	1.550	2.547	4.2	19.4
5 11	15 3.47	−20 25.1	1.546	2.555	1.3	19.2
5 21	14 55.55	−19 58.6	1.568	2.564	5.2	19.5
5 31	14 48.95	−19 32.9	1.616	2.574	9.3	19.7
6 10	14 44.42	−19 12.4	1.686	2.585	13.0	20.0

470031 2006 SX_{10} 5 9.2 246°.42 4°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.39	−32 19.0	2.483	3.235	13.3	22.0
4 11	15 27.00	−32 27.4	2.375	3.222	11.1	21.8
4 21	15 20.47	−32 21.6	2.288	3.209	8.5	21.6
5 1	15 12.30	−32 0.0	2.226	3.196	5.9	21.4
5 11	15 3.32	−31 22.6	2.192	3.182	4.3	21.3
5 21	14 54.42	−30 31.9	2.185	3.168	5.2	21.3
5 31	14 46.52	−29 32.3	2.205	3.154	7.8	21.5
6 10	14 40.35	−28 29.5	2.251	3.139	10.6	21.6

479923 2014 HH_{100} 5 9.2 223°.05 0°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.87	−17 58.8	2.767	3.558	11.2	21.5
4 11	15 26.89	−18 13.3	2.667	3.552	8.8	21.3
4 21	15 20.14	−18 23.3	2.590	3.545	5.9	21.1
5 1	15 12.09	−18 29.0	2.541	3.538	2.8	20.9
5 11	15 3.38	−18 31.4	2.521	3.530	0.6	20.7
5 21	14 54.72	−18 31.9	2.531	3.523	3.9	20.9
5 31	14 46.84	−18 32.4	2.570	3.515	7.0	21.1
6 10	14 40.33	−18 35.2	2.634	3.507	9.8	21.3

417885 2007 QZ_{16} 5 9.2 280°.00 2°.7/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.67	−24 56.2	1.511	2.322	17.9	21.6
4 11	15 29.36	−24 57.3	1.408	2.300	14.6	21.3
4 21	15 22.84	−24 42.4	1.324	2.278	10.5	21.0
5 1	15 13.67	−24 10.0	1.262	2.255	5.8	20.6
5 11	15 2.98	−23 21.3	1.225	2.232	2.7	20.4
5 21	14 52.19	−22 20.7	1.214	2.209	6.4	20.5
5 31	14 42.84	−21 15.8	1.227	2.186	11.5	20.7
6 10	14 36.12	−20 15.5	1.261	2.163	16.2	21.0

17331 2056 $T\text{-}_{2}$ 5 9.2 237°.28 3°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.04	−24 43.6	1.585	2.389	17.6	19.1
4 11	15 30.87	−25 1.8	1.495	2.383	14.2	18.9
4 21	15 23.61	−25 6.6	1.425	2.376	10.2	18.6
5 1	15 13.91	−24 56.5	1.379	2.370	5.8	18.3
5 11	15 2.95	−24 31.9	1.357	2.363	3.0	18.1
5 21	14 52.11	−23 56.3	1.362	2.356	6.1	18.3
5 31	14 42.79	−23 15.6	1.391	2.349	10.6	18.5
6 10	14 36.04	−22 36.9	1.443	2.341	14.8	18.8

505451 2013 TR_{24} 5 9.2 132°.99 6°.4/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 41.46	−31 46.0	2.004	2.754	16.1	21.3
4 11	15 35.54	−33 8.3	1.917	2.760	13.5	21.1
4 21	15 26.61	−34 18.6	1.851	2.765	10.6	20.9
5 1	15 15.28	−35 11.9	1.810	2.770	7.9	20.8
5 11	15 2.64	−35 44.5	1.796	2.774	6.5	20.7
5 21	14 50.04	−35 56.3	1.809	2.779	7.4	20.7
5 31	14 38.83	−35 50.4	1.849	2.783	10.0	20.9
6 10	14 30.06	−35 33.2	1.912	2.787	12.8	21.1

131765 2002 AF_{12} 5 9.2 245°.68 4°.8/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.84	− 7 48.9	1.642	2.470	16.0	19.7
4 11	15 29.52	− 7 7.9	1.553	2.458	12.6	19.5
4 21	15 22.48	− 6 24.8	1.485	2.446	8.9	19.2
5 1	15 13.33	− 5 44.4	1.441	2.433	5.6	19.0
5 11	15 3.10	− 5 12.4	1.424	2.419	5.3	18.9
5 21	14 52.97	− 4 53.7	1.433	2.405	8.6	19.1
5 31	14 44.13	− 4 51.6	1.466	2.391	12.7	19.3
6 10	14 37.50	− 5 7.5	1.520	2.377	16.5	19.5

187387 2005 UW_{456} 5 9.2 207°.56 2°.2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.72	−12 22.9	2.821	3.631	10.5	21.3
4 11	15 22.74	−11 33.1	2.729	3.627	8.1	21.1
4 21	15 17.26	−10 38.9	2.662	3.623	5.4	21.0
5 1	15 10.73	− 9 43.2	2.623	3.618	2.9	20.8
5 11	15 3.72	− 8 49.6	2.613	3.613	2.6	20.8
5 21	14 56.85	− 8 1.5	2.632	3.608	5.0	20.9
5 31	14 50.72	− 7 22.0	2.679	3.602	7.7	21.1
6 10	14 45.81	− 6 53.1	2.750	3.597	10.2	21.2

478037 2011 SN_{256} 5 9.2 178°.95 0°.0/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.25	−19 1.2	2.824	3.617	10.9	23.2
4 11	15 24.74	−18 46.1	2.731	3.618	8.5	23.1
4 21	15 18.62	−18 24.5	2.663	3.619	5.7	22.9
5 1	15 11.36	−17 57.5	2.622	3.619	2.6	22.7
5 11	15 3.58	−17 27.2	2.610	3.620	0.6	22.5
5 21	14 55.96	−16 56.1	2.628	3.619	3.8	22.7
5 31	14 49.12	−16 27.1	2.674	3.618	6.8	22.9
6 10	14 43.60	−16 3.0	2.745	3.617	9.5	23.1

430642 2003 SE_{89} 5 9.2 283°.06 7°.7/13.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.24	−36 17.7	1.988	2.731	16.5	21.0
4 11	15 31.04	−37 18.3	1.881	2.712	14.2	20.7
4 21	15 23.82	−38 3.7	1.793	2.694	11.6	20.5
5 1	15 14.10	−38 28.7	1.728	2.675	9.2	20.3
5 11	15 2.91	−38 30.0	1.687	2.655	7.7	20.2
5 21	14 51.57	−38 7.4	1.671	2.636	8.3	20.2
5 31	14 41.50	−37 24.9	1.681	2.617	10.6	20.3
6 10	14 33.83	−36 30.1	1.713	2.598	13.6	20.4

345937 2007 RU_{273} 5 9.2 39°.13 0°.8/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.64	−17 55.0	2.007	2.822	13.9	21.4
4 11	15 24.90	−17 20.7	1.923	2.823	10.8	21.2
4 21	15 19.03	−16 37.4	1.862	2.825	7.2	20.9
5 1	15 11.62	−15 47.6	1.827	2.826	3.3	20.7
5 11	15 3.53	−14 55.1	1.819	2.827	1.3	20.5
5 21	14 55.67	−14 4.5	1.838	2.829	5.2	20.8
5 31	14 48.92	−13 20.6	1.884	2.830	9.0	21.0
6 10	14 43.95	−12 47.0	1.953	2.832	12.4	21.3

270495 2002 ED_{136} 5 9.2 316°.33 3°.5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.33	−25 32.7	1.686	2.489	16.7	20.4
4 11	15 27.87	−26 1.8	1.592	2.478	13.6	20.2
4 21	15 21.57	−26 18.7	1.518	2.467	9.9	19.9
5 1	15 12.99	−26 21.4	1.467	2.456	5.9	19.7
5 11	15 3.19	−26 9.8	1.442	2.445	3.5	19.5
5 21	14 53.43	−25 46.3	1.442	2.435	6.0	19.6
5 31	14 45.01	−25 15.7	1.467	2.425	10.1	19.8
6 10	14 38.93	−24 44.4	1.515	2.416	14.0	20.0

140692 2001 UF_{65} 5 9.2 208°.32 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.11	−28 4.2	2.606	3.375	12.4	20.1
4 11	15 25.73	−28 0.5	2.507	3.371	10.0	19.9
4 21	15 19.46	−27 44.9	2.430	3.366	7.3	19.7
5 1	15 11.80	−27 17.0	2.379	3.362	4.5	19.5
5 11	15 3.49	−26 38.1	2.356	3.357	2.7	19.4
5 21	14 55.33	−25 50.8	2.361	3.352	4.2	19.5
5 31	14 48.10	−24 59.3	2.395	3.346	7.1	19.6
6 10	14 42.40	−24 8.2	2.454	3.341	9.9	19.8

416917 2005 SV_{31} 5 9.2 22°.41 3°.6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.93	−23 44.9	1.645	2.445	17.2	20.7
4 11	15 32.23	−24 42.2	1.562	2.446	13.9	20.5
4 21	15 24.47	−25 30.5	1.500	2.448	10.0	20.3
5 1	15 14.31	−26 6.8	1.461	2.450	5.9	20.0
5 11	15 2.90	−26 29.5	1.449	2.452	3.6	19.9
5 21	14 51.63	−26 39.4	1.463	2.454	6.2	20.1
5 31	14 41.85	−26 39.9	1.502	2.456	10.3	20.3
6 10	14 34.60	−26 36.6	1.565	2.459	14.1	20.5

93874 2000 WX_{124} 5 9.2 141°.26 5°.7/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.12	− 0 32.4	2.397	3.205	12.2	21.0
4 11	15 26.98	+ 0 17.6	2.331	3.217	9.8	20.8
4 21	15 20.10	+ 1 3.5	2.288	3.229	7.4	20.7
5 1	15 12.02	+ 1 41.1	2.272	3.241	5.9	20.6
5 11	15 3.47	+ 2 6.4	2.284	3.251	6.1	20.6
5 21	14 55.20	+ 2 16.8	2.324	3.261	7.9	20.8
5 31	14 47.91	+ 2 11.2	2.389	3.271	10.3	20.9
6 10	14 42.13	+ 1 50.2	2.477	3.280	12.5	21.1

506712 2006 UC_{157} 5 9.2 169°.71 0°.1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.87	−18 9.1	3.034	3.824	10.3	23.2
4 11	15 25.08	−17 58.7	2.943	3.828	8.0	23.0
4 21	15 18.78	−17 42.9	2.876	3.832	5.4	22.9
5 1	15 11.42	−17 22.6	2.837	3.835	2.5	22.7
5 11	15 3.59	−16 59.8	2.828	3.837	0.6	22.5
5 21	14 55.91	−16 36.4	2.849	3.839	3.6	22.7
5 31	14 48.96	−16 14.9	2.898	3.841	6.4	22.9
6 10	14 43.25	−15 57.8	2.974	3.842	8.9	23.1

164325 2005 AJ_{48} 5 9.2 65°.82 2°.1/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.75	−24 27.4	1.975	2.772	14.8	20.2
4 11	15 26.74	−24 25.9	1.888	2.772	11.8	20.0
4 21	15 20.39	−24 12.3	1.823	2.773	8.3	19.8
5 1	15 12.29	−23 46.4	1.782	2.774	4.5	19.6
5 11	15 3.39	−23 10.1	1.768	2.775	2.1	19.4
5 21	14 54.70	−22 27.1	1.781	2.776	4.9	19.6
5 31	14 47.22	−21 42.3	1.821	2.777	8.7	19.8
6 10	14 41.69	−21 1.1	1.885	2.777	12.1	20.0

231916 2001 AS_{45} 5 9.2 194°.11 4°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.47	−34 30.8	2.676	3.405	13.0	21.6
4 11	15 30.03	−34 53.7	2.574	3.402	10.9	21.4
4 21	15 22.43	−35 2.9	2.494	3.399	8.6	21.2
5 1	15 13.21	−34 56.1	2.439	3.395	6.3	21.1
5 11	15 3.20	−34 32.8	2.411	3.390	4.9	21.0
5 21	14 53.31	−33 54.7	2.411	3.385	5.6	21.0
5 31	14 44.45	−33 5.6	2.440	3.379	7.6	21.1
6 10	14 37.33	−32 11.0	2.494	3.372	10.1	21.3

415194 2012 GS_{24} 5 9.2 106°.21 0°.2/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.52	−18 9.8	1.752	2.564	15.8	21.7
4 11	15 29.67	−17 58.1	1.681	2.579	12.3	21.5
4 21	15 22.30	−17 37.8	1.632	2.593	8.2	21.3
5 1	15 13.14	−17 10.5	1.608	2.607	3.7	21.1
5 11	15 3.24	−16 39.4	1.611	2.620	0.9	20.9
5 21	14 53.72	−16 8.3	1.641	2.633	5.5	21.2
5 31	14 45.64	−15 41.8	1.697	2.646	9.7	21.5
6 10	14 39.71	−15 23.7	1.777	2.659	13.3	21.7

396428 2014 ED_{39} 5 9.2 127°.07 3°.4/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.35	− 9 37.4	2.339	3.160	12.0	20.8
4 11	15 23.49	− 8 44.7	2.261	3.163	9.4	20.6
4 21	15 17.89	− 7 49.1	2.205	3.166	6.4	20.4
5 1	15 11.06	− 6 54.5	2.177	3.169	3.9	20.3
5 11	15 3.70	− 6 5.2	2.176	3.171	3.8	20.2
5 21	14 56.55	− 5 25.1	2.204	3.174	6.2	20.4
5 31	14 50.31	− 4 57.0	2.258	3.177	9.2	20.6
6 10	14 45.52	− 4 42.7	2.335	3.179	11.9	20.8

346228 2008 AL_{6} 5 9.2 28°.48 3°.6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.49	− 7 42.8	2.107	2.928	13.2	20.6
4 11	15 26.16	− 7 22.0	2.027	2.928	10.3	20.4
4 21	15 19.80	− 7 1.2	1.970	2.929	7.2	20.2
5 1	15 11.99	− 6 43.5	1.938	2.930	4.3	20.1
5 11	15 3.50	− 6 32.4	1.934	2.930	3.9	20.0
5 21	14 55.22	− 6 30.4	1.957	2.931	6.6	20.2
5 31	14 47.96	− 6 39.3	2.006	2.932	9.8	20.4
6 10	14 42.37	− 7 0.0	2.079	2.933	12.8	20.6

494518 2016 YA_{11} 5 9.2 18°.72 14°.5/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 49.56	+12 12.0	0.967	1.786	25.2	20.1
4 11	15 43.33	+12 14.3	0.907	1.787	21.8	19.9
4 21	15 32.51	+11 46.2	0.863	1.788	18.2	19.7
5 1	15 18.13	+10 35.5	0.836	1.790	15.3	19.5
5 11	15 2.13	+ 8 36.8	0.831	1.792	14.6	19.5
5 21	14 46.77	+ 5 54.5	0.848	1.794	16.7	19.6
5 31	14 34.14	+ 2 41.0	0.886	1.797	20.3	19.8
6 10	14 25.48	− 0 48.6	0.944	1.801	24.1	20.1

499053 2009 DQ_{94} 5 9.2 96°.24 3°.3/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.99	−27 9.9	2.348	3.117	13.6	22.2
4 11	15 29.63	−27 43.1	2.271	3.134	11.0	22.0
4 21	15 22.11	−28 5.8	2.216	3.151	8.0	21.9
5 1	15 13.04	−28 16.3	2.187	3.168	5.0	21.7
5 11	15 3.29	−28 14.8	2.186	3.184	3.3	21.6
5 21	14 53.79	−28 3.0	2.214	3.201	4.8	21.8
5 31	14 45.43	−27 44.2	2.269	3.217	7.6	22.0
6 10	14 38.88	−27 22.9	2.349	3.233	10.4	22.2

277627 2006 BF_{40} 5 9.2 115°.94 1°.8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.75	−14 31.5	1.929	2.748	14.3	20.9
4 11	15 26.57	−14 2.8	1.851	2.753	11.1	20.7
4 21	15 20.18	−13 28.1	1.795	2.758	7.4	20.5
5 1	15 12.18	−12 50.1	1.764	2.762	3.5	20.3
5 11	15 3.49	−12 12.7	1.761	2.767	2.2	20.2
5 21	14 55.05	−11 39.9	1.785	2.771	5.8	20.4
5 31	14 47.79	−11 15.6	1.835	2.776	9.6	20.7
6 10	14 42.39	−11 2.4	1.908	2.780	13.0	20.9

276091 2002 DQ_{18} 5 9.2 42°.24 1°.3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.56	−15 50.1	1.560	2.391	16.5	20.7
4 11	15 26.88	−15 31.0	1.494	2.402	12.8	20.5
4 21	15 20.57	−15 4.4	1.448	2.414	8.5	20.3
5 1	15 12.40	−14 33.0	1.426	2.426	3.9	20.1
5 11	15 3.45	−14 1.0	1.430	2.438	1.8	19.9
5 21	14 54.89	−13 32.8	1.460	2.451	6.2	20.2
5 31	14 47.79	−13 12.6	1.514	2.464	10.5	20.5
6 10	14 42.92	−13 3.7	1.591	2.478	14.3	20.8

186696 2004 BM_{31} 5 9.2 133°.94 1°.9/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.06	−23 22.5	1.828	2.625	15.8	21.0
4 11	15 30.20	−23 25.1	1.749	2.634	12.6	20.8
4 21	15 22.75	−23 15.9	1.691	2.643	8.8	20.5
5 1	15 13.41	−22 54.5	1.658	2.651	4.6	20.3
5 11	15 3.22	−22 23.0	1.651	2.659	1.9	20.1
5 21	14 53.35	−21 45.0	1.672	2.666	5.2	20.4
5 31	14 44.88	−21 5.7	1.720	2.673	9.2	20.6
6 10	14 38.60	−20 30.6	1.791	2.680	12.8	20.9

188114 2002 AF_{82} 5 9.2 251°.79 2°.5/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.19	−27 47.2	2.080	2.860	14.7	20.0
4 11	15 27.96	−27 22.3	1.971	2.843	12.0	19.8
4 21	15 21.30	−26 40.9	1.883	2.826	8.6	19.5
5 1	15 12.79	−25 42.5	1.819	2.808	5.0	19.3
5 11	15 3.34	−24 29.2	1.784	2.789	2.5	19.1
5 21	14 53.99	−23 5.8	1.776	2.770	5.0	19.2
5 31	14 45.79	−21 39.0	1.797	2.751	8.9	19.4
6 10	14 39.54	−20 16.3	1.842	2.731	12.6	19.6

199949 2007 HR_{15} 5 9.2 305°.60 5°.5/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.17	− 8 1.3	1.695	2.534	15.0	19.6
4 11	15 24.17	− 6 39.9	1.611	2.522	11.9	19.4
4 21	15 18.79	− 5 13.4	1.549	2.511	8.5	19.1
5 1	15 11.63	− 3 48.5	1.511	2.499	5.9	18.9
5 11	15 3.61	− 2 32.8	1.500	2.488	6.2	18.9
5 21	14 55.75	− 1 33.2	1.514	2.477	9.2	19.1
5 31	14 49.07	− 0 54.6	1.552	2.466	12.9	19.3
6 10	14 44.32	− 0 38.8	1.610	2.456	16.2	19.5

371092 2005 UA_{459} 5 9.2 159°.48 2°.0/ 7.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.31	−11 55.6	2.700	3.498	11.2	22.8
4 11	15 27.81	−11 31.2	2.617	3.508	8.7	22.6
4 21	15 20.65	−11 4.0	2.559	3.517	5.8	22.4
5 1	15 12.32	−10 36.0	2.529	3.525	3.0	22.3
5 11	15 3.49	−10 10.0	2.529	3.532	2.3	22.2
5 21	14 54.88	− 9 48.4	2.558	3.538	4.9	22.4
5 31	14 47.14	− 9 33.7	2.617	3.543	7.7	22.6
6 10	14 40.82	− 9 27.5	2.700	3.548	10.4	22.8

129760 1999 GO_{2} 5 9.2 356°.90 2°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.20	−12 36.0	0.983	1.854	21.0	18.9
4 11	15 25.83	−12 46.4	0.917	1.847	16.5	18.6
4 21	15 20.78	−12 53.5	0.868	1.843	11.2	18.3
5 1	15 12.80	−13 0.2	0.839	1.840	5.3	18.0
5 11	15 3.35	−13 10.1	0.831	1.839	2.8	17.8
5 21	14 54.16	−13 26.7	0.844	1.840	8.4	18.1
5 31	14 46.94	−13 53.1	0.878	1.842	14.1	18.4
6 10	14 42.88	−14 31.2	0.929	1.846	19.1	18.7

176794 2002 SH_{46} 5 9.2 257°.80 2°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.63	−14 37.3	1.681	2.509	15.7	20.3
4 11	15 26.95	−13 53.0	1.595	2.502	12.2	20.0
4 21	15 20.71	−13 0.1	1.530	2.495	8.2	19.8
5 1	15 12.53	−12 2.3	1.490	2.488	4.0	19.5
5 11	15 3.43	−11 5.0	1.475	2.481	2.9	19.4
5 21	14 54.52	−10 13.9	1.488	2.473	6.9	19.6
5 31	14 46.88	− 9 34.4	1.525	2.466	11.2	19.9
6 10	14 41.36	− 9 10.3	1.584	2.458	15.0	20.1

86056 1999 RE_{14} 5 9.2 273°.77 5°.8/ 3.7 18

4 1	15 27.44	− 1 22.9	2.526	3.341	11.4	20.2
4 11	15 23.61	− 0 16.6	2.426	3.318	9.2	20.0
4 21	15 18.06	+ 0 48.8	2.351	3.295	7.1	19.9
5 1	15 11.22	+ 1 48.3	2.303	3.271	5.8	19.7
5 11	15 3.73	+ 2 37.3	2.281	3.246	6.3	19.7
5 21	14 56.28	+ 3 11.7	2.287	3.222	8.2	19.8
5 31	14 49.56	+ 3 28.9	2.319	3.197	10.7	19.9
6 10	14 44.17	+ 3 28.4	2.372	3.172	13.1	20.0

125285 2001 VN_{21} 5 9.2 244°.01 0°.5/ 9.5 16

4 1	15 33.64	−20 38.5	1.569	2.385	17.1	20.9
4 11	15 29.71	−20 24.3	1.478	2.376	13.6	20.6
4 21	15 22.81	−19 57.4	1.406	2.367	9.3	20.3
5 1	15 13.60	−19 18.7	1.359	2.357	4.5	20.0
5 11	15 3.20	−18 31.3	1.337	2.347	1.0	19.7
5 21	14 52.92	−17 40.3	1.341	2.336	6.1	20.1
5 31	14 44.10	−16 52.3	1.371	2.325	11.0	20.3
6 10	14 37.72	−16 13.6	1.422	2.314	15.4	20.5

105771 2000 SG_{108} 5 9.2 253°.47 0°.2/ 9.3 18

4 1	15 29.69	−19 24.8	2.706	3.500	11.3	20.8
4 11	15 25.34	−19 11.4	2.595	3.481	8.9	20.6
4 21	15 19.22	−18 50.9	2.506	3.462	6.0	20.4
5 1	15 11.77	−18 24.1	2.445	3.442	2.8	20.1
5 11	15 3.62	−17 52.9	2.413	3.422	0.6	19.9
5 21	14 55.50	−17 19.9	2.410	3.402	4.0	20.1
5 31	14 48.13	−16 48.4	2.435	3.381	7.3	20.3
6 10	14 42.12	−16 21.6	2.485	3.359	10.3	20.5

118733 2000 QN_{125} 5 9.2 146°.40 5°.1/13.4 17

4 1	15 36.57	−35 4.1	2.526	3.254	13.7	20.6
4 11	15 30.89	−35 26.5	2.439	3.266	11.5	20.4
4 21	15 22.99	−35 33.9	2.374	3.278	9.0	20.3
5 1	15 13.48	−35 24.0	2.333	3.288	6.7	20.1
5 11	15 3.26	−34 56.7	2.320	3.298	5.2	20.0
5 21	14 53.30	−34 14.1	2.334	3.308	5.8	20.1
5 31	14 44.53	−33 20.7	2.377	3.316	7.8	20.2
6 10	14 37.65	−32 22.4	2.445	3.324	10.2	20.4

476353 2008 BZ_{1} 5 9.2 75°.86 5°.2/12.9 17

4 1	15 33.83	−32 52.4	2.283	3.034	14.4	21.2
4 11	15 28.99	−33 32.4	2.204	3.048	12.0	21.1
4 21	15 21.84	−33 58.4	2.147	3.061	9.3	20.9
5 1	15 12.99	−34 7.9	2.113	3.075	6.8	20.8
5 11	15 3.37	−34 0.4	2.106	3.088	5.3	20.7
5 21	14 53.98	−33 37.7	2.126	3.102	6.0	20.8
5 31	14 45.80	−33 3.9	2.172	3.115	8.2	20.9
6 10	14 39.56	−32 24.4	2.244	3.129	10.8	21.1

100911 1998 KF_{26} 5 9.2 333°.29 4°.0/ 6.9 17

4 1	15 23.28	−13 23.5	1.128	1.995	19.1	19.2
4 11	15 22.43	−12 29.4	1.046	1.976	15.0	18.9
4 21	15 18.36	−11 23.4	0.983	1.957	10.2	18.6
5 1	15 11.69	−10 11.3	0.940	1.939	5.4	18.2
5 11	15 3.63	− 9 1.9	0.919	1.923	4.8	18.1
5 21	14 55.64	− 8 4.4	0.920	1.908	9.5	18.4
5 31	14 49.25	− 7 27.0	0.942	1.895	14.9	18.6
6 10	14 45.59	− 7 14.1	0.982	1.883	19.8	18.8

155104 2005 SO_{225} 5 9.2 124°.15 2°.1/10.3 17

4 1	15 37.37	−22 14.6	2.038	2.826	14.7	19.9
4 11	15 31.77	−22 46.3	1.958	2.837	11.7	19.7
4 21	15 23.72	−23 9.7	1.900	2.848	8.2	19.5
5 1	15 13.87	−23 23.5	1.867	2.859	4.4	19.3
5 11	15 3.18	−23 28.0	1.863	2.869	2.1	19.2
5 21	14 52.73	−23 24.8	1.887	2.879	4.9	19.4
5 31	14 43.55	−23 17.3	1.939	2.889	8.6	19.6
6 10	14 36.41	−23 9.6	2.015	2.898	11.9	19.9

359714 2011 TT_{11} 5 9.2 177°.10 3°.1/ 7.5 18

4 1	15 35.57	−11 24.4	1.675	2.497	16.0	21.7
4 11	15 30.70	−10 55.1	1.596	2.499	12.5	21.4
4 21	15 23.17	−10 21.8	1.538	2.500	8.5	21.2
5 1	15 13.65	− 9 48.0	1.505	2.501	4.5	21.0
5 11	15 3.23	− 9 18.1	1.498	2.501	3.6	20.9
5 21	14 53.07	− 8 56.5	1.519	2.501	7.2	21.1
5 31	14 44.31	− 8 46.7	1.565	2.500	11.4	21.4
6 10	14 37.77	− 8 50.8	1.633	2.499	15.1	21.6

340445 2006 GS_{26} 5 9.2 350°.08 0°.1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.64	−17 2.1	1.669	2.494	15.9	20.4
4 11	15 27.05	−17 9.3	1.586	2.490	12.5	20.1
4 21	15 20.84	−17 9.8	1.524	2.487	8.4	19.9
5 1	15 12.63	−17 4.8	1.485	2.484	3.9	19.6
5 11	15 3.45	−16 56.3	1.473	2.482	0.9	19.4
5 21	14 54.43	−16 47.2	1.487	2.481	5.7	19.7
5 31	14 46.71	−16 41.3	1.525	2.480	10.1	19.9
6 10	14 41.16	−16 41.9	1.587	2.479	14.0	20.2

225881 2001 YW_{68} 5 9.2 127°.30 0°.6/ 9.6 15

4 1	15 33.62	−20 41.7	2.110	2.907	14.0	21.6
4 11	15 28.63	−20 31.8	2.033	2.920	11.0	21.5
4 21	15 21.47	−20 12.8	1.978	2.933	7.4	21.3
5 1	15 12.78	−19 45.5	1.949	2.945	3.6	21.0
5 11	15 3.44	−19 12.3	1.948	2.957	0.8	20.8
5 21	14 54.40	−18 36.7	1.975	2.968	4.6	21.1
5 31	14 46.56	−18 2.8	2.030	2.979	8.3	21.4
6 10	14 40.56	−17 34.7	2.109	2.989	11.6	21.6

325946 2010 VB_{63} 5 9.2 243°.01 2°.0/10.3 17

4 1	15 35.84	−23 17.3	1.992	2.782	14.9	21.8
4 11	15 30.98	−23 27.7	1.884	2.765	12.0	21.6
4 21	15 23.49	−23 27.8	1.798	2.747	8.5	21.4
5 1	15 13.90	−23 16.5	1.737	2.729	4.6	21.1
5 11	15 3.15	−22 54.4	1.703	2.710	2.0	20.9
5 21	14 52.36	−22 24.1	1.697	2.691	5.2	21.0
5 31	14 42.70	−21 50.3	1.719	2.670	9.4	21.2
6 10	14 35.10	−21 18.2	1.764	2.649	13.2	21.4

431817 2008 RS_{64} 5 9.2 210°.27 1°.7/ 7.9 17

4 1	15 31.16	−14 8.5	2.380	3.188	12.3	22.2
4 11	15 26.56	−13 38.5	2.286	3.181	9.6	22.0
4 21	15 20.05	−13 3.3	2.214	3.175	6.4	21.8
5 1	15 12.15	−12 25.1	2.170	3.167	3.1	21.6
5 11	15 3.57	−11 47.2	2.154	3.159	2.1	21.5
5 21	14 55.12	−11 12.9	2.167	3.151	5.2	21.7
5 31	14 47.58	−10 45.7	2.207	3.142	8.5	21.9
6 10	14 41.59	−10 28.0	2.272	3.133	11.6	22.1

6157 Prey 5 9.2 72°.91 2°.2/10.5 18

4 1	15 32.84	−24 35.3	1.544	2.354	17.7	17.5
4 11	15 28.93	−24 29.9	1.471	2.363	14.1	17.3
4 21	15 22.12	−24 9.1	1.418	2.372	9.9	17.1
5 1	15 13.19	−23 33.1	1.388	2.381	5.3	16.8
5 11	15 3.35	−22 44.6	1.383	2.391	2.2	16.7
5 21	14 53.90	−21 49.0	1.404	2.400	5.7	16.9
5 31	14 46.07	−20 53.1	1.451	2.409	10.1	17.2
6 10	14 40.70	−20 3.8	1.520	2.419	14.1	17.4

105246 2000 QH_{2} 5 9.2 208°.65 14°.3/19.1 18

4 1	15 45.28	−50 0.8	1.415	2.106	24.1	19.7
4 11	15 40.99	−50 57.8	1.329	2.102	22.0	19.5
4 21	15 31.60	−51 22.0	1.255	2.097	19.5	19.3
5 1	15 17.98	−51 1.7	1.197	2.091	16.9	19.1
5 11	15 2.26	−49 48.5	1.158	2.085	14.9	18.9
5 21	14 47.13	−47 43.0	1.141	2.077	14.3	18.9
5 31	14 35.06	−44 56.4	1.145	2.069	15.6	18.9
6 10	14 27.50	−41 48.3	1.171	2.060	18.2	19.1

230869 2004 RJ_{196} 5 9.2 135°.09 1°.8/ 7.7 17

4 1	15 29.20	−17 12.4	1.881	2.701	14.6	19.9
4 11	15 25.45	−16 4.6	1.799	2.703	11.3	19.7
4 21	15 19.47	−14 45.7	1.740	2.705	7.5	19.5
5 1	15 11.90	−13 19.7	1.707	2.706	3.5	19.3
5 11	15 3.65	−11 52.9	1.702	2.708	2.4	19.2
5 21	14 55.69	−10 31.6	1.724	2.710	6.1	19.4
5 31	14 48.92	− 9 22.2	1.773	2.711	10.0	19.7
6 10	14 44.02	− 8 28.7	1.844	2.713	13.5	19.9

410180 2007 RD_{6} 5 9.2 237°.50 1°.3/ 8.4 16

4 1	15 32.99	−17 25.1	1.722	2.539	15.8	21.9
4 11	15 28.87	−16 45.7	1.627	2.528	12.4	21.6
4 21	15 22.07	−15 55.2	1.553	2.516	8.4	21.3
5 1	15 13.23	−14 56.2	1.505	2.504	3.8	21.0
5 11	15 3.35	−13 53.3	1.483	2.491	1.8	20.9
5 21	14 53.59	−12 52.6	1.488	2.477	6.4	21.1
5 31	14 45.11	−12 0.2	1.519	2.463	10.9	21.3
6 10	14 38.80	−11 21.3	1.572	2.449	15.0	21.6

267364 2001 XW_{64} 5 9.2 103°.18 12°.4/ 2.8 17

4 1	15 39.08	+19 18.9	2.022	2.776	15.9	20.6
4 11	15 32.58	+20 12.1	1.981	2.794	14.3	20.5
4 21	15 23.90	+20 45.3	1.959	2.811	13.0	20.5
5 1	15 13.80	+20 51.6	1.960	2.828	12.5	20.5
5 11	15 3.28	+20 27.6	1.984	2.845	12.7	20.5
5 21	14 53.31	+19 33.3	2.030	2.861	13.8	20.6
5 31	14 44.77	+18 11.7	2.098	2.877	15.2	20.7
6 10	14 38.25	+16 28.4	2.186	2.893	16.7	20.9

281710 2008 WU_{103} 5 9.2 218°.31 1°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.28	−15 53.8	2.159	2.969	13.3	21.1
4 11	15 26.89	−15 38.5	2.067	2.964	10.4	20.9
4 21	15 20.40	−15 17.1	1.999	2.959	6.9	20.7
5 1	15 12.36	−14 51.5	1.956	2.954	3.2	20.4
5 11	15 3.56	−14 24.3	1.941	2.949	1.4	20.3
5 21	14 54.90	−13 58.9	1.954	2.944	5.1	20.5
5 31	14 47.26	−13 38.5	1.994	2.938	8.8	20.7
6 10	14 41.32	−13 26.3	2.058	2.932	12.1	20.9

427192 2014 VG_{17} 5 9.2 264°.70 0°.2/ 9.1 17

4 1	15 35.52	−16 57.1	1.597	2.416	16.8	21.6
4 11	15 31.27	−17 3.4	1.499	2.399	13.3	21.4
4 21	15 23.99	−17 2.8	1.420	2.382	9.1	21.1
5 1	15 14.25	−16 55.9	1.365	2.364	4.2	20.7
5 11	15 3.11	−16 44.7	1.336	2.346	1.1	20.4
5 21	14 51.91	−16 32.3	1.334	2.327	6.3	20.7
5 31	14 42.02	−16 22.9	1.357	2.309	11.3	21.0
6 10	14 34.56	−16 20.8	1.402	2.290	15.8	21.2

480507 2015 MR 5 9.2 276°.73 3°.1/ 7.1 18

4 1	15 29.62	− 9 32.8	2.205	3.024	12.7	20.7
4 11	15 25.56	− 9 8.7	2.111	3.012	10.0	20.5
4 21	15 19.50	− 8 42.8	2.040	3.000	6.8	20.2
5 1	15 11.95	− 8 18.0	1.995	2.988	3.9	20.0
5 11	15 3.67	− 7 57.7	1.977	2.977	3.4	20.0
5 21	14 55.47	− 7 44.9	1.987	2.965	6.2	20.1
5 31	14 48.18	− 7 42.2	2.024	2.953	9.5	20.3
6 10	14 42.49	− 7 51.1	2.084	2.941	12.6	20.5

189587 2000 WR_{7} 5 9.2 217°.41 3°.2/ 6.9 18

4 1	15 31.55	− 9 39.3	2.292	3.105	12.5	21.3
4 11	15 26.93	− 9 3.2	2.199	3.097	9.8	21.1
4 21	15 20.35	− 8 24.6	2.129	3.088	6.7	20.9
5 1	15 12.32	− 7 46.6	2.086	3.079	3.9	20.7
5 11	15 3.60	− 7 12.9	2.072	3.070	3.6	20.7
5 21	14 54.99	− 6 47.0	2.086	3.060	6.3	20.8
5 31	14 47.31	− 6 31.9	2.126	3.049	9.5	21.0
6 10	14 41.20	− 6 29.2	2.190	3.038	12.4	21.2

7455 Podosek 5 9.2 136°.26 1°.2/ 8.4 18

4 1	15 29.67	−16 5.8	2.060	2.876	13.6	18.1
4 11	15 25.68	−15 39.7	1.976	2.877	10.6	17.9
4 21	15 19.59	−15 6.7	1.915	2.878	7.1	17.7
5 1	15 11.98	−14 29.2	1.880	2.879	3.2	17.5
5 11	15 3.68	−13 50.5	1.872	2.880	1.6	17.4
5 21	14 55.59	−13 14.5	1.891	2.881	5.3	17.6
5 31	14 48.57	−12 45.1	1.937	2.881	9.0	17.8
6 10	14 43.28	−12 25.4	2.007	2.882	12.3	18.0

154497 2003 FD_{21} 5 9.2 29°.68 9°.0/ 4.9 17

4 1	15 31.69	+ 2 28.2	1.482	2.316	17.1	19.5
4 11	15 27.76	+ 3 20.4	1.424	2.322	14.0	19.3
4 21	15 21.19	+ 4 3.3	1.387	2.329	11.1	19.1
5 1	15 12.74	+ 4 29.4	1.371	2.337	9.2	19.0
5 11	15 3.52	+ 4 32.9	1.380	2.345	9.5	19.1
5 21	14 54.72	+ 4 11.3	1.412	2.353	11.7	19.2
5 31	14 47.40	+ 3 25.1	1.466	2.362	14.6	19.4
6 10	14 42.34	+ 2 17.6	1.540	2.372	17.5	19.6

205853 2002 EB_{65} 5 9.2 117°.80 0°.3/ 9.4 18

4 1	15 36.27	−20 1.9	1.710	2.517	16.3	21.7
4 11	15 31.13	−19 45.5	1.640	2.534	12.8	21.5
4 21	15 23.35	−19 18.3	1.592	2.550	8.6	21.3
5 1	15 13.71	−18 41.9	1.568	2.565	4.0	21.1
5 11	15 3.32	−17 59.5	1.571	2.580	0.8	20.9
5 21	14 53.38	−17 15.8	1.601	2.595	5.5	21.2
5 31	14 44.95	−16 36.3	1.658	2.608	9.8	21.5
6 10	14 38.80	−16 5.5	1.738	2.622	13.5	21.8

470450 2007 YM_{36} 5 9.2 201°.89 4°.8/ 5.7 18

4 1	15 29.89	− 3 19.1	2.377	3.191	12.1	21.0
4 11	15 25.48	− 2 44.8	2.296	3.190	9.6	20.9
4 21	15 19.27	− 2 12.8	2.238	3.188	7.0	20.7
5 1	15 11.79	− 1 46.8	2.207	3.186	5.1	20.6
5 11	15 3.74	− 1 30.5	2.203	3.184	5.2	20.6
5 21	14 55.85	− 1 26.3	2.227	3.182	7.2	20.7
5 31	14 48.85	− 1 35.8	2.277	3.180	9.8	20.8
6 10	14 43.32	− 1 58.9	2.350	3.178	12.3	21.0

63051 2000 WR_{96} 5 9.2 288°.35 1°.6/ 8.3 18

4 1	15 31.72	−14 57.9	1.860	2.679	14.7	19.4
4 11	15 27.90	−14 39.1	1.748	2.650	11.6	19.1
4 21	15 21.53	−14 13.5	1.656	2.619	7.9	18.8
5 1	15 13.08	−13 42.9	1.590	2.589	3.7	18.5
5 11	15 3.42	−13 10.6	1.550	2.558	2.0	18.3
5 21	14 53.61	−12 40.7	1.538	2.526	6.3	18.5
5 31	14 44.80	−12 17.9	1.551	2.495	10.8	18.7
6 10	14 37.95	−12 5.8	1.586	2.463	14.9	18.9

338758 2003 UK_{197} 5 9.2 228°.56 1°.4/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.24	−15 28.0	2.320	3.129	12.5	21.8
4 11	15 25.95	−14 56.6	2.223	3.120	9.8	21.6
4 21	15 19.72	−14 18.7	2.149	3.110	6.5	21.4
5 1	15 12.05	−13 36.6	2.102	3.100	3.1	21.2
5 11	15 3.68	−12 53.5	2.083	3.090	1.8	21.1
5 21	14 55.42	−12 13.2	2.093	3.079	5.1	21.3
5 31	14 48.08	−11 39.4	2.130	3.068	8.6	21.5
6 10	14 42.31	−11 15.2	2.191	3.057	11.8	21.6

432367 2009 WM_{69} 5 9.2 128°.40 5°.4/ 5.6 17

4 1	15 33.25	− 1 44.4	2.278	3.087	12.7	22.3
4 11	15 27.99	− 1 6.9	2.212	3.101	10.1	22.1
4 21	15 20.87	− 0 33.2	2.169	3.115	7.5	22.0
5 1	15 12.49	− 0 7.3	2.153	3.128	5.6	21.9
5 11	15 3.61	+ 0 7.1	2.165	3.141	5.7	21.9
5 21	14 55.03	+ 0 7.7	2.204	3.153	7.7	22.1
5 31	14 47.50	− 0 6.4	2.270	3.165	10.2	22.2
6 10	14 41.57	− 0 34.7	2.358	3.176	12.6	22.4

439987 2001 XS_{146} 5 9.2 124°.46 1°.3/10.7 18

4 1	15 26.02	−24 50.3	3.657	4.428	9.1	21.5
4 11	15 21.93	−24 38.0	3.570	4.440	7.2	21.3
4 21	15 16.63	−24 18.3	3.508	4.451	5.0	21.2
5 1	15 10.51	−23 51.8	3.473	4.462	2.8	21.0
5 11	15 4.04	−23 19.7	3.467	4.473	1.3	20.9
5 21	14 57.73	−22 44.2	3.492	4.484	2.9	21.1
5 31	14 52.04	−22 7.7	3.545	4.495	5.1	21.2
6 10	14 47.38	−21 32.7	3.625	4.505	7.2	21.4

90113 2002 XG_{52} 5 9.2 106°.01 3°.8/ 7.3 17

4 1	15 35.02	− 7 56.3	1.738	2.560	15.5	20.0
4 11	15 30.07	− 7 41.8	1.666	2.569	12.1	19.8
4 21	15 22.64	− 7 27.7	1.617	2.577	8.3	19.6
5 1	15 13.41	− 7 17.4	1.592	2.585	4.8	19.4
5 11	15 3.40	− 7 14.3	1.594	2.592	4.2	19.4
5 21	14 53.71	− 7 21.0	1.622	2.600	7.3	19.6
5 31	14 45.37	− 7 39.4	1.677	2.608	11.0	19.8
6 10	14 39.14	− 8 9.7	1.753	2.615	14.4	20.0

125789 2001 XY_{151} 5 9.2 296°.33 2°.6/ 7.9 18

4 1	15 31.40	−12 4.8	1.668	2.497	15.7	20.2
4 11	15 27.73	−11 49.3	1.574	2.482	12.3	19.9
4 21	15 21.40	−11 29.7	1.502	2.467	8.4	19.6
5 1	15 12.99	−11 9.1	1.454	2.451	4.2	19.3
5 11	15 3.47	−10 51.0	1.431	2.436	3.0	19.2
5 21	14 53.98	−10 39.5	1.435	2.421	7.0	19.4
5 31	14 45.71	−10 38.0	1.463	2.407	11.4	19.6
6 10	14 39.58	−10 48.9	1.514	2.392	15.4	19.8

472336 2015 AF_{230} 5 9.2 51°.13 12°.7/28.7 17

4 1	15 29.20	+13 4.4	1.753	2.558	16.1	20.5
4 11	15 25.50	+15 0.3	1.705	2.562	14.3	20.4
4 21	15 19.52	+16 40.8	1.679	2.566	13.1	20.3
5 1	15 11.95	+17 56.3	1.675	2.570	12.8	20.3
5 11	15 3.73	+18 40.0	1.692	2.574	13.5	20.4
5 21	14 55.87	+18 49.0	1.731	2.579	15.0	20.5
5 31	14 49.26	+18 24.1	1.788	2.583	16.8	20.6
6 10	14 44.59	+17 29.6	1.862	2.588	18.6	20.8

418070 2007 VL_{216} 5 9.2 232°.86 1°.0/ 9.8 17

4 1	15 34.74	−21 42.1	1.866	2.667	15.4	22.1
4 11	15 30.18	−21 32.3	1.766	2.655	12.3	21.9
4 21	15 22.96	−21 11.1	1.687	2.642	8.5	21.6
5 1	15 13.69	−20 38.5	1.632	2.628	4.2	21.3
5 11	15 3.33	−19 56.7	1.605	2.614	1.1	21.1
5 21	14 53.04	−19 9.9	1.606	2.600	5.4	21.3
5 31	14 43.97	−18 23.5	1.633	2.584	9.8	21.6
6 10	14 37.03	−17 43.3	1.683	2.568	13.7	21.8

381166 2007 HY_{72} 5 9.2 262°.79 1°.0/ 8.6 17

4 1	15 32.11	−15 36.7	1.935	2.750	14.4	21.3
4 11	15 27.90	−15 29.4	1.840	2.740	11.3	21.1
4 21	15 21.30	−15 16.2	1.767	2.729	7.6	20.9
5 1	15 12.88	−14 58.8	1.719	2.718	3.5	20.6
5 11	15 3.52	−14 39.7	1.698	2.707	1.4	20.4
5 21	14 54.23	−14 22.1	1.705	2.695	5.5	20.7
5 31	14 46.04	−14 9.5	1.738	2.684	9.7	20.9
6 10	14 39.76	−14 5.1	1.794	2.672	13.3	21.1

8216 Melosh 5 9.2 263°.97 1°.2/ 8.5 18

4 1	15 32.67	−15 30.8	1.982	2.794	14.2	19.3
4 11	15 28.38	−15 15.8	1.876	2.774	11.2	19.1
4 21	15 21.68	−14 54.3	1.792	2.754	7.6	18.8
5 1	15 13.09	−14 28.0	1.734	2.733	3.5	18.5
5 11	15 3.46	−13 59.9	1.703	2.711	1.6	18.3
5 21	14 53.81	−13 33.5	1.700	2.690	5.7	18.6
5 31	14 45.19	−13 12.8	1.724	2.668	9.9	18.8
6 10	14 38.44	−13 1.3	1.771	2.645	13.7	18.9

465869 2010 SW_{28} 5 9.2 240°.01 1°.3/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.48	−16 40.2	1.971	2.781	14.4	22.2
4 11	15 28.96	−16 6.0	1.868	2.765	11.3	22.0
4 21	15 22.03	−15 22.7	1.787	2.748	7.6	21.7
5 1	15 13.23	−14 32.4	1.732	2.730	3.5	21.4
5 11	15 3.45	−13 39.0	1.704	2.712	1.8	21.2
5 21	14 53.71	−12 47.4	1.705	2.693	5.9	21.5
5 31	14 45.06	−12 2.8	1.732	2.673	10.1	21.7
6 10	14 38.33	−11 29.5	1.783	2.653	13.8	21.9

523705 2014 HE_{200} 5 9.2 342°.13 0°.0/ 9.3 18

4 1	15 8.37	−18 5.6	35.268	36.058	1.0	22.2
4 11	15 7.65	−18 2.2	35.166	36.052	0.8	22.1
4 21	15 6.84	−17 58.5	35.091	36.047	0.5	22.1
5 1	15 5.97	−17 54.4	35.043	36.041	0.2	22.1
5 11	15 5.07	−17 50.2	35.026	36.035	0.0	22.0
5 21	15 4.17	−17 46.0	35.037	36.030	0.3	22.1
5 31	15 3.32	−17 41.9	35.078	36.024	0.6	22.1
6 10	15 2.54	−17 38.1	35.145	36.018	0.8	22.1

374446 2005 WP_{207} 5 9.2 89°.42 3°.2/11.4 17

4 1	15 33.73	−27 49.3	1.862	2.647	16.0	21.1
4 11	15 29.13	−27 47.4	1.790	2.664	12.9	21.0
4 21	15 22.01	−27 30.1	1.739	2.681	9.3	20.8
5 1	15 13.11	−26 56.8	1.712	2.697	5.6	20.6
5 11	15 3.51	−26 9.8	1.711	2.714	3.2	20.5
5 21	14 54.32	−25 13.3	1.737	2.730	5.2	20.6
5 31	14 46.57	−24 13.6	1.791	2.746	8.8	20.9
6 10	14 40.99	−23 17.0	1.868	2.762	12.2	21.1

1307 Cimmeria 5 9.2 139°.28 0°.2/ 9.4 18

4 1	15 34.49	−20 47.7	1.589	2.403	17.1	16.1
4 11	15 30.08	−20 20.7	1.513	2.410	13.4	15.8
4 21	15 22.86	−19 40.6	1.457	2.417	9.1	15.6
5 1	15 13.57	−18 49.1	1.426	2.424	4.3	15.3
5 11	15 3.40	−17 50.5	1.420	2.430	0.9	15.1
5 21	14 53.60	−16 50.6	1.442	2.435	5.8	15.4
5 31	14 45.36	−15 56.1	1.488	2.441	10.5	15.7
6 10	14 39.50	−15 12.6	1.558	2.445	14.5	16.0

295199 2008 FG_{111} 5 9.2 331°.62 0°.0/ 9.0 18

4 1	15 21.67	−19 25.0	4.057	4.850	7.9	20.1
4 11	15 18.52	−18 59.8	3.959	4.846	6.1	20.0
4 21	15 14.35	−18 29.5	3.886	4.843	4.1	19.8
5 1	15 9.48	−17 55.3	3.841	4.839	1.9	19.7
5 11	15 4.30	−17 18.9	3.826	4.836	0.4	19.5
5 21	14 59.20	−16 42.2	3.841	4.832	2.7	19.7
5 31	14 54.59	−16 7.4	3.884	4.829	4.9	19.9
6 10	14 50.80	−15 36.4	3.954	4.826	6.8	20.0

250780 2005 TE_{42} 5 9.2 168°.10 1°.5/ 7.7 18

4 1	15 27.35	−15 7.7	2.849	3.653	10.5	20.6
4 11	15 23.24	−14 19.1	2.761	3.656	8.1	20.4
4 21	15 17.65	−13 25.0	2.698	3.659	5.4	20.2
5 1	15 11.03	−12 27.7	2.664	3.661	2.6	20.0
5 11	15 3.97	−11 30.8	2.658	3.663	1.8	20.0
5 21	14 57.08	−10 37.6	2.682	3.665	4.4	20.2
5 31	14 50.96	− 9 51.5	2.735	3.666	7.2	20.3
6 10	14 46.07	− 9 14.9	2.812	3.667	9.8	20.5

473726 2016 BU_{12} 5 9.2 108°.07 4°.2/11.9 18

4 1	15 36.40	−29 29.1	1.638	2.422	17.9	21.2
4 11	15 31.67	−29 37.1	1.565	2.436	14.6	21.0
4 21	15 23.96	−29 27.0	1.512	2.450	10.7	20.8
5 1	15 14.09	−28 57.1	1.482	2.464	6.8	20.6
5 11	15 3.31	−28 8.8	1.477	2.477	4.3	20.5
5 21	14 52.99	−27 7.1	1.498	2.490	6.1	20.6
5 31	14 44.38	−25 59.4	1.546	2.502	9.8	20.9
6 10	14 38.32	−24 53.8	1.616	2.514	13.5	21.1

94629 2001 WG_{11} 5 9.2 150°.80 2°.1/ 7.9 18

4 1	15 35.11	−14 21.9	1.664	2.485	16.1	20.6
4 11	15 30.34	−13 50.0	1.589	2.491	12.6	20.3
4 21	15 22.94	−13 11.1	1.535	2.498	8.4	20.1
5 1	15 13.60	−12 28.6	1.505	2.504	4.0	19.8
5 11	15 3.42	−11 46.8	1.503	2.509	2.6	19.8
5 21	14 53.57	−11 10.8	1.527	2.514	6.6	20.0
5 31	14 45.16	−10 45.0	1.577	2.518	10.9	20.3
6 10	14 38.99	−10 32.4	1.649	2.522	14.6	20.5

517660 2015 BG_{544} 5 9.2 243°.29 1°.2/ 9.9 17

4 1	15 33.84	−20 45.4	2.259	3.051	13.3	21.6
4 11	15 29.03	−20 58.7	2.154	3.038	10.6	21.4
4 21	15 21.98	−21 4.7	2.072	3.025	7.3	21.1
5 1	15 13.19	−21 3.1	2.016	3.011	3.7	20.9
5 11	15 3.49	−20 54.7	1.988	2.996	1.2	20.7
5 21	14 53.78	−20 41.7	1.988	2.982	4.6	20.9
5 31	14 45.04	−20 27.0	2.017	2.967	8.3	21.1
6 10	14 38.03	−20 14.4	2.070	2.951	11.7	21.2

469578 2003 WN_{165} 5 9.2 260°.70 0°.8/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.76	−22 7.3	2.271	3.066	13.2	22.4
4 11	15 26.62	−21 45.6	2.160	3.046	10.5	22.2
4 21	15 20.35	−21 12.9	2.072	3.026	7.2	21.9
5 1	15 12.44	−20 29.8	2.009	3.005	3.6	21.6
5 11	15 3.67	−19 38.7	1.974	2.984	0.9	21.4
5 21	14 54.93	−18 43.5	1.968	2.962	4.6	21.6
5 31	14 47.13	−17 48.9	1.990	2.940	8.4	21.8
6 10	14 40.99	−17 0.0	2.036	2.917	11.9	22.0

501191 2013 TP_{113} 5 9.2 194°.33 2°.8/ 6.9 17

4 1	15 29.84	−13 43.5	1.984	2.804	13.9	21.4
4 11	15 25.87	−12 38.0	1.900	2.803	10.8	21.2
4 21	15 19.75	−11 24.7	1.839	2.802	7.2	21.0
5 1	15 12.10	−10 7.9	1.804	2.801	3.8	20.8
5 11	15 3.76	− 8 53.4	1.797	2.799	3.3	20.7
5 21	14 55.66	− 7 46.8	1.818	2.797	6.6	20.9
5 31	14 48.66	− 6 53.3	1.865	2.794	10.2	21.1
6 10	14 43.44	− 6 15.8	1.935	2.792	13.5	21.3

85476 1997 MY 5 9.2 226°.41 0°.9/ 8.7 18

4 1	15 34.88	−17 40.4	1.870	2.678	15.1	19.9
4 11	15 30.19	−17 11.4	1.771	2.666	11.9	19.7
4 21	15 22.92	−16 32.6	1.694	2.654	8.0	19.4
5 1	15 13.67	−15 45.9	1.642	2.640	3.7	19.1
5 11	15 3.40	−14 54.9	1.618	2.626	1.4	18.9
5 21	14 53.22	−14 4.5	1.621	2.611	5.9	19.2
5 31	14 44.24	−13 20.1	1.652	2.596	10.2	19.4
6 10	14 37.32	−12 46.5	1.705	2.579	14.2	19.6

459660 2013 KJ_8 5 9.2 345°.34 22°.2/29.5 17

4 1	15 35.14	+26 52.1	1.144	1.925	24.2	19.4
4 11	15 31.64	+28 16.3	1.096	1.913	23.2	19.3
4 21	15 24.42	+29 4.1	1.062	1.902	22.4	19.2
5 1	15 14.44	+29 1.2	1.042	1.892	22.2	19.1
5 11	15 3.27	+27 58.6	1.036	1.884	22.6	19.1
5 21	14 52.65	+25 55.5	1.046	1.878	23.7	19.2
5 31	14 44.15	+22 58.6	1.070	1.873	25.3	19.3
6 10	14 38.76	+19 20.9	1.110	1.870	27.0	19.4

232519 2003 RG_6 5 9.2 209°.38 2°.5/10.9 18

4 1	15 32.39	−25 34.0	2.164	2.948	14.1	21.0
4 11	15 27.96	−25 40.1	2.070	2.945	11.3	20.8
4 21	15 21.26	−25 34.6	1.997	2.942	8.1	20.6
5 1	15 12.85	−25 16.9	1.950	2.938	4.7	20.4
5 11	15 3.62	−24 48.1	1.929	2.934	2.5	20.2
5 21	14 54.52	−24 11.1	1.937	2.930	4.7	20.4
5 31	14 46.53	−23 30.3	1.972	2.926	8.2	20.6
6 10	14 40.39	−22 50.7	2.032	2.921	11.5	20.8

355580 2008 CY_{99} 5 9.2 212°.61 4°.3/12.7 17

4 1	15 32.30	−32 36.8	2.703	3.447	12.6	21.8
4 11	15 27.59	−32 59.3	2.602	3.442	10.5	21.6
4 21	15 20.87	−33 9.2	2.522	3.436	8.1	21.5
5 1	15 12.64	−33 5.0	2.467	3.431	5.8	21.3
5 11	15 3.66	−32 46.3	2.439	3.424	4.4	21.2
5 21	14 54.77	−32 14.9	2.439	3.418	5.1	21.2
5 31	14 46.80	−31 34.1	2.468	3.412	7.3	21.4
6 10	14 40.44	−30 48.7	2.521	3.405	9.8	21.5

208583 2002 CR_{94} 5 9.2 83°.11 0°.9/ 9.7 18

4 1	15 36.30	−20 31.6	1.455	2.272	18.2	21.2
4 11	15 31.62	−20 31.2	1.392	2.290	14.3	21.0
4 21	15 23.93	−20 19.4	1.349	2.308	9.7	20.8
5 1	15 14.08	−19 56.7	1.328	2.326	4.7	20.6
5 11	15 3.37	−19 26.1	1.334	2.343	1.1	20.3
5 21	14 53.18	−18 52.3	1.366	2.361	5.9	20.7
5 31	14 44.76	−18 20.9	1.422	2.378	10.6	21.0
6 10	14 38.93	−17 57.2	1.501	2.395	14.6	21.3

192939 2000 AK_{188} 5 9.2 200°.91 5°.9/ 4.0 18

4 1	15 30.16	− 0 15.8	2.512	3.321	11.7	20.6
4 11	15 25.61	+ 0 45.6	2.430	3.317	9.4	20.5
4 21	15 19.35	+ 1 44.2	2.373	3.312	7.3	20.3
5 1	15 11.87	+ 2 35.2	2.342	3.307	6.0	20.2
5 11	15 3.84	+ 3 14.1	2.339	3.301	6.4	20.2
5 21	14 55.97	+ 3 37.8	2.363	3.295	8.1	20.3
5 31	14 48.93	+ 3 44.5	2.413	3.288	10.4	20.5
6 10	14 43.29	+ 3 34.2	2.485	3.280	12.7	20.6

114624 2003 EX_9 5 9.2 9°.39 0°.0/ 9.1 18

4 1	15 27.72	−19 55.3	2.035	2.847	13.9	19.7
4 11	15 24.27	−19 30.4	1.951	2.848	10.9	19.5
4 21	15 18.72	−18 55.6	1.889	2.849	7.3	19.3
5 1	15 11.65	−18 12.8	1.852	2.850	3.4	19.0
5 11	15 3.89	−17 25.3	1.843	2.852	0.7	18.8
5 21	14 56.35	−16 37.2	1.861	2.854	4.8	19.1
5 31	14 49.89	−15 53.3	1.905	2.856	8.6	19.4
6 10	14 45.17	−15 17.7	1.973	2.859	12.0	19.6

64241 2001 TX_{139} 5 9.2 135°.70 2°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.01	−11 50.3	2.153	2.962	13.3	20.1
4 11	15 28.80	−11 24.2	2.079	2.976	10.3	19.9
4 21	15 21.56	−10 54.9	2.029	2.988	6.9	19.7
5 1	15 12.89	−10 25.0	2.005	3.001	3.6	19.5
5 11	15 3.64	− 9 58.0	2.009	3.012	2.7	19.5
5 21	14 54.69	− 9 37.0	2.042	3.023	5.7	19.7
5 31	14 46.85	− 9 24.7	2.102	3.033	9.1	19.9
6 10	14 40.75	− 9 22.8	2.186	3.043	12.1	20.1

405452 2004 TV_{197} 5 9.2 354°.03 2°.2/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.19	−20 52.9	1.327	2.153	19.2	20.7
4 11	15 31.49	−21 27.9	1.250	2.151	15.3	20.4
4 21	15 24.36	−21 53.4	1.190	2.150	10.7	20.1
5 1	15 14.51	−22 7.7	1.153	2.149	5.6	19.8
5 11	15 3.25	−22 10.8	1.141	2.149	2.3	19.6
5 21	14 52.18	−22 5.3	1.153	2.149	6.6	19.9
5 31	14 42.87	−21 56.0	1.188	2.149	11.7	20.1
6 10	14 36.45	−21 48.8	1.245	2.149	16.2	20.4

94358 2001 QE_{219} 5 9.2 137°.92 1°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.46	−15 54.6	1.642	2.461	16.4	20.3
4 11	15 30.64	−15 22.9	1.569	2.471	12.8	20.1
4 21	15 23.15	−14 42.9	1.517	2.480	8.5	19.9
5 1	15 13.72	−13 57.5	1.490	2.489	3.9	19.6
5 11	15 3.47	−13 11.3	1.490	2.497	2.1	19.5
5 21	14 53.60	−12 29.4	1.516	2.505	6.4	19.8
5 31	14 45.21	−11 56.7	1.569	2.512	10.7	20.1
6 10	14 39.11	−11 36.8	1.643	2.519	14.5	20.3

36178 1999 SP_{16} 5 9.2 132°.33 2°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.90	−27 22.6	2.490	3.264	12.7	19.0
4 11	15 25.70	−27 27.4	2.399	3.266	10.3	18.8
4 21	15 19.56	−27 20.9	2.330	3.269	7.5	18.6
5 1	15 12.02	−27 2.6	2.287	3.271	4.6	18.5
5 11	15 3.83	−26 33.5	2.272	3.273	2.7	18.3
5 21	14 55.82	−25 56.4	2.285	3.276	4.3	18.5
5 31	14 48.76	−25 15.0	2.325	3.278	7.2	18.6
6 10	14 43.30	−24 33.7	2.391	3.280	10.0	18.8

222580 2001 WT_{12} 5 9.2 209°.94 4°.7/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.98	− 4 19.8	2.263	3.072	12.8	21.0
4 11	15 28.82	− 3 48.4	2.174	3.066	10.2	20.8
4 21	15 21.65	− 3 18.5	2.108	3.059	7.3	20.6
5 1	15 12.99	− 2 54.1	2.068	3.051	5.1	20.4
5 11	15 3.62	− 2 38.7	2.057	3.043	5.0	20.4
5 21	14 54.37	− 2 35.1	2.074	3.034	7.3	20.5
5 31	14 46.09	− 2 45.1	2.117	3.024	10.3	20.7
6 10	14 39.43	− 3 9.0	2.183	3.014	13.1	20.9

119455 2001 TV_{189} 5 9.2 5°.73 3°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.53	−25 58.7	1.154	1.989	20.9	18.7
4 11	15 26.63	−25 51.3	1.083	1.989	16.8	18.5
4 21	15 21.20	−25 22.4	1.029	1.989	12.0	18.2
5 1	15 13.04	−24 31.6	0.996	1.990	6.7	17.9
5 11	15 3.61	−23 22.7	0.985	1.992	3.0	17.7
5 21	14 54.56	−22 3.4	0.997	1.995	6.8	17.9
5 31	14 47.47	−20 44.3	1.031	1.999	12.1	18.2
6 10	14 43.36	−19 35.5	1.086	2.004	16.9	18.5

342832 2008 XR_{38} 5 9.2 193°.47 0°.5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.79	−16 45.7	2.116	2.925	13.6	21.8
4 11	15 27.36	−16 40.1	2.029	2.924	10.6	21.6
4 21	15 20.78	−16 28.5	1.963	2.923	7.1	21.4
5 1	15 12.62	−16 12.1	1.924	2.923	3.3	21.2
5 11	15 3.71	−15 53.2	1.912	2.921	1.0	21.0
5 21	14 54.96	−15 34.7	1.929	2.920	4.9	21.3
5 31	14 47.26	−15 19.8	1.972	2.919	8.7	21.5
6 10	14 41.32	−15 11.5	2.039	2.917	12.0	21.7

56189 1999 FS_{44} 5 9.2 104°.75 1°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.04	−23 59.7	1.934	2.726	15.3	18.9
4 11	15 29.97	−23 54.3	1.863	2.745	12.1	18.7
4 21	15 22.50	−23 36.7	1.814	2.764	8.4	18.5
5 1	15 13.37	−23 7.2	1.790	2.782	4.5	18.3
5 11	15 3.57	−22 28.1	1.793	2.800	1.8	18.1
5 21	14 54.18	−21 43.5	1.824	2.818	4.8	18.4
5 31	14 46.16	−20 58.5	1.882	2.835	8.6	18.6
6 10	14 40.21	−20 18.2	1.964	2.851	12.0	18.9

370201 2002 EU_{7} 5 9.2 128°.82 4°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.65	−30 37.1	2.386	3.135	13.9	21.9
4 11	15 31.78	−31 5.4	2.306	3.153	11.4	21.7
4 21	15 23.66	−31 20.8	2.247	3.169	8.6	21.6
5 1	15 13.91	−31 21.3	2.215	3.185	5.8	21.4
5 11	15 3.45	−31 6.9	2.210	3.201	4.2	21.3
5 21	14 53.27	−30 39.8	2.233	3.215	5.2	21.4
5 31	14 44.29	−30 3.8	2.285	3.229	7.8	21.6
6 10	14 37.23	−29 24.4	2.362	3.242	10.5	21.8

13653 Priscus 5 9.2 331°.02 5°.3/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.83	−10 11.2	1.059	1.926	20.0	18.1
4 11	15 25.43	− 9 27.1	0.983	1.911	15.8	17.8
4 21	15 20.55	− 8 36.8	0.925	1.897	11.0	17.5
5 1	15 12.85	− 7 46.9	0.886	1.884	6.4	17.2
5 11	15 3.64	− 7 6.0	0.870	1.871	5.9	17.1
5 21	14 54.54	− 6 41.5	0.875	1.860	10.4	17.3
5 31	14 47.19	− 6 39.3	0.900	1.850	15.7	17.6
6 10	14 42.79	− 7 1.0	0.942	1.842	20.6	17.8

35343 1997 GV_{36} 5 9.2 0°.88 0°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.24	−16 53.4	1.900	2.724	14.3	18.7
4 11	15 24.05	−16 34.2	1.819	2.723	11.1	18.5
4 21	15 18.67	−16 7.4	1.758	2.722	7.4	18.2
5 1	15 11.67	−15 35.2	1.723	2.722	3.4	18.0
5 11	15 3.93	−15 1.1	1.714	2.723	1.3	17.8
5 21	14 56.40	−14 28.8	1.732	2.724	5.3	18.1
5 31	14 49.97	−14 2.5	1.776	2.726	9.2	18.3
6 10	14 45.35	−13 45.5	1.842	2.728	12.7	18.6

411706 2011 YS_{69} 5 9.2 93°.96 3°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.16	− 9 13.3	1.567	2.391	16.8	20.9
4 11	15 31.91	− 8 58.2	1.505	2.408	13.1	20.7
4 21	15 23.95	− 8 42.4	1.464	2.425	8.9	20.5
5 1	15 14.07	− 8 29.4	1.447	2.442	4.9	20.3
5 11	15 3.44	− 8 22.8	1.457	2.458	4.0	20.2
5 21	14 53.27	− 8 25.5	1.493	2.474	7.4	20.5
5 31	14 44.69	− 8 39.7	1.554	2.490	11.4	20.7
6 10	14 38.45	− 9 5.8	1.638	2.505	15.0	21.0

299837 2006 SX_{199} 5 9.2 256°.31 0°.5/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.97	−19 59.1	2.229	3.032	13.1	21.7
4 11	15 25.90	−19 52.6	2.138	3.029	10.3	21.5
4 21	15 19.79	−19 37.9	2.069	3.026	7.0	21.3
5 1	15 12.17	−19 16.0	2.026	3.023	3.4	21.1
5 11	15 3.84	−18 48.9	2.010	3.020	0.7	20.8
5 21	14 55.64	−18 19.5	2.023	3.016	4.5	21.1
5 31	14 48.43	−17 51.6	2.062	3.013	8.1	21.3
6 10	14 42.89	−17 28.9	2.126	3.010	11.3	21.5

331771 2003 CY_{21} 5 9.2 89°.00 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.78	−19 31.3	1.799	2.608	15.5	20.7
4 11	15 28.97	−18 55.3	1.736	2.632	12.1	20.5
4 21	15 21.80	−18 8.9	1.695	2.655	8.0	20.3
5 1	15 13.02	−17 14.5	1.679	2.678	3.6	20.1
5 11	15 3.68	−16 16.7	1.691	2.700	1.0	19.9
5 21	14 54.83	−15 20.6	1.730	2.722	5.3	20.3
5 31	14 47.40	−14 31.5	1.796	2.743	9.3	20.6
6 10	14 42.04	−13 53.4	1.885	2.765	12.7	20.8

370905 2005 GD_{73} 5 9.2 325°.53 5°.8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.94	− 6 39.3	1.214	2.071	18.7	19.9
4 11	15 26.80	− 6 15.2	1.127	2.048	15.0	19.5
4 21	15 21.38	− 5 51.6	1.059	2.026	10.7	19.2
5 1	15 13.25	− 5 34.7	1.011	2.005	6.8	18.9
5 11	15 3.57	− 5 30.9	0.986	1.985	6.3	18.8
5 21	14 53.80	− 5 45.0	0.984	1.966	10.2	19.0
5 31	14 45.53	− 6 19.9	1.003	1.948	15.1	19.2
6 10	14 39.98	− 7 15.3	1.040	1.931	19.8	19.4

133223 2003 QY_{87} 5 9.2 267°.66 2°.3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.89	−14 17.9	1.637	2.463	16.1	20.6
4 11	15 29.07	−13 46.9	1.538	2.444	12.7	20.3
4 21	15 22.45	−13 8.0	1.460	2.425	8.6	20.0
5 1	15 13.59	−12 24.0	1.406	2.405	4.2	19.7
5 11	15 3.51	−11 39.5	1.378	2.384	2.8	19.6
5 21	14 53.42	−10 59.9	1.377	2.364	7.1	19.8
5 31	14 44.57	−10 30.6	1.400	2.343	11.8	20.0
6 10	14 37.95	−10 15.6	1.445	2.322	16.1	20.2

501290 2013 WB_{56} 5 9.2 184°.54 2°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.11	−25 52.5	2.268	3.049	13.6	21.7
4 11	15 27.55	−25 35.4	2.175	3.049	10.9	21.5
4 21	15 20.88	−25 5.4	2.104	3.049	7.7	21.3
5 1	15 12.66	−24 22.7	2.058	3.048	4.3	21.1
5 11	15 3.74	−23 29.6	2.041	3.047	2.0	20.9
5 21	14 55.04	−22 29.9	2.052	3.046	4.4	21.1
5 31	14 47.41	−21 28.7	2.091	3.044	7.9	21.3
6 10	14 41.55	−20 31.3	2.155	3.041	11.1	21.5

413333 2003 WN_{113} 5 9.2 127°.31 2°.5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.87	−25 57.8	1.777	2.569	16.4	21.8
4 11	15 30.21	−25 50.3	1.699	2.579	13.1	21.6
4 21	15 22.89	−25 27.8	1.642	2.589	9.3	21.4
5 1	15 13.63	−24 50.0	1.609	2.599	5.2	21.1
5 11	15 3.55	−23 59.4	1.602	2.608	2.5	21.0
5 21	14 53.84	−23 0.7	1.623	2.617	5.3	21.2
5 31	14 45.60	−22 0.3	1.670	2.625	9.3	21.4
6 10	14 39.62	−21 4.9	1.741	2.633	13.0	21.7

140116 2001 SX_{137} 5 9.2 190°.94 0°.1/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.81	−19 28.6	2.002	2.807	14.4	20.7
4 11	15 28.32	−19 12.8	1.913	2.806	11.3	20.4
4 21	15 21.51	−18 47.6	1.847	2.805	7.6	20.2
5 1	15 13.00	−18 14.5	1.805	2.803	3.6	20.0
5 11	15 3.68	−17 36.1	1.792	2.801	0.7	19.7
5 21	14 54.55	−16 56.3	1.806	2.799	5.0	20.0
5 31	14 46.57	−16 19.7	1.847	2.796	9.0	20.3
6 10	14 40.50	−15 50.4	1.912	2.793	12.5	20.5

471104 2010 BT_{40} 5 9.2 266°.98 8°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.10	+ 6 14.7	2.195	3.000	13.3	21.3
4 11	15 26.69	+ 7 9.2	2.113	2.986	11.2	21.1
4 21	15 20.29	+ 7 55.6	2.052	2.972	9.4	20.9
5 1	15 12.40	+ 8 27.9	2.017	2.958	8.4	20.9
5 11	15 3.81	+ 8 41.3	2.006	2.944	8.8	20.9
5 21	14 55.34	+ 8 32.9	2.022	2.930	10.5	20.9
5 31	14 47.82	+ 8 2.1	2.060	2.916	12.8	21.0
6 10	14 41.90	+ 7 10.6	2.120	2.901	15.0	21.2

221826 2008 EE_{73} 5 9.2 340°.79 0°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.58	−16 40.5	1.287	2.133	18.5	19.9
4 11	15 26.31	−16 40.1	1.206	2.123	14.6	19.7
4 21	15 20.88	−16 31.1	1.144	2.113	9.9	19.4
5 1	15 12.93	−16 15.3	1.104	2.104	4.6	19.0
5 11	15 3.68	−15 56.1	1.087	2.097	1.4	18.8
5 21	14 54.56	−15 37.9	1.094	2.090	6.9	19.1
5 31	14 47.01	−15 25.9	1.124	2.084	12.2	19.4
6 10	14 42.11	−15 24.5	1.174	2.080	16.8	19.6

469418 2001 XJ_{244} 5 9.2 142°.99 2°.3/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.31	−28 22.7	2.698	3.463	12.1	21.7
4 11	15 25.77	−28 1.7	2.609	3.471	9.7	21.5
4 21	15 19.47	−27 28.2	2.543	3.479	7.0	21.4
5 1	15 11.95	−26 42.5	2.503	3.487	4.2	21.2
5 11	15 3.94	−25 46.6	2.491	3.494	2.3	21.1
5 21	14 56.16	−24 43.9	2.509	3.501	3.9	21.2
5 31	14 49.33	−23 38.9	2.556	3.507	6.7	21.4
6 10	14 43.99	−22 36.3	2.628	3.514	9.4	21.5

345566 2006 RL_{81} 5 9.2 137°.49 4°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.13	− 5 12.3	2.807	3.618	10.5	21.7
4 11	15 23.79	− 4 9.6	2.736	3.630	8.3	21.6
4 21	15 18.00	− 3 7.1	2.690	3.641	6.0	21.4
5 1	15 11.25	− 2 8.7	2.672	3.652	4.3	21.3
5 11	15 4.10	− 1 18.2	2.683	3.662	4.5	21.4
5 21	14 57.17	− 0 38.7	2.723	3.672	6.4	21.5
5 31	14 51.01	− 0 12.3	2.789	3.682	8.6	21.6
6 10	14 46.09	+ 0 0.2	2.879	3.691	10.7	21.8

248642 2006 GG_{40} 5 9.2 13°.99 4°.5/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.96	−25 47.5	1.230	2.053	20.5	19.5
4 11	15 30.07	−26 29.5	1.158	2.055	16.7	19.3
4 21	15 23.56	−26 56.2	1.105	2.057	12.2	19.0
5 1	15 14.21	−27 4.1	1.072	2.061	7.4	18.8
5 11	15 3.44	−26 53.1	1.061	2.065	4.5	18.6
5 21	14 52.96	−26 26.3	1.075	2.069	7.2	18.8
5 31	14 44.43	−25 50.8	1.110	2.074	11.9	19.0
6 10	14 38.99	−25 15.1	1.167	2.080	16.3	19.3

474003 2016 FU_{35} 5 9.2 15°.14 1°.9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.13	−21 47.4	1.252	2.088	19.5	21.2
4 11	15 27.53	−22 0.4	1.183	2.091	15.5	20.9
4 21	15 21.64	−22 0.0	1.133	2.096	10.7	20.7
5 1	15 13.24	−21 46.0	1.104	2.101	5.5	20.4
5 11	15 3.66	−21 20.8	1.098	2.107	1.9	20.2
5 21	14 54.44	−20 49.1	1.117	2.114	6.4	20.5
5 31	14 47.02	−20 17.4	1.158	2.122	11.5	20.8
6 10	14 42.38	−19 52.2	1.219	2.131	15.9	21.0

346244 2008 CX_{77} 5 9.2 91°.64 6°.5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.95	+ 2 1.1	2.494	3.303	11.7	21.0
4 11	15 24.49	+ 3 14.0	2.444	3.327	9.5	20.9
4 21	15 18.48	+ 4 21.4	2.418	3.350	7.6	20.8
5 1	15 11.45	+ 5 18.1	2.419	3.372	6.5	20.8
5 11	15 4.07	+ 6 0.1	2.447	3.395	6.9	20.8
5 21	14 57.00	+ 6 24.7	2.501	3.417	8.5	20.9
5 31	14 50.84	+ 6 31.0	2.580	3.438	10.4	21.1
6 10	14 46.07	+ 6 20.0	2.681	3.460	12.3	21.3

122460 2000 QB_{146} 5 9.2 322°.53 4°.0/ 3.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.01	+ 0 29.6	4.107	4.915	7.5	19.1
4 11	15 17.98	+ 1 16.9	4.026	4.911	6.1	19.0
4 21	15 14.01	+ 2 1.8	3.971	4.907	4.8	18.9
5 1	15 9.40	+ 2 41.5	3.943	4.902	4.0	18.8
5 11	15 4.50	+ 3 13.7	3.943	4.898	4.3	18.8
5 21	14 59.68	+ 3 36.7	3.971	4.894	5.4	18.9
5 31	14 55.30	+ 3 49.4	4.025	4.890	6.8	19.0
6 10	14 51.67	+ 3 51.3	4.103	4.887	8.3	19.1

521452 2015 ON_{78} 5 9.2 332°.54 5°.4/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.72	− 2 32.7	1.975	2.796	13.9	20.4
4 11	15 27.37	− 2 16.0	1.893	2.790	11.2	20.2
4 21	15 20.84	− 2 3.7	1.833	2.784	8.2	20.0
5 1	15 12.70	− 1 59.8	1.797	2.779	5.8	19.9
5 11	15 3.78	− 2 7.7	1.789	2.774	5.7	19.8
5 21	14 55.02	− 2 29.6	1.807	2.769	8.0	20.0
5 31	14 47.33	− 3 6.1	1.850	2.765	11.1	20.1
6 10	14 41.42	− 3 56.4	1.916	2.761	14.1	20.3

299798 2006 SD_{99} 5 9.2 265°.08 0°.9/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.12	−16 46.9	2.354	3.162	12.4	21.9
4 11	15 25.19	−16 18.3	2.250	3.145	9.7	21.7
4 21	15 19.32	−15 42.3	2.168	3.128	6.5	21.5
5 1	15 12.00	−15 0.8	2.112	3.111	3.0	21.2
5 11	15 3.93	−14 17.0	2.085	3.094	1.3	21.0
5 21	14 55.91	−13 34.5	2.087	3.076	4.9	21.2
5 31	14 48.75	−12 57.2	2.115	3.058	8.4	21.4
6 10	14 43.11	−12 28.5	2.168	3.040	11.6	21.6

355162 2006 VC_{103} 5 9.2 153°.90 2°.6/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.83	−27 53.1	2.575	3.345	12.4	21.3
4 11	15 25.57	−27 46.9	2.483	3.348	10.1	21.1
4 21	15 19.45	−27 28.8	2.414	3.352	7.3	21.0
5 1	15 11.99	−26 58.6	2.371	3.354	4.4	20.8
5 11	15 3.94	−26 17.8	2.355	3.357	2.6	20.7
5 21	14 56.08	−25 29.3	2.368	3.360	4.1	20.8
5 31	14 49.17	−24 37.3	2.409	3.362	7.0	21.0
6 10	14 43.80	−23 46.3	2.476	3.364	9.8	21.1

302316 2002 AF_{47} 5 9.2 138°.24 3°.2/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.12	−29 1.2	2.430	3.199	13.1	20.6
4 11	15 25.96	−29 2.8	2.339	3.201	10.7	20.4
4 21	15 19.79	−28 51.5	2.269	3.203	7.9	20.3
5 1	15 12.18	−28 26.8	2.225	3.206	5.0	20.1
5 11	15 3.90	−27 49.9	2.209	3.208	3.2	20.0
5 21	14 55.81	−27 3.5	2.220	3.210	4.5	20.1
5 31	14 48.74	−26 12.1	2.259	3.212	7.4	20.2
6 10	14 43.31	−25 20.6	2.323	3.213	10.2	20.4

89583 2001 XO_{134} 5 9.2 6°.45 0°.7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.00	−16 50.0	2.071	2.886	13.6	19.9
4 11	15 25.24	−16 36.2	1.987	2.886	10.6	19.7
4 21	15 19.39	−16 15.8	1.925	2.887	7.1	19.4
5 1	15 12.01	−15 50.5	1.888	2.887	3.2	19.2
5 11	15 3.94	−15 23.1	1.879	2.888	1.1	19.0
5 21	14 56.04	−14 56.9	1.898	2.889	5.0	19.3
5 31	14 49.20	−14 35.5	1.942	2.891	8.7	19.5
6 10	14 44.06	−14 21.8	2.011	2.892	12.0	19.7

179631 2002 PP_{74} 5 9.2 254°.85 3°.7/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.43	−11 22.3	1.772	2.599	15.0	21.1
4 11	15 27.56	−10 28.6	1.679	2.585	11.8	20.8
4 21	15 21.21	− 9 28.5	1.607	2.570	8.1	20.5
5 1	15 12.95	− 8 26.3	1.561	2.556	4.6	20.3
5 11	15 3.72	− 7 28.0	1.541	2.541	4.2	20.2
5 21	14 54.59	− 6 39.3	1.548	2.526	7.6	20.4
5 31	14 46.61	− 6 5.2	1.580	2.510	11.7	20.6
6 10	14 40.64	− 5 48.5	1.634	2.494	15.4	20.8

247874 2003 UJ_{145} 5 9.2 241°.39 0°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.50	−16 57.0	1.908	2.717	14.8	21.6
4 11	15 29.92	−16 38.2	1.806	2.702	11.7	21.4
4 21	15 22.81	−16 11.2	1.725	2.686	7.9	21.1
5 1	15 13.71	−15 37.6	1.670	2.669	3.6	20.8
5 11	15 3.56	−15 0.4	1.642	2.651	1.3	20.6
5 21	14 53.42	−14 23.7	1.642	2.633	5.7	20.8
5 31	14 44.40	−13 52.2	1.669	2.614	10.1	21.0
6 10	14 37.39	−13 30.0	1.719	2.595	14.0	21.2

196871 2003 SY_{289} 5 9.3 167°.47 1°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.48	−13 7.1	2.199	3.011	13.0	20.7
4 11	15 26.96	−12 45.7	2.115	3.013	10.1	20.5
4 21	15 20.45	−12 20.2	2.054	3.015	6.8	20.3
5 1	15 12.48	−11 53.0	2.020	3.017	3.3	20.1
5 11	15 3.86	−11 27.2	2.013	3.019	2.2	20.0
5 21	14 55.43	−11 5.9	2.035	3.020	5.4	20.2
5 31	14 48.01	−10 52.0	2.084	3.021	8.9	20.4
6 10	14 42.25	−10 47.6	2.157	3.022	11.9	20.6

403326 2009 DU_{25} 5 9.3 166°.28 1°.5/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.42	−15 23.3	1.794	2.608	15.4	22.3
4 11	15 30.50	−14 57.3	1.714	2.612	12.0	22.1
4 21	15 23.05	−14 24.1	1.655	2.617	8.1	21.8
5 1	15 13.74	−13 46.3	1.621	2.620	3.8	21.6
5 11	15 3.60	−13 7.7	1.615	2.623	2.0	21.5
5 21	14 53.73	−12 32.6	1.637	2.625	6.1	21.7
5 31	14 45.19	−12 5.6	1.684	2.626	10.2	22.0
6 10	14 38.77	−11 49.9	1.755	2.627	13.9	22.2

497563 2006 DM_{143} 5 9.3 128.°88 2.°7/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.82	−12 6.1	2.016	2.836	13.7	21.9
4 11	15 26.56	−11 25.8	1.940	2.842	10.7	21.7
4 21	15 20.21	−10 41.0	1.886	2.848	7.2	21.5
5 1	15 12.37	− 9 55.4	1.858	2.854	3.8	21.3
5 11	15 3.90	− 9 13.0	1.858	2.860	3.1	21.2
5 21	14 55.68	− 8 38.2	1.885	2.866	6.2	21.4
5 31	14 48.58	− 8 14.1	1.939	2.871	9.7	21.7
6 10	14 43.23	− 8 3.1	2.015	2.876	12.8	21.9

509342 2006 YS_{18} 5 9.3 158.°97 5.°9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.93	+ 4 36.1	3.076	3.870	10.1	22.9
4 11	15 24.29	+ 5 22.8	3.007	3.877	8.3	22.8
4 21	15 18.31	+ 6 3.6	2.962	3.883	6.8	22.7
5 1	15 11.40	+ 6 35.0	2.944	3.888	6.0	22.7
5 11	15 4.11	+ 6 53.8	2.954	3.893	6.3	22.7
5 21	14 57.00	+ 6 58.2	2.991	3.898	7.5	22.8
5 31	14 50.60	+ 6 47.7	3.053	3.902	9.2	22.9
6 10	14 45.34	+ 6 22.9	3.139	3.906	10.9	23.0

389683 2011 QY_{20} 5 9.3 261.°47 3.°9/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.78	−29 19.4	2.244	3.015	14.1	21.6
4 11	15 27.57	−29 40.7	2.148	3.010	11.6	21.4
4 21	15 21.08	−29 49.2	2.073	3.005	8.7	21.2
5 1	15 12.87	−29 43.5	2.022	2.999	5.7	21.0
5 11	15 3.79	−29 23.7	1.998	2.994	3.9	20.8
5 21	14 54.81	−28 51.8	2.002	2.989	5.2	20.9
5 31	14 46.90	−28 12.0	2.032	2.984	8.1	21.1
6 10	14 40.82	−27 29.6	2.087	2.978	11.2	21.3

231261 2005 YM_{229} 5 9.3 123.°32 10.°0/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.93	+11 18.0	2.066	2.856	14.5	19.8
4 11	15 28.82	+12 11.1	2.007	2.861	12.5	19.6
4 21	15 21.63	+12 50.9	1.968	2.866	10.9	19.5
5 1	15 13.00	+13 11.0	1.953	2.871	10.1	19.5
5 11	15 3.80	+13 7.0	1.963	2.876	10.4	19.5
5 21	14 54.93	+12 37.6	1.997	2.881	11.8	19.6
5 31	14 47.22	+11 43.7	2.054	2.885	13.7	19.8
6 10	14 41.29	+10 28.9	2.131	2.889	15.6	19.9

415026 2011 QT_{85} 5 9.3 267.°27 0.°7/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.47	−14 31.6	4.403	5.201	7.2	21.0
4 11	15 19.08	−14 20.1	4.306	5.197	5.5	20.9
4 21	15 14.75	−14 6.3	4.235	5.194	3.7	20.8
5 1	15 9.77	−13 51.1	4.192	5.190	1.7	20.6
5 11	15 4.49	−13 35.9	4.179	5.186	0.9	20.5
5 21	14 59.28	−13 22.0	4.195	5.182	2.8	20.7
5 31	14 54.48	−13 10.9	4.241	5.178	4.7	20.8
6 10	14 50.43	−13 3.6	4.313	5.174	6.5	20.9

73890 1997 EK_{16} 5 9.3 171.°43 0.°7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.31	−17 37.4	2.070	2.873	14.0	20.6
4 11	15 29.33	−17 11.4	1.984	2.877	10.9	20.4
4 21	15 22.12	−16 37.1	1.921	2.880	7.3	20.1
5 1	15 13.30	−15 56.5	1.884	2.883	3.3	19.9
5 11	15 3.75	−15 13.0	1.876	2.885	1.2	19.7
5 21	14 54.43	−14 30.5	1.896	2.886	5.1	20.0
5 31	14 46.27	−13 53.5	1.943	2.886	9.0	20.2
6 10	14 39.97	−13 25.6	2.014	2.886	12.4	20.5

258991 2002 TP_{48} 5 9.3 230.°05 0.°8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.96	−20 33.2	2.062	2.858	14.3	21.7
4 11	15 30.14	−20 32.7	1.960	2.847	11.4	21.4
4 21	15 22.89	−20 23.4	1.880	2.834	7.8	21.2
5 1	15 13.76	−20 5.3	1.825	2.821	3.8	20.9
5 11	15 3.63	−19 40.1	1.798	2.808	1.0	20.7
5 21	14 53.55	−19 10.7	1.800	2.793	4.9	20.9
5 31	14 44.54	−18 41.3	1.828	2.778	9.0	21.1
6 10	14 37.46	−18 16.4	1.881	2.763	12.7	21.3

37514 1118 T_{-3} 5 9.3 147.°30 3.°4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.52	−29 52.5	2.572	3.334	12.7	19.9
4 11	15 26.19	−29 58.5	2.481	3.337	10.4	19.8
4 21	15 19.92	−29 52.0	2.411	3.341	7.7	19.6
5 1	15 12.26	−29 32.4	2.367	3.344	5.1	19.4
5 11	15 3.97	−29 0.4	2.350	3.347	3.4	19.3
5 21	14 55.86	−28 18.6	2.362	3.350	4.5	19.4
5 31	14 48.71	−27 30.8	2.401	3.352	7.1	19.6
6 10	14 43.15	−26 42.0	2.466	3.355	9.8	19.7

216254 2006 VE_{126} 5 9.3 119.°92 0.°1/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.09	−19 41.0	2.519	3.317	11.9	21.0
4 11	15 24.85	−19 8.8	2.438	3.327	9.3	20.9
4 21	15 18.89	−18 28.4	2.380	3.337	6.2	20.7
5 1	15 11.74	−17 41.6	2.349	3.347	2.9	20.5
5 11	15 4.10	−16 51.5	2.347	3.357	0.7	20.3
5 21	14 56.70	−16 1.5	2.374	3.366	4.1	20.6
5 31	14 50.21	−15 15.5	2.429	3.375	7.3	20.8
6 10	14 45.18	−14 36.9	2.510	3.384	10.2	21.0

98264 2000 SO_{187} 5 9.3 109.°60 2.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.73	−24 11.0	1.598	2.399	17.5	19.9
4 11	15 31.99	−24 25.5	1.524	2.411	14.0	19.7
4 21	15 24.29	−24 26.8	1.471	2.422	9.9	19.5
5 1	15 14.40	−24 13.9	1.441	2.433	5.5	19.3
5 11	15 3.53	−23 48.2	1.437	2.443	2.6	19.1
5 21	14 53.03	−23 13.5	1.459	2.453	5.7	19.3
5 31	14 44.16	−22 35.7	1.507	2.463	10.0	19.6
6 10	14 37.81	−22 1.1	1.578	2.473	13.9	19.9

106167 2000 TS_{66} 5 9.3 104.°97 1.°0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.22	−14 58.6	2.476	3.282	11.9	19.8
4 11	15 25.72	−14 45.3	2.399	3.294	9.2	19.6
4 21	15 19.48	−14 27.7	2.345	3.305	6.1	19.4
5 1	15 12.02	−14 7.5	2.318	3.316	2.8	19.2
5 11	15 4.04	−13 46.9	2.319	3.327	1.4	19.1
5 21	14 56.28	−13 28.6	2.349	3.338	4.5	19.4
5 31	14 49.44	−13 15.2	2.407	3.349	7.6	19.6
6 10	14 44.07	−13 8.6	2.490	3.359	10.4	19.8

73590 1258 T_{-2} 5 9.3 60.°41 4.°3/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.97	−26 31.6	1.505	2.305	18.5	19.0
4 11	15 31.79	−27 12.1	1.429	2.312	15.0	18.7
4 21	15 24.41	−27 38.6	1.373	2.318	11.0	18.5
5 1	15 14.55	−27 48.3	1.339	2.324	6.8	18.3
5 11	15 3.49	−27 40.6	1.330	2.331	4.3	18.1
5 21	14 52.71	−27 18.2	1.346	2.338	6.5	18.3
5 31	14 43.63	−26 46.9	1.387	2.344	10.6	18.5
6 10	14 37.27	−26 13.9	1.450	2.351	14.5	18.8

474832 2005 SQ_{59} 5 9.3 317.°39 5.°5/ 4.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.10	− 8 42.9	1.899	2.736	13.8	20.9
4 11	15 22.45	− 6 55.6	1.805	2.716	10.9	20.6
4 21	15 17.68	− 5 0.3	1.735	2.696	7.8	20.4
5 1	15 11.32	− 3 4.1	1.692	2.677	5.7	20.2
5 11	15 4.18	− 1 15.3	1.675	2.658	6.3	20.2
5 21	14 57.12	+ 0 18.0	1.685	2.640	9.1	20.4
5 31	14 51.06	+ 1 29.8	1.720	2.622	12.5	20.5
6 10	14 46.70	+ 2 17.3	1.775	2.605	15.6	20.7

121208 1999 PZ_{4} 5 9.3 302.°26 0.°1/ 9.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.07	−19 11.4	1.700	2.521	15.8	20.1
4 11	15 27.03	−18 54.1	1.586	2.488	12.6	19.8
4 21	15 21.24	−18 25.5	1.493	2.455	8.7	19.5
5 1	15 13.18	−17 46.3	1.423	2.422	4.1	19.2
5 11	15 3.75	−16 59.6	1.379	2.388	0.9	18.8
5 21	14 54.13	−16 10.0	1.361	2.355	6.1	19.1
5 31	14 45.59	−15 23.8	1.368	2.322	11.1	19.3
6 10	14 39.19	−14 47.0	1.397	2.289	15.6	19.5

435702 2008 TY_{149} 5 9.3 218.°29 1.°3/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.31	−21 15.1	2.035	2.834	14.4	21.6
4 11	15 28.81	−21 25.8	1.944	2.831	11.4	21.4
4 21	15 21.95	−21 27.9	1.874	2.828	7.9	21.2
5 1	15 13.30	−21 21.2	1.829	2.824	4.0	20.9
5 11	15 3.76	−21 6.9	1.812	2.821	1.4	20.7
5 21	14 54.35	−20 47.7	1.823	2.817	4.8	21.0
5 31	14 46.06	−20 27.2	1.860	2.813	8.7	21.2
6 10	14 39.69	−20 9.7	1.922	2.809	12.2	21.4

12842 1997 GQ_{23} 5 9.3 292.°59 1.°2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.78	−21 50.2	1.915	2.721	14.9	18.2
4 11	15 27.00	−21 47.2	1.823	2.714	11.8	18.0
4 21	15 20.81	−21 33.6	1.752	2.708	8.2	17.8
5 1	15 12.79	−21 9.8	1.706	2.701	4.1	17.5
5 11	15 3.87	−20 37.9	1.686	2.695	1.3	17.3
5 21	14 55.08	−20 1.3	1.694	2.689	5.0	17.5
5 31	14 47.45	−19 24.8	1.728	2.683	9.1	17.7
6 10	14 41.78	−18 53.3	1.785	2.677	12.7	17.9

349300 2007 TQ_{448} 5 9.3 191.°40 1.°4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.55	−13 40.8	2.288	3.097	12.6	21.4
4 11	15 27.01	−13 31.3	2.200	3.096	9.8	21.2
4 21	15 20.50	−13 18.2	2.135	3.095	6.6	21.0
5 1	15 12.56	−13 3.0	2.097	3.094	3.1	20.8
5 11	15 3.94	−12 48.4	2.086	3.093	1.8	20.7
5 21	14 55.46	−12 36.7	2.104	3.092	5.0	20.9
5 31	14 47.94	−12 30.7	2.150	3.090	8.4	21.1
6 10	14 42.02	−12 32.3	2.220	3.088	11.5	21.3

374316 2005 SU_{259} 5 9.3 226.°62 3.°9/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.90	− 7 44.8	2.256	3.067	12.7	22.4
4 11	15 28.12	− 7 3.8	2.159	3.055	10.0	22.1
4 21	15 21.30	− 6 21.1	2.086	3.042	7.0	21.9
5 1	15 12.96	− 5 40.4	2.039	3.028	4.5	21.7
5 11	15 3.85	− 5 5.7	2.021	3.014	4.3	21.7
5 21	14 54.82	− 4 40.8	2.031	2.999	6.9	21.8
5 31	14 46.71	− 4 28.4	2.068	2.983	10.1	22.0
6 10	14 40.22	− 4 30.1	2.128	2.967	13.1	22.2

304695 2006 WU_{169} 5 9.3 118°.23 1°.9/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.56	−11 59.0	2.443	3.252	11.9	20.7
4 11	15 26.03	−11 47.9	2.362	3.258	9.3	20.5
4 21	15 19.73	−11 34.5	2.304	3.264	6.2	20.4
5 1	15 12.16	−11 20.7	2.273	3.270	3.1	20.2
5 11	15 4.03	−11 8.8	2.271	3.275	2.2	20.1
5 21	14 56.08	−11 1.2	2.297	3.281	4.9	20.3
5 31	14 49.04	−10 59.8	2.350	3.286	8.1	20.5
6 10	14 43.46	−11 6.2	2.429	3.291	10.9	20.7

163952 2003 UN_{28} 5 9.3 235°.03 0°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.90	−18 0.6	2.152	2.957	13.5	20.6
4 11	15 27.54	−17 56.8	2.058	2.951	10.6	20.4
4 21	15 21.00	−17 46.1	1.986	2.944	7.2	20.2
5 1	15 12.85	−17 29.6	1.940	2.938	3.3	19.9
5 11	15 3.88	−17 9.3	1.922	2.931	0.7	19.7
5 21	14 55.02	−16 48.0	1.932	2.924	4.8	20.0
5 31	14 47.17	−16 29.2	1.969	2.917	8.6	20.2
6 10	14 41.06	−16 16.1	2.030	2.910	12.0	20.4

172458 2003 RF_{4} 5 9.3 249°.02 2°.9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.94	−11 58.7	1.683	2.507	15.8	20.5
4 11	15 29.72	−11 32.3	1.591	2.495	12.4	20.2
4 21	15 22.81	−11 1.0	1.520	2.483	8.5	20.0
5 1	15 13.79	−10 28.2	1.474	2.471	4.4	19.7
5 11	15 3.68	− 9 58.2	1.454	2.458	3.3	19.6
5 21	14 53.64	− 9 35.4	1.461	2.445	7.2	19.8
5 31	14 44.86	− 9 23.9	1.492	2.431	11.5	20.0
6 10	14 38.26	− 9 26.2	1.546	2.417	15.5	20.2

381576 2008 UK_{154} 5 9.3 326°.15 0°.0/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.21	−18 24.9	1.849	2.664	15.0	21.3
4 11	15 27.32	−18 19.4	1.763	2.662	11.8	21.1
4 21	15 21.01	−18 5.8	1.699	2.659	8.0	20.8
5 1	15 12.88	−17 45.2	1.659	2.657	3.7	20.6
5 11	15 3.88	−17 20.1	1.646	2.655	0.8	20.3
5 21	14 55.05	−16 54.0	1.660	2.653	5.2	20.7
5 31	14 47.42	−16 31.1	1.699	2.652	9.4	20.9
6 10	14 41.78	−16 15.3	1.762	2.650	13.1	21.1

490209 2008 UE_{361} 5 9.3 186°.54 3°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.74	−29 24.0	2.519	3.278	13.0	22.2
4 11	15 28.77	−29 34.9	2.422	3.277	10.6	22.1
4 21	15 21.73	−29 33.6	2.348	3.277	7.9	21.9
5 1	15 13.15	−29 18.8	2.298	3.275	5.1	21.7
5 11	15 3.83	−28 51.2	2.277	3.273	3.4	21.6
5 21	14 54.66	−28 13.0	2.284	3.271	4.7	21.7
5 31	14 46.49	−27 28.2	2.319	3.268	7.4	21.8
6 10	14 40.01	−26 41.8	2.380	3.265	10.2	22.0

417924 2007 RG_{236} 5 9.3 258°.81 2°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.93	−22 26.4	1.646	2.451	17.0	21.7
4 11	15 31.72	−22 41.5	1.544	2.434	13.7	21.5
4 21	15 24.44	−22 45.8	1.463	2.417	9.6	21.2
5 1	15 14.67	−22 38.0	1.405	2.399	5.1	20.9
5 11	15 3.47	−22 18.6	1.373	2.381	2.1	20.6
5 21	14 52.20	−21 50.5	1.368	2.362	6.0	20.8
5 31	14 42.25	−21 19.0	1.388	2.344	10.8	21.0
6 10	14 34.75	−20 50.3	1.430	2.324	15.2	21.2

498689 2008 SL_{273} 5 9.3 204°.86 0°.3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	−17 17.4	2.178	2.983	13.3	21.7
4 11	15 27.64	−17 11.1	2.087	2.980	10.4	21.5
4 21	15 21.03	−16 58.5	2.019	2.978	7.0	21.3
5 1	15 12.84	−16 40.7	1.977	2.975	3.2	21.1
5 11	15 3.90	−16 19.8	1.962	2.972	0.9	20.9
5 21	14 55.10	−15 58.9	1.976	2.968	4.8	21.2
5 31	14 47.32	−15 41.2	2.018	2.965	8.5	21.4
6 10	14 41.25	−15 29.7	2.083	2.961	11.8	21.6

80514 2000 AV_{58} 5 9.3 209°.65 1°.2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.98	−21 58.8	2.075	2.867	14.3	20.4
4 11	15 30.10	−21 55.3	1.978	2.861	11.4	20.2
4 21	15 22.82	−21 41.7	1.902	2.855	7.9	19.9
5 1	15 13.73	−21 17.9	1.853	2.847	4.0	19.7
5 11	15 3.73	−20 45.9	1.830	2.839	1.3	19.5
5 21	14 53.84	−20 8.8	1.837	2.831	4.8	19.7
5 31	14 45.07	−19 31.1	1.870	2.821	8.8	19.9
6 10	14 38.23	−18 57.8	1.929	2.811	12.4	20.1

485974 2012 JR 5 9.3 310°.22 15°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 47.56	+13 37.7	1.075	1.884	23.8	20.2
4 11	15 41.69	+14 0.9	1.009	1.878	20.9	20.0
4 21	15 31.55	+13 56.2	0.958	1.872	18.0	19.8
5 1	15 18.02	+13 10.6	0.926	1.867	15.8	19.7
5 11	15 2.84	+11 36.6	0.915	1.861	15.5	19.6
5 21	14 48.06	+ 9 15.3	0.925	1.856	17.4	19.7
5 31	14 35.64	+ 6 16.1	0.957	1.851	20.7	19.9
6 10	14 26.86	+ 2 53.1	1.008	1.847	24.2	20.1

476342 2008 AT_{83} 5 9.3 135°.69 6°.2/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.44	+ 1 3.5	2.338	3.149	12.4	21.5
4 11	15 25.95	+ 1 43.9	2.266	3.152	10.0	21.3
4 21	15 19.68	+ 2 19.0	2.217	3.155	7.8	21.2
5 1	15 12.15	+ 2 44.5	2.193	3.158	6.3	21.1
5 11	15 4.09	+ 2 56.5	2.197	3.161	6.5	21.1
5 21	14 56.24	+ 2 52.8	2.227	3.164	8.3	21.2
5 31	14 49.31	+ 2 32.7	2.283	3.166	10.6	21.4
6 10	14 43.88	+ 1 57.0	2.361	3.169	12.9	21.5

94900 2001 YF_{14} 5 9.3 285°.07 4°.7/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.65	−28 10.1	1.441	2.243	19.1	19.6
4 11	15 31.09	−28 38.1	1.357	2.239	15.7	19.4
4 21	15 24.16	−28 49.3	1.292	2.235	11.7	19.1
5 1	15 14.55	−28 40.5	1.248	2.232	7.4	18.9
5 11	15 3.56	−28 11.5	1.227	2.228	4.7	18.7
5 21	14 52.74	−27 25.8	1.232	2.225	6.9	18.8
5 31	14 43.64	−26 30.6	1.261	2.221	11.2	19.0
6 10	14 37.37	−25 34.9	1.312	2.218	15.4	19.3

437456 2013 YY_{15} 5 9.3 204°.04 2°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.81	−11 15.6	2.329	3.141	12.4	21.8
4 11	15 26.39	−10 43.5	2.239	3.137	9.6	21.6
4 21	15 20.07	−10 8.1	2.173	3.134	6.5	21.4
5 1	15 12.38	− 9 32.2	2.134	3.129	3.5	21.2
5 11	15 4.04	− 8 59.3	2.123	3.125	2.9	21.1
5 21	14 55.84	− 8 32.7	2.141	3.120	5.7	21.3
5 31	14 48.56	− 8 15.3	2.185	3.114	8.9	21.5
6 10	14 42.82	− 8 9.0	2.254	3.109	11.9	21.6

341246 2007 RP_{202} 5 9.3 107°.08 3°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.95	−27 44.3	2.196	2.969	14.2	21.1
4 11	15 29.18	−28 11.6	2.112	2.977	11.6	20.9
4 21	15 22.13	−28 27.2	2.050	2.985	8.5	20.7
5 1	15 13.38	−28 29.6	2.013	2.993	5.4	20.5
5 11	15 3.84	−28 19.0	2.003	3.001	3.6	20.4
5 21	14 54.50	−27 57.4	2.021	3.009	5.1	20.5
5 31	14 46.32	−27 28.8	2.065	3.017	8.1	20.7
6 10	14 40.03	−26 58.0	2.135	3.024	11.1	20.9

415802 2001 JT_{2} 5 9.3 319°.55 17°.1/10.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	16 12.20	+19 48.4	1.142	1.883	26.4	20.2
4 11	16 3.43	+19 24.1	1.023	1.842	24.3	19.8
4 21	15 48.39	+18 15.4	0.918	1.801	21.5	19.4
5 1	15 27.01	+15 57.2	0.832	1.761	18.5	19.1
5 11	15 0.74	+12 8.6	0.772	1.722	17.1	18.8
5 21	14 32.58	+ 6 49.1	0.744	1.684	19.3	18.8
5 31	14 6.38	+ 0 26.6	0.748	1.647	24.3	18.9
6 10	13 45.09	− 6 14.5	0.782	1.613	30.1	19.1

159342 2006 JR 5 9.3 317°.76 4°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.26	−39 50.4	4.256	4.947	9.0	18.8
4 11	15 21.49	−39 43.2	4.148	4.942	7.8	18.7
4 21	15 16.49	−39 24.4	4.062	4.937	6.3	18.6
5 1	15 10.63	−38 53.4	4.001	4.932	5.0	18.5
5 11	15 4.42	−38 10.6	3.967	4.927	4.1	18.4
5 21	14 58.34	−37 17.5	3.962	4.922	4.2	18.4
5 31	14 52.89	−36 16.7	3.985	4.917	5.2	18.5
6 10	14 48.45	−35 11.5	4.035	4.912	6.6	18.6

505505 2013 WW_{88} 5 9.3 295°.64 3°.4/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.96	−29 11.8	1.691	2.485	17.0	21.3
4 11	15 26.98	−28 50.9	1.587	2.466	14.0	21.1
4 21	15 21.17	−28 9.2	1.502	2.446	10.3	20.8
5 1	15 13.11	−27 5.7	1.440	2.427	6.2	20.5
5 11	15 3.88	−25 42.4	1.403	2.407	3.4	20.3
5 21	14 54.73	−24 5.0	1.393	2.388	5.8	20.4
5 31	14 46.93	−22 22.6	1.409	2.369	10.2	20.6
6 10	14 41.46	−20 44.8	1.447	2.351	14.4	20.8

463184 2012 BX_{113} 5 9.3 104°.44 0°.4/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.18	−20 15.7	1.655	2.466	16.6	22.5
4 11	15 30.50	−20 1.7	1.585	2.481	13.0	22.3
4 21	15 23.14	−19 36.6	1.536	2.495	8.8	22.1
5 1	15 13.85	−19 1.9	1.511	2.509	4.2	21.9
5 11	15 3.77	−18 20.7	1.513	2.523	0.8	21.6
5 21	14 54.11	−17 38.0	1.542	2.536	5.5	22.0
5 31	14 45.97	−16 59.2	1.596	2.549	9.9	22.3
6 10	14 40.12	−16 28.9	1.674	2.561	13.7	22.5

112735 2002 PM_{127} 5 9.3 251°.18 3°.3/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.48	−28 6.2	2.426	3.192	13.2	20.7
4 11	15 28.84	−28 23.6	2.314	3.175	10.9	20.5
4 21	15 21.97	−28 29.7	2.223	3.157	8.1	20.3
5 1	15 13.38	−28 23.2	2.158	3.138	5.1	20.1
5 11	15 3.84	−28 3.8	2.121	3.120	3.3	19.9
5 21	14 54.28	−27 33.5	2.112	3.100	4.9	20.0
5 31	14 45.64	−26 55.9	2.130	3.081	7.9	20.1
6 10	14 38.71	−26 15.9	2.174	3.060	11.0	20.3

158939 2004 RO_{78} 5 9.3 190°.53 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.96	−17 25.7	2.086	2.891	13.8	20.7
4 11	15 28.38	−17 19.0	1.997	2.891	10.8	20.5
4 21	15 21.58	−17 5.7	1.931	2.890	7.3	20.3
5 1	15 13.14	−16 46.7	1.890	2.888	3.4	20.0
5 11	15 3.91	−16 24.6	1.877	2.887	0.9	19.8
5 21	14 54.84	−16 2.2	1.893	2.885	4.9	20.1
5 31	14 46.85	−15 43.2	1.935	2.883	8.8	20.3
6 10	14 40.68	−15 30.7	2.002	2.880	12.2	20.5

457150 2008 FD_{133} 5 9.3 269°.60 0°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.27	−14 40.7	4.381	5.171	7.4	20.9
4 11	15 22.01	−14 50.8	4.283	5.169	5.7	20.8
4 21	15 16.74	−14 59.0	4.211	5.167	3.8	20.6
5 1	15 10.75	−15 6.0	4.167	5.165	1.7	20.5
5 11	15 4.42	−15 12.5	4.155	5.163	0.6	20.4
5 21	14 58.14	−15 19.5	4.172	5.161	2.7	20.5
5 31	14 52.30	−15 27.9	4.220	5.160	4.7	20.7
6 10	14 47.24	−15 38.6	4.295	5.158	6.5	20.8

62064 2000 RA_{73} 5 9.3 125°.24 0°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.97	−20 43.5	1.850	2.648	15.6	19.5
4 11	15 31.58	−20 28.7	1.778	2.666	12.2	19.3
4 21	15 23.71	−20 3.3	1.727	2.683	8.3	19.1
5 1	15 14.08	−19 28.4	1.702	2.698	3.9	18.9
5 11	15 3.74	−18 47.1	1.704	2.714	0.8	18.7
5 21	14 53.81	−18 3.6	1.735	2.728	5.1	19.0
5 31	14 45.30	−17 23.1	1.792	2.742	9.2	19.3
6 10	14 38.94	−16 50.0	1.873	2.755	12.7	19.5

94767 2001 XC_{101} 5 9.3 284°.38 0°.8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.86	−16 19.3	1.434	2.264	17.8	19.1
4 11	15 30.36	−16 17.8	1.340	2.247	14.1	18.8
4 21	15 23.69	−16 8.7	1.265	2.230	9.6	18.5
5 1	15 14.40	−15 53.2	1.213	2.213	4.5	18.1
5 11	15 3.64	−15 34.3	1.186	2.195	1.4	17.9
5 21	14 52.81	−15 15.8	1.184	2.178	6.9	18.2
5 31	14 43.41	−15 2.9	1.206	2.161	12.2	18.4
6 10	14 36.60	−15 0.1	1.249	2.143	16.9	18.6

475168 2005 UL_{434} 5 9.3 264°.01 0°.8/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.08	−16 6.1	2.485	3.291	11.9	21.8
4 11	15 25.07	−15 49.2	2.384	3.278	9.3	21.6
4 21	15 19.24	−15 26.7	2.306	3.266	6.2	21.4
5 1	15 12.04	−15 0.2	2.254	3.253	2.9	21.1
5 11	15 4.16	−14 32.1	2.231	3.239	1.2	21.0
5 21	14 56.34	−14 5.3	2.237	3.226	4.5	21.2
5 31	14 49.34	−13 42.8	2.270	3.213	7.9	21.4
6 10	14 43.77	−13 27.4	2.327	3.199	10.9	21.5

132559 2002 JP_{92} 5 9.3 311°.08 1°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.30	−23 21.8	1.830	2.636	15.5	20.2
4 11	15 26.77	−23 14.5	1.740	2.630	12.3	19.9
4 21	15 20.75	−22 54.6	1.670	2.624	8.6	19.7
5 1	15 12.84	−22 22.4	1.625	2.619	4.5	19.4
5 11	15 4.00	−21 40.1	1.605	2.614	1.6	19.2
5 21	14 55.31	−20 51.9	1.613	2.608	5.1	19.4
5 31	14 47.86	−20 3.3	1.646	2.603	9.3	19.7
6 10	14 42.45	−19 20.1	1.703	2.598	13.1	19.9

255636 2006 QJ_{6} 5 9.3 240°.68 1°.7/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.70	−15 7.9	1.912	2.725	14.6	21.5
4 11	15 29.28	−14 39.2	1.812	2.711	11.5	21.3
4 21	15 22.40	−14 3.1	1.735	2.696	7.8	21.0
5 1	15 13.61	−13 22.0	1.682	2.681	3.7	20.7
5 11	15 3.83	−12 39.6	1.658	2.665	2.1	20.6
5 21	14 54.09	−12 0.4	1.661	2.648	6.1	20.8
5 31	14 45.47	−11 29.0	1.690	2.631	10.3	21.0
6 10	14 38.80	−11 9.1	1.742	2.613	14.1	21.2

437005 2012 TE_{244} 5 9.3 353°.02 3°.9/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.47	−11 12.6	1.827	2.660	14.4	20.7
4 11	15 24.27	−10 4.6	1.749	2.658	11.2	20.5
4 21	15 18.88	− 8 50.6	1.693	2.657	7.7	20.3
5 1	15 11.90	− 7 35.8	1.662	2.656	4.5	20.1
5 11	15 4.21	− 6 26.6	1.658	2.655	4.4	20.1
5 21	14 56.75	− 5 28.8	1.680	2.655	7.4	20.3
5 31	14 50.42	− 4 46.9	1.728	2.654	11.0	20.5
6 10	14 45.90	− 4 23.2	1.797	2.654	14.3	20.7

266218 2006 WD_{189} 5 9.3 67°.92 10°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.15	+ 6 26.6	1.632	2.451	16.5	20.3
4 11	15 28.61	+ 7 39.5	1.587	2.469	13.8	20.2
4 21	15 21.67	+ 8 40.2	1.563	2.486	11.5	20.1
5 1	15 13.12	+ 9 20.9	1.561	2.504	10.3	20.0
5 11	15 4.01	+ 9 35.9	1.583	2.522	10.7	20.1
5 21	14 55.39	+ 9 23.1	1.628	2.540	12.4	20.2
5 31	14 48.22	+ 8 43.8	1.696	2.558	14.7	20.4
6 10	14 43.12	+ 7 41.8	1.782	2.576	17.0	20.6

334888 2003 UM_{348} 5 9.3 237°.99 1°.7/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.00	−14 23.2	2.267	3.077	12.7	21.6
4 11	15 26.72	−13 54.6	2.169	3.066	9.9	21.4
4 21	15 20.42	−13 20.4	2.093	3.054	6.7	21.1
5 1	15 12.63	−12 42.7	2.044	3.042	3.2	20.9
5 11	15 4.08	−12 5.0	2.023	3.029	2.0	20.8
5 21	14 55.62	−11 30.7	2.031	3.016	5.3	21.0
5 31	14 48.07	−11 3.5	2.065	3.003	8.9	21.2
6 10	14 42.11	−10 46.3	2.124	2.989	12.1	21.3

396249 2014 BU_{48} 5 9.3 32°.33 4°.6/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.71	− 7 3.4	2.081	2.908	13.1	20.8
4 11	15 24.13	− 6 5.4	2.006	2.910	10.3	20.6
4 21	15 18.62	− 5 6.0	1.955	2.913	7.3	20.4
5 1	15 11.74	− 4 10.2	1.930	2.916	4.9	20.3
5 11	15 4.28	− 3 23.0	1.931	2.920	5.0	20.3
5 21	14 57.04	− 2 48.4	1.959	2.923	7.4	20.4
5 31	14 50.79	− 2 29.2	2.013	2.926	10.4	20.6
6 10	14 46.15	− 2 26.4	2.089	2.930	13.2	20.8

169508 2002 CT_{267} 5 9.3 213°.60 2°.2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.73	− 8 58.8	3.701	4.507	8.3	21.1
4 11	15 21.00	− 8 29.6	3.608	4.502	6.4	20.9
4 21	15 16.15	− 7 59.4	3.540	4.497	4.4	20.8
5 1	15 10.52	− 7 30.1	3.500	4.491	2.6	20.7
5 11	15 4.53	− 7 3.9	3.490	4.486	2.5	20.6
5 21	14 58.63	− 6 42.8	3.509	4.480	4.1	20.8
5 31	14 53.23	− 6 28.3	3.557	4.474	6.2	20.9
6 10	14 48.73	− 6 21.5	3.629	4.468	8.1	21.0

440866 2006 SA_{385} 5 9.3 5°.39 6°.0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.35	− 2 1.9	2.117	2.940	13.0	20.9
4 11	15 24.59	− 1 6.3	2.043	2.940	10.5	20.8
4 21	15 18.92	− 0 13.4	1.992	2.940	7.9	20.6
5 1	15 11.89	+ 0 31.7	1.967	2.941	6.2	20.5
5 11	15 4.26	+ 1 4.1	1.968	2.941	6.4	20.5
5 21	14 56.83	+ 1 20.6	1.995	2.942	8.5	20.6
5 31	14 50.38	+ 1 19.3	2.047	2.942	11.1	20.8
6 10	14 45.50	+ 1 0.5	2.120	2.943	13.7	21.0

414084 2007 TY_{153} 5 9.3 298°.37 2°.4/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.97	−24 29.8	1.388	2.209	18.7	20.6
4 11	15 28.32	−24 25.9	1.294	2.193	15.2	20.3
4 21	15 22.41	−24 4.9	1.219	2.177	10.8	20.0
5 1	15 13.85	−23 25.8	1.166	2.161	5.9	19.7
5 11	15 3.83	−22 30.9	1.137	2.145	2.4	19.4
5 21	14 53.85	−21 25.6	1.133	2.130	6.4	19.6
5 31	14 45.42	−20 18.3	1.152	2.115	11.7	19.8
6 10	14 39.71	−19 18.1	1.192	2.100	16.5	20.1

240782 2005 SQ_{277} 5 9.3 213°.83 4°.1/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.16	− 9 5.5	1.591	2.417	16.5	20.8
4 11	15 31.52	− 8 39.0	1.508	2.412	13.0	20.6
4 21	15 24.06	− 8 10.6	1.446	2.408	9.0	20.3
5 1	15 14.43	− 7 44.3	1.409	2.402	5.2	20.1
5 11	15 3.74	− 7 24.9	1.397	2.397	4.5	20.0
5 21	14 53.22	− 7 16.3	1.411	2.391	8.0	20.2
5 31	14 44.10	− 7 21.6	1.451	2.384	12.2	20.4
6 10	14 37.30	− 7 42.1	1.512	2.377	16.1	20.6

192360 1995 VN_{11} 5 9.3 342°.33 2°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.23	−11 46.8	1.500	2.339	16.7	19.2
4 11	15 27.11	−11 39.7	1.418	2.331	13.1	19.0
4 21	15 21.20	−11 29.7	1.357	2.323	8.9	18.7
5 1	15 13.14	−11 19.5	1.318	2.317	4.5	18.4
5 11	15 4.00	−11 12.8	1.305	2.311	3.0	18.3
5 21	14 54.99	−11 13.0	1.317	2.306	7.1	18.5
5 31	14 47.35	−11 23.2	1.352	2.301	11.6	18.8
6 10	14 41.99	−11 45.2	1.409	2.298	15.7	19.0

168769 2000 RO_{16} 5 9.3 294°.54 1°.2/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.78	−18 39.0	1.393	2.228	17.9	20.2
4 11	15 27.20	−17 54.7	1.298	2.209	14.2	19.9
4 21	15 21.55	−16 54.7	1.223	2.189	9.6	19.6
5 1	15 13.42	−15 41.9	1.170	2.170	4.5	19.2
5 11	15 3.93	−14 22.2	1.142	2.151	1.9	19.0
5 21	14 54.47	−13 3.5	1.139	2.132	7.3	19.3
5 31	14 46.45	−11 54.9	1.159	2.113	12.7	19.5
6 10	14 40.96	−11 3.5	1.200	2.094	17.5	19.7

463430 2013 LL_{16} 5 9.3 354°.71 6°.2/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.40	− 7 32.9	1.262	2.116	18.3	20.7
4 11	15 26.74	− 6 32.0	1.194	2.113	14.5	20.4
4 21	15 21.05	− 5 28.5	1.145	2.111	10.3	20.2
5 1	15 13.07	− 4 29.8	1.118	2.109	6.8	20.0
5 11	15 4.03	− 3 43.9	1.115	2.109	6.8	20.0
5 21	14 55.30	− 3 17.3	1.135	2.108	10.3	20.2
5 31	14 48.17	− 3 13.8	1.176	2.109	14.5	20.4
6 10	14 43.57	− 3 33.6	1.236	2.110	18.5	20.6

481504 2007 EL_{62} 5 9.3 331°.20 4°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 21.48	+ 1 4.9	4.135	4.940	7.5	20.0
4 11	15 18.38	+ 1 51.0	4.056	4.939	6.1	19.9
4 21	15 14.35	+ 2 34.2	4.003	4.937	4.8	19.8
5 1	15 9.69	+ 3 12.1	3.978	4.935	4.1	19.7
5 11	15 4.75	+ 3 42.3	3.981	4.934	4.3	19.8
5 21	14 59.89	+ 4 3.1	4.012	4.932	5.4	19.8
5 31	14 55.47	+ 4 13.5	4.068	4.931	6.8	19.9
6 10	14 51.80	+ 4 13.2	4.149	4.930	8.2	20.0

119769 2001 YD_{136} 5 9.3 88°.14 8°.1/14.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.83	−38 55.1	1.852	2.584	17.9	20.0
4 11	15 33.06	−39 45.7	1.777	2.598	15.4	19.9
4 21	15 25.18	−40 15.8	1.721	2.611	12.6	19.7
5 1	15 14.96	−40 20.5	1.686	2.625	10.0	19.6
5 11	15 3.66	−39 58.2	1.675	2.638	8.3	19.5
5 21	14 52.74	−39 11.1	1.689	2.651	8.5	19.5
5 31	14 43.53	−38 5.5	1.728	2.664	10.4	19.7
6 10	14 36.96	−36 50.6	1.791	2.677	13.0	19.9

347178 2011 FA_{150} 5 9.3 350°.57 3°.2/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.40	− 9 44.4	1.604	2.436	16.1	20.0
4 11	15 28.55	− 9 40.7	1.524	2.432	12.6	19.8
4 21	15 22.04	− 9 36.3	1.466	2.430	8.6	19.5
5 1	15 13.50	− 9 34.3	1.431	2.427	4.6	19.3
5 11	15 3.97	− 9 37.9	1.422	2.425	3.5	19.2
5 21	14 54.62	− 9 49.6	1.439	2.424	7.1	19.4
5 31	14 46.60	−10 11.5	1.480	2.423	11.3	19.7
6 10	14 40.78	−10 44.4	1.544	2.423	15.1	19.9

519878 2013 NO_{32} 5 9.3 318°.94 5°.0/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.40	− 9 59.7	1.382	2.231	17.3	21.8
4 11	15 25.88	− 8 59.8	1.300	2.218	13.6	21.5
4 21	15 20.49	− 7 53.5	1.239	2.206	9.5	21.2
5 1	15 12.86	− 6 47.2	1.199	2.194	5.8	21.0
5 11	15 4.09	− 5 48.5	1.185	2.182	5.6	20.9
5 21	14 55.46	− 5 4.6	1.194	2.171	9.3	21.1
5 31	14 48.25	− 4 40.9	1.225	2.161	13.8	21.3
6 10	14 43.40	− 4 39.7	1.276	2.151	17.9	21.5

385467 2003 UD_{74} 5 9.3 180°.13 1°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.27	−13 15.1	2.575	3.377	11.6	22.2
4 11	15 27.35	−12 58.1	2.486	3.378	9.0	22.0
4 21	15 20.66	−12 37.6	2.420	3.379	6.0	21.8
5 1	15 12.70	−12 15.5	2.382	3.379	2.9	21.6
5 11	15 4.15	−11 54.1	2.373	3.379	1.9	21.5
5 21	14 55.74	−11 36.1	2.393	3.378	4.7	21.7
5 31	14 48.20	−11 23.9	2.442	3.376	7.8	21.9
6 10	14 42.09	−11 19.4	2.515	3.374	10.6	22.1

479163 2013 CX_{20} 5 9.3 144°.60 1°.2/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.91	−23 19.7	2.823	3.604	11.2	22.3
4 11	15 25.43	−23 10.5	2.736	3.612	8.9	22.2
4 21	15 19.32	−22 52.7	2.671	3.619	6.2	22.0
5 1	15 12.06	−22 26.9	2.634	3.626	3.2	21.8
5 11	15 4.29	−21 54.8	2.625	3.633	1.2	21.7
5 21	14 56.71	−21 18.9	2.646	3.639	3.6	21.9
5 31	14 49.95	−20 42.4	2.695	3.645	6.5	22.1
6 10	14 44.54	−20 8.7	2.770	3.651	9.1	22.2

249087 2007 VC_{52} 5 9.3 269°.77 1°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.97	−21 41.3	1.604	2.414	17.1	20.7
4 11	15 31.07	−21 53.3	1.503	2.397	13.7	20.5
4 21	15 24.11	−21 54.6	1.423	2.379	9.6	20.2
5 1	15 14.63	−21 44.2	1.365	2.360	5.0	19.9
5 11	15 3.73	−21 23.2	1.333	2.342	1.7	19.6
5 21	14 52.73	−20 54.6	1.327	2.323	6.0	19.8
5 31	14 43.07	−20 23.9	1.347	2.304	10.9	20.0
6 10	14 35.86	−19 57.1	1.388	2.284	15.4	20.3

297461 2000 SF_{309} 5 9.3 192°.64 2°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.79	−28 56.1	3.120	3.874	10.8	22.2
4 11	15 26.10	−28 55.6	3.019	3.872	8.8	22.0
4 21	15 19.78	−28 44.7	2.940	3.869	6.5	21.9
5 1	15 12.29	−28 23.1	2.887	3.866	4.1	21.7
5 11	15 4.26	−27 51.6	2.864	3.862	2.6	21.6
5 21	14 56.34	−27 12.3	2.870	3.858	3.8	21.7
5 31	14 49.19	−26 28.3	2.905	3.853	6.1	21.8
6 10	14 43.35	−25 43.5	2.966	3.848	8.5	22.0

313125 2001 AQ_{6} 5 9.3 186°.67 3°.4/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.39	− 9 46.7	1.989	2.802	14.1	21.3
4 11	15 30.29	− 9 13.9	1.905	2.802	11.1	21.1
4 21	15 22.89	− 8 38.5	1.843	2.801	7.6	20.9
5 1	15 13.81	− 8 3.9	1.807	2.800	4.3	20.7
5 11	15 3.95	− 7 34.4	1.799	2.798	3.8	20.7
5 21	14 54.28	− 7 13.4	1.818	2.795	6.8	20.8
5 31	14 45.75	− 7 4.1	1.865	2.791	10.4	21.0
6 10	14 39.10	− 7 8.0	1.934	2.787	13.6	21.2

521109 2015 DH_{245} 5 9.3 80°.06 5°.0/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.12	− 5 45.5	2.039	2.864	13.4	21.1
4 11	15 25.25	− 4 48.1	1.967	2.869	10.5	20.9
4 21	15 19.40	− 3 50.7	1.919	2.875	7.6	20.8
5 1	15 12.14	− 2 58.2	1.896	2.880	5.3	20.6
5 11	15 4.30	− 2 15.6	1.900	2.885	5.4	20.6
5 21	14 56.70	− 1 46.8	1.931	2.891	7.8	20.8
5 31	14 50.15	− 1 34.3	1.987	2.896	10.7	21.0
6 10	14 45.25	− 1 38.6	2.065	2.902	13.5	21.2

45182 1999 XC_{147} 5 9.3 306°.36 0°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.88	−20 10.0	1.419	2.250	17.9	19.3
4 11	15 27.31	−19 55.8	1.325	2.232	14.2	19.0
4 21	15 21.66	−19 28.3	1.249	2.213	9.8	18.6
5 1	15 13.51	−18 48.3	1.197	2.195	4.7	18.3
5 11	15 3.98	−17 59.4	1.168	2.178	0.9	18.0
5 21	14 54.45	−17 7.1	1.164	2.161	6.5	18.3
5 31	14 46.34	−16 18.8	1.184	2.144	11.8	18.5
6 10	14 40.78	−15 41.1	1.225	2.128	16.5	18.8

75633 2000 AF_{52} 5 9.3 143°.66 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.46	−27 43.2	2.456	3.223	13.1	20.5
4 11	15 28.48	−27 39.9	2.370	3.233	10.6	20.3
4 21	15 21.51	−27 24.3	2.307	3.243	7.6	20.1
5 1	15 13.11	−26 56.2	2.269	3.253	4.6	19.9
5 11	15 4.10	−26 17.0	2.259	3.261	2.7	19.8
5 21	14 55.34	−25 29.6	2.279	3.270	4.3	19.9
5 31	14 47.64	−24 38.6	2.326	3.278	7.3	20.1
6 10	14 41.63	−23 48.7	2.399	3.285	10.1	20.3

297431 2000 SO_{98} 5 9.3 202°.12 3°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.06	−29 5.9	2.645	3.405	12.4	20.9
4 11	15 27.46	−29 23.8	2.547	3.402	10.2	20.7
4 21	15 20.89	−29 30.6	2.471	3.400	7.6	20.6
5 1	15 12.87	−29 25.3	2.420	3.396	5.0	20.4
5 11	15 4.14	−29 8.1	2.397	3.393	3.4	20.3
5 21	14 55.50	−28 40.7	2.403	3.389	4.5	20.3
5 31	14 47.77	−28 6.6	2.436	3.385	7.1	20.5
6 10	14 41.59	−27 30.1	2.495	3.381	9.8	20.7

80698 2000 CH_{1} 5 9.3 215°.17 1°.4/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.52	−22 25.9	2.151	2.938	14.1	20.2
4 11	15 30.52	−22 26.0	2.050	2.930	11.2	20.0
4 21	15 23.16	−22 16.1	1.971	2.921	7.8	19.8
5 1	15 14.00	−21 56.1	1.918	2.911	4.1	19.5
5 11	15 3.91	−21 27.5	1.893	2.901	1.4	19.3
5 21	14 53.89	−20 53.1	1.896	2.890	4.7	19.5
5 31	14 44.95	−20 17.2	1.927	2.878	8.6	19.7
6 10	14 37.89	−19 44.6	1.983	2.865	12.1	19.9

391766 2008 FA 5 9.3 37°.83 13°.2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.78	+25 34.1	2.298	3.023	15.0	19.9
4 11	15 29.38	+26 31.6	2.254	3.027	14.0	19.9
4 21	15 22.00	+27 8.1	2.229	3.031	13.4	19.8
5 1	15 13.28	+27 17.2	2.224	3.036	13.2	19.8
5 11	15 4.09	+26 55.4	2.240	3.041	13.5	19.8
5 21	14 55.31	+26 2.4	2.276	3.046	14.3	19.9
5 31	14 47.72	+24 40.7	2.332	3.051	15.4	20.0
6 10	14 41.89	+22 55.2	2.405	3.056	16.5	20.1

308098 2004 VF_{28} 5 9.3 254°.42 2°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.59	−24 39.3	2.252	3.034	13.7	21.7
4 11	15 29.06	−24 38.8	2.138	3.014	11.0	21.4
4 21	15 22.24	−24 27.0	2.047	2.993	7.9	21.2
5 1	15 13.61	−24 3.5	1.980	2.971	4.4	20.9
5 11	15 3.98	−23 29.2	1.942	2.948	2.0	20.7
5 21	14 54.33	−22 47.0	1.932	2.925	4.7	20.9
5 31	14 45.62	−22 1.2	1.949	2.901	8.4	21.0
6 10	14 38.70	−21 17.2	1.992	2.877	11.9	21.2

304080 2006 GN_{38} 5 9.3 67°.85 7°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.71	− 4 54.3	1.309	2.152	18.4	19.9
4 11	15 29.62	− 3 40.2	1.260	2.171	14.5	19.7
4 21	15 22.64	− 2 28.1	1.232	2.190	10.5	19.5
5 1	15 13.68	− 1 26.0	1.226	2.210	7.6	19.4
5 11	15 4.02	− 0 41.6	1.244	2.229	7.7	19.5
5 21	14 54.96	− 0 19.9	1.286	2.248	10.6	19.7
5 31	14 47.64	− 0 22.5	1.351	2.267	14.2	19.9
6 10	14 42.80	− 0 47.9	1.435	2.286	17.6	20.2

15859 1996 GO_{18} 5 9.3 264°.15 1°.6/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.26	−17 0.4	1.550	2.377	16.8	18.7
4 11	15 28.76	−16 20.7	1.457	2.364	13.2	18.5
4 21	15 22.39	−15 29.3	1.385	2.350	9.0	18.2
5 1	15 13.77	−14 29.0	1.336	2.335	4.2	17.8
5 11	15 3.96	−13 25.1	1.313	2.321	2.1	17.7
5 21	14 54.24	−12 24.1	1.316	2.306	6.9	17.9
5 31	14 45.88	−11 33.0	1.344	2.291	11.8	18.2
6 10	14 39.86	−10 57.0	1.393	2.276	16.1	18.4

295980 2008 YA_{43} 5 9.3 195°.08 1°.4/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.56	−23 10.4	2.209	3.001	13.6	21.5
4 11	15 27.28	−23 1.7	2.117	3.000	10.8	21.3
4 21	15 20.87	−22 42.3	2.047	2.998	7.5	21.1
5 1	15 12.89	−22 12.7	2.003	2.997	3.9	20.9
5 11	15 4.16	−21 34.9	1.986	2.995	1.4	20.7
5 21	14 55.61	−20 52.2	1.998	2.992	4.4	20.9
5 31	14 48.10	−20 9.0	2.037	2.990	8.0	21.1
6 10	14 42.33	−19 29.9	2.101	2.987	11.3	21.3

299957 2006 TB_{72} 5 9.3 219°.39 3°.7/12.3 18

4 1	15 31.65	−30 41.1	2.558	3.314	12.9	21.4
4 11	15 27.24	−30 50.8	2.457	3.309	10.6	21.2
4 21	15 20.81	−30 47.6	2.378	3.303	8.0	21.0
5 1	15 12.86	−30 30.5	2.324	3.297	5.4	20.9
5 11	15 4.18	−29 59.9	2.297	3.291	3.7	20.7
5 21	14 55.61	−29 18.0	2.299	3.285	4.8	20.8
5 31	14 47.98	−28 28.8	2.328	3.278	7.4	20.9
6 10	14 41.99	−27 37.3	2.383	3.271	10.1	21.1

232560 2003 SN_{274} 5 9.3 277°.95 3°.1/11.2 17

4 1	15 32.40	−26 7.9	1.972	2.761	15.1	20.9
4 11	15 28.44	−26 24.6	1.873	2.750	12.3	20.7
4 21	15 21.96	−26 29.2	1.795	2.739	8.9	20.5
5 1	15 13.52	−26 20.4	1.741	2.728	5.4	20.2
5 11	15 4.04	−25 58.6	1.714	2.717	3.1	20.1
5 21	14 54.61	−25 26.4	1.713	2.706	5.3	20.2
5 31	14 46.32	−24 48.4	1.739	2.695	9.0	20.4
6 10	14 40.05	−24 10.2	1.789	2.684	12.5	20.6

155521 1999 TM_{26} 5 9.3 137°.68 1°.5/10.1 18

4 1	15 37.35	−22 17.1	1.478	2.289	18.3	20.8
4 11	15 32.76	−22 16.9	1.403	2.296	14.5	20.6
4 21	15 25.03	−22 3.5	1.347	2.303	10.1	20.3
5 1	15 14.94	−21 36.7	1.315	2.310	5.1	20.0
5 11	15 3.77	−20 59.0	1.308	2.317	1.6	19.8
5 21	14 52.96	−20 15.2	1.327	2.323	6.0	20.1
5 31	14 43.87	−19 32.0	1.371	2.328	10.8	20.4
6 10	14 37.43	−18 55.8	1.438	2.333	15.0	20.7

481530 2007 HV_{92} 5 9.3 351°.95 27°.7/15.8 18

4 1	15 31.40	+30 38.5	0.910	1.705	28.1	19.9
4 11	15 29.51	+33 28.1	0.889	1.700	27.7	19.8
4 21	15 23.43	+35 30.4	0.878	1.696	27.7	19.8
5 1	15 14.28	+36 29.2	0.878	1.693	28.2	19.8
5 11	15 3.93	+36 15.5	0.888	1.691	29.0	19.9
5 21	14 54.33	+34 49.6	0.908	1.690	30.0	19.9
5 31	14 47.16	+32 18.9	0.936	1.691	31.2	20.0
6 10	14 43.40	+28 56.9	0.972	1.692	32.4	20.2

153524 2001 SG_{39} 5 9.3 87°.03 3°.0/ 7.3 18

4 1	15 34.11	−11 57.0	1.842	2.661	14.9	20.7
4 11	15 29.13	−11 9.3	1.786	2.687	11.5	20.5
4 21	15 21.95	−10 17.6	1.752	2.714	7.7	20.3
5 1	15 13.29	− 9 26.1	1.744	2.740	4.1	20.2
5 11	15 4.14	− 8 39.5	1.764	2.765	3.4	20.2
5 21	14 55.47	− 8 2.2	1.811	2.790	6.5	20.4
5 31	14 48.14	− 7 37.4	1.884	2.814	10.0	20.7
6 10	14 42.75	− 7 26.8	1.980	2.838	13.1	20.9

211141 2002 GN_{94} 5 9.3 48°.91 0°.8/ 9.7 17

4 1	15 32.44	−21 22.3	1.327	2.156	19.0	19.9
4 11	15 29.10	−21 7.2	1.260	2.165	15.0	19.7
4 21	15 22.62	−20 37.7	1.213	2.175	10.2	19.5
5 1	15 13.82	−19 55.1	1.187	2.185	4.9	19.2
5 11	15 4.02	−19 3.8	1.186	2.196	1.0	18.9
5 21	14 54.67	−18 10.1	1.210	2.206	6.2	19.3
5 31	14 47.09	−17 21.1	1.258	2.218	11.2	19.6
6 10	14 42.17	−16 43.1	1.326	2.229	15.5	19.9

516419 2002 VU_{149} 5 9.3 172°.53 0°.1/ 9.1 18

4 1	15 23.55	−16 43.1	4.987	5.774	6.6	22.0
4 11	15 19.85	−16 43.3	4.891	5.775	5.1	21.9
4 21	15 15.31	−16 40.8	4.821	5.776	3.4	21.8
5 1	15 10.17	−16 36.5	4.780	5.777	1.6	21.6
5 11	15 4.76	−16 31.1	4.769	5.778	0.4	21.5
5 21	14 59.41	−16 25.7	4.788	5.779	2.3	21.7
5 31	14 54.44	−16 21.4	4.837	5.779	4.1	21.8
6 10	14 50.13	−16 19.3	4.913	5.780	5.7	21.9

285952 2001 RX_{22} 5 9.3 191°.77 3°.7/12.3 18

4 1	15 32.87	−30 30.0	2.619	3.372	12.7	21.3
4 11	15 28.12	−30 46.6	2.521	3.371	10.5	21.1
4 21	15 21.37	−30 51.3	2.445	3.369	7.9	20.9
5 1	15 13.13	−30 42.6	2.395	3.367	5.3	20.8
5 11	15 4.16	−30 20.8	2.372	3.365	3.8	20.7
5 21	14 55.30	−29 47.7	2.378	3.362	4.8	20.7
5 31	14 47.39	−29 7.1	2.411	3.359	7.2	20.9
6 10	14 41.10	−28 23.5	2.470	3.356	9.9	21.0

470595 2008 NM_3 5 9.3 352°.99 7°.0/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.60	− 5 5.1	1.360	2.212	17.3	20.8
4 11	15 25.15	− 4 2.1	1.291	2.208	13.8	20.6
4 21	15 19.90	− 2 59.2	1.242	2.204	10.1	20.3
5 1	15 12.58	− 2 4.0	1.215	2.200	7.3	20.2
5 11	15 4.27	− 1 24.1	1.211	2.198	7.5	20.2
5 21	14 56.23	− 1 5.2	1.231	2.197	10.6	20.3
5 31	14 49.63	− 1 10.2	1.273	2.197	14.3	20.5
6 10	14 45.34	− 1 38.6	1.333	2.197	17.9	20.8

196369 2003 FY_{115} 5 9.3 342°.91 0°.2/ 9.1 18

4 1	15 26.48	−21 54.6	1.461	2.292	17.4	19.4
4 11	15 24.32	−20 57.2	1.377	2.285	13.8	19.2
4 21	15 19.38	−19 41.3	1.313	2.278	9.3	18.9
5 1	15 12.35	−18 10.0	1.273	2.272	4.3	18.6
5 11	15 4.32	−16 30.0	1.257	2.267	1.0	18.3
5 21	14 56.55	−14 50.1	1.267	2.262	6.3	18.7
5 31	14 50.22	−13 19.7	1.302	2.258	11.2	18.9
6 10	14 46.19	−12 6.3	1.357	2.255	15.6	19.2

406355 2007 RR_{171} 5 9.3 184°.69 0°.2/ 9.2 16

4 1	15 36.35	−18 26.6	1.979	2.779	14.7	22.6
4 11	15 31.20	−18 13.2	1.890	2.780	11.5	22.4
4 21	15 23.62	−17 51.3	1.822	2.780	7.8	22.2
5 1	15 14.22	−17 22.1	1.781	2.779	3.6	21.9
5 11	15 3.97	−16 48.3	1.767	2.777	0.8	21.7
5 21	14 53.90	−16 13.7	1.782	2.774	5.2	22.0
5 31	14 45.03	−15 42.5	1.825	2.771	9.3	22.2
6 10	14 38.16	−15 18.9	1.891	2.767	12.9	22.5

395881 2013 AT_{35} 5 9.3 131°.89 4°.3/ 6.1 17

4 1	15 30.08	− 4 18.3	2.504	3.316	11.6	21.9
4 11	15 25.63	− 3 48.5	2.427	3.321	9.2	21.7
4 21	15 19.51	− 3 20.5	2.375	3.326	6.6	21.6
5 1	15 12.20	− 2 57.8	2.349	3.331	4.6	21.5
5 11	15 4.39	− 2 43.4	2.351	3.335	4.6	21.5
5 21	14 56.76	− 2 39.5	2.380	3.340	6.5	21.6
5 31	14 49.99	− 2 47.6	2.437	3.344	9.1	21.8
6 10	14 44.61	− 3 7.8	2.517	3.349	11.5	21.9

420231 2011 HA_{52} 5 9.3 142°.10 7°.3/ 4.7 18

4 1	15 32.13	+ 1 38.4	1.996	2.812	14.0	20.7
4 11	15 27.64	+ 2 27.8	1.927	2.814	11.5	20.6
4 21	15 21.05	+ 3 11.0	1.879	2.817	9.0	20.4
5 1	15 12.97	+ 3 42.4	1.856	2.819	7.4	20.3
5 11	15 4.23	+ 3 57.3	1.859	2.821	7.7	20.3
5 21	14 55.75	+ 3 53.1	1.888	2.823	9.6	20.5
5 31	14 48.36	+ 3 28.9	1.941	2.825	12.2	20.6
6 10	14 42.73	+ 2 46.3	2.015	2.827	14.7	20.8

58916 1998 KM_{50} 5 9.3 310°.57 6°.9/ 3.0 18

4 1	15 25.87	− 2 20.0	2.042	2.872	13.2	19.1
4 11	15 22.93	− 0 47.7	1.955	2.855	10.7	18.9
4 21	15 18.01	+ 0 45.2	1.891	2.838	8.3	18.7
5 1	15 11.62	+ 2 12.0	1.852	2.822	6.9	18.6
5 11	15 4.50	+ 3 25.6	1.840	2.805	7.5	18.6
5 21	14 57.47	+ 4 20.5	1.854	2.789	9.8	18.7
5 31	14 51.35	+ 4 53.0	1.891	2.773	12.5	18.8
6 10	14 46.82	+ 5 2.4	1.949	2.758	15.2	19.0

501101 2013 SZ_{82} 5 9.3 181°.01 4°.9/13.4 17

4 1	15 36.23	−34 50.6	2.567	3.296	13.5	22.8
4 11	15 30.85	−35 7.1	2.470	3.298	11.4	22.7
4 21	15 23.26	−35 8.7	2.394	3.299	8.9	22.5
5 1	15 14.03	−34 53.3	2.342	3.299	6.5	22.3
5 11	15 4.02	−34 20.7	2.317	3.298	5.0	22.2
5 21	14 54.19	−33 33.0	2.321	3.297	5.6	22.3
5 31	14 45.45	−32 34.6	2.353	3.295	7.7	22.4
6 10	14 38.54	−31 31.4	2.410	3.292	10.3	22.6

20816 2000 SQ_{319} 5 9.3 241°.72 5°.1/13.1 18

4 1	15 34.32	−33 43.0	2.230	2.978	14.8	17.8
4 11	15 29.83	−33 55.3	2.122	2.964	12.4	17.6
4 21	15 22.85	−33 51.4	2.035	2.951	9.7	17.4
5 1	15 13.94	−33 28.6	1.971	2.936	6.9	17.2
5 11	15 4.02	−32 46.7	1.934	2.922	5.1	17.1
5 21	14 54.18	−31 48.1	1.925	2.906	6.0	17.1
5 31	14 45.49	−30 38.0	1.942	2.891	8.7	17.2
6 10	14 38.79	−29 23.7	1.984	2.875	11.7	17.4

56315 1999 TH_{121} 5 9.3 304°.64 0°.0/ 9.1 18

4 1	15 31.24	−17 53.5	1.689	2.511	15.9	19.5
4 11	15 27.94	−17 56.3	1.585	2.487	12.6	19.2
4 21	15 21.90	−17 51.5	1.502	2.464	8.7	18.9
5 1	15 13.62	−17 39.7	1.443	2.442	4.1	18.6
5 11	15 4.07	−17 23.0	1.409	2.419	0.8	18.3
5 21	14 54.41	−17 4.5	1.402	2.397	5.8	18.6
5 31	14 45.89	−16 48.6	1.419	2.375	10.6	18.8
6 10	14 39.53	−16 39.8	1.459	2.353	14.9	19.0

143582 2003 FQ_{13} 5 9.3 103°.25 2°.6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.83	−11 50.8	2.403	3.217	12.0	20.2
4 11	15 24.72	−11 2.4	2.330	3.230	9.2	20.0
4 21	15 18.91	−10 10.2	2.281	3.242	6.2	19.8
5 1	15 11.92	− 9 17.6	2.259	3.254	3.4	19.7
5 11	15 4.47	− 8 28.5	2.266	3.266	3.0	19.6
5 21	14 57.26	− 7 46.6	2.301	3.278	5.5	19.8
5 31	14 50.97	− 7 14.9	2.362	3.289	8.5	20.0
6 10	14 46.13	− 6 55.3	2.448	3.301	11.1	20.2

254187 2004 RO_{36} 5 9.3 314°.52 4°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.98	−28 21.9	2.114	2.892	14.6	19.7
4 11	15 28.12	−29 3.7	2.011	2.876	12.0	19.4
4 21	15 21.79	−29 34.8	1.928	2.861	9.1	19.2
5 1	15 13.50	−29 52.7	1.869	2.847	6.1	19.0
5 11	15 4.11	−29 56.3	1.837	2.832	4.3	18.9
5 21	14 54.67	−29 46.6	1.832	2.818	5.7	18.9
5 31	14 46.25	−29 26.9	1.853	2.805	8.8	19.1
6 10	14 39.76	−29 2.3	1.897	2.791	12.0	19.2

388339 2006 TY_{22} 5 9.3 134°.79 0°.0/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.06	−17 40.9	2.544	3.340	11.9	21.4
4 11	15 27.27	−17 44.6	2.459	3.347	9.3	21.2
4 21	15 20.67	−17 43.0	2.398	3.354	6.3	21.0
5 1	15 12.78	−17 36.9	2.363	3.360	2.9	20.8
5 11	15 4.30	−17 27.8	2.357	3.367	0.6	20.6
5 21	14 55.98	−17 17.8	2.381	3.373	4.0	20.9
5 31	14 48.56	−17 9.2	2.432	3.379	7.3	21.1
6 10	14 42.62	−17 4.5	2.509	3.385	10.1	21.3

471770 2012 UF_{134} 5 9.3 243°.96 3°.3/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.69	−28 27.6	2.465	3.228	13.1	22.0
4 11	15 29.01	−28 41.3	2.353	3.212	10.8	21.8
4 21	15 22.14	−28 43.5	2.263	3.196	8.0	21.6
5 1	15 13.59	−28 32.6	2.199	3.179	5.1	21.3
5 11	15 4.13	−28 8.8	2.163	3.161	3.3	21.2
5 21	14 54.66	−27 34.2	2.154	3.143	4.8	21.3
5 31	14 46.11	−26 52.4	2.174	3.125	7.8	21.4
6 10	14 39.25	−26 8.5	2.219	3.106	10.8	21.6

518667 2008 SD_{313} 5 9.3 263°.92 2°.1/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.56	−24 47.3	1.987	2.781	14.8	21.4
4 11	15 27.69	−24 43.5	1.890	2.772	11.9	21.2
4 21	15 21.40	−24 27.0	1.813	2.762	8.5	21.0
5 1	15 13.26	−23 57.6	1.761	2.752	4.7	20.7
5 11	15 4.20	−23 16.9	1.736	2.743	2.1	20.5
5 21	14 55.23	−22 28.6	1.738	2.733	4.9	20.7
5 31	14 47.39	−21 38.0	1.767	2.723	8.8	20.9
6 10	14 41.51	−20 50.7	1.819	2.713	12.5	21.1

108090 2001 FG_{176} 5 9.3 342°.17 4°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.57	− 8 0.5	1.549	2.388	16.3	18.9
4 11	15 27.29	− 7 50.5	1.467	2.378	12.8	18.7
4 21	15 21.32	− 7 41.1	1.406	2.370	8.9	18.4
5 1	15 13.28	− 7 36.1	1.368	2.362	5.2	18.2
5 11	15 4.19	− 7 39.3	1.355	2.355	4.4	18.1
5 21	14 55.23	− 7 53.6	1.367	2.349	7.8	18.3
5 31	14 47.56	− 8 20.9	1.403	2.344	12.0	18.5
6 10	14 42.09	− 9 1.5	1.460	2.339	15.8	18.7

257576 1999 CN_{82} 5 9.3 95°.01 7°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.48	−35 4.0	1.799	2.549	17.7	19.5
4 11	15 34.43	−36 8.8	1.723	2.561	15.0	19.4
4 21	15 26.23	−36 56.5	1.666	2.572	12.0	19.2
5 1	15 15.58	−37 21.8	1.631	2.584	9.2	19.0
5 11	15 3.74	−37 22.5	1.621	2.595	7.5	19.0
5 21	14 52.14	−36 59.7	1.637	2.606	8.1	19.0
5 31	14 42.21	−36 19.0	1.678	2.617	10.4	19.2
6 10	14 34.93	−35 28.6	1.741	2.628	13.3	19.4

16720 1995 WT 5 9.3 163°.81 1°.2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.94	−23 54.0	3.035	3.810	10.6	18.7
4 11	15 25.37	−23 37.4	2.943	3.815	8.4	18.5
4 21	15 19.27	−23 12.1	2.874	3.820	5.9	18.4
5 1	15 12.10	−22 38.7	2.833	3.824	3.1	18.2
5 11	15 4.46	−21 59.1	2.821	3.828	1.2	18.0
5 21	14 56.98	−21 15.7	2.838	3.832	3.4	18.2
5 31	14 50.27	−20 31.9	2.885	3.835	6.1	18.4
6 10	14 44.83	−19 51.0	2.959	3.837	8.7	18.6

211275 2002 RU_{103} 5 9.3 284°.78 17°.8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 50.04	−41 29.5	1.165	1.914	25.6	20.2
4 11	15 46.74	−44 51.0	1.087	1.905	23.2	20.0
4 21	15 37.52	−48 0.5	1.025	1.895	20.8	19.8
5 1	15 22.20	−50 39.8	0.980	1.886	18.7	19.6
5 11	15 2.20	−52 30.2	0.955	1.876	17.8	19.5
5 21	14 40.65	−53 20.0	0.950	1.867	18.5	19.5
5 31	14 21.68	−53 12.1	0.962	1.857	20.5	19.6
6 10	14 8.48	−52 23.0	0.991	1.848	23.2	19.7

56669 2000 KV_{71} 5 9.3 256°.41 5°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.01	+ 0 19.1	2.624	3.430	11.3	19.5
4 11	15 25.69	+ 1 17.4	2.524	3.408	9.2	19.3
4 21	15 19.67	+ 2 13.3	2.449	3.386	7.2	19.1
5 1	15 12.36	+ 3 2.2	2.400	3.362	6.0	19.0
5 11	15 4.40	+ 3 39.6	2.379	3.339	6.4	19.0
5 21	14 56.46	+ 4 2.2	2.385	3.314	8.2	19.1
5 31	14 49.23	+ 4 7.9	2.417	3.289	10.5	19.2
6 10	14 43.31	+ 3 56.4	2.471	3.264	12.8	19.3

521024 2015 CN_{69} 5 9.3 105°.56 6°.8/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.00	+ 1 37.4	1.875	2.683	15.1	20.5
4 11	15 32.35	+ 1 48.8	1.803	2.687	12.3	20.4
4 21	15 24.30	+ 1 51.8	1.751	2.691	9.4	20.2
5 1	15 14.52	+ 1 41.7	1.725	2.696	7.2	20.1
5 11	15 3.99	+ 1 15.4	1.726	2.700	7.1	20.1
5 21	14 53.74	+ 0 31.9	1.754	2.704	9.1	20.2
5 31	14 44.77	− 0 28.2	1.807	2.709	12.0	20.4
6 10	14 37.81	− 1 42.3	1.883	2.713	14.9	20.6

160182 2001 WJ_{102} 5 9.3 106°.54 2°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.76	−11 43.3	1.905	2.722	14.5	20.7
4 11	15 28.99	−11 14.7	1.836	2.737	11.3	20.5
4 21	15 21.99	−10 42.7	1.790	2.751	7.6	20.3
5 1	15 13.42	−10 10.5	1.769	2.765	3.9	20.1
5 11	15 4.22	− 9 41.9	1.776	2.779	3.0	20.1
5 21	14 55.36	− 9 20.4	1.810	2.793	6.2	20.3
5 31	14 47.73	− 9 9.1	1.871	2.806	9.8	20.5
6 10	14 42.01	− 9 9.5	1.954	2.818	13.0	20.8

352521 2008 CX_{120} 5 9.3 131°.92 7°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.46	−41 45.2	2.789	3.469	13.5	21.4
4 11	15 33.56	−42 49.8	2.703	3.480	11.8	21.3
4 21	15 25.23	−43 39.4	2.636	3.490	10.0	21.2
5 1	15 15.04	−44 10.2	2.594	3.500	8.4	21.1
5 11	15 3.89	−44 19.9	2.577	3.509	7.4	21.0
5 21	14 52.82	−44 8.9	2.586	3.519	7.5	21.0
5 31	14 42.88	−43 40.2	2.622	3.527	8.6	21.1
6 10	14 34.88	−42 59.3	2.683	3.536	10.2	21.2

379976 2012 TP_{7} 5 9.3 185°.64 1°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.10	−28 53.0	4.921	5.669	7.2	21.1
4 11	15 19.64	−28 52.4	4.819	5.669	5.8	20.9
4 21	15 15.24	−28 45.3	4.742	5.668	4.3	20.8
5 1	15 10.20	−28 31.8	4.692	5.668	2.8	20.7
5 11	15 4.87	−28 12.4	4.671	5.667	1.9	20.6
5 21	14 59.61	−27 48.5	4.680	5.667	2.5	20.7
5 31	14 54.77	−27 21.6	4.718	5.666	4.0	20.8
6 10	14 50.66	−26 53.6	4.783	5.665	5.5	20.9

427777 2005 AC_{20} 5 9.4 130°.12 4°.1/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.85	−32 11.4	2.297	3.050	14.3	21.1
4 11	15 29.06	−32 10.9	2.212	3.061	11.8	21.0
4 21	15 22.05	−31 54.8	2.149	3.071	8.9	20.8
5 1	15 13.47	−31 21.9	2.110	3.082	6.0	20.6
5 11	15 4.23	−30 33.4	2.098	3.091	4.2	20.5
5 21	14 55.28	−29 32.6	2.115	3.101	5.1	20.6
5 31	14 47.53	−28 25.0	2.159	3.110	7.8	20.8
6 10	14 41.66	−27 16.7	2.228	3.118	10.6	21.0

497048 2003 SG_{298} 5 9.4 266°.24 0°.2/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.37	−18 9.3	1.753	2.564	15.8	21.9
4 11	15 31.14	−18 2.3	1.644	2.540	12.6	21.7
4 21	15 24.08	−17 46.5	1.556	2.515	8.7	21.4
5 1	15 14.69	−17 22.5	1.492	2.490	4.1	21.0
5 11	15 3.95	−16 52.8	1.455	2.465	0.9	20.7
5 21	14 53.05	−16 20.9	1.445	2.438	5.9	21.0
5 31	14 43.30	−15 52.0	1.461	2.411	10.8	21.2
6 10	14 35.74	−15 31.1	1.500	2.384	15.1	21.4

423947 2006 UC_{8} 5 9.4 198°.32 0°.4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.27	−17 28.1	2.096	2.896	13.9	22.6
4 11	15 30.27	−17 18.0	2.002	2.893	10.9	22.4
4 21	15 22.98	−17 0.8	1.932	2.889	7.4	22.2
5 1	15 13.98	−16 37.7	1.887	2.885	3.4	21.9
5 11	15 4.12	−16 11.1	1.871	2.880	0.9	21.7
5 21	14 54.40	−15 44.3	1.883	2.874	5.0	22.0
5 31	14 45.77	−15 20.9	1.922	2.868	8.9	22.2
6 10	14 38.99	−15 4.4	1.986	2.861	12.4	22.4

424344 2007 VX_{23} 5 9.4 272°.23 1°.2/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.34	−13 41.3	2.094	2.905	13.6	20.9
4 11	15 28.74	−13 48.0	2.005	2.902	10.6	20.7
4 21	15 21.94	−13 51.7	1.938	2.898	7.2	20.5
5 1	15 13.49	−13 53.8	1.897	2.895	3.4	20.2
5 11	15 4.22	−13 55.9	1.884	2.892	1.5	20.1
5 21	14 55.06	−14 0.2	1.899	2.889	5.2	20.3
5 31	14 46.93	−14 8.8	1.941	2.885	8.9	20.5
6 10	14 40.57	−14 23.6	2.007	2.882	12.3	20.7

64953 2001 YM_{127} 5 9.4 341.°48 4.°1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.74	−30 37.3	2.217	2.985	14.3	19.6
4 11	15 26.87	−30 51.3	2.125	2.984	11.8	19.4
4 21	15 20.75	−30 51.1	2.053	2.982	8.9	19.2
5 1	15 12.94	−30 35.3	2.006	2.981	6.0	19.1
5 11	15 4.33	−30 4.5	1.985	2.979	4.2	18.9
5 21	14 55.88	−29 21.2	1.991	2.978	5.3	19.0
5 31	14 48.52	−28 30.1	2.024	2.977	8.1	19.2
6 10	14 42.99	−27 37.0	2.081	2.976	11.1	19.3

496454 2014 QM_{263} 5 9.4 55.°37 5.°9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.86	− 5 57.4	1.291	2.133	18.6	20.9
4 11	15 30.72	− 5 22.4	1.237	2.148	14.7	20.6
4 21	15 23.56	− 4 49.4	1.202	2.164	10.4	20.4
5 1	15 14.25	− 4 24.5	1.189	2.179	6.7	20.3
5 11	15 4.10	− 4 13.1	1.201	2.195	6.3	20.3
5 21	14 54.50	− 4 18.7	1.237	2.211	9.5	20.5
5 31	14 46.66	− 4 42.7	1.296	2.228	13.5	20.8
6 10	14 41.41	− 5 23.8	1.374	2.244	17.1	21.1

262999 2007 EP_{109} 5 9.4 58.°50 3.°3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.84	−11 46.8	1.692	2.522	15.5	20.1
4 11	15 27.09	−11 3.4	1.621	2.528	12.0	19.9
4 21	15 20.92	−10 15.1	1.570	2.535	8.2	19.7
5 1	15 13.01	− 9 26.2	1.545	2.541	4.4	19.5
5 11	15 4.34	− 8 42.0	1.546	2.547	3.7	19.4
5 21	14 55.97	− 8 7.3	1.573	2.554	7.1	19.6
5 31	14 48.90	− 7 45.9	1.624	2.561	10.9	19.9
6 10	14 43.86	− 7 39.8	1.698	2.568	14.4	20.1

41702 2000 UN_{49} 5 9.4 79.°65 0.°0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.81	−18 43.8	2.355	3.157	12.5	19.6
4 11	15 25.62	−18 28.0	2.279	3.170	9.8	19.4
4 21	15 19.61	−18 5.0	2.226	3.184	6.5	19.2
5 1	15 12.31	−17 36.3	2.199	3.197	3.0	19.0
5 11	15 4.48	−17 4.5	2.200	3.210	0.6	18.9
5 21	14 56.89	−16 32.6	2.230	3.223	4.2	19.2
5 31	14 50.28	−16 4.0	2.287	3.235	7.5	19.4
6 10	14 45.20	−15 41.7	2.369	3.248	10.5	19.6

389804 2011 UA_{298} 5 9.4 272.°69 0.°6/ 8.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.80	−15 34.3	2.320	3.125	12.6	21.2
4 11	15 27.43	−15 38.0	2.220	3.113	9.9	20.9
4 21	15 21.03	−15 37.4	2.142	3.101	6.7	20.7
5 1	15 13.08	−15 33.7	2.091	3.089	3.1	20.5
5 11	15 4.33	−15 28.5	2.067	3.076	1.0	20.3
5 21	14 55.60	−15 23.8	2.073	3.064	4.6	20.5
5 31	14 47.75	−15 22.2	2.105	3.052	8.2	20.7
6 10	14 41.48	−15 26.0	2.163	3.039	11.5	20.9

517666 2015 BT_{544} 5 9.4 322.°96 3.°3/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.51	−24 58.4	1.803	2.597	16.1	21.3
4 11	15 30.32	−25 34.8	1.714	2.594	13.0	21.1
4 21	15 23.38	−26 0.6	1.645	2.591	9.4	20.9
5 1	15 14.29	−26 13.8	1.601	2.588	5.7	20.6
5 11	15 4.08	−26 14.1	1.582	2.585	3.3	20.5
5 21	14 53.96	−26 3.0	1.590	2.583	5.6	20.6
5 31	14 45.13	−25 44.8	1.624	2.580	9.5	20.8
6 10	14 38.54	−25 24.9	1.682	2.578	13.2	21.1

144397 2004 EP_{3} 5 9.4 64.°18 5.°1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.06	− 5 53.9	1.540	2.370	16.7	19.5
4 11	15 30.54	− 5 32.2	1.474	2.379	13.2	19.3
4 21	15 23.33	− 5 12.7	1.429	2.389	9.3	19.1
5 1	15 14.15	− 4 59.8	1.408	2.398	5.9	18.9
5 11	15 4.15	− 4 57.9	1.413	2.408	5.4	18.9
5 21	14 54.51	− 5 9.7	1.443	2.417	8.4	19.1
5 31	14 46.36	− 5 36.4	1.498	2.427	12.2	19.3
6 10	14 40.50	− 6 17.6	1.573	2.437	15.7	19.6

500937 2013 PX_{63} 5 9.4 153.°83 1.°4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.95	−16 13.8	2.000	2.811	14.2	22.3
4 11	15 28.40	−15 35.6	1.920	2.817	11.0	22.1
4 21	15 21.65	−14 49.5	1.862	2.823	7.4	21.8
5 1	15 13.33	−13 58.4	1.830	2.828	3.4	21.6
5 11	15 4.31	−13 6.3	1.826	2.833	1.8	21.5
5 21	14 55.56	−12 17.9	1.850	2.837	5.5	21.7
5 31	14 47.97	−11 37.6	1.900	2.841	9.3	22.0
6 10	14 42.22	−11 8.8	1.975	2.845	12.7	22.2

181930 1999 TD_{136} 5 9.4 329.°44 9.°9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 41.36	−37 50.1	1.973	2.699	17.1	18.9
4 11	15 36.57	−39 54.0	1.872	2.685	15.0	18.7
4 21	15 28.31	−41 47.0	1.792	2.670	12.8	18.6
5 1	15 16.94	−43 21.1	1.735	2.657	10.9	18.4
5 11	15 3.51	−44 29.4	1.702	2.644	9.9	18.3
5 21	14 49.51	−45 8.2	1.695	2.631	10.4	18.3
5 31	14 36.70	−45 19.1	1.712	2.619	12.2	18.4
6 10	14 26.56	−45 8.8	1.751	2.608	14.6	18.5

432373 2009 WK_{100} 5 9.4 161.°35 2.°2/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.95	−24 7.1	2.472	3.243	12.9	22.2
4 11	15 31.28	−24 28.5	2.382	3.250	10.3	22.0
4 21	15 23.51	−24 41.2	2.315	3.256	7.3	21.8
5 1	15 14.20	−24 44.4	2.274	3.262	4.2	21.6
5 11	15 4.15	−24 38.4	2.262	3.267	2.2	21.5
5 21	14 54.24	−24 24.9	2.280	3.271	4.3	21.6
5 31	14 45.35	−24 7.1	2.326	3.275	7.4	21.8
6 10	14 38.17	−23 48.8	2.398	3.278	10.4	22.0

168747 2000 QY_{121} 5 9.4 307.°41 1.°7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.67	−23 52.1	1.331	2.159	19.0	19.4
4 11	15 27.43	−23 35.0	1.240	2.143	15.3	19.1
4 21	15 21.93	−22 59.3	1.167	2.127	10.8	18.8
5 1	15 13.78	−22 4.9	1.116	2.112	5.6	18.4
5 11	15 4.20	−20 55.3	1.088	2.097	1.7	18.1
5 21	14 54.68	−19 37.3	1.084	2.082	6.5	18.4
5 31	14 46.74	−18 20.3	1.104	2.068	12.0	18.6
6 10	14 41.52	−17 13.7	1.145	2.054	16.9	18.9

192691 1999 TY_{39} 5 9.4 224.°62 4.°7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.57	− 5 49.9	2.305	3.121	12.4	20.5
4 11	15 26.32	− 4 53.1	2.216	3.112	9.8	20.3
4 21	15 20.18	− 3 55.2	2.149	3.103	7.1	20.1
5 1	15 12.66	− 3 0.7	2.110	3.093	5.0	20.0
5 11	15 4.47	− 2 14.4	2.098	3.083	5.1	20.0
5 21	14 56.40	− 1 40.2	2.114	3.072	7.4	20.1
5 31	14 49.21	− 1 20.9	2.156	3.061	10.2	20.3
6 10	14 43.53	− 1 17.7	2.221	3.049	13.0	20.4

190054 2004 RO_{200} 5 9.4 260.°54 1.°8/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.22	−23 51.7	2.265	3.048	13.6	21.3
4 11	15 29.64	−23 51.1	2.147	3.023	10.9	21.0
4 21	15 22.74	−23 39.9	2.051	2.998	7.8	20.8
5 1	15 14.00	−23 17.5	1.980	2.972	4.2	20.5
5 11	15 4.21	−22 44.9	1.938	2.945	1.8	20.3
5 21	14 54.34	−22 4.8	1.924	2.917	4.7	20.4
5 31	14 45.37	−21 21.6	1.937	2.889	8.5	20.6
6 10	14 38.16	−20 40.4	1.976	2.860	12.0	20.8

350608 2001 SX_{27} 5 9.4 210.°60 1.°6/10.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.31	−23 31.7	2.748	3.524	11.6	22.3
4 11	15 27.55	−23 38.3	2.646	3.518	9.3	22.2
4 21	15 20.97	−23 36.7	2.567	3.512	6.5	22.0
5 1	15 13.03	−23 26.7	2.514	3.505	3.6	21.8
5 11	15 4.43	−23 9.4	2.491	3.497	1.6	21.6
5 21	14 55.88	−22 46.6	2.496	3.489	3.8	21.8
5 31	14 48.15	−22 21.2	2.531	3.481	6.8	21.9
6 10	14 41.83	−21 56.7	2.591	3.472	9.6	22.1

89144 2001 UL_{32} 5 9.4 345.°67 3.°9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.29	− 8 40.9	1.592	2.423	16.2	18.8
4 11	15 29.30	− 8 24.9	1.514	2.421	12.8	18.6
4 21	15 22.62	− 8 8.4	1.457	2.419	8.8	18.3
5 1	15 13.93	− 7 55.2	1.423	2.418	5.1	18.1
5 11	15 4.25	− 7 49.2	1.416	2.416	4.3	18.1
5 21	14 54.78	− 7 53.5	1.434	2.415	7.6	18.2
5 31	14 46.65	− 8 10.5	1.476	2.414	11.7	18.5
6 10	14 40.74	− 8 40.9	1.540	2.414	15.4	18.7

55613 2002 TY_{49} 5 9.4 205.°55 0.°8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.34	−15 32.2	2.262	3.067	12.9	19.6
4 11	15 27.81	−15 30.2	2.172	3.065	10.1	19.4
4 21	15 21.26	−15 23.6	2.104	3.063	6.8	19.2
5 1	15 13.19	−15 13.7	2.063	3.061	3.1	18.9
5 11	15 4.41	−15 2.3	2.050	3.059	1.1	18.8
5 21	14 55.74	−14 52.0	2.066	3.057	4.7	19.0
5 31	14 48.03	−14 45.5	2.109	3.054	8.3	19.2
6 10	14 41.96	−14 45.0	2.176	3.051	11.5	19.4

350110 2011 QJ_{1} 5 9.4 169.°44 3.°0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.43	−28 59.6	2.511	3.276	12.9	21.1
4 11	15 27.04	−28 57.1	2.418	3.278	10.5	21.0
4 21	15 20.68	−28 41.9	2.347	3.280	7.7	20.8
5 1	15 12.90	−28 13.5	2.302	3.282	4.9	20.6
5 11	15 4.47	−27 33.2	2.284	3.283	3.0	20.5
5 21	14 56.22	−26 43.8	2.294	3.284	4.4	20.6
5 31	14 48.96	−25 49.6	2.332	3.285	7.2	20.7
6 10	14 43.30	−24 55.6	2.396	3.286	10.0	20.9

59538 1999 JR_{29} 5 9.4 354.°99 1.°6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.53	−14 55.2	1.505	2.339	16.8	19.1
4 11	15 27.38	−14 40.7	1.427	2.337	13.2	18.9
4 21	15 21.45	−14 19.5	1.369	2.335	8.9	18.6
5 1	15 13.41	−13 54.2	1.334	2.333	4.2	18.3
5 11	15 4.36	−13 28.5	1.324	2.332	2.1	18.2
5 21	14 55.53	−13 7.0	1.340	2.332	6.5	18.5
5 31	14 48.09	−12 53.9	1.380	2.332	11.1	18.7
6 10	14 42.95	−12 52.5	1.441	2.333	15.2	19.0

415972 2001 XH_{248} 5 9.4 103°.00 1°.7/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.71	−24 24.5	2.114	2.897	14.4	22.5
4 11	15 30.39	−24 13.6	2.046	2.922	11.4	22.4
4 21	15 22.88	−23 50.9	1.999	2.946	7.9	22.2
5 1	15 13.88	−23 16.8	1.978	2.969	4.2	22.0
5 11	15 4.32	−22 33.9	1.985	2.992	1.7	21.9
5 21	14 55.16	−21 46.0	2.020	3.014	4.4	22.1
5 31	14 47.29	−20 57.9	2.084	3.036	7.9	22.4
6 10	14 41.32	−20 14.5	2.172	3.057	11.1	22.6

88841 2001 SZ_{177} 5 9.4 241°.77 1°.0/ 9.9 16

4 1	15 35.26	−21 38.3	1.631	2.439	16.9	20.2
4 11	15 31.17	−21 28.5	1.535	2.428	13.5	19.9
4 21	15 24.12	−21 6.0	1.459	2.416	9.4	19.7
5 1	15 14.74	−20 30.8	1.407	2.403	4.7	19.3
5 11	15 4.11	−19 45.6	1.381	2.390	1.1	19.1
5 21	14 53.53	−18 54.8	1.381	2.377	5.8	19.3
5 31	14 44.33	−18 5.2	1.407	2.363	10.7	19.6
6 10	14 37.53	−17 23.0	1.456	2.348	15.1	19.8

141531 2002 GB 5 9.4 176°.07 7°.8/ 9.7 18

4 1	16 51.23	−19 10.8	0.719	1.477	36.8	20.6
4 11	16 39.06	−21 45.4	0.641	1.497	30.8	20.2
4 21	16 16.37	−24 38.5	0.575	1.510	22.8	19.8
5 1	15 41.89	−27 25.8	0.530	1.516	13.2	19.3
5 11	14 58.50	−29 23.9	0.513	1.516	7.9	19.0
5 21	14 14.24	−30 2.2	0.526	1.508	15.9	19.4
5 31	13 37.80	−29 36.8	0.566	1.494	25.8	19.8
6 10	13 12.81	−28 50.3	0.624	1.472	33.8	20.2

478240 2011 UF_{341} 5 9.4 100°.60 0°.7/ 8.7 17

4 1	15 28.24	−18 49.9	2.502	3.304	11.9	21.4
4 11	15 24.32	−17 59.1	2.421	3.313	9.2	21.2
4 21	15 18.71	−16 59.7	2.363	3.322	6.1	21.1
5 1	15 11.93	−15 54.3	2.333	3.331	2.8	20.8
5 11	15 4.69	−14 46.8	2.331	3.340	1.1	20.7
5 21	14 57.68	−13 41.4	2.358	3.348	4.3	21.0
5 31	14 51.57	−12 42.3	2.414	3.357	7.5	21.2
6 10	14 46.87	−11 53.0	2.495	3.365	10.4	21.4

264699 2002 AG_{110} 5 9.4 63°.26 7°.4/ 5.2 18

4 1	15 32.36	− 0 25.1	1.689	2.516	15.6	20.0
4 11	15 28.14	+ 0 28.8	1.630	2.527	12.6	19.8
4 21	15 21.56	+ 1 17.1	1.592	2.538	9.6	19.7
5 1	15 13.32	+ 1 53.4	1.578	2.550	7.6	19.6
5 11	15 4.42	+ 2 12.4	1.589	2.561	7.8	19.6
5 21	14 55.90	+ 2 11.0	1.625	2.573	10.0	19.8
5 31	14 48.69	+ 1 48.5	1.685	2.584	12.9	20.0
6 10	14 43.49	+ 1 6.7	1.765	2.596	15.7	20.2

62689 2000 TV_{22} 5 9.4 157°.64 3°.5/12.2 18

4 1	15 32.12	−29 39.0	2.589	3.348	12.7	20.3
4 11	15 27.57	−29 53.8	2.497	3.351	10.4	20.2
4 21	15 21.05	−29 56.9	2.426	3.354	7.8	20.0
5 1	15 13.09	−29 47.2	2.382	3.357	5.1	19.8
5 11	15 4.46	−29 25.2	2.364	3.360	3.5	19.7
5 21	14 55.97	−28 52.9	2.375	3.362	4.6	19.8
5 31	14 48.43	−28 13.9	2.414	3.364	7.1	20.0
6 10	14 42.49	−27 32.9	2.479	3.366	9.8	20.1

307687 2003 UV_6 5 9.4 206°.51 3°.0/11.5 18

4 1	15 37.52	−32 1.0	1.214	2.014	22.1	21.0
4 11	15 33.87	−30 46.8	1.129	2.011	18.2	20.7
4 21	15 26.31	−28 56.1	1.060	2.008	13.2	20.4
5 1	15 15.78	−26 27.8	1.013	2.004	7.5	20.1
5 11	15 3.94	−23 29.3	0.992	1.999	3.0	19.8
5 21	14 52.63	−20 16.0	0.997	1.994	7.0	20.0
5 31	14 43.56	−17 7.8	1.027	1.988	12.9	20.3
6 10	14 37.77	−14 22.2	1.079	1.982	18.3	20.6

479817 2014 FN_{46} 5 9.4 45°.85 0°.7/ 9.0 17

4 1	15 35.18	−13 50.4	1.982	2.792	14.3	20.7
4 11	15 30.16	−14 16.1	1.910	2.806	11.1	20.5
4 21	15 22.87	−14 39.5	1.861	2.820	7.5	20.3
5 1	15 13.95	−15 1.0	1.837	2.835	3.5	20.1
5 11	15 4.30	−15 21.7	1.841	2.850	1.1	20.0
5 21	14 54.93	−15 42.6	1.874	2.866	5.0	20.3
5 31	14 46.75	−16 5.5	1.933	2.881	8.7	20.5
6 10	14 40.47	−16 31.8	2.017	2.897	12.0	20.8

22455 1996 XK_1 5 9.4 207°.05 0°.7/ 9.8 17

4 1	15 35.46	−21 7.7	2.038	2.832	14.5	20.1
4 11	15 30.60	−20 54.3	1.941	2.827	11.5	19.9
4 21	15 23.33	−20 30.4	1.867	2.820	7.9	19.7
5 1	15 14.24	−19 56.8	1.817	2.813	3.9	19.4
5 11	15 4.24	−19 15.7	1.796	2.806	0.8	19.2
5 21	14 54.36	−18 31.0	1.803	2.797	4.9	19.4
5 31	14 45.62	−17 47.5	1.838	2.788	9.0	19.7
6 10	14 38.82	−17 10.1	1.896	2.778	12.6	19.9

121903 2000 DZ_{50} 5 9.4 164°.88 1°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 37.88	−22 13.6	1.653	2.454	17.0	20.4
4 11	15 32.98	−22 15.0	1.571	2.459	13.6	20.2
4 21	15 25.17	−22 4.4	1.509	2.463	9.4	20.0
5 1	15 15.14	−21 41.6	1.472	2.466	4.8	19.7
5 11	15 4.07	−21 8.6	1.460	2.469	1.6	19.5
5 21	14 53.27	−20 29.4	1.476	2.471	5.6	19.8
5 31	14 43.98	−19 49.9	1.518	2.473	10.1	20.0
6 10	14 37.13	−19 15.9	1.583	2.474	14.1	20.3

60449 2000 CA_{92} 5 9.4 155°.53 0°.5/ 9.7 18

4 1	15 31.50	−20 0.1	2.107	2.910	13.8	18.7
4 11	15 27.34	−19 53.2	2.021	2.911	10.9	18.5
4 21	15 21.03	−19 37.8	1.956	2.912	7.4	18.3
5 1	15 13.12	−19 14.7	1.916	2.913	3.6	18.1
5 11	15 4.47	−18 46.2	1.905	2.914	0.7	17.8
5 21	14 56.00	−18 15.6	1.921	2.915	4.6	18.1
5 31	14 48.59	−17 46.6	1.964	2.916	8.4	18.4
6 10	14 42.94	−17 23.1	2.031	2.916	11.7	18.6

417641 2006 XW_{45} 5 9.4 112°.74 2°.3/10.9 17

4 1	15 36.38	−25 30.0	1.976	2.759	15.3	21.8
4 11	15 31.19	−25 28.5	1.903	2.777	12.2	21.6
4 21	15 23.58	−25 14.1	1.851	2.796	8.6	21.5
5 1	15 14.27	−24 46.6	1.824	2.813	4.8	21.3
5 11	15 4.27	−24 7.9	1.825	2.831	2.3	21.1
5 21	14 54.65	−23 21.9	1.854	2.847	4.8	21.3
5 31	14 46.40	−22 33.8	1.910	2.863	8.4	21.6
6 10	14 40.21	−21 49.2	1.990	2.879	11.8	21.8

9396 Yamaneakisato 5 9.4 262°.91 0°.5/ 9.8 18

4 1	15 30.24	−20 19.9	2.484	3.279	12.2	18.8
4 11	15 26.16	−20 12.5	2.378	3.264	9.6	18.6
4 21	15 20.17	−19 57.2	2.295	3.249	6.6	18.4
5 1	15 12.74	−19 34.8	2.238	3.234	3.2	18.1
5 11	15 4.55	−19 7.0	2.209	3.219	0.7	17.9
5 21	14 56.40	−18 36.6	2.209	3.203	4.1	18.1
5 31	14 49.07	−18 6.9	2.237	3.187	7.6	18.3
6 10	14 43.23	−17 41.4	2.290	3.171	10.7	18.5

369696 2012 CO_{15} 5 9.4 14°.25 2°.5/ 8.1 17

4 1	15 28.88	−14 35.4	1.214	2.066	19.0	20.3
4 11	15 26.56	−14 3.9	1.150	2.070	14.8	20.0
4 21	15 21.11	−13 23.8	1.103	2.074	9.9	19.7
5 1	15 13.31	−12 39.4	1.079	2.079	4.8	19.5
5 11	15 4.46	−11 56.8	1.078	2.085	3.0	19.4
5 21	14 55.98	−11 22.2	1.100	2.092	7.7	19.7
5 31	14 49.20	−11 1.1	1.145	2.100	12.6	20.0
6 10	14 45.04	−10 56.5	1.210	2.109	17.0	20.2

65090 2002 BT_{30} 5 9.4 317°.59 2°.2/ 8.5 18

4 1	15 36.26	−10 35.8	1.662	2.483	16.1	19.1
4 11	15 31.71	−10 55.1	1.574	2.476	12.7	18.9
4 21	15 24.37	−11 14.8	1.507	2.469	8.7	18.6
5 1	15 14.84	−11 36.7	1.464	2.462	4.3	18.4
5 11	15 4.15	−12 2.2	1.448	2.455	2.5	18.2
5 21	14 53.52	−12 32.7	1.459	2.449	6.5	18.5
5 31	14 44.19	−13 9.4	1.496	2.442	10.9	18.7
6 10	14 37.10	−13 53.2	1.556	2.437	14.9	18.9

39739 1997 AQ_2 5 9.4 178°.49 4°.5/12.7 18

4 1	15 35.15	−31 51.2	2.274	3.027	14.4	19.1
4 11	15 30.31	−32 9.7	2.181	3.028	11.9	18.9
4 21	15 23.10	−32 13.8	2.109	3.029	9.1	18.7
5 1	15 14.13	−32 1.4	2.061	3.030	6.3	18.6
5 11	15 4.30	−31 32.6	2.040	3.030	4.6	18.5
5 21	14 54.65	−30 49.7	2.046	3.030	5.5	18.5
5 31	14 46.15	−29 57.5	2.080	3.029	8.2	18.7
6 10	14 39.58	−29 2.0	2.139	3.028	11.1	18.8

401322 2013 AH_{22} 5 9.4 202°.28 5°.0/ 4.9 18

4 1	15 28.57	− 1 46.3	2.682	3.492	11.0	21.2
4 11	15 24.46	− 0 57.2	2.600	3.490	8.8	21.1
4 21	15 18.79	− 0 10.4	2.543	3.487	6.6	20.9
5 1	15 12.01	+ 0 30.1	2.512	3.484	5.2	20.8
5 11	15 4.73	+ 1 0.7	2.510	3.480	5.4	20.8
5 21	14 57.58	+ 1 18.6	2.535	3.477	7.1	20.9
5 31	14 51.19	+ 1 22.2	2.585	3.473	9.4	21.1
6 10	14 46.07	+ 1 11.3	2.659	3.469	11.6	21.2

370098 2001 TX_{26} 5 9.4 224°.32 2°.3/11.0 17

4 1	15 35.27	−25 40.9	2.351	3.124	13.4	22.7
4 11	15 30.30	−25 43.7	2.244	3.112	10.9	22.5
4 21	15 23.08	−25 35.4	2.158	3.099	7.8	22.3
5 1	15 14.15	−25 15.0	2.098	3.086	4.5	22.1
5 11	15 4.31	−24 43.6	2.067	3.072	2.3	21.9
5 21	14 54.51	−24 3.7	2.064	3.057	4.5	22.0
5 31	14 45.69	−23 19.6	2.090	3.041	8.0	22.2
6 10	14 38.63	−22 36.2	2.140	3.024	11.3	22.4

326003 2010 WU_{20} 5 9.4 313°.49 2°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.27	−12 59.0	1.474	2.307	17.2	20.9
4 11	15 29.74	−12 57.2	1.388	2.297	13.6	20.6
4 21	15 23.23	−12 51.5	1.322	2.287	9.2	20.3
5 1	15 14.37	−12 44.3	1.279	2.278	4.5	20.0
5 11	15 4.27	−12 38.7	1.261	2.269	2.5	19.9
5 21	14 54.23	−12 38.1	1.269	2.260	7.0	20.1
5 31	14 45.60	−12 45.8	1.301	2.252	11.8	20.4
6 10	14 39.40	−13 4.3	1.354	2.244	16.1	20.6

157642 2005 XU_{84} 5 9.4 161°.21 0°.6/ 8.9 17

4 1	15 34.12	−16 37.2	2.263	3.063	13.1	21.1
4 11	15 29.14	−16 26.0	2.178	3.069	10.2	20.9
4 21	15 22.11	−16 8.9	2.116	3.074	6.8	20.7
5 1	15 13.61	−15 47.2	2.081	3.079	3.2	20.4
5 11	15 4.44	−15 23.5	2.074	3.083	1.0	20.3
5 21	14 55.46	−15 0.4	2.096	3.086	4.7	20.6
5 31	14 47.51	−14 41.3	2.145	3.089	8.2	20.8
6 10	14 41.25	−14 29.0	2.219	3.092	11.4	21.0

283600 2001 YJ_{110} 5 9.4 173°.86 4°.8/ 4.9 18

4 1	15 30.64	+ 1 5.3	3.221	4.016	9.7	21.2
4 11	15 25.73	+ 1 39.6	3.142	4.019	7.8	21.1
4 21	15 19.48	+ 2 9.8	3.089	4.021	6.1	20.9
5 1	15 12.30	+ 2 33.1	3.062	4.024	4.9	20.9
5 11	15 4.72	+ 2 46.6	3.065	4.025	5.1	20.9
5 21	14 57.29	+ 2 48.6	3.096	4.026	6.5	21.0
5 31	14 50.52	+ 2 38.4	3.154	4.027	8.3	21.1
6 10	14 44.85	+ 2 16.2	3.236	4.027	10.1	21.2

276943 2004 TK_{241} 5 9.4 265°.22 5°.2/11.8 18

4 1	15 37.54	−29 6.1	1.962	2.732	15.8	20.5
4 11	15 32.82	−30 3.9	1.862	2.721	13.2	20.3
4 21	15 25.24	−30 50.9	1.782	2.711	10.1	20.1
5 1	15 15.33	−31 23.3	1.727	2.700	6.9	19.9
5 11	15 4.10	−31 38.8	1.698	2.689	5.2	19.7
5 21	14 52.76	−31 37.6	1.695	2.678	6.5	19.8
5 31	14 42.61	−31 23.1	1.719	2.667	9.7	19.9
6 10	14 34.71	−31 1.0	1.767	2.656	13.0	20.1

504563 2008 SF_{305} 5 9.4 159°.11 1°.5/10.4 17

4 1	15 32.03	−23 15.8	2.053	2.848	14.4	22.1
4 11	15 27.88	−23 7.9	1.965	2.850	11.4	21.9
4 21	15 21.46	−22 48.8	1.900	2.851	8.0	21.7
5 1	15 13.37	−22 18.7	1.859	2.853	4.2	21.5
5 11	15 4.51	−21 39.9	1.846	2.854	1.5	21.3
5 21	14 55.84	−20 56.0	1.860	2.855	4.6	21.5
5 31	14 48.31	−20 11.7	1.902	2.856	8.4	21.8
6 10	14 42.64	−19 32.0	1.967	2.857	11.8	22.0

1159 Granada 5 9.4 295°.53 8°.9/13.4 18

4 1	15 38.16	−35 38.1	1.584	2.345	19.4	15.4
4 11	15 34.27	−36 58.2	1.496	2.339	16.7	15.2
4 21	15 26.76	−38 1.4	1.425	2.332	13.6	14.9
5 1	15 16.22	−38 40.9	1.375	2.326	10.7	14.8
5 11	15 3.92	−38 51.8	1.349	2.320	9.0	14.6
5 21	14 51.56	−38 33.7	1.346	2.314	9.6	14.6
5 31	14 40.89	−37 51.9	1.367	2.308	12.2	14.8
6 10	14 33.27	−36 56.1	1.409	2.302	15.4	15.0

491579 2012 RE_{35} 5 9.4 234°.83 1°.5/10.4 17

4 1	15 32.26	−23 6.2	2.224	3.014	13.6	22.1
4 11	15 27.98	−23 5.1	2.125	3.006	10.8	21.9
4 21	15 21.53	−22 53.9	2.048	2.998	7.6	21.7
5 1	15 13.42	−22 32.6	1.997	2.990	4.0	21.4
5 11	15 4.49	−22 2.9	1.974	2.982	1.5	21.3
5 21	14 55.65	−21 27.4	1.978	2.973	4.5	21.4
5 31	14 47.80	−20 50.5	2.010	2.964	8.1	21.6
6 10	14 41.70	−20 16.6	2.067	2.955	11.4	21.8

151068 2001 VJ_{36} 5 9.4 200°.18 0°.8/ 9.9 18

4 1	15 33.37	−21 8.5	2.009	2.808	14.5	20.8
4 11	15 28.98	−20 59.7	1.918	2.806	11.5	20.6
4 21	15 22.25	−20 40.9	1.849	2.804	7.9	20.3
5 1	15 13.77	−20 12.7	1.805	2.801	3.9	20.1
5 11	15 4.43	−19 37.4	1.789	2.798	0.9	19.8
5 21	14 55.25	−18 58.5	1.800	2.795	4.8	20.1
5 31	14 47.21	−18 20.8	1.838	2.791	8.8	20.3
6 10	14 41.09	−17 48.8	1.901	2.787	12.4	20.6

165217 2000 SB_{37} 5 9.4 189°.10 0°.7/ 8.9 18

4 1	15 36.58	−16 55.9	1.909	2.714	15.0	20.9
4 11	15 31.55	−16 43.5	1.821	2.714	11.7	20.7
4 21	15 24.01	−16 23.7	1.754	2.712	7.9	20.4
5 1	15 14.61	−15 58.0	1.712	2.710	3.7	20.2
5 11	15 4.29	−15 29.2	1.699	2.708	1.1	20.0
5 21	14 54.13	−15 0.9	1.713	2.704	5.4	20.3
5 31	14 45.20	−14 37.2	1.754	2.700	9.6	20.5
6 10	14 38.31	−14 21.8	1.819	2.696	13.3	20.7

300065 2006 UJ_{196} 5 9.4 155°.41 0°.7/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.06	−18 20.6	2.601	3.400	11.6	21.2
4 11	15 24.94	−17 37.8	2.514	3.405	9.0	21.1
4 21	15 19.16	−16 47.1	2.451	3.409	6.0	20.9
5 1	15 12.21	−15 50.8	2.415	3.413	2.7	20.7
5 11	15 4.76	−14 52.3	2.408	3.417	1.0	20.5
5 21	14 57.50	−13 55.3	2.430	3.420	4.2	20.8
5 31	14 51.09	−13 3.8	2.481	3.423	7.4	21.0
6 10	14 46.07	−12 20.9	2.557	3.426	10.2	21.2

321190 2008 XF_{16} 5 9.4 281°.52 1°.5/ 8.5 17

4 1	15 30.76	−15 8.3	1.959	2.777	14.1	21.1
4 11	15 26.96	−14 46.8	1.868	2.769	11.1	20.9
4 21	15 20.91	−14 19.1	1.799	2.761	7.5	20.6
5 1	15 13.16	−13 47.3	1.755	2.754	3.5	20.4
5 11	15 4.56	−13 14.9	1.739	2.746	1.8	20.2
5 21	14 56.08	−12 45.6	1.749	2.738	5.6	20.5
5 31	14 48.66	−12 23.3	1.786	2.731	9.5	20.7
6 10	14 43.06	−12 11.0	1.845	2.723	13.1	20.9

16415 1987 QE_7 5 9.4 228°.42 3°.5/ 6.5 18

4 1	15 30.91	−10 45.0	2.210	3.025	12.8	18.6
4 11	15 26.75	− 9 41.7	2.115	3.015	10.0	18.4
4 21	15 20.59	− 8 33.0	2.045	3.004	6.9	18.2
5 1	15 12.95	− 7 23.2	2.001	2.993	4.1	18.0
5 11	15 4.61	− 6 17.3	1.985	2.981	3.9	17.9
5 21	14 56.37	− 5 20.4	1.997	2.969	6.7	18.1
5 31	14 49.07	− 4 36.6	2.037	2.956	10.0	18.2
6 10	14 43.36	− 4 8.6	2.099	2.943	13.0	18.4

350006 2010 GR_{147} 5 9.4 332°.84 2°.1/ 7.2 18

4 1	15 26.06	− 6 55.0	4.085	4.885	7.7	20.6
4 11	15 22.01	− 6 53.4	3.992	4.882	6.0	20.5
4 21	15 16.93	− 6 52.7	3.926	4.879	4.2	20.4
5 1	15 11.12	− 6 54.0	3.887	4.876	2.5	20.3
5 11	15 4.97	− 6 58.9	3.879	4.874	2.3	20.2
5 21	14 58.89	− 7 8.1	3.900	4.871	3.7	20.3
5 31	14 53.27	− 7 22.6	3.950	4.869	5.6	20.5
6 10	14 48.45	− 7 42.8	4.026	4.866	7.4	20.6

419618 2010 RE_{175} 5 9.4 154°.64 2°.4/10.7 17

4 1	15 37.21	−23 33.2	1.808	2.601	16.1	21.6
4 11	15 32.31	−23 54.5	1.725	2.606	12.9	21.4
4 21	15 24.67	−24 5.0	1.662	2.610	9.1	21.2
5 1	15 14.95	−24 3.6	1.623	2.614	5.1	21.0
5 11	15 4.23	−23 50.8	1.611	2.618	2.4	20.8
5 21	14 53.70	−23 29.3	1.627	2.621	5.3	21.0
5 31	14 44.55	−23 3.6	1.669	2.624	9.4	21.2
6 10	14 37.66	−22 39.2	1.734	2.626	13.1	21.5

175912 2000 AU_{251} 5 9.4 162°.61 1°.3/ 8.6 17

4 1	15 35.19	−15 29.2	2.000	2.806	14.3	21.5
4 11	15 30.23	−15 7.0	1.917	2.812	11.2	21.3
4 21	15 22.98	−14 38.4	1.858	2.817	7.5	21.0
5 1	15 14.07	−14 5.6	1.824	2.822	3.5	20.8
5 11	15 4.41	−13 31.9	1.818	2.826	1.7	20.7
5 21	14 54.98	−13 1.0	1.840	2.829	5.4	20.9
5 31	14 46.73	−12 36.7	1.889	2.831	9.3	21.2
6 10	14 40.38	−12 22.0	1.962	2.833	12.7	21.4

34014 Pingali 5 9.4 293°.39 1°.4/ 8.5 18

4 1	15 30.91	−16 5.0	1.692	2.517	15.7	19.1
4 11	15 27.51	−15 39.3	1.601	2.506	12.3	18.9
4 21	15 21.51	−15 5.0	1.531	2.495	8.3	18.6
5 1	15 13.52	−14 24.8	1.485	2.484	3.9	18.3
5 11	15 4.50	−13 42.5	1.465	2.473	1.9	18.1
5 21	14 55.57	−13 3.2	1.471	2.462	6.2	18.4
5 31	14 47.87	−12 31.9	1.503	2.452	10.7	18.6
6 10	14 42.26	−12 12.5	1.556	2.441	14.7	18.8

135158 2001 QQ_{232} 5 9.4 156°.33 0°.4/ 8.9 18

4 1	15 30.50	−17 42.7	2.797	3.591	11.0	21.1
4 11	15 25.93	−17 19.4	2.710	3.598	8.5	20.9
4 21	15 19.77	−16 50.0	2.648	3.604	5.7	20.8
5 1	15 12.49	−16 16.1	2.613	3.610	2.6	20.6
5 11	15 4.72	−15 40.0	2.607	3.616	0.8	20.4
5 21	14 57.13	−15 4.6	2.631	3.621	3.9	20.7
5 31	14 50.34	−14 32.8	2.683	3.626	6.9	20.9
6 10	14 44.86	−14 7.2	2.761	3.630	9.5	21.0

483581 2004 FX_4 5 9.4 322°.59 8°.1/ 9.4 18

4 1	15 49.80	−20 20.2	0.966	1.794	24.6	19.9
4 11	15 45.68	−23 13.3	0.885	1.784	20.3	19.6
4 21	15 36.15	−26 17.3	0.822	1.775	15.3	19.3
5 1	15 21.38	−29 19.9	0.780	1.766	10.2	18.9
5 11	15 2.85	−32 3.8	0.762	1.758	8.2	18.8
5 21	14 43.27	−34 14.0	0.767	1.751	11.8	19.0
5 31	14 25.94	−35 46.4	0.794	1.744	17.3	19.2
6 10	14 13.44	−36 49.3	0.839	1.738	22.5	19.5

9418 Mayumi 5 9.4 225°.39 0°.1/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.78	−18 48.4	1.767	2.573	15.9	20.4
4 11	15 32.09	−18 33.3	1.670	2.563	12.6	20.1
4 21	15 24.64	−18 8.3	1.593	2.551	8.6	19.8
5 1	15 15.01	−17 34.3	1.541	2.539	4.1	19.5
5 11	15 4.22	−16 54.3	1.517	2.526	0.9	19.3
5 21	14 53.50	−16 12.5	1.519	2.512	5.8	19.6
5 31	14 44.04	−15 34.4	1.549	2.498	10.4	19.8
6 10	14 36.79	−15 5.2	1.601	2.483	14.5	20.0

335178 2005 AX_{64} 5 9.4 114°.53 0°.3/ 9.9 18

4 1	15 22.78	−20 27.7	4.520	5.303	7.3	21.1
4 11	15 19.45	−20 16.1	4.426	5.306	5.7	21.0
4 21	15 15.21	−20 0.1	4.357	5.309	3.8	20.9
5 1	15 10.32	−19 40.3	4.316	5.312	1.9	20.7
5 11	15 5.15	−19 18.1	4.305	5.315	0.4	20.6
5 21	15 0.05	−18 54.8	4.324	5.317	2.3	20.8
5 31	14 55.39	−18 32.0	4.372	5.320	4.3	20.9
6 10	14 51.47	−18 11.4	4.447	5.323	6.0	21.0

101656 1999 CC_{73} 5 9.4 89°.36 1°.1/ 8.7 18

4 1	15 35.18	−17 39.5	1.835	2.644	15.3	19.4
4 11	15 30.13	−16 58.8	1.776	2.671	11.8	19.2
4 21	15 22.78	−16 9.3	1.738	2.698	7.9	19.0
5 1	15 13.89	−15 14.0	1.726	2.725	3.6	18.8
5 11	15 4.49	−14 17.6	1.742	2.751	1.5	18.7
5 21	14 55.57	−13 25.1	1.786	2.776	5.4	19.0
5 31	14 48.06	−12 41.2	1.857	2.801	9.3	19.3
6 10	14 42.56	−12 9.1	1.951	2.825	12.6	19.6

374333 2005 TJ_{128} 5 9.4 31°.52 4°.9/11.4 17

4 1	15 37.34	−26 12.9	1.541	2.338	18.3	20.5
4 11	15 33.06	−27 17.8	1.464	2.344	14.9	20.3
4 21	15 25.56	−28 11.4	1.407	2.350	11.0	20.1
5 1	15 15.51	−28 49.6	1.373	2.356	7.1	19.9
5 11	15 4.15	−29 10.3	1.364	2.363	4.9	19.8
5 21	14 52.96	−29 14.4	1.381	2.370	6.8	19.9
5 31	14 43.41	−29 6.1	1.422	2.377	10.6	20.1
6 10	14 36.55	−28 52.1	1.485	2.385	14.3	20.4

54274 2000 JK_{42} 5 9.4 297°.00 0°.4/ 9.6 18

4 1	15 32.51	−19 0.3	1.628	2.447	16.5	19.7
4 11	15 29.07	−19 4.9	1.531	2.431	13.1	19.4
4 21	15 22.79	−19 0.7	1.454	2.414	9.0	19.1
5 1	15 14.23	−18 48.1	1.400	2.398	4.4	18.8
5 11	15 4.39	−18 29.0	1.372	2.382	0.8	18.5
5 21	14 54.51	−18 6.8	1.370	2.366	5.8	18.8
5 31	14 45.89	−17 46.2	1.393	2.350	10.6	19.0
6 10	14 39.55	−17 32.1	1.438	2.334	15.0	19.3

432869 2011 JS_{6} 5 9.4 281°.53 3°.2/ 7.1 17

4 1	15 29.52	−12 27.7	1.876	2.702	14.4	21.0
4 11	15 26.10	−11 33.5	1.783	2.689	11.2	20.8
4 21	15 20.40	−10 32.3	1.713	2.676	7.7	20.6
5 1	15 12.97	− 9 28.2	1.667	2.663	4.2	20.3
5 11	15 4.66	− 8 26.8	1.648	2.649	3.6	20.2
5 21	14 56.46	− 7 33.5	1.656	2.636	7.0	20.4
5 31	14 49.32	− 6 53.4	1.690	2.623	10.8	20.6
6 10	14 44.01	− 6 29.4	1.746	2.610	14.3	20.8

117034 2004 JH_{23} 5 9.4 355°.10 0°.9/10.0 17

4 1	15 30.08	−21 21.8	2.152	2.953	13.6	20.4
4 11	15 26.26	−21 14.5	2.064	2.953	10.8	20.2
4 21	15 20.35	−20 57.9	1.997	2.952	7.4	20.0
5 1	15 12.89	−20 32.6	1.956	2.952	3.7	19.8
5 11	15 4.69	−20 0.9	1.942	2.952	1.0	19.5
5 21	14 56.66	−19 25.9	1.956	2.951	4.4	19.8
5 31	14 49.65	−18 51.8	1.997	2.951	8.1	20.0
6 10	14 44.35	−18 22.5	2.063	2.952	11.4	20.2

376263 2011 FR_{18} 5 9.4 73°.32 3°.1/ 7.3 17

4 1	15 30.53	−12 23.5	1.796	2.622	14.9	21.2
4 11	15 26.80	−11 33.5	1.721	2.627	11.6	21.0
4 21	15 20.77	−10 37.7	1.668	2.632	7.8	20.8
5 1	15 13.08	− 9 40.5	1.641	2.637	4.2	20.6
5 11	15 4.67	− 8 47.2	1.640	2.641	3.5	20.5
5 21	14 56.53	− 8 2.9	1.665	2.646	6.8	20.7
5 31	14 49.60	− 7 31.8	1.716	2.651	10.6	21.0
6 10	14 44.58	− 7 16.1	1.790	2.656	13.9	21.2

338721 2003 UX_{87} 5 9.4 215°.01 0°.3/ 9.2 18

4 1	15 32.45	−17 41.0	2.236	3.038	13.1	21.6
4 11	15 28.02	−17 32.3	2.142	3.033	10.3	21.4
4 21	15 21.50	−17 17.0	2.071	3.028	7.0	21.2
5 1	15 13.43	−16 56.2	2.025	3.023	3.2	21.0
5 11	15 4.59	−16 32.0	2.008	3.018	0.8	20.7
5 21	14 55.87	−16 7.6	2.020	3.012	4.6	21.0
5 31	14 48.11	−15 46.1	2.059	3.006	8.3	21.2
6 10	14 42.02	−15 30.9	2.122	3.000	11.6	21.4

161683 2006 GY_{42} 5 9.4 338°.08 6°.3/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.05	− 1 44.5	1.712	2.538	15.5	19.6
4 11	15 28.95	− 1 23.2	1.633	2.532	12.5	19.4
4 21	15 22.36	− 1 7.4	1.575	2.526	9.3	19.2
5 1	15 13.90	− 1 2.0	1.541	2.521	6.8	19.1
5 11	15 4.52	− 1 11.3	1.533	2.517	6.7	19.0
5 21	14 55.31	− 1 37.6	1.550	2.512	9.1	19.2
5 31	14 47.33	− 2 21.3	1.591	2.508	12.4	19.3
6 10	14 41.37	− 3 21.1	1.654	2.505	15.6	19.5

358986 2008 SM_{155} 5 9.4 168°.69 0°.8/ 9.8 18

4 1	15 39.23	−19 55.3	1.715	2.516	16.5	21.7
4 11	15 33.97	−20 3.6	1.632	2.521	13.1	21.4
4 21	15 25.85	−20 2.7	1.569	2.524	9.0	21.2
5 1	15 15.56	−19 52.7	1.531	2.527	4.4	20.9
5 11	15 4.21	−19 35.2	1.520	2.530	1.0	20.7
5 21	14 53.09	−19 13.2	1.537	2.531	5.5	21.0
5 31	14 43.41	−18 51.5	1.580	2.532	10.0	21.3
6 10	14 36.10	−18 34.7	1.646	2.532	13.9	21.5

139991 2001 SU_{35} 5 9.4 182°.94 2°.1/10.8 18

4 1	15 33.60	−23 49.6	2.438	3.218	12.8	20.4
4 11	15 28.83	−24 10.1	2.344	3.218	10.3	20.2
4 21	15 22.02	−24 22.2	2.274	3.218	7.3	20.1
5 1	15 13.68	−24 25.2	2.229	3.218	4.1	19.9
5 11	15 4.57	−24 19.5	2.212	3.217	2.1	19.7
5 21	14 55.57	−24 6.9	2.224	3.217	4.2	19.9
5 31	14 47.51	−23 50.4	2.264	3.216	7.4	20.0
6 10	14 41.07	−23 33.7	2.329	3.215	10.4	20.2

12280 Reims 5 9.4 210°.61 1°.5/ 8.3 18

4 1	15 31.33	−15 11.6	2.149	2.960	13.3	18.2
4 11	15 27.17	−14 42.7	2.059	2.957	10.4	18.0
4 21	15 20.93	−14 7.6	1.992	2.953	7.0	17.8
5 1	15 13.16	−13 28.5	1.952	2.950	3.3	17.5
5 11	15 4.68	−12 48.9	1.938	2.946	1.8	17.4
5 21	14 56.33	−12 12.7	1.953	2.941	5.3	17.6
5 31	14 48.99	−11 43.5	1.995	2.937	8.9	17.8
6 10	14 43.33	−11 24.3	2.061	2.932	12.2	18.0

393824 2005 SX_{62} 5 9.4 145°.07 1°.7/10.8 18

4 1	15 31.67	−23 44.7	2.798	3.574	11.4	21.8
4 11	15 26.98	−23 53.4	2.709	3.581	9.1	21.6
4 21	15 20.58	−23 54.0	2.643	3.587	6.4	21.5
5 1	15 12.93	−23 46.5	2.603	3.593	3.5	21.3
5 11	15 4.72	−23 31.9	2.593	3.599	1.7	21.2
5 21	14 56.65	−23 12.0	2.612	3.605	3.7	21.3
5 31	14 49.41	−22 49.7	2.659	3.610	6.5	21.5
6 10	14 43.56	−22 28.2	2.732	3.615	9.1	21.7

115134 2003 SW_{55} 5 9.4 99°.99 4°.3/11.9 17

4 1	15 35.39	−28 41.0	1.565	2.357	18.2	19.8
4 11	15 31.40	−28 56.8	1.486	2.362	14.9	19.6
4 21	15 24.32	−28 55.3	1.427	2.368	11.0	19.3
5 1	15 14.89	−28 34.4	1.389	2.373	6.9	19.1
5 11	15 4.35	−27 54.8	1.377	2.378	4.3	19.0
5 21	14 54.11	−27 0.8	1.390	2.383	6.3	19.1
5 31	14 45.52	−25 59.6	1.429	2.388	10.2	19.3
6 10	14 39.53	−24 59.5	1.490	2.393	14.1	19.6

295115 2008 FS_{7} 5 9.4 323°.54 7°.8/ 2.9 17

4 1	15 25.31	− 1 17.3	1.817	2.655	14.3	20.0
4 11	15 22.93	+ 0 10.8	1.725	2.629	11.7	19.8
4 21	15 18.34	+ 1 39.3	1.655	2.603	9.2	19.6
5 1	15 12.06	+ 3 0.3	1.610	2.578	7.8	19.4
5 11	15 4.87	+ 4 6.2	1.589	2.553	8.5	19.4
5 21	14 57.70	+ 4 50.8	1.593	2.530	10.9	19.5
5 31	14 51.49	+ 5 10.1	1.619	2.507	14.0	19.6
6 10	14 47.03	+ 5 3.6	1.664	2.484	16.9	19.8

138680 2000 SN_{31} 5 9.4 254°.96 0°.3/ 9.7 18

4 1	15 30.30	−19 56.5	2.443	3.240	12.3	20.8
4 11	15 26.24	−19 45.1	2.341	3.228	9.7	20.6
4 21	15 20.27	−19 25.9	2.261	3.216	6.6	20.4
5 1	15 12.86	−18 59.7	2.208	3.205	3.2	20.2
5 11	15 4.73	−18 28.5	2.183	3.192	0.6	19.9
5 21	14 56.66	−17 55.1	2.186	3.180	4.2	20.2
5 31	14 49.44	−17 23.3	2.218	3.168	7.7	20.4
6 10	14 43.72	−16 56.4	2.274	3.155	10.8	20.6

87254 2000 OY_{52} 5 9.4 168°.39 1°.2/ 8.5 18 R

4 1	15 33.13	−15 24.5	2.348	3.149	12.6	20.2
4 11	15 28.31	−14 59.5	2.262	3.154	9.8	20.0
4 21	15 21.55	−14 28.8	2.199	3.158	6.6	19.8
5 1	15 13.41	−13 54.5	2.163	3.161	3.1	19.6
5 11	15 4.65	−13 19.5	2.156	3.164	1.6	19.5
5 21	14 56.07	−12 47.1	2.178	3.166	4.8	19.7
5 31	14 48.46	−12 20.6	2.228	3.167	8.2	19.9
6 10	14 42.44	−12 2.7	2.302	3.168	11.3	20.1

156354 2001 XO_{205} 5 9.4 87.°48 2.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.55	−12 56.5	1.814	2.633	15.0	20.5
4 11	15 28.96	−12 17.8	1.751	2.653	11.6	20.3
4 21	15 22.09	−11 34.3	1.710	2.672	7.8	20.2
5 1	15 13.65	−10 49.5	1.695	2.692	4.0	20.0
5 11	15 4.61	−10 8.1	1.707	2.711	3.0	19.9
5 21	14 55.98	− 9 34.2	1.746	2.730	6.3	20.2
5 31	14 48.66	− 9 11.4	1.811	2.748	10.0	20.4
6 10	14 43.31	− 9 1.7	1.899	2.766	13.2	20.7

207996 1998 GD_{10} 5 9.4 6.°16 8.°4/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.38	+ 3 3.5	1.557	2.388	16.6	18.8
4 11	15 27.74	+ 3 26.0	1.493	2.389	13.7	18.6
4 21	15 21.55	+ 3 37.6	1.449	2.391	10.8	18.5
5 1	15 13.50	+ 3 32.5	1.427	2.395	8.7	18.4
5 11	15 4.63	+ 3 6.3	1.429	2.399	8.7	18.4
5 21	14 56.07	+ 2 17.8	1.456	2.405	10.7	18.5
5 31	14 48.87	+ 1 8.4	1.505	2.412	13.7	18.7
6 10	14 43.80	− 0 18.5	1.575	2.420	16.6	18.9

430214 2013 UG_{12} 5 9.4 217.°96 3.°0/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.05	−11 8.1	2.271	3.082	12.7	21.5
4 11	15 27.60	−10 20.3	2.176	3.073	9.9	21.3
4 21	15 21.17	− 9 28.0	2.105	3.064	6.8	21.1
5 1	15 13.28	− 8 34.7	2.061	3.054	3.8	20.9
5 11	15 4.67	− 7 44.6	2.045	3.044	3.4	20.8
5 21	14 56.17	− 7 1.9	2.058	3.033	6.2	21.0
5 31	14 48.59	− 6 30.3	2.097	3.022	9.5	21.1
6 10	14 42.59	− 6 12.0	2.160	3.009	12.5	21.3

221003 2005 NH_{93} 5 9.4 270.°26 0.°3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.65	−19 38.1	1.746	2.562	15.7	20.8
4 11	15 28.11	−19 7.0	1.649	2.547	12.4	20.6
4 21	15 21.97	−18 23.6	1.572	2.533	8.5	20.3
5 1	15 13.79	−17 29.8	1.520	2.518	4.0	20.0
5 11	15 4.56	−16 29.3	1.494	2.504	0.9	19.7
5 21	14 55.40	−15 27.8	1.495	2.489	5.7	20.0
5 31	14 47.44	−14 31.6	1.522	2.474	10.3	20.2
6 10	14 41.59	−13 46.4	1.571	2.458	14.4	20.4

193588 2001 BE_{40} 5 9.4 345.°07 4.°5/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.76	− 6 53.8	1.557	2.393	16.3	18.7
4 11	15 28.26	− 6 42.2	1.477	2.386	12.9	18.5
4 21	15 22.08	− 6 32.3	1.418	2.380	9.1	18.3
5 1	15 13.83	− 6 27.9	1.382	2.374	5.5	18.0
5 11	15 4.56	− 6 33.2	1.371	2.370	4.9	18.0
5 21	14 55.44	− 6 50.7	1.386	2.366	8.0	18.1
5 31	14 47.63	− 7 22.0	1.424	2.362	12.1	18.4
6 10	14 42.01	− 8 7.0	1.484	2.360	15.8	18.6

306731 2000 WG_{164} 5 9.4 186.°92 6.°1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.78	−37 11.7	1.254	2.029	22.8	20.3
4 11	15 35.04	−36 31.5	1.170	2.030	19.2	20.1
4 21	15 27.22	−35 14.6	1.102	2.029	14.9	19.8
5 1	15 16.33	−33 16.6	1.054	2.029	10.1	19.5
5 11	15 4.11	−30 40.6	1.031	2.028	6.4	19.3
5 21	14 52.52	−27 38.4	1.032	2.026	7.6	19.3
5 31	14 43.31	−24 28.7	1.059	2.024	12.3	19.6
6 10	14 37.54	−21 30.8	1.109	2.021	17.2	19.9

270690 2002 QF_{52} 5 9.4 66.°95 4.°5/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.04	− 9 46.8	1.528	2.364	16.6	20.5
4 11	15 28.34	− 8 53.0	1.460	2.369	13.0	20.3
4 21	15 22.00	− 7 55.5	1.412	2.375	9.0	20.0
5 1	15 13.73	− 6 59.6	1.388	2.381	5.4	19.8
5 11	15 4.62	− 6 11.8	1.389	2.387	5.0	19.8
5 21	14 55.84	− 5 37.4	1.416	2.393	8.3	20.0
5 31	14 48.49	− 5 20.3	1.467	2.399	12.2	20.3
6 10	14 43.35	− 5 21.8	1.539	2.405	15.8	20.5

409749 2006 DL_{61} 5 9.4 336.°92 4.°1/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.10	−13 33.4	1.123	1.986	19.4	20.2
4 11	15 24.85	−12 34.6	1.047	1.973	15.3	19.9
4 21	15 20.32	−11 23.9	0.990	1.962	10.4	19.6
5 1	15 13.18	−10 7.6	0.953	1.952	5.6	19.3
5 11	15 4.70	− 8 54.6	0.939	1.943	4.7	19.2
5 21	14 56.40	− 7 54.5	0.947	1.934	9.4	19.4
5 31	14 49.75	− 7 14.9	0.976	1.927	14.7	19.7
6 10	14 45.85	− 7 0.0	1.023	1.922	19.4	19.9

365169 2009 DP_{138} 5 9.4 161.°60 2.°4/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.47	−13 1.7	1.614	2.437	16.4	21.0
4 11	15 31.03	−12 40.5	1.536	2.440	12.9	20.7
4 21	15 23.86	−12 14.3	1.479	2.442	8.7	20.5
5 1	15 14.64	−11 46.0	1.446	2.444	4.3	20.2
5 11	15 4.45	−11 19.7	1.440	2.446	2.8	20.1
5 21	14 54.52	−10 59.5	1.460	2.447	6.8	20.4
5 31	14 46.00	−10 49.3	1.505	2.448	11.1	20.6
6 10	14 39.74	−10 51.5	1.572	2.449	15.0	20.9

380810 2005 YL_{50} 5 9.4 186.°49 11.°1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 40.81	−43 47.6	1.314	2.052	23.7	20.7
4 11	15 37.17	−44 15.8	1.233	2.053	20.9	20.4
4 21	15 29.04	−44 10.9	1.165	2.053	17.6	20.2
5 1	15 17.33	−43 23.7	1.116	2.052	14.1	20.0
5 11	15 3.94	−41 50.4	1.087	2.051	11.6	19.8
5 21	14 51.13	−39 35.4	1.081	2.050	11.3	19.8
5 31	14 40.94	−36 52.7	1.098	2.048	13.6	19.9
6 10	14 34.61	−34 1.2	1.137	2.045	17.1	20.1

330700 2008 KZ_{17} 5 9.4 41.°10 3.°2/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.94	−13 6.3	1.385	2.226	17.7	20.7
4 11	15 27.69	−12 22.4	1.325	2.239	13.7	20.4
4 21	15 21.62	−11 32.1	1.284	2.252	9.2	20.2
5 1	15 13.55	−10 40.1	1.267	2.265	4.7	20.0
5 11	15 4.67	− 9 52.6	1.275	2.279	3.6	20.0
5 21	14 56.23	− 9 15.3	1.307	2.293	7.5	20.2
5 31	14 49.38	− 8 52.8	1.363	2.308	11.9	20.5
6 10	14 44.88	− 8 47.1	1.440	2.324	15.7	20.8

202212 2004 XG_{109} 5 9.4 220.°52 1.°3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.45	−22 57.7	2.429	3.212	12.8	21.7
4 11	15 28.75	−22 52.2	2.325	3.202	10.2	21.5
4 21	15 22.00	−22 37.1	2.244	3.192	7.1	21.3
5 1	15 13.71	−22 12.5	2.189	3.182	3.7	21.1
5 11	15 4.63	−21 40.0	2.162	3.170	1.3	20.9
5 21	14 55.61	−21 2.3	2.165	3.159	4.2	21.1
5 31	14 47.51	−20 23.4	2.195	3.146	7.7	21.2
6 10	14 41.03	−19 47.3	2.251	3.133	10.9	21.4

475661 2006 VG_{9} 5 9.4 200.°27 0.°6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.96	−16 16.2	2.994	3.787	10.4	22.8
4 11	15 26.28	−16 4.2	2.896	3.782	8.1	22.7
4 21	15 20.06	−15 47.6	2.821	3.777	5.4	22.5
5 1	15 12.71	−15 27.6	2.775	3.772	2.5	22.3
5 11	15 4.82	−15 6.2	2.758	3.766	0.9	22.1
5 21	14 57.02	−14 45.3	2.770	3.760	3.8	22.3
5 31	14 49.92	−14 27.5	2.812	3.753	6.7	22.5
6 10	14 44.03	−14 14.9	2.880	3.746	9.2	22.7

32924 1995 GF_{6} 5 9.4 253.°05 2.°9/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.79	−12 12.7	1.893	2.714	14.4	19.2
4 11	15 27.87	−11 33.9	1.801	2.704	11.3	18.9
4 21	15 21.62	−10 49.7	1.731	2.693	7.7	18.7
5 1	15 13.59	−10 3.5	1.686	2.682	4.1	18.4
5 11	15 4.66	− 9 19.8	1.669	2.671	3.3	18.4
5 21	14 55.84	− 8 43.5	1.678	2.660	6.7	18.6
5 31	14 48.10	− 8 18.4	1.713	2.648	10.5	18.8
6 10	14 42.23	− 8 7.4	1.770	2.636	14.1	18.9

503849 1453 $T\text{-}_{2}$ 5 9.4 275.°12 1.°7/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.09	−22 38.0	1.763	2.564	16.1	22.2
4 11	15 31.14	−22 41.7	1.650	2.538	13.1	22.0
4 21	15 24.30	−22 33.8	1.558	2.511	9.2	21.7
5 1	15 15.05	−22 13.4	1.489	2.483	4.9	21.4
5 11	15 4.36	−21 41.5	1.446	2.455	1.7	21.1
5 21	14 53.47	−21 1.3	1.431	2.426	5.7	21.3
5 31	14 43.71	−20 18.3	1.441	2.397	10.4	21.5
6 10	14 36.19	−19 39.0	1.474	2.367	14.8	21.6

389273 2009 HX_{6} 5 9.4 337.°83 3.°2/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.83	− 9 1.5	1.890	2.716	14.3	20.1
4 11	15 27.09	− 8 53.8	1.804	2.708	11.2	19.8
4 21	15 21.08	− 8 45.9	1.738	2.700	7.7	19.6
5 1	15 13.34	− 8 40.5	1.698	2.693	4.3	19.4
5 11	15 4.73	− 8 40.8	1.685	2.686	3.5	19.3
5 21	14 56.22	− 8 49.1	1.698	2.680	6.6	19.5
5 31	14 48.78	− 9 7.4	1.736	2.674	10.2	19.7
6 10	14 43.17	− 9 36.6	1.798	2.669	13.6	19.9

405104 2002 AN_{68} 5 9.4 189.°67 1.°2/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.61	−22 15.0	1.796	2.594	16.0	22.3
4 11	15 31.87	−22 7.8	1.707	2.594	12.8	22.1
4 21	15 24.43	−21 48.6	1.639	2.593	8.9	21.8
5 1	15 14.94	−21 17.7	1.596	2.591	4.5	21.6
5 11	15 4.44	−20 37.3	1.579	2.588	1.3	21.3
5 21	14 54.13	−19 51.6	1.590	2.585	5.3	21.6
5 31	14 45.16	−19 6.1	1.628	2.582	9.6	21.8
6 10	14 38.42	−18 26.7	1.689	2.577	13.5	22.1

380468 2003 UG_{326} 5 9.4 136.°95 1.°8/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.55	−25 12.0	2.209	2.993	13.8	21.6
4 11	15 28.11	−24 56.0	2.124	3.001	11.1	21.4
4 21	15 21.55	−24 27.5	2.062	3.008	7.8	21.2
5 1	15 13.47	−23 47.1	2.024	3.015	4.3	21.0
5 11	15 4.73	−22 57.2	2.015	3.022	1.8	20.8
5 21	14 56.24	−22 1.6	2.034	3.029	4.3	21.0
5 31	14 48.87	−21 5.2	2.081	3.035	7.8	21.3
6 10	14 43.26	−20 13.3	2.152	3.041	11.0	21.5

335828 2007 LS_5 5 9.4 259°.72 5°.8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.36	− 2 10.8	2.139	2.952	13.3	21.4
4 11	15 28.82	− 1 32.4	2.042	2.934	10.7	21.2
4 21	15 22.15	− 0 56.5	1.968	2.915	8.1	21.0
5 1	15 13.83	− 0 27.8	1.920	2.896	6.1	20.8
5 11	15 4.65	− 0 10.8	1.898	2.876	6.2	20.8
5 21	14 55.49	− 0 8.8	1.904	2.857	8.4	20.9
5 31	14 47.25	− 0 23.5	1.935	2.836	11.4	21.0
6 10	14 40.66	− 0 55.1	1.988	2.816	14.3	21.1

156497 2002 CW_{129} 5 9.4 120°.84 2°.1/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.38	−14 11.9	2.028	2.841	13.9	20.7
4 11	15 27.94	−13 29.3	1.954	2.853	10.8	20.5
4 21	15 21.40	−12 40.6	1.903	2.864	7.2	20.3
5 1	15 13.38	−11 49.2	1.878	2.875	3.6	20.1
5 11	15 4.76	−10 59.4	1.881	2.886	2.5	20.0
5 21	14 56.42	−10 15.5	1.912	2.896	5.7	20.3
5 31	14 49.23	− 9 41.4	1.969	2.906	9.3	20.5
6 10	14 43.80	− 9 19.7	2.050	2.916	12.5	20.7

501912 2014 WU_{477} 5 9.4 116°.25 6°.5/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.40	− 1 53.6	2.005	2.823	13.9	22.2
4 11	15 27.83	− 0 38.9	1.945	2.838	11.1	22.0
4 21	15 21.25	+ 0 32.9	1.908	2.853	8.4	21.9
5 1	15 13.28	+ 1 35.7	1.897	2.867	6.7	21.8
5 11	15 4.78	+ 2 23.8	1.912	2.881	7.0	21.8
5 21	14 56.61	+ 2 53.5	1.954	2.894	9.1	22.0
5 31	14 49.58	+ 3 3.1	2.021	2.907	11.7	22.2
6 10	14 44.28	+ 2 53.2	2.109	2.920	14.1	22.3

375241 2008 GM_{11} 5 9.4 296°.49 1°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.25	−22 39.0	4.414	5.182	7.7	20.1
4 11	15 23.00	−22 58.4	4.314	5.181	6.1	20.0
4 21	15 17.67	−23 13.5	4.238	5.181	4.3	19.9
5 1	15 11.57	−23 24.0	4.191	5.180	2.4	19.7
5 11	15 5.09	−23 30.4	4.174	5.179	1.1	19.6
5 21	14 58.65	−23 33.6	4.187	5.179	2.5	19.8
5 31	14 52.65	−23 34.6	4.230	5.178	4.4	19.9
6 10	14 47.46	−23 35.0	4.300	5.177	6.2	20.0

392990 2012 XY_{83} 5 9.4 169°.82 3°.9/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.68	− 4 54.7	2.711	3.518	11.0	21.4
4 11	15 26.10	− 4 24.4	2.630	3.521	8.6	21.2
4 21	15 19.94	− 3 55.3	2.573	3.523	6.2	21.1
5 1	15 12.67	− 3 30.5	2.543	3.525	4.3	20.9
5 11	15 4.90	− 3 12.9	2.541	3.527	4.2	20.9
5 21	14 57.28	− 3 4.8	2.568	3.529	6.1	21.1
5 31	14 50.44	− 3 7.6	2.622	3.530	8.5	21.2
6 10	14 44.89	− 3 21.9	2.700	3.530	10.9	21.4

406473 2007 UU_{77} 5 9.4 185°.55 1°.2/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.26	−21 56.4	2.041	2.830	14.7	22.9
4 11	15 32.04	−21 53.0	1.950	2.831	11.7	22.7
4 21	15 24.37	−21 39.4	1.879	2.830	8.1	22.5
5 1	15 14.88	−21 15.6	1.835	2.829	4.1	22.2
5 11	15 4.48	−20 43.5	1.818	2.827	1.2	22.0
5 21	14 54.25	−20 6.4	1.830	2.824	4.8	22.3
5 31	14 45.21	−19 28.9	1.870	2.821	8.8	22.5
6 10	14 38.16	−18 55.8	1.934	2.816	12.3	22.7

156306 2001 XS_{36} 5 9.4 82°.25 5°.2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.50	−31 56.5	1.796	2.566	17.1	19.8
4 11	15 31.10	−32 16.8	1.722	2.580	14.1	19.6
4 21	15 23.91	−32 19.3	1.667	2.594	10.8	19.5
5 1	15 14.67	−32 1.9	1.635	2.607	7.4	19.3
5 11	15 4.54	−31 24.8	1.629	2.621	5.2	19.2
5 21	14 54.79	−30 31.9	1.649	2.635	6.3	19.3
5 31	14 46.56	−29 29.5	1.694	2.648	9.3	19.5
6 10	14 40.70	−28 25.5	1.764	2.662	12.5	19.7

250319 2003 RY_{26} 5 9.4 248°.85 2°.5/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.31	−25 22.7	1.914	2.700	15.6	22.8
4 11	15 31.81	−25 23.2	1.804	2.681	12.7	22.6
4 21	15 24.57	−25 10.3	1.715	2.661	9.1	22.3
5 1	15 15.12	−24 42.9	1.651	2.640	5.2	22.0
5 11	15 4.43	−24 1.7	1.613	2.619	2.5	21.8
5 21	14 53.67	−23 10.1	1.602	2.597	5.3	21.9
5 31	14 44.08	−22 13.9	1.619	2.574	9.6	22.1
6 10	14 36.63	−21 20.0	1.659	2.550	13.6	22.3

431342 2007 AK 5 9.4 4°.37 18°.3/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 58.34	−44 43.4	1.415	2.114	23.8	19.7
4 11	15 53.67	−48 54.3	1.343	2.114	21.9	19.5
4 21	15 42.84	−52 53.3	1.291	2.114	20.1	19.4
5 1	15 25.35	−56 20.5	1.260	2.116	18.7	19.3
5 11	15 2.26	−58 56.0	1.251	2.119	18.3	19.3
5 21	14 36.72	−60 27.8	1.263	2.123	18.8	19.3
5 31	14 13.31	−60 58.4	1.294	2.128	20.0	19.4
6 10	13 55.87	−60 44.1	1.342	2.135	21.6	19.5

436761 2012 DN 5 9.4 217°.98 7°.7/ 1.9 15 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.86	+ 6 40.9	2.713	3.492	11.7	23.7
4 11	15 31.00	+ 8 2.5	2.623	3.477	9.9	23.5
4 21	15 23.32	+ 9 18.8	2.557	3.462	8.4	23.4
5 1	15 14.31	+10 24.0	2.518	3.444	7.7	23.3
5 11	15 4.62	+11 12.7	2.508	3.425	8.3	23.3
5 21	14 54.99	+11 41.5	2.525	3.405	9.8	23.4
5 31	14 46.14	+11 48.9	2.567	3.383	11.7	23.5
6 10	14 38.70	+11 35.7	2.631	3.360	13.6	23.6

11025 1986 QJ_1 5 9.4 273°.01 7°.1/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.49	− 1 21.4	1.966	2.789	13.9	18.9
4 11	15 26.77	− 0 7.7	1.875	2.770	11.3	18.7
4 21	15 20.86	+ 1 5.0	1.806	2.751	8.8	18.5
5 1	15 13.27	+ 2 10.2	1.762	2.731	7.2	18.3
5 11	15 4.81	+ 3 1.4	1.744	2.711	7.7	18.3
5 21	14 56.39	+ 3 33.5	1.752	2.691	10.0	18.4
5 31	14 48.94	+ 3 43.6	1.784	2.671	12.9	18.5
6 10	14 43.21	+ 3 31.3	1.836	2.651	15.8	18.7

135696 2002 PX_4 5 9.5 147°.06 3°.6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.76	−10 39.8	2.055	2.869	13.7	20.9
4 11	15 28.95	− 9 36.7	1.981	2.879	10.7	20.8
4 21	15 22.06	− 8 29.3	1.931	2.889	7.3	20.6
5 1	15 13.71	− 7 22.2	1.907	2.899	4.3	20.4
5 11	15 4.76	− 6 20.6	1.911	2.907	4.0	20.4
5 21	14 56.10	− 5 29.3	1.944	2.915	6.8	20.6
5 31	14 48.58	− 4 52.2	2.002	2.923	10.1	20.8
6 10	14 42.81	− 4 31.0	2.085	2.929	13.1	21.0

89946 2002 GP_{39} 5 9.5 200°.45 2°.6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.41	−12 14.0	2.582	3.387	11.5	20.3
4 11	15 26.83	−11 17.3	2.488	3.382	9.0	20.1
4 21	15 20.54	−10 15.5	2.419	3.377	6.1	19.9
5 1	15 13.00	− 9 11.8	2.377	3.371	3.4	19.7
5 11	15 4.88	− 8 10.3	2.365	3.364	2.9	19.7
5 21	14 56.90	− 7 15.2	2.382	3.357	5.5	19.9
5 31	14 49.74	− 6 30.0	2.427	3.349	8.5	20.0
6 10	14 43.98	− 5 57.3	2.497	3.340	11.2	20.2

261268 2005 UZ_{107} 5 9.5 242°.89 1°.1/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.02	−17 7.0	2.498	3.304	11.8	20.9
4 11	15 24.33	−16 20.8	2.405	3.300	9.2	20.7
4 21	15 18.91	−15 26.8	2.336	3.296	6.1	20.5
5 1	15 12.25	−14 27.5	2.293	3.292	2.9	20.3
5 11	15 5.02	−13 26.7	2.280	3.287	1.5	20.2
5 21	14 57.94	−12 28.4	2.295	3.283	4.6	20.4
5 31	14 51.70	−11 36.6	2.338	3.279	7.8	20.6
6 10	14 46.84	−10 54.7	2.405	3.274	10.7	20.8

218016 2001 XV_{238} 5 9.5 203°.20 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.11	−17 9.4	2.446	3.240	12.4	21.5
4 11	15 29.14	−16 50.9	2.347	3.235	9.7	21.3
4 21	15 22.21	−16 26.0	2.272	3.229	6.5	21.1
5 1	15 13.83	−15 55.8	2.224	3.222	3.0	20.9
5 11	15 4.73	−15 23.0	2.205	3.214	1.0	20.7
5 21	14 55.73	−14 50.6	2.216	3.206	4.5	21.0
5 31	14 47.64	−14 21.9	2.254	3.197	8.0	21.2
6 10	14 41.10	−14 0.1	2.318	3.187	11.1	21.3

32681 1166 T-$_1$ 5 9.5 67°.54 4°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.86	−29 31.4	2.210	2.976	14.4	19.2
4 11	15 29.37	−30 5.6	2.126	2.984	11.8	19.0
4 21	15 22.57	−30 27.5	2.063	2.991	8.9	18.9
5 1	15 14.05	−30 35.2	2.025	2.999	6.0	18.7
5 11	15 4.69	−30 28.3	2.013	3.006	4.2	18.6
5 21	14 55.50	−30 8.7	2.029	3.014	5.4	18.7
5 31	14 47.45	−29 40.2	2.071	3.022	8.1	18.8
6 10	14 41.29	−29 7.9	2.138	3.030	11.0	19.0

333937 1999 VH_{103} 5 9.5 183°.47 0°.3/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.43	−17 32.3	2.301	3.100	12.9	22.1
4 11	15 28.71	−17 25.8	2.211	3.101	10.1	21.9
4 21	15 21.96	−17 13.0	2.144	3.101	6.8	21.7
5 1	15 13.72	−16 55.1	2.103	3.100	3.2	21.5
5 11	15 4.76	−16 34.1	2.090	3.099	0.7	21.3
5 21	14 55.94	−16 12.7	2.106	3.098	4.5	21.6
5 31	14 48.09	−15 54.1	2.149	3.096	8.1	21.8
6 10	14 41.88	−15 41.3	2.218	3.094	11.2	22.0

505989 2015 GN_{34} 5 9.5 348°.98 10°.7/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.78	+ 0 17.2	1.562	2.406	15.9	20.0
4 11	15 23.46	+ 3 23.7	1.499	2.401	13.2	19.9
4 21	15 18.75	+ 6 31.0	1.459	2.395	11.2	19.7
5 1	15 12.28	+ 9 25.0	1.446	2.391	10.8	19.7
5 11	15 5.03	+11 52.5	1.458	2.387	12.1	19.7
5 21	14 58.01	+13 44.2	1.493	2.384	14.6	19.9
5 31	14 52.20	+14 56.0	1.549	2.382	17.3	20.0
6 10	14 48.35	+15 29.3	1.621	2.381	19.7	20.2

79024 1247 T-2 5 9.5 177°.17 0°.8/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.90	−17 41.0	1.992	2.796	14.4	21.3
4 11	15 30.13	−17 12.8	1.905	2.798	11.3	21.1
4 21	15 23.04	−16 35.9	1.841	2.800	7.6	20.9
5 1	15 14.25	−15 52.4	1.803	2.801	3.5	20.7
5 11	15 4.68	−15 5.8	1.792	2.801	1.2	20.5
5 21	14 55.31	−14 20.4	1.810	2.801	5.3	20.8
5 31	14 47.12	−13 40.9	1.855	2.800	9.2	21.0
6 10	14 40.84	−13 11.1	1.923	2.798	12.7	21.2

191245 2002 YL_9 5 9.5 209°.44 2°.3/10.8 17

4 1	15 36.90	−25 8.0	1.678	2.473	17.1	20.8
4 11	15 32.45	−24 59.7	1.586	2.468	13.8	20.6
4 21	15 25.04	−24 36.0	1.514	2.463	9.8	20.3
5 1	15 15.35	−23 56.2	1.465	2.457	5.4	20.0
5 11	15 4.49	−23 2.4	1.442	2.450	2.3	19.8
5 21	14 53.79	−21 59.4	1.447	2.442	5.6	20.0
5 31	14 44.54	−20 54.3	1.477	2.434	10.2	20.2
6 10	14 37.72	−19 54.6	1.531	2.425	14.3	20.5

28692 Chanleysmall 5 9.5 253°.84 0°.3/ 9.7 18

4 1	15 31.37	−19 27.4	2.185	2.987	13.4	19.2
4 11	15 27.32	−19 20.4	2.090	2.981	10.6	19.0
4 21	15 21.15	−19 5.6	2.018	2.975	7.2	18.8
5 1	15 13.40	−18 43.6	1.972	2.969	3.4	18.6
5 11	15 4.86	−18 16.7	1.953	2.963	0.6	18.3
5 21	14 56.42	−17 48.0	1.962	2.956	4.5	18.6
5 31	14 48.96	−17 21.0	1.998	2.950	8.3	18.8
6 10	14 43.19	−16 59.5	2.059	2.943	11.6	19.0

288600 2004 KY_3 5 9.5 285°.21 2°.1/ 8.3 17

4 1	15 33.90	−10 31.8	2.251	3.059	12.9	20.1
4 11	15 29.23	−10 38.8	2.150	3.045	10.1	19.9
4 21	15 22.45	−10 45.4	2.072	3.030	6.9	19.7
5 1	15 14.03	−10 53.2	2.020	3.016	3.6	19.5
5 11	15 4.75	−11 4.1	1.996	3.001	2.4	19.4
5 21	14 55.45	−11 19.6	2.001	2.986	5.4	19.5
5 31	14 47.04	−11 41.3	2.033	2.972	9.0	19.7
6 10	14 40.24	−12 10.3	2.090	2.957	12.2	19.9

163946 2003 UC_{14} 5 9.5 222°.69 3°.7/ 6.8 18

4 1	15 30.79	− 9 9.6	2.081	2.901	13.4	20.0
4 11	15 26.79	− 8 24.9	1.997	2.898	10.5	19.8
4 21	15 20.74	− 7 37.6	1.935	2.894	7.3	19.6
5 1	15 13.19	− 6 51.6	1.899	2.890	4.4	19.4
5 11	15 4.92	− 6 11.4	1.890	2.886	4.1	19.4
5 21	14 56.81	− 5 40.9	1.909	2.882	6.8	19.5
5 31	14 49.70	− 5 23.4	1.954	2.878	10.1	19.7
6 10	14 44.26	− 5 20.3	2.021	2.873	13.1	19.9

212007 2005 BC_{24} 5 9.5 81°.83 3°.4/ 7.7 18

4 1	15 34.79	−11 32.2	1.482	2.313	17.2	20.2
4 11	15 30.58	−10 59.8	1.417	2.325	13.4	20.0
4 21	15 23.57	−10 23.2	1.373	2.337	9.1	19.7
5 1	15 14.55	− 9 46.7	1.352	2.348	4.8	19.5
5 11	15 4.69	− 9 15.2	1.357	2.360	3.8	19.5
5 21	14 55.22	− 8 53.4	1.387	2.371	7.5	19.7
5 31	14 47.31	− 8 44.9	1.442	2.383	11.7	20.0
6 10	14 41.75	− 8 51.2	1.518	2.394	15.5	20.3

212413 2006 KW_{58} 5 9.5 123°.39 2°.3/ 8.0 17

4 1	15 33.35	−15 46.0	1.550	2.377	16.8	21.1
4 11	15 29.45	−14 54.7	1.477	2.383	13.1	20.9
4 21	15 22.83	−13 53.3	1.424	2.388	8.8	20.7
5 1	15 14.22	−12 46.1	1.395	2.394	4.2	20.4
5 11	15 4.74	−11 39.2	1.393	2.399	2.7	20.3
5 21	14 55.60	−10 39.2	1.416	2.404	6.9	20.6
5 31	14 47.92	− 9 52.0	1.465	2.409	11.3	20.8
6 10	14 42.52	− 9 21.4	1.535	2.413	15.2	21.1

66685 1999 TT_{37} 5 9.5 317°.34 1°.0/10.1 17

4 1	15 28.82	−22 25.3	1.601	2.421	16.7	19.3
4 11	15 26.27	−22 7.3	1.505	2.404	13.3	19.1
4 21	15 20.96	−21 34.7	1.429	2.388	9.3	18.8
5 1	15 13.49	−20 48.3	1.376	2.372	4.7	18.5
5 11	15 4.86	−19 51.3	1.348	2.357	1.1	18.2
5 21	14 56.28	−18 49.0	1.345	2.342	5.6	18.4
5 31	14 48.97	−17 48.5	1.368	2.328	10.4	18.7
6 10	14 43.91	−16 56.6	1.412	2.315	14.8	18.9

111302 2001 XK_{58} 5 9.5 154°.24 0°.3/ 9.2 18

4 1	15 30.47	−17 58.4	2.788	3.582	11.0	20.7
4 11	15 25.99	−17 38.2	2.701	3.588	8.6	20.5
4 21	15 19.92	−17 11.9	2.639	3.595	5.8	20.3
5 1	15 12.73	−16 41.0	2.603	3.601	2.7	20.1
5 11	15 5.03	−16 7.6	2.597	3.606	0.7	20.0
5 21	14 57.50	−15 34.6	2.620	3.611	3.8	20.2
5 31	14 50.77	−15 4.8	2.671	3.616	6.8	20.4
6 10	14 45.34	−14 40.9	2.749	3.620	9.5	20.6

356314 2010 HR_{77} 5 9.5 81°.88 1°.1/ 9.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.27	−21 0.4	1.357	2.179	19.0	21.4
4 11	15 32.27	−21 1.7	1.288	2.188	15.1	21.2
4 21	15 25.02	−20 50.5	1.238	2.198	10.4	20.9
5 1	15 15.33	−20 27.0	1.211	2.208	5.1	20.7
5 11	15 4.56	−19 54.2	1.208	2.218	1.2	20.4
5 21	14 54.18	−19 16.9	1.231	2.227	6.1	20.8
5 31	14 45.60	−18 41.6	1.277	2.237	11.1	21.1
6 10	14 39.75	−18 14.2	1.346	2.246	15.5	21.4

343826 2011 HX_{23} 5 9.5 315°.33 1°.7/ 8.3 17

4 1	15 27.62	−17 21.3	1.633	2.464	15.9	20.6
4 11	15 25.16	−16 30.8	1.537	2.445	12.5	20.3
4 21	15 20.11	−15 27.6	1.461	2.427	8.5	20.0
5 1	15 13.06	−14 15.0	1.409	2.409	4.0	19.7
5 11	15 4.95	−12 58.6	1.384	2.391	2.2	19.5
5 21	14 56.90	−11 45.5	1.384	2.374	6.6	19.8
5 31	14 50.03	−10 42.8	1.408	2.357	11.2	20.0
6 10	14 45.24	− 9 56.0	1.454	2.341	15.4	20.2

508609 2017 SM_{22} 5 9.5 217°.87 1°.3/ 8.4 17

4 1	15 31.93	−17 9.2	2.248	3.052	13.0	22.2
4 11	15 27.62	−16 20.4	2.150	3.044	10.2	22.0
4 21	15 21.28	−15 22.4	2.076	3.035	6.8	21.8
5 1	15 13.45	−14 18.0	2.028	3.026	3.2	21.6
5 11	15 4.90	−13 11.3	2.009	3.017	1.7	21.4
5 21	14 56.48	−12 7.1	2.019	3.007	5.2	21.6
5 31	14 49.02	−11 10.2	2.057	2.996	8.8	21.8
6 10	14 43.19	−10 24.7	2.119	2.985	12.1	22.0

273086 2006 EE_{22} 5 9.5 270°.55 1°.7/10.5 17

4 1	15 32.88	−22 47.7	1.933	2.732	15.0	21.2
4 11	15 28.92	−22 54.5	1.838	2.724	12.0	21.0
4 21	15 22.48	−22 50.7	1.764	2.716	8.4	20.8
5 1	15 14.12	−22 36.2	1.714	2.707	4.5	20.5
5 11	15 4.77	−22 12.3	1.691	2.699	1.7	20.3
5 21	14 55.49	−21 41.8	1.695	2.690	4.9	20.5
5 31	14 47.34	−21 9.4	1.726	2.682	9.0	20.7
6 10	14 41.19	−20 40.0	1.780	2.673	12.7	20.9

501523 2014 EX_{29} 5 9.5 78°.52 4°.6/ 5.7 18

4 1	15 28.53	− 6 17.2	2.226	3.047	12.5	21.1
4 11	15 24.83	− 5 17.6	2.150	3.050	9.9	20.9
4 21	15 19.30	− 4 17.3	2.098	3.053	7.1	20.8
5 1	15 12.48	− 3 20.8	2.072	3.056	4.9	20.6
5 11	15 5.09	− 2 33.1	2.073	3.058	5.0	20.6
5 21	14 57.90	− 1 57.9	2.101	3.061	7.3	20.8
5 31	14 51.64	− 1 37.8	2.155	3.064	10.0	20.9
6 10	14 46.87	− 1 33.7	2.232	3.067	12.7	21.1

180186 2003 QZ_{30} 5 9.5 132°.19 2°.4/ 7.3 18

4 1	15 36.92	−11 18.4	2.885	3.673	10.8	23.2
4 11	15 30.65	−10 32.5	2.814	3.698	8.4	23.1
4 21	15 22.84	− 9 43.7	2.769	3.723	5.7	22.9
5 1	15 14.02	− 8 54.8	2.753	3.746	3.1	22.8
5 11	15 4.84	− 8 8.9	2.769	3.768	2.6	22.8
5 21	14 55.95	− 7 29.2	2.815	3.788	4.9	23.0
5 31	14 47.97	− 6 58.0	2.890	3.807	7.5	23.1
6 10	14 41.37	− 6 37.1	2.992	3.825	9.8	23.3

406826 2008 YL_{62} 5 9.5 200°.19 2°.8/ 7.8 16

4 1	15 35.58	−12 53.2	1.744	2.562	15.6	22.5
4 11	15 31.02	−12 14.1	1.658	2.559	12.2	22.3
4 21	15 23.86	−11 28.7	1.594	2.556	8.3	22.0
5 1	15 14.75	−10 40.7	1.555	2.551	4.3	21.8
5 11	15 4.69	− 9 54.8	1.543	2.547	3.2	21.7
5 21	14 54.80	− 9 16.2	1.558	2.541	6.9	21.9
5 31	14 46.20	− 8 49.2	1.599	2.535	11.1	22.1
6 10	14 39.71	− 8 36.9	1.662	2.529	14.8	22.3

343019 2009 BE_{100} 5 9.5 194°.17 0°.0/ 9.4 18

4 1	15 32.11	−18 49.4	2.339	3.137	12.7	21.8
4 11	15 27.70	−18 39.8	2.248	3.136	10.0	21.6
4 21	15 21.31	−18 22.9	2.178	3.135	6.8	21.4
5 1	15 13.47	−17 59.9	2.135	3.133	3.2	21.1
5 11	15 4.92	−17 32.9	2.121	3.130	0.6	20.9
5 21	14 56.51	−17 4.8	2.135	3.128	4.3	21.2
5 31	14 49.03	−16 38.9	2.176	3.125	7.9	21.4
6 10	14 43.14	−16 18.6	2.243	3.122	11.0	21.6

35620 1998 JZ 5 9.5 332°.24 0°.3/ 9.6 17

4 1	15 34.59	−16 4.8	1.536	2.360	17.1	18.1
4 11	15 30.91	−16 42.5	1.445	2.348	13.5	17.8
4 21	15 24.23	−17 17.3	1.375	2.337	9.3	17.6
5 1	15 15.10	−17 48.8	1.329	2.327	4.5	17.2
5 11	15 4.60	−18 17.0	1.307	2.317	0.8	16.9
5 21	14 54.06	−18 42.9	1.312	2.308	6.0	17.3
5 31	14 44.85	−19 8.5	1.342	2.300	10.9	17.5
6 10	14 38.07	−19 36.7	1.393	2.292	15.2	17.8

175798 1999 RK_{137} 5 9.5 224°.76 2°.5/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.40	−13 16.5	2.042	2.852	13.9	21.2
4 11	15 29.80	−12 32.5	1.944	2.841	10.9	21.0
4 21	15 22.91	−11 41.9	1.869	2.829	7.4	20.8
5 1	15 14.29	−10 47.8	1.820	2.816	3.8	20.5
5 11	15 4.78	− 9 54.7	1.798	2.802	2.9	20.4
5 21	14 55.34	− 9 7.5	1.805	2.787	6.3	20.6
5 31	14 46.94	− 8 30.6	1.839	2.772	10.1	20.8
6 10	14 40.35	− 8 7.1	1.897	2.756	13.6	21.0

199293 2006 BC_{66} 5 9.5 276°.31 1°.2/ 8.8 18

4 1	15 32.19	−15 43.5	1.874	2.690	14.7	20.8
4 11	15 28.36	−15 28.5	1.778	2.678	11.6	20.6
4 21	15 22.10	−15 6.9	1.704	2.666	7.8	20.3
5 1	15 13.96	−14 40.5	1.655	2.653	3.7	20.1
5 11	15 4.84	−14 12.4	1.632	2.641	1.6	19.9
5 21	14 55.76	−13 46.3	1.637	2.628	5.7	20.1
5 31	14 47.78	−13 26.3	1.668	2.616	9.9	20.3
6 10	14 41.72	−13 15.8	1.721	2.603	13.6	20.5

160739 2000 RB_{51} 5 9.5 219°.41 0°.0/ 9.3 16

4 1	15 36.02	−19 30.6	1.996	2.794	14.6	20.7
4 11	15 31.22	−19 9.9	1.896	2.784	11.6	20.4
4 21	15 23.96	−18 39.2	1.817	2.774	7.9	20.2
5 1	15 14.81	−17 59.7	1.765	2.762	3.7	19.9
5 11	15 4.68	−17 14.0	1.740	2.750	0.7	19.6
5 21	14 54.63	−16 26.5	1.744	2.737	5.2	19.9
5 31	14 45.69	−15 42.2	1.775	2.723	9.4	20.1
6 10	14 38.72	−15 5.9	1.829	2.708	13.1	20.3

313006 1999 VY_{14} 5 9.5 233°.84 5°.2/13.4 18

4 1	15 35.69	−35 29.3	2.989	3.705	12.0	21.6
4 11	15 30.51	−36 11.8	2.877	3.693	10.2	21.5
4 21	15 23.29	−36 42.9	2.787	3.680	8.3	21.3
5 1	15 14.46	−36 59.9	2.722	3.667	6.4	21.2
5 11	15 4.75	−37 1.5	2.685	3.653	5.2	21.1
5 21	14 54.97	−36 48.2	2.675	3.640	5.7	21.1
5 31	14 46.00	−36 22.5	2.694	3.625	7.3	21.2
6 10	14 38.56	−35 48.6	2.738	3.610	9.5	21.3

508488 2016 PM_{71} 5 9.5 280°.74 3°.3/11.3 17

4 1	15 34.81	−25 48.2	2.150	2.929	14.3	21.8
4 11	15 30.23	−26 24.5	2.058	2.928	11.6	21.6
4 21	15 23.27	−26 51.2	1.987	2.926	8.5	21.4
5 1	15 14.48	−27 6.5	1.941	2.925	5.2	21.2
5 11	15 4.75	−27 9.9	1.922	2.923	3.3	21.1
5 21	14 55.07	−27 2.8	1.931	2.922	5.0	21.2
5 31	14 46.47	−26 48.6	1.968	2.920	8.3	21.4
6 10	14 39.77	−26 31.6	2.028	2.919	11.5	21.6

357831 2005 UJ_{107} 5 9.5 164°.79 1°.7/ 8.4 17

4 1	15 35.33	−17 7.2	1.591	2.411	16.8	21.7
4 11	15 31.00	−16 17.5	1.513	2.415	13.1	21.5
4 21	15 23.91	−15 16.6	1.456	2.418	8.8	21.2
5 1	15 14.77	−14 7.8	1.423	2.421	4.2	21.0
5 11	15 4.71	−12 57.1	1.416	2.424	2.2	20.8
5 21	14 54.97	−11 51.2	1.436	2.426	6.6	21.1
5 31	14 46.69	−10 56.5	1.482	2.427	11.1	21.4
6 10	14 40.73	−10 17.5	1.550	2.428	15.1	21.6

67591 2000 SM_{136} 5 9.5 2°.09 5°.6/12.1 17

4 1	15 32.65	−28 42.7	1.247	2.062	20.8	18.5
4 11	15 30.20	−29 23.1	1.172	2.060	17.2	18.2
4 21	15 24.11	−29 45.1	1.114	2.060	12.9	18.0
5 1	15 15.12	−29 44.8	1.077	2.060	8.5	17.7
5 11	15 4.63	−29 21.5	1.062	2.061	5.7	17.6
5 21	14 54.36	−28 38.6	1.069	2.062	7.6	17.7
5 31	14 45.99	−27 44.2	1.100	2.065	11.9	17.9
6 10	14 40.71	−26 48.3	1.151	2.068	16.2	18.2

250527 2004 PH_{49} 5 9.5 270°.71 0°.1/ 9.6 18

4 1	15 30.46	−18 44.8	2.475	3.274	12.1	21.1
4 11	15 26.42	−18 40.1	2.371	3.260	9.5	20.9
4 21	15 20.48	−18 28.9	2.291	3.247	6.5	20.7
5 1	15 13.12	−18 11.9	2.236	3.233	3.1	20.4
5 11	15 5.01	−17 51.0	2.209	3.219	0.5	20.2
5 21	14 56.92	−17 28.6	2.211	3.205	4.2	20.4
5 31	14 49.65	−17 7.7	2.241	3.191	7.6	20.6
6 10	14 43.84	−16 51.5	2.296	3.177	10.7	20.8

410707 2009 AM_{40} 5 9.5 6°.19 8°.6/ 5.6 17

4 1	15 28.31	− 3 36.1	1.064	1.930	20.0	20.4
4 11	15 26.48	− 2 30.3	1.007	1.930	16.1	20.1
4 21	15 21.34	− 1 27.5	0.967	1.930	12.0	19.9
5 1	15 13.69	− 0 37.2	0.948	1.933	9.0	19.7
5 11	15 4.92	− 0 8.6	0.950	1.936	9.2	19.7
5 21	14 56.53	− 0 7.3	0.973	1.941	12.3	19.9
5 31	14 49.93	− 0 34.9	1.015	1.947	16.4	20.2
6 10	14 46.09	− 1 28.6	1.075	1.954	20.2	20.4

120216 2004 EW_{95} 5 9.5 2°.78 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 11.25	−33 9.3	26.292	27.008	1.5	20.8
4 11	15 10.12	−33 11.2	26.189	27.008	1.2	20.7
4 21	15 8.85	−33 11.8	26.111	27.009	1.0	20.7
5 1	15 7.48	−33 10.9	26.059	27.010	0.7	20.7
5 11	15 6.06	−33 8.8	26.036	27.011	0.6	20.6
5 21	15 4.64	−33 5.7	26.041	27.012	0.6	20.6
5 31	15 3.29	−33 1.7	26.074	27.013	0.8	20.7
6 10	15 2.05	−32 57.1	26.135	27.014	1.1	20.7

344480 2002 PE_{170} 5 9.5 194°.45 0°.6/ 9.9 17

4 1	15 32.14	−20 33.1	2.262	3.058	13.2	21.8
4 11	15 27.83	−20 24.3	2.170	3.056	10.4	21.6
4 21	15 21.46	−20 7.0	2.101	3.055	7.1	21.4
5 1	15 13.56	−19 41.9	2.057	3.053	3.5	21.1
5 11	15 4.95	−19 11.1	2.042	3.052	0.7	20.9
5 21	14 56.47	−18 37.7	2.055	3.049	4.3	21.2
5 31	14 48.97	−18 5.5	2.096	3.047	7.9	21.4
6 10	14 43.13	−17 38.3	2.161	3.045	11.2	21.6

494319 2016 TK_{1} 5 9.5 254°.44 0°.9/ 8.7 16

4 1	15 29.70	−17 16.5	2.576	3.377	11.6	22.1
4 11	15 25.72	−16 39.5	2.468	3.360	9.1	21.9
4 21	15 19.95	−15 54.7	2.384	3.343	6.1	21.7
5 1	15 12.85	−15 4.2	2.327	3.325	2.9	21.4
5 11	15 5.08	−14 11.2	2.298	3.307	1.2	21.3
5 21	14 57.35	−13 19.2	2.299	3.288	4.5	21.5
5 31	14 50.40	−12 32.2	2.328	3.269	7.8	21.7
6 10	14 44.82	−11 53.7	2.381	3.250	10.8	21.8

323344 2003 UQ_{277} 5 9.5 163°.60 1°.4/ 8.6 18

4 1	15 35.99	−15 17.1	1.935	2.743	14.7	21.6
4 11	15 31.02	−14 54.6	1.853	2.748	11.5	21.4
4 21	15 23.69	−14 25.7	1.793	2.753	7.7	21.2
5 1	15 14.63	−13 52.6	1.759	2.757	3.6	21.0
5 11	15 4.77	−13 18.8	1.753	2.761	1.8	20.8
5 21	14 55.15	−12 48.1	1.775	2.764	5.6	21.1
5 31	14 46.74	−12 24.4	1.824	2.766	9.5	21.3
6 10	14 40.29	−12 10.8	1.896	2.768	13.0	21.6

403814 2011 UJ_{124} 5 9.5 215°.33 0°.2/ 9.4 16

4 1	15 38.12	−18 11.4	1.892	2.692	15.2	22.9
4 11	15 33.03	−18 2.8	1.794	2.684	12.1	22.6
4 21	15 25.29	−17 45.9	1.718	2.674	8.2	22.4
5 1	15 15.49	−17 21.5	1.666	2.664	3.9	22.1
5 11	15 4.60	−16 52.0	1.643	2.652	0.8	21.8
5 21	14 53.77	−16 21.0	1.648	2.640	5.4	22.1
5 31	14 44.12	−15 53.0	1.679	2.627	9.8	22.4
6 10	14 36.58	−15 32.3	1.735	2.613	13.7	22.6

520075 2013 WL_{113} 5 9.5 176°.78 5°.2/ 5.9 17

4 1	15 33.78	− 2 19.0	2.325	3.132	12.5	21.5
4 11	15 28.81	− 1 43.1	2.246	3.134	10.0	21.3
4 21	15 21.96	− 1 10.2	2.190	3.135	7.5	21.1
5 1	15 13.76	− 0 44.2	2.160	3.136	5.5	21.0
5 11	15 4.94	− 0 29.0	2.159	3.137	5.5	21.0
5 21	14 56.30	− 0 27.0	2.184	3.137	7.5	21.1
5 31	14 48.61	− 0 39.5	2.237	3.136	10.1	21.3
6 10	14 42.46	− 1 6.4	2.312	3.135	12.7	21.5

450796 2007 TA_{301} 5 9.5 212°.60 0°.7/10.3 17

4 1	15 26.77	−21 46.4	4.276	5.049	7.8	24.0
4 11	15 22.69	−21 43.0	4.169	5.041	6.2	23.9
4 21	15 17.54	−21 34.5	4.086	5.033	4.3	23.7
5 1	15 11.62	−21 21.3	4.032	5.025	2.2	23.6
5 11	15 5.33	−21 4.5	4.008	5.016	0.7	23.4
5 21	14 59.07	−20 45.4	4.014	5.007	2.5	23.6
5 31	14 53.28	−20 25.7	4.049	4.998	4.6	23.7
6 10	14 48.31	−20 7.1	4.112	4.988	6.5	23.9

17284 2000 MJ_{5} 5 9.5 241°.80 5°.5/13.2 18

4 1	15 36.25	−33 55.7	2.206	2.950	15.0	17.9
4 11	15 31.63	−34 22.3	2.098	2.936	12.7	17.7
4 21	15 24.40	−34 33.7	2.010	2.922	10.0	17.5
5 1	15 15.10	−34 26.5	1.946	2.907	7.3	17.3
5 11	15 4.68	−33 59.7	1.907	2.891	5.6	17.2
5 21	14 54.25	−33 15.0	1.896	2.875	6.3	17.2
5 31	14 44.96	−32 17.0	1.912	2.858	8.9	17.3
6 10	14 37.72	−31 12.6	1.952	2.841	12.0	17.4

304649 2006 WZ_{14} 5 9.5 225°.38 0°.4/ 9.8 18

4 1	15 31.05	−20 9.8	2.737	3.526	11.3	21.4
4 11	15 26.66	−20 1.7	2.634	3.517	8.9	21.2
4 21	15 20.53	−19 46.4	2.554	3.507	6.1	21.0
5 1	15 13.12	−19 24.9	2.502	3.498	3.0	20.8
5 11	15 5.06	−18 58.6	2.478	3.487	0.6	20.6
5 21	14 57.06	−18 30.1	2.483	3.477	3.8	20.8
5 31	14 49.83	−18 2.3	2.517	3.466	6.9	21.0
6 10	14 43.94	−17 38.3	2.577	3.455	9.8	21.2

446819 2000 RB_{53} 5 9.5 207°.58 9°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 46.34	−52 30.8	3.127	3.715	13.6	22.5
4 11	15 39.46	−53 24.3	3.019	3.706	12.5	22.4
4 21	15 29.66	−54 0.2	2.928	3.697	11.3	22.3
5 1	15 17.56	−54 13.2	2.858	3.686	10.1	22.2
5 11	15 4.25	−54 0.2	2.811	3.675	9.3	22.1
5 21	14 51.00	−53 20.7	2.789	3.663	9.2	22.1
5 31	14 39.11	−52 17.8	2.792	3.650	9.7	22.1
6 10	14 29.57	−50 57.7	2.819	3.636	10.8	22.1

427513 2002 EO_{113} 5 9.5 10°.63 7°.0/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.59	−31 25.4	1.618	2.396	18.3	20.4
4 11	15 32.71	−32 41.5	1.537	2.397	15.4	20.2
4 21	15 25.56	−33 43.5	1.475	2.399	12.1	20.0
5 1	15 15.78	−34 25.9	1.435	2.401	8.9	19.8
5 11	15 4.57	−34 45.6	1.420	2.404	7.0	19.7
5 21	14 53.43	−34 42.8	1.429	2.407	8.0	19.7
5 31	14 43.86	−34 22.2	1.463	2.411	10.9	19.9
6 10	14 37.00	−33 51.3	1.518	2.416	14.2	20.1

381932 2010 CV_{148} 5 9.5 138°.26 1°.6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.46	−23 27.7	2.091	2.882	14.3	21.4
4 11	15 29.03	−23 26.1	2.007	2.888	11.4	21.2
4 21	15 22.35	−23 13.8	1.943	2.893	8.0	21.0
5 1	15 14.02	−22 50.8	1.906	2.898	4.3	20.8
5 11	15 4.92	−22 18.9	1.895	2.903	1.7	20.6
5 21	14 56.03	−21 41.4	1.912	2.907	4.5	20.8
5 31	14 48.29	−21 2.8	1.957	2.912	8.2	21.1
6 10	14 42.39	−20 27.6	2.026	2.916	11.5	21.3

438407 2006 UV_{332} 5 9.5 228°.85 4°.7/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.11	− 4 56.4	2.403	3.220	11.9	21.8
4 11	15 25.21	− 4 2.9	2.319	3.215	9.4	21.6
4 21	15 19.57	− 3 9.5	2.258	3.210	6.9	21.4
5 1	15 12.66	− 2 20.4	2.224	3.205	5.0	21.3
5 11	15 5.17	− 1 40.0	2.218	3.200	5.1	21.3
5 21	14 57.80	− 1 11.7	2.238	3.194	7.1	21.4
5 31	14 51.27	− 0 57.9	2.285	3.188	9.8	21.6
6 10	14 46.14	− 0 59.3	2.355	3.183	12.3	21.7

424180 2007 JL 5 9.5 348°.84 9°.3/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.63	+ 1 17.6	1.466	2.308	16.8	20.3
4 11	15 25.92	+ 2 31.7	1.399	2.302	13.9	20.1
4 21	15 20.58	+ 3 39.6	1.352	2.297	11.1	20.0
5 1	15 13.27	+ 4 32.9	1.326	2.292	9.5	19.8
5 11	15 5.05	+ 5 3.7	1.325	2.289	9.9	19.9
5 21	14 57.07	+ 5 7.5	1.345	2.286	12.3	20.0
5 31	14 50.41	+ 4 43.1	1.387	2.284	15.3	20.1
6 10	14 45.91	+ 3 52.8	1.448	2.282	18.3	20.3

370927 2005 NA_{125} 5 9.5 275°.14 2°.3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.55	−23 57.7	1.805	2.603	16.0	21.7
4 11	15 30.68	−24 7.6	1.697	2.580	13.0	21.5
4 21	15 24.00	−24 5.7	1.608	2.558	9.3	21.2
5 1	15 15.02	−23 50.8	1.544	2.535	5.2	20.9
5 11	15 4.71	−23 23.6	1.505	2.512	2.3	20.6
5 21	14 54.27	−22 46.8	1.494	2.489	5.5	20.8
5 31	14 44.97	−22 5.6	1.508	2.465	10.0	21.0
6 10	14 37.87	−21 26.5	1.545	2.441	14.1	21.2

9687 Uhlenbeck 5 9.5 139°.45 1°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.40	−23 3.0	2.035	2.829	14.5	18.4
4 11	15 29.14	−23 16.4	1.947	2.829	11.6	18.2
4 21	15 22.53	−23 20.0	1.880	2.830	8.2	18.0
5 1	15 14.15	−23 13.5	1.839	2.830	4.4	17.8
5 11	15 4.90	−22 57.8	1.824	2.831	1.9	17.6
5 21	14 55.79	−22 35.5	1.837	2.831	4.7	17.8
5 31	14 47.81	−22 10.6	1.876	2.832	8.4	18.0
6 10	14 41.73	−21 47.4	1.940	2.832	11.9	18.2

93667 2000 UM_{109} 5 9.5 215°.99 2°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.62	−12 0.0	2.405	3.213	12.1	20.2
4 11	15 27.22	−11 0.3	2.308	3.204	9.5	20.0
4 21	15 20.96	− 9 55.0	2.236	3.195	6.5	19.8
5 1	15 13.33	− 8 47.5	2.191	3.185	3.6	19.6
5 11	15 5.05	− 7 42.6	2.175	3.174	3.3	19.5
5 21	14 56.88	− 6 44.8	2.189	3.163	6.0	19.7
5 31	14 49.58	− 5 58.0	2.229	3.151	9.1	19.8
6 10	14 43.75	− 5 24.9	2.294	3.139	12.0	20.0

361135 2006 HL_9 5 9.5 342°.76 1°.5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.81	−15 26.8	1.073	1.934	20.3	20.0
4 11	15 26.54	−15 22.4	0.998	1.922	16.1	19.7
4 21	15 21.76	−15 9.4	0.940	1.912	10.9	19.4
5 1	15 14.10	−14 50.4	0.901	1.902	5.2	19.0
5 11	15 4.89	−14 29.9	0.885	1.894	2.0	18.8
5 21	14 55.77	−14 13.4	0.890	1.887	7.8	19.1
5 31	14 48.41	−14 6.4	0.917	1.882	13.6	19.4
6 10	14 44.03	−14 13.3	0.961	1.878	18.7	19.6

70503 1999 TN_{98} 5 9.5 147°.14 5°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.40	− 7 28.4	1.697	2.525	15.6	19.2
4 11	15 29.21	− 6 29.1	1.625	2.529	12.3	19.0
4 21	15 22.57	− 5 27.9	1.575	2.533	8.7	18.8
5 1	15 14.14	− 4 30.5	1.549	2.537	5.7	18.6
5 11	15 4.92	− 3 42.9	1.550	2.541	5.6	18.6
5 21	14 55.99	− 3 10.3	1.576	2.544	8.5	18.8
5 31	14 48.34	− 2 55.7	1.627	2.547	12.0	19.0
6 10	14 42.75	− 3 0.0	1.700	2.550	15.3	19.2

54327 2000 KB_4 5 9.5 357°.25 5°.1/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.82	− 8 57.7	1.234	2.091	18.4	17.7
4 11	15 25.83	− 8 19.3	1.165	2.087	14.5	17.4
4 21	15 20.82	− 7 38.3	1.115	2.084	10.1	17.2
5 1	15 13.48	− 7 0.7	1.087	2.082	6.1	16.9
5 11	15 5.03	− 6 33.2	1.081	2.081	5.5	16.9
5 21	14 56.83	− 6 21.0	1.099	2.081	9.2	17.1
5 31	14 50.19	− 6 27.8	1.138	2.083	13.7	17.4
6 10	14 46.06	− 6 54.0	1.196	2.086	17.8	17.6

255658 2006 QL_{28} 5 9.5 206°.21 1°.3/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.85	−15 59.2	2.115	2.919	13.7	21.8
4 11	15 30.07	−15 29.8	2.020	2.913	10.8	21.6
4 21	15 23.06	−14 53.1	1.948	2.907	7.3	21.4
5 1	15 14.38	−14 11.2	1.902	2.900	3.4	21.1
5 11	15 4.88	−13 27.7	1.884	2.892	1.7	21.0
5 21	14 55.49	−12 46.5	1.895	2.883	5.3	21.2
5 31	14 47.15	−12 11.9	1.933	2.874	9.2	21.4
6 10	14 40.59	−11 47.2	1.995	2.864	12.6	21.6

386106 2007 RF_{109} 5 9.5 139°.97 4°.1/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.47	−30 11.8	2.380	3.136	13.7	21.8
4 11	15 30.52	−30 41.5	2.293	3.143	11.3	21.6
4 21	15 23.33	−30 59.0	2.226	3.150	8.6	21.4
5 1	15 14.49	−31 2.4	2.185	3.156	5.8	21.3
5 11	15 4.86	−30 51.6	2.171	3.163	4.1	21.2
5 21	14 55.37	−30 28.2	2.184	3.168	5.2	21.2
5 31	14 46.97	−29 56.0	2.226	3.174	7.7	21.4
6 10	14 40.37	−29 20.0	2.292	3.179	10.5	21.6

383944 2008 SX_{263} 5 9.5 128°.34 1°.5/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.13	−15 42.2	2.012	2.826	13.9	21.6
4 11	15 27.17	−15 7.5	1.930	2.829	10.9	21.4
4 21	15 21.07	−14 25.7	1.871	2.833	7.3	21.2
5 1	15 13.41	−13 39.5	1.837	2.836	3.5	20.9
5 11	15 5.06	−12 52.9	1.831	2.839	1.9	20.8
5 21	14 56.92	−12 10.0	1.853	2.842	5.4	21.0
5 31	14 49.87	−11 35.2	1.901	2.844	9.2	21.3
6 10	14 44.58	−11 11.5	1.973	2.847	12.5	21.5

164843 1999 TH_{138} 5 9.5 234°.96 0°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.50	−20 21.4	3.847	4.628	8.5	21.6
4 11	15 22.63	−20 8.4	3.737	4.616	6.6	21.5
4 21	15 17.59	−19 49.9	3.653	4.604	4.5	21.3
5 1	15 11.69	−19 26.9	3.597	4.592	2.2	21.1
5 11	15 5.38	−19 0.5	3.570	4.579	0.4	21.0
5 21	14 59.11	−18 32.6	3.573	4.566	2.8	21.2
5 31	14 53.35	−18 5.3	3.605	4.553	5.1	21.3
6 10	14 48.49	−17 40.6	3.665	4.540	7.2	21.4

250630 2005 GD_{182} 5 9.5 19°.83 5°.2/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.20	−29 11.2	1.427	2.227	19.3	19.9
4 11	15 30.96	−29 44.4	1.350	2.229	15.9	19.7
4 21	15 24.39	−30 0.0	1.291	2.231	12.0	19.4
5 1	15 15.21	−29 54.8	1.253	2.234	7.9	19.2
5 11	15 4.74	−29 28.5	1.239	2.237	5.3	19.0
5 21	14 54.52	−28 44.5	1.249	2.241	7.0	19.2
5 31	14 46.03	−27 50.2	1.284	2.245	10.9	19.4
6 10	14 40.34	−26 54.5	1.340	2.249	14.9	19.6

305996 2009 KB_{14} 5 9.5 242°.05 1°.3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.48	−13 42.2	2.558	3.361	11.6	20.9
4 11	15 27.07	−13 35.4	2.460	3.353	9.1	20.7
4 21	15 20.86	−13 25.3	2.385	3.344	6.1	20.5
5 1	15 13.31	−13 13.5	2.338	3.335	3.0	20.3
5 11	15 5.09	−13 1.8	2.319	3.326	1.6	20.1
5 21	14 56.92	−12 52.7	2.328	3.316	4.5	20.3
5 31	14 49.55	−12 48.3	2.366	3.307	7.8	20.5
6 10	14 43.57	−12 50.5	2.429	3.297	10.7	20.7

159668 2002 GP_{20} 5 9.5 322°.84 1°.5/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.86	−19 55.6	1.414	2.255	17.4	19.0
4 11	15 23.70	−18 50.9	1.301	2.215	13.9	18.7
4 21	15 19.63	−17 24.5	1.207	2.175	9.5	18.3
5 1	15 13.10	−15 38.8	1.136	2.136	4.5	17.9
5 11	15 5.09	−13 40.3	1.090	2.098	2.2	17.6
5 21	14 56.85	−11 39.3	1.068	2.061	7.6	17.9
5 31	14 49.81	− 9 47.7	1.069	2.024	13.3	18.1
6 10	14 45.14	− 8 16.0	1.091	1.989	18.5	18.2

354733 2005 SB_{229} 5 9.5 88°.69 2°.9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.83	−11 3.4	2.415	3.230	11.9	21.1
4 11	15 24.89	−10 11.4	2.344	3.243	9.2	20.9
4 21	15 19.26	− 9 16.2	2.297	3.256	6.3	20.8
5 1	15 12.49	− 8 21.3	2.276	3.270	3.6	20.6
5 11	15 5.25	− 7 30.7	2.284	3.283	3.2	20.6
5 21	14 58.25	− 6 48.1	2.320	3.295	5.6	20.8
5 31	14 52.15	− 6 16.5	2.383	3.308	8.5	21.0
6 10	14 47.45	− 5 57.4	2.470	3.321	11.1	21.2

87889 2000 SA_{288} 5 9.5 205°.43 4°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.16	−32 29.1	2.431	3.177	13.8	19.6
4 11	15 30.31	−32 32.7	2.329	3.172	11.4	19.4
4 21	15 23.22	−32 21.3	2.247	3.166	8.8	19.3
5 1	15 14.46	−31 53.4	2.191	3.160	6.0	19.1
5 11	15 4.89	−31 9.2	2.161	3.153	4.3	18.9
5 21	14 55.44	−30 11.6	2.160	3.145	5.1	19.0
5 31	14 47.07	−29 5.4	2.187	3.137	7.8	19.1
6 10	14 40.49	−27 56.7	2.240	3.128	10.7	19.3

100535 1997 CR_{22} 5 9.5 291°.08 3°.0/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.19	−25 10.2	1.549	2.357	17.7	19.8
4 11	15 30.11	−25 22.2	1.447	2.335	14.5	19.6
4 21	15 23.90	−25 20.0	1.363	2.314	10.5	19.3
5 1	15 15.08	−25 1.5	1.302	2.293	6.1	18.9
5 11	15 4.75	−24 27.2	1.265	2.271	3.0	18.7
5 21	14 54.28	−23 40.6	1.254	2.250	6.2	18.8
5 31	14 45.16	−22 48.2	1.267	2.229	11.0	19.0
6 10	14 38.56	−21 58.0	1.302	2.208	15.6	19.2

287988 2003 US_{178} 5 9.5 169°.60 1°.6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.23	−22 57.7	2.158	2.948	13.9	21.6
4 11	15 28.84	−23 0.7	2.069	2.950	11.1	21.4
4 21	15 22.24	−22 53.7	2.001	2.951	7.8	21.2
5 1	15 14.00	−22 36.8	1.960	2.952	4.1	21.0
5 11	15 4.98	−22 11.6	1.945	2.953	1.6	20.8
5 21	14 56.10	−21 40.8	1.959	2.954	4.5	21.0
5 31	14 48.30	−21 8.5	2.000	2.954	8.1	21.2
6 10	14 42.30	−20 39.1	2.065	2.955	11.4	21.4

333737 2009 WM_{100} 5 9.5 138°.24 3°.9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.18	− 7 3.9	2.249	3.061	12.8	20.8
4 11	15 28.39	− 6 29.5	2.175	3.070	10.0	20.7
4 21	15 21.70	− 5 55.0	2.125	3.079	7.0	20.5
5 1	15 13.66	− 5 24.1	2.100	3.088	4.5	20.4
5 11	15 5.05	− 5 0.2	2.104	3.097	4.2	20.3
5 21	14 56.68	− 4 46.3	2.136	3.105	6.5	20.5
5 31	14 49.30	− 4 44.3	2.194	3.112	9.5	20.7
6 10	14 43.51	− 4 54.9	2.276	3.119	12.2	20.9

356662 2011 UW_{75} 5 9.5 158°.44 2°.5/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.63	−25 50.0	2.628	3.399	12.2	21.8
4 11	15 28.02	−26 7.2	2.536	3.402	9.8	21.6
4 21	15 21.52	−26 15.1	2.466	3.405	7.1	21.4
5 1	15 13.62	−26 13.2	2.423	3.407	4.3	21.3
5 11	15 5.05	−26 1.9	2.407	3.410	2.5	21.1
5 21	14 56.59	−25 43.0	2.420	3.412	4.1	21.3
5 31	14 49.02	−25 19.6	2.462	3.414	6.9	21.4
6 10	14 42.95	−24 55.3	2.529	3.415	9.7	21.6

134270 2006 BG_{125} 5 9.5 97°.80 0°.9/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.96	−21 12.9	1.908	2.712	15.0	20.4
4 11	15 28.85	−21 8.7	1.826	2.716	11.9	20.2
4 21	15 22.35	−20 54.5	1.765	2.720	8.2	20.0
5 1	15 14.08	−20 30.9	1.728	2.724	4.1	19.7
5 11	15 4.99	−20 0.1	1.719	2.728	1.0	19.5
5 21	14 56.11	−19 25.7	1.737	2.732	4.8	19.8
5 31	14 48.44	−18 52.3	1.781	2.736	8.8	20.0
6 10	14 42.74	−18 24.3	1.849	2.740	12.4	20.3

283669 2002 PD_{118} 5 9.5 335°.85 5°.0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.29	−30 9.3	1.452	2.260	18.7	19.5
4 11	15 24.87	−30 20.9	1.357	2.241	15.5	19.3
4 21	15 20.38	−30 12.2	1.280	2.224	11.8	19.0
5 1	15 13.41	−29 40.4	1.225	2.207	7.8	18.7
5 11	15 5.08	−28 46.1	1.192	2.192	5.1	18.5
5 21	14 56.78	−27 33.6	1.183	2.177	6.7	18.6
5 31	14 49.95	−26 11.1	1.197	2.164	10.9	18.7
6 10	14 45.67	−24 48.8	1.233	2.152	15.2	19.0

391284 2006 SM_{194} 5 9.5 155°.87 0°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.07	−19 11.9	2.406	3.206	12.4	21.6
4 11	15 26.04	−18 44.7	2.319	3.209	9.7	21.4
4 21	15 20.17	−18 9.4	2.254	3.211	6.5	21.2
5 1	15 12.98	−17 27.6	2.216	3.214	3.0	21.0
5 11	15 5.20	−16 42.3	2.206	3.216	0.6	20.8
5 21	14 57.59	−15 56.9	2.225	3.218	4.2	21.1
5 31	14 50.89	−15 15.3	2.271	3.219	7.6	21.3
6 10	14 45.69	−14 41.0	2.343	3.221	10.6	21.5

501187 2013 TM_{109} 5 9.5 171°.25 3°.4/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.68	−27 36.6	2.291	3.056	13.9	21.9
4 11	15 31.53	−28 0.5	2.199	3.059	11.4	21.7
4 21	15 24.07	−28 13.2	2.129	3.062	8.4	21.6
5 1	15 14.89	−28 13.0	2.084	3.064	5.3	21.4
5 11	15 4.85	−28 0.0	2.067	3.066	3.4	21.2
5 21	14 54.94	−27 36.1	2.078	3.067	4.9	21.3
5 31	14 46.12	−27 5.2	2.117	3.068	7.9	21.5
6 10	14 39.15	−26 32.3	2.181	3.068	11.0	21.7

459944 2014 NE_{31} 5 9.5 236°.44 5°.5/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.39	− 7 2.7	1.639	2.465	16.1	21.7
4 11	15 31.13	− 6 6.9	1.551	2.453	12.8	21.5
4 21	15 24.14	− 5 8.6	1.484	2.441	9.2	21.2
5 1	15 15.03	− 4 13.3	1.441	2.428	6.1	21.0
5 11	15 4.82	− 3 27.7	1.424	2.415	6.0	21.0
5 21	14 54.68	− 2 57.3	1.433	2.401	9.1	21.1
5 31	14 45.81	− 2 46.1	1.466	2.386	13.1	21.3
6 10	14 39.13	− 2 55.4	1.520	2.371	16.8	21.5

513133 2000 SV_{248} 5 9.5 224°.15 4°.2/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.86	− 4 17.3	2.991	3.798	10.1	22.5
4 11	15 24.70	− 3 19.3	2.897	3.786	8.0	22.4
4 21	15 19.10	− 2 21.1	2.827	3.774	5.9	22.2
5 1	15 12.45	− 1 26.5	2.785	3.762	4.4	22.1
5 11	15 5.30	− 0 39.0	2.773	3.749	4.6	22.1
5 21	14 58.22	− 0 1.9	2.788	3.735	6.3	22.2
5 31	14 51.78	+ 0 22.7	2.831	3.721	8.6	22.3
6 10	14 46.47	+ 0 33.6	2.897	3.707	10.7	22.4

159000 2004 SA_{41} 5 9.5 250°.81 1°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.39	−22 0.4	2.335	3.120	13.1	21.1
4 11	15 29.78	−21 57.3	2.221	3.100	10.5	20.9
4 21	15 22.96	−21 45.0	2.129	3.079	7.3	20.6
5 1	15 14.43	−21 23.5	2.064	3.058	3.8	20.4
5 11	15 4.94	−20 54.2	2.027	3.035	1.2	20.1
5 21	14 55.40	−20 19.6	2.018	3.012	4.4	20.3
5 31	14 46.74	−19 43.8	2.038	2.989	8.2	20.5
6 10	14 39.75	−19 11.1	2.082	2.965	11.6	20.7

140902 2001 VK_{49} 5 9.5 104°.27 1°.5/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.46	−13 14.2	2.259	3.067	12.8	20.3
4 11	15 27.98	−13 9.9	2.176	3.071	10.0	20.1
4 21	15 21.53	−13 2.4	2.116	3.075	6.7	19.9
5 1	15 13.65	−12 53.6	2.082	3.079	3.2	19.7
5 11	15 5.10	−12 45.6	2.076	3.083	1.8	19.6
5 21	14 56.71	−12 40.7	2.099	3.087	4.9	19.8
5 31	14 49.29	−12 41.1	2.149	3.091	8.3	20.0
6 10	14 43.46	−12 48.7	2.223	3.095	11.4	20.2

420860 2013 KG_{1} 5 9.5 350°.26 4°.3/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.32	−10 42.2	1.007	1.878	20.5	19.9
4 11	15 25.42	−10 21.3	0.938	1.868	16.2	19.6
4 21	15 21.01	− 9 56.4	0.886	1.860	11.2	19.3
5 1	15 13.77	− 9 33.1	0.854	1.853	6.1	19.0
5 11	15 5.06	− 9 17.9	0.843	1.847	4.8	18.9
5 21	14 56.52	− 9 16.2	0.853	1.844	9.4	19.1
5 31	14 49.78	− 9 32.2	0.882	1.842	14.7	19.4
6 10	14 46.00	−10 7.0	0.930	1.842	19.6	19.7

225952 2002 CO_{5} 5 9.5 121°.09 1°.7/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.91	−23 35.7	2.041	2.830	14.7	21.0
4 11	15 30.18	−23 34.7	1.962	2.842	11.7	20.8
4 21	15 23.13	−23 22.6	1.904	2.853	8.2	20.6
5 1	15 14.42	−22 59.6	1.872	2.864	4.4	20.4
5 11	15 4.98	−22 27.4	1.867	2.875	1.7	20.3
5 21	14 55.80	−21 49.5	1.890	2.885	4.6	20.5
5 31	14 47.84	−21 10.5	1.940	2.895	8.3	20.7
6 10	14 41.81	−20 35.1	2.015	2.904	11.6	20.9

282593 2005 EQ_{264} 5 9.5 202°.42 3°.6/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.06	− 9 23.2	2.432	3.245	11.9	21.4
4 11	15 25.96	− 8 20.5	2.344	3.241	9.3	21.2
4 21	15 20.10	− 7 14.4	2.281	3.238	6.5	21.0
5 1	15 12.97	− 6 8.7	2.244	3.233	4.1	20.9
5 11	15 5.26	− 5 8.3	2.236	3.229	4.0	20.9
5 21	14 57.69	− 4 17.1	2.257	3.224	6.4	21.0
5 31	14 50.97	− 3 38.8	2.304	3.218	9.2	21.2
6 10	14 45.66	− 3 15.0	2.375	3.212	11.9	21.3

366488 2002 NO_{66} 5 9.5 298°.85 2°.4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.14	−13 55.4	1.465	2.300	17.2	21.9
4 11	15 29.18	−13 34.7	1.368	2.278	13.6	21.7
4 21	15 23.22	−13 6.8	1.290	2.256	9.3	21.3
5 1	15 14.78	−12 34.6	1.235	2.233	4.6	21.0
5 11	15 4.91	−12 2.6	1.205	2.212	2.8	20.8
5 21	14 54.92	−11 35.8	1.199	2.190	7.4	21.0
5 31	14 46.22	−11 19.5	1.218	2.168	12.5	21.3
6 10	14 39.93	−11 17.7	1.257	2.147	17.1	21.5

226343 2003 FL_{120} 5 9.5 357°.14 1°.6/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.12	−22 6.9	1.486	2.307	17.7	20.1
4 11	15 28.21	−22 12.6	1.406	2.305	14.1	19.9
4 21	15 22.37	−22 5.9	1.345	2.303	9.8	19.6
5 1	15 14.26	−21 46.7	1.307	2.302	5.1	19.3
5 11	15 5.02	−21 17.2	1.293	2.302	1.7	19.1
5 21	14 55.98	−20 41.6	1.305	2.302	5.7	19.3
5 31	14 48.41	−20 5.8	1.341	2.303	10.4	19.6
6 10	14 43.27	−19 35.8	1.398	2.304	14.7	19.9

512548 2016 SS_{10} 5 9.5 230°.93 0°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.75	−20 24.1	2.851	3.638	11.0	22.9
4 11	15 26.41	−20 12.5	2.745	3.626	8.7	22.7
4 21	15 20.39	−19 53.8	2.662	3.614	5.9	22.5
5 1	15 13.12	−19 28.7	2.606	3.602	2.9	22.3
5 11	15 5.24	−18 58.9	2.579	3.589	0.6	22.0
5 21	14 57.40	−18 26.7	2.582	3.576	3.6	22.3
5 31	14 50.28	−17 55.4	2.614	3.562	6.7	22.5
6 10	14 44.45	−17 27.8	2.671	3.548	9.5	22.6

390458 2013 YX_{97} 5 9.5 167°.88 1°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.47	−21 41.7	2.429	3.215	12.7	22.5
4 11	15 28.73	−21 37.6	2.339	3.219	10.0	22.3
4 21	15 22.03	−21 25.0	2.272	3.222	6.9	22.1
5 1	15 13.91	−21 4.3	2.231	3.225	3.5	21.9
5 11	15 5.11	−20 37.2	2.219	3.227	1.0	21.7
5 21	14 56.47	−20 6.4	2.235	3.229	4.0	22.0
5 31	14 48.78	−19 35.5	2.280	3.231	7.4	22.2
6 10	14 42.69	−19 8.1	2.349	3.232	10.5	22.4

366520 2002 PY_{188} 5 9.5 359°.14 6°.0/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.29	−30 42.1	1.348	2.151	20.1	20.9
4 11	15 29.76	−31 16.7	1.270	2.149	16.8	20.7
4 21	15 23.77	−31 31.6	1.209	2.147	12.8	20.4
5 1	15 15.03	−31 22.8	1.169	2.147	8.7	20.2
5 11	15 4.89	−30 49.8	1.151	2.147	6.1	20.0
5 21	14 54.97	−29 56.2	1.157	2.148	7.5	20.1
5 31	14 46.83	−28 50.2	1.186	2.149	11.4	20.3
6 10	14 41.62	−27 42.1	1.236	2.151	15.5	20.6

380980 2006 SN_{110} 5 9.5 144°.61 2°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.40	−11 55.4	2.586	3.380	11.8	23.0
4 11	15 30.61	−11 27.4	2.510	3.397	9.2	22.9
4 21	15 23.06	−10 56.5	2.457	3.412	6.2	22.7
5 1	15 14.31	−10 24.9	2.433	3.427	3.2	22.5
5 11	15 5.06	− 9 55.5	2.438	3.441	2.4	22.5
5 21	14 56.07	− 9 31.0	2.473	3.453	5.0	22.7
5 31	14 48.02	− 9 14.0	2.537	3.465	7.9	22.9
6 10	14 41.47	− 9 6.0	2.626	3.475	10.6	23.1

251784 1999 RN_{185} 5 9.5 269°.16 4°.3/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.98	−27 37.6	1.659	2.449	17.5	20.9
4 11	15 32.16	−28 7.2	1.559	2.434	14.4	20.6
4 21	15 25.23	−28 22.9	1.478	2.419	10.7	20.3
5 1	15 15.74	−28 21.7	1.420	2.404	6.8	20.1
5 11	15 4.77	−28 2.7	1.387	2.388	4.3	19.9
5 21	14 53.73	−27 28.0	1.380	2.372	6.4	20.0
5 31	14 44.05	−26 43.3	1.398	2.356	10.5	20.2
6 10	14 36.87	−25 56.2	1.439	2.340	14.6	20.4

363980 2005 UN_{198} 5 9.5 322°.66 0°.6/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.44	−22 40.5	1.970	2.779	14.4	20.8
4 11	15 24.64	−22 4.8	1.871	2.764	11.5	20.6
4 21	15 19.60	−21 15.4	1.793	2.750	7.9	20.3
5 1	15 12.88	−20 13.7	1.739	2.736	3.9	20.0
5 11	15 5.30	−19 3.4	1.713	2.722	0.7	19.8
5 21	14 57.82	−17 49.6	1.714	2.709	4.8	20.0
5 31	14 51.39	−16 38.8	1.741	2.697	8.9	20.3
6 10	14 46.74	−15 36.6	1.791	2.685	12.6	20.5

131841 2002 AK_{117} 5 9.5 53°.16 5°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.21	− 8 2.9	1.374	2.215	17.8	19.6
4 11	15 29.65	− 7 9.6	1.308	2.220	14.0	19.4
4 21	15 23.19	− 6 14.2	1.262	2.225	9.9	19.2
5 1	15 14.58	− 5 23.0	1.239	2.230	6.3	19.0
5 11	15 5.02	− 4 42.9	1.241	2.236	6.0	19.0
5 21	14 55.82	− 4 19.4	1.267	2.242	9.3	19.2
5 31	14 48.18	− 4 15.7	1.316	2.248	13.4	19.4
6 10	14 42.96	− 4 32.2	1.385	2.254	17.1	19.7

394676 2008 CP_{78} 5 9.5 100°.27 1°.9/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.02	−24 34.0	2.451	3.230	12.8	22.0
4 11	15 28.31	−24 37.5	2.374	3.246	10.2	21.9
4 21	15 21.69	−24 31.1	2.318	3.262	7.2	21.7
5 1	15 13.72	−24 15.0	2.289	3.278	4.0	21.5
5 11	15 5.18	−23 50.5	2.288	3.294	1.9	21.4
5 21	14 56.88	−23 20.3	2.316	3.310	4.0	21.6
5 31	14 49.59	−22 47.8	2.372	3.325	7.1	21.8
6 10	14 43.89	−22 17.0	2.453	3.340	9.9	22.0

297289 1997 WF 5 9.5 65°.63 1°.8/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 42.20	−24 44.6	1.362	2.165	20.0	21.0
4 11	15 36.29	−24 20.4	1.321	2.208	15.7	20.9
4 21	15 27.27	−23 39.2	1.299	2.251	10.8	20.7
5 1	15 16.27	−22 42.5	1.300	2.293	5.5	20.5
5 11	15 4.79	−21 35.5	1.327	2.335	1.8	20.4
5 21	14 54.28	−20 25.4	1.380	2.376	5.7	20.7
5 31	14 45.91	−19 20.2	1.459	2.417	10.2	21.1
6 10	14 40.31	−18 26.2	1.561	2.456	14.1	21.4

281423 2008 RZ_{138} 5 9.5 129°.16 4°.0/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.23	− 7 3.0	2.378	3.189	12.2	21.0
4 11	15 27.52	− 6 12.8	2.309	3.203	9.5	20.9
4 21	15 21.07	− 5 22.2	2.263	3.217	6.7	20.7
5 1	15 13.40	− 4 34.9	2.245	3.230	4.4	20.6
5 11	15 5.25	− 3 55.0	2.254	3.243	4.3	20.6
5 21	14 57.35	− 3 25.8	2.292	3.256	6.5	20.8
5 31	14 50.41	− 3 9.4	2.357	3.268	9.2	20.9
6 10	14 44.95	− 3 6.8	2.445	3.279	11.7	21.1

250347 2003 SN_{195} 5 9.5 255°.04 2°.6/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.43	−25 51.3	1.686	2.483	16.9	20.7
4 11	15 30.69	−25 47.0	1.588	2.471	13.8	20.5
4 21	15 24.04	−25 27.0	1.511	2.459	9.9	20.2
5 1	15 15.09	−24 50.4	1.456	2.447	5.6	19.9
5 11	15 4.93	−23 58.7	1.427	2.434	2.6	19.7
5 21	14 54.82	−22 56.5	1.425	2.421	5.6	19.8
5 31	14 46.06	−21 50.7	1.448	2.408	10.1	20.1
6 10	14 39.66	−20 49.0	1.495	2.394	14.3	20.3

20635 1999 TV_{96} 5 9.5 183°.20 7°.0/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.67	+ 3 14.2	2.603	3.411	11.3	17.4
4 11	15 23.95	+ 4 42.2	2.533	3.411	9.4	17.3
4 21	15 18.67	+ 6 5.8	2.487	3.411	7.8	17.2
5 1	15 12.30	+ 7 19.3	2.467	3.411	7.0	17.1
5 11	15 5.44	+ 8 17.9	2.475	3.410	7.5	17.2
5 21	14 58.73	+ 8 58.1	2.509	3.410	9.0	17.3
5 31	14 52.80	+ 9 18.3	2.566	3.409	10.9	17.4
6 10	14 48.13	+ 9 18.9	2.645	3.408	12.8	17.5

281840 2010 AB_{79} 5 9.5 44°.51 1°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.96	−13 39.8	1.762	2.582	15.4	20.1
4 11	15 29.72	−13 40.8	1.687	2.588	12.0	19.9
4 21	15 23.01	−13 38.1	1.633	2.595	8.1	19.7
5 1	15 14.46	−13 33.5	1.603	2.601	3.9	19.5
5 11	15 5.07	−13 29.4	1.600	2.608	1.8	19.3
5 21	14 55.90	−13 28.4	1.624	2.615	5.7	19.6
5 31	14 48.01	−13 33.3	1.674	2.623	9.8	19.9
6 10	14 42.16	−13 46.1	1.747	2.630	13.4	20.1

506953 2008 KC_{34} 5 9.5 298°.40 2°.4/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.76	−24 41.9	1.694	2.499	16.6	21.4
4 11	15 28.61	−24 45.0	1.594	2.482	13.4	21.2
4 21	15 22.66	−24 34.4	1.514	2.465	9.6	20.9
5 1	15 14.47	−24 9.0	1.457	2.449	5.4	20.6
5 11	15 5.04	−23 30.3	1.426	2.432	2.4	20.4
5 21	14 55.60	−22 42.0	1.420	2.416	5.5	20.5
5 31	14 47.42	−21 50.3	1.440	2.400	10.0	20.7
6 10	14 41.48	−21 1.9	1.482	2.385	14.2	20.9

70481 1999 TX_{43} 5 9.5 35°.48 4°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.09	−27 56.7	1.749	2.536	16.8	19.1
4 11	15 31.04	−28 38.5	1.669	2.541	13.8	18.9
4 21	15 24.16	−29 7.2	1.609	2.546	10.3	18.7
5 1	15 15.10	−29 20.0	1.572	2.552	6.7	18.5
5 11	15 4.96	−29 16.2	1.560	2.558	4.5	18.4
5 21	14 54.99	−28 57.9	1.575	2.564	6.1	18.5
5 31	14 46.45	−28 29.9	1.615	2.571	9.5	18.7
6 10	14 40.23	−27 58.4	1.678	2.577	13.0	18.9

19410 Guisard 5 9.5 302°.85 2°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.32	−16 52.5	1.439	2.274	17.4	18.6
4 11	15 27.64	−16 3.1	1.352	2.263	13.7	18.3
4 21	15 22.04	−15 0.9	1.284	2.251	9.3	18.0
5 1	15 14.16	−13 49.4	1.240	2.239	4.4	17.7
5 11	15 5.11	−12 35.0	1.221	2.228	2.5	17.5
5 21	14 56.19	−11 25.4	1.227	2.217	7.2	17.8
5 31	14 48.66	−10 28.1	1.256	2.207	12.2	18.0
6 10	14 43.52	− 9 48.7	1.307	2.196	16.6	18.3

186099 2001 TY_{18} 5 9.5 234°.55 0°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.65	−18 15.0	2.116	2.918	13.8	21.5
4 11	15 29.29	−17 49.0	2.014	2.906	10.9	21.3
4 21	15 22.67	−17 14.1	1.935	2.892	7.4	21.1
5 1	15 14.33	−16 31.9	1.881	2.879	3.5	20.8
5 11	15 5.10	−15 45.4	1.855	2.865	1.0	20.6
5 21	14 55.93	−14 58.7	1.858	2.850	5.0	20.8
5 31	14 47.75	−14 16.5	1.888	2.834	9.0	21.0
6 10	14 41.35	−13 42.9	1.942	2.818	12.6	21.2

370145 2001 XS_{93} 5 9.5 112°.06 0°.4/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 37.99	−15 47.0	1.911	2.715	15.0	21.2
4 11	15 32.68	−16 2.2	1.835	2.727	11.7	21.0
4 21	15 24.91	−16 12.9	1.780	2.738	7.9	20.8
5 1	15 15.34	−16 19.7	1.752	2.749	3.7	20.6
5 11	15 4.95	−16 23.9	1.751	2.760	0.8	20.4
5 21	14 54.81	−16 27.6	1.778	2.771	5.1	20.7
5 31	14 45.94	−16 33.2	1.832	2.781	9.1	20.9
6 10	14 39.11	−16 43.5	1.911	2.791	12.6	21.2

471800 2012 VX_{88} 5 9.5 223°.09 0°.9/ 8.9 17

4 1	15 31.63	−15 58.5	2.302	3.107	12.7	22.1
4 11	15 27.42	−15 42.1	2.209	3.103	9.9	21.9
4 21	15 21.24	−15 20.0	2.139	3.098	6.7	21.7
5 1	15 13.61	−14 53.8	2.095	3.093	3.1	21.5
5 11	15 5.25	−14 26.1	2.079	3.087	1.2	21.3
5 21	14 57.00	−14 0.1	2.091	3.082	4.7	21.6
5 31	14 49.67	−13 38.8	2.131	3.076	8.2	21.8
6 10	14 43.90	−13 25.2	2.195	3.070	11.4	21.9

390801 2004 FL_{104} 5 9.5 131°.52 3°.1/ 7.0 17

4 1	15 29.92	−10 45.3	2.296	3.111	12.4	21.7
4 11	15 25.93	− 9 56.4	2.217	3.117	9.7	21.5
4 21	15 20.12	− 9 4.1	2.162	3.122	6.6	21.3
5 1	15 13.03	− 8 11.9	2.134	3.127	3.8	21.2
5 11	15 5.37	− 7 24.1	2.134	3.132	3.4	21.2
5 21	14 57.92	− 6 44.4	2.161	3.137	6.0	21.3
5 31	14 51.39	− 6 16.0	2.215	3.141	9.0	21.5
6 10	14 46.35	− 6 0.7	2.293	3.146	11.8	21.7

184843 2005 UO_{42} 5 9.5 229°.07 0°.1/ 9.6 17

4 1	15 30.44	−19 11.8	2.664	3.457	11.5	20.8
4 11	15 26.27	−19 1.8	2.565	3.451	9.0	20.6
4 21	15 20.36	−18 45.0	2.489	3.444	6.1	20.4
5 1	15 13.17	−18 22.5	2.440	3.436	2.9	20.2
5 11	15 5.34	−17 56.1	2.419	3.429	0.5	20.0
5 21	14 57.59	−17 28.4	2.428	3.421	3.8	20.3
5 31	14 50.62	−17 2.3	2.464	3.413	7.1	20.4
6 10	14 45.01	−16 40.8	2.526	3.405	9.9	20.6

414198 2008 DE_{6} 5 9.5 120°.58 2°.5/11.1 14 C

4 1	15 38.01	−25 33.0	1.888	2.671	15.9	22.5
4 11	15 32.81	−25 37.5	1.813	2.687	12.7	22.3
4 21	15 25.03	−25 28.8	1.759	2.703	9.1	22.1
5 1	15 15.40	−25 6.4	1.729	2.718	5.2	21.9
5 11	15 4.97	−24 32.0	1.727	2.733	2.5	21.7
5 21	14 54.89	−23 49.1	1.753	2.747	5.0	21.9
5 31	14 46.23	−23 3.2	1.805	2.760	8.8	22.2
6 10	14 39.75	−22 20.2	1.882	2.773	12.2	22.4

96853 1999 RQ_{236} 5 9.5 183°.76 1°.1/ 8.7 18

4 1	15 34.08	−14 40.3	2.553	3.349	11.9	20.4
4 11	15 29.06	−14 27.7	2.461	3.350	9.3	20.2
4 21	15 22.21	−14 10.8	2.393	3.350	6.2	20.0
5 1	15 14.03	−13 51.2	2.352	3.349	3.0	19.8
5 11	15 5.20	−13 31.2	2.340	3.348	1.4	19.7
5 21	14 56.50	−13 13.2	2.357	3.346	4.5	19.9
5 31	14 48.66	−12 59.7	2.403	3.343	7.7	20.1
6 10	14 42.28	−12 53.0	2.475	3.340	10.6	20.3

279218 2009 UY_{72} 5 9.5 157°.41 0°.9/ 9.0 18

4 1	15 34.55	−16 0.3	2.018	2.825	14.2	21.2
4 11	15 29.92	−15 51.5	1.935	2.829	11.1	21.0
4 21	15 23.03	−15 36.9	1.874	2.833	7.5	20.8
5 1	15 14.47	−15 18.0	1.838	2.836	3.5	20.5
5 11	15 5.13	−14 57.3	1.830	2.839	1.2	20.4
5 21	14 55.97	−14 37.9	1.850	2.841	5.1	20.6
5 31	14 47.93	−14 23.2	1.897	2.844	9.0	20.9
6 10	14 41.74	−14 16.1	1.967	2.846	12.4	21.1

193688 2001 FY_{2} 5 9.5 61°.27 2°.0/ 8.2 18

4 1	15 32.67	−15 44.3	1.710	2.531	15.7	19.9
4 11	15 28.49	−14 54.5	1.655	2.558	12.1	19.8
4 21	15 21.97	−13 57.1	1.621	2.584	8.1	19.6
5 1	15 13.88	−12 56.1	1.612	2.610	3.8	19.4
5 11	15 5.25	−11 56.9	1.631	2.637	2.4	19.3
5 21	14 57.11	−11 4.7	1.676	2.663	6.0	19.6
5 31	14 50.35	−10 24.1	1.747	2.690	9.9	19.9
6 10	14 45.60	− 9 57.8	1.840	2.716	13.2	20.2

20592 1999 RV_{177} 5 9.5 226°.68 3°.8/ 6.1 18

4 1	15 28.66	− 7 8.8	2.611	3.424	11.1	18.7
4 11	15 24.79	− 6 19.3	2.522	3.418	8.8	18.6
4 21	15 19.30	− 5 28.4	2.458	3.412	6.2	18.4
5 1	15 12.65	− 4 40.0	2.420	3.406	4.2	18.3
5 11	15 5.44	− 3 57.7	2.411	3.400	4.1	18.2
5 21	14 58.35	− 3 24.8	2.430	3.393	6.2	18.4
5 31	14 52.01	− 3 4.0	2.475	3.386	8.8	18.5
6 10	14 46.95	− 2 56.4	2.545	3.379	11.3	18.7

92947 2000 RO_{41} 5 9.5 120°.80 5°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 38.81	−35 1.3	2.367	3.096	14.5	19.3
4 11	15 33.16	−35 28.1	2.288	3.115	12.2	19.2
4 21	15 25.14	−35 39.3	2.230	3.134	9.6	19.1
5 1	15 15.42	−35 32.4	2.197	3.151	7.0	18.9
5 11	15 4.97	−35 7.2	2.190	3.169	5.4	18.9
5 21	14 54.83	−34 26.0	2.211	3.185	5.9	18.9
5 31	14 45.96	−33 33.6	2.260	3.201	8.0	19.1
6 10	14 39.09	−32 36.1	2.334	3.217	10.5	19.2

28470 2000 BJ_{12} 5 9.5 334°.55 2°.4/ 8.3 18

4 1	15 28.36	−14 24.6	1.284	2.134	18.3	18.8
4 11	15 26.45	−13 59.3	1.201	2.120	14.4	18.5
4 21	15 21.45	−13 25.6	1.138	2.107	9.8	18.2
5 1	15 13.98	−12 46.9	1.096	2.095	4.8	17.9
5 11	15 5.19	−12 8.8	1.077	2.084	2.9	17.8
5 21	14 56.48	−11 37.2	1.082	2.074	7.6	18.0
5 31	14 49.25	−11 17.9	1.109	2.065	12.8	18.3
6 10	14 44.57	−11 14.6	1.156	2.057	17.4	18.5

281013 2006 EE_{13} 5 9.5 99°.47 2°.8/ 7.6 17

4 1	15 31.64	−12 26.3	1.930	2.750	14.2	20.9
4 11	15 27.63	−11 44.8	1.855	2.757	11.1	20.7
4 21	15 21.44	−10 58.4	1.802	2.764	7.5	20.5
5 1	15 13.70	−10 10.8	1.775	2.771	4.0	20.3
5 11	15 5.28	− 9 26.6	1.775	2.778	3.1	20.3
5 21	14 57.11	− 8 49.9	1.802	2.784	6.2	20.5
5 31	14 50.08	− 8 24.4	1.855	2.791	9.8	20.7
6 10	14 44.85	− 8 12.3	1.931	2.798	13.1	20.9

106942 2000 YY_{70} 5 9.5 164°.42 1°.0/ 8.6 18

4 1	15 29.94	−15 22.1	2.971	3.768	10.3	20.9
4 11	15 25.57	−14 58.8	2.883	3.772	8.0	20.7
4 21	15 19.71	−14 31.1	2.819	3.776	5.4	20.6
5 1	15 12.82	−14 0.6	2.783	3.780	2.5	20.4
5 11	15 5.45	−13 29.6	2.776	3.783	1.2	20.3
5 21	14 58.22	−13 0.7	2.798	3.786	3.9	20.5
5 31	14 51.71	−12 36.3	2.850	3.789	6.7	20.7
6 10	14 46.40	−12 18.5	2.926	3.791	9.2	20.8

382477 2000 WA_{192} 5 9.5 207°.33 4°.0/ 6.4 18

4 1	15 33.41	− 6 3.8	2.564	3.368	11.6	21.7
4 11	15 28.52	− 5 24.1	2.471	3.361	9.2	21.5
4 21	15 21.85	− 4 44.1	2.402	3.353	6.6	21.3
5 1	15 13.87	− 4 7.4	2.361	3.345	4.4	21.2
5 11	15 5.27	− 3 37.4	2.348	3.336	4.3	21.2
5 21	14 56.76	− 3 17.2	2.364	3.326	6.4	21.3
5 31	14 49.05	− 3 8.9	2.407	3.315	9.1	21.4
6 10	14 42.75	− 3 13.5	2.474	3.304	11.7	21.6

36312 2000 KO_{50} 5 9.5 317°.89 6°.9/ 6.5 17

4 1	15 31.13	− 5 46.0	1.195	2.049	19.1	18.4
4 11	15 28.83	− 5 1.5	1.114	2.032	15.4	18.1
4 21	15 23.22	− 4 16.8	1.051	2.015	11.2	17.8
5 1	15 14.89	− 3 39.1	1.009	1.999	7.6	17.6
5 11	15 5.07	− 3 16.3	0.990	1.983	7.4	17.5
5 21	14 55.23	− 3 14.5	0.993	1.968	11.0	17.6
5 31	14 46.94	− 3 37.2	1.016	1.954	15.7	17.8
6 10	14 41.38	− 4 24.1	1.058	1.941	20.1	18.1

110775 2001 UU_{29} 5 9.5 169°.34 1°.2/ 8.7 17

4 1	15 35.55	−14 57.6	2.334	3.132	12.8	21.0
4 11	15 30.35	−14 43.6	2.248	3.137	10.0	20.8
4 21	15 23.15	−14 24.8	2.184	3.141	6.7	20.6
5 1	15 14.50	−14 2.8	2.147	3.144	3.2	20.4
5 11	15 5.17	−13 40.1	2.139	3.147	1.5	20.2
5 21	14 56.01	−13 19.6	2.161	3.149	4.8	20.5
5 31	14 47.83	−13 4.0	2.210	3.150	8.2	20.7
6 10	14 41.29	−12 55.8	2.284	3.151	11.3	20.9

76817 2000 RX_{43} 5 9.5 233°.17 3°.8/12.4 18

4 1	15 32.62	−30 14.3	2.534	3.291	13.0	19.5
4 11	15 28.30	−30 31.5	2.433	3.285	10.7	19.3
4 21	15 21.92	−30 36.8	2.353	3.279	8.1	19.1
5 1	15 13.98	−30 28.5	2.299	3.272	5.5	18.9
5 11	15 5.25	−30 7.0	2.272	3.266	3.8	18.8
5 21	14 56.58	−29 34.1	2.273	3.259	4.8	18.9
5 31	14 48.84	−28 53.4	2.301	3.252	7.4	19.0
6 10	14 42.73	−28 9.7	2.355	3.245	10.1	19.2

272903 2006 BD_{155} 5 9.5 136°.48 0°.4/ 9.3 17

4 1	15 33.05	−17 41.7	1.926	2.736	14.6	21.6
4 11	15 28.91	−17 31.8	1.842	2.737	11.5	21.4
4 21	15 22.44	−17 14.3	1.780	2.739	7.8	21.2
5 1	15 14.24	−16 50.8	1.743	2.741	3.6	20.9
5 11	15 5.21	−16 23.9	1.733	2.742	0.8	20.7
5 21	14 56.36	−15 57.0	1.750	2.744	5.1	21.0
5 31	14 48.67	−15 34.1	1.794	2.745	9.1	21.3
6 10	14 42.88	−15 18.7	1.861	2.746	12.6	21.5

89978 2002 TA_{27} 5 9.6 159°.33 0°.1/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.69	−19 32.4	2.301	3.099	12.9	20.2
4 11	15 27.46	−19 16.2	2.214	3.102	10.1	20.0
4 21	15 21.25	−18 51.9	2.149	3.105	6.9	19.8
5 1	15 13.62	−18 20.8	2.110	3.107	3.3	19.6
5 11	15 5.33	−17 45.3	2.100	3.109	0.5	19.4
5 21	14 57.20	−17 8.8	2.117	3.111	4.3	19.7
5 31	14 50.04	−16 34.9	2.163	3.113	7.8	19.9
6 10	14 44.48	−16 7.2	2.233	3.115	11.0	20.1

375885 2009 VE_{63} 5 9.6 106°.88 1°.2/10.4 17

4 1	15 32.83	−23 36.1	1.933	2.730	15.1	21.0
4 11	15 28.71	−23 11.3	1.853	2.739	12.0	20.9
4 21	15 22.25	−22 33.4	1.795	2.747	8.3	20.6
5 1	15 14.11	−21 43.6	1.762	2.756	4.2	20.4
5 11	15 5.25	−20 45.0	1.756	2.765	1.2	20.2
5 21	14 56.68	−19 42.7	1.777	2.773	4.7	20.5
5 31	14 49.36	−18 42.3	1.826	2.781	8.6	20.7
6 10	14 43.98	−17 49.2	1.898	2.789	12.1	20.9

66326 1999 JR_{55} 5 9.6 278°.17 3°.0/ 7.7 18

4 1	15 32.18	−14 11.3	1.539	2.370	16.7	19.1
4 11	15 28.99	−13 22.0	1.444	2.353	13.2	18.8
4 21	15 22.96	−12 22.7	1.370	2.335	9.0	18.5
5 1	15 14.66	−11 17.3	1.319	2.317	4.6	18.2
5 11	15 5.13	−10 12.1	1.294	2.299	3.4	18.1
5 21	14 55.62	− 9 14.0	1.295	2.281	7.6	18.3
5 31	14 47.38	− 8 29.4	1.320	2.263	12.4	18.5
6 10	14 41.42	− 8 3.0	1.365	2.244	16.7	18.7

205621 2001 UP_{220} 5 9.6 101°.26 1°.5/10.4 18

4 1	15 36.89	−22 34.2	1.484	2.295	18.2	20.7
4 11	15 32.59	−22 30.5	1.414	2.306	14.5	20.5
4 21	15 25.23	−22 13.3	1.362	2.318	10.0	20.2
5 1	15 15.61	−21 42.7	1.334	2.329	5.2	20.0
5 11	15 5.00	−21 1.6	1.331	2.340	1.5	19.8
5 21	14 54.78	−20 15.0	1.354	2.351	5.7	20.1
5 31	14 46.24	−19 29.4	1.402	2.361	10.4	20.4
6 10	14 40.26	−18 51.2	1.473	2.371	14.5	20.6

12410 Donald Duck 5 9.6 84°.53 5°.1/12.4 18

4 1	15 39.14	−29 44.2	1.620	2.400	18.2	19.1
4 11	15 34.31	−30 20.8	1.552	2.418	15.0	18.9
4 21	15 26.38	−30 40.8	1.503	2.436	11.2	18.7
5 1	15 16.15	−30 41.3	1.477	2.454	7.5	18.5
5 11	15 4.91	−30 22.2	1.476	2.471	5.1	18.4
5 21	14 54.08	−29 46.5	1.501	2.489	6.5	18.6
5 31	14 44.98	−29 0.6	1.551	2.506	9.9	18.8
6 10	14 38.51	−28 12.5	1.624	2.523	13.4	19.0

63473 2001 OZ_{25} 5 9.6 205°.47 0°.3/ 9.3 18

4 1	15 31.38	−18 21.5	2.426	3.224	12.3	20.0
4 11	15 27.15	−18 2.6	2.332	3.221	9.7	19.8
4 21	15 21.03	−17 36.4	2.261	3.218	6.5	19.6
5 1	15 13.52	−17 4.5	2.217	3.214	3.1	19.4
5 11	15 5.35	−16 29.2	2.200	3.210	0.7	19.2
5 21	14 57.30	−15 53.7	2.213	3.206	4.3	19.4
5 31	14 50.13	−15 21.6	2.253	3.201	7.7	19.6
6 10	14 44.47	−14 55.9	2.319	3.196	10.8	19.8

140713 2001 UB_{89} 5 9.6 285°.91 4°.8/ 6.5 17

4 1	15 31.56	− 4 41.0	2.143	2.960	13.1	19.9
4 11	15 27.49	− 4 11.9	2.053	2.949	10.4	19.7
4 21	15 21.37	− 3 44.3	1.986	2.939	7.6	19.5
5 1	15 13.73	− 3 22.2	1.944	2.928	5.2	19.3
5 11	15 5.31	− 3 9.4	1.929	2.917	5.1	19.3
5 21	14 56.98	− 3 8.7	1.942	2.907	7.4	19.4
5 31	14 49.57	− 3 22.0	1.980	2.896	10.4	19.6
6 10	14 43.77	− 3 49.4	2.041	2.886	13.3	19.7

242427 2004 NW_{11} 5 9.6 266°.67 8°.0/ 2.2 18

4 1	15 30.03	+ 7 33.6	2.548	3.344	11.9	20.7
4 11	15 25.95	+ 8 36.1	2.464	3.327	10.2	20.5
4 21	15 20.16	+ 9 31.3	2.402	3.311	8.7	20.4
5 1	15 13.11	+10 13.7	2.365	3.294	8.0	20.3
5 11	15 5.43	+10 38.7	2.354	3.276	8.5	20.3
5 21	14 57.82	+10 43.7	2.368	3.259	9.9	20.4
5 31	14 50.97	+10 27.6	2.406	3.241	11.8	20.5
6 10	14 45.46	+ 9 51.4	2.464	3.224	13.7	20.6

285707 2000 SJ_{240} 5 9.6 219°.72 1°.1/ 8.4 18

4 1	15 33.94	−21 3.1	2.213	3.006	13.6	20.5
4 11	15 29.27	−19 30.9	2.111	2.998	10.6	20.3
4 21	15 22.50	−17 42.9	2.033	2.990	7.2	20.0
5 1	15 14.22	−15 42.8	1.984	2.981	3.3	19.8
5 11	15 5.25	−13 37.0	1.964	2.972	1.6	19.6
5 21	14 56.50	−11 33.0	1.976	2.963	5.4	19.9
5 31	14 48.80	− 9 38.8	2.017	2.953	9.2	20.1
6 10	14 42.84	− 8 0.4	2.084	2.942	12.6	20.3

168361 1996 RB_{18} 5 9.6 187°.91 1°.0/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.05	−21 4.3	1.669	2.476	16.7	21.1
4 11	15 31.76	−21 2.9	1.584	2.476	13.3	20.8
4 21	15 24.65	−20 50.6	1.520	2.476	9.2	20.6
5 1	15 15.38	−20 27.6	1.479	2.475	4.6	20.3
5 11	15 5.05	−19 56.0	1.465	2.474	1.1	20.1
5 21	14 54.89	−19 19.9	1.477	2.473	5.5	20.4
5 31	14 46.13	−18 44.6	1.515	2.471	10.0	20.6
6 10	14 39.68	−18 15.5	1.576	2.469	14.1	20.9

262960 2007 DY_{88} 5 9.6 143°.81 2°.8/ 7.8 18

4 1	15 32.64	−12 28.1	1.800	2.623	15.0	20.8
4 11	15 28.66	−11 53.0	1.721	2.624	11.7	20.6
4 21	15 22.30	−11 12.7	1.664	2.626	8.0	20.4
5 1	15 14.19	−10 31.0	1.631	2.628	4.2	20.1
5 11	15 5.26	− 9 52.2	1.625	2.629	3.1	20.1
5 21	14 56.55	− 9 20.8	1.646	2.630	6.5	20.3
5 31	14 49.04	− 9 0.6	1.693	2.632	10.4	20.5
6 10	14 43.48	− 8 53.9	1.762	2.633	13.9	20.7

513005 2017 UN_{45} 5 9.6 235°.12 1°.9/ 8.1 18

4 1	15 33.43	−14 23.9	2.358	3.161	12.5	22.2
4 11	15 28.86	−13 44.6	2.252	3.145	9.8	22.0
4 21	15 22.28	−12 58.8	2.169	3.128	6.7	21.8
5 1	15 14.17	−12 8.9	2.114	3.110	3.3	21.5
5 11	15 5.26	−11 18.7	2.086	3.092	2.2	21.4
5 21	14 56.38	−10 32.0	2.088	3.072	5.4	21.6
5 31	14 48.36	− 9 53.0	2.118	3.053	8.9	21.8
6 10	14 41.88	− 9 24.7	2.172	3.032	12.1	21.9

297583 2001 SP_{16} 5 9.6 189°.18 2°.9/11.0 16

4 1	15 39.48	−24 48.3	1.745	2.533	16.8	21.5
4 11	15 34.50	−25 9.4	1.656	2.533	13.6	21.3
4 21	15 26.57	−25 18.6	1.586	2.532	9.8	21.1
5 1	15 16.33	−25 13.9	1.541	2.530	5.6	20.8
5 11	15 4.89	−24 55.7	1.523	2.528	2.9	20.6
5 21	14 53.58	−24 26.6	1.531	2.525	5.6	20.8
5 31	14 43.69	−23 51.9	1.566	2.521	9.8	21.0
6 10	14 36.21	−23 17.8	1.624	2.517	13.7	21.2

433200 2012 UM_{51} 5 9.6 300°.88 0°.5/ 9.8 17

4 1	15 35.29	−17 19.3	1.889	2.697	15.0	20.6
4 11	15 31.01	−17 47.2	1.790	2.683	11.9	20.3
4 21	15 24.14	−18 10.8	1.712	2.669	8.2	20.1
5 1	15 15.19	−18 30.0	1.659	2.656	4.0	19.8
5 11	15 5.09	−18 45.1	1.633	2.642	0.7	19.5
5 21	14 54.91	−18 57.5	1.634	2.629	5.1	19.8
5 31	14 45.80	−19 9.6	1.662	2.616	9.4	20.0
6 10	14 38.70	−19 24.1	1.714	2.603	13.3	20.2

236162 2005 UE_{427} 5 9.6 34°.64 2°.7/11.0 16

4 1	15 32.80	−25 28.8	1.190	2.017	20.8	20.7
4 11	15 30.20	−25 23.0	1.123	2.023	16.8	20.5
4 21	15 24.04	−24 57.5	1.073	2.030	11.9	20.2
5 1	15 15.19	−24 11.7	1.043	2.037	6.6	19.9
5 11	15 5.11	−23 9.3	1.037	2.044	2.7	19.7
5 21	14 55.45	−21 57.5	1.054	2.052	6.5	20.0
5 31	14 47.75	−20 46.2	1.094	2.060	11.7	20.3
6 10	14 43.02	−19 44.4	1.154	2.069	16.4	20.6

4728 Lyapidevskij 5 9.6 183°.38 1°.7/10.4 18

4 1	15 38.12	−22 2.9	1.770	2.567	16.3	18.0
4 11	15 33.28	−22 15.9	1.683	2.568	13.0	17.7
4 21	15 25.65	−22 18.6	1.616	2.568	9.1	17.5
5 1	15 15.86	−22 10.4	1.574	2.567	4.8	17.2
5 11	15 4.99	−21 52.5	1.558	2.567	1.7	17.0
5 21	14 54.26	−21 27.6	1.570	2.565	5.3	17.3
5 31	14 44.89	−21 0.6	1.608	2.563	9.6	17.5
6 10	14 37.80	−20 36.7	1.670	2.561	13.5	17.7

386029 2007 EK_{23} 5 9.6 343°.62 2°.9/12.6 18

4 1	15 27.91	−30 36.7	4.070	4.809	8.7	20.9
4 11	15 23.85	−31 3.8	3.968	4.807	7.2	20.7
4 21	15 18.54	−31 23.5	3.889	4.804	5.5	20.6
5 1	15 12.30	−31 35.0	3.837	4.802	3.9	20.5
5 11	15 5.60	−31 38.3	3.814	4.800	2.9	20.4
5 21	14 58.93	−31 34.2	3.819	4.798	3.4	20.4
5 31	14 52.76	−31 24.2	3.853	4.797	5.0	20.6
6 10	14 47.53	−31 10.5	3.914	4.795	6.7	20.7

62564 2000 SJ_{271} 5 9.6 287°.57 2°.8/ 7.9 18

4 1	15 32.74	−12 0.9	1.788	2.611	15.1	19.7
4 11	15 29.08	−11 37.8	1.686	2.589	11.9	19.4
4 21	15 22.87	−11 10.2	1.604	2.567	8.2	19.1
5 1	15 14.61	−10 40.9	1.548	2.544	4.3	18.9
5 11	15 5.19	−10 13.9	1.517	2.522	3.1	18.7
5 21	14 55.70	− 9 53.4	1.513	2.499	6.8	18.9
5 31	14 47.25	− 9 43.2	1.535	2.476	11.1	19.1
6 10	14 40.79	− 9 46.2	1.578	2.453	15.0	19.3

85565 1998 BD_9 5 9.6 49°.72 4°.9/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.01	−28 23.2	1.423	2.223	19.4	19.1
4 11	15 32.40	−28 57.0	1.348	2.228	15.9	18.9
4 21	15 25.43	−29 13.9	1.292	2.234	11.8	18.6
5 1	15 15.85	−29 10.8	1.258	2.240	7.6	18.4
5 11	15 5.00	−28 47.5	1.247	2.246	4.9	18.3
5 21	14 54.43	−28 7.6	1.261	2.253	6.8	18.4
5 31	14 45.64	−27 18.0	1.299	2.260	10.8	18.6
6 10	14 39.67	−26 27.5	1.359	2.267	14.9	18.9

216804 2006 SD_{381} 5 9.6 67°.23 7°.2/ 4.0 17

4 1	15 29.84	+ 2 33.5	2.222	3.035	12.9	20.6
4 11	15 25.88	+ 3 33.2	2.158	3.041	10.6	20.5
4 21	15 20.11	+ 4 26.9	2.116	3.048	8.5	20.3
5 1	15 13.07	+ 5 9.1	2.099	3.055	7.2	20.3
5 11	15 5.49	+ 5 35.4	2.108	3.061	7.6	20.3
5 21	14 58.14	+ 5 43.0	2.144	3.068	9.2	20.4
5 31	14 51.74	+ 5 31.2	2.203	3.075	11.4	20.6
6 10	14 46.84	+ 5 1.0	2.283	3.081	13.6	20.7

248661 2006 HY_{94} 5 9.6 164°.22 2°.0/ 8.0 18

4 1	15 31.15	−14 42.7	2.084	2.898	13.6	20.8
4 11	15 27.17	−13 57.2	2.000	2.899	10.5	20.6
4 21	15 21.13	−13 4.9	1.940	2.901	7.1	20.4
5 1	15 13.60	−12 8.8	1.906	2.903	3.5	20.2
5 11	15 5.40	−11 13.5	1.899	2.904	2.4	20.1
5 21	14 57.39	−10 23.5	1.920	2.905	5.6	20.3
5 31	14 50.42	− 9 43.1	1.968	2.906	9.2	20.5
6 10	14 45.14	− 9 15.1	2.039	2.907	12.4	20.7

174519 2003 CV_{25} 5 9.6 193°.28 4°.6/13.1 18

4 1	15 33.63	−32 40.5	2.448	3.195	13.6	20.9
4 11	15 29.21	−33 4.1	2.353	3.195	11.4	20.7
4 21	15 22.60	−33 14.3	2.278	3.194	8.8	20.5
5 1	15 14.34	−33 8.9	2.228	3.193	6.3	20.3
5 11	15 5.27	−32 47.9	2.205	3.191	4.7	20.2
5 21	14 56.30	−32 13.0	2.209	3.190	5.4	20.3
5 31	14 48.36	−31 28.3	2.241	3.188	7.7	20.4
6 10	14 42.17	−30 39.0	2.297	3.187	10.4	20.6

391304 2006 SV_{384} 5 9.6 206°.42 4°.0/ 6.6 17

4 1	15 30.93	− 6 9.2	2.373	3.187	12.1	21.4
4 11	15 26.72	− 5 36.7	2.290	3.185	9.6	21.2
4 21	15 20.71	− 5 4.5	2.229	3.183	6.8	21.1
5 1	15 13.38	− 4 36.2	2.195	3.181	4.5	20.9
5 11	15 5.45	− 4 15.1	2.189	3.179	4.3	20.9
5 21	14 57.65	− 4 4.1	2.210	3.177	6.5	21.0
5 31	14 50.72	− 4 5.1	2.258	3.174	9.3	21.2
6 10	14 45.23	− 4 18.7	2.330	3.172	12.0	21.4

127230 2002 JO_{14} 5 9.6 3°.68 10°.9/ 3.3 18

4 1	15 31.14	+ 7 11.5	1.591	2.414	16.6	19.0
4 11	15 27.68	+ 8 22.6	1.531	2.413	14.2	18.8
4 21	15 21.71	+ 9 21.8	1.491	2.414	12.1	18.7
5 1	15 13.94	+10 0.5	1.473	2.414	10.9	18.6
5 11	15 5.36	+10 12.4	1.477	2.416	11.4	18.7
5 21	14 57.08	+ 9 54.5	1.505	2.417	13.2	18.8
5 31	14 50.11	+ 9 7.4	1.553	2.420	15.6	18.9
6 10	14 45.20	+ 7 55.0	1.620	2.423	18.0	19.1

478143 2011 UJ_{145} 5 9.6 225°.91 2°.3/11.7 16

4 1	15 30.33	−28 0.7	2.607	3.376	12.4	21.6
4 11	15 26.32	−27 38.7	2.507	3.371	10.0	21.4
4 21	15 20.47	−27 3.7	2.428	3.366	7.3	21.2
5 1	15 13.28	−26 16.1	2.376	3.361	4.3	21.0
5 11	15 5.47	−25 17.6	2.352	3.355	2.3	20.8
5 21	14 57.80	−24 11.9	2.356	3.350	3.9	20.9
5 31	14 51.03	−23 3.5	2.389	3.344	6.9	21.1
6 10	14 45.74	−21 57.5	2.449	3.338	9.8	21.3

522718 2016 LV_{61} 5 9.6 313°.44 3°.4/ 7.2 16

4 1	15 28.09	−13 6.8	1.660	2.496	15.5	21.1
4 11	15 25.55	−12 10.3	1.564	2.475	12.2	20.9
4 21	15 20.50	−11 4.7	1.490	2.455	8.3	20.6
5 1	15 13.48	− 9 54.6	1.439	2.436	4.5	20.3
5 11	15 5.42	− 8 46.3	1.415	2.417	3.9	20.2
5 21	14 57.37	− 7 46.4	1.415	2.398	7.5	20.4
5 31	14 50.45	− 7 1.0	1.440	2.380	11.8	20.6
6 10	14 45.53	− 6 34.0	1.487	2.362	15.8	20.8

216299 2007 RO_{86} 5 9.6 63°.73 16°.5/26.3 18

4 1	15 30.97	+ 6 9.8	1.052	1.905	21.2	19.9
4 11	15 28.54	+ 9 55.6	1.013	1.910	18.5	19.8
4 21	15 22.75	+13 29.5	0.994	1.916	16.7	19.7
5 1	15 14.51	+16 30.6	0.997	1.921	16.7	19.7
5 11	15 5.27	+18 42.2	1.019	1.926	18.2	19.8
5 21	14 56.55	+19 56.7	1.060	1.932	20.7	20.0
5 31	14 49.72	+20 15.1	1.116	1.938	23.3	20.2
6 10	14 45.65	+19 45.4	1.184	1.944	25.6	20.4

247882 2003 UN_{171} 5 9.6 278°.35 1°.9/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.55	−16 19.1	1.584	2.410	16.6	20.4
4 11	15 29.29	−15 39.9	1.485	2.390	13.1	20.1
4 21	15 23.20	−14 49.6	1.407	2.371	8.9	19.8
5 1	15 14.82	−13 51.0	1.352	2.351	4.3	19.5
5 11	15 5.19	−12 49.2	1.323	2.330	2.3	19.3
5 21	14 55.52	−11 50.6	1.320	2.310	6.9	19.5
5 31	14 47.09	−11 2.0	1.341	2.289	11.8	19.8
6 10	14 40.93	−10 28.5	1.384	2.269	16.2	20.0

274831 2009 PO_{18} 5 9.6 174°.06 0°.2/ 9.7 17

4 1	15 34.18	−19 41.1	1.869	2.675	15.2	22.0
4 11	15 29.93	−19 30.2	1.784	2.676	12.0	21.8
4 21	15 23.22	−19 9.8	1.720	2.677	8.2	21.6
5 1	15 14.67	−18 41.0	1.681	2.678	3.9	21.3
5 11	15 5.24	−18 6.4	1.669	2.678	0.6	21.1
5 21	14 55.99	−17 29.9	1.684	2.679	5.1	21.4
5 31	14 47.96	−16 56.3	1.726	2.679	9.2	21.6
6 10	14 41.94	−16 29.7	1.791	2.678	12.9	21.9

301129 2008 WY_{105} 5 9.6 234°.45 3°.4/11.5 16

4 1	15 36.85	−27 3.7	1.618	2.410	17.7	21.7
4 11	15 32.81	−27 8.5	1.523	2.401	14.5	21.4
4 21	15 25.64	−26 56.9	1.447	2.391	10.6	21.2
5 1	15 15.99	−26 27.0	1.393	2.381	6.3	20.9
5 11	15 5.00	−25 39.8	1.366	2.370	3.4	20.7
5 21	14 54.07	−24 39.2	1.364	2.359	6.0	20.8
5 31	14 44.62	−23 32.7	1.388	2.347	10.5	21.0
6 10	14 37.70	−22 28.7	1.434	2.334	14.7	21.2

509487 2007 TV_{246} 5 9.6 198°.04 4°.4/13.4 18

4 1	15 34.46	−33 56.9	2.727	3.460	12.7	21.8
4 11	15 29.63	−34 9.4	2.625	3.457	10.7	21.7
4 21	15 22.77	−34 8.3	2.545	3.453	8.3	21.5
5 1	15 14.39	−33 51.9	2.489	3.449	6.0	21.3
5 11	15 5.29	−33 20.1	2.460	3.444	4.5	21.2
5 21	14 56.29	−32 35.0	2.460	3.439	5.1	21.3
5 31	14 48.24	−31 40.5	2.488	3.433	7.2	21.4
6 10	14 41.80	−30 41.7	2.542	3.427	9.7	21.5

111550 2001 YO_{137} 5 9.6 196°.11 1°.5/ 8.4 18

4 1	15 32.58	−12 32.6	2.748	3.547	11.0	20.1
4 11	15 27.81	−12 26.3	2.654	3.544	8.6	20.0
4 21	15 21.36	−12 17.6	2.585	3.542	5.8	19.8
5 1	15 13.68	−12 8.1	2.543	3.539	2.9	19.6
5 11	15 5.41	−11 59.6	2.529	3.535	1.7	19.5
5 21	14 57.23	−11 54.2	2.546	3.532	4.4	19.7
5 31	14 49.81	−11 53.6	2.591	3.528	7.4	19.8
6 10	14 43.70	−11 59.5	2.661	3.523	10.0	20.0

474982 2005 TS_{102} 5 9.6 200°.83 1°.0/ 8.6 16

4 1	15 29.08	−16 28.4	2.798	3.598	10.8	22.0
4 11	15 25.07	−15 50.5	2.704	3.595	8.4	21.8
4 21	15 19.49	−15 6.4	2.634	3.592	5.7	21.6
5 1	15 12.79	−14 18.1	2.591	3.588	2.7	21.4
5 11	15 5.57	−13 28.7	2.577	3.585	1.3	21.3
5 21	14 58.47	−12 41.4	2.593	3.581	4.1	21.5
5 31	14 52.11	−11 59.5	2.637	3.576	7.1	21.7
6 10	14 47.00	−11 25.8	2.706	3.572	9.8	21.9

125747 2001 XT_{120} 5 9.6 41°.28 3°.6/ 7.9 18

4 1	15 35.14	−11 0.5	1.380	2.216	18.0	20.0
4 11	15 31.36	−10 34.6	1.307	2.217	14.2	19.7
4 21	15 24.54	−10 5.0	1.254	2.219	9.7	19.5
5 1	15 15.39	− 9 35.8	1.224	2.220	5.2	19.2
5 11	15 5.13	− 9 12.0	1.218	2.221	4.0	19.1
5 21	14 55.13	− 8 58.4	1.237	2.223	8.0	19.4
5 31	14 46.71	− 8 58.5	1.280	2.224	12.6	19.6
6 10	14 40.82	− 9 14.0	1.343	2.226	16.7	19.9

350253 2012 TS_{125} 5 9.6 241°.17 0°.3/ 9.3 17

4 1	15 31.08	−19 31.8	2.200	3.002	13.3	21.3
4 11	15 27.18	−18 55.5	2.102	2.993	10.5	21.1
4 21	15 21.21	−18 9.1	2.026	2.984	7.1	20.8
5 1	15 13.69	−17 14.5	1.977	2.974	3.3	20.6
5 11	15 5.42	−16 15.1	1.955	2.964	0.8	20.3
5 21	14 57.25	−15 15.4	1.962	2.954	4.7	20.6
5 31	14 50.05	−14 20.3	1.996	2.944	8.5	20.8
6 10	14 44.50	−13 34.3	2.055	2.934	11.9	21.0

487555 2014 VA_{25} 5 9.6 189°.42 0°.8/10.8 18

4 1	15 23.04	−23 34.6	4.832	5.602	7.0	21.5
4 11	15 19.80	−23 18.2	4.732	5.602	5.5	21.4
4 21	15 15.66	−22 56.4	4.657	5.601	3.9	21.2
5 1	15 10.92	−22 29.9	4.610	5.601	2.1	21.1
5 11	15 5.90	−21 59.8	4.592	5.600	0.8	21.0
5 21	15 0.95	−21 27.5	4.605	5.599	2.1	21.1
5 31	14 56.41	−20 54.8	4.647	5.598	3.9	21.2
6 10	14 52.57	−20 23.5	4.716	5.597	5.6	21.4

259636 2003 WV_{40} 5 9.6 82°.40 1°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.42	−21 31.9	1.566	2.376	17.5	20.7
4 11	15 32.00	−21 31.2	1.498	2.391	13.8	20.5
4 21	15 24.73	−21 18.7	1.451	2.407	9.5	20.2
5 1	15 15.38	−20 54.9	1.427	2.423	4.8	20.0
5 11	15 5.16	−20 22.4	1.429	2.438	1.2	19.8
5 21	14 55.34	−19 45.7	1.458	2.454	5.4	20.1
5 31	14 47.12	−19 10.4	1.512	2.469	9.9	20.4
6 10	14 41.30	−18 41.6	1.588	2.484	13.8	20.7

353162 2009 HT_{89} 5 9.6 64°.64 5°.8/ 5.9 17

4 1	15 32.22	− 0 23.1	2.231	3.042	12.9	20.5
4 11	15 27.75	+ 0 6.7	2.159	3.047	10.4	20.4
4 21	15 21.40	+ 0 31.6	2.110	3.053	7.9	20.2
5 1	15 13.71	+ 0 47.3	2.087	3.058	6.1	20.1
5 11	15 5.44	+ 0 50.5	2.090	3.064	6.1	20.1
5 21	14 57.38	+ 0 39.1	2.121	3.069	7.9	20.2
5 31	14 50.29	+ 0 12.6	2.177	3.075	10.4	20.4
6 10	14 44.76	− 0 28.3	2.255	3.081	12.9	20.6

54128 2000 HW_{30} 5 9.6 73°.65 9°.0/ 4.1 18

4 1	15 32.82	+ 1 47.8	1.607	2.435	16.3	18.3
4 11	15 28.83	+ 3 8.3	1.553	2.446	13.4	18.2
4 21	15 22.38	+ 4 21.6	1.519	2.457	10.7	18.0
5 1	15 14.22	+ 5 19.8	1.509	2.469	9.1	18.0
5 11	15 5.37	+ 5 56.1	1.523	2.480	9.5	18.0
5 21	14 56.91	+ 6 6.8	1.561	2.492	11.6	18.2
5 31	14 49.82	+ 5 51.3	1.621	2.503	14.3	18.3
6 10	14 44.78	+ 5 12.1	1.701	2.515	16.9	18.6

72254 2001 AW_{31} 5 9.6 195°.55 0°.8/10.0 18

4 1	15 37.27	−20 40.2	1.945	2.740	15.1	20.9
4 11	15 32.35	−20 37.7	1.852	2.737	12.0	20.6
4 21	15 24.89	−20 25.6	1.781	2.735	8.3	20.4
5 1	15 15.50	−20 4.3	1.736	2.731	4.1	20.2
5 11	15 5.14	−19 35.7	1.717	2.727	0.9	19.9
5 21	14 54.89	−19 3.0	1.727	2.722	5.0	20.2
5 31	14 45.85	−18 30.9	1.764	2.716	9.1	20.4
6 10	14 38.85	−18 4.0	1.826	2.710	12.9	20.6

131143 2001 BM_{62} 5 9.6 85°.55 5°.3/ 5.9 18

4 1	15 31.86	− 5 31.4	1.926	2.749	14.2	19.6
4 11	15 27.68	− 4 31.2	1.864	2.764	11.2	19.5
4 21	15 21.43	− 3 31.6	1.825	2.779	8.0	19.3
5 1	15 13.73	− 2 37.9	1.811	2.794	5.7	19.2
5 11	15 5.46	− 1 55.2	1.824	2.808	5.7	19.2
5 21	14 57.51	− 1 27.6	1.863	2.823	8.0	19.4
5 31	14 50.71	− 1 17.1	1.927	2.837	11.0	19.6
6 10	14 45.67	− 1 24.0	2.013	2.851	13.7	19.8

290328 2005 SX_{217} 5 9.6 255°.87 0°.7/ 9.9 16

4 1	15 36.46	−19 57.5	1.450	2.269	18.2	21.1
4 11	15 32.71	−19 59.9	1.359	2.258	14.5	20.9
4 21	15 25.72	−19 51.5	1.288	2.247	10.1	20.6
5 1	15 16.10	−19 32.2	1.239	2.236	5.0	20.2
5 11	15 5.02	−19 4.2	1.215	2.224	0.9	19.9
5 21	14 53.95	−18 31.6	1.216	2.212	6.2	20.2
5 31	14 44.37	−18 0.3	1.242	2.200	11.5	20.5
6 10	14 37.43	−17 36.4	1.289	2.188	16.2	20.7

471912 2013 CW_{193} 5 9.6 270°.69 3°.3/11.8 18

4 1	15 32.95	−27 35.9	2.453	3.221	13.1	21.1
4 11	15 28.69	−28 0.6	2.347	3.209	10.7	20.9
4 21	15 22.31	−28 15.1	2.263	3.197	7.9	20.7
5 1	15 14.27	−28 17.9	2.204	3.184	5.1	20.5
5 11	15 5.35	−28 9.1	2.173	3.172	3.3	20.3
5 21	14 56.41	−27 50.0	2.170	3.159	4.7	20.4
5 31	14 48.35	−27 23.8	2.194	3.146	7.6	20.5
6 10	14 41.92	−26 54.9	2.243	3.134	10.6	20.7

169535 2002 EE_{69} 5 9.6 50°.24 1°.8/10.5 18

4 1	15 34.80	−22 39.1	1.284	2.109	19.7	20.1
4 11	15 31.37	−22 43.0	1.221	2.122	15.7	19.8
4 21	15 24.63	−22 32.3	1.177	2.136	10.9	19.6
5 1	15 15.43	−22 7.0	1.154	2.150	5.7	19.3
5 11	15 5.18	−21 30.1	1.156	2.164	1.9	19.1
5 21	14 55.39	−20 47.1	1.181	2.179	6.1	19.4
5 31	14 47.47	−20 4.9	1.231	2.194	11.1	19.7
6 10	14 42.33	−19 30.3	1.302	2.210	15.4	20.0

423768 2006 DJ_{131} 5 9.6 331°.34 3°.1/ 7.8 17

4 1	15 31.69	−11 5.3	1.756	2.582	15.1	20.7
4 11	15 28.07	−10 40.2	1.673	2.578	11.9	20.5
4 21	15 22.03	−10 11.7	1.612	2.574	8.1	20.3
5 1	15 14.15	− 9 43.3	1.575	2.571	4.4	20.0
5 11	15 5.38	− 9 19.1	1.564	2.567	3.4	20.0
5 21	14 56.76	− 9 2.9	1.580	2.564	6.8	20.1
5 31	14 49.31	− 8 58.0	1.621	2.561	10.7	20.4
6 10	14 43.83	− 9 6.1	1.684	2.558	14.3	20.6

28821 Harryanselmo 5 9.6 172°.11 2°.9/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 38.93	−25 9.0	1.677	2.468	17.3	18.8
4 11	15 34.15	−25 25.4	1.592	2.471	14.0	18.6
4 21	15 26.37	−25 28.8	1.527	2.473	10.0	18.3
5 1	15 16.28	−25 17.3	1.486	2.475	5.8	18.1
5 11	15 5.03	−24 51.7	1.471	2.476	2.9	17.9
5 21	14 53.98	−24 15.3	1.482	2.477	5.7	18.1
5 31	14 44.42	−23 34.0	1.520	2.477	9.9	18.3
6 10	14 37.34	−22 54.3	1.581	2.476	13.9	18.6

174582 2003 QC_{25} 5 9.6 190°.83 1°.8/ 8.3 16

4 1	15 35.52	−15 23.3	2.104	2.907	13.8	21.4
4 11	15 30.63	−14 42.3	2.013	2.906	10.8	21.2
4 21	15 23.53	−13 53.7	1.945	2.904	7.3	21.0
5 1	15 14.80	−13 0.5	1.904	2.901	3.5	20.7
5 11	15 5.30	−12 6.5	1.891	2.897	2.1	20.6
5 21	14 55.96	−11 16.4	1.907	2.893	5.6	20.9
5 31	14 47.70	−10 34.6	1.950	2.887	9.3	21.1
6 10	14 41.22	−10 4.6	2.017	2.881	12.7	21.3

56152 1999 CK_{106} 5 9.6 199°.06 4°.6/13.1 18

4 1	15 36.49	−32 53.2	2.199	2.948	14.9	19.3
4 11	15 31.70	−32 59.8	2.101	2.945	12.5	19.1
4 21	15 24.42	−32 50.0	2.022	2.941	9.6	18.9
5 1	15 15.28	−32 21.7	1.968	2.937	6.7	18.7
5 11	15 5.21	−31 35.3	1.941	2.932	4.7	18.6
5 21	14 55.30	−30 33.6	1.941	2.926	5.6	18.6
5 31	14 46.60	−29 22.3	1.969	2.920	8.4	18.8
6 10	14 39.91	−28 8.5	2.022	2.914	11.5	19.0

287531 2003 DZ_{6} 5 9.6 97°.09 7°.3/ 5.0 17

4 1	15 33.38	− 0 50.2	1.762	2.585	15.3	20.6
4 11	15 29.09	+ 0 14.2	1.700	2.595	12.3	20.5
4 21	15 22.50	+ 1 14.1	1.661	2.605	9.5	20.3
5 1	15 14.28	+ 2 3.0	1.645	2.616	7.5	20.2
5 11	15 5.40	+ 2 35.1	1.656	2.626	7.8	20.2
5 21	14 56.85	+ 2 46.7	1.691	2.635	9.9	20.4
5 31	14 49.56	+ 2 36.8	1.751	2.645	12.7	20.6
6 10	14 44.20	+ 2 6.6	1.831	2.655	15.5	20.8

379816 2011 KT_{20} 5 9.6 78°.95 1°.1/ 8.9 17

4 1	15 34.12	−15 34.9	1.864	2.677	14.9	20.9
4 11	15 29.67	−15 22.3	1.794	2.692	11.6	20.7
4 21	15 22.91	−15 3.9	1.746	2.707	7.8	20.5
5 1	15 14.49	−14 41.6	1.724	2.722	3.6	20.3
5 11	15 5.38	−14 18.5	1.728	2.737	1.4	20.2
5 21	14 56.58	−13 57.9	1.760	2.752	5.3	20.5
5 31	14 49.03	−13 43.3	1.819	2.766	9.2	20.7
6 10	14 43.43	−13 37.3	1.900	2.781	12.6	21.0

46169 2001 FY_{87} 5 9.6 274°.58 1°.7/ 8.6 18 R

4 1	15 32.82	−13 33.9	1.986	2.801	14.1	19.2
4 11	15 28.73	−13 23.2	1.897	2.795	11.0	19.0
4 21	15 22.38	−13 8.4	1.829	2.790	7.5	18.8
5 1	15 14.32	−12 51.5	1.787	2.784	3.7	18.5
5 11	15 5.40	−12 35.4	1.772	2.779	2.0	18.4
5 21	14 56.57	−12 22.9	1.784	2.773	5.6	18.6
5 31	14 48.79	−12 17.2	1.823	2.767	9.4	18.8
6 10	14 42.81	−12 20.5	1.885	2.762	12.9	19.0

13402 1999 RV_{165} 5 9.6 310°.30 1°.8/ 7.3 18

4 1	15 22.91	−10 15.9	4.114	4.919	7.5	18.6
4 11	15 19.83	− 9 48.4	4.017	4.911	5.8	18.4
4 21	15 15.77	− 9 19.5	3.946	4.903	4.0	18.3
5 1	15 11.03	− 8 50.9	3.902	4.895	2.3	18.2
5 11	15 5.95	− 8 24.5	3.888	4.887	2.0	18.1
5 21	15 0.94	− 8 2.0	3.903	4.879	3.5	18.2
5 31	14 56.34	− 7 44.9	3.947	4.871	5.4	18.4
6 10	14 52.51	− 7 34.4	4.016	4.863	7.2	18.5

135107 2001 QZ_{100} 5 9.6 213°.56 0°.6/ 9.9 17

4 1	15 33.85	−19 27.3	2.520	3.309	12.2	20.1
4 11	15 29.11	−19 36.0	2.422	3.304	9.6	19.9
4 21	15 22.43	−19 38.5	2.346	3.298	6.6	19.7
5 1	15 14.29	−19 35.3	2.297	3.293	3.3	19.5
5 11	15 5.41	−19 27.3	2.277	3.287	0.7	19.3
5 21	14 56.58	−19 16.5	2.286	3.280	4.0	19.5
5 31	14 48.60	−19 5.5	2.323	3.274	7.4	19.7
6 10	14 42.13	−18 57.1	2.386	3.267	10.4	19.9

470503 2008 CX_{71} 5 9.6 98°.48 10°.6/28.5 17

4 1	15 30.24	+16 44.8	2.489	3.257	12.9	20.8
4 11	15 26.00	+18 24.2	2.452	3.273	11.6	20.7
4 21	15 20.09	+19 49.0	2.438	3.290	10.8	20.7
5 1	15 13.07	+20 53.0	2.447	3.306	10.6	20.7
5 11	15 5.64	+21 32.0	2.479	3.321	11.1	20.8
5 21	14 58.48	+21 44.4	2.533	3.337	12.1	20.9
5 31	14 52.24	+21 30.7	2.607	3.352	13.4	21.0
6 10	14 47.43	+20 54.0	2.699	3.367	14.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
420739 2012 TK_{52}			5 9.6 279°.07	0°.8/10.6 18		
	h m	° ′			°	m
4 1	15 24.09	−22 34.6	4.371	5.146	7.6	21.2
4 11	15 20.75	−22 28.8	4.268	5.141	6.0	21.1
4 21	15 16.39	−22 17.8	4.189	5.135	4.2	20.9
5 1	15 11.32	−22 2.1	4.138	5.129	2.2	20.8
5 11	15 5.92	−21 42.7	4.116	5.124	0.8	20.7
5 21	15 0.56	−21 21.0	4.124	5.118	2.4	20.8
5 31	14 55.64	−20 58.6	4.161	5.112	4.4	20.9
6 10	14 51.49	−20 37.4	4.225	5.107	6.2	21.1
203777 2002 SB_{38}			5 9.6 227°.82	2°.7/11.5 18		
4 1	15 32.93	−26 36.6	2.225	3.003	13.9	20.5
4 11	15 28.77	−26 41.5	2.128	2.998	11.3	20.3
4 21	15 22.38	−26 34.3	2.053	2.994	8.2	20.1
5 1	15 14.32	−26 14.5	2.003	2.989	4.9	19.9
5 11	15 5.42	−25 43.0	1.980	2.984	2.7	19.7
5 21	14 56.61	−25 2.6	1.985	2.979	4.6	19.9
5 31	14 48.85	−24 17.8	2.018	2.973	7.9	20.1
6 10	14 42.86	−23 33.7	2.075	2.968	11.2	20.2
459515 2013 EW_{52}			5 9.6 25°.54	6°.5/12.4 17		
4 1	15 38.15	−29 52.2	1.359	2.154	20.4	21.6
4 11	15 34.53	−30 52.5	1.281	2.155	17.0	21.4
4 21	15 27.22	−31 36.5	1.222	2.157	13.0	21.2
5 1	15 16.90	−31 58.8	1.183	2.159	9.0	20.9
5 11	15 4.97	−31 56.9	1.167	2.160	6.6	20.8
5 21	14 53.19	−31 32.4	1.175	2.162	8.0	20.9
5 31	14 43.29	−30 51.9	1.207	2.165	11.8	21.1
6 10	14 36.51	−30 5.0	1.259	2.167	15.8	21.3
489450 2007 AN_{13}			5 9.6 157°.69	3°.6/13.5 18		
4 1	15 32.81	−33 44.6	3.263	3.988	10.9	22.9
4 11	15 27.91	−33 47.5	3.168	3.996	9.1	22.7
4 21	15 21.38	−33 38.5	3.096	4.003	7.1	22.6
5 1	15 13.71	−33 16.8	3.049	4.009	5.0	22.5
5 11	15 5.53	−32 42.8	3.031	4.016	3.7	22.4
5 21	14 57.52	−31 58.5	3.042	4.021	4.2	22.4
5 31	14 50.32	−31 7.2	3.082	4.026	6.0	22.5
6 10	14 44.44	−30 13.0	3.149	4.031	8.1	22.7
332060 2005 SA_{27}			5 9.6 275°.73	4°.0/12.4 18		
4 1	15 32.47	−30 6.3	2.377	3.139	13.6	21.0
4 11	15 28.42	−30 27.9	2.274	3.129	11.2	20.9
4 21	15 22.17	−30 37.2	2.193	3.120	8.5	20.7
5 1	15 14.24	−30 32.5	2.137	3.110	5.8	20.5
5 11	15 5.43	−30 13.7	2.107	3.101	4.0	20.3
5 21	14 56.65	−29 42.7	2.104	3.091	5.1	20.4
5 31	14 48.82	−29 3.1	2.129	3.081	7.8	20.5
6 10	14 42.71	−28 20.2	2.179	3.072	10.7	20.7
511669 2015 BL_{355}			5 9.6 50°.57	3°.3/ 7.6 17		
4 1	15 31.72	−11 23.5	1.678	2.507	15.6	21.1
4 11	15 28.04	−10 44.4	1.610	2.516	12.2	20.9
4 21	15 21.93	−10 1.3	1.563	2.526	8.3	20.7
5 1	15 14.08	− 9 18.3	1.540	2.536	4.5	20.5
5 11	15 5.48	− 8 40.4	1.544	2.546	3.7	20.4
5 21	14 57.19	− 8 12.0	1.573	2.556	7.0	20.6
5 31	14 50.19	− 7 56.6	1.628	2.566	10.8	20.9
6 10	14 45.21	− 7 55.9	1.704	2.577	14.2	21.1
34285 Dorothydady			5 9.6 106°.16	1°.0/ 9.0 18 R		
4 1	15 33.50	−16 26.1	1.836	2.651	15.1	19.3
4 11	15 29.37	−16 10.0	1.757	2.655	11.8	19.1
4 21	15 22.83	−15 46.8	1.699	2.660	8.0	18.8
5 1	15 14.52	−15 18.5	1.666	2.664	3.7	18.6
5 11	15 5.40	−14 48.3	1.660	2.669	1.3	18.4
5 21	14 56.49	−14 20.0	1.681	2.673	5.4	18.7
5 31	14 48.81	−13 57.6	1.728	2.677	9.5	19.0
6 10	14 43.09	−13 44.4	1.798	2.682	13.1	19.2
390110 2012 VY_{30}			5 9.6 87°.80	0°.3/ 9.3 18		
4 1	15 30.12	−19 51.3	2.172	2.976	13.4	20.9
4 11	15 26.35	−19 11.8	2.089	2.981	10.5	20.7
4 21	15 20.58	−18 22.4	2.028	2.987	7.1	20.5
5 1	15 13.40	−17 25.3	1.994	2.992	3.3	20.3
5 11	15 5.59	−16 24.2	1.988	2.997	0.7	20.1
5 21	14 58.01	−15 23.7	2.009	3.002	4.6	20.4
5 31	14 51.45	−14 28.6	2.058	3.008	8.2	20.6
6 10	14 46.52	−13 42.9	2.132	3.013	11.4	20.8
83097 2001 QA_{235}			5 9.6 346°.50	0°.7/ 9.1 18		
4 1	15 30.47	−17 12.9	1.961	2.775	14.2	19.5
4 11	15 26.93	−16 55.9	1.874	2.773	11.2	19.3
4 21	15 21.16	−16 31.5	1.810	2.771	7.5	19.0
5 1	15 13.75	−16 1.5	1.771	2.769	3.5	18.8
5 11	15 5.53	−15 28.8	1.758	2.768	1.0	18.6
5 21	14 57.46	−14 57.3	1.773	2.766	5.1	18.9
5 31	14 50.46	−14 30.8	1.814	2.765	9.0	19.1
6 10	14 45.26	−14 12.9	1.878	2.764	12.5	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
394244 2006 TF_{38}			5 9.6 139°.13	0°.2/ 9.4 17		
	h m	° ′			°	m
4 1	15 30.56	−18 48.0	2.547	3.343	11.9	21.9
4 11	15 26.38	−18 23.8	2.461	3.350	9.3	21.7
4 21	15 20.46	−17 52.3	2.399	3.356	6.3	21.5
5 1	15 13.31	−17 15.2	2.364	3.362	2.9	21.3
5 11	15 5.62	−16 35.0	2.358	3.367	0.6	21.1
5 21	14 58.09	−15 54.9	2.380	3.373	4.0	21.4
5 31	14 51.44	−15 18.4	2.430	3.378	7.2	21.6
6 10	14 46.21	−14 48.5	2.506	3.383	10.1	21.8
388631 2007 TM_{88}			5 9.6 147°.34	1°.3/ 8.3 17		
4 1	15 31.49	−14 28.3	2.949	3.744	10.5	22.8
4 11	15 26.76	−13 58.5	2.867	3.755	8.1	22.6
4 21	15 20.54	−13 24.5	2.809	3.766	5.4	22.5
5 1	15 13.30	−12 48.3	2.780	3.777	2.6	22.3
5 11	15 5.62	−12 12.4	2.780	3.786	1.6	22.2
5 21	14 58.12	−11 39.6	2.810	3.796	4.1	22.4
5 31	14 51.38	−11 12.4	2.869	3.804	6.8	22.6
6 10	14 45.87	−10 52.7	2.954	3.812	9.3	22.8
506903 2008 CS_{145}			5 9.6 148°.97	1°.3/ 8.5 17		
4 1	15 30.24	−15 0.4	2.573	3.377	11.6	22.3
4 11	15 26.09	−14 31.9	2.488	3.381	9.0	22.1
4 21	15 20.25	−13 58.4	2.427	3.386	6.0	21.9
5 1	15 13.21	−13 22.0	2.393	3.390	2.9	21.7
5 11	15 5.63	−12 45.6	2.387	3.394	1.6	21.6
5 21	14 58.22	−12 12.3	2.411	3.398	4.5	21.9
5 31	14 51.64	−11 44.9	2.462	3.402	7.5	22.1
6 10	14 46.43	−11 25.8	2.538	3.405	10.3	22.2
30792 1988 RP_{12}			5 9.6 6°.21	1°.0/ 8.2 18		
4 1	15 23.21	−13 38.1	4.238	5.038	7.4	19.5
4 11	15 20.03	−13 17.4	4.146	5.038	5.7	19.4
4 21	15 15.89	−12 54.3	4.080	5.038	3.8	19.2
5 1	15 11.09	−12 30.1	4.042	5.038	1.9	19.1
5 11	15 5.99	−12 6.5	4.033	5.039	1.2	19.0
5 21	15 0.96	−11 45.1	4.054	5.039	2.9	19.2
5 31	14 56.36	−11 27.3	4.104	5.040	4.9	19.3
6 10	14 52.51	−11 14.5	4.179	5.040	6.7	19.4
460125 2014 PN_{39}			5 9.6 281°.78	3°.8/11.4 16		
4 1	15 34.82	−26 26.6	1.412	2.220	19.1	21.9
4 11	15 31.81	−26 43.7	1.316	2.204	15.7	21.6
4 21	15 25.37	−26 44.5	1.239	2.188	11.5	21.3
5 1	15 16.07	−26 26.5	1.183	2.171	6.9	21.0
5 11	15 5.12	−25 49.5	1.150	2.155	3.8	20.7
5 21	14 54.09	−24 57.2	1.143	2.139	6.6	20.8
5 31	14 44.61	−23 57.2	1.159	2.122	11.6	21.1
6 10	14 37.94	−22 58.8	1.196	2.106	16.3	21.3
217866 2001 QP_{141}			5 9.6 103°.78	6°.1/13.1 17		
4 1	15 39.07	−32 36.4	1.824	2.584	17.2	19.6
4 11	15 34.23	−33 25.5	1.746	2.594	14.4	19.4
4 21	15 26.42	−33 58.6	1.687	2.605	11.2	19.2
5 1	15 16.32	−34 11.8	1.651	2.615	8.1	19.0
5 11	15 5.11	−34 3.7	1.640	2.625	6.2	19.0
5 21	14 54.13	−33 36.0	1.656	2.635	7.0	19.0
5 31	14 44.68	−32 54.2	1.697	2.644	9.7	19.2
6 10	14 37.71	−32 5.9	1.761	2.654	12.8	19.4
17440 1989 TP_{14}			5 9.6 138°.41	3°.1/12.4 18		
4 1	15 34.81	−29 42.1	3.111	3.853	11.1	19.6
4 11	15 29.49	−30 3.2	3.023	3.867	9.1	19.4
4 21	15 22.48	−30 14.6	2.959	3.879	6.8	19.3
5 1	15 14.26	−30 15.1	2.920	3.892	4.5	19.2
5 11	15 5.48	−30 5.0	2.911	3.904	3.2	19.1
5 21	14 56.84	−29 45.7	2.931	3.915	4.0	19.2
5 31	14 49.02	−29 19.9	2.980	3.926	6.1	19.3
6 10	14 42.57	−28 51.2	3.055	3.936	8.4	19.5
193313 2000 SR_{308}			5 9.6 179°.19	3°.9/12.5 17 R		
4 1	15 35.57	−30 30.4	2.242	3.000	14.4	21.3
4 11	15 30.86	−30 40.8	2.148	3.001	11.9	21.1
4 21	15 23.81	−30 37.0	2.076	3.002	9.0	20.9
5 1	15 15.00	−30 17.5	2.028	3.003	5.9	20.7
5 11	15 5.35	−29 42.6	2.007	3.002	4.0	20.6
5 21	14 55.86	−28 55.1	2.014	3.002	5.1	20.6
5 31	14 47.51	−28 0.0	2.049	3.001	8.0	20.8
6 10	14 41.06	−27 3.1	2.108	3.000	11.1	21.0
142066 2002 QC_{35}			5 9.6 294°.09	0°.2/ 9.7 17		
4 1	15 33.59	−18 48.5	1.529	2.351	17.2	20.7
4 11	15 30.41	−18 50.4	1.429	2.330	13.8	20.4
4 21	15 24.19	−18 43.1	1.348	2.310	9.5	20.1
5 1	15 15.45	−18 26.8	1.291	2.289	4.6	19.8
5 11	15 5.25	−18 3.7	1.258	2.268	0.7	19.4
5 21	14 54.90	−17 37.6	1.251	2.247	6.1	19.7
5 31	14 45.82	−17 13.5	1.268	2.226	11.3	20.0
6 10	14 39.16	−16 57.1	1.307	2.206	15.9	20.2

100657 1997 WT_{18} 5 9.6 120°.83 1°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.41	−13 13.3	1.937	2.747	14.6	20.1
4 11	15 31.41	−13 5.9	1.862	2.758	11.4	20.0
4 21	15 24.09	−12 54.8	1.809	2.769	7.7	19.7
5 1	15 15.09	−12 42.1	1.782	2.779	3.7	19.5
5 11	15 5.35	−12 30.5	1.783	2.789	2.0	19.4
5 21	14 55.87	−12 22.5	1.811	2.799	5.6	19.7
5 31	14 47.60	−12 21.1	1.866	2.809	9.3	19.9
6 10	14 41.25	−12 28.1	1.945	2.818	12.7	20.1

502634 2015 CX_{31} 5 9.6 202°.93 1°.9/ 8.3 17

4 1	15 34.89	−13 38.6	2.164	2.969	13.4	22.2
4 11	15 30.13	−13 15.2	2.072	2.965	10.5	22.0
4 21	15 23.22	−12 46.8	2.002	2.960	7.1	21.8
5 1	15 14.71	−12 15.9	1.958	2.955	3.5	21.6
5 11	15 5.40	−11 45.6	1.943	2.949	2.2	21.4
5 21	14 56.20	−11 19.3	1.956	2.942	5.5	21.6
5 31	14 48.00	−11 0.4	1.997	2.935	9.1	21.8
6 10	14 41.52	−10 51.3	2.061	2.927	12.4	22.0

204552 2005 EV_{194} 5 9.6 269°.12 0°.7/10.1 17

4 1	15 31.83	−20 51.6	2.087	2.887	14.0	20.9
4 11	15 27.97	−20 44.1	1.992	2.881	11.1	20.7
4 21	15 21.88	−20 27.2	1.919	2.874	7.6	20.5
5 1	15 14.11	−20 1.6	1.871	2.867	3.8	20.2
5 11	15 5.50	−19 29.5	1.851	2.860	0.8	20.0
5 21	14 56.97	−18 54.2	1.858	2.853	4.6	20.2
5 31	14 49.47	−18 19.9	1.892	2.846	8.5	20.4
6 10	14 43.74	−17 50.9	1.950	2.839	11.9	20.6

429230 2010 AK_{37} 5 9.6 46°.24 4°.2/ 6.9 17

4 1	15 31.92	− 8 2.1	1.895	2.719	14.3	21.2
4 11	15 27.99	− 7 24.6	1.818	2.720	11.3	21.0
4 21	15 21.83	− 6 45.9	1.762	2.721	7.9	20.8
5 1	15 14.05	− 6 10.1	1.732	2.722	4.9	20.6
5 11	15 5.52	− 5 41.9	1.728	2.723	4.5	20.6
5 21	14 57.18	− 5 24.8	1.751	2.724	7.2	20.7
5 31	14 49.95	− 5 21.5	1.799	2.726	10.6	20.9
6 10	14 44.53	− 5 32.8	1.869	2.727	13.8	21.1

216281 2006 XD_{21} 5 9.6 247°.49 3°.9/ 6.6 18

4 1	15 30.45	− 6 1.6	2.537	3.348	11.5	20.7
4 11	15 26.32	− 5 29.4	2.445	3.339	9.1	20.5
4 21	15 20.48	− 4 57.5	2.377	3.330	6.5	20.3
5 1	15 13.37	− 4 29.0	2.335	3.320	4.3	20.1
5 11	15 5.64	− 4 7.3	2.321	3.311	4.2	20.1
5 21	14 57.98	− 3 55.2	2.335	3.301	6.3	20.2
5 31	14 51.09	− 3 54.5	2.376	3.291	9.0	20.4
6 10	14 45.55	− 4 6.1	2.441	3.281	11.6	20.5

333655 2008 SU_{51} 5 9.6 260°.10 0°.5/ 9.9 17

4 1	15 33.40	−20 20.7	2.064	2.863	14.2	21.5
4 11	15 29.33	−20 12.6	1.959	2.847	11.3	21.2
4 21	15 22.91	−19 55.2	1.876	2.831	7.8	21.0
5 1	15 14.65	−19 29.2	1.818	2.814	3.8	20.7
5 11	15 5.41	−18 56.4	1.788	2.797	0.7	20.4
5 21	14 56.16	−18 20.3	1.785	2.780	4.8	20.7
5 31	14 47.90	−17 45.2	1.809	2.762	8.9	20.9
6 10	14 41.46	−17 15.6	1.858	2.744	12.6	21.1

422441 2014 SU_{301} 5 9.6 272°.96 1°.9/ 8.7 17

4 1	15 36.03	−13 59.2	1.497	2.323	17.3	20.7
4 11	15 32.26	−13 51.2	1.402	2.306	13.8	20.4
4 21	15 25.39	−13 37.6	1.327	2.290	9.4	20.1
5 1	15 16.00	−13 20.5	1.275	2.273	4.6	19.8
5 11	15 5.18	−13 3.4	1.248	2.256	2.3	19.6
5 21	14 54.26	−12 50.3	1.247	2.239	7.0	19.8
5 31	14 44.68	−12 45.4	1.271	2.222	12.0	20.1
6 10	14 37.57	−12 52.1	1.316	2.204	16.6	20.3

235875 2005 BK_{16} 5 9.6 126°.86 2°.7/11.3 17

4 1	15 34.57	−25 19.0	2.048	2.833	14.8	20.5
4 11	15 30.19	−25 35.6	1.962	2.837	11.9	20.3
4 21	15 23.41	−25 41.1	1.897	2.840	8.6	20.1
5 1	15 14.84	−25 34.4	1.856	2.844	5.0	19.9
5 11	15 5.40	−25 16.4	1.843	2.847	2.7	19.8
5 21	14 56.11	−24 49.6	1.857	2.850	4.8	19.9
5 31	14 47.99	−24 18.2	1.897	2.853	8.3	20.1
6 10	14 41.81	−23 47.2	1.962	2.856	11.7	20.4

352408 2007 XG_{41} 5 9.6 198°.81 2°.8/ 7.6 18

4 1	15 32.34	− 9 14.7	2.544	3.350	11.6	21.2
4 11	15 27.76	− 8 55.3	2.455	3.348	9.1	21.0
4 21	15 21.42	− 8 34.9	2.389	3.345	6.3	20.8
5 1	15 13.80	− 8 15.8	2.350	3.342	3.6	20.6
5 11	15 5.57	− 8 0.8	2.339	3.339	3.0	20.6
5 21	14 57.45	− 7 52.2	2.358	3.335	5.4	20.7
5 31	14 50.14	− 7 52.0	2.403	3.331	8.3	20.9
6 10	14 44.22	− 8 1.3	2.474	3.327	11.0	21.1

125873 2001 XF_{195} 5 9.6 83°.10 5°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.10	−35 26.1	1.849	2.602	17.2	19.6
4 11	15 31.02	−35 35.2	1.769	2.612	14.5	19.4
4 21	15 24.13	−35 23.6	1.708	2.622	11.4	19.3
5 1	15 15.19	−34 49.0	1.669	2.631	8.2	19.1
5 11	15 5.35	−33 51.8	1.655	2.641	6.1	19.0
5 21	14 55.87	−32 36.2	1.668	2.650	6.6	19.0
5 31	14 47.92	−31 9.6	1.707	2.660	9.3	19.2
6 10	14 42.31	−29 40.8	1.769	2.669	12.4	19.4

498088 2007 RK_{237} 5 9.6 147°.08 1°.9/ 7.8 17

4 1	15 31.43	−12 49.1	2.964	3.761	10.4	23.5
4 11	15 26.69	−12 10.6	2.883	3.773	8.0	23.3
4 21	15 20.49	−11 28.6	2.828	3.785	5.4	23.2
5 1	15 13.29	−10 45.4	2.801	3.796	2.8	23.0
5 11	15 5.67	−10 3.9	2.803	3.806	2.1	23.0
5 21	14 58.24	− 9 27.0	2.836	3.816	4.4	23.2
5 31	14 51.55	− 8 57.1	2.897	3.825	7.0	23.3
6 10	14 46.09	− 8 36.1	2.983	3.833	9.4	23.5

202680 2006 TV_{63} 5 9.6 287°.39 6°.9/ 3.4 18

4 1	15 28.36	− 0 31.2	2.162	2.983	12.9	19.7
4 11	15 24.95	+ 0 53.3	2.083	2.976	10.5	19.5
4 21	15 19.67	+ 2 15.9	2.028	2.969	8.3	19.4
5 1	15 13.01	+ 3 30.2	1.999	2.962	7.0	19.3
5 11	15 5.71	+ 4 30.2	1.996	2.955	7.5	19.3
5 21	14 58.54	+ 5 11.4	2.019	2.948	9.4	19.4
5 31	14 52.26	+ 5 31.2	2.066	2.941	11.9	19.5
6 10	14 47.50	+ 5 29.8	2.133	2.934	14.3	19.7

294734 2008 BK_{48} 5 9.6 164°.57 1°.4/ 8.9 17

4 1	15 35.98	−14 54.5	1.725	2.540	15.9	21.4
4 11	15 31.52	−14 45.1	1.643	2.542	12.4	21.1
4 21	15 24.43	−14 30.1	1.583	2.544	8.4	20.9
5 1	15 15.35	−14 11.2	1.548	2.546	4.0	20.6
5 11	15 5.33	−13 51.6	1.539	2.547	1.7	20.5
5 21	14 55.49	−13 34.8	1.557	2.548	5.9	20.8
5 31	14 46.97	−13 24.4	1.601	2.549	10.2	21.0
6 10	14 40.59	−13 23.4	1.668	2.549	14.0	21.2

505818 2015 BL_{442} 5 9.6 329°.53 4°.2/11.9 17

4 1	15 33.43	−27 45.8	1.705	2.497	17.0	21.2
4 11	15 29.99	−28 14.8	1.615	2.491	13.9	21.0
4 21	15 23.69	−28 29.8	1.545	2.486	10.4	20.8
5 1	15 15.12	−28 28.5	1.498	2.481	6.6	20.6
5 11	15 5.35	−28 10.7	1.476	2.476	4.2	20.4
5 21	14 55.67	−27 38.9	1.479	2.471	6.0	20.5
5 31	14 47.33	−26 58.3	1.508	2.467	9.8	20.7
6 10	14 41.33	−26 15.9	1.560	2.464	13.5	20.9

117481 2005 BD_{44} 5 9.6 263°.52 2°.5/ 8.3 17

4 1	15 35.04	−13 35.8	1.665	2.487	16.1	20.6
4 11	15 31.13	−13 8.6	1.566	2.468	12.7	20.3
4 21	15 24.43	−12 34.6	1.487	2.450	8.7	20.0
5 1	15 15.49	−11 56.7	1.433	2.430	4.4	19.7
5 11	15 5.29	−11 19.3	1.405	2.411	2.8	19.5
5 21	14 55.03	−10 47.2	1.403	2.390	6.9	19.7
5 31	14 45.95	−10 25.2	1.426	2.370	11.6	20.0
6 10	14 39.07	−10 17.0	1.471	2.349	15.8	20.2

344389 2001 XQ_{260} 5 9.6 104°.61 1°.7/ 8.3 17

4 1	15 32.39	−13 0.0	2.580	3.382	11.6	21.8
4 11	15 27.63	−12 40.1	2.509	3.401	9.0	21.7
4 21	15 21.20	−12 17.2	2.462	3.420	6.0	21.5
5 1	15 13.65	−11 53.1	2.443	3.439	3.0	21.3
5 11	15 5.63	−11 30.5	2.452	3.457	1.9	21.3
5 21	14 57.85	−11 11.8	2.490	3.475	4.5	21.5
5 31	14 50.97	−10 59.4	2.557	3.493	7.5	21.7
6 10	14 45.49	−10 54.7	2.648	3.510	10.1	21.9

4867 Polites 5 9.6 346°.24 6°.3/18.7 18

4 1	15 31.94	−50 43.6	4.475	5.073	9.6	17.2
4 11	15 27.35	−51 24.3	4.376	5.072	8.8	17.1
4 21	15 21.12	−51 52.7	4.296	5.072	7.9	17.0
5 1	15 13.68	−52 6.6	4.238	5.072	7.0	17.0
5 11	15 5.61	−52 4.8	4.204	5.071	6.4	16.9
5 21	14 57.57	−51 47.8	4.195	5.071	6.3	16.9
5 31	14 50.24	−51 17.2	4.210	5.071	6.7	16.9
6 10	14 44.16	−50 35.8	4.250	5.070	7.4	17.0

379980 2012 TF_{78} 5 9.6 321°.98 1°.8/11.5 17

4 1	15 27.20	−25 36.3	4.096	4.857	8.3	20.3
4 11	15 23.28	−25 54.8	3.992	4.852	6.7	20.1
4 21	15 18.18	−26 7.5	3.913	4.848	4.9	20.0
5 1	15 12.23	−26 14.1	3.861	4.844	3.0	19.9
5 11	15 5.85	−26 15.0	3.839	4.840	1.8	19.8
5 21	14 59.50	−26 11.2	3.846	4.836	2.8	19.8
5 31	14 53.62	−26 4.0	3.882	4.832	4.7	20.0
6 10	14 48.62	−25 55.4	3.945	4.828	6.6	20.1

5409 Saale 5 9.6 261°.73 4°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.09	−30 17.9	2.013	2.782	15.5	17.6
4 11	15 30.16	−30 25.1	1.907	2.768	12.8	17.4
4 21	15 23.63	−30 16.5	1.822	2.753	9.7	17.1
5 1	15 15.05	−29 50.1	1.760	2.737	6.4	16.9
5 11	15 5.37	−29 6.3	1.724	2.722	4.2	16.7
5 21	14 55.72	−28 8.1	1.716	2.706	5.6	16.8
5 31	14 47.22	−27 1.0	1.734	2.690	9.0	16.9
6 10	14 40.79	−25 52.5	1.776	2.673	12.5	17.1

503213 2015 HN_{36} 5 9.6 78°.41 3°.4/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.51	− 8 29.4	2.022	2.838	13.8	21.2
4 11	15 29.08	− 8 14.0	1.944	2.842	10.8	21.0
4 21	15 22.51	− 7 58.4	1.888	2.846	7.5	20.8
5 1	15 14.37	− 7 45.6	1.858	2.850	4.3	20.6
5 11	15 5.51	− 7 38.6	1.855	2.854	3.6	20.6
5 21	14 56.84	− 7 39.9	1.879	2.858	6.4	20.7
5 31	14 49.24	− 7 51.5	1.930	2.862	9.7	20.9
6 10	14 43.39	− 8 14.0	2.004	2.866	12.8	21.2

148430 2000 WZ_{167} 5 9.6 171°.98 4°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.56	− 3 26.1	2.927	3.730	10.3	20.3
4 11	15 26.07	− 2 50.6	2.846	3.733	8.2	20.1
4 21	15 20.12	− 2 16.9	2.790	3.736	6.0	20.0
5 1	15 13.15	− 1 48.0	2.760	3.738	4.4	19.9
5 11	15 5.72	− 1 26.9	2.760	3.739	4.4	19.9
5 21	14 58.42	− 1 15.8	2.788	3.740	6.1	20.0
5 31	14 51.83	− 1 16.0	2.843	3.741	8.3	20.1
6 10	14 46.42	− 1 27.9	2.922	3.742	10.4	20.3

461591 2004 RM_{269} 5 9.6 202°.70 2°.5/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.34	−24 16.4	1.603	2.403	17.6	22.5
4 11	15 33.10	−24 27.8	1.517	2.401	14.2	22.3
4 21	15 25.81	−24 25.9	1.449	2.399	10.1	22.1
5 1	15 16.13	−24 9.6	1.405	2.396	5.6	21.8
5 11	15 5.22	−23 39.9	1.387	2.393	2.5	21.6
5 21	14 54.45	−23 0.4	1.394	2.390	5.7	21.8
5 31	14 45.17	−22 17.2	1.428	2.386	10.3	22.0
6 10	14 38.39	−21 37.2	1.483	2.382	14.4	22.3

168863 2000 VW_{24} 5 9.6 176°.25 0°.4/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.07	−20 43.5	2.006	2.799	14.7	21.5
4 11	15 32.05	−20 27.1	1.917	2.802	11.7	21.3
4 21	15 24.63	−20 0.6	1.851	2.804	8.0	21.0
5 1	15 15.42	−19 24.7	1.810	2.806	3.9	20.8
5 11	15 5.37	−18 42.1	1.797	2.806	0.7	20.5
5 21	14 55.50	−17 56.8	1.812	2.806	4.8	20.8
5 31	14 46.84	−17 13.7	1.855	2.805	8.9	21.1
6 10	14 40.15	−16 37.4	1.922	2.804	12.4	21.3

513444 2008 VX_{43} 5 9.6 163°.04 1°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.61	−28 5.9	4.365	5.112	8.1	23.5
4 11	15 23.46	−28 2.7	4.268	5.117	6.5	23.4
4 21	15 18.22	−27 52.4	4.194	5.122	4.8	23.3
5 1	15 12.23	−27 34.9	4.149	5.127	3.0	23.1
5 11	15 5.90	−27 11.1	4.133	5.132	1.8	23.1
5 21	14 59.66	−26 42.4	4.146	5.136	2.7	23.1
5 31	14 53.93	−26 10.7	4.190	5.139	4.4	23.3
6 10	14 49.06	−25 38.3	4.261	5.143	6.2	23.4

174061 2002 CU_{258} 5 9.6 318°.49 7°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.45	+ 3 30.7	2.197	3.012	12.9	19.8
4 11	15 24.99	+ 4 46.4	2.124	3.007	10.8	19.6
4 21	15 19.68	+ 5 56.6	2.074	3.002	8.9	19.5
5 1	15 13.04	+ 6 54.9	2.048	2.997	7.9	19.4
5 11	15 5.78	+ 7 36.0	2.049	2.992	8.4	19.4
5 21	14 58.67	+ 7 56.5	2.074	2.988	10.1	19.5
5 31	14 52.45	+ 7 54.8	2.123	2.983	12.2	19.6
6 10	14 47.72	+ 7 31.9	2.192	2.979	14.4	19.8

377692 2005 VU_{112} 5 9.6 156°.35 1°.6/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.21	−24 29.8	2.070	2.857	14.5	22.0
4 11	15 29.78	−24 14.4	1.984	2.862	11.6	21.8
4 21	15 23.06	−23 46.5	1.919	2.867	8.2	21.6
5 1	15 14.67	−23 6.4	1.879	2.871	4.4	21.3
5 11	15 5.51	−22 16.5	1.867	2.875	1.6	21.2
5 21	14 56.58	−21 21.0	1.883	2.878	4.5	21.4
5 31	14 48.81	−20 25.0	1.926	2.881	8.3	21.6
6 10	14 42.93	−19 34.1	1.993	2.883	11.7	21.8

101880 1999 NJ_{29} 5 9.6 300°.23 9°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.67	+ 3 53.1	1.707	2.530	15.7	19.4
4 11	15 28.34	+ 5 8.4	1.615	2.503	13.3	19.2
4 21	15 22.47	+ 6 18.3	1.544	2.476	11.1	19.0
5 1	15 14.56	+ 7 14.4	1.496	2.448	9.8	18.9
5 11	15 5.52	+ 7 48.7	1.471	2.421	10.4	18.8
5 21	14 56.42	+ 7 55.7	1.471	2.394	12.7	18.9
5 31	14 48.37	+ 7 33.3	1.491	2.367	15.6	19.0
6 10	14 42.30	+ 6 42.8	1.531	2.341	18.6	19.1

249609 1999 RL_{161} 5 9.6 258°.53 2°.7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.92	−14 41.6	1.685	2.509	15.8	20.8
4 11	15 29.33	−13 48.9	1.591	2.495	12.5	20.5
4 21	15 23.11	−12 46.3	1.518	2.481	8.5	20.3
5 1	15 14.84	−11 37.6	1.469	2.466	4.3	20.0
5 11	15 5.49	−10 28.7	1.447	2.451	3.1	19.9
5 21	14 56.19	− 9 26.0	1.451	2.436	7.1	20.1
5 31	14 48.11	− 8 35.9	1.480	2.421	11.5	20.3
6 10	14 42.13	− 8 2.5	1.531	2.405	15.5	20.5

352057 2006 WW_{33} 5 9.6 198°.25 1°.9/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.08	−12 26.9	2.471	3.278	11.9	21.8
4 11	15 26.87	−12 6.5	2.382	3.277	9.3	21.6
4 21	15 20.89	−11 42.9	2.317	3.275	6.3	21.4
5 1	15 13.60	−11 18.3	2.278	3.274	3.2	21.2
5 11	15 5.70	−10 55.4	2.267	3.272	2.2	21.1
5 21	14 57.92	−10 36.8	2.286	3.270	4.9	21.3
5 31	14 50.97	−10 25.2	2.331	3.268	8.1	21.5
6 10	14 45.44	−10 22.4	2.401	3.266	10.9	21.7

357061 2001 PH_{44} 5 9.6 294°.31 3°.8/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.80	−25 55.6	1.344	2.159	19.5	20.6
4 11	15 31.36	−26 14.9	1.241	2.133	16.1	20.3
4 21	15 25.35	−26 18.2	1.156	2.108	11.9	20.0
5 1	15 16.25	−26 2.4	1.092	2.082	7.1	19.6
5 11	15 5.22	−25 27.0	1.051	2.056	3.8	19.3
5 21	14 53.87	−24 35.1	1.034	2.030	7.0	19.4
5 31	14 43.99	−23 34.4	1.040	2.005	12.3	19.6
6 10	14 37.03	−22 34.9	1.066	1.980	17.5	19.8

353169 2009 KE_{4} 5 9.6 345°.48 4°.5/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.83	− 2 39.8	2.108	2.909	13.8	20.1
4 11	15 33.21	− 2 56.4	2.020	2.907	11.1	19.9
4 21	15 25.33	− 3 19.2	1.956	2.904	8.0	19.7
5 1	15 15.76	− 3 50.5	1.918	2.902	5.3	19.6
5 11	15 5.36	− 4 32.0	1.908	2.900	4.6	19.5
5 21	14 55.07	− 5 24.1	1.927	2.898	6.9	19.7
5 31	14 45.83	− 6 26.3	1.974	2.897	10.1	19.8
6 10	14 38.39	− 7 37.3	2.045	2.895	13.1	20.0

500991 2013 RP_{12} 5 9.6 167°.89 3°.2/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.62	−12 26.4	1.943	2.760	14.2	22.2
4 11	15 28.50	−11 27.7	1.862	2.763	11.1	21.9
4 21	15 22.17	−10 22.8	1.805	2.765	7.6	21.7
5 1	15 14.25	− 9 16.0	1.773	2.767	4.2	21.5
5 11	15 5.61	− 8 12.8	1.768	2.769	3.6	21.5
5 21	14 57.19	− 7 18.3	1.791	2.770	6.6	21.7
5 31	14 49.89	− 6 37.1	1.841	2.771	10.2	21.9
6 10	14 44.40	− 6 11.7	1.913	2.771	13.5	22.1

335162 2004 XG_{100} 5 9.6 210°.34 0°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.32	−16 33.0	1.986	2.794	14.4	20.8
4 11	15 29.96	−16 31.0	1.898	2.792	11.3	20.6
4 21	15 23.27	−16 23.0	1.832	2.790	7.6	20.4
5 1	15 14.83	−16 10.4	1.790	2.788	3.6	20.1
5 11	15 5.51	−15 55.2	1.777	2.786	0.9	19.9
5 21	14 56.31	−15 40.3	1.791	2.784	5.0	20.2
5 31	14 48.20	−15 28.9	1.831	2.781	9.0	20.4
6 10	14 41.96	−15 24.3	1.896	2.779	12.5	20.7

503641 2016 GC_{178} 5 9.6 268°.48 3°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.05	− 9 17.6	1.786	2.608	15.1	21.7
4 11	15 30.08	− 8 45.0	1.689	2.591	12.0	21.4
4 21	15 23.57	− 8 9.6	1.614	2.574	8.4	21.2
5 1	15 15.06	− 7 35.2	1.564	2.556	4.9	20.9
5 11	15 5.46	− 7 6.6	1.540	2.539	4.3	20.8
5 21	14 55.85	− 6 48.0	1.542	2.520	7.5	21.0
5 31	14 47.32	− 6 43.1	1.570	2.502	11.5	21.2
6 10	14 40.78	− 6 53.5	1.619	2.484	15.3	21.4

94052 2000 YS_{5} 5 9.6 20°.61 3°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.58	−23 50.0	1.586	2.391	17.5	18.6
4 11	15 31.73	−24 36.3	1.509	2.395	14.1	18.4
4 21	15 24.89	−25 12.5	1.451	2.400	10.2	18.2
5 1	15 15.72	−25 36.1	1.416	2.405	6.0	17.9
5 11	15 5.37	−25 46.4	1.406	2.411	3.4	17.8
5 21	14 55.19	−25 45.1	1.423	2.417	5.9	17.9
5 31	14 46.48	−25 36.2	1.464	2.423	10.0	18.2
6 10	14 40.23	−25 25.3	1.527	2.431	13.8	18.4

373564 2001 XY_{12} 5 9.6 105°.97 5°.8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.05	−35 35.1	2.118	2.852	15.8	21.8
4 11	15 33.68	−35 56.6	2.044	2.874	13.3	21.6
4 21	15 25.72	−36 0.2	1.990	2.894	10.5	21.5
5 1	15 15.93	−35 43.5	1.959	2.915	7.7	21.3
5 11	15 5.37	−35 6.4	1.955	2.934	5.9	21.3
5 21	14 55.20	−34 12.0	1.977	2.954	6.3	21.3
5 31	14 46.47	−33 6.3	2.027	2.972	8.6	21.5
6 10	14 39.95	−31 56.4	2.101	2.990	11.2	21.7

366307 2013 CR_{84} 5 9.6 34°.59 3°.7/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.24	− 7 55.9	2.354	3.173	12.0	20.5
4 11	15 24.68	− 7 12.3	2.278	3.178	9.4	20.3
4 21	15 19.39	− 6 27.6	2.225	3.183	6.6	20.2
5 1	15 12.89	− 5 45.6	2.199	3.188	4.2	20.0
5 11	15 5.85	− 5 10.0	2.200	3.193	4.0	20.0
5 21	14 58.99	− 4 44.0	2.229	3.199	6.2	20.1
5 31	14 52.99	− 4 30.0	2.284	3.204	9.0	20.3
6 10	14 48.38	− 4 29.1	2.362	3.210	11.6	20.5

181169 2005 SB_{53} 5 9.6 288°.98 2°.4/11.3 18

4 1	15 31.43	−25 31.8	2.271	3.055	13.5	20.9
4 11	15 27.67	−25 39.7	2.166	3.041	11.0	20.7
4 21	15 21.74	−25 36.9	2.083	3.027	7.9	20.5
5 1	15 14.13	−25 22.7	2.025	3.012	4.6	20.2
5 11	15 5.64	−24 57.8	1.994	2.998	2.4	20.1
5 21	14 57.15	−24 24.7	1.990	2.984	4.5	20.2
5 31	14 49.58	−23 47.4	2.014	2.970	7.9	20.3
6 10	14 43.70	−23 10.6	2.062	2.957	11.2	20.5

219733 2001 XR_{153} 5 9.6 125°.19 1°.7/ 8.5 17

4 1	15 34.69	−14 19.6	1.987	2.797	14.3	21.1
4 11	15 30.04	−13 57.6	1.911	2.807	11.1	20.9
4 21	15 23.18	−13 30.4	1.857	2.817	7.5	20.7
5 1	15 14.72	−13 0.4	1.830	2.827	3.6	20.5
5 11	15 5.57	−12 30.9	1.829	2.836	2.0	20.4
5 21	14 56.66	−12 5.5	1.857	2.845	5.5	20.7
5 31	14 48.92	−11 47.5	1.911	2.854	9.2	20.9
6 10	14 43.02	−11 39.3	1.989	2.862	12.5	21.1

39453 4070 $T\text{-}_3$ 5 9.6 88°.48 6°.3/ 3.3 18

4 1	15 28.39	− 1 50.8	2.361	3.178	12.0	18.4
4 11	15 24.71	− 0 12.1	2.296	3.187	9.7	18.3
4 21	15 19.36	+ 1 25.1	2.255	3.196	7.5	18.1
5 1	15 12.85	+ 2 54.7	2.242	3.205	6.3	18.1
5 11	15 5.87	+ 4 10.8	2.256	3.214	6.8	18.1
5 21	14 59.10	+ 5 9.3	2.297	3.223	8.6	18.2
5 31	14 53.21	+ 5 47.5	2.363	3.232	10.8	18.4
6 10	14 48.70	+ 6 5.3	2.450	3.241	13.0	18.6

301760 2010 JP_{42} 5 9.6 316°.53 3°.8/13.9 18

4 1	15 28.38	−35 27.2	4.081	4.794	9.1	19.9
4 11	15 24.39	−35 57.2	3.973	4.786	7.7	19.7
4 21	15 19.06	−36 18.3	3.888	4.778	6.2	19.6
5 1	15 12.73	−36 29.3	3.828	4.771	4.8	19.5
5 11	15 5.88	−36 29.8	3.796	4.764	3.9	19.4
5 21	14 59.04	−36 20.7	3.792	4.756	4.1	19.5
5 31	14 52.72	−36 3.4	3.816	4.749	5.3	19.5
6 10	14 47.39	−35 40.5	3.867	4.742	6.9	19.6

131965 2002 CU_{50} 5 9.6 222°.12 0°.4/ 9.4 16

4 1	15 36.18	−18 54.3	1.812	2.617	15.6	20.8
4 11	15 31.76	−18 30.7	1.716	2.608	12.4	20.6
4 21	15 24.70	−17 56.7	1.641	2.599	8.4	20.3
5 1	15 15.59	−17 13.7	1.591	2.589	4.0	20.0
5 11	15 5.42	−16 25.0	1.569	2.578	0.9	19.8
5 21	14 55.32	−15 35.4	1.574	2.567	5.5	20.1
5 31	14 46.44	−14 50.5	1.605	2.555	10.0	20.3
6 10	14 39.68	−14 15.2	1.660	2.543	14.0	20.5

310237 2011 UP 5 9.6 240°.31 5°.1/ 4.9 17

4 1	15 29.66	− 2 54.2	2.576	3.387	11.3	21.6
4 11	15 25.70	− 1 56.7	2.485	3.375	9.1	21.4
4 21	15 20.08	− 1 0.0	2.419	3.364	6.9	21.3
5 1	15 13.25	− 0 8.5	2.379	3.352	5.3	21.1
5 11	15 5.81	+ 0 33.4	2.367	3.340	5.5	21.1
5 21	14 58.45	+ 1 2.6	2.382	3.328	7.4	21.2
5 31	14 51.84	+ 1 16.5	2.424	3.315	9.8	21.4
6 10	14 46.52	+ 1 14.7	2.488	3.302	12.1	21.5

436434 2011 BX_{53} 5 9.6 161°.96 0°.5/ 9.9 17

4 1	15 35.15	−20 16.2	1.999	2.798	14.6	22.5
4 11	15 30.58	−20 7.1	1.914	2.802	11.5	22.3
4 21	15 23.66	−19 48.7	1.850	2.805	7.9	22.0
5 1	15 15.00	−19 21.8	1.812	2.808	3.9	21.8
5 11	15 5.53	−18 49.0	1.801	2.811	0.7	21.5
5 21	14 56.25	−18 13.5	1.819	2.814	4.7	21.9
5 31	14 48.14	−17 40.0	1.863	2.816	8.7	22.1
6 10	14 41.93	−17 12.5	1.931	2.817	12.2	22.3

37272 2000 XR_{39} 5 9.6 214°.55 1°.4/ 8.8 18

4 1	15 35.28	−11 58.2	2.620	3.416	11.6	18.7
4 11	15 30.09	−12 11.4	2.525	3.412	9.1	18.5
4 21	15 23.06	−12 23.5	2.453	3.409	6.2	18.3
5 1	15 14.67	−12 35.6	2.409	3.405	3.0	18.1
5 11	15 5.59	−12 48.8	2.394	3.401	1.6	18.0
5 21	14 56.56	−13 4.4	2.409	3.397	4.4	18.2
5 31	14 48.33	−13 23.7	2.453	3.393	7.6	18.3
6 10	14 41.52	−13 47.8	2.523	3.388	10.4	18.5

519647 2012 UO_{183} 5 9.6 159°.41 0°.5/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.74	−18 25.6	2.213	3.018	13.2	21.7
4 11	15 26.88	−17 57.6	2.126	3.019	10.3	21.5
4 21	15 21.02	−17 21.4	2.061	3.020	7.0	21.3
5 1	15 13.72	−16 38.8	2.023	3.021	3.3	21.1
5 11	15 5.75	−15 53.0	2.012	3.021	0.8	20.9
5 21	14 57.94	−15 7.9	2.029	3.022	4.6	21.1
5 31	14 51.10	−14 27.6	2.074	3.023	8.2	21.4
6 10	14 45.88	−13 55.7	2.143	3.023	11.4	21.6

409284 2004 RK_{236} 5 9.6 217°.53 5°.6/12.7 16

4 1	15 39.88	−31 30.7	1.807	2.570	17.2	22.3
4 11	15 35.15	−32 6.1	1.710	2.563	14.4	22.1
4 21	15 27.30	−32 26.0	1.632	2.555	11.1	21.9
5 1	15 16.94	−32 26.3	1.577	2.547	7.8	21.7
5 11	15 5.21	−32 5.4	1.547	2.538	5.6	21.5
5 21	14 53.48	−31 25.1	1.544	2.528	6.8	21.6
5 31	14 43.17	−30 31.1	1.567	2.518	10.1	21.7
6 10	14 35.37	−29 31.7	1.613	2.507	13.7	21.9

171256 Lucieconstant 5 9.6 303°.07 0°.9/ 8.9 17

4 1	15 30.40	−16 34.9	2.206	3.015	13.1	20.5
4 11	15 26.65	−16 14.3	2.116	3.012	10.2	20.3
4 21	15 20.90	−15 47.1	2.049	3.009	6.9	20.1
5 1	15 13.68	−15 15.2	2.008	3.006	3.2	19.8
5 11	15 5.75	−14 41.5	1.995	3.004	1.2	19.7
5 21	14 57.95	−14 9.5	2.009	3.001	4.7	19.9
5 31	14 51.09	−13 42.7	2.051	2.998	8.3	20.1
6 10	14 45.82	−13 24.1	2.116	2.996	11.6	20.3

54384 2000 KU_{63} 5 9.6 79°.14 6°.6/ 6.6 18

4 1	15 37.39	− 1 31.7	1.638	2.458	16.4	19.1
4 11	15 32.38	− 1 0.9	1.579	2.474	13.1	18.9
4 21	15 24.84	− 0 36.0	1.542	2.490	9.7	18.8
5 1	15 15.51	− 0 22.2	1.528	2.506	7.1	18.6
5 11	15 5.48	− 0 23.9	1.540	2.522	6.9	18.7
5 21	14 55.87	− 0 43.1	1.578	2.537	9.3	18.8
5 31	14 47.70	− 1 19.9	1.641	2.553	12.4	19.1
6 10	14 41.69	− 2 12.5	1.725	2.568	15.4	19.3

471882 2013 AG_{102} 5 9.6 170°.86 4°.8/ 4.8 18

4 1	15 30.16	− 0 34.9	3.073	3.872	10.0	22.7
4 11	15 25.70	+ 0 13.5	2.995	3.876	8.0	22.6
4 21	15 19.87	+ 0 59.1	2.942	3.879	6.2	22.5
5 1	15 13.08	+ 1 38.5	2.917	3.882	4.9	22.4
5 11	15 5.87	+ 2 8.3	2.920	3.884	5.1	22.4
5 21	14 58.79	+ 2 26.4	2.952	3.886	6.6	22.5
5 31	14 52.39	+ 2 31.4	3.010	3.888	8.5	22.6
6 10	14 47.10	+ 2 23.2	3.091	3.888	10.4	22.8

12784 1995 QE_3 5 9.6 277°.52 1°.3/10.3 18

4 1	15 34.87	−21 49.3	1.692	2.499	16.5	18.7
4 11	15 31.25	−21 47.4	1.584	2.475	13.3	18.4
4 21	15 24.72	−21 33.7	1.495	2.451	9.4	18.1
5 1	15 15.77	−21 7.7	1.431	2.426	4.8	17.8
5 11	15 5.40	−20 31.1	1.392	2.401	1.3	17.5
5 21	14 54.86	−19 47.6	1.379	2.375	5.7	17.7
5 31	14 45.48	−19 3.1	1.392	2.350	10.6	17.9
6 10	14 38.38	−18 24.0	1.428	2.324	15.0	18.1

233878 2008 WQ_{81} 5 9.6 185°.20 0°.8/ 8.6 18

4 1	15 26.08	−14 55.5	4.357	5.147	7.4	22.7
4 11	15 22.23	−14 33.6	4.260	5.146	5.7	22.6
4 21	15 17.40	−14 8.8	4.189	5.145	3.8	22.4
5 1	15 11.89	−13 42.2	4.147	5.144	1.8	22.3
5 11	15 6.06	−13 15.4	4.135	5.142	1.0	22.2
5 21	15 0.31	−12 50.1	4.154	5.140	2.8	22.3
5 31	14 55.00	−12 27.9	4.201	5.138	4.8	22.5
6 10	14 50.45	−12 10.2	4.276	5.135	6.6	22.6

517583 2014 VN_{22} 5 9.6 188°.26 1°.7/ 8.6 17

4 1	15 36.22	−14 13.2	1.828	2.641	15.2	22.4
4 11	15 31.60	−13 56.6	1.743	2.640	11.9	22.1
4 21	15 24.46	−13 34.5	1.679	2.640	8.1	21.9
5 1	15 15.44	−13 9.3	1.641	2.638	3.9	21.6
5 11	15 5.49	−12 44.1	1.630	2.637	2.1	21.5
5 21	14 55.69	−12 22.8	1.646	2.635	5.9	21.8
5 31	14 47.11	−12 8.8	1.688	2.632	10.0	22.0
6 10	14 40.57	−12 5.1	1.753	2.629	13.7	22.2

194036 2001 SA_{84} 5 9.6 289°.81 1°.9/ 8.6 16

4 1	15 32.39	−16 58.6	1.344	2.180	18.4	20.2
4 11	15 29.61	−16 17.4	1.259	2.170	14.5	19.9
4 21	15 23.68	−15 23.4	1.193	2.159	9.9	19.6
5 1	15 15.25	−14 19.9	1.149	2.149	4.7	19.3
5 11	15 5.50	−13 12.9	1.130	2.138	2.3	19.1
5 21	14 55.86	−12 10.1	1.136	2.128	7.4	19.4
5 31	14 47.74	−11 19.1	1.165	2.118	12.6	19.6
6 10	14 42.21	−10 45.5	1.214	2.108	17.3	19.9

23342 4086 *P–L* 5 9.6 230°.44 0°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.55	−20 15.8	2.340	3.132	12.9	21.0
4 11	15 29.11	−19 58.3	2.236	3.121	10.2	20.8
4 21	15 22.60	−19 31.9	2.155	3.108	7.0	20.5
5 1	15 14.52	−18 57.4	2.099	3.095	3.4	20.3
5 11	15 5.63	−18 17.2	2.072	3.082	0.5	20.0
5 21	14 56.78	−17 34.6	2.074	3.068	4.3	20.3
5 31	14 48.84	−16 53.7	2.104	3.054	8.0	20.5
6 10	14 42.51	−16 18.6	2.159	3.039	11.3	20.7

356610 2011 UV_2 5 9.6 210°.52 2°.7/11.4 18

4 1	15 37.10	−25 44.7	2.865	3.622	11.6	21.3
4 11	15 31.61	−26 22.0	2.759	3.616	9.4	21.1
4 21	15 24.18	−26 52.1	2.677	3.610	6.9	20.9
5 1	15 15.26	−27 13.4	2.622	3.603	4.3	20.8
5 11	15 5.53	−27 25.3	2.596	3.596	2.7	20.6
5 21	14 55.76	−27 28.6	2.601	3.589	4.1	20.7
5 31	14 46.76	−27 25.3	2.634	3.581	6.8	20.9
6 10	14 39.21	−27 18.5	2.694	3.573	9.4	21.0

250516 2004 NY_{21} 5 9.6 251°.22 4°.4/ 6.3 18

4 1	15 31.30	− 3 39.5	2.575	3.382	11.4	20.4
4 11	15 27.00	− 3 10.4	2.482	3.372	9.1	20.2
4 21	15 20.98	− 2 43.2	2.413	3.361	6.7	20.0
5 1	15 13.70	− 2 21.3	2.370	3.350	4.8	19.9
5 11	15 5.79	− 2 7.8	2.356	3.339	4.7	19.9
5 21	14 57.95	− 2 5.2	2.369	3.328	6.6	20.0
5 31	14 50.86	− 2 14.9	2.409	3.316	9.2	20.1
6 10	14 45.10	− 2 37.4	2.473	3.305	11.7	20.3

507917 2014 WM_{480} 5 9.6 174°.66 3°.5/12.5 17

4 1	15 36.41	−30 40.7	2.318	3.072	14.1	22.0
4 11	15 31.40	−30 31.4	2.224	3.075	11.6	21.8
4 21	15 24.13	−30 7.0	2.151	3.078	8.7	21.6
5 1	15 15.22	−29 26.3	2.103	3.080	5.6	21.4
5 11	15 5.56	−28 30.8	2.083	3.081	3.5	21.3
5 21	14 56.12	−27 23.9	2.091	3.081	4.8	21.4
5 31	14 47.82	−26 11.3	2.128	3.081	7.8	21.5
6 10	14 41.38	−24 59.2	2.190	3.080	10.8	21.7

56982 2000 SE_{189} 5 9.6 143°.13 2°.2/12.3 18 R

4 1	15 28.81	−28 48.4	3.917	4.663	8.9	20.1
4 11	15 24.55	−28 52.5	3.824	4.672	7.2	20.0
4 21	15 19.06	−28 48.5	3.755	4.681	5.4	19.9
5 1	15 12.71	−28 36.4	3.713	4.689	3.5	19.7
5 11	15 5.97	−28 16.9	3.700	4.697	2.2	19.7
5 21	14 59.33	−27 51.4	3.717	4.705	3.0	19.7
5 31	14 53.28	−27 22.1	3.763	4.712	4.8	19.9
6 10	14 48.21	−26 51.4	3.836	4.719	6.7	20.0

198199 2004 TA_{138} 5 9.6 186°.33 3°.9/ 6.3 18

4 1	15 31.83	− 8 46.0	2.378	3.189	12.2	21.2
4 11	15 27.48	− 7 41.7	2.293	3.189	9.6	21.0
4 21	15 21.32	− 6 34.3	2.233	3.188	6.7	20.9
5 1	15 13.86	− 5 28.1	2.199	3.187	4.3	20.7
5 11	15 5.81	− 4 27.8	2.194	3.185	4.2	20.7
5 21	14 57.91	− 3 37.7	2.217	3.182	6.6	20.8
5 31	14 50.89	− 3 1.1	2.267	3.179	9.5	21.0
6 10	14 45.35	− 2 39.7	2.341	3.176	12.2	21.2

156962 2003 HL_{29} 5 9.6 303°.42 1°.5/10.4 17

4 1	15 33.95	−20 49.3	1.687	2.498	16.4	20.2
4 11	15 30.43	−21 9.5	1.590	2.483	13.1	19.9
4 21	15 24.09	−21 21.2	1.512	2.468	9.2	19.7
5 1	15 15.46	−21 23.6	1.458	2.453	4.8	19.4
5 11	15 5.53	−21 17.5	1.430	2.439	1.6	19.1
5 21	14 55.53	−21 5.1	1.428	2.425	5.5	19.3
5 31	14 46.74	−20 50.6	1.452	2.411	10.1	19.6
6 10	14 40.19	−20 38.8	1.498	2.397	14.3	19.8

62779 2000 UC_{22} 5 9.6 120°.70 2°.2/ 8.1 18

4 1	15 31.26	−11 40.5	2.405	3.214	12.1	19.4
4 11	15 27.05	−11 21.8	2.322	3.218	9.4	19.2
4 21	15 21.04	−11 0.5	2.262	3.221	6.4	19.0
5 1	15 13.74	−10 39.0	2.229	3.225	3.3	18.8
5 11	15 5.83	−10 19.9	2.225	3.228	2.4	18.7
5 21	14 58.08	−10 5.8	2.248	3.232	5.1	18.9
5 31	14 51.20	− 9 59.1	2.299	3.235	8.2	19.1
6 10	14 45.78	−10 1.4	2.374	3.238	11.0	19.3

359862 2011 VD_3 5 9.6 207°.13 3°.7/12.9 18

4 1	15 32.64	−31 49.9	2.791	3.535	12.2	21.8
4 11	15 28.20	−31 55.8	2.689	3.531	10.1	21.6
4 21	15 21.88	−31 49.3	2.608	3.526	7.7	21.5
5 1	15 14.16	−31 29.0	2.553	3.521	5.3	21.3
5 11	15 5.76	−30 55.6	2.525	3.516	3.7	21.2
5 21	14 57.46	−30 11.2	2.526	3.510	4.5	21.2
5 31	14 50.03	−29 19.3	2.555	3.505	6.8	21.4
6 10	14 44.08	−28 24.9	2.610	3.498	9.3	21.5

38559 1999 VC_{115} 5 9.6 267°.19 2°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.58	−29 31.1	2.494	3.259	13.0	18.9
4 11	15 26.78	−29 15.3	2.389	3.249	10.6	18.7
4 21	15 21.01	−28 45.4	2.307	3.239	7.8	18.5
5 1	15 13.77	−28 1.2	2.249	3.230	4.9	18.3
5 11	15 5.83	−27 4.1	2.219	3.220	2.9	18.2
5 21	14 57.99	−25 57.7	2.217	3.210	4.3	18.2
5 31	14 51.07	−24 46.7	2.244	3.200	7.2	18.4
6 10	14 45.73	−23 36.8	2.296	3.190	10.2	18.6

504528 2008 RZ_{103} 5 9.7 214°.30 0°.3/ 9.9 17

4 1	15 32.61	−20 52.2	2.129	2.927	13.8	22.1
4 11	15 28.53	−20 27.7	2.035	2.923	10.9	21.9
4 21	15 22.28	−19 52.8	1.963	2.918	7.5	21.6
5 1	15 14.40	−19 8.8	1.917	2.914	3.6	21.4
5 11	15 5.75	−18 18.6	1.899	2.909	0.6	21.1
5 21	14 57.22	−17 26.3	1.909	2.903	4.6	21.4
5 31	14 49.73	−16 36.8	1.946	2.898	8.4	21.6
6 10	14 43.98	−15 54.6	2.007	2.892	11.9	21.8

433911 2015 BE_{482} 5 9.7 78°.48 0°.9/ 9.1 15

4 1	15 33.87	−17 14.5	1.771	2.586	15.5	21.7
4 11	15 29.66	−16 48.8	1.703	2.602	12.1	21.5
4 21	15 23.05	−16 14.8	1.657	2.617	8.1	21.3
5 1	15 14.73	−15 35.0	1.635	2.633	3.8	21.0
5 11	15 5.71	−14 53.4	1.640	2.649	1.3	20.9
5 21	14 57.04	−14 14.2	1.672	2.664	5.4	21.2
5 31	14 49.69	−13 42.1	1.730	2.680	9.5	21.5
6 10	14 44.36	−13 20.4	1.811	2.695	13.0	21.7

164220 2004 QW_{16} 5 9.7 213°.52 10°.3/30.5 18

4 1	15 38.12	+ 0 11.3	1.670	2.486	16.3	20.2
4 11	15 33.28	+ 2 56.4	1.591	2.477	13.5	20.0
4 21	15 25.74	+ 5 44.4	1.536	2.467	11.2	19.8
5 1	15 16.12	+ 8 22.8	1.508	2.455	10.3	19.7
5 11	15 5.47	+10 38.8	1.507	2.442	11.4	19.7
5 21	14 54.95	+12 22.6	1.532	2.428	14.0	19.8
5 31	14 45.72	+13 29.4	1.578	2.413	17.0	20.0
6 10	14 38.65	+13 59.8	1.643	2.396	19.8	20.2

171551 1999 TK_7 5 9.7 158°.99 0°.9/10.2 18

4 1	15 37.61	−21 27.0	2.078	2.866	14.5	21.0
4 11	15 32.42	−21 21.5	1.993	2.874	11.5	20.8
4 21	15 24.88	−21 6.3	1.930	2.881	7.9	20.6
5 1	15 15.62	−20 41.8	1.892	2.887	4.0	20.4
5 11	15 5.57	−20 10.0	1.883	2.892	1.0	20.1
5 21	14 55.73	−19 34.3	1.902	2.897	4.6	20.4
5 31	14 47.07	−18 58.9	1.949	2.901	8.4	20.6
6 10	14 40.34	−18 28.4	2.021	2.904	11.9	20.9

502985 2015 FG_{74} 5 9.7 95°.82 0°.8/10.1 17

4 1	15 33.74	−20 0.9	2.050	2.850	14.2	21.4
4 11	15 29.49	−20 7.5	1.963	2.852	11.3	21.2
4 21	15 22.97	−20 6.4	1.899	2.854	7.7	21.0
5 1	15 14.75	−19 57.8	1.860	2.856	3.8	20.8
5 11	15 5.70	−19 43.3	1.848	2.858	0.9	20.6
5 21	14 56.79	−19 25.4	1.864	2.860	4.6	20.8
5 31	14 48.97	−19 7.8	1.907	2.862	8.4	21.1
6 10	14 42.97	−18 54.0	1.974	2.863	11.8	21.3

242301 2003 WD_{27} 5 9.7 192°.02 2°.4/11.5 18

4 1	15 33.67	−26 19.5	2.382	3.156	13.3	21.1
4 11	15 29.21	−26 18.1	2.287	3.154	10.7	20.9
4 21	15 22.66	−26 5.3	2.213	3.153	7.7	20.7
5 1	15 14.57	−25 40.5	2.165	3.151	4.5	20.5
5 11	15 5.73	−25 5.1	2.144	3.149	2.4	20.3
5 21	14 57.02	−24 22.0	2.152	3.146	4.3	20.4
5 31	14 49.28	−23 35.3	2.188	3.143	7.5	20.6
6 10	14 43.22	−22 49.9	2.250	3.139	10.6	20.8

129774 1999 JM_5 5 9.7 43°.71 1°.8/11.1 18

4 1	15 33.95	−32 8.9	1.074	1.889	23.4	18.3
4 11	15 30.96	−30 9.9	1.023	1.916	18.7	18.1
4 21	15 24.31	−27 34.5	0.990	1.944	13.1	17.9
5 1	15 15.29	−24 29.0	0.978	1.972	6.9	17.6
5 11	15 5.67	−21 8.1	0.992	2.001	1.8	17.4
5 21	14 57.10	−17 51.1	1.032	2.031	6.5	17.8
5 31	14 50.82	−14 55.8	1.097	2.061	12.0	18.2
6 10	14 47.49	−12 33.3	1.184	2.091	16.7	18.6

395583 2011 UR_{270} 5 9.7 159°.64 2°.9/ 7.3 18

4 1	15 31.04	− 8 21.0	2.779	3.583	10.8	21.7
4 11	15 26.60	− 7 56.0	2.696	3.587	8.4	21.5
4 21	15 20.60	− 7 30.3	2.637	3.592	5.8	21.3
5 1	15 13.51	− 7 6.6	2.605	3.595	3.5	21.2
5 11	15 5.91	− 6 47.4	2.603	3.599	3.1	21.2
5 21	14 58.46	− 6 35.0	2.629	3.602	5.2	21.3
5 31	14 51.75	− 6 31.3	2.683	3.605	7.8	21.5
6 10	14 46.30	− 6 37.1	2.761	3.607	10.2	21.6

35818 1999 JC_{50} 5 9.7 117°.08 3°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.31	− 9 41.4	1.961	2.773	14.4	19.1
4 11	15 31.30	− 9 24.8	1.889	2.785	11.2	18.9
4 21	15 24.05	− 9 7.0	1.839	2.797	7.7	18.7
5 1	15 15.20	− 8 50.9	1.815	2.809	4.3	18.5
5 11	15 5.65	− 8 39.7	1.819	2.820	3.3	18.5
5 21	14 56.38	− 8 35.9	1.850	2.831	6.2	18.7
5 31	14 48.29	− 8 41.8	1.908	2.841	9.7	18.9
6 10	14 42.06	− 8 58.3	1.989	2.851	12.9	19.1

283307 2011 KU_{24} 5 9.7 69°.21 1°.7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.43	−14 37.9	1.906	2.722	14.5	21.1
4 11	15 28.51	−14 15.4	1.824	2.724	11.4	20.9
4 21	15 22.32	−13 47.1	1.765	2.726	7.7	20.7
5 1	15 14.44	−13 15.5	1.730	2.728	3.7	20.4
5 11	15 5.77	−12 44.1	1.723	2.730	2.0	20.3
5 21	14 57.28	−12 16.7	1.742	2.732	5.6	20.5
5 31	14 49.92	−11 57.0	1.788	2.734	9.5	20.8
6 10	14 44.42	−11 47.6	1.857	2.736	13.0	21.0

371010 2005 TE_{178} 5 9.7 164°.48 1°.7/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.44	−14 26.1	2.205	3.009	13.2	22.4
4 11	15 29.70	−13 55.3	2.121	3.014	10.3	22.2
4 21	15 22.92	−13 19.0	2.061	3.019	6.9	22.0
5 1	15 14.67	−12 39.6	2.026	3.023	3.4	21.8
5 11	15 5.74	−12 0.6	2.020	3.027	2.0	21.7
5 21	14 57.00	−11 25.7	2.043	3.029	5.2	21.9
5 31	14 49.29	−10 58.3	2.093	3.032	8.7	22.1
6 10	14 43.24	−10 41.0	2.167	3.034	11.9	22.3

377694 2005 VZ_{119} 5 9.7 128°.39 5°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.76	−35 3.6	2.182	2.921	15.3	21.2
4 11	15 31.90	−35 11.6	2.099	2.933	12.9	21.0
4 21	15 24.58	−35 2.0	2.035	2.944	10.0	20.8
5 1	15 15.48	−34 32.5	1.995	2.955	7.2	20.7
5 11	15 5.61	−33 43.8	1.981	2.965	5.4	20.6
5 21	14 56.05	−32 39.2	1.995	2.975	5.9	20.6
5 31	14 47.81	−31 24.5	2.035	2.985	8.3	20.8
6 10	14 41.62	−30 7.0	2.101	2.994	11.1	21.0

465662 2009 SD_{13} 5 9.7 120°.06 9°.4/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.80	+ 1 29.2	1.770	2.595	15.1	21.3
4 11	15 27.22	+ 3 41.4	1.709	2.599	12.5	21.2
4 21	15 21.39	+ 5 50.0	1.671	2.603	10.3	21.1
5 1	15 13.97	+ 7 45.3	1.658	2.607	9.4	21.0
5 11	15 5.85	+ 9 18.2	1.671	2.611	10.2	21.1
5 21	14 58.00	+10 22.7	1.709	2.614	12.3	21.2
5 31	14 51.33	+10 56.5	1.768	2.618	14.8	21.4
6 10	14 46.50	+11 0.9	1.846	2.621	17.1	21.5

290378 2005 SG_{289} 5 9.7 274°.94 0°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.88	−16 39.8	2.395	3.198	12.3	21.3
4 11	15 27.01	−16 24.1	2.289	3.181	9.7	21.0
4 21	15 21.20	−16 2.2	2.206	3.164	6.6	20.8
5 1	15 13.92	−15 35.7	2.150	3.147	3.1	20.6
5 11	15 5.85	−15 6.9	2.121	3.130	1.0	20.4
5 21	14 57.79	−14 38.8	2.121	3.112	4.5	20.6
5 31	14 50.52	−14 14.6	2.148	3.095	8.1	20.8
6 10	14 44.74	−13 57.5	2.200	3.077	11.3	20.9

181313 2006 QX_{45} 5 9.7 237°.30 0°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.93	−20 25.0	1.991	2.787	14.7	21.4
4 11	15 31.45	−20 11.2	1.887	2.773	11.7	21.2
4 21	15 24.49	−19 47.3	1.804	2.758	8.1	21.0
5 1	15 15.57	−19 13.7	1.747	2.743	4.0	20.7
5 11	15 5.59	−18 33.0	1.717	2.727	0.6	20.4
5 21	14 55.61	−17 48.8	1.715	2.710	5.0	20.7
5 31	14 46.71	−17 6.2	1.741	2.692	9.3	20.9
6 10	14 39.74	−16 30.2	1.790	2.674	13.1	21.1

266260 2006 YM_{36} 5 9.7 125°.10 1°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.92	−21 6.3	1.761	2.566	16.0	21.4
4 11	15 30.80	−21 6.6	1.678	2.569	12.7	21.2
4 21	15 24.05	−20 56.5	1.616	2.572	8.8	21.0
5 1	15 15.32	−20 36.4	1.579	2.574	4.4	20.7
5 11	15 5.64	−20 8.5	1.568	2.577	1.1	20.5
5 21	14 56.15	−19 36.3	1.584	2.580	5.1	20.8
5 31	14 47.97	−19 4.7	1.625	2.582	9.4	21.0
6 10	14 41.93	−18 38.6	1.690	2.584	13.2	21.3

129086 2004 VK_{89} 5 9.7 261°.50 2°.4/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.15	−25 32.3	1.967	2.756	15.1	20.2
4 11	15 29.34	−25 30.7	1.869	2.748	12.2	20.0
4 21	15 23.06	−25 16.1	1.793	2.739	8.8	19.8
5 1	15 14.87	−24 47.9	1.741	2.730	5.0	19.5
5 11	15 5.71	−24 7.5	1.715	2.721	2.4	19.3
5 21	14 56.62	−23 18.5	1.717	2.712	4.9	19.5
5 31	14 48.66	−22 26.2	1.745	2.703	8.8	19.7
6 10	14 42.68	−21 36.6	1.797	2.694	12.4	19.9

272727 2005 YD_{74} 5 9.7 182°.77 1°.5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.44	−24 8.3	2.558	3.330	12.5	22.4
4 11	15 30.36	−23 59.1	2.461	3.331	10.0	22.2
4 21	15 23.33	−23 39.9	2.388	3.331	7.0	22.0
5 1	15 14.87	−23 10.8	2.340	3.331	3.8	21.8
5 11	15 5.72	−22 33.4	2.322	3.330	1.5	21.6
5 21	14 56.71	−21 50.6	2.333	3.328	3.9	21.8
5 31	14 48.63	−21 6.3	2.373	3.325	7.2	22.0
6 10	14 42.12	−20 24.7	2.439	3.321	10.1	22.2

473091 2015 HU_{153} 5 9.7 144°.11 3°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.42	−10 11.3	2.440	3.252	11.9	21.3
4 11	15 26.32	− 9 17.5	2.362	3.258	9.3	21.1
4 21	15 20.51	− 8 20.6	2.307	3.264	6.4	21.0
5 1	15 13.49	− 7 24.2	2.279	3.270	3.8	20.8
5 11	15 5.95	− 6 32.6	2.280	3.276	3.5	20.8
5 21	14 58.59	− 5 49.3	2.309	3.281	5.9	21.0
5 31	14 52.10	− 5 17.5	2.365	3.286	8.7	21.1
6 10	14 47.02	− 4 58.9	2.445	3.291	11.4	21.3

354756 2005 TL_{177} 5 9.7 205°.23 0°.9/10.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.29	−23 12.6	2.648	3.431	11.8	21.1
4 11	15 26.28	−22 47.7	2.551	3.429	9.4	20.9
4 21	15 20.54	−22 12.8	2.477	3.426	6.5	20.7
5 1	15 13.53	−21 29.0	2.429	3.423	3.4	20.5
5 11	15 5.93	−20 38.4	2.410	3.419	0.9	20.3
5 21	14 58.46	−19 44.5	2.421	3.416	3.7	20.5
5 31	14 51.82	−18 51.3	2.459	3.412	6.9	20.7
6 10	14 46.57	−18 2.7	2.523	3.408	9.8	20.9

503339 2016 BW_{36} 5 9.7 16°.54 0°.6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.34	−18 58.5	1.154	1.998	20.3	20.8
4 11	15 29.94	−19 9.4	1.089	2.002	16.1	20.6
4 21	15 24.07	−19 9.4	1.041	2.006	11.0	20.3
5 1	15 15.49	−18 59.3	1.013	2.012	5.4	20.0
5 11	15 5.62	−18 41.7	1.009	2.019	0.9	19.7
5 21	14 56.07	−18 21.2	1.028	2.026	6.6	20.1
5 31	14 48.38	−18 3.7	1.069	2.035	12.0	20.4
6 10	14 43.60	−17 54.6	1.130	2.044	16.7	20.7

281270 2007 RY_{1} 5 9.7 46°.38 3°.6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.98	−28 38.9	1.830	2.615	16.3	20.4
4 11	15 29.31	−28 43.3	1.748	2.620	13.3	20.2
4 21	15 23.04	−28 31.9	1.686	2.625	9.8	20.0
5 1	15 14.84	−28 3.6	1.647	2.630	6.1	19.8
5 11	15 5.73	−27 19.8	1.634	2.636	3.7	19.6
5 21	14 56.86	−26 24.5	1.648	2.641	5.3	19.7
5 31	14 49.33	−25 23.8	1.687	2.647	8.9	20.0
6 10	14 43.93	−24 24.6	1.751	2.653	12.4	20.2

224402 2005 UH_{294} 5 9.7 120°.74 1°.7/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.13	−22 1.2	1.947	2.739	15.2	20.9
4 11	15 32.25	−22 18.3	1.866	2.748	12.1	20.7
4 21	15 24.89	−22 26.3	1.807	2.757	8.4	20.5
5 1	15 15.68	−22 24.5	1.773	2.766	4.5	20.2
5 11	15 5.60	−22 14.1	1.767	2.775	1.7	20.1
5 21	14 55.73	−21 57.4	1.788	2.783	4.8	20.3
5 31	14 47.12	−21 38.3	1.836	2.791	8.6	20.5
6 10	14 40.53	−21 21.2	1.908	2.799	12.1	20.8

196207 2003 BC_{19} 5 9.7 194°.24 1°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.47	−23 20.3	1.690	2.488	16.9	20.6
4 11	15 33.01	−23 5.9	1.601	2.486	13.5	20.4
4 21	15 25.68	−22 37.4	1.532	2.484	9.5	20.1
5 1	15 16.15	−21 54.9	1.488	2.482	4.9	19.9
5 11	15 5.53	−21 1.1	1.469	2.478	1.4	19.6
5 21	14 55.10	−20 1.1	1.478	2.474	5.4	19.9
5 31	14 46.08	−19 1.6	1.513	2.470	10.0	20.1
6 10	14 39.40	−18 9.3	1.572	2.465	14.1	20.3

434764 2006 JF_{6} 5 9.7 309°.38 1°.8/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.91	−16 30.8	1.749	2.575	15.2	21.1
4 11	15 26.23	−15 45.1	1.649	2.554	12.0	20.8
4 21	15 21.08	−14 48.5	1.569	2.533	8.2	20.6
5 1	15 13.99	−13 44.0	1.514	2.513	3.9	20.3
5 11	15 5.86	−12 36.7	1.485	2.492	2.2	20.1
5 21	14 57.73	−11 32.7	1.482	2.472	6.3	20.3
5 31	14 50.67	−10 38.4	1.505	2.453	10.7	20.5
6 10	14 45.55	− 9 58.6	1.549	2.433	14.8	20.7

131815 2002 AT_{88} 5 9.7 2°.81 6°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.69	− 7 48.7	1.274	2.123	18.5	19.1
4 11	15 28.91	− 6 46.6	1.206	2.122	14.6	18.9
4 21	15 23.09	− 5 41.7	1.158	2.122	10.4	18.6
5 1	15 14.95	− 4 41.1	1.132	2.122	6.8	18.4
5 11	15 5.73	− 3 53.1	1.129	2.123	6.6	18.4
5 21	14 56.79	− 3 23.9	1.149	2.124	10.0	18.6
5 31	14 49.44	− 3 17.6	1.192	2.126	14.3	18.8
6 10	14 44.59	− 3 34.6	1.254	2.128	18.2	19.1

467307 2016 FX_1 5 9.7 117°.98 1°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 40.68	−22 43.2	1.770	2.560	16.5	21.7
4 11	15 35.19	−22 59.4	1.698	2.578	13.2	21.5
4 21	15 26.94	−23 4.8	1.646	2.594	9.2	21.3
5 1	15 16.67	−22 58.7	1.619	2.611	4.9	21.0
5 11	15 5.51	−22 42.2	1.619	2.626	2.0	20.9
5 21	14 54.69	−22 18.4	1.646	2.641	5.1	21.1
5 31	14 45.37	−21 51.9	1.701	2.655	9.2	21.4
6 10	14 38.38	−21 28.0	1.779	2.669	12.9	21.6

160943 2002 AR_{34} 5 9.7 216°.02 2°.4/11.1 16

4 1	15 37.83	−25 7.7	1.851	2.637	16.1	20.2
4 11	15 33.21	−25 8.3	1.754	2.630	13.0	20.0
4 21	15 25.81	−24 55.6	1.676	2.622	9.3	19.7
5 1	15 16.25	−24 28.5	1.623	2.613	5.3	19.5
5 11	15 5.55	−23 48.3	1.597	2.604	2.4	19.3
5 21	14 54.91	−22 58.7	1.599	2.593	5.2	19.4
5 31	14 45.55	−22 5.4	1.627	2.583	9.4	19.6
6 10	14 38.40	−21 15.0	1.678	2.571	13.4	19.9

300869 2008 AA_{13} 5 9.7 178°.56 4°.6/13.7 18

4 1	15 33.32	−34 13.3	2.525	3.263	13.5	21.4
4 11	15 28.98	−34 20.0	2.429	3.264	11.3	21.2
4 21	15 22.53	−34 11.7	2.354	3.264	8.8	21.0
5 1	15 14.54	−33 46.8	2.303	3.265	6.3	20.9
5 11	15 5.83	−33 5.7	2.280	3.265	4.7	20.8
5 21	14 57.27	−32 10.8	2.284	3.265	5.2	20.8
5 31	14 49.75	−31 6.8	2.315	3.264	7.4	20.9
6 10	14 43.92	−29 59.5	2.372	3.264	10.0	21.1

23818 Matthewlepow 5 9.7 237°.31 2°.8/ 7.6 18

4 1	15 32.05	−11 23.2	2.307	3.117	12.5	19.4
4 11	15 27.89	−10 45.4	2.210	3.106	9.8	19.2
4 21	15 21.77	−10 3.5	2.136	3.094	6.7	19.0
5 1	15 14.20	− 9 20.7	2.088	3.082	3.7	18.8
5 11	15 5.88	− 8 40.6	2.068	3.069	3.1	18.7
5 21	14 57.62	− 8 6.9	2.077	3.056	5.8	18.9
5 31	14 50.22	− 7 43.1	2.113	3.043	9.1	19.1
6 10	14 44.34	− 7 31.2	2.172	3.029	12.2	19.2

314146 2005 EO_{213} 5 9.7 5°.26 17°.1/ 9.7 17

4 1	15 48.12	−33 58.4	1.004	1.799	26.0	19.2
4 11	15 45.46	−38 22.2	0.941	1.798	23.1	18.9
4 21	15 37.10	−42 41.2	0.896	1.799	20.1	18.7
5 1	15 22.93	−46 33.2	0.872	1.802	17.8	18.6
5 11	15 4.37	−49 35.5	0.869	1.808	17.1	18.6
5 21	14 44.45	−51 34.3	0.886	1.816	18.2	18.7
5 31	14 27.11	−52 31.6	0.922	1.826	20.4	18.8
6 10	14 15.39	−52 43.7	0.973	1.838	22.9	19.1

3608 Kataev 5 9.7 287°.41 2°.5/ 7.8 18

4 1	15 30.63	− 9 51.2	2.535	3.344	11.6	16.7
4 11	15 26.62	− 9 36.8	2.435	3.330	9.1	16.6
4 21	15 20.85	− 9 21.2	2.359	3.317	6.2	16.4
5 1	15 13.74	− 9 6.6	2.310	3.303	3.5	16.1
5 11	15 5.96	− 8 55.5	2.288	3.289	2.8	16.1
5 21	14 58.19	− 8 50.2	2.295	3.276	5.2	16.2
5 31	14 51.17	− 8 52.7	2.329	3.262	8.3	16.4
6 10	14 45.50	− 9 4.4	2.388	3.249	11.1	16.5

314126 2005 EN_{155} 5 9.7 52°.33 1°.2/10.3 16

4 1	15 35.55	−20 58.3	1.371	2.193	18.8	21.5
4 11	15 31.87	−21 5.1	1.306	2.206	14.9	21.2
4 21	15 25.04	−21 0.2	1.259	2.218	10.3	21.0
5 1	15 15.86	−20 43.5	1.235	2.231	5.2	20.7
5 11	15 5.64	−20 17.8	1.235	2.244	1.3	20.5
5 21	14 55.82	−19 47.4	1.260	2.258	5.9	20.8
5 31	14 47.72	−19 18.1	1.310	2.272	10.7	21.1
6 10	14 42.25	−18 55.7	1.381	2.285	14.9	21.4

417459 2006 QT_{50} 5 9.7 200°.50 1°.9/10.8 17

4 1	15 37.97	−23 25.1	2.083	2.865	14.6	21.5
4 11	15 32.94	−23 35.6	1.986	2.861	11.8	21.3
4 21	15 25.43	−23 36.1	1.911	2.857	8.3	21.1
5 1	15 16.01	−23 25.8	1.861	2.852	4.6	20.8
5 11	15 5.61	−23 5.5	1.839	2.846	1.9	20.6
5 21	14 55.27	−22 37.9	1.846	2.840	4.7	20.8
5 31	14 46.06	−22 6.9	1.880	2.833	8.6	21.0
6 10	14 38.81	−21 37.6	1.938	2.825	12.1	21.2

263516 Alexescu 5 9.7 276°.21 1°.9/ 8.7 18

4 1	15 35.19	−13 33.8	1.703	2.523	15.9	20.8
4 11	15 31.25	−13 26.7	1.606	2.507	12.5	20.6
4 21	15 24.57	−13 15.1	1.530	2.492	8.6	20.3
5 1	15 15.72	−13 1.0	1.479	2.476	4.2	20.0
5 11	15 5.65	−12 47.5	1.453	2.461	2.2	19.8
5 21	14 55.53	−12 37.9	1.455	2.445	6.3	20.0
5 31	14 46.58	−12 35.7	1.481	2.429	10.9	20.3
6 10	14 39.77	−12 43.8	1.530	2.413	15.0	20.5

222729 2002 AX_{170} 5 9.7 189°.25 0°.8/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.21	−21 44.4	2.471	3.252	12.6	21.7
4 11	15 30.26	−21 32.3	2.374	3.251	10.0	21.5
4 21	15 23.32	−21 11.2	2.300	3.250	6.9	21.3
5 1	15 14.91	−20 41.7	2.253	3.247	3.5	21.1
5 11	15 5.80	−20 5.6	2.235	3.244	0.8	20.8
5 21	14 56.81	−19 26.0	2.246	3.240	4.0	21.1
5 31	14 48.74	−18 46.7	2.285	3.235	7.5	21.3
6 10	14 42.25	−18 11.6	2.350	3.230	10.5	21.5

386462 2008 XZ_{43} 5 9.7 42°.35 1°.4/ 8.7 18

4 1	15 31.32	−15 4.9	2.047	2.861	13.8	20.7
4 11	15 27.50	−14 45.3	1.966	2.865	10.7	20.5
4 21	15 21.57	−14 20.2	1.908	2.869	7.2	20.3
5 1	15 14.10	−13 51.7	1.875	2.872	3.5	20.1
5 11	15 5.93	−13 23.0	1.869	2.876	1.7	20.0
5 21	14 57.93	−12 57.4	1.890	2.880	5.1	20.2
5 31	14 50.98	−12 38.4	1.938	2.885	8.8	20.4
6 10	14 45.73	−12 28.6	2.010	2.889	12.1	20.6

317789 2003 SM_{165} 5 9.7 200°.78 2°.5/ 7.8 16

4 1	15 35.49	−13 16.3	2.169	2.973	13.4	21.8
4 11	15 30.65	−12 29.1	2.076	2.969	10.5	21.6
4 21	15 23.68	−11 35.6	2.006	2.964	7.1	21.4
5 1	15 15.11	−10 39.0	1.962	2.957	3.7	21.2
5 11	15 5.78	− 9 43.8	1.947	2.950	2.8	21.1
5 21	14 56.56	− 8 54.5	1.961	2.942	5.9	21.3
5 31	14 48.35	− 8 15.2	2.002	2.933	9.5	21.5
6 10	14 41.85	− 7 49.0	2.067	2.924	12.7	21.7

153315 2001 NH_6 5 9.7 161°.31 31°.0/30.7 12 C

4 1	16 24.93	+43 20.8	1.100	1.728	32.7	22.0
4 11	16 11.99	+46 19.7	1.094	1.750	31.8	22.0
4 21	15 52.64	+48 24.3	1.096	1.767	31.2	22.0
5 1	15 28.77	+49 14.6	1.107	1.780	31.0	22.0
5 11	15 3.79	+48 40.2	1.128	1.788	31.2	22.1
5 21	14 41.27	+46 45.0	1.158	1.793	31.8	22.1
5 31	14 23.70	+43 43.2	1.198	1.793	32.5	22.2
6 10	14 11.91	+39 54.7	1.246	1.790	33.4	22.3

175689 1995 SX_{17} 5 9.7 101°.12 3°.8/12.4 17

4 1	15 37.35	−29 26.0	2.548	3.298	13.1	21.3
4 11	15 31.94	−30 3.4	2.469	3.317	10.7	21.1
4 21	15 24.45	−30 30.0	2.412	3.334	8.1	21.0
5 1	15 15.45	−30 43.9	2.381	3.352	5.4	20.9
5 11	15 5.74	−30 44.8	2.377	3.369	3.9	20.8
5 21	14 56.22	−30 34.0	2.403	3.386	4.8	20.9
5 31	14 47.73	−30 14.8	2.456	3.403	7.2	21.0
6 10	14 40.94	−29 51.3	2.535	3.419	9.7	21.2

181573 2006 VN_{45} 5 9.7 238°.73 2°.1/ 8.1 16

4 1	15 32.31	−11 25.0	2.506	3.311	11.8	21.3
4 11	15 27.94	−11 9.5	2.408	3.301	9.2	21.1
4 21	15 21.74	−10 51.6	2.334	3.292	6.3	20.9
5 1	15 14.18	−10 33.4	2.287	3.282	3.3	20.7
5 11	15 5.93	−10 17.5	2.268	3.271	2.4	20.6
5 21	14 57.73	−10 6.3	2.277	3.261	5.0	20.8
5 31	14 50.31	−10 2.1	2.315	3.250	8.2	21.0
6 10	14 44.31	−10 6.5	2.377	3.239	11.1	21.1

292243 2006 SE_{74} 5 9.7 296°.08 3°.9/ 7.3 17

4 1	15 31.33	−12 1.1	1.508	2.344	16.7	21.1
4 11	15 28.44	−11 8.6	1.419	2.330	13.2	20.9
4 21	15 22.75	−10 8.3	1.350	2.315	9.1	20.6
5 1	15 14.87	− 9 5.1	1.305	2.301	5.1	20.3
5 11	15 5.81	− 8 5.7	1.285	2.287	4.4	20.2
5 21	14 56.81	− 7 16.7	1.290	2.273	8.1	20.4
5 31	14 49.09	− 6 43.9	1.319	2.259	12.6	20.6
6 10	14 43.61	− 6 30.6	1.368	2.246	16.8	20.8

108097 2001 FO_{184} 5 9.7 289°.80 3°.1/ 7.6 17

4 1	15 30.77	−11 50.6	1.913	2.736	14.2	20.2
4 11	15 27.38	−11 9.3	1.816	2.719	11.2	20.0
4 21	15 21.71	−10 22.5	1.741	2.703	7.7	19.7
5 1	15 14.28	− 9 33.8	1.691	2.687	4.2	19.5
5 11	15 5.91	− 8 48.0	1.668	2.670	3.5	19.4
5 21	14 57.57	− 8 9.8	1.672	2.654	6.7	19.5
5 31	14 50.22	− 7 43.4	1.701	2.638	10.5	19.7
6 10	14 44.67	− 7 31.5	1.753	2.621	14.1	19.9

111994 2002 GW_{111} 5 9.7 245°.30 5°.0/ 6.5 17

4 1	15 34.17	− 8 1.5	1.707	2.532	15.6	20.1
4 11	15 30.25	− 7 6.1	1.619	2.521	12.4	19.9
4 21	15 23.75	− 6 7.3	1.552	2.510	8.8	19.6
5 1	15 15.27	− 5 10.5	1.509	2.498	5.7	19.4
5 11	15 5.76	− 4 21.9	1.493	2.486	5.5	19.4
5 21	14 56.33	− 3 47.0	1.503	2.474	8.5	19.5
5 31	14 48.08	− 3 29.9	1.537	2.461	12.4	19.7
6 10	14 41.88	− 3 32.1	1.593	2.448	15.9	19.9

83256 2001 RX_{68} 5 9.7 292°.04 4°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.71	−30 50.4	2.170	2.933	14.7	19.2
4 11	15 29.71	−31 18.8	2.073	2.927	12.2	19.0
4 21	15 23.31	−31 33.7	1.997	2.922	9.4	18.9
5 1	15 15.04	−31 33.0	1.945	2.916	6.5	18.7
5 11	15 5.80	−31 16.3	1.919	2.911	4.6	18.5
5 21	14 56.61	−30 45.4	1.920	2.906	5.6	18.6
5 31	14 48.50	−30 4.5	1.948	2.901	8.4	18.7
6 10	14 42.31	−29 19.4	2.000	2.896	11.4	18.9

410313 2007 TL_{410} 5 9.7 223°.99 2°.1/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.36	−13 18.1	1.788	2.601	15.5	21.4
4 11	15 32.72	−13 3.5	1.696	2.593	12.2	21.1
4 21	15 25.43	−12 44.2	1.624	2.584	8.3	20.9
5 1	15 16.09	−12 22.5	1.578	2.575	4.2	20.6
5 11	15 5.65	−12 1.5	1.559	2.565	2.4	20.5
5 21	14 55.27	−11 45.0	1.567	2.555	6.3	20.7
5 31	14 46.07	−11 36.5	1.601	2.544	10.6	20.9
6 10	14 38.98	−11 38.8	1.658	2.533	14.4	21.1

290324 2005 SM_{213} 5 9.7 319°.39 1°.1/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.98	−17 8.3	2.255	3.065	12.8	20.6
4 11	15 25.54	−16 28.4	2.165	3.061	10.0	20.4
4 21	15 20.20	−15 40.4	2.097	3.058	6.7	20.1
5 1	15 13.46	−14 47.0	2.056	3.054	3.2	19.9
5 11	15 6.07	−13 51.7	2.043	3.051	1.4	19.8
5 21	14 58.82	−12 58.9	2.058	3.048	4.8	20.0
5 31	14 52.47	−12 12.8	2.099	3.045	8.3	20.2
6 10	14 47.65	−11 36.9	2.165	3.042	11.5	20.4

508172 2015 FW_{222} 5 9.7 75°.60 3°.5/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.77	−10 10.4	1.863	2.685	14.6	20.9
4 11	15 28.69	− 9 34.1	1.794	2.696	11.4	20.7
4 21	15 22.39	− 8 55.2	1.747	2.707	7.8	20.5
5 1	15 14.50	− 8 17.6	1.724	2.718	4.5	20.3
5 11	15 5.93	− 7 45.6	1.729	2.729	3.8	20.3
5 21	14 57.64	− 7 23.0	1.761	2.740	6.7	20.5
5 31	14 50.52	− 7 12.7	1.818	2.751	10.2	20.7
6 10	14 45.26	− 7 15.9	1.897	2.762	13.3	21.0

209559 2004 XC_{3} 5 9.7 215°.61 5°.0/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.86	− 7 34.1	1.838	2.655	15.0	21.5
4 11	15 31.34	− 6 37.9	1.750	2.648	11.9	21.2
4 21	15 24.37	− 5 39.0	1.684	2.640	8.5	21.0
5 1	15 15.53	− 4 42.4	1.644	2.631	5.5	20.8
5 11	15 5.76	− 3 54.0	1.630	2.622	5.4	20.8
5 21	14 56.09	− 3 19.0	1.644	2.611	8.2	20.9
5 31	14 47.57	− 3 0.9	1.682	2.600	11.8	21.1
6 10	14 41.00	− 3 1.1	1.743	2.589	15.2	21.3

247878 2003 UX_{153} 5 9.7 286°.24 0°.6/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.27	−19 49.2	1.940	2.745	14.7	20.8
4 11	15 29.40	−19 52.6	1.846	2.737	11.7	20.5
4 21	15 23.12	−19 47.7	1.773	2.729	8.1	20.3
5 1	15 14.97	−19 34.9	1.725	2.721	4.0	20.0
5 11	15 5.84	−19 16.0	1.703	2.713	0.8	19.8
5 21	14 56.76	−18 53.8	1.709	2.705	4.8	20.0
5 31	14 48.76	−18 32.4	1.741	2.697	9.0	20.3
6 10	14 42.67	−18 15.6	1.797	2.689	12.7	20.5

382265 2012 TF_{133} 5 9.7 226°.81 3°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.24	− 1 11.0	4.818	5.619	6.6	21.3
4 11	15 19.24	− 0 27.0	4.732	5.615	5.3	21.2
4 21	15 15.43	+ 0 15.4	4.673	5.610	4.0	21.1
5 1	15 11.07	+ 0 54.1	4.641	5.606	3.3	21.0
5 11	15 6.45	+ 1 27.2	4.638	5.601	3.4	21.0
5 21	15 1.89	+ 1 53.1	4.664	5.597	4.4	21.1
5 31	14 57.68	+ 2 10.7	4.717	5.592	5.7	21.2
6 10	14 54.10	+ 2 19.4	4.795	5.587	7.0	21.3

233074 2005 LQ_{10} 5 9.7 153°.15 2°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.05	−13 4.7	2.233	3.048	12.7	20.2
4 11	15 26.29	−12 6.8	2.151	3.050	9.9	20.0
4 21	15 20.64	−11 3.0	2.091	3.052	6.7	19.8
5 1	15 13.65	− 9 57.1	2.058	3.053	3.6	19.6
5 11	15 6.06	− 8 53.7	2.053	3.055	3.0	19.6
5 21	14 58.64	− 7 57.5	2.077	3.056	5.8	19.8
5 31	14 52.17	− 7 12.4	2.127	3.058	9.0	20.0
6 10	14 47.22	− 6 41.1	2.201	3.059	12.0	20.2

232635 2003 UO_{229} 5 9.7 166°.30 1°.4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.40	−23 20.7	2.277	3.063	13.4	21.1
4 11	15 29.04	−23 13.3	2.187	3.066	10.7	20.9
4 21	15 22.59	−22 55.6	2.120	3.068	7.5	20.7
5 1	15 14.61	−22 27.9	2.078	3.070	4.0	20.5
5 11	15 5.91	−21 52.2	2.064	3.072	1.4	20.3
5 21	14 57.37	−21 11.6	2.078	3.073	4.2	20.5
5 31	14 49.83	−20 30.2	2.120	3.074	7.7	20.7
6 10	14 43.98	−19 52.5	2.187	3.075	10.9	20.9

325027 2008 CX_{39} 5 9.7 351°.89 0°.0/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.84	−19 7.2	1.283	2.123	18.9	20.6
4 11	15 27.77	−18 54.9	1.206	2.118	14.9	20.4
4 21	15 22.53	−18 30.2	1.148	2.114	10.2	20.1
5 1	15 14.82	−17 54.8	1.111	2.110	4.9	19.8
5 11	15 5.86	−17 13.0	1.098	2.108	0.8	19.5
5 21	14 57.08	−16 30.4	1.109	2.107	6.4	19.8
5 31	14 49.89	−15 53.9	1.143	2.106	11.7	20.1
6 10	14 45.30	−15 29.0	1.197	2.106	16.3	20.4

34682 2001 BM_{42} 5 9.7 279°.95 6°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.43	− 1 48.1	1.825	2.646	14.9	18.2
4 11	15 29.48	− 1 2.6	1.738	2.633	12.1	18.0
4 21	15 23.14	− 0 20.2	1.673	2.620	9.2	17.8
5 1	15 14.97	+ 0 13.3	1.632	2.607	7.0	17.7
5 11	15 5.85	+ 0 32.6	1.617	2.594	7.1	17.6
5 21	14 56.80	+ 0 33.8	1.627	2.581	9.4	17.7
5 31	14 48.82	+ 0 15.1	1.661	2.568	12.6	17.9
6 10	14 42.73	− 0 23.0	1.717	2.555	15.7	18.1

479809 2014 FG_{34} 5 9.7 324°.84 3°.8/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.91	−27 15.5	2.091	2.870	14.7	21.4
4 11	15 29.94	−27 54.0	1.995	2.863	12.1	21.2
4 21	15 23.53	−28 22.0	1.920	2.856	9.0	21.0
5 1	15 15.19	−28 37.4	1.869	2.850	5.8	20.8
5 11	15 5.82	−28 39.5	1.845	2.843	3.8	20.7
5 21	14 56.44	−28 29.6	1.848	2.837	5.3	20.7
5 31	14 48.12	−28 11.0	1.877	2.832	8.5	20.9
6 10	14 41.72	−27 48.7	1.930	2.826	11.7	21.1

290331 2005 SU_{226} 5 9.7 84°.70 0°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.90	−17 52.5	2.397	3.198	12.4	21.1
4 11	15 26.83	−17 34.7	2.318	3.209	9.7	20.9
4 21	15 20.95	−17 10.4	2.262	3.219	6.5	20.7
5 1	15 13.78	−16 41.2	2.232	3.230	3.0	20.5
5 11	15 6.06	−16 9.5	2.231	3.240	0.7	20.3
5 21	14 58.52	−15 38.4	2.258	3.251	4.2	20.6
5 31	14 51.91	−15 11.2	2.313	3.261	7.5	20.8
6 10	14 46.79	−14 50.5	2.392	3.272	10.4	21.0

264531 2001 RH_{117} 5 9.7 195°.51 0°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.44	−19 47.6	2.289	3.080	13.2	22.4
4 11	15 30.61	−19 32.9	2.194	3.077	10.5	22.2
4 21	15 23.67	−19 9.8	2.120	3.074	7.2	22.0
5 1	15 15.14	−18 39.2	2.074	3.070	3.5	21.8
5 11	15 5.84	−18 3.3	2.055	3.065	0.5	21.5
5 21	14 56.65	−17 25.5	2.066	3.060	4.4	21.8
5 31	14 48.44	−16 49.7	2.105	3.054	8.1	22.0
6 10	14 41.91	−16 19.7	2.168	3.047	11.3	22.2

497410 2005 WE_{49} 5 9.7 192°.91 1°.7/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.61	−24 58.9	2.226	3.006	13.9	23.0
4 11	15 30.08	−24 41.2	2.131	3.005	11.1	22.8
4 21	15 23.35	−24 10.9	2.057	3.003	7.9	22.6
5 1	15 15.00	−23 28.4	2.009	3.000	4.3	22.4
5 11	15 5.87	−22 36.0	1.989	2.997	1.7	22.2
5 21	14 56.89	−21 37.3	1.998	2.993	4.3	22.4
5 31	14 48.97	−20 37.6	2.034	2.989	8.0	22.6
6 10	14 42.83	−19 42.2	2.096	2.984	11.3	22.8

289342 2005 BQ_{4} 5 9.7 186°.17 4°.8/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.89	−30 7.2	1.704	2.480	17.6	21.0
4 11	15 33.60	−30 29.6	1.616	2.480	14.6	20.7
4 21	15 26.26	−30 35.5	1.548	2.480	11.0	20.5
5 1	15 16.55	−30 21.9	1.502	2.479	7.3	20.3
5 11	15 5.63	−29 48.5	1.481	2.478	4.9	20.1
5 21	14 54.86	−28 58.6	1.487	2.477	6.3	20.2
5 31	14 45.60	−27 58.6	1.519	2.475	9.9	20.4
6 10	14 38.85	−26 56.9	1.573	2.473	13.7	20.6

102228 1999 TG_{15} 5 9.7 147°.23 1°.5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.81	−15 42.3	2.381	3.182	12.5	20.7
4 11	15 28.28	−15 0.8	2.300	3.192	9.7	20.6
4 21	15 21.90	−14 12.9	2.242	3.200	6.5	20.4
5 1	15 14.23	−13 21.2	2.211	3.208	3.1	20.2
5 11	15 6.00	−12 29.2	2.209	3.216	1.8	20.1
5 21	14 57.98	−11 41.0	2.236	3.223	4.8	20.3
5 31	14 50.91	−11 0.1	2.291	3.229	8.1	20.5
6 10	14 45.36	−10 29.4	2.370	3.236	11.0	20.7

141213 2001 XY_{218} 5 9.7 122°.49 0°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.30	−19 38.8	2.366	3.162	12.7	20.4
4 11	15 28.04	−19 33.6	2.281	3.167	10.0	20.2
4 21	15 21.84	−19 21.2	2.218	3.172	6.8	20.0
5 1	15 14.25	−19 2.3	2.181	3.177	3.3	19.8
5 11	15 6.00	−18 39.0	2.173	3.182	0.5	19.6
5 21	14 57.91	−18 13.8	2.193	3.187	4.1	19.9
5 31	14 50.75	−17 50.0	2.240	3.192	7.5	20.1
6 10	14 45.15	−17 30.9	2.312	3.197	10.5	20.3

161894 2007 DZ_{29} 5 9.7 323°.67 0°.6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.78	−19 24.9	1.524	2.349	17.2	20.3
4 11	15 28.96	−19 29.6	1.433	2.336	13.7	20.0
4 21	15 23.23	−19 24.8	1.362	2.324	9.5	19.7
5 1	15 15.17	−19 10.9	1.314	2.312	4.7	19.4
5 11	15 5.84	−18 49.9	1.291	2.300	0.8	19.1
5 21	14 56.51	−18 25.6	1.293	2.290	5.8	19.4
5 31	14 48.49	−18 3.0	1.319	2.280	10.7	19.7
6 10	14 42.83	−17 47.2	1.366	2.270	15.1	19.9

318786 2005 SU_{116} 5 9.7 286°.40 20°.0/20.5 18

4 1	15 29.87	+12 39.1	1.028	1.873	22.2	20.4
4 11	15 28.34	+16 40.4	0.980	1.859	20.6	20.2
4 21	15 23.23	+20 27.4	0.951	1.845	20.0	20.1
5 1	15 15.26	+23 37.2	0.941	1.831	20.7	20.1
5 11	15 5.83	+25 51.2	0.948	1.817	22.6	20.2
5 21	14 56.56	+27 0.6	0.970	1.803	25.1	20.3
5 31	14 49.08	+27 5.4	1.003	1.789	27.7	20.4
6 10	14 44.53	+26 14.0	1.046	1.776	30.0	20.5

289839 2005 LY_{29} 5 9.7 15°.96 2°.6/ 7.7 17

4 1	15 29.45	−14 9.3	1.969	2.790	14.0	21.0
4 11	15 26.11	−13 12.6	1.888	2.791	10.9	20.8
4 21	15 20.68	−12 8.4	1.830	2.792	7.3	20.6
5 1	15 13.73	−11 1.0	1.797	2.794	3.8	20.4
5 11	15 6.08	− 9 55.4	1.792	2.795	2.9	20.3
5 21	14 58.64	− 8 57.0	1.814	2.797	6.1	20.5
5 31	14 52.25	− 8 10.4	1.862	2.799	9.7	20.7
6 10	14 47.56	− 7 38.5	1.933	2.802	13.0	20.9

68141 2001 AX_{29} 5 9.7 220°.92 1°.1/ 9.1 18

4 1	15 37.81	−15 17.8	1.858	2.665	15.2	19.9
4 11	15 33.02	−15 11.4	1.763	2.657	12.0	19.7
4 21	15 25.63	−14 59.4	1.690	2.648	8.2	19.4
5 1	15 16.20	−14 43.1	1.642	2.639	3.9	19.1
5 11	15 5.69	−14 25.2	1.621	2.629	1.5	18.9
5 21	14 55.22	−14 8.8	1.628	2.619	5.7	19.2
5 31	14 45.91	−13 57.6	1.661	2.608	10.0	19.4
6 10	14 38.64	−13 54.7	1.718	2.597	13.8	19.6

319568 2006 SO_{74} 5 9.7 354°.98 0°.1/ 9.7 17

4 1	15 35.48	−17 29.0	1.475	2.299	17.7	20.6
4 11	15 31.81	−17 43.4	1.395	2.297	14.0	20.3
4 21	15 25.11	−17 50.9	1.335	2.296	9.6	20.1
5 1	15 16.03	−17 51.8	1.297	2.295	4.6	19.8
5 11	15 5.73	−17 47.8	1.285	2.295	0.7	19.5
5 21	14 55.56	−17 41.9	1.298	2.295	5.9	19.8
5 31	14 46.88	−17 38.1	1.336	2.295	10.8	20.1
6 10	14 40.68	−17 40.3	1.396	2.295	15.1	20.4

176058 2000 UW_{14} 5 9.7 220°.37 1°.8/11.1 18

4 1	15 32.86	−24 22.0	2.777	3.549	11.6	21.0
4 11	15 28.35	−24 30.0	2.674	3.542	9.3	20.8
4 21	15 22.03	−24 29.6	2.593	3.535	6.6	20.6
5 1	15 14.36	−24 20.6	2.539	3.527	3.8	20.4
5 11	15 5.99	−24 3.6	2.513	3.518	1.8	20.3
5 21	14 57.66	−23 40.6	2.516	3.510	3.7	20.4
5 31	14 50.09	−23 14.5	2.548	3.501	6.7	20.6
6 10	14 43.92	−22 48.7	2.606	3.491	9.4	20.7

465875 2010 TG_{22} 5 9.7 19°.39 2°.8/ 7.9 17

4 1	15 30.96	−15 5.5	1.357	2.198	18.0	21.1
4 11	15 28.24	−14 11.6	1.287	2.200	14.1	20.9
4 21	15 22.59	−13 7.4	1.236	2.203	9.5	20.6
5 1	15 14.76	−11 57.7	1.208	2.207	4.8	20.3
5 11	15 5.94	−10 49.7	1.205	2.211	3.3	20.3
5 21	14 57.42	− 9 50.8	1.226	2.215	7.5	20.5
5 31	14 50.43	− 9 7.2	1.271	2.220	12.2	20.8
6 10	14 45.85	− 8 42.6	1.336	2.225	16.4	21.0

393897 2005 TU_{141} 5 9.7 205°.01 2°.9/ 7.0 16

4 1	15 29.15	−10 37.6	2.629	3.439	11.2	22.1
4 11	15 25.33	− 9 47.5	2.541	3.437	8.7	21.9
4 21	15 19.89	− 8 54.0	2.476	3.434	6.0	21.7
5 1	15 13.29	− 8 0.3	2.439	3.431	3.5	21.6
5 11	15 6.16	− 7 10.2	2.430	3.428	3.2	21.5
5 21	14 59.15	− 6 27.3	2.450	3.424	5.5	21.7
5 31	14 52.89	− 5 54.5	2.498	3.421	8.2	21.8
6 10	14 47.92	− 5 33.7	2.569	3.417	10.8	22.0

328892 2010 RE_{87} 5 9.7 100°.28 4°.1/11.9 17

4 1	15 37.32	−27 53.9	1.636	2.423	17.8	21.1
4 11	15 33.09	−28 16.9	1.558	2.431	14.5	20.9
4 21	15 25.85	−28 24.5	1.499	2.439	10.7	20.7
5 1	15 16.32	−28 14.6	1.464	2.447	6.7	20.5
5 11	15 5.70	−27 47.6	1.453	2.454	4.1	20.3
5 21	14 55.34	−27 6.9	1.469	2.461	6.0	20.5
5 31	14 46.54	−26 18.6	1.510	2.469	9.8	20.7
6 10	14 40.24	−25 30.2	1.574	2.476	13.6	20.9

34552 2000 SV_{242} 5 9.7 101°.28 0°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.04	−21 35.8	2.361	3.152	12.8	19.7
4 11	15 27.83	−21 27.8	2.278	3.161	10.1	19.5
4 21	15 21.69	−21 11.2	2.219	3.170	7.0	19.4
5 1	15 14.17	−20 46.5	2.185	3.179	3.5	19.1
5 11	15 6.04	−20 16.0	2.179	3.188	0.9	19.0
5 21	14 58.09	−19 42.4	2.201	3.197	4.0	19.2
5 31	14 51.11	−19 9.5	2.251	3.205	7.3	19.4
6 10	14 45.70	−18 40.8	2.327	3.214	10.4	19.6

447811 2007 TV_{156} 5 9.7 217°.81 1°.0/10.9 17

4 1	15 27.60	−23 41.4	4.329	5.093	7.9	23.3
4 11	15 23.57	−23 36.3	4.218	5.084	6.3	23.1
4 21	15 18.46	−23 25.5	4.132	5.074	4.4	23.0
5 1	15 12.56	−23 9.2	4.074	5.063	2.4	22.8
5 11	15 6.28	−22 48.4	4.046	5.052	1.0	22.7
5 21	15 0.04	−22 24.5	4.048	5.041	2.4	22.8
5 31	14 54.24	−21 59.2	4.079	5.030	4.5	23.0
6 10	14 49.27	−21 34.5	4.138	5.018	6.4	23.1

370130 2001 VN_{118} 5 9.7 194°.34 1°.0/10.4 18

4 1	15 35.15	−22 21.9	2.283	3.068	13.4	21.1
4 11	15 30.44	−22 10.2	2.187	3.065	10.7	20.9
4 21	15 23.58	−21 48.6	2.113	3.063	7.4	20.7
5 1	15 15.13	−21 17.3	2.066	3.059	3.8	20.5
5 11	15 5.89	−20 38.5	2.046	3.055	1.0	20.2
5 21	14 56.78	−19 55.4	2.056	3.051	4.3	20.5
5 31	14 48.67	−19 12.3	2.093	3.046	7.9	20.7
6 10	14 42.26	−18 33.7	2.156	3.040	11.2	20.9

140537 2001 TQ_{182} 5 9.7 272°.10 3°.8/12.2 18

4 1	15 33.98	−28 44.9	2.246	3.014	14.1	19.8
4 11	15 29.77	−29 11.3	2.151	3.011	11.6	19.6
4 21	15 23.28	−29 26.0	2.078	3.009	8.7	19.4
5 1	15 15.04	−29 27.1	2.030	3.007	5.7	19.2
5 11	15 5.90	−29 14.6	2.008	3.005	3.8	19.1
5 21	14 56.83	−28 50.4	2.014	3.003	5.1	19.1
5 31	14 48.80	−28 18.1	2.047	3.000	8.0	19.3
6 10	14 42.58	−27 42.9	2.104	2.998	11.0	19.5

31576 Nandigala 5 9.7 35°.65 2°.0/10.8 18

4 1	15 32.28	−23 52.9	1.340	2.163	19.2	18.3
4 11	15 29.37	−23 48.1	1.279	2.178	15.3	18.1
4 21	15 23.37	−23 27.4	1.237	2.194	10.7	17.8
5 1	15 15.11	−22 51.3	1.217	2.211	5.7	17.6
5 11	15 5.91	−22 3.5	1.220	2.229	2.0	17.4
5 21	14 57.18	−21 9.7	1.249	2.247	5.7	17.7
5 31	14 50.18	−20 17.4	1.301	2.266	10.4	18.0
6 10	14 45.75	−19 33.2	1.375	2.285	14.6	18.3

204916 2008 SU_{54} 5 9.7 108°.96 1°.5/10.7 17

4 1	15 35.38	−22 37.9	2.100	2.889	14.3	20.9
4 11	15 30.69	−22 44.0	2.021	2.901	11.4	20.7
4 21	15 23.76	−22 40.6	1.964	2.912	7.9	20.5
5 1	15 15.20	−22 27.4	1.932	2.924	4.2	20.3
5 11	15 5.90	−22 6.2	1.927	2.935	1.5	20.2
5 21	14 56.82	−21 39.5	1.951	2.947	4.4	20.4
5 31	14 48.90	−21 11.5	2.002	2.957	8.0	20.6
6 10	14 42.83	−20 46.4	2.078	2.968	11.3	20.8

98556 2000 WQ_{7} 5 9.7 120°.39 4°.5/ 7.2 18

4 1	15 35.10	− 9 5.4	1.554	2.383	16.7	19.7
4 11	15 31.04	− 8 20.7	1.483	2.388	13.1	19.5
4 21	15 24.28	− 7 33.3	1.432	2.393	9.1	19.3
5 1	15 15.52	− 6 48.4	1.405	2.397	5.5	19.1
5 11	15 5.85	− 6 11.6	1.404	2.402	4.9	19.1
5 21	14 56.46	− 5 47.6	1.429	2.406	8.1	19.3
5 31	14 48.47	− 5 40.1	1.478	2.410	12.1	19.5
6 10	14 42.72	− 5 49.8	1.548	2.414	15.7	19.7

171353 2006 KR_{65} 5 9.7 269°.18 1°.3/ 9.1 17

4 1	15 36.86	−14 42.9	1.581	2.401	16.9	20.7
4 11	15 32.86	−14 43.4	1.486	2.387	13.4	20.4
4 21	15 25.88	−14 38.8	1.410	2.372	9.2	20.1
5 1	15 16.47	−14 30.5	1.359	2.357	4.4	19.8
5 11	15 5.69	−14 21.2	1.333	2.342	1.7	19.6
5 21	14 54.83	−14 13.9	1.333	2.326	6.4	19.8
5 31	14 45.25	−14 12.5	1.359	2.311	11.3	20.1
6 10	14 38.02	−14 20.4	1.406	2.295	15.7	20.3

209384 2004 EN_{45} 5 9.7 249°.96 5°.6/ 4.8 18

4 1	15 29.44	− 3 58.9	2.243	3.062	12.5	20.5
4 11	15 25.84	− 2 44.9	2.160	3.056	10.0	20.3
4 21	15 20.39	− 1 30.6	2.101	3.050	7.5	20.2
5 1	15 13.59	− 0 21.4	2.069	3.044	5.8	20.1
5 11	15 6.15	+ 0 37.1	2.063	3.038	6.1	20.1
5 21	14 58.84	+ 1 20.7	2.084	3.031	8.2	20.2
5 31	14 52.40	+ 1 46.4	2.131	3.025	10.8	20.3
6 10	14 47.43	+ 1 53.4	2.199	3.018	13.4	20.5

473844 2016 EW_{127} 5 9.7 22.°00 2.°7/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.48	−14 13.6	1.420	2.256	17.6	21.3
4 11	15 29.34	−13 34.2	1.347	2.258	13.8	21.1
4 21	15 23.32	−12 46.7	1.294	2.260	9.3	20.9
5 1	15 15.12	−11 55.2	1.265	2.263	4.7	20.6
5 11	15 5.92	−11 5.6	1.260	2.266	3.1	20.5
5 21	14 56.98	−10 23.8	1.280	2.269	7.2	20.7
5 31	14 49.54	− 9 55.3	1.324	2.272	11.8	21.0
6 10	14 44.46	− 9 43.1	1.388	2.276	15.9	21.3

128427 2004 MQ_{7} 5 9.7 244.°21 0.°4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.44	−17 1.2	1.929	2.735	14.8	20.0
4 11	15 31.11	−17 1.6	1.834	2.727	11.7	19.8
4 21	15 24.31	−16 55.8	1.760	2.718	8.0	19.6
5 1	15 15.59	−16 44.5	1.712	2.709	3.8	19.3
5 11	15 5.85	−16 29.9	1.690	2.700	0.8	19.0
5 21	14 56.15	−16 14.7	1.697	2.691	5.1	19.3
5 31	14 47.54	−16 2.6	1.730	2.681	9.3	19.6
6 10	14 40.87	−15 56.9	1.786	2.671	13.1	19.8

147830 2005 SO_{269} 5 9.7 330.°38 5.°2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.10	− 2 56.9	1.842	2.660	14.9	18.8
4 11	15 30.85	− 2 58.7	1.751	2.646	12.0	18.6
4 21	15 24.14	− 3 6.2	1.681	2.633	8.8	18.3
5 1	15 15.52	− 3 23.0	1.636	2.620	5.9	18.1
5 11	15 5.87	− 3 52.1	1.617	2.608	5.4	18.1
5 21	14 56.23	− 4 34.9	1.624	2.596	7.9	18.2
5 31	14 47.66	− 5 31.5	1.658	2.585	11.4	18.4
6 10	14 41.01	− 6 40.5	1.714	2.575	14.7	18.5

497643 2006 RV_{36} 5 9.7 211.°93 0.°7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.95	−20 50.3	2.131	2.921	14.1	22.4
4 11	15 32.07	−20 43.3	2.032	2.913	11.2	22.2
4 21	15 24.84	−20 26.9	1.954	2.905	7.8	21.9
5 1	15 15.81	−20 1.7	1.901	2.896	3.9	21.7
5 11	15 5.83	−19 29.4	1.877	2.887	0.8	21.4
5 21	14 55.91	−18 53.3	1.882	2.876	4.6	21.7
5 31	14 47.04	−18 17.6	1.914	2.865	8.6	21.9
6 10	14 40.01	−17 46.9	1.971	2.854	12.1	22.1

429130 2009 SO_{345} 5 9.7 142.°19 0.°6/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.03	−21 2.5	2.037	2.833	14.5	22.5
4 11	15 30.49	−20 49.2	1.955	2.840	11.4	22.3
4 21	15 23.67	−20 26.1	1.894	2.847	7.8	22.1
5 1	15 15.18	−19 53.9	1.859	2.854	3.9	21.9
5 11	15 5.94	−19 15.3	1.851	2.861	0.7	21.6
5 21	14 56.92	−18 34.0	1.871	2.867	4.6	21.9
5 31	14 49.06	−17 54.6	1.919	2.872	8.4	22.2
6 10	14 43.06	−17 21.4	1.991	2.877	11.9	22.4

61666 2000 QS_{117} 5 9.7 205.°02 3.°2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.64	−29 37.7	2.665	3.421	12.4	19.2
4 11	15 28.32	−29 41.8	2.565	3.418	10.2	19.1
4 21	15 22.07	−29 34.0	2.487	3.414	7.6	18.9
5 1	15 14.41	−29 13.4	2.434	3.411	5.0	18.7
5 11	15 6.06	−28 40.8	2.410	3.407	3.2	18.6
5 21	14 57.80	−27 58.5	2.413	3.402	4.3	18.7
5 31	14 50.42	−27 10.3	2.445	3.398	6.9	18.8
6 10	14 44.56	−26 20.7	2.502	3.393	9.6	19.0

99853 2002 OG_{9} 5 9.7 22.°28 2.°7/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.55	−26 12.4	1.589	2.397	17.4	19.2
4 11	15 27.73	−26 4.9	1.515	2.403	14.0	19.0
4 21	15 22.16	−25 41.1	1.460	2.410	10.0	18.8
5 1	15 14.56	−25 0.8	1.427	2.418	5.7	18.5
5 11	15 6.04	−24 7.0	1.420	2.426	2.7	18.4
5 21	14 57.82	−23 4.9	1.438	2.436	5.3	18.6
5 31	14 51.04	−22 1.6	1.482	2.445	9.5	18.8
6 10	14 46.52	−21 3.9	1.548	2.456	13.4	19.1

143883 2003 YB_{32} 5 9.7 118.°14 0.°5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.73	−20 33.2	1.784	2.586	15.9	21.0
4 11	15 32.07	−20 21.6	1.709	2.599	12.6	20.8
4 21	15 24.85	−19 59.5	1.655	2.611	8.6	20.6
5 1	15 15.77	−19 27.9	1.626	2.623	4.2	20.3
5 11	15 5.87	−18 49.8	1.624	2.634	0.7	20.1
5 21	14 56.27	−18 9.4	1.650	2.645	5.0	20.4
5 31	14 48.05	−17 31.6	1.701	2.655	9.2	20.7
6 10	14 41.96	−17 1.2	1.777	2.666	12.9	20.9

498817 2008 UQ_{349} 5 9.7 182.°78 1.°5/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.15	−23 16.8	2.277	3.062	13.5	22.5
4 11	15 29.68	−23 16.0	2.185	3.062	10.8	22.3
4 21	15 23.10	−23 5.4	2.115	3.062	7.6	22.1
5 1	15 14.93	−22 45.0	2.070	3.062	4.1	21.9
5 11	15 5.99	−22 16.3	2.054	3.061	1.5	21.7
5 21	14 57.17	−21 42.1	2.065	3.060	4.2	21.9
5 31	14 49.36	−21 6.4	2.105	3.059	7.7	22.1
6 10	14 43.25	−20 33.6	2.169	3.058	10.9	22.3

342362 2008 TH_{185} 5 9.7 238.°92 4.°1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.78	−32 26.1	2.111	2.869	15.2	20.5
4 11	15 29.79	−32 13.0	2.011	2.863	12.6	20.2
4 21	15 23.36	−31 41.7	1.931	2.856	9.6	20.0
5 1	15 15.10	−30 50.9	1.875	2.849	6.4	19.8
5 11	15 5.96	−29 41.9	1.845	2.841	4.2	19.7
5 21	14 56.98	−28 18.8	1.844	2.834	5.3	19.7
5 31	14 49.20	−26 48.4	1.869	2.826	8.4	19.9
6 10	14 43.39	−25 18.2	1.920	2.818	11.7	20.1

27822 1993 UG_{1} 5 9.7 186.°36 4.°1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.01	− 9 29.2	2.191	3.003	13.0	19.0
4 11	15 28.63	− 8 16.6	2.107	3.003	10.2	18.8
4 21	15 22.28	− 6 59.6	2.046	3.003	7.2	18.6
5 1	15 14.50	− 5 43.1	2.013	3.001	4.6	18.4
5 11	15 6.06	− 4 32.6	2.008	2.999	4.5	18.4
5 21	14 57.80	− 3 33.2	2.031	2.997	7.0	18.5
5 31	14 50.50	− 2 48.8	2.080	2.994	10.1	18.7
6 10	14 44.81	− 2 21.4	2.153	2.990	13.0	18.9

414041 2007 RY_{118} 5 9.7 265.°91 0.°4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.14	−19 44.6	1.703	2.509	16.4	22.0
4 11	15 33.10	−19 40.3	1.593	2.485	13.2	21.8
4 21	15 26.10	−19 25.9	1.504	2.461	9.2	21.5
5 1	15 16.64	−19 1.4	1.439	2.435	4.5	21.1
5 11	15 5.71	−18 28.8	1.400	2.410	0.7	20.8
5 21	14 54.56	−17 51.8	1.388	2.383	5.8	21.1
5 31	14 44.56	−17 15.9	1.401	2.356	10.8	21.3
6 10	14 36.83	−16 46.9	1.438	2.328	15.3	21.5

78982 2003 UN_{47} 5 9.7 244.°65 0.°5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.54	−18 42.4	2.401	3.197	12.5	20.7
4 11	15 28.35	−18 8.9	2.293	3.180	9.9	20.5
4 21	15 22.18	−17 26.4	2.208	3.164	6.7	20.2
5 1	15 14.51	−16 36.7	2.149	3.146	3.2	20.0
5 11	15 6.05	−15 42.7	2.119	3.128	0.8	19.7
5 21	14 57.62	−14 48.4	2.118	3.110	4.5	20.0
5 31	14 50.04	−13 58.1	2.145	3.091	8.1	20.2
6 10	14 43.97	−13 16.0	2.197	3.072	11.4	20.3

385049 2012 UA_{26} 5 9.7 303.°81 3.°2/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.07	−27 51.6	1.789	2.582	16.3	20.5
4 11	15 28.20	−27 45.8	1.683	2.561	13.4	20.2
4 21	15 22.63	−27 23.4	1.597	2.541	9.8	20.0
5 1	15 14.90	−26 42.8	1.534	2.521	6.0	19.7
5 11	15 5.98	−25 45.6	1.497	2.501	3.2	19.5
5 21	14 57.03	−24 35.8	1.485	2.481	5.4	19.6
5 31	14 49.27	−23 20.3	1.499	2.461	9.6	19.8
6 10	14 43.65	−22 7.0	1.537	2.442	13.6	20.0

350384 2012 VS_{5} 5 9.7 188.°15 0.°4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.73	−20 14.2	2.275	3.070	13.1	21.7
4 11	15 28.52	−20 0.8	2.184	3.070	10.4	21.5
4 21	15 22.27	−19 38.9	2.115	3.069	7.1	21.3
5 1	15 14.53	−19 9.4	2.072	3.068	3.5	21.1
5 11	15 6.06	−18 34.7	2.058	3.067	0.5	20.8
5 21	14 57.72	−17 58.0	2.071	3.066	4.2	21.1
5 31	14 50.35	−17 23.1	2.112	3.064	7.9	21.3
6 10	14 44.60	−16 53.9	2.178	3.063	11.1	21.5

30884 1992 SL_{23} 5 9.7 159.°57 2.°4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.11	−23 51.3	2.188	2.963	14.2	18.8
4 11	15 33.70	−24 21.9	2.099	2.968	11.4	18.6
4 21	15 25.91	−24 43.8	2.032	2.973	8.2	18.4
5 1	15 16.31	−24 55.6	1.990	2.978	4.7	18.2
5 11	15 5.80	−24 57.2	1.977	2.982	2.4	18.0
5 21	14 55.39	−24 50.1	1.993	2.985	4.6	18.2
5 31	14 46.09	−24 37.6	2.036	2.988	8.1	18.4
6 10	14 38.70	−24 23.8	2.105	2.991	11.3	18.6

338522 2003 QS_{85} 5 9.7 219.°13 3.°2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.10	−28 56.1	2.521	3.279	13.0	21.7
4 11	15 30.41	−29 2.4	2.415	3.270	10.7	21.6
4 21	15 23.61	−28 56.5	2.331	3.260	8.0	21.4
5 1	15 15.21	−28 37.5	2.272	3.250	5.1	21.2
5 11	15 5.97	−28 5.7	2.241	3.240	3.2	21.0
5 21	14 56.79	−27 23.5	2.239	3.229	4.5	21.1
5 31	14 48.52	−26 34.8	2.265	3.217	7.4	21.2
6 10	14 41.90	−25 44.8	2.316	3.205	10.3	21.4

5473 Yamanashi 5 9.7 208.°73 0.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.81	−15 45.1	1.950	2.753	14.8	17.6
4 11	15 32.89	−15 41.2	1.856	2.748	11.6	17.3
4 21	15 25.49	−15 31.7	1.785	2.742	7.9	17.1
5 1	15 16.17	−15 17.8	1.738	2.736	3.8	16.8
5 11	15 5.85	−15 1.9	1.720	2.729	1.2	16.6
5 21	14 55.59	−14 46.8	1.729	2.721	5.3	16.9
5 31	14 46.45	−14 36.0	1.766	2.713	9.5	17.1
6 10	14 39.28	−14 32.5	1.826	2.704	13.2	17.3

425741 2011 BB_{97} 5 9.7 349°.51 1°.9/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.00	−22 39.1	1.479	2.298	17.9	20.8
4 11	15 29.20	−22 48.7	1.397	2.294	14.3	20.5
4 21	15 23.42	−22 45.6	1.334	2.290	10.1	20.3
5 1	15 15.30	−22 29.5	1.293	2.287	5.4	20.0
5 11	15 5.98	−22 2.1	1.277	2.285	1.9	19.8
5 21	14 56.79	−21 27.4	1.285	2.283	5.7	20.0
5 31	14 49.05	−20 51.4	1.318	2.282	10.4	20.3
6 10	14 43.75	−20 20.2	1.373	2.281	14.7	20.5

459483 2013 CZ_{73} 5 9.7 167°.69 0°.9/ 9.2 17

4 1	15 38.55	−16 55.0	1.579	2.393	17.2	22.4
4 11	15 33.93	−16 40.2	1.499	2.397	13.5	22.2
4 21	15 26.39	−16 17.0	1.440	2.400	9.2	21.9
5 1	15 16.63	−15 47.0	1.404	2.402	4.3	21.6
5 11	15 5.79	−15 13.7	1.395	2.404	1.3	21.4
5 21	14 55.19	−14 41.7	1.412	2.406	6.1	21.7
5 31	14 46.06	−14 16.0	1.455	2.406	10.8	22.0
6 10	14 39.33	−14 0.6	1.521	2.407	14.9	22.2

192670 1999 RR_{206} 5 9.7 243°.88 0°.4/10.0 18

4 1	15 33.67	−21 50.3	2.489	3.273	12.5	20.9
4 11	15 29.22	−21 17.4	2.375	3.254	9.9	20.7
4 21	15 22.78	−20 33.6	2.284	3.235	6.9	20.5
5 1	15 14.82	−19 40.0	2.219	3.214	3.4	20.2
5 11	15 6.06	−18 39.1	2.183	3.193	0.5	19.9
5 21	14 57.32	−17 34.9	2.177	3.171	4.2	20.2
5 31	14 49.41	−16 32.2	2.199	3.148	7.8	20.4
6 10	14 43.01	−15 35.7	2.247	3.125	11.1	20.5

71672 2000 ER_{166} 5 9.7 188°.76 0°.5/ 9.4 18

4 1	15 34.93	−16 21.4	2.575	3.366	11.9	19.5
4 11	15 29.96	−16 18.8	2.480	3.365	9.3	19.3
4 21	15 23.14	−16 11.4	2.409	3.364	6.3	19.1
5 1	15 14.94	−16 0.3	2.365	3.362	3.0	18.9
5 11	15 6.06	−15 47.2	2.350	3.360	0.8	18.7
5 21	14 57.26	−15 34.2	2.365	3.357	4.1	19.0
5 31	14 49.30	−15 23.8	2.408	3.353	7.4	19.2
6 10	14 42.80	−15 18.5	2.477	3.349	10.3	19.4

141119 2001 XQ_{81} 5 9.7 33°.90 5°.2/ 5.8 18

4 1	15 30.07	− 4 12.1	2.140	2.961	13.0	19.9
4 11	15 26.38	− 3 21.6	2.066	2.963	10.4	19.7
4 21	15 20.78	− 2 32.5	2.015	2.966	7.6	19.5
5 1	15 13.82	− 1 49.3	1.989	2.969	5.5	19.4
5 11	15 6.24	− 1 16.7	1.990	2.972	5.6	19.4
5 21	14 58.84	− 0 57.8	2.018	2.975	7.7	19.5
5 31	14 52.39	− 0 54.8	2.071	2.979	10.4	19.7
6 10	14 47.48	− 1 7.9	2.146	2.982	13.1	19.9

297708 2001 VC_{103} 5 9.7 95°.12 1°.6/10.5 18

4 1	15 38.22	−22 3.0	1.464	2.274	18.4	21.0
4 11	15 33.89	−22 9.1	1.394	2.286	14.7	20.7
4 21	15 26.45	−22 2.8	1.343	2.298	10.2	20.5
5 1	15 16.66	−21 43.9	1.315	2.310	5.3	20.2
5 11	15 5.82	−21 14.5	1.313	2.321	1.6	20.0
5 21	14 55.35	−20 39.0	1.336	2.333	5.7	20.3
5 31	14 46.56	−20 3.4	1.384	2.344	10.4	20.6
6 10	14 40.38	−19 33.8	1.455	2.355	14.6	20.9

208528 2001 YB_{42} 5 9.7 192°.28 0°.8/ 9.3 18

4 1	15 38.99	−16 15.1	1.809	2.614	15.7	21.0
4 11	15 33.99	−16 8.8	1.720	2.612	12.4	20.8
4 21	15 26.31	−15 56.0	1.653	2.611	8.4	20.6
5 1	15 16.59	−15 37.9	1.611	2.608	4.0	20.3
5 11	15 5.83	−15 17.1	1.596	2.605	1.2	20.1
5 21	14 55.18	−14 57.0	1.608	2.601	5.6	20.4
5 31	14 45.80	−14 41.4	1.648	2.596	9.9	20.6
6 10	14 38.56	−14 33.9	1.710	2.591	13.8	20.8

514558 2017 WV_{10} 5 9.7 148°.85 2°.8/12.5 18

4 1	15 32.65	−29 41.4	2.975	3.724	11.4	21.7
4 11	15 28.03	−29 39.7	2.884	3.732	9.3	21.6
4 21	15 21.72	−29 26.9	2.815	3.740	6.9	21.4
5 1	15 14.22	−29 2.6	2.772	3.748	4.5	21.3
5 11	15 6.19	−28 27.9	2.758	3.755	2.9	21.2
5 21	14 58.32	−27 44.9	2.773	3.762	3.8	21.2
5 31	14 51.28	−26 57.2	2.817	3.768	6.2	21.4
6 10	14 45.60	−26 8.8	2.887	3.774	8.6	21.6

503754 2016 NY_{2} 5 9.7 116°.65 11°.7/30.3 17

4 1	15 33.03	+13 46.7	1.991	2.778	15.0	21.2
4 11	15 28.76	+15 23.1	1.942	2.785	13.4	21.1
4 21	15 22.40	+16 44.8	1.914	2.792	12.1	21.1
5 1	15 14.57	+17 43.9	1.909	2.800	11.7	21.1
5 11	15 6.15	+18 14.8	1.927	2.807	12.3	21.1
5 21	14 58.02	+18 15.1	1.967	2.813	13.5	21.2
5 31	14 51.02	+17 45.7	2.027	2.820	15.2	21.3
6 10	14 45.79	+16 50.1	2.105	2.826	16.8	21.5

322611 3506 $T\text{-}_{3}$ 5 9.7 233°.96 2°.3/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 39.66	−23 21.0	1.811	2.600	16.3	22.0
4 11	15 34.89	−23 40.5	1.709	2.588	13.2	21.8
4 21	15 27.20	−23 49.6	1.627	2.574	9.4	21.5
5 1	15 17.14	−23 46.9	1.570	2.560	5.3	21.3
5 11	15 5.73	−23 32.3	1.539	2.545	2.3	21.0
5 21	14 54.23	−23 8.3	1.535	2.530	5.4	21.2
5 31	14 43.95	−22 39.3	1.558	2.514	9.8	21.4
6 10	14 35.95	−22 11.3	1.605	2.497	13.9	21.6

477107 2009 BD_{172} 5 9.7 28°.46 0°.0/ 9.7 17

4 1	15 31.65	−19 6.0	2.090	2.895	13.8	21.6
4 11	15 27.85	−18 49.2	2.003	2.895	10.9	21.4
4 21	15 21.92	−18 24.0	1.939	2.896	7.4	21.2
5 1	15 14.42	−17 51.7	1.899	2.896	3.5	20.9
5 11	15 6.16	−17 15.1	1.887	2.897	0.5	20.7
5 21	14 58.06	−16 37.9	1.903	2.898	4.6	21.0
5 31	14 50.98	−16 4.2	1.946	2.898	8.4	21.2
6 10	14 45.63	−15 37.6	2.013	2.899	11.7	21.4

150289 1999 TX_{143} 5 9.7 217°.46 1°.2/10.8 18

4 1	15 31.30	−23 25.6	2.933	3.708	11.0	21.2
4 11	15 27.02	−23 17.4	2.829	3.701	8.8	21.0
4 21	15 21.10	−23 0.9	2.748	3.693	6.1	20.8
5 1	15 13.97	−22 36.3	2.694	3.685	3.3	20.6
5 11	15 6.23	−22 5.2	2.669	3.677	1.2	20.4
5 21	14 58.56	−21 29.8	2.673	3.668	3.4	20.6
5 31	14 51.61	−20 53.2	2.706	3.659	6.3	20.8
6 10	14 45.92	−20 18.7	2.766	3.650	9.0	20.9

479137 2013 BE_{51} 5 9.7 260°.93 8°.3/16.3 18

4 1	15 37.01	−43 47.5	2.496	3.178	14.9	21.7
4 11	15 32.57	−44 36.0	2.392	3.167	13.3	21.6
4 21	15 25.47	−45 7.1	2.305	3.155	11.4	21.4
5 1	15 16.25	−45 16.5	2.241	3.144	9.6	21.3
5 11	15 5.88	−45 1.6	2.200	3.133	8.5	21.2
5 21	14 55.50	−44 22.7	2.185	3.121	8.4	21.2
5 31	14 46.30	−43 23.3	2.194	3.109	9.6	21.2
6 10	14 39.20	−42 10.3	2.228	3.098	11.4	21.3

128619 2004 QN_{25} 5 9.7 150°.87 8°.4/17.0 18

4 1	15 37.80	−43 38.5	2.051	2.749	17.3	19.6
4 11	15 33.42	−43 56.1	1.960	2.751	15.2	19.4
4 21	15 26.06	−43 50.2	1.887	2.754	12.8	19.2
5 1	15 16.47	−43 16.5	1.835	2.756	10.4	19.1
5 11	15 5.87	−42 13.6	1.806	2.758	8.7	19.0
5 21	14 55.62	−40 44.4	1.803	2.759	8.5	19.0
5 31	14 46.97	−38 56.0	1.826	2.761	10.0	19.1
6 10	14 40.81	−36 58.4	1.873	2.762	12.3	19.2

313064 2000 SU_{133} 5 9.7 192°.78 3°.2/11.9 16

4 1	15 39.04	−27 59.0	2.101	2.866	15.0	22.0
4 11	15 33.87	−28 2.7	2.003	2.864	12.3	21.8
4 21	15 26.15	−27 52.6	1.927	2.862	9.0	21.6
5 1	15 16.50	−27 27.3	1.876	2.858	5.5	21.4
5 11	15 5.86	−26 47.4	1.852	2.854	3.2	21.2
5 21	14 55.35	−25 56.3	1.856	2.849	5.0	21.3
5 31	14 46.05	−24 59.2	1.889	2.842	8.5	21.5
6 10	14 38.78	−24 2.5	1.946	2.835	12.0	21.7

96927 1999 TX_{126} 5 9.7 244°.17 0°.9/10.3 18

4 1	15 33.69	−21 11.9	1.967	2.767	14.7	19.8
4 11	15 29.70	−21 9.9	1.877	2.764	11.7	19.6
4 21	15 23.34	−20 58.3	1.807	2.761	8.1	19.4
5 1	15 15.16	−20 37.4	1.763	2.758	4.1	19.1
5 11	15 6.08	−20 9.2	1.745	2.754	1.0	18.9
5 21	14 57.10	−19 37.0	1.755	2.751	4.7	19.1
5 31	14 49.23	−19 5.1	1.791	2.747	8.7	19.4
6 10	14 43.26	−18 38.1	1.851	2.744	12.3	19.6

435281 2007 TU_{328} 5 9.7 252°.56 1°.0/10.5 17

4 1	15 31.64	−22 55.3	2.182	2.975	13.7	21.2
4 11	15 27.87	−22 34.3	2.085	2.969	10.9	21.0
4 21	15 21.97	−22 1.9	2.010	2.962	7.6	20.8
5 1	15 14.47	−21 18.9	1.961	2.955	3.9	20.6
5 11	15 6.19	−20 27.8	1.939	2.948	1.0	20.3
5 21	14 58.01	−19 32.6	1.945	2.941	4.3	20.6
5 31	14 50.82	−18 38.2	1.979	2.934	8.1	20.8
6 10	14 45.33	−17 49.5	2.037	2.927	11.5	21.0

98802 2000 YB_{115} 5 9.7 120°.83 3°.4/12.4 17

4 1	15 34.22	−29 52.1	2.065	2.835	15.1	19.6
4 11	15 30.03	−29 42.9	1.980	2.842	12.4	19.4
4 21	15 23.46	−29 17.7	1.916	2.849	9.2	19.2
5 1	15 15.16	−28 35.8	1.875	2.856	5.8	19.0
5 11	15 6.10	−27 39.0	1.862	2.862	3.5	18.9
5 21	14 57.30	−26 31.5	1.876	2.868	4.9	19.0
5 31	14 49.73	−25 19.3	1.917	2.875	8.2	19.2
6 10	14 44.11	−24 9.0	1.983	2.881	11.4	19.4

438389 2006 UB_{34} 5 9.7 326°.04 2°.2/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.05	−15 46.8	1.875	2.700	14.4	20.7
4 11	15 25.32	−14 47.5	1.784	2.689	11.3	20.5
4 21	15 20.37	−13 38.3	1.714	2.678	7.6	20.3
5 1	15 13.75	−12 22.8	1.670	2.667	3.8	20.0
5 11	15 6.31	−11 6.7	1.652	2.658	2.6	19.9
5 21	14 58.97	− 9 56.2	1.661	2.648	6.2	20.1
5 31	14 52.67	− 8 57.1	1.696	2.639	10.1	20.3
6 10	14 48.14	− 8 13.4	1.754	2.631	13.7	20.5

2228 Soyuz–Apollo 5 9.7 154°.07 0°.8/ 9.1 18 R

4 1	15 31.26	−16 27.2	2.855	3.649	10.8	17.3
4 11	15 26.86	−16 5.8	2.769	3.656	8.4	17.1
4 21	15 20.91	−15 39.2	2.706	3.662	5.6	16.9
5 1	15 13.86	−15 9.1	2.671	3.668	2.7	16.7
5 11	15 6.31	−14 37.8	2.665	3.673	1.0	16.6
5 21	14 58.91	−14 7.8	2.688	3.678	3.8	16.8
5 31	14 52.25	−13 41.8	2.740	3.683	6.7	17.0
6 10	14 46.86	−13 22.2	2.818	3.687	9.3	17.2

101993 1999 RJ_{70} 5 9.7 184°.71 1°.8/ 8.5 17

4 1	15 35.76	−15 16.0	2.006	2.812	14.3	20.7
4 11	15 31.10	−14 37.5	1.919	2.813	11.2	20.5
4 21	15 24.15	−13 51.6	1.854	2.812	7.6	20.2
5 1	15 15.52	−13 1.1	1.815	2.812	3.7	20.0
5 11	15 6.08	−12 10.2	1.803	2.810	2.1	19.9
5 21	14 56.81	−11 23.4	1.821	2.808	5.7	20.1
5 31	14 48.65	−10 45.2	1.865	2.805	9.5	20.3
6 10	14 42.34	−10 18.9	1.932	2.801	13.0	20.5

32101 Williamyin 5 9.7 283°.58 0°.3/ 9.9 18

4 1	15 33.89	−19 33.7	1.771	2.581	15.7	18.9
4 11	15 30.36	−19 27.1	1.666	2.560	12.6	18.6
4 21	15 24.13	−19 10.8	1.580	2.538	8.7	18.3
5 1	15 15.70	−18 45.2	1.519	2.516	4.3	18.0
5 11	15 6.02	−18 12.6	1.485	2.494	0.6	17.7
5 21	14 56.23	−17 36.8	1.476	2.472	5.4	18.0
5 31	14 47.52	−17 2.9	1.494	2.450	10.1	18.2
6 10	14 40.91	−16 35.9	1.534	2.428	14.4	18.4

1867 Deiphobus 5 9.7 312°.50 5°.0/17.4 18

4 1	15 28.73	−44 58.8	4.338	4.987	9.4	15.6
4 11	15 24.78	−45 8.6	4.233	4.984	8.3	15.5
4 21	15 19.45	−45 6.1	4.148	4.981	7.1	15.4
5 1	15 13.15	−44 50.1	4.087	4.979	6.0	15.3
5 11	15 6.42	−44 20.4	4.052	4.976	5.2	15.3
5 21	14 59.80	−43 38.0	4.043	4.973	5.1	15.2
5 31	14 53.83	−42 45.2	4.061	4.971	5.7	15.3
6 10	14 48.96	−41 45.2	4.106	4.968	6.8	15.4

389109 2008 YJ_{40} 5 9.7 157°.91 2°.4/ 7.8 18

4 1	15 33.08	−10 48.2	2.753	3.552	11.0	22.1
4 11	15 28.27	−10 18.7	2.670	3.560	8.6	22.0
4 21	15 21.85	− 9 46.9	2.612	3.567	5.9	21.8
5 1	15 14.31	− 9 15.3	2.581	3.574	3.2	21.6
5 11	15 6.26	− 8 46.6	2.579	3.580	2.6	21.6
5 21	14 58.37	− 8 23.4	2.607	3.586	4.9	21.8
5 31	14 51.28	− 8 8.0	2.663	3.591	7.6	21.9
6 10	14 45.49	− 8 1.9	2.744	3.595	10.1	22.1

206607 2003 WD_{69} 5 9.7 120°.32 1°.6/11.1 18

4 1	15 32.80	−25 51.4	2.223	3.004	13.9	20.3
4 11	15 28.60	−25 17.7	2.139	3.013	11.1	20.1
4 21	15 22.33	−24 30.4	2.077	3.022	7.8	19.9
5 1	15 14.59	−23 30.4	2.040	3.030	4.2	19.7
5 11	15 6.23	−22 20.8	2.031	3.039	1.6	19.6
5 21	14 58.13	−21 6.5	2.051	3.047	4.2	19.8
5 31	14 51.12	−19 52.9	2.099	3.054	7.7	20.0
6 10	14 45.84	−18 45.6	2.172	3.062	10.9	20.2

6693 1986 CC_2 5 9.7 240°.77 5°.3/13.0 18

4 1	15 39.55	−32 42.3	2.129	2.875	15.4	18.6
4 11	15 34.66	−33 7.7	2.016	2.857	13.0	18.4
4 21	15 26.99	−33 18.3	1.923	2.839	10.2	18.1
5 1	15 17.07	−33 10.4	1.854	2.819	7.2	17.9
5 11	15 5.85	−32 42.8	1.811	2.799	5.3	17.8
5 21	14 54.52	−31 56.9	1.795	2.778	6.3	17.8
5 31	14 44.33	−30 57.6	1.807	2.756	9.2	17.9
6 10	14 36.27	−29 52.2	1.843	2.733	12.5	18.1

13538 1991 ST 5 9.7 300°.67 3°.6/ 8.3 18 R

4 1	15 34.73	−11 5.6	1.282	2.124	18.8	16.8
4 11	15 32.03	−10 52.8	1.184	2.097	15.1	16.5
4 21	15 25.90	−10 36.4	1.105	2.071	10.5	16.2
5 1	15 16.81	−10 20.2	1.048	2.045	5.7	15.8
5 11	15 5.87	−10 8.7	1.014	2.019	3.9	15.6
5 21	14 54.59	−10 6.9	1.004	1.993	8.6	15.8
5 31	14 44.65	−10 19.0	1.016	1.968	14.1	16.0
6 10	14 37.44	−10 47.7	1.047	1.943	19.2	16.2

121593 Kevinmiller 5 9.7 230°.91 3°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.61	−31 19.1	2.759	3.504	12.3	20.3
4 11	15 29.17	−31 41.3	2.654	3.497	10.2	20.1
4 21	15 22.76	−31 52.1	2.571	3.489	7.9	19.9
5 1	15 14.87	−31 50.1	2.514	3.481	5.5	19.8
5 11	15 6.20	−31 34.9	2.483	3.473	4.0	19.6
5 21	14 57.55	−31 8.1	2.481	3.464	4.7	19.7
5 31	14 49.73	−30 32.7	2.507	3.455	7.0	19.8
6 10	14 43.42	−29 53.2	2.559	3.447	9.5	20.0

72434 2001 CV_{42} 5 9.7 270°.98 2°.8/ 7.9 18

4 1	15 32.00	−12 7.6	1.938	2.758	14.2	19.5
4 11	15 28.28	−11 32.4	1.851	2.753	11.1	19.3
4 21	15 22.32	−10 52.5	1.786	2.747	7.6	19.1
5 1	15 14.69	−10 11.3	1.747	2.742	4.1	18.9
5 11	15 6.23	− 9 32.9	1.734	2.737	3.1	18.8
5 21	14 57.89	− 9 1.6	1.748	2.732	6.3	19.0
5 31	14 50.60	− 8 41.0	1.789	2.727	10.0	19.2
6 10	14 45.09	− 8 33.4	1.852	2.722	13.4	19.4

403327 2009 DC_{33} 5 9.7 139°.01 2°.5/ 8.2 18

4 1	15 37.61	−13 22.4	1.887	2.695	15.0	21.8
4 11	15 32.51	−12 43.1	1.814	2.709	11.7	21.6
4 21	15 25.06	−11 58.3	1.763	2.721	7.9	21.4
5 1	15 15.92	−11 11.1	1.738	2.733	4.0	21.2
5 11	15 6.07	−10 26.2	1.740	2.745	2.8	21.1
5 21	14 56.53	− 9 47.9	1.771	2.755	6.1	21.3
5 31	14 48.26	− 9 20.1	1.828	2.765	9.9	21.6
6 10	14 41.96	− 9 5.3	1.909	2.774	13.3	21.8

132707 2002 OR_{11} 5 9.7 270°.79 8°.1/ 2.2 18

4 1	15 30.96	+ 2 45.4	2.197	3.008	13.0	20.0
4 11	15 27.25	+ 4 16.2	2.105	2.985	10.9	19.8
4 21	15 21.55	+ 5 44.3	2.035	2.962	9.1	19.6
5 1	15 14.32	+ 7 2.9	1.991	2.939	8.1	19.5
5 11	15 6.28	+ 8 5.1	1.974	2.915	8.7	19.5
5 21	14 58.24	+ 8 46.1	1.981	2.891	10.6	19.6
5 31	14 51.02	+ 9 3.1	2.013	2.867	13.1	19.7
6 10	14 45.32	+ 8 56.1	2.064	2.842	15.5	19.8

176052 2000 TT_{22} 5 9.7 143°.85 3°.1/12.3 18

4 1	15 34.43	−28 43.0	2.732	3.487	12.2	20.8
4 11	15 29.64	−29 1.0	2.642	3.494	10.0	20.7
4 21	15 22.97	−29 8.5	2.574	3.502	7.4	20.5
5 1	15 14.92	−29 4.5	2.532	3.508	4.8	20.4
5 11	15 6.22	−28 49.4	2.519	3.515	3.2	20.3
5 21	14 57.64	−28 25.0	2.533	3.521	4.2	20.3
5 31	14 49.94	−27 54.3	2.577	3.527	6.7	20.5
6 10	14 43.75	−27 21.5	2.646	3.533	9.3	20.7

309149 2006 YR_{27} 5 9.8 242°.41 5°.8/ 5.2 18

4 1	15 32.09	+ 1 5.9	2.598	3.399	11.5	20.8
4 11	15 27.70	+ 1 43.4	2.510	3.390	9.4	20.7
4 21	15 21.60	+ 2 16.3	2.445	3.380	7.4	20.5
5 1	15 14.27	+ 2 40.7	2.407	3.370	6.0	20.4
5 11	15 6.32	+ 2 53.1	2.396	3.359	6.1	20.4
5 21	14 58.45	+ 2 51.1	2.412	3.349	7.7	20.5
5 31	14 51.34	+ 2 33.6	2.454	3.338	10.0	20.6
6 10	14 45.54	+ 2 1.1	2.520	3.327	12.2	20.7

243294 2008 DN_{83} 5 9.8 197°.21 2°.8/ 7.2 18

4 1	15 29.21	−10 47.6	2.558	3.370	11.4	20.8
4 11	15 25.48	−10 1.5	2.472	3.369	8.9	20.6
4 21	15 20.10	− 9 12.0	2.410	3.368	6.1	20.4
5 1	15 13.54	− 8 22.5	2.374	3.367	3.5	20.3
5 11	15 6.43	− 7 36.6	2.367	3.366	3.1	20.2
5 21	14 59.45	− 6 57.7	2.389	3.364	5.4	20.4
5 31	14 53.25	− 6 28.7	2.437	3.363	8.3	20.5
6 10	14 48.36	− 6 11.5	2.509	3.362	10.9	20.7

250071 2002 EO_{89} 5 9.8 11°.78 4°.8/13.2 17

4 1	15 31.21	−31 48.9	2.002	2.771	15.6	19.4
4 11	15 27.95	−32 5.7	1.916	2.774	12.9	19.2
4 21	15 22.24	−32 6.5	1.851	2.776	9.9	19.0
5 1	15 14.69	−31 49.5	1.808	2.780	6.8	18.8
5 11	15 6.26	−31 15.2	1.791	2.783	4.8	18.7
5 21	14 58.01	−30 26.5	1.800	2.788	5.7	18.8
5 31	14 50.96	−29 28.8	1.835	2.792	8.5	18.9
6 10	14 45.90	−28 28.7	1.895	2.798	11.6	19.1

129119 Ericmuhle 5 9.8 223°.79 2°.9/11.7 18

4 1	15 34.33	−26 34.8	2.008	2.791	15.1	20.2
4 11	15 30.30	−26 42.6	1.916	2.788	12.3	20.0
4 21	15 23.81	−26 37.6	1.845	2.786	8.9	19.8
5 1	15 15.45	−26 18.7	1.797	2.783	5.3	19.5
5 11	15 6.15	−25 47.1	1.777	2.781	2.9	19.4
5 21	14 56.97	−25 5.8	1.784	2.778	4.9	19.5
5 31	14 48.94	−24 19.5	1.817	2.775	8.5	19.7
6 10	14 42.87	−23 34.2	1.875	2.772	12.0	19.9

501169 2013 TJ_{89} 5 9.8 251°.37 0°.0/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.62	−20 19.1	1.933	2.737	14.8	22.2
4 11	15 29.77	−19 53.5	1.833	2.724	11.8	22.0
4 21	15 23.49	−19 16.7	1.755	2.711	8.1	21.8
5 1	15 15.32	−18 30.0	1.702	2.698	3.9	21.5
5 11	15 6.17	−17 36.4	1.675	2.685	0.5	21.2
5 21	14 57.06	−16 40.8	1.677	2.671	5.1	21.5
5 31	14 49.04	−15 48.5	1.704	2.657	9.3	21.7
6 10	14 42.94	−15 4.7	1.756	2.643	13.2	21.9

505572 2014 BQ_{15} 5 9.8 256°.52 1°.3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.53	−14 51.9	2.080	2.889	13.7	21.4
4 11	15 29.42	−14 41.5	1.986	2.881	10.8	21.2
4 21	15 23.09	−14 26.0	1.914	2.873	7.3	20.9
5 1	15 15.09	−14 7.2	1.867	2.864	3.5	20.7
5 11	15 6.21	−13 47.8	1.848	2.856	1.5	20.5
5 21	14 57.38	−13 30.7	1.856	2.847	5.1	20.7
5 31	14 49.54	−13 19.0	1.892	2.839	9.0	21.0
6 10	14 43.42	−13 15.5	1.951	2.830	12.4	21.2

4474 Proust 5 9.8 314°.50 1°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.66	−16 0.8	2.078	2.893	13.5	17.5
4 11	15 26.46	−15 41.2	1.978	2.877	10.7	17.2
4 21	15 21.13	−15 15.0	1.901	2.861	7.2	17.0
5 1	15 14.17	−14 44.1	1.848	2.846	3.5	16.7
5 11	15 6.34	−14 11.5	1.823	2.831	1.4	16.6
5 21	14 58.52	−13 40.9	1.825	2.816	5.1	16.8
5 31	14 51.62	−13 16.0	1.853	2.802	8.9	17.0
6 10	14 46.36	−13 0.1	1.904	2.788	12.4	17.2

118861 2000 SM_{319} 5 9.8 126°.86 4°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.96	−32 15.2	2.132	2.886	15.2	19.8
4 11	15 31.35	−32 10.9	2.048	2.897	12.6	19.6
4 21	15 24.35	−31 49.7	1.984	2.907	9.5	19.4
5 1	15 15.63	−31 10.4	1.945	2.917	6.4	19.3
5 11	15 6.15	−30 14.3	1.932	2.927	4.3	19.1
5 21	14 56.97	−29 5.3	1.947	2.936	5.2	19.2
5 31	14 49.06	−27 49.5	1.990	2.945	8.1	19.4
6 10	14 43.15	−26 33.7	2.058	2.953	11.1	19.6

351892 2006 SL_{220} 5 9.8 321°.57 3°.1/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.22	−12 30.1	2.052	2.874	13.5	21.0
4 11	15 25.95	−11 28.9	1.967	2.869	10.5	20.8
4 21	15 20.66	−10 21.4	1.904	2.865	7.2	20.6
5 1	15 13.88	− 9 11.7	1.867	2.861	4.0	20.4
5 11	15 6.40	− 8 5.2	1.857	2.858	3.5	20.4
5 21	14 59.07	− 7 7.1	1.875	2.854	6.4	20.5
5 31	14 52.71	− 6 21.8	1.919	2.851	9.8	20.7
6 10	14 47.97	− 5 52.0	1.986	2.847	13.0	20.9

199542 2006 DM_{208} 5 9.8 170°.78 0°.6/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.65	−20 58.7	2.086	2.883	14.1	20.8
4 11	15 29.49	−20 47.8	1.998	2.885	11.2	20.6
4 21	15 23.10	−20 27.4	1.932	2.886	7.7	20.4
5 1	15 15.06	−19 58.2	1.891	2.887	3.8	20.1
5 11	15 6.23	−19 22.7	1.878	2.888	0.7	19.9
5 21	14 57.56	−18 44.2	1.892	2.888	4.5	20.2
5 31	14 49.95	−18 7.2	1.934	2.888	8.3	20.4
6 10	14 44.13	−17 35.8	2.000	2.889	11.7	20.6

22029 1999 XN_{126} 5 9.8 315°.61 1°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.25	−22 48.3	1.795	2.598	15.8	18.8
4 11	15 29.76	−23 1.4	1.702	2.589	12.7	18.6
4 21	15 23.64	−23 4.0	1.629	2.581	9.0	18.3
5 1	15 15.46	−22 55.5	1.581	2.574	4.9	18.1
5 11	15 6.19	−22 37.0	1.558	2.566	1.9	17.8
5 21	14 56.95	−22 11.3	1.562	2.559	5.1	18.0
5 31	14 48.90	−21 43.0	1.592	2.552	9.3	18.3
6 10	14 42.93	−21 17.2	1.645	2.545	13.2	18.5

64836 2001 XL_{257} 5 9.8 127°.88 12°.7/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.05	+15 9.9	1.843	2.627	16.2	19.4
4 11	15 30.60	+16 33.6	1.790	2.629	14.5	19.3
4 21	15 23.82	+17 40.6	1.756	2.631	13.2	19.2
5 1	15 15.37	+18 22.7	1.743	2.633	12.7	19.2
5 11	15 6.22	+18 33.8	1.753	2.635	13.2	19.2
5 21	14 57.38	+18 11.9	1.785	2.637	14.5	19.3
5 31	14 49.77	+17 18.5	1.836	2.638	16.2	19.4
6 10	14 44.11	+15 58.1	1.906	2.640	18.0	19.5

506636 2006 QF_{180} 5 9.8 256°.41 1°.4/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.66	−21 59.4	1.830	2.627	15.8	22.5
4 11	15 32.51	−22 1.4	1.724	2.609	12.7	22.2
4 21	15 25.60	−21 52.6	1.639	2.591	9.0	21.9
5 1	15 16.46	−21 32.6	1.578	2.572	4.7	21.6
5 11	15 6.04	−21 2.8	1.544	2.553	1.4	21.4
5 21	14 55.52	−20 26.3	1.537	2.533	5.2	21.6
5 31	14 46.14	−19 48.3	1.556	2.512	9.8	21.8
6 10	14 38.88	−19 14.4	1.599	2.492	13.9	22.0

129856 1999 RX_{101} 5 9.8 216°.78 4°.0/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.07	−31 25.6	2.478	3.225	13.5	20.4
4 11	15 31.32	−31 34.6	2.372	3.216	11.2	20.2
4 21	15 24.35	−31 30.1	2.287	3.207	8.6	20.0
5 1	15 15.70	−31 10.3	2.227	3.198	5.8	19.8
5 11	15 6.17	−30 35.4	2.195	3.188	4.0	19.7
5 21	14 56.70	−29 47.6	2.191	3.177	5.0	19.7
5 31	14 48.21	−28 51.3	2.215	3.165	7.6	19.9
6 10	14 41.45	−27 52.1	2.264	3.154	10.5	20.0

304467 2006 UT_{51} 5 9.8 195°.48 2°.0/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.15	−25 14.6	2.724	3.494	11.9	22.7
4 11	15 28.65	−25 17.8	2.625	3.492	9.5	22.5
4 21	15 22.33	−25 11.8	2.549	3.489	6.8	22.4
5 1	15 14.66	−24 56.2	2.500	3.486	4.0	22.2
5 11	15 6.33	−24 32.1	2.478	3.483	2.0	22.0
5 21	14 58.07	−24 1.6	2.486	3.480	3.8	22.1
5 31	14 50.63	−23 27.9	2.522	3.476	6.7	22.3
6 10	14 44.62	−22 54.9	2.584	3.471	9.5	22.5

194288 2001 UU_{49} 5 9.8 257°.91 3°.7/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.04	−10 21.0	1.675	2.493	16.2	20.3
4 11	15 33.70	− 9 54.4	1.572	2.472	12.9	20.0
4 21	15 26.48	− 9 24.1	1.491	2.450	9.0	19.7
5 1	15 16.92	− 8 53.7	1.434	2.428	5.1	19.4
5 11	15 5.99	− 8 27.6	1.403	2.405	4.0	19.3
5 21	14 54.91	− 8 10.4	1.399	2.381	7.7	19.5
5 31	14 44.97	− 8 6.0	1.420	2.357	12.1	19.7
6 10	14 37.23	− 8 16.9	1.463	2.332	16.3	19.8

266359 2007 EU_{34} 5 9.8 36°.05 2°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.30	−22 28.1	1.514	2.324	17.9	19.8
4 11	15 32.46	−23 4.3	1.442	2.333	14.4	19.5
4 21	15 25.58	−23 30.3	1.390	2.343	10.2	19.3
5 1	15 16.40	−23 44.4	1.361	2.353	5.7	19.1
5 11	15 6.09	−23 46.8	1.357	2.363	2.6	18.9
5 21	14 56.03	−23 39.9	1.378	2.374	5.7	19.1
5 31	14 47.52	−23 27.9	1.424	2.386	10.0	19.4
6 10	14 41.52	−23 16.4	1.493	2.397	14.0	19.7

406821 2008 XX_{34} 5 9.8 223°.60 2°.3/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.26	−24 46.4	1.724	2.515	16.9	23.1
4 11	15 33.89	−24 45.2	1.627	2.506	13.7	22.8
4 21	15 26.57	−24 29.9	1.549	2.497	9.8	22.6
5 1	15 16.91	−23 59.5	1.496	2.487	5.4	22.3
5 11	15 6.00	−23 15.5	1.469	2.476	2.3	22.1
5 21	14 55.13	−22 21.8	1.469	2.464	5.5	22.2
5 31	14 45.60	−21 25.0	1.495	2.452	10.0	22.5
6 10	14 38.42	−20 32.1	1.544	2.440	14.2	22.7

373846 2003 GN_5 5 9.8 349°.49 6°.2/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.82	−29 48.0	1.713	2.486	17.6	20.2
4 11	15 35.43	−31 2.3	1.626	2.485	14.7	20.0
4 21	15 27.83	−32 4.9	1.558	2.484	11.4	19.7
5 1	15 17.60	−32 50.7	1.514	2.483	8.1	19.5
5 11	15 5.90	−33 16.4	1.494	2.482	6.2	19.4
5 21	14 54.13	−33 21.8	1.500	2.482	7.4	19.5
5 31	14 43.80	−33 10.5	1.532	2.481	10.5	19.7
6 10	14 36.04	−32 49.4	1.586	2.481	13.9	19.9

24969 Lucafini 5 9.8 228°.84 7°.6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.68	+ 0 45.0	2.024	2.838	13.9	18.6
4 11	15 28.65	+ 2 0.2	1.944	2.831	11.4	18.4
4 21	15 22.51	+ 3 12.1	1.887	2.823	9.1	18.2
5 1	15 14.80	+ 4 13.9	1.855	2.816	7.6	18.1
5 11	15 6.32	+ 4 59.6	1.849	2.807	8.1	18.1
5 21	14 57.97	+ 5 25.0	1.869	2.799	10.0	18.2
5 31	14 50.61	+ 5 27.9	1.913	2.790	12.6	18.4
6 10	14 44.93	+ 5 8.9	1.977	2.781	15.2	18.5

499581 2010 TK_{17} 5 9.8 234°.55 2°.3/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.93	−24 48.1	1.864	2.653	15.9	22.6
4 11	15 32.64	−24 51.1	1.764	2.642	12.9	22.4
4 21	15 25.61	−24 41.2	1.684	2.631	9.2	22.1
5 1	15 16.44	−24 17.6	1.629	2.619	5.2	21.9
5 11	15 6.10	−23 41.4	1.600	2.607	2.3	21.7
5 21	14 55.76	−22 56.0	1.598	2.594	5.2	21.8
5 31	14 46.63	−22 6.7	1.623	2.580	9.4	22.0
6 10	14 39.65	−21 20.1	1.672	2.567	13.3	22.2

73240 2002 JB_{36} 5 9.8 9°.91 1°.6/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.75	−17 49.9	1.374	2.209	18.2	19.5
4 11	15 29.00	−17 1.8	1.299	2.209	14.3	19.2
4 21	15 23.28	−16 0.5	1.244	2.210	9.7	18.9
5 1	15 15.31	−14 49.9	1.212	2.211	4.6	18.6
5 11	15 6.28	−13 36.4	1.204	2.212	2.1	18.5
5 21	14 57.52	−12 27.7	1.221	2.214	6.9	18.8
5 31	14 50.29	−11 31.3	1.262	2.217	11.8	19.1
6 10	14 45.51	−10 52.2	1.324	2.219	16.1	19.3

200256 1999 VQ_{225} 5 9.8 244.°60 2.°9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.29	−10 55.1	2.211	3.021	13.0	20.8
4 11	15 29.09	−10 22.3	2.112	3.008	10.2	20.6
4 21	15 22.83	− 9 46.0	2.036	2.994	7.1	20.3
5 1	15 14.98	− 9 9.1	1.986	2.980	3.9	20.1
5 11	15 6.32	− 8 35.4	1.965	2.966	3.2	20.0
5 21	14 57.69	− 8 8.4	1.971	2.951	6.0	20.2
5 31	14 49.94	− 7 51.5	2.004	2.936	9.4	20.4
6 10	14 43.78	− 7 46.6	2.061	2.920	12.6	20.5

141098 2001 XO_{52} 5 9.8 192.°13 2.°5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.99	−10 12.2	2.481	3.286	11.9	20.1
4 11	15 28.51	− 9 57.9	2.393	3.285	9.3	19.9
4 21	15 22.23	− 9 42.2	2.328	3.284	6.4	19.7
5 1	15 14.62	− 9 27.3	2.290	3.283	3.5	19.5
5 11	15 6.38	− 9 15.8	2.280	3.282	2.7	19.5
5 21	14 58.24	− 9 9.8	2.299	3.280	5.2	19.6
5 31	14 50.93	− 9 11.4	2.345	3.278	8.2	19.8
6 10	14 45.05	− 9 21.8	2.416	3.276	11.0	20.0

169596 2002 GY_{74} 5 9.8 328.°25 0.°4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.22	−19 11.6	1.181	2.028	19.7	19.8
4 11	15 27.90	−19 13.9	1.093	2.009	15.8	19.5
4 21	15 23.16	−19 4.3	1.024	1.990	11.0	19.1
5 1	15 15.54	−18 43.3	0.974	1.973	5.4	18.8
5 11	15 6.23	−18 14.0	0.947	1.957	0.8	18.4
5 21	14 56.81	−17 41.3	0.943	1.942	6.9	18.7
5 31	14 48.95	−17 12.1	0.960	1.928	12.7	19.0
6 10	14 43.95	−16 53.1	0.997	1.916	18.0	19.2

381559 2008 TG_{114} 5 9.8 221.°48 1.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.60	−15 27.7	2.166	2.971	13.4	21.5
4 11	15 29.37	−15 7.6	2.072	2.965	10.5	21.3
4 21	15 23.02	−14 41.6	2.001	2.959	7.1	21.1
5 1	15 15.07	−14 11.6	1.956	2.953	3.4	20.8
5 11	15 6.33	−13 40.4	1.939	2.947	1.5	20.7
5 21	14 57.67	−13 11.6	1.950	2.940	5.0	20.9
5 31	14 49.97	−12 48.7	1.987	2.933	8.7	21.1
6 10	14 43.94	−12 34.4	2.050	2.925	12.0	21.3

272929 2006 BN_{212} 5 9.8 103.°44 4.°2/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.91	−28 18.6	2.014	2.780	15.6	21.5
4 11	15 34.62	−29 0.1	1.937	2.796	12.8	21.3
4 21	15 26.72	−29 29.4	1.881	2.811	9.5	21.1
5 1	15 16.87	−29 44.0	1.849	2.826	6.2	21.0
5 11	15 6.09	−29 43.2	1.845	2.841	4.2	20.9
5 21	14 55.54	−29 28.7	1.868	2.855	5.5	21.0
5 31	14 46.30	−29 4.8	1.917	2.869	8.6	21.2
6 10	14 39.22	−28 37.0	1.992	2.883	11.7	21.4

244983 2004 BM_{93} 5 9.8 107.°46 1.°5/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.89	−14 57.6	2.327	3.130	12.6	21.3
4 11	15 28.42	−14 24.1	2.254	3.147	9.8	21.1
4 21	15 22.12	−13 45.4	2.205	3.163	6.6	20.9
5 1	15 14.54	−13 3.7	2.182	3.179	3.2	20.7
5 11	15 6.44	−12 22.7	2.188	3.194	1.8	20.6
5 21	14 58.58	−11 45.6	2.222	3.210	4.8	20.9
5 31	14 51.70	−11 15.7	2.284	3.224	8.0	21.1
6 10	14 46.36	−10 55.5	2.370	3.239	10.9	21.3

214660 2006 SV_{110} 5 9.8 283.°04 5.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.70	− 7 31.0	1.617	2.445	16.2	20.0
4 11	15 31.14	− 6 48.9	1.517	2.421	13.0	19.7
4 21	15 24.79	− 6 4.3	1.437	2.396	9.3	19.4
5 1	15 16.15	− 5 22.2	1.382	2.371	6.0	19.1
5 11	15 6.18	− 4 48.5	1.352	2.346	5.6	19.1
5 21	14 56.06	− 4 28.7	1.347	2.321	8.9	19.2
5 31	14 47.06	− 4 26.8	1.366	2.296	13.1	19.3
6 10	14 40.22	− 4 44.4	1.406	2.270	17.1	19.5

405537 2005 EQ_{328} 5 9.8 165.°91 0.°7/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.80	−21 12.6	2.072	2.858	14.6	23.0
4 11	15 33.50	−21 1.6	1.985	2.865	11.5	22.8
4 21	15 25.83	−20 40.6	1.920	2.870	8.0	22.6
5 1	15 16.41	−20 10.4	1.881	2.875	4.0	22.3
5 11	15 6.17	−19 33.0	1.870	2.879	0.8	22.1
5 21	14 56.13	−18 52.1	1.888	2.882	4.6	22.4
5 31	14 47.27	−18 12.4	1.933	2.884	8.5	22.6
6 10	14 40.34	−17 38.2	2.004	2.886	12.0	22.8

18127 Denversmith 5 9.8 174.°61 1.°9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.55	−15 37.8	1.868	2.677	15.1	18.9
4 11	15 31.91	−14 54.5	1.785	2.680	11.8	18.7
4 21	15 24.83	−14 2.8	1.723	2.682	8.0	18.5
5 1	15 15.95	−13 5.9	1.687	2.684	3.9	18.2
5 11	15 6.24	−12 8.4	1.678	2.685	2.2	18.1
5 21	14 56.74	−11 15.5	1.698	2.685	5.9	18.4
5 31	14 48.46	−10 32.2	1.743	2.685	10.0	18.6
6 10	14 42.16	−10 2.2	1.813	2.684	13.6	18.8

346173 2007 VU_{331} 5 9.8 229.°32 3.°0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.11	− 9 16.3	2.269	3.080	12.7	21.7
4 11	15 28.81	− 8 56.3	2.180	3.075	10.0	21.5
4 21	15 22.55	− 8 35.2	2.114	3.071	6.9	21.3
5 1	15 14.83	− 8 15.7	2.074	3.067	4.0	21.1
5 11	15 6.40	− 8 0.7	2.062	3.062	3.3	21.0
5 21	14 58.06	− 7 53.0	2.078	3.057	5.8	21.2
5 31	14 50.61	− 7 54.7	2.121	3.053	9.0	21.4
6 10	14 44.70	− 8 7.0	2.188	3.048	12.0	21.5

309875 2009 DJ_{105} 5 9.8 60.°08 0.°9/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.37	−17 57.0	1.334	2.164	18.9	21.3
4 11	15 31.74	−17 32.0	1.273	2.180	14.8	21.0
4 21	15 25.04	−16 56.1	1.232	2.195	10.0	20.8
5 1	15 16.10	−16 12.2	1.213	2.211	4.7	20.5
5 11	15 6.24	−15 25.1	1.218	2.228	1.3	20.3
5 21	14 56.84	−14 41.0	1.249	2.244	6.4	20.7
5 31	14 49.16	−14 5.6	1.304	2.261	11.2	21.0
6 10	14 44.06	−13 43.4	1.380	2.277	15.4	21.3

141074 2001 XA_{22} 5 9.8 181.°61 1.°4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.95	−13 10.3	2.907	3.701	10.6	20.2
4 11	15 28.22	−13 0.1	2.815	3.702	8.3	20.1
4 21	15 21.91	−12 47.1	2.747	3.702	5.6	19.9
5 1	15 14.46	−12 32.9	2.706	3.702	2.8	19.7
5 11	15 6.46	−12 19.3	2.695	3.701	1.6	19.6
5 21	14 58.55	−12 8.3	2.714	3.700	4.1	19.8
5 31	14 51.36	−12 1.9	2.761	3.699	6.9	20.0
6 10	14 45.39	−12 1.8	2.834	3.697	9.5	20.1

300187 2006 WK_{65} 5 9.8 219.°46 1.°4/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.40	−21 58.9	2.649	3.427	11.9	21.7
4 11	15 29.72	−22 13.1	2.547	3.421	9.5	21.5
4 21	15 23.14	−22 20.4	2.468	3.414	6.7	21.3
5 1	15 15.12	−22 20.4	2.416	3.407	3.6	21.1
5 11	15 6.36	−22 13.9	2.392	3.400	1.4	20.9
5 21	14 57.61	−22 2.6	2.398	3.392	3.8	21.1
5 31	14 49.66	−21 48.9	2.432	3.385	6.9	21.3
6 10	14 43.15	−21 36.0	2.492	3.377	9.9	21.5

461817 2006 AH_{42} 5 9.8 170.°51 1.°2/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.98	−16 58.6	1.729	2.538	16.1	22.6
4 11	15 33.27	−16 31.0	1.647	2.541	12.7	22.4
4 21	15 25.89	−15 54.5	1.586	2.545	8.6	22.1
5 1	15 16.50	−15 11.3	1.550	2.547	4.1	21.9
5 11	15 6.17	−14 25.4	1.540	2.549	1.5	21.7
5 21	14 56.06	−13 41.7	1.558	2.550	5.8	22.0
5 31	14 47.29	−13 5.3	1.603	2.551	10.2	22.2
6 10	14 40.71	−12 40.3	1.670	2.550	14.1	22.4

213459 2002 CX_{172} 5 9.8 138.°74 5.°6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.10	+ 2 23.7	2.966	3.761	10.4	21.2
4 11	15 26.59	+ 3 13.6	2.900	3.773	8.5	21.1
4 21	15 20.68	+ 3 58.7	2.857	3.784	6.8	21.0
5 1	15 13.82	+ 4 35.2	2.842	3.795	5.7	20.9
5 11	15 6.56	+ 4 59.9	2.855	3.806	5.9	20.9
5 21	14 59.47	+ 5 10.9	2.895	3.816	7.3	21.0
5 31	14 53.11	+ 5 7.2	2.961	3.825	9.0	21.2
6 10	14 47.90	+ 4 49.2	3.050	3.834	10.8	21.3

62039 2000 RZ_{63} 5 9.8 241.°46 1.°0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.72	−22 43.3	2.675	3.457	11.8	19.6
4 11	15 27.61	−22 28.3	2.568	3.444	9.4	19.5
4 21	15 21.70	−22 4.0	2.483	3.431	6.5	19.2
5 1	15 14.43	−21 31.2	2.425	3.418	3.4	19.0
5 11	15 6.47	−20 51.5	2.395	3.404	1.0	18.8
5 21	14 58.55	−20 7.8	2.395	3.390	3.7	19.0
5 31	14 51.40	−19 23.8	2.423	3.376	6.9	19.2
6 10	14 45.63	−18 43.2	2.477	3.361	9.9	19.3

34078 2000 PF 5 9.8 286.°67 8.°0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.00	−38 23.6	1.871	2.608	17.6	18.5
4 11	15 32.59	−38 59.9	1.760	2.585	15.3	18.2
4 21	15 26.02	−39 16.6	1.666	2.562	12.7	18.0
5 1	15 16.83	−39 8.2	1.594	2.539	10.0	17.8
5 11	15 6.11	−38 32.0	1.545	2.516	8.2	17.6
5 21	14 55.25	−37 28.6	1.522	2.492	8.5	17.6
5 31	14 45.72	−36 3.8	1.523	2.469	10.8	17.7
6 10	14 38.72	−34 27.4	1.547	2.445	14.0	17.8

224 Oceana 5 9.8 314.°67 3.°2/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.89	−25 47.0	1.785	2.577	16.3	12.8
4 11	15 31.13	−26 9.7	1.695	2.573	13.3	12.6
4 21	15 24.64	−26 20.2	1.625	2.569	9.7	12.3
5 1	15 16.00	−26 16.7	1.579	2.566	5.8	12.1
5 11	15 6.25	−25 59.6	1.559	2.562	3.2	11.9
5 21	14 56.56	−25 31.4	1.565	2.559	5.4	12.0
5 31	14 48.14	−24 57.1	1.596	2.556	9.3	12.3
6 10	14 41.92	−24 22.5	1.651	2.553	13.1	12.5

222837 2002 EG_{30} 5 9.8 75°.73 4°.3/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.75	− 8 57.3	1.773	2.596	15.2	20.2
4 11	15 29.57	− 8 6.7	1.712	2.614	11.8	20.0
4 21	15 23.12	− 7 14.3	1.673	2.632	8.2	19.8
5 1	15 15.07	− 6 24.8	1.659	2.649	5.0	19.6
5 11	15 6.40	− 5 43.4	1.671	2.667	4.6	19.6
5 21	14 58.09	− 5 14.4	1.710	2.685	7.4	19.8
5 31	14 51.04	− 5 0.4	1.775	2.702	10.7	20.1
6 10	14 45.90	− 5 2.4	1.861	2.719	13.8	20.3

390021 2012 UN_{29} 5 9.8 145°.57 4°.5/ 6.5 17

4 1	15 32.61	− 4 53.3	2.350	3.160	12.3	21.6
4 11	15 28.22	− 4 14.4	2.273	3.165	9.8	21.4
4 21	15 22.02	− 3 36.7	2.220	3.170	7.1	21.3
5 1	15 14.54	− 3 4.0	2.193	3.175	4.9	21.1
5 11	15 6.47	− 2 39.9	2.194	3.180	4.8	21.1
5 21	14 58.58	− 2 27.2	2.223	3.184	6.8	21.3
5 31	14 51.59	− 2 27.7	2.278	3.188	9.5	21.4
6 10	14 46.07	− 2 41.8	2.356	3.192	12.1	21.6

36467 2000 QV_{22} 5 9.8 161°.45 5°.5/13.1 17

4 1	15 39.64	−31 53.4	1.736	2.501	17.7	20.0
4 11	15 35.07	−32 20.7	1.651	2.505	14.8	19.8
4 21	15 27.40	−32 30.5	1.584	2.509	11.4	19.6
5 1	15 17.33	−32 19.6	1.541	2.512	7.9	19.4
5 11	15 6.08	−31 47.1	1.523	2.515	5.6	19.3
5 21	14 55.03	−30 56.2	1.531	2.517	6.6	19.3
5 31	14 45.52	−29 53.3	1.564	2.519	9.9	19.5
6 10	14 38.56	−28 47.1	1.621	2.520	13.4	19.7

102922 1999 XA_{30} 5 9.8 52°.57 4°.6/ 7.4 18

4 1	15 34.40	− 8 46.7	1.479	2.313	17.1	19.0
4 11	15 30.71	− 8 7.3	1.412	2.320	13.5	18.8
4 21	15 24.25	− 7 26.1	1.365	2.326	9.4	18.5
5 1	15 15.75	− 6 48.1	1.341	2.333	5.7	18.3
5 11	15 6.33	− 6 18.9	1.342	2.340	5.0	18.3
5 21	14 57.21	− 6 3.0	1.368	2.347	8.2	18.5
5 31	14 49.54	− 6 3.4	1.418	2.355	12.2	18.8
6 10	14 44.15	− 6 20.7	1.490	2.362	15.9	19.0

132418 2002 GY_{132} 5 9.8 256°.86 2°.3/11.1 18

4 1	15 35.11	−23 50.8	1.951	2.742	15.2	20.3
4 11	15 31.02	−24 6.8	1.858	2.738	12.2	20.1
4 21	15 24.42	−24 12.5	1.787	2.734	8.7	19.8
5 1	15 15.87	−24 6.9	1.739	2.729	4.9	19.6
5 11	15 6.31	−23 50.8	1.719	2.725	2.3	19.4
5 21	14 56.81	−23 26.7	1.725	2.721	4.9	19.6
5 31	14 48.44	−22 58.7	1.759	2.716	8.7	19.8
6 10	14 42.07	−22 31.8	1.816	2.712	12.3	20.0

106492 2000 WJ_{28} 5 9.8 165°.34 3°.1/ 7.0 18

4 1	15 29.93	− 9 47.9	2.576	3.386	11.4	19.9
4 11	15 26.04	− 8 59.9	2.493	3.388	8.9	19.7
4 21	15 20.51	− 8 9.2	2.433	3.390	6.1	19.6
5 1	15 13.83	− 7 19.3	2.401	3.392	3.7	19.4
5 11	15 6.62	− 6 33.8	2.397	3.393	3.4	19.4
5 21	14 59.54	− 5 56.1	2.422	3.395	5.6	19.5
5 31	14 53.25	− 5 29.0	2.473	3.396	8.3	19.7
6 10	14 48.27	− 5 14.0	2.549	3.397	10.9	19.9

228495 2001 SA_{266} 5 9.8 186°.05 2°.4/ 7.8 18

4 1	15 33.60	−14 28.8	2.183	2.989	13.3	21.3
4 11	15 29.25	−13 28.0	2.094	2.989	10.4	21.1
4 21	15 22.86	−12 19.6	2.030	2.988	7.0	20.9
5 1	15 15.00	−11 7.3	1.992	2.987	3.6	20.7
5 11	15 6.46	− 9 55.9	1.982	2.986	2.7	20.6
5 21	14 58.09	− 8 50.6	2.001	2.983	5.8	20.8
5 31	14 50.71	− 7 56.2	2.048	2.980	9.2	21.0
6 10	14 44.98	− 7 15.8	2.119	2.977	12.4	21.2

168038 2005 JC_{178} 5 9.8 317°.97 0°.2/ 9.9 17

4 1	15 32.37	−19 9.4	1.989	2.796	14.4	20.3
4 11	15 28.70	−19 5.3	1.899	2.791	11.4	20.1
4 21	15 22.74	−18 53.2	1.829	2.786	7.8	19.9
5 1	15 15.04	−18 34.0	1.785	2.782	3.8	19.6
5 11	15 6.45	−18 9.8	1.768	2.777	0.5	19.4
5 21	14 57.96	−17 43.8	1.777	2.773	4.7	19.7
5 31	14 50.51	−17 19.8	1.814	2.769	8.7	19.9
6 10	14 44.87	−17 1.7	1.874	2.765	12.3	20.1

512053 2015 MK_{93} 5 9.8 314°.36 5°.0/ 6.5 18

4 1	15 31.24	− 4 55.6	2.021	2.842	13.6	20.6
4 11	15 27.63	− 4 19.9	1.934	2.832	10.9	20.4
4 21	15 21.92	− 3 45.3	1.869	2.822	7.9	20.2
5 1	15 14.62	− 3 16.2	1.829	2.813	5.5	20.0
5 11	15 6.52	− 2 56.8	1.816	2.804	5.3	20.0
5 21	14 58.49	− 2 50.5	1.829	2.794	7.7	20.1
5 31	14 51.41	− 2 59.4	1.867	2.786	10.8	20.3
6 10	14 45.99	− 3 23.7	1.927	2.777	13.8	20.4

233380 2006 DJ_{212} 5 9.8 171°.84 1°.9/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.01	−24 26.3	2.200	2.982	14.0	21.3
4 11	15 30.54	−24 26.2	2.110	2.984	11.2	21.1
4 21	15 23.86	−24 15.3	2.041	2.986	8.0	20.9
5 1	15 15.53	−23 53.2	1.998	2.987	4.4	20.7
5 11	15 6.40	−23 21.5	1.982	2.988	1.9	20.5
5 21	14 57.40	−22 43.2	1.994	2.989	4.3	20.7
5 31	14 49.46	−22 2.6	2.034	2.990	7.9	20.9
6 10	14 43.31	−21 24.5	2.099	2.990	11.1	21.1

51344 2000 QA_{127} 5 9.8 239°.65 1°.0/11.2 18

4 1	15 24.88	−23 57.5	4.547	5.314	7.5	19.6
4 11	15 21.54	−23 52.4	4.445	5.311	5.9	19.4
4 21	15 17.21	−23 41.8	4.367	5.309	4.2	19.3
5 1	15 12.20	−23 26.2	4.317	5.306	2.3	19.2
5 11	15 6.86	−23 6.5	4.296	5.303	1.0	19.0
5 21	15 1.57	−22 43.9	4.306	5.300	2.3	19.1
5 31	14 56.70	−22 20.2	4.344	5.297	4.1	19.3
6 10	14 52.57	−21 57.1	4.409	5.294	5.9	19.4

115803 2003 UY_{237} 5 9.8 35°.27 4°.1/ 7.9 17

4 1	15 35.72	− 9 16.6	1.477	2.308	17.3	19.5
4 11	15 31.86	− 8 53.4	1.404	2.310	13.6	19.2
4 21	15 25.14	− 8 28.6	1.351	2.312	9.5	19.0
5 1	15 16.24	− 8 6.6	1.321	2.315	5.4	18.8
5 11	15 6.30	− 7 51.8	1.316	2.317	4.4	18.7
5 21	14 56.59	− 7 48.1	1.337	2.320	7.8	18.9
5 31	14 48.32	− 7 58.3	1.381	2.323	12.1	19.2
6 10	14 42.40	− 8 23.1	1.447	2.326	16.0	19.4

157266 2004 RD_{194} 5 9.8 17°.69 2°.5/ 7.9 18

4 1	15 30.62	−16 15.9	1.705	2.530	15.6	19.3
4 11	15 27.49	−15 3.6	1.626	2.531	12.2	19.1
4 21	15 21.95	−13 39.9	1.569	2.532	8.2	18.9
5 1	15 14.64	−12 9.7	1.536	2.534	4.1	18.6
5 11	15 6.53	−10 39.9	1.531	2.536	2.9	18.5
5 21	14 58.67	− 9 17.6	1.552	2.538	6.6	18.8
5 31	14 52.03	− 8 9.6	1.599	2.540	10.7	19.0
6 10	14 47.37	− 7 19.8	1.668	2.543	14.4	19.2

160138 2001 CT_{35} 5 9.8 322°.27 16°.6/11.8 18

4 1	15 50.08	−37 33.1	1.073	1.846	26.0	18.8
4 11	15 47.15	−40 55.4	0.999	1.840	23.2	18.5
4 21	15 38.47	−44 7.9	0.942	1.835	20.2	18.3
5 1	15 23.96	−46 52.7	0.903	1.829	17.7	18.1
5 11	15 5.10	−48 50.9	0.883	1.825	16.6	18.0
5 21	14 44.93	−49 51.2	0.883	1.820	17.4	18.0
5 31	14 27.29	−49 56.1	0.902	1.816	19.7	18.2
6 10	14 15.14	−49 21.9	0.937	1.813	22.7	18.3

338696 2003 US_{15} 5 9.8 224°.32 0°.3/ 9.6 18

4 1	15 34.47	−17 45.9	2.628	3.416	11.8	21.9
4 11	15 29.75	−17 34.5	2.521	3.404	9.3	21.7
4 21	15 23.17	−17 17.1	2.438	3.392	6.3	21.5
5 1	15 15.18	−16 54.5	2.383	3.379	3.0	21.2
5 11	15 6.45	−16 28.7	2.356	3.365	0.6	21.0
5 21	14 57.74	−16 2.3	2.359	3.351	4.0	21.3
5 31	14 49.80	−15 38.2	2.390	3.336	7.4	21.4
6 10	14 43.26	−15 19.4	2.447	3.321	10.4	21.6

412039 2013 CT_{173} 5 9.8 78°.53 4°.0/ 7.7 14 C

4 1	15 35.04	−12 7.9	1.342	2.179	18.4	21.6
4 11	15 31.50	−11 15.3	1.276	2.187	14.4	21.3
4 21	15 24.94	−10 16.0	1.230	2.195	9.8	21.1
5 1	15 16.13	− 9 15.6	1.207	2.202	5.4	20.9
5 11	15 6.33	− 8 21.0	1.208	2.210	4.4	20.8
5 21	14 56.90	− 7 38.8	1.234	2.218	8.2	21.1
5 31	14 49.09	− 7 13.8	1.283	2.226	12.7	21.3
6 10	14 43.78	− 7 8.3	1.353	2.233	16.7	21.6

373401 1995 SS_{47} 5 9.8 168°.46 1°.3/10.8 17

4 1	15 36.24	−22 47.1	2.564	3.338	12.4	22.1
4 11	15 31.12	−22 49.1	2.472	3.343	9.9	21.9
4 21	15 24.06	−22 42.6	2.403	3.347	6.9	21.7
5 1	15 15.57	−22 27.6	2.360	3.351	3.7	21.5
5 11	15 6.41	−22 5.4	2.346	3.354	1.3	21.4
5 21	14 57.37	−21 38.3	2.362	3.357	3.8	21.6
5 31	14 49.24	−21 9.6	2.406	3.358	7.0	21.8
6 10	14 42.67	−20 42.9	2.477	3.359	10.0	21.9

389270 2009 GW_{4} 5 9.8 10°.95 8°.1/ 4.1 18

4 1	15 30.80	+ 3 57.8	2.034	2.847	13.8	20.0
4 11	15 27.13	+ 4 57.3	1.967	2.849	11.5	19.8
4 21	15 21.45	+ 5 49.4	1.922	2.850	9.4	19.7
5 1	15 14.34	+ 6 28.0	1.901	2.852	8.2	19.6
5 11	15 6.58	+ 6 48.2	1.905	2.854	8.5	19.7
5 21	14 59.03	+ 6 47.1	1.934	2.856	10.2	19.8
5 31	14 52.47	+ 6 24.2	1.986	2.859	12.4	19.9
6 10	14 47.54	+ 5 41.2	2.059	2.861	14.7	20.1

280347 2003 SB_{228} 5 9.8 242.°65 0.°3/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.10	−20 25.2	2.163	2.960	13.7	21.1
4 11	15 29.12	−20 8.6	2.065	2.951	10.8	20.9
4 21	15 22.95	−19 42.6	1.988	2.942	7.5	20.7
5 1	15 15.14	−19 8.2	1.937	2.933	3.7	20.4
5 11	15 6.47	−18 27.8	1.913	2.923	0.5	20.1
5 21	14 57.87	−17 44.9	1.918	2.913	4.5	20.4
5 31	14 50.23	−17 4.0	1.950	2.903	8.3	20.6
6 10	14 44.30	−16 29.4	2.006	2.892	11.8	20.8

425948 2011 GZ_{78} 5 9.8 74.°08 5.°3/ 5.6 17

4 1	15 31.06	− 8 26.7	1.789	2.618	14.8	20.8
4 11	15 27.58	− 6 56.6	1.720	2.624	11.7	20.6
4 21	15 21.87	− 5 22.4	1.673	2.631	8.3	20.4
5 1	15 14.56	− 3 51.0	1.652	2.638	5.7	20.3
5 11	15 6.57	− 2 29.6	1.658	2.645	5.8	20.3
5 21	14 58.86	− 1 24.6	1.690	2.652	8.5	20.4
5 31	14 52.30	− 0 40.1	1.747	2.659	11.8	20.7
6 10	14 47.58	− 0 17.4	1.825	2.666	14.8	20.9

240246 2002 UW_{16} 5 9.8 188.°86 4.°0/ 6.2 18

4 1	15 31.21	− 6 42.9	2.574	3.382	11.4	21.0
4 11	15 27.04	− 5 49.0	2.489	3.382	9.0	20.8
4 21	15 21.22	− 4 54.0	2.429	3.380	6.5	20.7
5 1	15 14.20	− 4 1.8	2.395	3.379	4.4	20.5
5 11	15 6.62	− 3 16.4	2.390	3.377	4.3	20.5
5 21	14 59.17	− 2 41.2	2.413	3.374	6.4	20.6
5 31	14 52.50	− 2 18.7	2.463	3.371	9.0	20.8
6 10	14 47.16	− 2 10.1	2.537	3.368	11.4	21.0

248603 2006 DB_{43} 5 9.8 312.°29 2.°2/ 6.9 18

4 1	15 23.69	− 7 59.2	4.277	5.080	7.3	20.9
4 11	15 20.60	− 7 30.2	4.186	5.078	5.7	20.8
4 21	15 16.58	− 7 0.8	4.121	5.075	4.0	20.7
5 1	15 11.91	− 6 32.7	4.084	5.072	2.5	20.6
5 11	15 6.94	− 6 7.8	4.076	5.069	2.3	20.5
5 21	15 2.02	− 5 47.6	4.097	5.066	3.7	20.6
5 31	14 57.52	− 5 33.6	4.147	5.063	5.4	20.8
6 10	14 53.73	− 5 26.7	4.221	5.060	7.1	20.9

307027 2001 XL_{129} 5 9.8 249.°66 0.°4/10.1 16

4 1	15 36.69	−21 5.8	1.689	2.494	16.6	21.8
4 11	15 32.74	−20 46.3	1.587	2.477	13.3	21.5
4 21	15 25.90	−20 13.8	1.505	2.460	9.3	21.3
5 1	15 16.73	−19 28.9	1.447	2.443	4.6	20.9
5 11	15 6.26	−18 34.5	1.415	2.425	0.7	20.6
5 21	14 55.73	−17 35.7	1.410	2.406	5.6	20.9
5 31	14 46.44	−16 39.1	1.431	2.387	10.5	21.1
6 10	14 39.43	−15 51.2	1.475	2.367	14.9	21.3

231346 Taofanlin 5 9.8 80.°44 0.°0/ 9.7 17

4 1	15 35.28	−18 25.3	1.887	2.693	15.1	20.7
4 11	15 30.85	−18 19.1	1.816	2.708	11.8	20.5
4 21	15 24.08	−18 5.1	1.767	2.724	8.0	20.3
5 1	15 15.62	−17 44.7	1.742	2.739	3.8	20.0
5 11	15 6.43	−17 20.2	1.744	2.754	0.5	19.8
5 21	14 57.54	−16 55.2	1.775	2.769	4.8	20.2
5 31	14 49.88	−16 33.4	1.831	2.785	8.8	20.4
6 10	14 44.18	−16 18.3	1.912	2.800	12.2	20.7

41754 2000 VS_{31} 5 9.8 158.°82 0.°4/ 9.4 18

4 1	15 31.96	−16 58.2	3.173	3.959	10.0	20.1
4 11	15 27.32	−16 46.1	3.084	3.966	7.8	20.0
4 21	15 21.26	−16 29.5	3.019	3.972	5.3	19.8
5 1	15 14.18	−16 9.4	2.982	3.978	2.5	19.6
5 11	15 6.63	−15 47.6	2.975	3.984	0.6	19.5
5 21	14 59.20	−15 26.1	2.998	3.989	3.4	19.7
5 31	14 52.45	−15 7.2	3.050	3.994	6.1	19.9
6 10	14 46.84	−14 52.8	3.128	3.998	8.5	20.1

497415 2005 WU_{103} 5 9.8 99.°34 3.°0/12.2 17

4 1	15 37.25	−29 19.1	2.058	2.824	15.3	21.5
4 11	15 32.25	−29 1.6	1.987	2.847	12.4	21.3
4 21	15 24.91	−28 28.1	1.936	2.870	9.0	21.1
5 1	15 15.96	−27 38.7	1.910	2.892	5.5	21.0
5 11	15 6.40	−26 36.0	1.912	2.914	3.1	20.8
5 21	14 57.25	−25 24.5	1.942	2.935	4.7	21.0
5 31	14 49.45	−24 10.5	2.000	2.956	7.9	21.2
6 10	14 43.64	−23 0.4	2.083	2.976	11.1	21.5

182746 2001 XV_{105} 5 9.8 298.°53 1.°9/11.7 18

4 1	15 29.71	−25 57.1	4.248	5.000	8.2	19.3
4 11	15 25.41	−26 23.7	4.140	4.994	6.6	19.2
4 21	15 19.92	−26 44.8	4.056	4.987	4.8	19.0
5 1	15 13.55	−27 0.1	4.000	4.980	3.0	18.9
5 11	15 6.72	−27 9.6	3.974	4.973	1.9	18.8
5 21	14 59.87	−27 13.8	3.978	4.967	2.8	18.9
5 31	14 53.46	−27 14.1	4.011	4.960	4.6	19.0
6 10	14 47.91	−27 12.1	4.072	4.953	6.4	19.1

139847 2001 RN_{53} 5 9.8 178.°28 1.°0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.24	−14 56.3	2.709	3.503	11.3	20.4
4 11	15 28.60	−14 44.0	2.617	3.505	8.8	20.2
4 21	15 22.27	−14 27.6	2.550	3.506	6.0	20.0
5 1	15 14.71	−14 8.6	2.510	3.506	2.9	19.8
5 11	15 6.56	−13 49.1	2.498	3.506	1.2	19.7
5 21	14 58.51	−13 31.3	2.517	3.506	4.1	19.9
5 31	14 51.24	−13 17.7	2.563	3.505	7.2	20.1
6 10	14 45.31	−13 10.3	2.635	3.504	9.9	20.3

274731 2008 US_{189} 5 9.8 271.°27 0.°7/10.2 17

4 1	15 34.20	−20 11.2	1.910	2.713	15.0	21.2
4 11	15 30.33	−20 11.9	1.814	2.704	11.9	21.0
4 21	15 23.99	−20 3.6	1.739	2.694	8.3	20.7
5 1	15 15.71	−19 46.9	1.689	2.685	4.1	20.5
5 11	15 6.41	−19 23.5	1.666	2.675	0.8	20.2
5 21	14 57.14	−18 56.5	1.670	2.666	4.9	20.5
5 31	14 48.96	−18 30.2	1.700	2.656	9.1	20.7
6 10	14 42.73	−18 8.9	1.754	2.647	12.9	20.9

521123 2015 DL_{247} 5 9.8 322.°76 0.°5/10.1 17

4 1	15 30.95	−21 30.6	1.768	2.580	15.7	21.7
4 11	15 27.92	−21 7.4	1.678	2.572	12.5	21.4
4 21	15 22.39	−20 31.6	1.608	2.565	8.6	21.2
5 1	15 14.94	−19 44.4	1.562	2.558	4.3	20.9
5 11	15 6.53	−18 49.3	1.542	2.551	0.7	20.6
5 21	14 58.22	−17 51.3	1.548	2.545	5.1	20.9
5 31	14 51.10	−16 56.5	1.581	2.539	9.5	21.1
6 10	14 45.98	−16 10.3	1.636	2.533	13.4	21.4

519268 2011 AP_{82} 5 9.8 13.°33 9.°6/15.2 17

4 1	15 36.17	−38 9.5	1.526	2.282	20.2	20.8
4 11	15 33.21	−39 23.3	1.449	2.284	17.5	20.6
4 21	15 26.66	−40 16.2	1.389	2.287	14.5	20.4
5 1	15 17.21	−40 41.6	1.348	2.291	11.7	20.3
5 11	15 6.21	−40 35.8	1.330	2.295	9.8	20.2
5 21	14 55.34	−39 59.7	1.335	2.300	10.0	20.2
5 31	14 46.27	−38 59.9	1.362	2.305	12.1	20.3
6 10	14 40.22	−37 46.7	1.411	2.311	14.9	20.5

200117 1996 AU_{7} 5 9.8 286.°52 2.°0/ 8.6 18

4 1	15 32.98	−13 24.3	1.915	2.731	14.5	20.8
4 11	15 29.23	−13 5.7	1.823	2.723	11.4	20.6
4 21	15 23.15	−12 42.3	1.753	2.714	7.8	20.3
5 1	15 15.28	−12 16.6	1.708	2.705	3.9	20.1
5 11	15 6.49	−11 51.9	1.690	2.696	2.3	20.0
5 21	14 57.76	−11 31.9	1.699	2.687	5.8	20.2
5 31	14 50.07	−11 19.9	1.734	2.679	9.8	20.4
6 10	14 44.21	−11 18.5	1.791	2.670	13.4	20.6

249388 2009 BB_{85} 5 9.8 338.°82 1.°1/10.3 17

4 1	15 31.10	−21 35.3	1.224	2.060	19.8	20.1
4 11	15 29.19	−21 29.8	1.144	2.052	15.9	19.8
4 21	15 23.90	−21 9.2	1.082	2.045	11.1	19.5
5 1	15 15.87	−20 33.8	1.041	2.038	5.6	19.2
5 11	15 6.40	−19 47.1	1.023	2.033	1.2	18.9
5 21	14 57.04	−18 55.0	1.028	2.028	6.4	19.2
5 31	14 49.35	−18 5.6	1.056	2.023	12.0	19.5
6 10	14 44.46	−17 26.4	1.104	2.020	16.9	19.7

283478 2001 QR_{327} 5 9.8 159.°29 4.°5/13.4 17

4 1	15 38.49	−33 12.9	2.400	3.137	14.1	21.6
4 11	15 33.21	−33 21.2	2.309	3.145	11.8	21.4
4 21	15 25.63	−33 14.4	2.239	3.152	9.1	21.3
5 1	15 16.38	−32 50.5	2.194	3.158	6.3	21.1
5 11	15 6.36	−32 10.1	2.176	3.164	4.5	21.0
5 21	14 56.55	−31 15.7	2.186	3.169	5.2	21.0
5 31	14 47.89	−30 12.3	2.225	3.174	7.7	21.2
6 10	14 41.12	−29 6.1	2.289	3.177	10.5	21.4

162668 2000 SM_{268} 5 9.8 178.°12 1.°5/ 8.9 16

4 1	15 37.85	−15 17.7	1.999	2.800	14.5	21.6
4 11	15 32.83	−14 53.1	1.912	2.803	11.4	21.3
4 21	15 25.45	−14 22.0	1.847	2.805	7.7	21.1
5 1	15 16.33	−13 46.6	1.809	2.806	3.7	20.9
5 11	15 6.36	−13 10.3	1.798	2.806	1.8	20.7
5 21	14 56.56	−12 37.0	1.816	2.805	5.4	21.0
5 31	14 47.90	−12 10.7	1.861	2.804	9.4	21.2
6 10	14 41.14	−11 54.3	1.930	2.801	12.9	21.4

437822 2015 DE_{165} 5 9.8 127.°89 1.°4/ 8.9 17

4 1	15 33.14	−15 43.3	1.971	2.782	14.3	21.8
4 11	15 29.17	−15 17.8	1.888	2.785	11.2	21.6
4 21	15 22.98	−14 45.6	1.828	2.788	7.6	21.4
5 1	15 15.14	−14 9.1	1.793	2.790	3.6	21.1
5 11	15 6.53	−13 31.7	1.785	2.793	1.6	21.0
5 21	14 58.09	−12 57.5	1.805	2.796	5.3	21.2
5 31	14 50.75	−12 30.3	1.851	2.798	9.1	21.5
6 10	14 45.21	−12 13.1	1.921	2.800	12.5	21.7

35900 1999 JH_{88} 5 9.8 22°.29 8°.1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.66	− 2 15.0	1.234	2.079	19.2	18.6
4 11	15 31.41	− 1 27.5	1.173	2.082	15.5	18.4
4 21	15 25.01	− 0 45.3	1.131	2.087	11.6	18.2
5 1	15 16.23	− 0 16.2	1.110	2.092	8.6	18.0
5 11	15 6.38	− 0 7.0	1.113	2.097	8.5	18.0
5 21	14 56.87	− 0 21.6	1.138	2.103	11.3	18.2
5 31	14 49.05	− 1 0.6	1.184	2.110	15.0	18.4
6 10	14 43.82	− 2 1.2	1.250	2.117	18.7	18.7

73110 2002 GT_{38} 5 9.8 319°.59 3°.7/ 7.7 17

4 1	15 28.24	−14 6.7	1.233	2.086	18.7	19.6
4 11	15 26.88	−13 13.7	1.143	2.064	14.8	19.3
4 21	15 22.34	−12 8.1	1.072	2.042	10.2	19.0
5 1	15 15.17	−10 55.2	1.023	2.021	5.4	18.6
5 11	15 6.50	− 9 42.5	0.996	2.001	4.2	18.5
5 21	14 57.75	− 8 39.2	0.993	1.982	8.8	18.7
5 31	14 50.42	− 7 53.4	1.011	1.964	14.1	18.9
6 10	14 45.69	− 7 30.5	1.048	1.946	19.0	19.1

207936 4511 *P–L* 5 9.8 188°.74 3°.1/ 7.8 16

4 1	15 36.74	−12 28.7	1.804	2.618	15.3	21.9
4 11	15 32.19	−11 40.8	1.720	2.617	12.0	21.7
4 21	15 25.14	−10 46.7	1.657	2.616	8.2	21.5
5 1	15 16.22	− 9 50.3	1.620	2.615	4.5	21.2
5 11	15 6.40	− 8 56.9	1.610	2.612	3.5	21.2
5 21	14 56.75	− 8 11.6	1.627	2.609	6.9	21.4
5 31	14 48.32	− 7 39.1	1.671	2.605	10.8	21.6
6 10	14 41.91	− 7 22.0	1.737	2.601	14.4	21.8

188053 2001 VM_{83} 5 9.8 232°.11 0°.3/ 9.3 18

4 1	15 23.90	−18 16.8	4.736	5.521	6.9	20.4
4 11	15 20.70	−17 39.8	4.634	5.517	5.4	20.3
4 21	15 16.62	−16 58.5	4.558	5.512	3.6	20.1
5 1	15 11.94	−16 14.0	4.511	5.508	1.7	20.0
5 11	15 6.99	−15 28.2	4.494	5.503	0.5	19.9
5 21	15 2.10	−14 42.9	4.508	5.498	2.4	20.0
5 31	14 57.60	−13 59.9	4.551	5.494	4.3	20.2
6 10	14 53.79	−13 21.1	4.622	5.489	6.0	20.3

93743 2000 VX_{56} 5 9.8 204°.93 3°.0/12.2 18

4 1	15 33.99	−29 13.9	2.032	2.805	15.2	19.2
4 11	15 30.04	−28 53.7	1.938	2.803	12.4	19.0
4 21	15 23.67	−28 16.7	1.865	2.801	9.1	18.8
5 1	15 15.51	−27 22.6	1.816	2.799	5.6	18.6
5 11	15 6.50	−26 13.3	1.794	2.797	3.0	18.4
5 21	14 57.68	−24 53.8	1.800	2.794	4.8	18.5
5 31	14 50.06	−23 30.5	1.833	2.792	8.4	18.7
6 10	14 44.39	−22 10.7	1.891	2.789	11.8	18.9

501949 2014 YV_{3} 5 9.8 151°.19 3°.7/ 7.5 17 R

4 1	15 34.61	− 9 31.2	1.883	2.700	14.6	21.4
4 11	15 30.35	− 8 55.0	1.805	2.704	11.5	21.1
4 21	15 23.78	− 8 16.5	1.749	2.707	8.0	20.9
5 1	15 15.54	− 7 39.5	1.718	2.710	4.7	20.7
5 11	15 6.50	− 7 8.4	1.714	2.713	4.0	20.7
5 21	14 57.66	− 6 47.1	1.738	2.716	6.9	20.9
5 31	14 49.96	− 6 38.5	1.786	2.718	10.4	21.1
6 10	14 44.13	− 6 43.9	1.858	2.720	13.7	21.3

286993 2002 QK_{54} 5 9.8 302°.02 1°.5/10.6 17

4 1	15 32.82	−22 8.1	1.465	2.285	18.0	21.4
4 11	15 30.25	−22 8.4	1.365	2.264	14.5	21.1
4 21	15 24.54	−21 55.4	1.285	2.243	10.3	20.8
5 1	15 16.22	−21 28.6	1.226	2.222	5.4	20.4
5 11	15 6.38	−20 49.9	1.192	2.201	1.5	20.1
5 21	14 56.38	−20 3.7	1.183	2.181	6.0	20.3
5 31	14 47.71	−19 16.6	1.198	2.161	11.3	20.6
6 10	14 41.55	−18 36.0	1.234	2.142	16.0	20.8

364761 2007 WH_{62} 5 9.8 234°.68 0°.9/ 9.4 17

4 1	15 39.34	−15 39.0	1.931	2.731	15.0	21.6
4 11	15 34.39	−15 37.9	1.828	2.717	11.9	21.4
4 21	15 26.80	−15 31.5	1.746	2.702	8.1	21.1
5 1	15 17.13	−15 20.8	1.690	2.687	3.9	20.8
5 11	15 6.27	−15 7.7	1.661	2.670	1.2	20.6
5 21	14 55.33	−14 55.1	1.661	2.653	5.5	20.9
5 31	14 45.46	−14 46.4	1.688	2.635	9.8	21.1
6 10	14 37.59	−14 45.0	1.739	2.617	13.7	21.3

434161 2002 TU_{9} 5 9.8 228°.36 1°.3/ 8.8 18

4 1	15 32.99	−15 4.6	2.514	3.313	11.9	21.8
4 11	15 28.65	−14 42.7	2.413	3.303	9.4	21.6
4 21	15 22.46	−14 15.6	2.335	3.292	6.4	21.4
5 1	15 14.88	−13 45.1	2.284	3.281	3.1	21.2
5 11	15 6.59	−13 13.9	2.262	3.269	1.5	21.0
5 21	14 58.34	−12 44.8	2.268	3.257	4.6	21.2
5 31	14 50.88	−12 21.0	2.303	3.245	7.9	21.4
6 10	14 44.83	−12 5.1	2.362	3.232	10.9	21.6

173121 1991 VO_{10} 5 9.8 207°.20 0°.7/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.41	−16 34.7	2.635	3.430	11.6	21.8
4 11	15 28.08	−16 16.2	2.538	3.426	9.1	21.6
4 21	15 22.00	−15 52.1	2.465	3.421	6.1	21.4
5 1	15 14.63	−15 23.8	2.418	3.415	2.9	21.2
5 11	15 6.63	−14 53.8	2.401	3.409	1.0	21.0
5 21	14 58.70	−14 24.7	2.412	3.403	4.1	21.2
5 31	14 51.55	−13 59.6	2.452	3.397	7.3	21.4
6 10	14 45.76	−13 40.9	2.517	3.390	10.2	21.6

374570 2006 BN_{254} 5 9.8 123°.47 0°.7/ 9.3 17

4 1	15 34.90	−17 27.8	2.151	2.951	13.7	22.6
4 11	15 30.26	−17 3.1	2.075	2.964	10.7	22.4
4 21	15 23.55	−16 31.2	2.021	2.977	7.2	22.2
5 1	15 15.36	−15 53.8	1.993	2.990	3.4	22.0
5 11	15 6.54	−15 14.3	1.993	3.002	1.0	21.8
5 21	14 57.97	−14 36.2	2.022	3.014	4.7	22.1
5 31	14 50.48	−14 3.4	2.078	3.025	8.3	22.4
6 10	14 44.70	−13 39.1	2.158	3.036	11.5	22.6

122520 2000 QN_{206} 5 9.8 146°.83 6°.7/13.7 18

4 1	15 40.53	−34 40.2	2.031	2.771	16.3	19.9
4 11	15 35.58	−35 39.7	1.944	2.775	13.8	19.8
4 21	15 27.72	−36 24.5	1.876	2.779	11.1	19.6
5 1	15 17.58	−36 49.9	1.831	2.783	8.4	19.4
5 11	15 6.23	−36 53.7	1.812	2.786	6.8	19.3
5 21	14 54.93	−36 36.5	1.819	2.790	7.3	19.4
5 31	14 44.96	−36 2.5	1.852	2.793	9.6	19.5
6 10	14 37.32	−35 18.7	1.909	2.795	12.3	19.7

508252 2015 HT_{74} 5 9.8 346°.27 0°.4/ 9.6 17

4 1	15 33.98	−16 24.3	1.891	2.702	14.8	21.7
4 11	15 30.07	−16 31.4	1.804	2.700	11.7	21.5
4 21	15 23.75	−16 33.2	1.739	2.698	8.0	21.2
5 1	15 15.59	−16 30.7	1.698	2.696	3.8	21.0
5 11	15 6.51	−16 25.6	1.684	2.694	0.7	20.7
5 21	14 57.51	−16 20.5	1.698	2.693	5.0	21.0
5 31	14 49.61	−16 18.2	1.738	2.692	9.1	21.3
6 10	14 43.63	−16 21.7	1.801	2.691	12.7	21.5

433518 2013 WM_{68} 5 9.8 255°.16 2°.1/11.1 17

4 1	15 35.49	−24 19.5	1.975	2.764	15.1	21.6
4 11	15 31.43	−24 23.5	1.871	2.749	12.2	21.4
4 21	15 24.81	−24 15.9	1.788	2.734	8.8	21.1
5 1	15 16.18	−23 55.9	1.729	2.719	4.9	20.9
5 11	15 6.42	−23 24.5	1.697	2.704	2.1	20.7
5 21	14 56.63	−22 44.7	1.692	2.688	4.9	20.8
5 31	14 47.92	−22 1.4	1.715	2.672	8.9	21.0
6 10	14 41.19	−21 20.4	1.761	2.656	12.7	21.2

203729 2002 QR_{53} 5 9.8 188°.54 3°.6/ 7.1 18 R

4 1	15 32.22	− 8 50.1	2.236	3.049	12.8	20.6
4 11	15 28.14	− 8 8.3	2.153	3.049	10.0	20.4
4 21	15 22.13	− 7 24.5	2.092	3.048	7.0	20.2
5 1	15 14.72	− 6 42.3	2.057	3.047	4.3	20.1
5 11	15 6.64	− 6 5.8	2.051	3.046	3.9	20.0
5 21	14 58.70	− 5 38.5	2.072	3.045	6.3	20.2
5 31	14 51.68	− 5 23.1	2.119	3.044	9.4	20.4
6 10	14 46.19	− 5 21.1	2.190	3.042	12.3	20.6

359705 2011 SX_{250} 5 9.8 222°.89 3°.3/12.7 17

4 1	15 32.89	−30 25.5	2.744	3.494	12.2	21.3
4 11	15 28.62	−30 25.9	2.639	3.487	10.1	21.2
4 21	15 22.46	−30 13.9	2.555	3.480	7.6	21.0
5 1	15 14.89	−29 48.9	2.498	3.472	5.0	20.8
5 11	15 6.62	−29 11.4	2.468	3.463	3.3	20.7
5 21	14 58.42	−28 23.8	2.466	3.455	4.3	20.7
5 31	14 51.07	−27 30.0	2.493	3.446	6.8	20.9
6 10	14 45.19	−26 34.6	2.546	3.437	9.4	21.0

459901 2014 MZ_{8} 5 9.8 237°.51 2°.5/ 8.4 17

4 1	15 37.74	−13 44.6	1.700	2.514	16.1	21.8
4 11	15 33.40	−13 12.8	1.602	2.500	12.8	21.6
4 21	15 26.27	−12 33.9	1.526	2.486	8.8	21.3
5 1	15 16.92	−11 50.9	1.474	2.471	4.5	21.0
5 11	15 6.34	−11 8.1	1.449	2.455	2.8	20.9
5 21	14 55.73	−10 30.7	1.451	2.438	6.8	21.1
5 31	14 46.33	−10 3.6	1.478	2.421	11.4	21.3
6 10	14 39.11	− 9 50.5	1.528	2.402	15.5	21.5

87236 2000 OO_{44} 5 9.8 264°.72 0°.1/ 9.7 18

4 1	15 34.48	−19 44.5	2.092	2.890	14.1	20.4
4 11	15 30.45	−19 20.0	1.979	2.866	11.2	20.2
4 21	15 24.06	−18 45.1	1.887	2.842	7.7	19.9
5 1	15 15.80	−18 0.9	1.821	2.817	3.8	19.6
5 11	15 6.49	−17 10.2	1.782	2.792	0.6	19.3
5 21	14 57.09	−16 17.0	1.772	2.766	4.9	19.6
5 31	14 48.61	−15 26.6	1.789	2.740	9.1	19.8
6 10	14 41.91	−14 43.9	1.830	2.713	12.9	19.9

394252 2006 TV_{121} 5 9.8 147°.40 1°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.12	−13 35.5	2.739	3.531	11.3	21.6
4 11	15 30.02	−13 40.1	2.653	3.538	8.8	21.5
4 21	15 23.23	−13 42.3	2.590	3.545	5.9	21.3
5 1	15 15.20	−13 43.1	2.555	3.551	2.9	21.1
5 11	15 6.60	−13 43.9	2.549	3.557	1.2	21.0
5 21	14 58.11	−13 46.3	2.574	3.563	4.0	21.2
5 31	14 50.42	−13 52.0	2.627	3.568	7.0	21.4
6 10	14 44.07	−14 2.4	2.705	3.574	9.7	21.6

208666 2002 GW_{15} 5 9.8 295°.92 1°.5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.14	−20 3.7	1.449	2.268	18.2	19.2
4 11	15 32.98	−20 28.2	1.349	2.247	14.7	18.9
4 21	15 26.52	−20 44.5	1.269	2.227	10.4	18.6
5 1	15 17.26	−20 51.6	1.211	2.206	5.4	18.3
5 11	15 6.28	−20 49.7	1.177	2.186	1.5	18.0
5 21	14 55.04	−20 41.0	1.168	2.166	6.2	18.2
5 31	14 45.12	−20 30.0	1.184	2.146	11.5	18.4
6 10	14 37.81	−20 22.2	1.221	2.126	16.4	18.7

506678 2006 SH_{402} 5 9.8 158°.54 0°.6/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.14	−17 3.4	2.910	3.700	10.7	23.3
4 11	15 27.62	−16 44.6	2.822	3.707	8.4	23.2
4 21	15 21.55	−16 20.4	2.758	3.713	5.6	23.0
5 1	15 14.38	−15 52.5	2.722	3.718	2.7	22.8
5 11	15 6.71	−15 22.8	2.714	3.724	0.8	22.7
5 21	14 59.17	−14 53.8	2.737	3.728	3.7	22.9
5 31	14 52.37	−14 28.2	2.788	3.733	6.6	23.1
6 10	14 46.81	−14 8.2	2.865	3.736	9.1	23.3

12149 Begas 5 9.8 291°.54 4°.2/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.90	− 8 28.1	2.252	3.072	12.5	18.6
4 11	15 25.62	− 7 22.0	2.160	3.060	9.8	18.4
4 21	15 20.49	− 6 12.3	2.091	3.048	7.0	18.2
5 1	15 13.97	− 5 3.5	2.049	3.036	4.6	18.1
5 11	15 6.76	− 4 0.9	2.034	3.024	4.6	18.0
5 21	14 59.63	− 3 9.1	2.047	3.012	7.0	18.2
5 31	14 53.32	− 2 31.9	2.085	3.001	10.0	18.3
6 10	14 48.47	− 2 11.2	2.146	2.989	12.8	18.5

107901 2001 FY_{95} 5 9.8 326°.33 0°.7/10.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.74	−17 50.3	1.820	2.627	15.5	19.0
4 11	15 32.48	−18 22.5	1.729	2.621	12.3	18.8
4 21	15 25.56	−18 50.0	1.659	2.615	8.5	18.6
5 1	15 16.55	−19 12.4	1.614	2.610	4.3	18.3
5 11	15 6.40	−19 30.0	1.595	2.605	0.8	18.0
5 21	14 56.25	−19 43.8	1.604	2.600	5.0	18.3
5 31	14 47.25	−19 56.3	1.639	2.596	9.4	18.6
6 10	14 40.33	−20 10.5	1.698	2.592	13.2	18.8

137316 1999 TQ_{20} 5 9.8 273°.44 0°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.27	−20 29.6	1.680	2.487	16.6	20.6
4 11	15 32.56	−20 31.6	1.575	2.466	13.3	20.3
4 21	15 25.91	−20 23.4	1.489	2.445	9.3	20.0
5 1	15 16.85	−20 4.9	1.427	2.423	4.7	19.7
5 11	15 6.35	−19 37.6	1.392	2.401	0.9	19.4
5 21	14 55.68	−19 5.0	1.382	2.379	5.6	19.6
5 31	14 46.18	−18 32.3	1.398	2.356	10.5	19.9
6 10	14 38.94	−18 5.3	1.437	2.333	15.0	20.1

22104 2000 LN_{19} 5 9.8 211°.43 2°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.06	−28 57.7	2.419	3.177	13.5	18.7
4 11	15 31.32	−28 44.8	2.313	3.169	11.0	18.5
4 21	15 24.40	−28 17.8	2.229	3.161	8.1	18.3
5 1	15 15.86	−27 36.2	2.171	3.152	5.0	18.1
5 11	15 6.51	−26 41.3	2.141	3.143	2.9	17.9
5 21	14 57.26	−25 36.4	2.140	3.133	4.4	18.0
5 31	14 49.00	−24 26.6	2.167	3.122	7.5	18.2
6 10	14 42.46	−23 17.8	2.221	3.110	10.7	18.4

141187 2001 XE_{175} 5 9.8 335°.70 3°.4/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.15	− 8 54.6	2.149	2.967	13.1	19.5
4 11	15 27.43	− 8 25.7	2.065	2.964	10.3	19.3
4 21	15 21.73	− 7 55.3	2.004	2.962	7.2	19.1
5 1	15 14.56	− 7 26.9	1.968	2.959	4.3	18.9
5 11	15 6.69	− 7 4.0	1.959	2.957	3.7	18.9
5 21	14 58.94	− 6 49.7	1.977	2.955	6.2	19.0
5 31	14 52.10	− 6 46.5	2.022	2.953	9.4	19.2
6 10	14 46.84	− 6 55.5	2.090	2.951	12.4	19.4

500255 2012 KM_{27} 5 9.8 350°.03 4°.5/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.31	− 7 15.5	1.300	2.143	18.5	20.6
4 11	15 31.31	− 7 19.3	1.224	2.136	14.7	20.3
4 21	15 25.14	− 7 26.1	1.166	2.130	10.4	20.0
5 1	15 16.44	− 7 39.8	1.131	2.125	6.1	19.8
5 11	15 6.43	− 8 3.9	1.119	2.121	4.7	19.7
5 21	14 56.50	− 8 40.3	1.132	2.119	8.3	19.9
5 31	14 48.09	− 9 29.8	1.167	2.117	13.0	20.1
6 10	14 42.26	−10 31.7	1.223	2.116	17.2	20.4

290136 2005 QK_{154} 5 9.8 254°.65 1°.4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.90	−21 43.8	2.544	3.324	12.3	21.1
4 11	15 30.32	−22 3.3	2.436	3.311	9.9	20.9
4 21	15 23.72	−22 16.3	2.352	3.298	7.0	20.7
5 1	15 15.57	−22 22.1	2.293	3.285	3.8	20.4
5 11	15 6.56	−22 21.3	2.264	3.271	1.4	20.2
5 21	14 57.50	−22 15.3	2.263	3.257	4.0	20.4
5 31	14 49.22	−22 6.5	2.290	3.243	7.3	20.6
6 10	14 42.44	−21 58.0	2.343	3.229	10.3	20.8

371535 2006 UC_{250} 5 9.8 302°.91 0°.4/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.72	−18 59.9	1.453	2.278	17.8	21.4
4 11	15 30.98	−19 4.9	1.353	2.255	14.3	21.1
4 21	15 25.08	−19 0.5	1.272	2.233	10.0	20.8
5 1	15 16.54	−18 46.7	1.214	2.211	5.0	20.5
5 11	15 6.40	−18 25.6	1.179	2.189	0.7	20.1
5 21	14 56.05	−18 0.8	1.170	2.168	6.2	20.4
5 31	14 46.98	−17 37.8	1.185	2.147	11.6	20.6
6 10	14 40.41	−17 22.1	1.221	2.126	16.4	20.9

504955 2011 FB_{43} 5 9.8 16°.43 7°.1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.95	− 3 38.3	1.474	2.315	16.8	20.8
4 11	15 28.02	− 2 37.7	1.411	2.318	13.5	20.6
4 21	15 22.46	− 1 39.5	1.368	2.323	10.0	20.4
5 1	15 14.98	− 0 50.6	1.347	2.328	7.5	20.2
5 11	15 6.65	− 0 18.0	1.351	2.334	7.5	20.2
5 21	14 58.59	− 0 5.9	1.378	2.340	10.1	20.4
5 31	14 51.89	− 0 16.4	1.429	2.347	13.5	20.6
6 10	14 47.32	− 0 48.5	1.499	2.355	16.7	20.8

497452 2005 YL_{52} 5 9.8 72°.09 5°.8/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.83	−35 0.4	1.826	2.581	17.3	21.1
4 11	15 31.85	−35 9.7	1.749	2.593	14.6	20.9
4 21	15 25.06	−34 58.7	1.691	2.606	11.4	20.7
5 1	15 16.22	−34 24.8	1.655	2.618	8.1	20.6
5 11	15 6.48	−33 29.0	1.644	2.631	6.0	20.4
5 21	14 57.10	−32 15.3	1.659	2.643	6.5	20.5
5 31	14 49.24	−30 51.1	1.700	2.655	9.2	20.7
6 10	14 43.71	−29 25.1	1.765	2.668	12.3	20.9

385041 2012 TZ_{312} 5 9.8 165°.54 3°.8/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.99	− 9 28.6	2.189	3.005	12.9	20.7
4 11	15 27.21	− 8 30.7	2.108	3.007	10.1	20.6
4 21	15 21.51	− 7 29.4	2.050	3.008	7.1	20.4
5 1	15 14.43	− 6 29.2	2.019	3.009	4.4	20.2
5 11	15 6.72	− 5 34.8	2.015	3.010	4.1	20.2
5 21	14 59.17	− 4 50.5	2.039	3.010	6.6	20.3
5 31	14 52.56	− 4 19.6	2.089	3.011	9.7	20.5
6 10	14 47.48	− 4 4.0	2.163	3.012	12.5	20.7

126195 2002 AQ_{32} 5 9.8 138°.41 2°.0/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.49	−13 58.6	2.095	2.903	13.7	20.4
4 11	15 30.01	−13 23.3	2.017	2.912	10.7	20.2
4 21	15 23.43	−12 42.6	1.962	2.921	7.2	20.0
5 1	15 15.35	−11 59.3	1.933	2.929	3.6	19.8
5 11	15 6.61	−11 17.2	1.931	2.937	2.3	19.7
5 21	14 58.09	−10 40.3	1.958	2.944	5.5	19.9
5 31	14 50.63	−10 12.2	2.012	2.951	9.0	20.2
6 10	14 44.89	− 9 55.3	2.090	2.958	12.1	20.4

231644 2009 VV_{61} 5 9.8 280°.03 0°.6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.34	−16 59.6	1.774	2.588	15.6	20.8
4 11	15 30.62	−16 52.6	1.680	2.578	12.3	20.5
4 21	15 24.30	−16 38.2	1.607	2.567	8.4	20.3
5 1	15 15.96	−16 17.8	1.559	2.557	4.0	20.0
5 11	15 6.52	−15 54.1	1.537	2.546	0.9	19.7
5 21	14 57.10	−15 30.6	1.542	2.536	5.5	20.0
5 31	14 48.83	−15 11.6	1.572	2.526	9.9	20.2
6 10	14 42.60	−15 0.7	1.625	2.516	13.9	20.5

75346 1999 XE_{62} 5 9.8 33°.18 0°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.24	−19 2.1	1.328	2.158	18.9	19.1
4 11	15 31.13	−19 2.2	1.261	2.166	14.9	18.8
4 21	15 24.88	−18 51.6	1.212	2.175	10.2	18.6
5 1	15 16.24	−18 31.7	1.186	2.184	5.0	18.3
5 11	15 6.49	−18 5.5	1.184	2.194	0.6	18.0
5 21	14 57.08	−17 37.6	1.207	2.204	6.0	18.4
5 31	14 49.33	−17 13.6	1.253	2.215	11.0	18.7
6 10	14 44.18	−16 58.4	1.321	2.227	15.3	19.0

87608 2000 RC_{44} 5 9.8 289°.80 5°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.63	−30 38.8	1.807	2.583	16.8	19.1
4 11	15 31.34	−31 0.4	1.698	2.560	14.1	18.9
4 21	15 25.12	−31 6.1	1.607	2.537	10.8	18.6
5 1	15 16.49	−30 52.7	1.539	2.514	7.4	18.4
5 11	15 6.44	−30 19.3	1.496	2.491	5.0	18.2
5 21	14 56.22	−29 28.0	1.478	2.468	6.4	18.2
5 31	14 47.19	−28 24.6	1.486	2.445	9.9	18.3
6 10	14 40.45	−27 17.0	1.518	2.422	13.8	18.5

199467 2006 DW_{59} 5 9.8 128°.24 4°.7/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.11	− 7 33.3	2.081	2.899	13.4	20.5
4 11	15 28.10	− 6 20.6	2.009	2.907	10.6	20.3
4 21	15 22.11	− 5 5.6	1.960	2.915	7.5	20.1
5 1	15 14.71	− 3 53.8	1.938	2.922	5.1	20.0
5 11	15 6.71	− 2 50.7	1.943	2.930	5.1	20.0
5 21	14 58.94	− 2 1.1	1.975	2.937	7.5	20.2
5 31	14 52.19	− 1 28.2	2.033	2.943	10.5	20.4
6 10	14 47.06	− 1 13.1	2.113	2.950	13.2	20.5

431016 2005 YX_{130} 5 9.8 114°.20 1°.0/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.78	−21 57.0	2.058	2.849	14.5	21.9
4 11	15 31.16	−21 48.8	1.981	2.863	11.5	21.7
4 21	15 24.28	−21 30.5	1.925	2.876	7.9	21.5
5 1	15 15.78	−21 2.8	1.895	2.889	4.0	21.3
5 11	15 6.57	−20 27.9	1.892	2.901	1.0	21.1
5 21	14 57.62	−19 49.5	1.918	2.913	4.4	21.3
5 31	14 49.83	−19 11.8	1.970	2.925	8.1	21.6
6 10	14 43.91	−18 39.2	2.047	2.937	11.5	21.8

472396 2015 BE_{157} 5 9.8 19°.33 5°.8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.87	− 6 54.8	1.545	2.385	16.2	20.5
4 11	15 27.06	− 5 51.9	1.480	2.390	12.8	20.3
4 21	15 21.76	− 4 47.9	1.436	2.396	9.2	20.1
5 1	15 14.64	− 3 49.1	1.416	2.403	6.3	19.9
5 11	15 6.72	− 3 2.3	1.420	2.410	6.2	20.0
5 21	14 59.08	− 2 32.5	1.449	2.418	9.0	20.1
5 31	14 52.73	− 2 22.8	1.501	2.426	12.5	20.3
6 10	14 48.40	− 2 33.5	1.574	2.436	15.8	20.6

486678 2013 TE_{73} 5 9.8 196°.61 1°.3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.01	−11 14.1	5.149	5.945	6.2	22.1
4 11	15 19.95	−10 47.9	5.054	5.943	4.8	22.0
4 21	15 16.11	−10 20.4	4.986	5.941	3.3	21.9
5 1	15 11.74	− 9 52.8	4.946	5.939	1.8	21.8
5 11	15 7.12	− 9 26.6	4.936	5.937	1.4	21.7
5 21	15 2.54	− 9 3.1	4.956	5.934	2.7	21.8
5 31	14 58.30	− 8 43.6	5.005	5.932	4.3	21.9
6 10	14 54.66	− 8 29.1	5.080	5.929	5.8	22.1

122675 2000 RL_{103} 5 9.8 261°.50 6°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.69	−36 22.8	2.127	2.860	15.8	20.6
4 11	15 33.45	−36 52.6	2.014	2.840	13.6	20.4
4 21	15 26.39	−37 5.4	1.919	2.820	11.0	20.2
5 1	15 17.04	−36 57.3	1.848	2.799	8.4	19.9
5 11	15 6.38	−36 26.3	1.801	2.777	6.7	19.8
5 21	14 55.62	−35 33.6	1.781	2.755	7.1	19.8
5 31	14 46.01	−34 24.0	1.788	2.733	9.5	19.9
6 10	14 38.58	−33 5.5	1.818	2.710	12.5	20.0

403521 2010 CH_{70} 5 9.8 147°.73 2°.0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.24	−27 29.2	3.653	4.407	9.4	21.9
4 11	15 25.19	−27 29.1	3.559	4.413	7.6	21.7
4 21	15 19.84	−27 20.9	3.488	4.418	5.5	21.6
5 1	15 13.57	−27 4.6	3.443	4.424	3.4	21.4
5 11	15 6.88	−26 41.1	3.428	4.429	2.0	21.3
5 21	15 0.27	−26 12.1	3.442	4.434	3.0	21.4
5 31	14 54.27	−25 39.9	3.486	4.438	5.1	21.6
6 10	14 49.29	−25 7.2	3.556	4.443	7.1	21.7

219773 2001 YD_{138} 5 9.8 285°.81 4°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.55	−26 57.3	1.800	2.580	16.7	18.9
4 11	15 35.33	−27 57.5	1.690	2.557	13.9	18.7
4 21	15 28.00	−28 49.2	1.600	2.535	10.5	18.4
5 1	15 17.98	−29 28.2	1.533	2.512	7.0	18.1
5 11	15 6.25	−29 51.6	1.493	2.489	4.9	18.0
5 21	14 54.12	−29 58.7	1.479	2.467	6.6	18.0
5 31	14 43.09	−29 52.3	1.490	2.444	10.4	18.2
6 10	14 34.41	−29 38.3	1.525	2.421	14.3	18.3

186128 2001 TP_{154} 5 9.8 124°.95 1°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.09	−10 12.5	4.416	5.214	7.2	20.1
4 11	15 21.67	− 9 59.3	4.326	5.215	5.6	20.0
4 21	15 17.33	− 9 45.4	4.261	5.216	3.8	19.9
5 1	15 12.34	− 9 32.0	4.224	5.216	2.1	19.8
5 11	15 7.05	− 9 20.5	4.216	5.217	1.7	19.7
5 21	15 1.81	− 9 12.2	4.239	5.218	3.1	19.8
5 31	14 56.98	− 9 8.2	4.290	5.219	4.9	20.0
6 10	14 52.87	− 9 9.4	4.367	5.220	6.6	20.1

402218 2005 AE_{37} 5 9.8 134°.48 3°.1/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.71	−11 55.4	1.845	2.656	15.2	21.8
4 11	15 32.73	−11 13.0	1.774	2.670	11.8	21.6
4 21	15 25.37	−10 26.1	1.725	2.683	8.1	21.4
5 1	15 16.31	− 9 38.5	1.701	2.695	4.4	21.2
5 11	15 6.53	− 8 54.9	1.705	2.707	3.4	21.2
5 21	14 57.06	− 8 19.6	1.737	2.718	6.5	21.4
5 31	14 48.87	− 7 56.3	1.795	2.729	10.2	21.6
6 10	14 42.66	− 7 47.0	1.875	2.738	13.6	21.8

384795 2012 QK_{24} 5 9.8 192°.98 0°.6/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.97	−17 57.2	2.319	3.117	12.8	22.1
4 11	15 28.77	−17 29.4	2.227	3.116	10.1	21.9
4 21	15 22.61	−16 53.9	2.158	3.114	6.8	21.6
5 1	15 15.01	−16 12.5	2.115	3.112	3.2	21.4
5 11	15 6.71	−15 28.2	2.101	3.110	0.9	21.2
5 21	14 58.53	−14 44.6	2.115	3.107	4.5	21.5
5 31	14 51.28	−14 5.7	2.157	3.104	8.0	21.7
6 10	14 45.58	−13 34.8	2.224	3.101	11.2	21.9

483285 2015 TA_{303} 5 9.8 203°.28 1°.2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.19	−12 32.5	4.396	5.187	7.3	23.2
4 11	15 23.31	−12 15.7	4.296	5.181	5.7	23.1
4 21	15 18.45	−11 57.0	4.221	5.176	3.8	23.0
5 1	15 12.89	−11 37.7	4.175	5.170	2.0	22.8
5 11	15 7.00	−11 19.1	4.159	5.163	1.3	22.7
5 21	15 1.15	−11 2.9	4.173	5.156	3.0	22.9
5 31	14 55.71	−10 50.2	4.216	5.149	4.9	23.0
6 10	14 51.02	−10 42.3	4.287	5.142	6.7	23.1

297753 2001 XB_{79} 5 9.8 211°.47 3°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.15	− 7 44.1	2.564	3.368	11.6	21.2
4 11	15 28.66	− 7 23.7	2.473	3.363	9.1	21.0
4 21	15 22.42	− 7 3.1	2.405	3.359	6.4	20.8
5 1	15 14.89	− 6 45.1	2.365	3.354	3.9	20.7
5 11	15 6.73	− 6 32.2	2.353	3.349	3.4	20.6
5 21	14 58.65	− 6 26.8	2.369	3.343	5.6	20.7
5 31	14 51.34	− 6 30.8	2.413	3.338	8.4	20.9
6 10	14 45.40	− 6 44.9	2.482	3.332	11.1	21.1

141118 2001 XW_{80} 5 9.8 197°.09 3°.4/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.81	− 7 55.8	2.335	3.145	12.4	20.2
4 11	15 28.54	− 7 35.3	2.251	3.145	9.8	20.0
4 21	15 22.41	− 7 14.6	2.189	3.144	6.8	19.8
5 1	15 14.90	− 6 56.6	2.153	3.143	4.1	19.6
5 11	15 6.73	− 6 44.3	2.146	3.143	3.6	19.6
5 21	14 58.68	− 6 40.0	2.166	3.142	5.9	19.7
5 31	14 51.50	− 6 45.7	2.214	3.141	8.9	19.9
6 10	14 45.80	− 7 2.2	2.285	3.140	11.7	20.1

308660 2006 BJ_{139} 5 9.8 271°.36 4°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.68	−39 35.8	4.533	5.216	8.6	20.9
4 11	15 24.75	−40 0.1	4.428	5.213	7.4	20.8
4 21	15 19.57	−40 14.9	4.345	5.210	6.2	20.7
5 1	15 13.47	−40 19.0	4.287	5.207	5.0	20.6
5 11	15 6.92	−40 12.1	4.256	5.204	4.2	20.5
5 21	15 0.39	−39 55.0	4.252	5.201	4.3	20.5
5 31	14 54.37	−39 29.2	4.276	5.198	5.1	20.6
6 10	14 49.29	−38 57.3	4.326	5.195	6.3	20.6

206817 2004 EW_{8} 5 9.8 27°.12 2°.2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.24	−13 24.1	1.868	2.690	14.6	20.3
4 11	15 27.80	−12 55.7	1.792	2.695	11.4	20.1
4 21	15 22.12	−12 22.4	1.738	2.700	7.7	19.9
5 1	15 14.81	−11 47.1	1.709	2.706	3.9	19.7
5 11	15 6.75	−11 13.7	1.706	2.712	2.5	19.6
5 21	14 58.89	−10 46.3	1.730	2.718	5.8	19.8
5 31	14 52.15	−10 28.2	1.780	2.725	9.6	20.1
6 10	14 47.21	−10 21.8	1.852	2.731	13.0	20.3

109729 2001 RP_{58} 5 9.8 56°.33 7°.0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.31	− 3 54.8	1.614	2.446	16.0	19.5
4 11	15 28.86	− 2 36.3	1.548	2.451	12.8	19.4
4 21	15 22.93	− 1 18.7	1.504	2.456	9.6	19.2
5 1	15 15.21	− 0 9.2	1.484	2.461	7.3	19.0
5 11	15 6.70	+ 0 44.9	1.489	2.467	7.5	19.1
5 21	14 58.47	+ 1 18.3	1.518	2.472	10.0	19.2
5 31	14 51.51	+ 1 28.3	1.571	2.478	13.2	19.4
6 10	14 46.57	+ 1 15.4	1.644	2.484	16.2	19.6

63112 2000 WS_{161} 5 9.8 226°.00 4°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.95	− 5 49.0	2.602	3.411	11.3	19.9
4 11	15 26.92	− 5 9.4	2.513	3.405	9.0	19.8
4 21	15 21.22	− 4 29.8	2.447	3.398	6.5	19.6
5 1	15 14.31	− 3 53.7	2.408	3.392	4.4	19.4
5 11	15 6.82	− 3 24.6	2.398	3.385	4.3	19.4
5 21	14 59.40	− 3 5.3	2.415	3.378	6.3	19.5
5 31	14 52.73	− 2 57.9	2.459	3.371	8.8	19.7
6 10	14 47.35	− 3 3.3	2.527	3.363	11.3	19.8

125540 2001 WO_{90} 5 9.8 323°.36 2°.5/10.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.15	−20 27.1	1.548	2.357	17.6	18.8
4 11	15 34.30	−21 22.2	1.456	2.347	14.2	18.6
4 21	15 27.27	−22 12.0	1.384	2.337	10.1	18.3
5 1	15 17.59	−22 54.1	1.335	2.328	5.6	18.0
5 11	15 6.36	−23 26.9	1.311	2.319	2.5	17.8
5 21	14 54.98	−23 50.3	1.314	2.310	5.9	18.0
5 31	14 44.94	−24 6.9	1.342	2.302	10.6	18.2
6 10	14 37.43	−24 21.0	1.392	2.294	14.9	18.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
506499 2003 WS_{181}			5 9.8 186°.65	0°.5/ 9.5 17		
	h m	° ′			°	m
4 1	15 34.36	−17 15.3	2.500	3.292	12.2	22.7
4 11	15 29.71	−17 3.5	2.407	3.292	9.6	22.5
4 21	15 23.19	−16 45.9	2.337	3.291	6.5	22.3
5 1	15 15.28	−16 23.7	2.293	3.290	3.1	22.1
5 11	15 6.69	−15 58.9	2.279	3.288	0.7	21.9
5 21	14 58.20	−15 34.2	2.294	3.286	4.1	22.2
5 31	14 50.57	−15 12.5	2.336	3.283	7.5	22.4
6 10	14 44.42	−14 56.8	2.404	3.280	10.5	22.6
92389 Gretskij			5 9.8 300°.54	4°.7/ 8.0 17		
4 1	15 35.89	− 8 29.1	1.307	2.147	18.6	19.9
4 11	15 32.78	− 8 12.3	1.219	2.130	14.9	19.6
4 21	15 26.35	− 7 54.8	1.150	2.114	10.5	19.3
5 1	15 17.18	− 7 41.2	1.103	2.097	6.2	19.0
5 11	15 6.41	− 7 36.8	1.080	2.081	5.0	18.9
5 21	14 55.54	− 7 45.7	1.080	2.065	8.9	19.0
5 31	14 46.09	− 8 10.8	1.103	2.050	13.9	19.3
6 10	14 39.30	− 8 52.9	1.146	2.035	18.5	19.5
512537 2016 SY_{4}			5 9.8 260°.32	2°.4/12.0 17		
4 1	15 31.56	−28 19.4	2.361	3.132	13.4	21.2
4 11	15 27.82	−27 56.2	2.262	3.127	10.9	21.0
4 21	15 22.04	−27 18.7	2.184	3.122	8.0	20.8
5 1	15 14.76	−26 26.9	2.132	3.117	4.8	20.6
5 11	15 6.77	−25 23.0	2.108	3.111	2.5	20.5
5 21	14 58.91	−24 10.9	2.111	3.106	4.2	20.6
5 31	14 52.03	−22 56.0	2.143	3.101	7.4	20.7
6 10	14 46.77	−21 44.0	2.201	3.096	10.5	20.9
502220 2015 BW_{87}			5 9.8 107°.52	2°.5/ 8.1 17		
4 1	15 35.27	−12 37.6	1.999	2.809	14.2	22.6
4 11	15 30.63	−12 0.5	1.931	2.826	11.0	22.4
4 21	15 23.85	−11 19.0	1.884	2.843	7.5	22.2
5 1	15 15.57	−10 36.4	1.864	2.859	3.9	22.0
5 11	15 6.68	− 9 56.9	1.872	2.875	2.8	21.9
5 21	14 58.09	− 9 24.3	1.907	2.891	5.8	22.2
5 31	14 50.65	− 9 1.8	1.969	2.906	9.3	22.4
6 10	14 45.00	− 8 51.4	2.055	2.921	12.4	22.6
366592 2002 UX_{5}			5 9.9 230°.03	1°.7/ 8.8 18		
4 1	15 37.29	−14 7.4	2.153	2.953	13.6	22.0
4 11	15 32.45	−13 49.9	2.050	2.940	10.8	21.8
4 21	15 25.32	−13 27.3	1.969	2.925	7.4	21.5
5 1	15 16.42	−13 1.6	1.914	2.910	3.6	21.3
5 11	15 6.56	−12 35.5	1.887	2.895	1.9	21.1
5 21	14 56.67	−12 12.3	1.890	2.878	5.4	21.3
5 31	14 47.72	−11 55.4	1.919	2.860	9.2	21.5
6 10	14 40.50	−11 47.7	1.973	2.842	12.7	21.7
153893 2001 XC_{197}			5 9.9 98°.83	6°.0/ 6.2 18		
4 1	15 34.66	− 3 15.8	1.855	2.674	14.8	19.7
4 11	15 30.32	− 2 27.6	1.788	2.683	11.8	19.5
4 21	15 23.74	− 1 42.2	1.744	2.693	8.7	19.4
5 1	15 15.56	− 1 4.8	1.724	2.703	6.4	19.2
5 11	15 6.69	− 0 40.3	1.731	2.712	6.3	19.2
5 21	14 58.09	− 0 32.0	1.764	2.721	8.6	19.4
5 31	14 50.67	− 0 41.6	1.821	2.730	11.5	19.6
6 10	14 45.10	− 1 8.3	1.900	2.739	14.4	19.8
428881 2008 UQ_{300}			5 9.9 254°.11	3°.6/ 7.5 18		
4 1	15 33.90	− 8 59.9	2.049	2.863	13.7	21.2
4 11	15 29.81	− 8 28.8	1.955	2.852	10.9	21.0
4 21	15 23.51	− 7 55.7	1.883	2.840	7.6	20.8
5 1	15 15.54	− 7 24.1	1.836	2.828	4.5	20.6
5 11	15 6.68	− 6 57.9	1.817	2.815	3.9	20.5
5 21	14 57.86	− 6 40.7	1.826	2.803	6.7	20.6
5 31	14 50.00	− 6 35.3	1.860	2.790	10.2	20.8
6 10	14 43.83	− 6 43.4	1.918	2.777	13.4	21.0
498491 2008 CQ_{161}			5 9.9 159°.28	1°.9/ 8.8 17		
4 1	15 37.73	−13 54.7	1.865	2.673	15.1	22.2
4 11	15 32.91	−13 36.5	1.784	2.679	11.9	22.0
4 21	15 25.63	−13 13.3	1.725	2.684	8.1	21.8
5 1	15 16.53	−12 47.3	1.691	2.688	4.0	21.6
5 11	15 6.57	−12 22.0	1.685	2.692	2.1	21.4
5 21	14 56.80	−12 0.8	1.706	2.695	5.8	21.7
5 31	14 48.25	−11 47.2	1.754	2.698	9.8	21.9
6 10	14 41.69	−11 43.8	1.825	2.700	13.3	22.1
465879 2010 TG_{79}			5 9.9 228°.47	1°.1/ 9.1 17		
4 1	15 36.53	−17 0.3	2.057	2.857	14.2	22.3
4 11	15 31.98	−16 32.0	1.955	2.844	11.2	22.0
4 21	15 25.06	−15 55.3	1.874	2.831	7.7	21.8
5 1	15 16.31	−15 12.0	1.820	2.817	3.7	21.5
5 11	15 6.59	−14 25.6	1.793	2.802	1.3	21.3
5 21	14 56.87	−13 40.1	1.795	2.786	5.3	21.5
5 31	14 48.17	−13 0.3	1.824	2.770	9.3	21.7
6 10	14 41.29	−12 30.3	1.878	2.753	13.0	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
477609 2010 KC_{109}			5 9.9 234°.16	3°.4/12.9 18		
	h m	° ′			°	m
4 1	15 32.64	−31 0.7	2.789	3.536	12.1	22.0
4 11	15 28.45	−31 1.0	2.681	3.527	10.0	21.8
4 21	15 22.40	−30 48.8	2.596	3.517	7.6	21.6
5 1	15 14.94	−30 23.4	2.536	3.508	5.1	21.5
5 11	15 6.79	−29 45.3	2.503	3.497	3.4	21.3
5 21	14 58.69	−28 56.7	2.499	3.487	4.3	21.4
5 31	14 51.41	−28 1.5	2.524	3.476	6.7	21.5
6 10	14 45.58	−27 4.4	2.574	3.465	9.3	21.7
350172 2011 UC_{86}			5 9.9 230°.89	0°.7/ 9.5 17		
4 1	15 35.28	−14 49.8	2.369	3.167	12.6	21.2
4 11	15 30.58	−15 2.9	2.277	3.165	9.9	21.0
4 21	15 23.87	−15 13.0	2.208	3.164	6.7	20.8
5 1	15 15.67	−15 20.9	2.165	3.162	3.2	20.6
5 11	15 6.69	−15 27.7	2.151	3.160	0.9	20.4
5 21	14 57.77	−15 35.0	2.166	3.158	4.3	20.7
5 31	14 49.73	−15 44.7	2.209	3.157	7.8	20.9
6 10	14 43.25	−15 58.6	2.276	3.155	10.9	21.1
351912 2006 SM_{357}			5 9.9 143°.32	2°.6/11.3 17		
4 1	15 40.34	−24 18.6	2.669	3.428	12.3	20.6
4 11	15 34.43	−25 5.7	2.577	3.435	10.0	20.5
4 21	15 26.44	−25 45.9	2.507	3.442	7.2	20.3
5 1	15 16.90	−26 17.7	2.466	3.448	4.4	20.1
5 11	15 6.53	−26 40.2	2.453	3.455	2.6	20.0
5 21	14 56.20	−26 53.8	2.471	3.461	4.2	20.1
5 31	14 46.75	−27 0.4	2.518	3.466	7.0	20.3
6 10	14 38.88	−27 3.2	2.592	3.472	9.7	20.5
494234 2016 NJ_{53}			5 9.9 148°.65	2°.2/11.6 17		
4 1	15 33.17	−26 23.6	2.290	3.066	13.6	21.3
4 11	15 29.08	−26 14.3	2.200	3.070	11.0	21.1
4 21	15 22.90	−25 52.8	2.132	3.073	7.9	20.9
5 1	15 15.19	−25 18.9	2.089	3.076	4.6	20.7
5 11	15 6.76	−24 34.4	2.073	3.078	2.2	20.6
5 21	14 58.49	−23 42.8	2.086	3.081	4.2	20.7
5 31	14 51.24	−22 48.7	2.126	3.083	7.5	20.9
6 10	14 45.68	−21 57.2	2.192	3.085	10.6	21.1
193449 2000 WW_{146}			5 9.9 155°.14	2°.5/ 6.6 18		
4 1	15 27.21	− 5 24.8	4.450	5.244	7.2	21.1
4 11	15 23.25	− 4 59.8	4.368	5.252	5.7	21.0
4 21	15 18.37	− 4 35.6	4.313	5.260	4.0	20.8
5 1	15 12.86	− 4 13.8	4.285	5.267	2.8	20.8
5 11	15 7.07	− 3 56.1	4.288	5.274	2.7	20.8
5 21	15 1.37	− 3 43.9	4.321	5.280	3.9	20.8
5 31	14 56.09	− 3 38.2	4.382	5.287	5.4	21.0
6 10	14 51.55	− 3 39.6	4.469	5.293	7.0	21.1
224553 2005 WE_{151}			5 9.9 219°.94	1°.3/10.8 18 R		
4 1	15 36.90	−22 52.0	2.515	3.289	12.6	22.1
4 11	15 31.89	−22 48.0	2.406	3.277	10.1	21.9
4 21	15 24.81	−22 35.0	2.320	3.265	7.1	21.7
5 1	15 16.14	−22 12.7	2.260	3.252	3.8	21.5
5 11	15 6.63	−21 42.5	2.229	3.237	1.3	21.3
5 21	14 57.11	−21 6.8	2.228	3.222	4.0	21.4
5 31	14 48.46	−20 29.5	2.255	3.207	7.5	21.6
6 10	14 41.37	−19 54.6	2.308	3.190	10.6	21.8
428725 2008 RC_{68}			5 9.9 222°.93	3°.8/ 7.2 18		
4 1	15 32.36	− 9 53.6	1.934	2.755	14.2	21.0
4 11	15 28.62	− 9 4.8	1.853	2.753	11.2	20.8
4 21	15 22.68	− 8 12.6	1.793	2.752	7.8	20.6
5 1	15 15.11	− 7 21.0	1.759	2.750	4.6	20.4
5 11	15 6.77	− 6 35.2	1.751	2.749	4.2	20.4
5 21	14 58.58	− 5 59.5	1.771	2.747	7.0	20.6
5 31	14 51.45	− 5 37.6	1.816	2.745	10.4	20.8
6 10	14 46.07	− 5 31.2	1.883	2.743	13.6	21.0
189054 2000 SW_{278}			5 9.9 313°.45	1°.4/10.1 17		
4 1	15 40.34	−16 39.6	1.498	2.312	17.9	18.8
4 11	15 36.75	−17 38.9	1.374	2.270	14.6	18.5
4 21	15 29.61	−18 40.2	1.270	2.228	10.4	18.1
5 1	15 19.13	−19 42.0	1.189	2.185	5.4	17.7
5 11	15 6.17	−20 42.5	1.134	2.143	1.5	17.3
5 21	14 52.16	−21 39.5	1.105	2.101	6.7	17.5
5 31	14 38.94	−22 32.8	1.101	2.060	12.6	17.7
6 10	14 28.22	−23 24.6	1.118	2.019	18.0	17.9
268093 2004 RD_{256}			5 9.9 273°.05	11°.4/15.7 17		
4 1	15 44.84	−44 5.0	1.928	2.619	18.5	20.4
4 11	15 40.12	−45 52.7	1.840	2.617	16.6	20.2
4 21	15 31.62	−47 22.8	1.770	2.615	14.6	20.0
5 1	15 19.87	−48 27.0	1.720	2.612	12.7	19.9
5 11	15 6.11	−48 58.9	1.693	2.610	11.5	19.8
5 21	14 52.08	−48 56.4	1.689	2.608	11.6	19.8
5 31	14 39.67	−48 23.2	1.708	2.606	12.8	19.9
6 10	14 30.33	−47 28.0	1.748	2.604	14.7	20.0

176430 2001 VD_{92} 5 9.9 135°.24 4°.5/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.78	− 4 30.5	2.485	3.293	11.8	20.8
4 11	15 27.55	− 3 48.4	2.410	3.300	9.3	20.6
4 21	15 21.63	− 3 7.6	2.358	3.307	6.8	20.5
5 1	15 14.51	− 2 31.7	2.333	3.313	4.8	20.4
5 11	15 6.86	− 2 4.5	2.336	3.319	4.8	20.4
5 21	14 59.38	− 1 48.6	2.367	3.325	6.7	20.5
5 31	14 52.73	− 1 45.7	2.424	3.331	9.2	20.6
6 10	14 47.46	− 1 56.3	2.504	3.336	11.6	20.8

267290 2001 SV_{130} 5 9.9 163°.76 2°.3/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.69	−25 25.9	2.278	3.049	13.9	22.0
4 11	15 32.62	−25 31.0	2.188	3.055	11.2	21.8
4 21	15 25.32	−25 25.1	2.120	3.060	8.0	21.6
5 1	15 16.36	−25 7.7	2.078	3.065	4.6	21.4
5 11	15 6.62	−24 39.7	2.064	3.069	2.3	21.3
5 21	14 57.02	−24 4.0	2.078	3.072	4.3	21.4
5 31	14 48.50	−23 24.7	2.121	3.075	7.7	21.6
6 10	14 41.78	−22 46.5	2.188	3.077	10.9	21.8

179351 2001 XE_{128} 5 9.9 240°.99 0°.9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.26	−16 17.0	2.554	3.352	11.8	21.3
4 11	15 28.13	−15 58.0	2.451	3.340	9.3	21.1
4 21	15 22.17	−15 33.4	2.372	3.328	6.3	20.9
5 1	15 14.84	−15 4.6	2.319	3.316	3.0	20.6
5 11	15 6.81	−14 34.1	2.295	3.303	1.1	20.5
5 21	14 58.80	−14 4.6	2.299	3.290	4.3	20.7
5 31	14 51.56	−13 39.4	2.332	3.277	7.6	20.9
6 10	14 45.71	−13 21.1	2.389	3.264	10.6	21.0

349866 2009 DU_{56} 5 9.9 296°.55 5°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.45	− 4 50.0	2.117	2.937	13.1	20.4
4 11	15 26.93	− 3 52.9	2.034	2.932	10.5	20.2
4 21	15 21.44	− 2 55.8	1.975	2.926	7.7	20.1
5 1	15 14.50	− 2 3.6	1.941	2.921	5.6	19.9
5 11	15 6.86	− 1 21.5	1.934	2.916	5.7	19.9
5 21	14 59.34	− 0 53.4	1.953	2.911	7.9	20.0
5 31	14 52.73	− 0 41.8	1.997	2.906	10.7	20.2
6 10	14 47.68	− 0 47.5	2.064	2.901	13.5	20.4

230064 2000 SN_{352} 5 9.9 239°.08 5°.9/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.64	− 1 50.5	2.252	3.058	12.9	21.5
4 11	15 30.15	− 0 58.8	2.157	3.043	10.5	21.4
4 21	15 23.64	− 0 8.9	2.086	3.028	8.0	21.2
5 1	15 15.59	+ 0 34.1	2.040	3.012	6.2	21.0
5 11	15 6.73	+ 1 5.6	2.022	2.995	6.3	21.0
5 21	14 57.90	+ 1 21.9	2.031	2.978	8.3	21.1
5 31	14 49.92	+ 1 20.8	2.066	2.960	11.1	21.2
6 10	14 43.49	+ 1 2.2	2.123	2.942	13.8	21.4

373322 2012 JQ_{16} 5 9.9 85°.19 3°.3/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.05	−11 33.5	1.667	2.490	16.0	21.1
4 11	15 30.96	−10 57.6	1.598	2.501	12.5	20.9
4 21	15 24.36	−10 17.6	1.550	2.512	8.5	20.6
5 1	15 15.93	− 9 37.5	1.527	2.522	4.6	20.4
5 11	15 6.70	− 9 2.1	1.530	2.533	3.6	20.4
5 21	14 57.77	− 8 35.7	1.560	2.544	6.9	20.6
5 31	14 50.17	− 8 21.8	1.615	2.554	10.8	20.9
6 10	14 44.65	− 8 22.1	1.691	2.565	14.3	21.1

411712 2012 AK_{8} 5 9.9 60°.33 1°.4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.64	−15 59.9	1.417	2.246	18.0	21.4
4 11	15 31.94	−15 40.7	1.352	2.257	14.1	21.1
4 21	15 25.28	−15 13.4	1.305	2.269	9.6	20.9
5 1	15 16.44	−14 40.6	1.282	2.280	4.6	20.6
5 11	15 6.63	−14 6.8	1.284	2.292	1.8	20.5
5 21	14 57.19	−13 36.8	1.311	2.305	6.4	20.8
5 31	14 49.33	−13 15.4	1.363	2.317	11.1	21.1
6 10	14 43.92	−13 6.2	1.436	2.329	15.1	21.4

352022 2006 VP_{24} 5 9.9 100°.71 1°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.45	−13 19.3	2.418	3.219	12.3	20.8
4 11	15 29.75	−13 19.1	2.339	3.229	9.6	20.6
4 21	15 23.19	−13 16.2	2.283	3.239	6.5	20.4
5 1	15 15.29	−13 12.0	2.253	3.249	3.2	20.2
5 11	15 6.79	−13 8.4	2.252	3.259	1.5	20.1
5 21	14 58.44	−13 7.2	2.280	3.269	4.5	20.4
5 31	14 51.01	−13 10.5	2.335	3.279	7.7	20.6
6 10	14 45.07	−13 19.8	2.416	3.288	10.6	20.8

55680 4289 $T\text{-}_{1}$ 5 9.9 148°.04 0°.3/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.00	−19 24.4	2.211	2.999	13.7	20.0
4 11	15 32.77	−19 22.4	2.128	3.009	10.8	19.8
4 21	15 25.37	−19 12.9	2.067	3.019	7.4	19.6
5 1	15 16.38	−18 56.5	2.033	3.028	3.6	19.4
5 11	15 6.65	−18 35.1	2.027	3.037	0.5	19.1
5 21	14 57.11	−18 11.5	2.050	3.044	4.3	19.5
5 31	14 48.66	−17 49.1	2.101	3.051	8.0	19.7
6 10	14 41.98	−17 31.3	2.176	3.058	11.2	19.9

503075 2015 FK_{251} 5 9.9 146°.54 1°.0/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.73	−15 41.7	2.095	2.899	13.8	21.2
4 11	15 30.34	−15 29.8	2.011	2.903	10.8	21.0
4 21	15 23.79	−15 12.4	1.949	2.907	7.3	20.8
5 1	15 15.65	−14 51.1	1.914	2.911	3.5	20.6
5 11	15 6.74	−14 28.6	1.906	2.914	1.3	20.4
5 21	14 57.99	−14 8.0	1.926	2.918	4.9	20.7
5 31	14 50.29	−13 52.3	1.973	2.921	8.6	20.9
6 10	14 44.31	−13 44.4	2.044	2.924	11.9	21.1

78167 2002 NV_{30} 5 9.9 160°.60 0°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.78	−21 39.9	2.147	2.941	13.9	20.3
4 11	15 29.65	−21 30.3	2.059	2.943	11.0	20.1
4 21	15 23.35	−21 11.0	1.993	2.945	7.6	19.9
5 1	15 15.45	−20 42.7	1.952	2.946	3.9	19.7
5 11	15 6.77	−20 7.5	1.939	2.948	0.9	19.4
5 21	14 58.24	−19 28.8	1.953	2.949	4.3	19.7
5 31	14 50.75	−18 50.9	1.995	2.951	8.0	19.9
6 10	14 44.99	−18 18.0	2.062	2.952	11.4	20.1

364715 2007 VX_{52} 5 9.9 331°.82 4°.4/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.98	− 7 17.4	1.176	2.023	19.8	19.8
4 11	15 33.23	− 7 32.7	1.093	2.008	15.9	19.5
4 21	15 26.90	− 7 52.9	1.028	1.993	11.3	19.2
5 1	15 17.56	− 8 21.8	0.985	1.980	6.4	18.8
5 11	15 6.47	− 9 2.4	0.964	1.968	4.6	18.7
5 21	14 55.25	− 9 56.1	0.966	1.956	8.7	18.9
5 31	14 45.60	−11 2.9	0.991	1.946	14.0	19.1
6 10	14 38.87	−12 21.5	1.035	1.937	18.9	19.4

29590 1998 FR_{115} 5 9.9 127°.94 4°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.66	−31 26.2	2.548	3.294	13.2	19.2
4 11	15 30.95	−31 51.6	2.460	3.302	10.9	19.0
4 21	15 24.15	−32 4.8	2.393	3.310	8.4	18.9
5 1	15 15.82	−32 4.0	2.351	3.318	5.8	18.7
5 11	15 6.74	−31 49.1	2.337	3.326	4.2	18.6
5 21	14 57.78	−31 22.0	2.350	3.333	4.9	18.7
5 31	14 49.82	−30 46.1	2.392	3.341	7.2	18.8
6 10	14 43.52	−30 6.2	2.458	3.348	9.8	19.0

458821 2011 UY 5 9.9 187°.95 0°.9/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.55	−22 30.8	1.715	2.514	16.6	22.4
4 11	15 33.22	−22 9.8	1.627	2.513	13.3	22.1
4 21	15 26.11	−21 35.2	1.560	2.513	9.2	21.9
5 1	15 16.88	−20 47.7	1.517	2.511	4.7	21.6
5 11	15 6.60	−19 50.4	1.500	2.510	1.0	21.3
5 21	14 56.50	−18 48.6	1.511	2.507	5.3	21.6
5 31	14 47.77	−17 48.9	1.548	2.504	9.8	21.9
6 10	14 41.30	−16 57.5	1.608	2.501	13.9	22.1

417362 2006 FZ_{43} 5 9.9 40°.77 6°.1/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.59	− 4 35.1	1.638	2.469	15.9	20.4
4 11	15 29.02	− 3 44.2	1.576	2.479	12.6	20.2
4 21	15 23.03	− 2 55.1	1.534	2.489	9.2	20.0
5 1	15 15.29	− 2 13.8	1.517	2.499	6.6	19.9
5 11	15 6.81	− 1 45.8	1.524	2.510	6.4	19.9
5 21	14 58.64	− 1 34.8	1.557	2.521	8.9	20.1
5 31	14 51.74	− 1 42.8	1.614	2.533	12.1	20.3
6 10	14 46.83	− 2 9.1	1.691	2.545	15.2	20.5

418219 2008 CY_{170} 5 9.9 59°.47 6°.8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.95	− 5 50.1	1.456	2.294	17.1	20.4
4 11	15 29.54	− 4 26.3	1.399	2.306	13.6	20.2
4 21	15 23.47	− 3 1.9	1.362	2.319	9.9	20.0
5 1	15 15.52	− 1 45.0	1.349	2.332	7.2	19.9
5 11	15 6.79	− 0 43.5	1.361	2.345	7.3	20.0
5 21	14 58.46	− 0 3.3	1.398	2.359	10.0	20.1
5 31	14 51.58	+ 0 12.6	1.457	2.372	13.5	20.4
6 10	14 46.88	+ 0 4.8	1.536	2.386	16.7	20.6

201531 2003 QE_{39} 5 9.9 243°.84 4°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.94	−32 14.4	2.529	3.267	13.5	20.4
4 11	15 33.05	−32 41.5	2.413	3.249	11.3	20.2
4 21	15 25.83	−32 56.2	2.317	3.230	8.8	20.0
5 1	15 16.75	−32 56.0	2.247	3.211	6.3	19.8
5 11	15 6.61	−32 39.9	2.204	3.190	4.7	19.6
5 21	14 56.37	−32 9.0	2.189	3.170	5.4	19.6
5 31	14 47.02	−31 26.9	2.201	3.148	7.9	19.8
6 10	14 39.39	−30 38.7	2.240	3.126	10.7	19.9

171816 2001 EN_{16} 5 9.9 108°.80 1°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.66	−14 20.2	1.706	2.518	16.2	20.3
4 11	15 33.76	−14 6.5	1.637	2.533	12.6	20.1
4 21	15 26.24	−13 47.4	1.589	2.548	8.5	19.9
5 1	15 16.84	−13 25.3	1.565	2.562	4.2	19.7
5 11	15 6.63	−13 3.6	1.569	2.577	2.0	19.6
5 21	14 56.74	−12 45.7	1.600	2.590	5.9	19.9
5 31	14 48.25	−12 35.2	1.657	2.604	10.0	20.1
6 10	14 41.93	−12 34.6	1.737	2.617	13.6	20.4

20195 Mariovinci 5 9.9 35°.83 5°.5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.19	− 6 18.9	1.652	2.483	15.7	18.3
4 11	15 28.74	− 5 27.0	1.585	2.490	12.5	18.1
4 21	15 22.87	− 4 35.0	1.539	2.497	8.9	17.9
5 1	15 15.25	− 3 48.5	1.517	2.504	6.1	17.8
5 11	15 6.83	− 3 13.4	1.521	2.511	5.9	17.8
5 21	14 58.69	− 2 53.9	1.550	2.519	8.5	17.9
5 31	14 51.79	− 2 52.4	1.603	2.527	11.9	18.2
6 10	14 46.87	− 3 9.2	1.677	2.535	15.1	18.4

346730 2009 AA_{27} 5 9.9 136°.44 0°.5/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.29	−20 40.3	2.221	3.016	13.4	21.8
4 11	15 29.16	−20 27.9	2.135	3.020	10.6	21.6
4 21	15 22.97	−20 6.5	2.071	3.024	7.3	21.4
5 1	15 15.26	−19 37.3	2.033	3.028	3.6	21.2
5 11	15 6.84	−19 2.6	2.022	3.032	0.6	20.9
5 21	14 58.58	−18 25.6	2.040	3.036	4.2	21.2
5 31	14 51.32	−17 50.3	2.085	3.039	7.8	21.5
6 10	14 45.71	−17 20.5	2.155	3.043	11.0	21.7

321496 2009 SO_{77} 5 9.9 311°.96 1°.5/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.69	−20 23.9	1.500	2.321	17.6	20.0
4 11	15 30.95	−20 44.7	1.400	2.298	14.2	19.7
4 21	15 25.12	−20 56.7	1.318	2.277	10.0	19.4
5 1	15 16.67	−20 59.2	1.260	2.255	5.3	19.1
5 11	15 6.64	−20 52.9	1.225	2.234	1.5	18.8
5 21	14 56.38	−20 40.1	1.216	2.214	5.9	19.0
5 31	14 47.36	−20 25.3	1.231	2.194	11.0	19.2
6 10	14 40.79	−20 14.1	1.267	2.175	15.7	19.5

376869 2001 TQ_{260} 5 9.9 72°.68 1°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.80	−13 13.8	4.357	5.152	7.3	21.0
4 11	15 21.52	−12 58.1	4.264	5.153	5.7	20.9
4 21	15 17.30	−12 40.4	4.197	5.154	3.8	20.7
5 1	15 12.42	−12 21.9	4.159	5.154	1.9	20.6
5 11	15 7.24	−12 4.1	4.149	5.155	1.2	20.5
5 21	15 2.11	−11 48.3	4.170	5.155	2.8	20.7
5 31	14 57.39	−11 36.0	4.219	5.156	4.8	20.8
6 10	14 53.40	−11 28.2	4.294	5.157	6.5	20.9

32792 1989 TR_{7} 5 9.9 193°.51 0°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.83	−17 48.9	2.649	3.438	11.7	20.1
4 11	15 29.26	−17 51.5	2.554	3.437	9.2	19.9
4 21	15 22.91	−17 49.0	2.482	3.435	6.3	19.7
5 1	15 15.22	−17 42.0	2.437	3.433	3.0	19.5
5 11	15 6.88	−17 32.0	2.421	3.431	0.4	19.3
5 21	14 58.59	−17 20.9	2.435	3.429	3.8	19.6
5 31	14 51.10	−17 11.1	2.476	3.426	7.0	19.8
6 10	14 44.99	−17 5.1	2.544	3.423	9.9	19.9

124424 2001 QL_{237} 5 9.9 190°.90 1°.8/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.66	−24 16.7	2.519	3.287	12.8	22.2
4 11	15 32.44	−24 18.3	2.419	3.286	10.3	22.1
4 21	15 25.16	−24 10.4	2.342	3.283	7.3	21.9
5 1	15 16.34	−23 52.5	2.292	3.280	4.1	21.7
5 11	15 6.74	−23 25.7	2.270	3.276	1.8	21.5
5 21	14 57.21	−22 52.4	2.277	3.271	4.0	21.6
5 31	14 48.60	−22 16.3	2.313	3.266	7.3	21.8
6 10	14 41.60	−21 41.5	2.375	3.259	10.3	22.0

361546 2007 PP_{35} 5 9.9 291°.39 1°.8/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.83	−22 37.0	1.419	2.236	18.6	21.2
4 11	15 32.13	−22 42.1	1.316	2.213	15.1	20.9
4 21	15 26.10	−22 33.6	1.232	2.189	10.8	20.5
5 1	15 17.22	−22 10.4	1.170	2.164	5.8	20.2
5 11	15 6.59	−21 33.6	1.131	2.140	1.8	19.8
5 21	14 55.70	−20 47.3	1.118	2.116	6.2	20.1
5 31	14 46.14	−19 58.5	1.128	2.092	11.7	20.3
6 10	14 39.24	−19 15.2	1.159	2.068	16.8	20.5

175569 2006 TL_{19} 5 9.9 210°.52 0°.0/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.85	−19 32.4	2.521	3.313	12.1	21.2
4 11	15 27.82	−19 11.3	2.425	3.310	9.5	21.0
4 21	15 21.97	−18 42.4	2.352	3.306	6.5	20.8
5 1	15 14.78	−18 6.9	2.306	3.302	3.1	20.6
5 11	15 6.94	−17 27.3	2.288	3.298	0.4	20.4
5 21	14 59.19	−16 46.7	2.299	3.293	3.9	20.7
5 31	14 52.27	−16 8.8	2.338	3.288	7.3	20.9
6 10	14 46.78	−15 36.8	2.402	3.283	10.3	21.0

402152 2004 RQ_{156} 5 9.9 223°.59 3°.5/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.59	−27 19.3	1.813	2.591	16.7	22.0
4 11	15 35.04	−27 33.9	1.713	2.582	13.7	21.8
4 21	15 27.55	−27 34.4	1.633	2.572	10.1	21.6
5 1	15 17.70	−27 18.6	1.577	2.561	6.2	21.3
5 11	15 6.56	−26 46.6	1.547	2.550	3.6	21.1
5 21	14 55.39	−26 1.2	1.544	2.537	5.6	21.2
5 31	14 45.52	−25 8.3	1.568	2.525	9.6	21.4
6 10	14 37.98	−24 15.0	1.615	2.511	13.6	21.6

167794 2005 AM_{48} 5 9.9 134°.51 2°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.92	−11 38.9	2.035	2.850	13.8	20.2
4 11	15 28.95	−11 3.6	1.954	2.853	10.8	20.0
4 21	15 22.87	−10 24.4	1.896	2.855	7.4	19.8
5 1	15 15.24	− 9 44.6	1.863	2.858	4.0	19.6
5 11	15 6.89	− 9 8.3	1.858	2.860	3.1	19.5
5 21	14 58.71	− 8 39.2	1.880	2.863	6.0	19.7
5 31	14 51.55	− 8 20.6	1.929	2.865	9.5	19.9
6 10	14 46.10	− 8 14.5	2.000	2.867	12.7	20.1

68125 2001 AO_{15} 5 9.9 64°.79 3°.3/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.58	−11 10.9	1.846	2.668	14.7	19.0
4 11	15 28.86	−10 28.5	1.772	2.674	11.5	18.8
4 21	15 22.89	− 9 42.2	1.719	2.679	7.9	18.6
5 1	15 15.26	− 8 55.9	1.691	2.685	4.4	18.4
5 11	15 6.89	− 8 14.3	1.689	2.690	3.6	18.3
5 21	14 58.73	− 7 41.8	1.715	2.696	6.6	18.5
5 31	14 51.71	− 7 21.8	1.766	2.702	10.2	18.7
6 10	14 46.53	− 7 16.4	1.839	2.707	13.5	19.0

12773 Lyman 5 9.9 215°.56 0°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.13	−21 4.1	2.160	2.953	13.8	19.1
4 11	15 29.99	−20 52.7	2.065	2.949	11.0	18.9
4 21	15 23.65	−20 31.9	1.992	2.945	7.6	18.7
5 1	15 15.66	−20 2.3	1.945	2.940	3.8	18.4
5 11	15 6.84	−19 26.3	1.925	2.935	0.7	18.2
5 21	14 58.11	−18 47.0	1.934	2.930	4.4	18.5
5 31	14 50.38	−18 8.9	1.970	2.924	8.2	18.7
6 10	14 44.37	−17 36.0	2.030	2.918	11.6	18.9

120485 1993 FW_{7} 5 9.9 23°.00 2°.6/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.18	−13 57.8	1.187	2.033	19.7	19.7
4 11	15 31.43	−13 36.1	1.121	2.036	15.5	19.4
4 21	15 25.32	−13 7.3	1.073	2.040	10.6	19.2
5 1	15 16.64	−12 35.0	1.047	2.045	5.3	18.9
5 11	15 6.73	−12 4.7	1.043	2.051	2.9	18.8
5 21	14 57.12	−11 41.8	1.064	2.057	7.6	19.0
5 31	14 49.26	−11 31.4	1.106	2.063	12.8	19.3
6 10	14 44.18	−11 36.1	1.169	2.070	17.3	19.6

38313 1999 RV_{111} 5 9.9 245°.41 4°.9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.64	− 4 42.5	2.578	3.390	11.3	19.4
4 11	15 25.98	− 3 28.3	2.487	3.379	9.0	19.2
4 21	15 20.67	− 2 12.9	2.421	3.368	6.7	19.1
5 1	15 14.15	− 1 1.1	2.381	3.357	5.1	18.9
5 11	15 7.05	+ 0 2.3	2.370	3.345	5.3	18.9
5 21	15 0.01	+ 0 53.1	2.386	3.334	7.3	19.0
5 31	14 53.69	+ 1 28.5	2.429	3.322	9.7	19.2
6 10	14 48.65	+ 1 47.0	2.495	3.309	12.1	19.3

152626 1997 CY_{11} 5 9.9 165°.59 3°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.82	−30 43.2	2.841	3.584	12.0	21.5
4 11	15 30.08	−30 58.2	2.746	3.588	9.9	21.3
4 21	15 23.48	−31 1.9	2.673	3.592	7.5	21.2
5 1	15 15.51	−30 53.3	2.625	3.595	5.1	21.0
5 11	15 6.88	−30 32.6	2.606	3.598	3.5	20.9
5 21	14 58.35	−30 1.5	2.615	3.600	4.3	21.0
5 31	14 50.67	−29 23.2	2.653	3.603	6.6	21.1
6 10	14 44.46	−28 42.1	2.717	3.604	9.0	21.3

95189 2002 BM_{11} 5 9.9 163°.08 1°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.01	−17 10.1	1.816	2.621	15.6	20.4
4 11	15 33.27	−16 44.0	1.734	2.626	12.3	20.2
4 21	15 25.98	−16 9.4	1.673	2.631	8.3	20.0
5 1	15 16.79	−15 28.3	1.638	2.635	4.0	19.7
5 11	15 6.72	−14 44.5	1.630	2.639	1.3	19.5
5 21	14 56.86	−14 2.4	1.650	2.642	5.5	19.8
5 31	14 48.28	−13 27.0	1.696	2.644	9.7	20.1
6 10	14 41.78	−13 2.0	1.766	2.646	13.4	20.3

301484 2009 DV_{136} 5 9.9 282°.76 2°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.98	−12 18.4	2.222	3.037	12.8	20.7
4 11	15 26.53	−11 22.5	2.134	3.033	10.0	20.5
4 21	15 21.17	−10 21.0	2.069	3.029	6.8	20.3
5 1	15 14.43	− 9 17.7	2.031	3.025	3.8	20.1
5 11	15 7.02	− 8 17.3	2.020	3.021	3.2	20.0
5 21	14 59.73	− 7 24.4	2.037	3.016	5.9	20.2
5 31	14 53.33	− 6 43.0	2.081	3.012	9.2	20.4
6 10	14 48.43	− 6 15.4	2.148	3.008	12.2	20.6

213803 2003 GC_{17} 5 9.9 69°.37 2°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.44	− 9 42.2	2.242	3.039	13.3	19.6
4 11	15 33.46	− 9 42.2	2.189	3.076	10.3	19.5
4 21	15 25.56	− 9 41.9	2.159	3.113	7.0	19.4
5 1	15 16.40	− 9 43.1	2.156	3.149	3.7	19.2
5 11	15 6.80	− 9 47.5	2.183	3.185	2.6	19.2
5 21	14 57.61	− 9 56.9	2.238	3.221	5.1	19.4
5 31	14 49.57	−10 12.4	2.322	3.256	8.2	19.7
6 10	14 43.24	−10 34.8	2.430	3.291	10.9	19.9

475698 2006 VK_{117} 5 9.9 248°.05 0°.3/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.11	−16 44.7	2.482	3.276	12.2	21.7
4 11	15 29.70	−16 46.7	2.379	3.266	9.6	21.5
4 21	15 23.35	−16 44.0	2.300	3.254	6.6	21.3
5 1	15 15.51	−16 37.3	2.246	3.243	3.2	21.0
5 11	15 6.89	−16 28.2	2.222	3.231	0.6	20.8
5 21	14 58.26	−16 18.7	2.226	3.219	4.1	21.1
5 31	14 50.43	−16 11.3	2.258	3.207	7.6	21.2
6 10	14 44.05	−16 8.6	2.316	3.195	10.7	21.4

37152 2000 VV_{56} 5 9.9 337°.39 5°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.62	−21 24.3	0.943	1.805	22.3	15.7
4 11	15 27.10	−22 49.0	0.856	1.777	18.4	15.4
4 21	15 23.62	−24 10.4	0.785	1.751	13.6	15.0
5 1	15 16.44	−25 24.1	0.732	1.727	8.4	14.6
5 11	15 6.73	−26 25.3	0.699	1.705	5.1	14.3
5 21	14 56.37	−27 10.8	0.686	1.685	8.6	14.4
5 31	14 47.65	−27 42.0	0.691	1.668	14.5	14.6
6 10	14 42.54	−28 4.8	0.712	1.653	20.2	14.9

134644 1999 VV_4 5 9.9 212°.34 0°.1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.79	−19 11.7	1.995	2.790	14.7	20.1
4 11	15 33.09	−19 5.0	1.898	2.784	11.7	19.8
4 21	15 25.92	−18 49.9	1.823	2.777	8.1	19.6
5 1	15 16.84	−18 27.1	1.773	2.769	3.9	19.3
5 11	15 6.76	−17 58.6	1.751	2.761	0.5	19.0
5 21	14 56.71	−17 27.8	1.757	2.752	4.9	19.3
5 31	14 47.75	−16 58.8	1.790	2.742	9.0	19.6
6 10	14 40.73	−16 36.0	1.847	2.732	12.7	19.8

172406 2003 BY_{67} 5 9.9 147°.40 1°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.62	−13 59.0	2.490	3.291	12.0	21.0
4 11	15 28.33	−13 37.1	2.405	3.297	9.3	20.8
4 21	15 22.28	−13 11.1	2.344	3.302	6.3	20.6
5 1	15 14.94	−12 42.9	2.310	3.306	3.1	20.4
5 11	15 7.01	−12 15.4	2.304	3.311	1.8	20.3
5 21	14 59.23	−11 51.3	2.328	3.315	4.6	20.5
5 31	14 52.29	−11 33.3	2.378	3.319	7.7	20.7
6 10	14 46.77	−11 23.5	2.454	3.323	10.5	20.9

40088 1998 MJ_{37} 5 9.9 266°.99 7°.6/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.21	+ 2 22.2	2.144	2.950	13.5	18.9
4 11	15 30.01	+ 3 18.5	2.050	2.930	11.2	18.7
4 21	15 23.69	+ 4 9.9	1.979	2.910	9.1	18.5
5 1	15 15.73	+ 4 50.8	1.932	2.889	7.7	18.4
5 11	15 6.91	+ 5 15.7	1.912	2.868	8.0	18.4
5 21	14 58.07	+ 5 20.9	1.917	2.847	9.8	18.4
5 31	14 50.10	+ 5 4.7	1.947	2.825	12.4	18.5
6 10	14 43.74	+ 4 27.8	1.998	2.803	15.0	18.7

312551 2009 FL_{39} 5 9.9 121°.79 0°.5/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.22	−16 47.7	1.610	2.422	17.0	21.0
4 11	15 34.57	−16 50.1	1.535	2.430	13.4	20.7
4 21	15 27.06	−16 45.6	1.480	2.438	9.1	20.5
5 1	15 17.40	−16 35.3	1.449	2.446	4.4	20.2
5 11	15 6.71	−16 21.6	1.444	2.454	0.8	20.0
5 21	14 56.26	−16 7.6	1.466	2.461	5.6	20.3
5 31	14 47.27	−15 57.5	1.514	2.468	10.2	20.6
6 10	14 40.62	−15 54.7	1.585	2.475	14.2	20.9

247926 2003 WU_{100} 5 9.9 288°.98 7°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.59	−39 0.3	2.028	2.755	16.7	20.4
4 11	15 33.00	−39 32.7	1.909	2.726	14.6	20.2
4 21	15 26.41	−39 46.2	1.807	2.697	12.1	20.0
5 1	15 17.30	−39 35.8	1.727	2.668	9.6	19.8
5 11	15 6.69	−38 58.5	1.671	2.638	7.9	19.6
5 21	14 55.88	−37 54.8	1.641	2.609	8.2	19.5
5 31	14 46.27	−36 29.9	1.635	2.579	10.4	19.6
6 10	14 39.00	−34 52.6	1.654	2.549	13.4	19.7

184226 2004 RR_{89} 5 9.9 292°.07 7°.3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.14	+ 0 39.5	2.307	3.121	12.4	19.9
4 11	15 25.91	+ 2 11.5	2.211	3.097	10.3	19.7
4 21	15 20.83	+ 3 42.6	2.139	3.073	8.3	19.6
5 1	15 14.33	+ 5 6.5	2.093	3.048	7.3	19.5
5 11	15 7.09	+ 6 16.8	2.074	3.024	7.9	19.4
5 21	14 59.83	+ 7 8.3	2.080	2.999	9.8	19.5
5 31	14 53.31	+ 7 38.0	2.111	2.974	12.2	19.6
6 10	14 48.19	+ 7 45.1	2.162	2.949	14.6	19.7

269775 1999 TJ_{111} 5 9.9 248°.84 0°.1/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.92	−20 47.5	2.273	3.065	13.3	21.1
4 11	15 29.81	−20 19.3	2.164	3.048	10.6	20.9
4 21	15 23.57	−19 40.7	2.078	3.031	7.3	20.6
5 1	15 15.68	−18 52.7	2.017	3.013	3.6	20.4
5 11	15 6.92	−17 58.1	1.984	2.994	0.4	20.1
5 21	14 58.16	−17 0.9	1.981	2.975	4.4	20.3
5 31	14 50.28	−16 6.0	2.005	2.956	8.3	20.5
6 10	14 44.04	−15 18.0	2.053	2.936	11.7	20.7

21472 Stimson 5 9.9 199°.21 0°.3/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 38.24	−18 34.2	1.730	2.535	16.2	18.9
4 11	15 33.79	−18 40.7	1.642	2.533	12.9	18.7
4 21	15 26.58	−18 39.5	1.575	2.532	8.9	18.4
5 1	15 17.21	−18 30.9	1.533	2.529	4.4	18.1
5 11	15 6.73	−18 16.8	1.517	2.527	0.5	17.8
5 21	14 56.33	−17 59.9	1.529	2.524	5.3	18.2
5 31	14 47.22	−17 44.5	1.566	2.521	9.8	18.4
6 10	14 40.32	−17 34.7	1.626	2.518	13.8	18.7

130213 2000 AX_{222} 5 9.9 147°.63 2°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.06	−12 45.8	2.084	2.895	13.7	20.6
4 11	15 29.83	−12 24.7	2.002	2.897	10.7	20.4
4 21	15 23.49	−11 59.6	1.941	2.900	7.3	20.2
5 1	15 15.59	−11 33.2	1.907	2.903	3.7	20.0
5 11	15 6.95	−11 8.6	1.900	2.905	2.4	19.9
5 21	14 58.45	−10 49.1	1.921	2.907	5.5	20.1
5 31	14 50.97	−10 37.5	1.968	2.909	9.0	20.3
6 10	14 45.19	−10 36.0	2.039	2.911	12.2	20.5

492206 2013 SL_{16} 5 9.9 255°.82 0°.8/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.26	−21 24.1	1.989	2.782	14.8	22.9
4 11	15 32.10	−21 14.9	1.879	2.763	11.9	22.7
4 21	15 25.40	−20 55.1	1.791	2.743	8.3	22.4
5 1	15 16.67	−20 24.8	1.728	2.722	4.3	22.1
5 11	15 6.80	−19 46.0	1.692	2.701	0.9	21.8
5 21	14 56.83	−19 2.3	1.683	2.679	4.9	22.1
5 31	14 47.87	−18 18.6	1.702	2.657	9.2	22.3
6 10	14 40.83	−17 40.1	1.745	2.634	13.1	22.5

505069 2011 SE_{185} 5 9.9 132°.10 0°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.27	−16 55.4	2.681	3.471	11.5	22.2
4 11	15 29.53	−17 0.7	2.595	3.479	9.0	22.0
4 21	15 23.05	−17 1.7	2.533	3.486	6.1	21.8
5 1	15 15.31	−16 59.0	2.498	3.494	2.9	21.6
5 11	15 6.99	−16 53.9	2.491	3.501	0.5	21.4
5 21	14 58.77	−16 48.3	2.514	3.508	3.7	21.7
5 31	14 51.37	−16 44.2	2.566	3.515	6.8	21.9
6 10	14 45.34	−16 43.8	2.643	3.521	9.6	22.1

20640 1999 TF_{118} 5 9.9 203°.14 1°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.08	−26 50.7	4.062	4.814	8.5	19.9
4 11	15 25.04	−26 52.0	3.956	4.810	6.9	19.8
4 21	15 19.80	−26 46.2	3.874	4.805	5.0	19.7
5 1	15 13.70	−26 33.5	3.819	4.800	3.1	19.5
5 11	15 7.19	−26 14.4	3.793	4.795	1.8	19.4
5 21	15 0.71	−25 50.3	3.798	4.789	2.7	19.5
5 31	14 54.73	−25 23.1	3.831	4.783	4.7	19.6
6 10	14 49.66	−24 55.3	3.892	4.777	6.6	19.7

391340 2006 UE_{92} 5 9.9 152°.75 0°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.44	−18 13.3	2.618	3.408	11.8	22.3
4 11	15 28.95	−18 8.1	2.530	3.413	9.2	22.1
4 21	15 22.69	−17 57.1	2.465	3.418	6.3	21.9
5 1	15 15.16	−17 41.3	2.427	3.423	3.0	21.7
5 11	15 7.01	−17 22.3	2.417	3.427	0.4	21.5
5 21	14 58.99	−17 2.5	2.437	3.431	3.8	21.8
5 31	14 51.79	−16 44.7	2.485	3.435	7.0	22.0
6 10	14 45.98	−16 31.2	2.559	3.438	9.8	22.2

29170 1990 OA_3 5 9.9 296°.54 1°.2/10.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.14	−23 49.7	2.106	2.900	14.1	17.9
4 11	15 27.79	−23 24.8	2.007	2.890	11.3	17.7
4 21	15 22.25	−22 47.2	1.931	2.881	7.9	17.5
5 1	15 15.05	−21 57.7	1.879	2.872	4.2	17.2
5 11	15 7.02	−20 58.9	1.854	2.863	1.2	17.0
5 21	14 59.08	−19 55.2	1.857	2.854	4.4	17.2
5 31	14 52.14	−18 52.0	1.887	2.845	8.2	17.4
6 10	14 46.92	−17 54.9	1.942	2.836	11.7	17.6

12660 1975 NC 5 9.9 329°.99 2°.7/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.58	−25 51.4	1.627	2.433	17.1	17.4
4 11	15 28.16	−25 48.3	1.533	2.421	13.9	17.1
4 21	15 22.95	−25 29.4	1.460	2.409	10.0	16.9
5 1	15 15.54	−24 54.1	1.408	2.399	5.8	16.6
5 11	15 6.95	−24 4.2	1.382	2.388	2.7	16.4
5 21	14 58.41	−23 4.3	1.381	2.379	5.4	16.5
5 31	14 51.15	−22 1.2	1.405	2.370	9.8	16.7
6 10	14 46.13	−21 2.4	1.451	2.361	14.0	17.0

168196 2006 JL_5 5 9.9 178°.56 0°.9/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.96	−18 49.9	1.672	2.484	16.4	20.9
4 11	15 31.95	−18 9.6	1.589	2.485	13.0	20.6
4 21	15 25.26	−17 17.3	1.527	2.486	8.8	20.4
5 1	15 16.54	−16 15.7	1.488	2.486	4.2	20.1
5 11	15 6.85	−15 9.6	1.477	2.486	1.2	19.9
5 21	14 57.37	−14 5.0	1.493	2.486	5.8	20.2
5 31	14 49.23	−13 8.4	1.534	2.485	10.3	20.5
6 10	14 43.28	−12 24.9	1.598	2.484	14.3	20.7

405870 2006 DL_{149} 5 9.9 77°.71 3°.8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.63	−12 56.6	1.371	2.205	18.2	20.7
4 11	15 31.90	−11 54.2	1.311	2.219	14.2	20.5
4 21	15 25.24	−10 44.3	1.270	2.234	9.7	20.3
5 1	15 16.48	− 9 32.8	1.254	2.249	5.3	20.1
5 11	15 6.87	− 8 27.2	1.262	2.264	4.2	20.1
5 21	14 57.70	− 7 34.2	1.295	2.279	8.0	20.3
5 31	14 50.17	− 6 59.0	1.353	2.294	12.3	20.6
6 10	14 45.06	− 6 43.8	1.430	2.308	16.1	20.9

91379 1999 JN_{105} 5 9.9 347°.93 1°.4/10.6 18

4 1	15 31.69	−21 8.1	1.407	2.234	18.2	19.3
4 11	15 29.33	−21 19.7	1.325	2.227	14.6	19.1
4 21	15 23.91	−21 20.0	1.262	2.221	10.2	18.8
5 1	15 16.05	−21 8.9	1.220	2.216	5.3	18.5
5 11	15 6.90	−20 48.1	1.203	2.212	1.5	18.2
5 21	14 57.82	−20 21.5	1.210	2.209	5.8	18.5
5 31	14 50.19	−19 54.6	1.241	2.206	10.7	18.8
6 10	14 45.05	−19 33.2	1.293	2.205	15.2	19.0

481069 2005 QU_{139} 5 9.9 260°.45 0°.1/ 9.8 16

4 1	15 32.66	−18 34.1	2.658	3.449	11.6	22.7
4 11	15 28.52	−18 21.0	2.545	3.428	9.2	22.5
4 21	15 22.54	−18 1.2	2.454	3.407	6.3	22.3
5 1	15 15.16	−17 35.7	2.390	3.386	3.0	22.0
5 11	15 7.02	−17 6.3	2.355	3.365	0.4	21.8
5 21	14 58.83	−16 35.8	2.349	3.343	3.9	22.0
5 31	14 51.35	−16 7.1	2.371	3.320	7.3	22.2
6 10	14 45.20	−15 43.5	2.419	3.297	10.3	22.4

337832 2001 VH_{57} 5 9.9 259°.39 1°.3/ 7.9 17

4 1	15 24.29	−13 47.4	4.524	5.319	7.1	20.4
4 11	15 21.12	−12 58.8	4.426	5.314	5.5	20.3
4 21	15 17.05	−12 7.0	4.354	5.310	3.7	20.2
5 1	15 12.36	−11 13.7	4.310	5.305	1.9	20.0
5 11	15 7.38	−10 21.0	4.298	5.301	1.4	20.0
5 21	15 2.47	− 9 31.1	4.315	5.296	3.0	20.1
5 31	14 57.96	− 8 45.9	4.363	5.291	4.9	20.2
6 10	14 54.14	− 8 7.2	4.436	5.286	6.6	20.3

109013 2001 QS_4 5 9.9 359°.21 8°.3/15.2 18

4 1	15 33.26	−37 34.7	1.695	2.450	18.5	19.0
4 11	15 30.58	−38 26.6	1.611	2.447	16.0	18.8
4 21	15 24.77	−38 58.5	1.544	2.446	13.1	18.7
5 1	15 16.47	−39 5.3	1.498	2.445	10.3	18.5
5 11	15 6.85	−38 45.0	1.475	2.445	8.5	18.4
5 21	14 57.34	−37 59.0	1.476	2.446	8.7	18.4
5 31	14 49.34	−36 53.5	1.500	2.448	10.8	18.5
6 10	14 43.92	−35 37.6	1.546	2.450	13.6	18.7

325432 2009 OJ_{19} 5 9.9 305°.80 0°.8/ 9.5 17

4 1	15 32.23	−17 53.5	1.480	2.309	17.4	21.0
4 11	15 29.69	−17 35.1	1.383	2.289	13.9	20.7
4 21	15 24.18	−17 6.0	1.306	2.269	9.6	20.4
5 1	15 16.23	−16 27.6	1.251	2.249	4.6	20.0
5 11	15 6.88	−15 43.7	1.221	2.230	1.1	19.7
5 21	14 57.42	−14 59.8	1.216	2.211	6.3	20.0
5 31	14 49.23	−14 22.1	1.234	2.193	11.5	20.3
6 10	14 43.40	−13 56.3	1.274	2.175	16.2	20.5

222631 2001 XR_{114} 5 9.9 117°.25 1°.6/10.9 17

4 1	15 37.54	−23 7.9	2.041	2.826	14.8	20.9
4 11	15 32.67	−23 11.7	1.963	2.840	11.8	20.7
4 21	15 25.47	−23 5.2	1.907	2.854	8.3	20.6
5 1	15 16.55	−22 48.2	1.876	2.867	4.5	20.3
5 11	15 6.87	−22 22.4	1.872	2.880	1.6	20.2
5 21	14 57.43	−21 50.8	1.897	2.893	4.4	20.4
5 31	14 49.20	−21 17.7	1.949	2.905	8.1	20.6
6 10	14 42.90	−20 47.8	2.026	2.917	11.5	20.9

336203 Sandrobuss 5 9.9 264°.64 1°.5/ 8.9 17

4 1	15 34.52	−15 12.4	2.074	2.880	13.9	21.8
4 11	15 30.50	−14 51.7	1.967	2.861	11.0	21.5
4 21	15 24.18	−14 24.7	1.882	2.841	7.5	21.3
5 1	15 16.05	−13 53.1	1.823	2.820	3.7	21.0
5 11	15 6.91	−13 20.2	1.792	2.799	1.7	20.8
5 21	14 57.70	−12 49.5	1.788	2.778	5.4	21.0
5 31	14 49.41	−12 25.1	1.811	2.757	9.4	21.2
6 10	14 42.84	−12 10.1	1.858	2.735	13.0	21.4

429674 2011 GX_{87} 5 9.9 19°.93 8°.7/ 4.3 17

4 1	15 30.87	+ 0 4.7	1.579	2.413	16.2	20.6
4 11	15 27.85	+ 1 28.1	1.518	2.417	13.3	20.4
4 21	15 22.37	+ 2 46.9	1.477	2.421	10.5	20.2
5 1	15 15.10	+ 3 52.6	1.460	2.425	8.8	20.1
5 11	15 7.05	+ 4 38.1	1.466	2.430	9.2	20.2
5 21	14 59.26	+ 4 58.6	1.497	2.436	11.4	20.3
5 31	14 52.73	+ 4 52.5	1.549	2.442	14.2	20.5
6 10	14 48.19	+ 4 21.7	1.621	2.448	17.0	20.7

438441 2006 WX_{160} 5 9.9 257°.77 4°.8/ 6.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.67	− 3 26.6	2.437	3.244	12.0	21.5
4 11	15 28.50	− 2 51.9	2.342	3.231	9.7	21.3
4 21	15 22.50	− 2 19.1	2.272	3.218	7.2	21.1
5 1	15 15.12	− 1 51.8	2.227	3.205	5.2	21.0
5 11	15 7.04	− 1 33.7	2.210	3.191	5.1	21.0
5 21	14 59.00	− 1 27.5	2.220	3.178	7.1	21.1
5 31	14 51.73	− 1 35.1	2.257	3.164	9.7	21.2
6 10	14 45.85	− 1 56.7	2.317	3.150	12.3	21.4

391027 2005 SV_{270} 5 9.9 244°.88 3°.6/ 6.8 18

4 1	15 31.13	− 7 16.2	2.643	3.450	11.2	21.4
4 11	15 27.15	− 6 35.6	2.546	3.438	8.9	21.2
4 21	15 21.51	− 5 54.0	2.473	3.425	6.3	21.0
5 1	15 14.63	− 5 14.5	2.426	3.412	4.1	20.9
5 11	15 7.12	− 4 40.6	2.408	3.399	3.9	20.8
5 21	14 59.65	− 4 15.5	2.418	3.386	6.0	20.9
5 31	14 52.88	− 4 1.4	2.456	3.372	8.6	21.1
6 10	14 47.39	− 3 59.6	2.517	3.358	11.2	21.2

268489 2005 YF_3 5 9.9 239°.51 4°.4/12.1 18

4 1	15 41.00	−28 23.6	2.145	2.904	15.0	20.2
4 11	15 35.90	−29 12.0	2.037	2.891	12.4	20.0
4 21	15 28.09	−29 50.5	1.951	2.877	9.4	19.8
5 1	15 18.04	−30 15.9	1.889	2.863	6.3	19.6
5 11	15 6.68	−30 26.2	1.854	2.848	4.4	19.4
5 21	14 55.13	−30 21.8	1.847	2.833	5.8	19.5
5 31	14 44.60	−30 5.6	1.868	2.817	8.9	19.6
6 10	14 36.10	−29 43.1	1.913	2.801	12.2	19.8

333483 2004 TT_{163} 5 9.9 285°.93 0°.3/10.1 18

4 1	15 35.71	−18 56.9	1.876	2.680	15.2	21.0
4 11	15 31.93	−19 0.2	1.762	2.652	12.2	20.8
4 21	15 25.48	−18 55.8	1.669	2.625	8.5	20.5
5 1	15 16.83	−18 43.7	1.600	2.597	4.2	20.2
5 11	15 6.83	−18 25.5	1.559	2.568	0.5	19.8
5 21	14 56.59	−18 3.9	1.544	2.540	5.2	20.1
5 31	14 47.30	−17 43.2	1.555	2.511	9.8	20.3
6 10	14 39.99	−17 27.7	1.590	2.482	14.0	20.5

498474 2008 CQ_{58} 5 9.9 120°.95 2°.9/11.8 17

4 1	15 36.85	−26 52.2	1.715	2.503	17.0	22.0
4 11	15 32.75	−26 50.2	1.634	2.510	13.8	21.8
4 21	15 25.84	−26 32.6	1.574	2.517	10.0	21.5
5 1	15 16.84	−25 58.6	1.536	2.524	5.9	21.3
5 11	15 6.85	−25 10.0	1.525	2.530	2.9	21.1
5 21	14 57.12	−24 11.4	1.540	2.536	5.3	21.3
5 31	14 48.83	−23 9.5	1.582	2.542	9.3	21.5
6 10	14 42.84	−22 11.2	1.647	2.548	13.1	21.8

45431 2000 AR_{170} 5 9.9 249°.94 3°.2/ 7.8 18

4 1	15 34.33	−13 0.0	1.779	2.598	15.3	19.5
4 11	15 30.60	−12 7.8	1.685	2.586	12.1	19.2
4 21	15 24.36	−11 7.8	1.612	2.573	8.3	19.0
5 1	15 16.16	−10 4.1	1.564	2.559	4.5	18.7
5 11	15 6.93	− 9 2.2	1.543	2.545	3.5	18.6
5 21	14 57.73	− 8 8.0	1.548	2.531	7.0	18.8
5 31	14 49.65	− 7 26.9	1.580	2.517	11.1	19.0
6 10	14 43.55	− 7 2.3	1.633	2.502	14.9	19.2

459645 2013 JG_{37} 5 9.9 324°.39 0°.0/ 9.7 17

4 1	15 27.93	−20 22.6	1.166	2.014	19.9	20.5
4 11	15 27.09	−20 0.0	1.077	1.992	16.0	20.1
4 21	15 22.85	−19 20.3	1.004	1.971	11.1	19.8
5 1	15 15.74	−18 24.7	0.952	1.951	5.5	19.4
5 11	15 6.97	−17 18.1	0.923	1.932	0.7	19.0
5 21	14 58.08	−16 8.2	0.915	1.914	7.0	19.3
5 31	14 50.72	−15 4.6	0.930	1.898	13.0	19.6
6 10	14 46.18	−14 16.1	0.963	1.882	18.4	19.8

222718 2002 AC_{125} 5 9.9 165°.62 5°.8/ 5.1 17

4 1	15 34.57	− 0 55.1	2.474	3.275	12.1	21.7
4 11	15 29.76	+ 0 5.0	2.400	3.281	9.8	21.5
4 21	15 23.20	+ 1 2.3	2.349	3.286	7.5	21.4
5 1	15 15.40	+ 1 52.0	2.325	3.291	6.0	21.3
5 11	15 7.05	+ 2 29.8	2.329	3.295	6.1	21.3
5 21	14 58.88	+ 2 52.7	2.361	3.298	7.9	21.4
5 31	14 51.57	+ 2 59.0	2.419	3.301	10.2	21.6
6 10	14 45.68	+ 2 48.8	2.499	3.303	12.4	21.7

207882 2007 VF_{316} 5 9.9 239°.99 0°.3/10.2 17

4 1	15 32.88	−20 11.6	2.253	3.048	13.3	21.4
4 11	15 28.94	−19 59.3	2.157	3.043	10.5	21.2
4 21	15 22.94	−19 38.5	2.084	3.037	7.2	20.9
5 1	15 15.39	−19 10.1	2.036	3.032	3.6	20.7
5 11	15 7.05	−18 36.3	2.016	3.026	0.5	20.4
5 21	14 58.78	−18 0.4	2.024	3.020	4.2	20.7
5 31	14 51.44	−17 26.1	2.060	3.014	7.9	20.9
6 10	14 45.71	−16 57.3	2.120	3.007	11.2	21.1

517685 2015 DJ_{232} 5 9.9 94.°02 1.°6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.47	−14 22.8	1.977	2.786	14.4	21.8
4 11	15 30.95	−14 4.0	1.907	2.801	11.2	21.6
4 21	15 24.24	−13 40.3	1.858	2.816	7.6	21.4
5 1	15 15.95	−13 14.0	1.834	2.831	3.7	21.2
5 11	15 6.99	−12 48.2	1.839	2.846	1.9	21.1
5 21	14 58.30	−12 26.2	1.870	2.860	5.2	21.4
5 31	14 50.76	−12 11.3	1.929	2.874	8.9	21.6
6 10	14 45.04	−12 5.7	2.012	2.888	12.2	21.9

97973 2000 QB_{165} 5 9.9 192.°22 1.°6/ 7.5 18

4 1	15 23.70	−10 39.2	4.669	5.467	6.8	20.2
4 11	15 20.64	−10 5.8	4.577	5.467	5.3	20.1
4 21	15 16.73	− 9 30.8	4.511	5.466	3.6	20.0
5 1	15 12.23	− 8 56.0	4.473	5.465	2.1	19.9
5 11	15 7.46	− 8 23.1	4.466	5.464	1.8	19.9
5 21	15 2.74	− 7 53.6	4.488	5.463	3.1	20.0
5 31	14 58.40	− 7 29.2	4.539	5.462	4.8	20.1
6 10	14 54.72	− 7 10.8	4.615	5.461	6.4	20.2

222501 2001 ST_{315} 5 9.9 227.°61 4.°7/12.9 18

4 1	15 38.70	−31 32.2	2.211	2.960	14.8	20.7
4 11	15 33.96	−31 59.0	2.105	2.950	12.4	20.5
4 21	15 26.65	−32 12.2	2.020	2.938	9.6	20.3
5 1	15 17.30	−32 9.0	1.958	2.926	6.7	20.1
5 11	15 6.82	−31 48.6	1.924	2.914	4.8	20.0
5 21	14 56.30	−31 12.5	1.917	2.901	5.7	20.0
5 31	14 46.85	−30 25.0	1.937	2.887	8.6	20.1
6 10	14 39.39	−29 32.4	1.982	2.873	11.7	20.3

449544 2014 HE_{146} 5 9.9 321.°72 1.°4/10.5 16

4 1	15 35.34	−19 3.9	1.915	2.718	15.0	20.6
4 11	15 31.60	−19 45.1	1.806	2.695	12.0	20.4
4 21	15 25.24	−20 22.5	1.719	2.672	8.5	20.1
5 1	15 16.72	−20 55.0	1.656	2.650	4.5	19.8
5 11	15 6.88	−21 22.0	1.620	2.629	1.4	19.5
5 21	14 56.79	−21 43.9	1.611	2.608	5.0	19.7
5 31	14 47.63	−22 2.6	1.629	2.587	9.3	19.9
6 10	14 40.40	−22 21.0	1.671	2.568	13.2	20.1

338247 2002 TC_{176} 5 9.9 179.°37 2.°5/12.2 18

4 1	15 34.39	−28 38.0	2.829	3.582	11.8	21.1
4 11	15 29.70	−28 27.9	2.731	3.584	9.6	21.0
4 21	15 23.23	−28 6.2	2.655	3.585	7.1	20.8
5 1	15 15.45	−27 32.6	2.605	3.585	4.4	20.6
5 11	15 7.07	−26 48.6	2.584	3.585	2.5	20.5
5 21	14 58.82	−25 56.6	2.592	3.585	3.8	20.6
5 31	14 51.41	−25 0.7	2.630	3.583	6.4	20.8
6 10	14 45.44	−24 5.2	2.694	3.582	9.1	20.9

213210 2000 UK_{49} 5 9.9 257.°54 0.°9/ 9.2 18

4 1	15 33.26	−15 34.4	2.785	3.577	11.1	20.9
4 11	15 28.89	−15 21.0	2.669	3.555	8.7	20.7
4 21	15 22.76	−15 2.8	2.577	3.532	6.0	20.5
5 1	15 15.29	−14 41.3	2.512	3.509	2.9	20.2
5 11	15 7.08	−14 18.3	2.477	3.485	1.1	20.0
5 21	14 58.81	−13 56.3	2.471	3.461	4.1	20.2
5 31	14 51.19	−13 37.8	2.493	3.437	7.3	20.4
6 10	14 44.83	−13 25.5	2.541	3.411	10.2	20.5

299851 2006 SP_{245} 5 9.9 172.°36 0.°5/ 9.5 17

4 1	15 32.88	−17 11.0	2.520	3.315	12.0	22.1
4 11	15 28.61	−16 56.5	2.430	3.317	9.4	22.0
4 21	15 22.53	−16 36.2	2.363	3.319	6.4	21.8
5 1	15 15.14	−16 11.4	2.323	3.320	3.0	21.5
5 11	15 7.11	−15 44.4	2.311	3.321	0.7	21.4
5 21	14 59.19	−15 17.9	2.329	3.321	4.1	21.6
5 31	14 52.11	−14 54.8	2.374	3.322	7.3	21.8
6 10	14 46.45	−14 37.9	2.444	3.322	10.3	22.0

5476 1989 TO_{11} 5 9.9 301.°25 1.°7/ 7.6 18

4 1	15 24.16	−11 14.3	4.149	4.951	7.6	17.7
4 11	15 21.13	−10 37.9	4.054	4.945	5.9	17.6
4 21	15 17.13	− 9 59.4	3.984	4.940	4.0	17.4
5 1	15 12.45	− 9 20.7	3.942	4.935	2.3	17.3
5 11	15 7.45	− 8 43.8	3.930	4.930	1.9	17.3
5 21	15 2.50	− 8 10.7	3.947	4.925	3.4	17.4
5 31	14 57.97	− 7 43.1	3.993	4.920	5.3	17.5
6 10	14 54.18	− 7 22.3	4.065	4.915	7.1	17.6

250754 2005 SG_{212} 5 9.9 290.°08 2.°0/ 8.2 17

4 1	15 29.68	−15 13.5	2.312	3.122	12.5	20.6
4 11	15 26.29	−14 19.5	2.220	3.116	9.8	20.4
4 21	15 21.04	−13 18.1	2.151	3.111	6.6	20.2
5 1	15 14.45	−12 12.4	2.108	3.105	3.3	20.0
5 11	15 7.20	−11 6.8	2.094	3.099	2.2	19.9
5 21	15 0.06	−10 5.9	2.108	3.094	5.2	20.1
5 31	14 53.77	− 9 14.0	2.150	3.088	8.5	20.3
6 10	14 48.95	− 8 34.3	2.215	3.083	11.6	20.5

459501 2013 CD_{207} 5 9.9 193.°70 2.°6/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 38.93	−25 2.8	1.558	2.355	18.1	22.2
4 11	15 34.81	−25 6.8	1.472	2.354	14.7	21.9
4 21	15 27.54	−24 56.0	1.405	2.353	10.5	21.7
5 1	15 17.80	−24 29.1	1.361	2.351	6.0	21.4
5 11	15 6.79	−23 47.6	1.342	2.349	2.6	21.2
5 21	14 55.91	−22 55.8	1.350	2.346	5.7	21.4
5 31	14 46.56	−22 0.6	1.382	2.343	10.3	21.6
6 10	14 39.77	−21 9.7	1.438	2.340	14.6	21.9

144153 2004 BL_{97} 5 9.9 217.°62 4.°0/ 7.4 17

4 1	15 36.68	− 8 28.1	2.003	2.813	14.2	21.1
4 11	15 32.08	− 7 49.9	1.911	2.805	11.2	20.8
4 21	15 25.18	− 7 9.6	1.842	2.797	7.9	20.6
5 1	15 16.52	− 6 31.0	1.798	2.787	4.9	20.4
5 11	15 6.95	− 5 58.7	1.782	2.778	4.3	20.4
5 21	14 57.44	− 5 36.4	1.793	2.767	7.1	20.5
5 31	14 48.96	− 5 27.3	1.831	2.756	10.6	20.7
6 10	14 42.27	− 5 32.9	1.891	2.744	13.9	20.9

141983 2002 PJ_{132} 5 9.9 304.°44 2.°8/ 8.5 18

4 1	15 32.87	−13 30.9	1.432	2.268	17.5	19.9
4 11	15 30.20	−13 2.1	1.341	2.251	13.9	19.6
4 21	15 24.53	−12 25.8	1.269	2.233	9.6	19.3
5 1	15 16.42	−11 45.5	1.219	2.217	4.9	19.0
5 11	15 6.95	−11 6.4	1.194	2.200	3.2	18.8
5 21	14 57.40	−10 34.2	1.194	2.184	7.4	19.0
5 31	14 49.16	−10 14.1	1.217	2.168	12.4	19.2
6 10	14 43.30	−10 10.1	1.260	2.153	16.9	19.5

421534 2014 OC_{154} 5 9.9 258.°80 0.°4/10.1 16

4 1	15 38.33	−19 38.3	1.560	2.370	17.5	22.5
4 11	15 34.50	−19 36.0	1.459	2.353	14.1	22.2
4 21	15 27.51	−19 23.3	1.377	2.334	9.8	21.9
5 1	15 17.91	−19 0.3	1.318	2.315	4.9	21.5
5 11	15 6.76	−18 29.0	1.286	2.295	0.6	21.2
5 21	14 55.44	−17 53.4	1.279	2.275	6.0	21.5
5 31	14 45.41	−17 19.3	1.297	2.255	11.2	21.7
6 10	14 37.84	−16 52.7	1.338	2.234	15.9	21.9

474159 1999 RJ 5 9.9 277.°59 6.°9/15.3 18

4 1	15 35.64	−39 40.6	2.505	3.212	14.3	21.5
4 11	15 31.55	−40 14.9	2.392	3.194	12.5	21.4
4 21	15 25.02	−40 33.3	2.298	3.175	10.4	21.2
5 1	15 16.53	−40 32.1	2.226	3.157	8.4	21.0
5 11	15 6.95	−40 9.6	2.180	3.138	7.0	20.9
5 21	14 57.30	−39 26.5	2.160	3.119	7.1	20.9
5 31	14 48.66	−38 26.5	2.166	3.100	8.7	20.9
6 10	14 41.90	−37 15.9	2.196	3.080	11.0	21.0

267384 2001 XO_{233} 5 9.9 161.°72 0.°9/10.5 17

4 1	15 36.23	−21 58.4	2.198	2.984	13.8	22.1
4 11	15 31.55	−21 46.0	2.111	2.990	11.0	21.9
4 21	15 24.69	−21 23.8	2.045	2.995	7.6	21.7
5 1	15 16.22	−20 52.2	2.005	2.999	3.9	21.5
5 11	15 7.01	−20 13.6	1.994	3.003	0.9	21.2
5 21	14 57.96	−19 31.3	2.010	3.006	4.2	21.5
5 31	14 49.97	−18 49.7	2.055	3.009	7.9	21.7
6 10	14 43.74	−18 13.2	2.125	3.011	11.2	21.9

502539 2015 BC_{446} 5 9.9 114.°61 2.°0/11.2 17

4 1	15 37.91	−23 53.7	2.063	2.844	14.8	22.3
4 11	15 32.98	−24 2.0	1.985	2.859	11.8	22.1
4 21	15 25.70	−23 59.6	1.929	2.874	8.4	21.9
5 1	15 16.71	−23 46.3	1.899	2.888	4.6	21.7
5 11	15 6.96	−23 23.3	1.895	2.902	2.0	21.5
5 21	14 57.45	−22 53.6	1.920	2.916	4.5	21.7
5 31	14 49.14	−22 21.5	1.973	2.929	8.1	22.0
6 10	14 42.77	−21 51.4	2.050	2.941	11.3	22.2

176345 2001 TS_{16} 5 9.9 213.°89 7.°4/ 3.3 18

4 1	15 34.68	+ 9 30.6	2.938	3.710	11.0	20.5
4 11	15 29.65	+10 15.4	2.856	3.702	9.5	20.3
4 21	15 23.07	+10 51.9	2.798	3.693	8.1	20.2
5 1	15 15.37	+11 15.6	2.766	3.684	7.4	20.2
5 11	15 7.12	+11 23.2	2.760	3.675	7.7	20.2
5 21	14 58.97	+11 12.9	2.781	3.664	8.9	20.2
5 31	14 51.53	+10 44.3	2.827	3.654	10.5	20.3
6 10	14 45.31	+ 9 58.9	2.895	3.642	12.1	20.4

266871 2009 VR_{3} 5 9.9 346.°92 3.°0/11.1 17

4 1	15 34.35	−22 20.0	1.397	2.217	18.7	19.5
4 11	15 31.63	−23 4.7	1.313	2.209	15.1	19.3
4 21	15 25.66	−23 40.1	1.248	2.203	10.9	19.0
5 1	15 17.03	−24 4.1	1.205	2.197	6.2	18.7
5 11	15 6.91	−24 15.8	1.186	2.193	3.0	18.5
5 21	14 56.76	−24 16.7	1.192	2.189	6.1	18.7
5 31	14 48.10	−24 10.9	1.221	2.186	10.9	18.9
6 10	14 42.09	−24 4.2	1.271	2.184	15.3	19.2

246453 2007 VH_{238} 5 9.9 216°.37 0°.4/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.88	−18 9.5	2.333	3.131	12.8	21.2
4 11	15 28.83	−17 49.6	2.239	3.127	10.1	21.0
4 21	15 22.82	−17 22.3	2.167	3.123	6.9	20.8
5 1	15 15.34	−16 49.1	2.121	3.118	3.3	20.5
5 11	15 7.13	−16 12.6	2.104	3.113	0.7	20.3
5 21	14 59.01	−15 36.1	2.115	3.108	4.3	20.6
5 31	14 51.78	−15 3.4	2.153	3.103	7.9	20.8
6 10	14 46.09	−14 37.6	2.217	3.098	11.0	21.0

88775 2001 SY_{76} 5 9.9 135°.59 0°.2/ 9.6 18

4 1	15 24.76	−17 40.4	4.491	5.277	7.3	20.4
4 11	15 21.53	−17 23.0	4.397	5.280	5.6	20.3
4 21	15 17.37	−17 1.9	4.328	5.282	3.8	20.2
5 1	15 12.57	−16 38.2	4.288	5.284	1.8	20.0
5 11	15 7.48	−16 13.3	4.277	5.286	0.4	19.9
5 21	15 2.44	−15 48.6	4.296	5.289	2.4	20.0
5 31	14 57.81	−15 25.7	4.344	5.291	4.3	20.2
6 10	14 53.90	−15 6.2	4.419	5.293	6.1	20.3

109334 2001 QL_{143} 5 9.9 133°.59 0°.2/ 9.8 17

4 1	15 36.26	−19 6.7	1.976	2.775	14.7	20.5
4 11	15 31.71	−18 47.0	1.897	2.785	11.6	20.3
4 21	15 24.86	−18 18.2	1.839	2.794	7.9	20.1
5 1	15 16.32	−17 42.1	1.807	2.803	3.8	19.9
5 11	15 7.02	−17 1.5	1.802	2.812	0.5	19.6
5 21	14 57.95	−16 20.6	1.826	2.820	4.8	20.0
5 31	14 50.06	−15 43.8	1.876	2.828	8.7	20.2
6 10	14 44.06	−15 15.0	1.951	2.835	12.2	20.4

138688 2000 SE_{53} 5 9.9 248°.15 0°.7/ 9.4 16

4 1	15 31.62	−17 38.2	2.493	3.291	12.1	20.8
4 11	15 27.76	−17 11.6	2.391	3.280	9.5	20.6
4 21	15 22.05	−16 37.7	2.312	3.269	6.5	20.4
5 1	15 14.97	−15 58.4	2.260	3.257	3.1	20.1
5 11	15 7.18	−15 16.3	2.237	3.246	0.9	19.9
5 21	14 59.44	−14 34.7	2.242	3.234	4.2	20.2
5 31	14 52.48	−13 57.4	2.274	3.222	7.6	20.4
6 10	14 46.94	−13 27.5	2.332	3.209	10.7	20.5

283038 2008 BS_{14} 5 9.9 164°.36 4°.3/ 6.2 18

4 1	15 30.79	− 6 12.9	2.466	3.278	11.8	21.1
4 11	15 26.92	− 5 16.6	2.386	3.280	9.3	20.9
4 21	15 21.35	− 4 19.7	2.330	3.282	6.7	20.7
5 1	15 14.57	− 3 26.2	2.301	3.283	4.7	20.6
5 11	15 7.24	− 2 40.4	2.300	3.285	4.6	20.6
5 21	15 0.05	− 2 5.7	2.326	3.286	6.6	20.7
5 31	14 53.66	− 1 44.8	2.379	3.288	9.2	20.9
6 10	14 48.63	− 1 38.4	2.455	3.289	11.7	21.0

304708 2006 WB_{198} 5 9.9 220°.74 3°.3/ 7.4 17

4 1	15 32.52	− 7 44.8	2.545	3.351	11.6	21.0
4 11	15 28.28	− 7 19.5	2.455	3.346	9.2	20.8
4 21	15 22.31	− 6 53.8	2.388	3.341	6.4	20.6
5 1	15 15.06	− 6 30.5	2.348	3.336	4.0	20.4
5 11	15 7.19	− 6 12.5	2.336	3.331	3.5	20.4
5 21	14 59.39	− 6 2.4	2.352	3.326	5.7	20.5
5 31	14 52.36	− 6 2.1	2.396	3.320	8.5	20.7
6 10	14 46.67	− 6 12.6	2.464	3.314	11.1	20.9

317379 2002 OW_{22} 5 9.9 274°.32 9°.4/30.5 18

4 1	15 34.84	+ 0 31.0	1.904	2.718	14.6	20.3
4 11	15 31.00	+ 2 55.0	1.801	2.685	12.3	20.1
4 21	15 24.71	+ 5 23.9	1.722	2.651	10.3	19.9
5 1	15 16.44	+ 7 47.7	1.669	2.616	9.4	19.7
5 11	15 7.01	+ 9 55.3	1.644	2.580	10.5	19.7
5 21	14 57.39	+11 37.5	1.644	2.544	13.0	19.8
5 31	14 48.66	+12 47.9	1.667	2.506	16.0	19.9
6 10	14 41.71	+13 25.3	1.710	2.468	18.9	20.0

367916 2012 BX_{124} 5 9.9 161°.06 2°.4/ 8.3 18

4 1	15 36.67	−14 2.7	1.861	2.671	15.1	21.6
4 11	15 32.14	−13 19.4	1.781	2.677	11.8	21.4
4 21	15 25.21	−12 29.4	1.723	2.682	8.0	21.2
5 1	15 16.53	−11 36.0	1.690	2.686	4.1	21.0
5 11	15 7.03	−10 44.0	1.685	2.690	2.7	20.9
5 21	14 57.74	− 9 58.3	1.707	2.693	6.1	21.1
5 31	14 49.66	− 9 23.3	1.756	2.696	10.0	21.3
6 10	14 43.54	− 9 2.1	1.828	2.698	13.5	21.5

379698 2011 FH_{84} 5 9.9 79°.86 4°.8/11.8 17

4 1	15 45.38	−26 17.0	1.811	2.581	17.0	20.8
4 11	15 39.57	−27 38.6	1.733	2.594	13.9	20.7
4 21	15 30.67	−28 51.2	1.676	2.607	10.4	20.5
5 1	15 19.32	−29 50.2	1.643	2.620	6.9	20.3
5 11	15 6.68	−30 32.3	1.638	2.632	4.9	20.2
5 21	14 54.11	−30 57.2	1.660	2.645	6.4	20.3
5 31	14 42.99	−31 7.5	1.709	2.658	9.6	20.5
6 10	14 34.36	−31 8.9	1.782	2.670	13.0	20.7

356645 2011 UF_{49} 5 9.9 205°.24 0°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.74	−18 17.8	3.004	3.791	10.5	22.3
4 11	15 27.47	−17 54.9	2.903	3.785	8.2	22.2
4 21	15 21.66	−17 25.7	2.827	3.780	5.6	22.0
5 1	15 14.72	−16 51.8	2.777	3.773	2.7	21.8
5 11	15 7.24	−16 15.0	2.757	3.767	0.5	21.6
5 21	14 59.82	−15 38.2	2.767	3.759	3.5	21.8
5 31	14 53.08	−15 4.1	2.805	3.752	6.4	22.0
6 10	14 47.52	−14 35.4	2.870	3.744	9.0	22.2

112574 2002 PW_{51} 5 9.9 322°.25 0°.3/ 9.8 17

4 1	15 33.95	−17 45.6	1.399	2.228	18.2	19.9
4 11	15 31.15	−17 45.3	1.313	2.219	14.5	19.6
4 21	15 25.23	−17 36.0	1.247	2.210	10.0	19.3
5 1	15 16.79	−17 18.8	1.203	2.201	4.8	19.0
5 11	15 6.98	−16 56.6	1.183	2.193	0.7	18.7
5 21	14 57.19	−16 33.5	1.188	2.185	6.2	19.1
5 31	14 48.83	−16 14.7	1.216	2.178	11.4	19.3
6 10	14 42.99	−16 5.1	1.266	2.171	16.0	19.6

308390 2005 SO_{29} 5 9.9 48°.06 3°.8/12.6 18

4 1	15 34.16	−29 24.5	2.362	3.123	13.7	20.7
4 11	15 30.05	−29 47.8	2.269	3.125	11.3	20.6
4 21	15 23.77	−29 59.2	2.199	3.126	8.5	20.4
5 1	15 15.85	−29 57.2	2.152	3.127	5.6	20.2
5 11	15 7.11	−29 42.0	2.133	3.128	3.8	20.1
5 21	14 58.44	−29 15.3	2.141	3.129	4.8	20.1
5 31	14 50.76	−28 40.9	2.176	3.131	7.5	20.3
6 10	14 44.78	−28 3.5	2.237	3.132	10.4	20.5

111710 2002 CP_{27} 5 9.9 144°.32 1°.9/10.9 18

4 1	15 40.22	−22 34.7	1.685	2.480	17.0	20.8
4 11	15 35.44	−22 47.7	1.605	2.487	13.6	20.6
4 21	15 27.76	−22 49.8	1.545	2.494	9.6	20.4
5 1	15 17.86	−22 40.0	1.508	2.501	5.2	20.1
5 11	15 6.88	−22 19.5	1.499	2.507	1.9	19.9
5 21	14 56.10	−21 51.7	1.516	2.512	5.2	20.1
5 31	14 46.77	−21 21.5	1.559	2.517	9.6	20.4
6 10	14 39.81	−20 54.6	1.626	2.522	13.5	20.6

385551 2004 TU_{6} 5 9.9 182°.37 3°.0/ 7.3 17

4 1	15 34.43	− 8 44.5	2.823	3.619	10.8	22.7
4 11	15 29.53	− 8 4.5	2.734	3.620	8.5	22.6
4 21	15 23.03	− 7 22.8	2.669	3.621	6.0	22.4
5 1	15 15.38	− 6 42.3	2.632	3.620	3.7	22.2
5 11	15 7.19	− 6 6.2	2.625	3.619	3.3	22.2
5 21	14 59.11	− 5 37.3	2.647	3.617	5.3	22.3
5 31	14 51.77	− 5 17.9	2.697	3.614	7.9	22.5
6 10	14 45.69	− 5 9.3	2.772	3.611	10.4	22.7

209535 2004 TM_{331} 5 9.9 110°.99 0°.9/10.4 18

4 1	15 41.46	−21 3.8	1.752	2.545	16.6	21.1
4 11	15 36.00	−21 1.4	1.684	2.567	13.1	20.9
4 21	15 27.86	−20 48.5	1.637	2.588	9.0	20.7
5 1	15 17.79	−20 25.6	1.614	2.609	4.5	20.5
5 11	15 6.92	−19 55.1	1.619	2.629	0.9	20.3
5 21	14 56.45	−19 20.9	1.652	2.648	5.0	20.6
5 31	14 47.47	−18 47.9	1.711	2.666	9.2	20.9
6 10	14 40.77	−18 20.8	1.795	2.684	12.8	21.2

126139 2001 YD_{128} 5 9.9 90°.97 1°.9/ 9.1 17

4 1	15 39.24	−12 10.7	1.812	2.621	15.5	20.1
4 11	15 34.19	−12 18.1	1.740	2.634	12.1	19.9
4 21	15 26.63	−12 23.6	1.689	2.647	8.3	19.7
5 1	15 17.23	−12 28.6	1.663	2.659	4.1	19.5
5 11	15 6.99	−12 35.3	1.664	2.672	2.0	19.4
5 21	14 56.99	−12 45.4	1.694	2.684	5.6	19.6
5 31	14 48.28	−13 1.1	1.749	2.696	9.6	19.9
6 10	14 41.63	−13 23.9	1.829	2.708	13.1	20.1

57613 2001 TC_{124} 5 9.9 64°.27 0°.2/ 9.7 18

4 1	15 35.10	−23 3.4	1.575	2.383	17.4	19.4
4 11	15 31.13	−21 48.4	1.514	2.407	13.7	19.2
4 21	15 24.53	−20 16.6	1.474	2.431	9.3	19.0
5 1	15 16.14	−18 32.2	1.458	2.456	4.4	18.8
5 11	15 7.13	−16 42.6	1.470	2.480	0.7	18.5
5 21	14 58.67	−14 56.5	1.509	2.504	5.5	18.9
5 31	14 51.76	−13 22.3	1.575	2.528	9.9	19.2
6 10	14 47.07	−12 5.8	1.663	2.552	13.7	19.5

486019 2012 SA_{25} 5 9.9 259°.18 2°.4/ 6.3 17

4 1	15 23.67	− 6 37.4	4.521	5.323	7.0	21.8
4 11	15 20.68	− 5 57.5	4.429	5.318	5.5	21.7
4 21	15 16.82	− 5 17.3	4.363	5.313	3.9	21.6
5 1	15 12.34	− 4 38.8	4.325	5.308	2.7	21.5
5 11	15 7.58	− 4 4.0	4.317	5.303	2.6	21.5
5 21	15 2.87	− 3 34.6	4.338	5.299	3.8	21.6
5 31	14 58.53	− 3 12.0	4.387	5.294	5.4	21.7
6 10	14 54.86	− 2 57.2	4.462	5.289	7.0	21.8

186118 2001 TG_{138} 5 9.9 83°.74 5°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 40.85	−28 52.2	1.718	2.492	17.6	19.1
4 11	15 36.18	−29 48.9	1.640	2.502	14.5	18.9
4 21	15 28.42	−30 32.6	1.581	2.511	11.0	18.7
5 1	15 18.26	−30 59.5	1.546	2.520	7.5	18.5
5 11	15 6.87	−31 7.6	1.536	2.529	5.3	18.4
5 21	14 55.61	−30 58.2	1.552	2.538	6.5	18.5
5 31	14 45.85	−30 35.9	1.594	2.548	9.8	18.7
6 10	14 38.60	−30 7.4	1.659	2.557	13.2	18.9

47256 1999 VA_{72} 5 9.9 62°.38 1°.5/ 8.9 18

4 1	15 33.82	−14 57.7	1.865	2.680	14.9	19.0
4 11	15 29.89	−14 37.3	1.793	2.691	11.6	18.8
4 21	15 23.66	−14 11.2	1.743	2.703	7.8	18.6
5 1	15 15.79	−13 41.8	1.718	2.715	3.8	18.4
5 11	15 7.18	−13 12.5	1.719	2.727	1.8	18.3
5 21	14 58.82	−12 47.1	1.748	2.739	5.4	18.5
5 31	14 51.64	−12 29.0	1.803	2.752	9.2	18.8
6 10	14 46.33	−12 20.8	1.881	2.764	12.6	19.0

118828 2000 SF_{163} 5 9.9 64°.35 0°.0/ 9.9 17

4 1	15 30.88	−20 24.2	2.273	3.072	13.0	19.9
4 11	15 27.26	−19 49.4	2.190	3.078	10.3	19.7
4 21	15 21.72	−19 5.0	2.130	3.085	7.0	19.5
5 1	15 14.81	−18 12.9	2.095	3.091	3.4	19.3
5 11	15 7.29	−17 16.5	2.088	3.098	0.4	19.0
5 21	14 59.96	−16 19.9	2.110	3.105	4.2	19.4
5 31	14 53.58	−15 27.6	2.159	3.111	7.7	19.6
6 10	14 48.74	−14 43.4	2.232	3.118	10.8	19.8

303243 2004 PB_{114} 5 9.9 159°.79 5°.3/12.8 16

4 1	15 40.73	−30 18.4	1.617	2.392	18.5	21.2
4 11	15 36.33	−30 53.1	1.534	2.395	15.3	21.0
4 21	15 28.67	−31 11.3	1.469	2.399	11.7	20.7
5 1	15 18.43	−31 9.5	1.427	2.401	7.9	20.5
5 11	15 6.85	−30 46.5	1.409	2.404	5.4	20.4
5 21	14 55.43	−30 5.1	1.417	2.406	6.7	20.5
5 31	14 45.61	−29 11.6	1.451	2.408	10.3	20.7
6 10	14 38.47	−28 14.7	1.507	2.409	14.1	20.9

396972 2005 SC_{55} 5 9.9 238°.60 2°.4/11.6 18

4 1	15 35.04	−25 1.4	2.575	3.345	12.5	21.4
4 11	15 30.54	−25 24.8	2.473	3.338	10.1	21.2
4 21	15 24.04	−25 39.9	2.393	3.331	7.3	21.0
5 1	15 16.01	−25 45.8	2.339	3.324	4.4	20.8
5 11	15 7.15	−25 42.6	2.313	3.317	2.4	20.7
5 21	14 58.27	−25 31.6	2.316	3.309	4.1	20.8
5 31	14 50.22	−25 15.6	2.347	3.302	7.1	21.0
6 10	14 43.67	−24 58.0	2.404	3.294	10.0	21.1

254723 2005 NC_{62} 5 9.9 94°.31 1°.4/10.8 17

4 1	15 36.18	−22 24.6	1.691	2.493	16.7	20.6
4 11	15 32.23	−22 23.6	1.611	2.499	13.3	20.4
4 21	15 25.54	−22 10.7	1.552	2.505	9.3	20.2
5 1	15 16.79	−21 46.2	1.517	2.511	4.9	19.9
5 11	15 7.06	−21 12.2	1.508	2.517	1.4	19.7
5 21	14 57.54	−20 32.8	1.526	2.523	5.1	20.0
5 31	14 49.39	−19 53.3	1.569	2.529	9.4	20.2
6 10	14 43.47	−19 19.4	1.635	2.534	13.3	20.5

353582 2011 SP_{272} 5 9.9 181°.12 3°.5/ 6.6 18

4 1	15 31.67	− 5 26.7	3.085	3.883	10.0	21.4
4 11	15 27.26	− 4 51.7	2.998	3.884	7.9	21.3
4 21	15 21.44	− 4 17.1	2.937	3.884	5.7	21.1
5 1	15 14.62	− 3 45.9	2.903	3.884	3.9	21.0
5 11	15 7.34	− 3 20.7	2.898	3.884	3.8	21.0
5 21	15 0.14	− 3 3.9	2.922	3.883	5.4	21.1
5 31	14 53.59	− 2 57.0	2.974	3.881	7.6	21.3
6 10	14 48.15	− 3 0.7	3.050	3.879	9.8	21.4

306184 2011 FP_{17} 5 9.9 21°.58 5°.5/ 7.2 17

4 1	15 33.87	− 5 34.9	1.597	2.427	16.2	20.3
4 11	15 30.29	− 5 2.2	1.527	2.431	12.9	20.1
4 21	15 24.14	− 4 31.1	1.478	2.435	9.3	19.9
5 1	15 16.09	− 4 6.7	1.453	2.440	6.2	19.7
5 11	15 7.16	− 3 53.9	1.453	2.445	5.7	19.7
5 21	14 58.45	− 3 56.0	1.477	2.450	8.4	19.9
5 31	14 51.03	− 4 14.7	1.526	2.456	12.0	20.1
6 10	14 45.70	− 4 49.6	1.597	2.462	15.4	20.3

184280 Yperion 5 9.9 79°.33 0°.7/ 8.9 18

4 1	15 24.92	−14 52.6	4.409	5.201	7.3	20.9
4 11	15 21.68	−14 37.1	4.318	5.205	5.7	20.8
4 21	15 17.50	−14 19.1	4.253	5.208	3.8	20.7
5 1	15 12.68	−13 59.6	4.215	5.212	1.8	20.5
5 11	15 7.56	−13 40.1	4.208	5.215	0.8	20.4
5 21	15 2.50	−13 21.9	4.230	5.219	2.6	20.6
5 31	14 57.85	−13 6.6	4.281	5.222	4.6	20.7
6 10	14 53.93	−12 55.3	4.358	5.226	6.3	20.9

156381 2001 YT_{71} 5 9.9 248°.19 0°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.45	−20 5.4	2.136	2.928	14.0	20.7
4 11	15 32.07	−20 0.3	2.028	2.911	11.2	20.4
4 21	15 25.33	−19 46.6	1.941	2.894	7.8	20.2
5 1	15 16.73	−19 24.7	1.880	2.876	3.9	19.9
5 11	15 7.08	−18 56.4	1.847	2.857	0.6	19.6
5 21	14 57.37	−18 24.5	1.842	2.838	4.6	19.9
5 31	14 48.58	−17 53.3	1.865	2.818	8.6	20.1
6 10	14 41.57	−17 26.9	1.911	2.797	12.3	20.3

255464 2005 YJ_{86} 5 9.9 203°.94 1°.5/ 8.6 18

4 1	15 31.07	−13 25.7	3.094	3.889	10.0	22.1
4 11	15 26.88	−13 3.5	2.997	3.884	7.8	22.0
4 21	15 21.25	−12 38.0	2.924	3.880	5.3	21.8
5 1	15 14.56	−12 10.9	2.879	3.875	2.7	21.6
5 11	15 7.36	−11 44.5	2.863	3.869	1.6	21.5
5 21	15 0.22	−11 21.0	2.877	3.863	3.9	21.7
5 31	14 53.71	−11 2.6	2.920	3.857	6.6	21.9
6 10	14 48.30	−10 51.1	2.988	3.850	9.1	22.0

323755 2005 OC_{6} 5 9.9 120°.18 9°.2/ 3.8 17

4 1	15 34.66	+ 4 4.7	1.801	2.614	15.4	20.3
4 11	15 30.51	+ 5 26.1	1.741	2.621	12.9	20.2
4 21	15 24.07	+ 6 39.7	1.702	2.628	10.6	20.0
5 1	15 15.99	+ 7 37.9	1.687	2.635	9.3	20.0
5 11	15 7.20	+ 8 14.2	1.697	2.641	9.7	20.0
5 21	14 58.68	+ 8 25.1	1.731	2.647	11.5	20.1
5 31	14 51.35	+ 8 10.0	1.787	2.653	13.9	20.3
6 10	14 45.91	+ 7 31.2	1.863	2.659	16.3	20.5

414099 2007 TR_{243} 5 9.9 226°.06 1°.5/10.9 17

4 1	15 37.47	−24 2.9	1.840	2.630	16.0	21.8
4 11	15 33.24	−23 46.5	1.740	2.620	12.9	21.6
4 21	15 26.29	−23 16.0	1.662	2.610	9.1	21.3
5 1	15 17.23	−22 31.4	1.607	2.599	4.9	21.0
5 11	15 7.04	−21 35.1	1.579	2.588	1.5	20.8
5 21	14 56.89	−20 31.5	1.579	2.576	5.0	21.0
5 31	14 47.96	−19 27.2	1.606	2.563	9.4	21.2
6 10	14 41.17	−18 28.9	1.656	2.550	13.5	21.4

129135 2005 AD_{21} 5 9.9 262°.28 6°.9/27.6 18 R

4 1	15 25.68	+21 49.9	4.616	5.337	8.0	19.6
4 11	15 22.23	+22 37.2	4.560	5.334	7.4	19.6
4 21	15 17.86	+23 14.9	4.527	5.332	7.0	19.5
5 1	15 12.85	+23 40.4	4.517	5.329	7.0	19.5
5 11	15 7.57	+23 51.5	4.530	5.326	7.3	19.5
5 21	15 2.37	+23 47.5	4.565	5.323	7.8	19.6
5 31	14 57.59	+23 28.3	4.622	5.320	8.5	19.6
6 10	14 53.55	+22 55.1	4.698	5.317	9.2	19.7

103256 2000 AY_{14} 5 9.9 17°.74 1°.7/10.8 18

4 1	15 30.85	−22 13.2	1.142	1.983	20.7	17.9
4 11	15 29.15	−22 18.4	1.079	1.989	16.5	17.6
4 21	15 24.00	−22 8.3	1.034	1.997	11.5	17.4
5 1	15 16.20	−21 43.2	1.010	2.006	6.0	17.1
5 11	15 7.17	−21 6.5	1.007	2.016	1.7	16.9
5 21	14 58.49	−20 23.8	1.028	2.028	6.2	17.2
5 31	14 51.64	−19 42.8	1.071	2.041	11.5	17.5
6 10	14 47.62	−19 10.3	1.134	2.055	16.1	17.8

276671 2003 WP_{157} 5 9.9 197°.97 5°.4/ 7.3 17

4 1	15 42.83	− 1 45.1	2.146	2.937	14.0	20.8
4 11	15 36.69	− 1 30.7	2.056	2.934	11.3	20.6
4 21	15 28.24	− 1 20.9	1.989	2.930	8.4	20.4
5 1	15 18.04	− 1 19.5	1.948	2.925	6.0	20.2
5 11	15 6.96	− 1 29.8	1.936	2.919	5.6	20.2
5 21	14 55.96	− 1 53.5	1.953	2.912	7.7	20.3
5 31	14 46.01	− 2 31.3	1.997	2.905	10.7	20.5
6 10	14 37.86	− 3 22.1	2.065	2.896	13.7	20.7

497129 2004 PC_{31} 5 9.9 221°.59 6°.1/ 4.7 17

4 1	15 34.26	− 0 21.2	2.496	3.296	12.0	22.6
4 11	15 29.71	+ 0 43.0	2.404	3.284	9.8	22.4
4 21	15 23.35	+ 1 45.1	2.337	3.272	7.6	22.3
5 1	15 15.64	+ 2 40.1	2.297	3.259	6.2	22.2
5 11	15 7.24	+ 3 23.3	2.284	3.245	6.5	22.1
5 21	14 58.89	+ 3 51.0	2.298	3.231	8.3	22.2
5 31	14 51.33	+ 4 1.1	2.338	3.216	10.6	22.4
6 10	14 45.14	+ 3 53.3	2.401	3.200	13.0	22.5

502904 2015 EL_{9} 5 9.9 242°.53 6°.1/13.1 18

4 1	15 40.21	−32 15.6	2.017	2.767	16.1	20.8
4 11	15 35.56	−33 17.4	1.921	2.763	13.6	20.6
4 21	15 28.03	−34 6.7	1.845	2.757	10.7	20.4
5 1	15 18.15	−34 39.2	1.792	2.752	7.9	20.2
5 11	15 6.93	−34 52.2	1.765	2.747	6.2	20.1
5 21	14 55.61	−34 45.8	1.765	2.741	7.0	20.1
5 31	14 45.49	−34 23.6	1.791	2.736	9.5	20.3
6 10	14 37.60	−33 51.7	1.841	2.730	12.5	20.5

88096 2000 WQ_{62} 5 9.9 216.°02 6.°0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 40.14	−35 18.9	2.407	3.131	14.4	19.4
4 11	15 35.06	−36 3.0	2.303	3.123	12.3	19.2
4 21	15 27.43	−36 33.5	2.218	3.115	9.9	19.0
5 1	15 17.78	−36 46.7	2.158	3.107	7.5	18.9
5 11	15 6.99	−36 40.9	2.125	3.098	6.0	18.8
5 21	14 56.15	−36 16.7	2.118	3.088	6.5	18.8
5 31	14 46.35	−35 37.5	2.139	3.078	8.6	18.9
6 10	14 38.49	−34 49.4	2.184	3.067	11.1	19.0

208285 2001 BX_{61} 5 9.9 175.°93 19.°5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.68	+22 1.0	1.348	2.125	21.4	20.3
4 11	15 35.43	+24 54.8	1.314	2.128	20.2	20.2
4 21	15 27.91	+27 21.5	1.298	2.129	19.5	20.2
5 1	15 17.98	+29 6.4	1.299	2.131	19.7	20.2
5 11	15 6.99	+29 59.9	1.318	2.131	20.6	20.3
5 21	14 56.43	+29 59.5	1.352	2.131	22.0	20.4
5 31	14 47.66	+29 8.7	1.400	2.130	23.5	20.5
6 10	14 41.59	+27 36.1	1.459	2.128	25.0	20.6

194891 2002 AW_{83} 5 9.9 8.°84 9.°1/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.94	+ 1 20.8	1.555	2.387	16.5	19.3
4 11	15 28.82	+ 2 37.5	1.491	2.387	13.7	19.1
4 21	15 23.16	+ 3 48.2	1.448	2.388	10.9	19.0
5 1	15 15.64	+ 4 44.5	1.427	2.390	9.2	18.9
5 11	15 7.26	+ 5 19.3	1.431	2.392	9.6	18.9
5 21	14 59.12	+ 5 28.3	1.457	2.395	11.7	19.0
5 31	14 52.26	+ 5 10.2	1.506	2.398	14.6	19.2
6 10	14 47.44	+ 4 27.3	1.573	2.401	17.4	19.4

389263 2009 FR_{64} 5 9.9 4.°14 1.°4/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.56	−21 20.9	2.101	2.895	14.1	20.6
4 11	15 30.50	−21 39.2	2.012	2.895	11.3	20.4
4 21	15 24.18	−21 49.7	1.945	2.895	7.9	20.2
5 1	15 16.13	−21 52.1	1.903	2.895	4.2	20.0
5 11	15 7.20	−21 47.3	1.888	2.896	1.4	19.8
5 21	14 58.34	−21 37.3	1.900	2.896	4.4	20.0
5 31	14 50.50	−21 25.1	1.940	2.897	8.1	20.2
6 10	14 44.44	−21 14.6	2.004	2.898	11.4	20.4

10800 1992 OM_{8} 5 9.9 314.°97 0.°5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.42	−18 8.7	1.632	2.451	16.4	18.3
4 11	15 30.22	−17 51.6	1.545	2.445	13.0	18.0
4 21	15 24.31	−17 24.7	1.478	2.439	8.9	17.8
5 1	15 16.29	−16 49.9	1.435	2.433	4.3	17.5
5 11	15 7.19	−16 10.7	1.418	2.428	0.9	17.2
5 21	14 58.18	−15 31.6	1.427	2.422	5.6	17.5
5 31	14 50.42	−14 58.0	1.460	2.417	10.3	17.8
6 10	14 44.83	−14 34.4	1.516	2.412	14.3	18.0

52540 1996 TJ_{48} 5 9.9 212.°84 1.°5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.61	−13 20.2	2.483	3.282	12.1	18.8
4 11	15 30.07	−13 13.7	2.388	3.277	9.5	18.6
4 21	15 23.64	−13 4.2	2.317	3.272	6.5	18.4
5 1	15 15.81	−12 53.1	2.271	3.267	3.2	18.2
5 11	15 7.26	−12 42.6	2.255	3.262	1.6	18.0
5 21	14 58.76	−12 34.9	2.268	3.256	4.6	18.2
5 31	14 51.08	−12 32.2	2.308	3.250	7.8	18.4
6 10	14 44.84	−12 36.3	2.373	3.244	10.8	18.6

492357 2014 HM_{27} 5 9.9 298.°23 0.°5/ 9.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.67	−17 14.3	2.276	3.080	12.9	22.0
4 11	15 28.07	−17 5.0	2.176	3.067	10.2	21.8
4 21	15 22.45	−16 49.4	2.097	3.054	6.9	21.5
5 1	15 15.29	−16 28.8	2.045	3.042	3.3	21.3
5 11	15 7.32	−16 5.5	2.020	3.029	0.7	21.1
5 21	14 59.35	−15 42.3	2.023	3.017	4.4	21.3
5 31	14 52.21	−15 22.4	2.053	3.005	8.1	21.5
6 10	14 46.62	−15 8.9	2.107	2.993	11.4	21.7

129507 1995 SU_{45} 5 9.9 201.°94 0.°9/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.82	−16 42.1	2.426	3.220	12.5	21.6
4 11	15 30.28	−16 16.6	2.329	3.216	9.8	21.4
4 21	15 23.81	−15 44.5	2.255	3.211	6.7	21.2
5 1	15 15.89	−15 7.6	2.209	3.205	3.2	21.0
5 11	15 7.25	−14 28.6	2.190	3.199	1.1	20.8
5 21	14 58.70	−13 50.9	2.201	3.192	4.5	21.0
5 31	14 51.00	−13 18.0	2.240	3.185	7.9	21.2
6 10	14 44.82	−12 52.9	2.305	3.177	11.0	21.4

522745 2016 MA_{4} 5 9.9 51.°32 7.°5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.31	− 2 17.0	1.678	2.507	15.6	21.5
4 11	15 28.88	− 0 56.9	1.614	2.513	12.6	21.3
4 21	15 23.08	+ 0 20.9	1.571	2.519	9.7	21.1
5 1	15 15.57	+ 1 28.9	1.553	2.525	7.7	21.0
5 11	15 7.30	+ 2 20.3	1.560	2.531	7.9	21.0
5 21	14 59.29	+ 2 50.1	1.591	2.538	10.2	21.2
5 31	14 52.50	+ 2 56.1	1.645	2.544	13.2	21.4
6 10	14 47.64	+ 2 39.2	1.720	2.551	16.0	21.6

20466 1999 MW_{1} 5 9.9 135.°81 11.°0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 44.83	−53 41.0	2.262	2.875	17.8	18.5
4 11	15 39.55	−54 13.5	2.174	2.881	16.3	18.4
4 21	15 30.76	−54 20.6	2.101	2.886	14.6	18.2
5 1	15 19.36	−53 56.1	2.046	2.892	12.9	18.1
5 11	15 6.86	−52 56.9	2.012	2.897	11.6	18.0
5 21	14 54.90	−51 24.2	2.001	2.902	11.0	18.0
5 31	14 44.95	−49 24.4	2.015	2.906	11.5	18.0
6 10	14 37.96	−47 7.6	2.053	2.911	12.8	18.1

31295 1998 FF_{72} 5 9.9 118.°76 0.°8/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.81	−22 3.6	2.655	3.435	11.9	19.6
4 11	15 29.23	−21 50.0	2.575	3.450	9.4	19.5
4 21	15 22.91	−21 28.2	2.518	3.466	6.5	19.3
5 1	15 15.39	−20 58.9	2.488	3.481	3.3	19.1
5 11	15 7.34	−20 24.1	2.486	3.495	0.8	18.9
5 21	14 59.48	−19 46.5	2.514	3.509	3.5	19.2
5 31	14 52.51	−19 9.7	2.570	3.523	6.6	19.4
6 10	14 46.95	−18 36.7	2.652	3.536	9.3	19.6

378681 2008 HJ_{64} 5 9.9 224.°94 1.°9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.84	− 9 36.6	4.531	5.332	7.0	21.3
4 11	15 20.83	− 8 58.6	4.441	5.331	5.4	21.2
4 21	15 16.95	− 8 19.5	4.375	5.330	3.7	21.1
5 1	15 12.46	− 7 40.8	4.339	5.328	2.3	21.0
5 11	15 7.69	− 7 4.6	4.332	5.327	2.0	21.0
5 21	15 2.97	− 6 32.5	4.354	5.326	3.4	21.1
5 31	14 58.64	− 6 6.2	4.406	5.325	5.1	21.2
6 10	14 54.99	− 5 46.6	4.482	5.324	6.7	21.3

5989 Sorin 5 9.9 294.°48 1.°8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.02	−22 6.0	1.303	2.128	19.5	17.8
4 11	15 32.66	−22 14.4	1.205	2.106	15.9	17.5
4 21	15 26.77	−22 9.4	1.125	2.083	11.3	17.1
5 1	15 17.83	−21 49.7	1.066	2.061	6.1	16.8
5 11	15 7.02	−21 16.4	1.030	2.039	1.8	16.4
5 21	14 55.92	−20 33.7	1.018	2.017	6.5	16.7
5 31	14 46.26	−19 48.9	1.030	1.996	12.3	16.9
6 10	14 39.45	−19 10.2	1.061	1.974	17.6	17.1

329049 2011 AR_{52} 5 9.9 193.°32 6.°7/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.02	− 0 7.2	2.018	2.824	14.2	21.1
4 11	15 32.24	+ 0 36.5	1.939	2.823	11.6	20.9
4 21	15 25.24	+ 1 15.5	1.882	2.821	8.9	20.7
5 1	15 16.62	+ 1 44.6	1.851	2.819	7.0	20.6
5 11	15 7.21	+ 1 59.1	1.846	2.817	7.0	20.6
5 21	14 57.94	+ 1 56.2	1.867	2.814	9.0	20.7
5 31	14 49.72	+ 1 34.6	1.914	2.810	11.7	20.9
6 10	14 43.27	+ 0 55.4	1.983	2.806	14.5	21.0

162068 1997 SD_{29} 5 9.9 120.°57 3.°6/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.06	−27 19.8	2.309	3.070	14.0	20.2
4 11	15 33.92	−28 2.5	2.222	3.079	11.4	20.0
4 21	15 26.47	−28 35.4	2.157	3.087	8.5	19.8
5 1	15 17.25	−28 56.4	2.117	3.095	5.5	19.6
5 11	15 7.14	−29 4.7	2.105	3.102	3.6	19.5
5 21	14 57.09	−29 1.3	2.122	3.110	4.9	19.6
5 31	14 48.10	−28 49.3	2.166	3.117	7.7	19.8
6 10	14 40.93	−28 33.0	2.235	3.124	10.6	20.0

402941 2007 TA_{275} 5 9.9 207.°53 0.°9/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.64	−14 33.6	4.198	4.986	7.7	23.0
4 11	15 23.86	−14 12.7	4.096	4.980	6.0	22.8
4 21	15 19.05	−13 48.9	4.019	4.973	4.0	22.7
5 1	15 13.50	−13 23.4	3.970	4.966	2.0	22.5
5 11	15 7.59	−12 57.9	3.952	4.959	1.0	22.4
5 21	15 1.72	−12 33.9	3.964	4.951	2.9	22.6
5 31	14 56.29	−12 13.1	4.005	4.944	4.9	22.7
6 10	14 51.64	−11 57.1	4.073	4.935	6.9	22.8

47651 2000 CV_{42} 5 9.9 0.°90 6.°0/ 5.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.99	− 4 36.9	1.952	2.776	14.0	19.0
4 11	15 27.59	− 3 21.0	1.877	2.776	11.2	18.8
4 21	15 22.11	− 2 4.7	1.825	2.776	8.3	18.6
5 1	15 15.11	− 0 54.1	1.798	2.776	6.3	18.5
5 11	15 7.41	+ 0 4.6	1.798	2.776	6.5	18.5
5 21	14 59.87	+ 0 46.6	1.823	2.776	8.7	18.6
5 31	14 53.34	+ 1 8.8	1.873	2.776	11.6	18.8
6 10	14 48.47	+ 1 10.7	1.944	2.777	14.4	19.0

391312 2006 TM_{41} 5 9.9 113.°00 1.°6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.16	−21 51.3	2.380	3.162	13.0	21.3
4 11	15 31.45	−22 14.6	2.292	3.167	10.4	21.2
4 21	15 24.67	−22 30.8	2.227	3.173	7.3	21.0
5 1	15 16.35	−22 39.4	2.188	3.178	4.0	20.8
5 11	15 7.26	−22 40.9	2.176	3.184	1.6	20.6
5 21	14 58.26	−22 36.7	2.194	3.189	4.0	20.8
5 31	14 50.19	−22 29.6	2.239	3.194	7.3	21.0
6 10	14 43.74	−22 22.7	2.310	3.199	10.3	21.2

75932 2000 CN_{71} 5 9.9 7°.45 2°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.11	−25 24.8	1.651	2.455	17.0	18.5
4 11	15 29.27	−25 38.5	1.570	2.456	13.7	18.3
4 21	15 23.70	−25 38.7	1.509	2.457	9.9	18.1
5 1	15 16.02	−25 24.4	1.471	2.460	5.8	17.9
5 11	15 7.30	−24 56.9	1.457	2.463	2.9	17.7
5 21	14 58.73	−24 19.7	1.470	2.466	5.3	17.8
5 31	14 51.48	−23 38.3	1.507	2.471	9.3	18.1
6 10	14 46.45	−22 59.1	1.567	2.476	13.2	18.3

476358 2008 BO_{33} 5 9.9 21°.27 4°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.71	−30 35.6	2.291	3.051	14.1	21.2
4 11	15 29.82	−30 53.1	2.199	3.052	11.7	21.0
4 21	15 23.71	−30 57.2	2.128	3.053	8.9	20.9
5 1	15 15.93	−30 46.5	2.081	3.054	6.0	20.7
5 11	15 7.31	−30 21.3	2.061	3.055	4.1	20.6
5 21	14 58.80	−29 43.8	2.068	3.056	5.0	20.6
5 31	14 51.31	−28 58.3	2.102	3.057	7.7	20.8
6 10	14 45.58	−28 10.0	2.161	3.059	10.6	21.0

465644 2009 QG_{3} 5 9.9 317°.42 2°.0/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.38	−16 23.5	1.298	2.143	18.4	21.2
4 11	15 28.03	−15 53.4	1.196	2.112	14.8	20.8
4 21	15 23.49	−15 10.9	1.113	2.081	10.2	20.5
5 1	15 16.22	−14 18.3	1.051	2.050	5.1	20.1
5 11	15 7.25	−13 21.1	1.013	2.021	2.3	19.8
5 21	14 57.97	−12 26.4	0.997	1.992	7.6	20.0
5 31	14 49.94	−11 42.1	1.004	1.964	13.3	20.2
6 10	14 44.46	−11 14.8	1.030	1.937	18.5	20.5

306414 1997 WL_{14} 5 9.9 143°.54 1°.1/ 9.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.48	−16 28.2	1.859	2.660	15.4	22.5
4 11	15 34.38	−16 7.0	1.782	2.672	12.1	22.3
4 21	15 26.80	−15 38.5	1.726	2.683	8.2	22.1
5 1	15 17.40	−15 4.7	1.696	2.693	3.9	21.9
5 11	15 7.17	−14 29.0	1.694	2.703	1.3	21.7
5 21	14 57.20	−13 55.3	1.719	2.711	5.4	22.0
5 31	14 48.52	−13 27.9	1.772	2.719	9.4	22.2
6 10	14 41.88	−13 10.2	1.848	2.726	13.0	22.5

399174 2014 FW_{47} 5 9.9 20°.32 5°.5/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.74	− 3 58.6	1.874	2.699	14.4	20.0
4 11	15 28.23	− 3 24.3	1.806	2.705	11.5	19.8
4 21	15 22.56	− 2 52.8	1.759	2.711	8.4	19.7
5 1	15 15.33	− 2 28.7	1.736	2.718	6.0	19.5
5 11	15 7.40	− 2 16.1	1.739	2.726	5.7	19.5
5 21	14 59.68	− 2 17.8	1.769	2.734	8.0	19.7
5 31	14 53.04	− 2 35.3	1.822	2.742	10.9	19.9
6 10	14 48.14	− 3 8.0	1.898	2.751	13.8	20.1

388321 2006 SB_{338} 5 9.9 193°.10 1°.5/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.86	−14 1.1	2.468	3.270	12.1	21.8
4 11	15 28.69	−13 41.0	2.378	3.269	9.4	21.6
4 21	15 22.70	−13 16.6	2.311	3.268	6.4	21.4
5 1	15 15.38	−12 50.0	2.270	3.266	3.2	21.2
5 11	15 7.40	−12 23.8	2.258	3.265	1.7	21.1
5 21	14 59.51	−12 0.8	2.274	3.263	4.6	21.3
5 31	14 52.45	−11 43.8	2.318	3.260	7.8	21.4
6 10	14 46.81	−11 34.9	2.387	3.258	10.7	21.6

381939 2010 CD_{182} 5 9.9 108°.60 4°.3/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.32	− 7 53.9	2.079	2.894	13.5	21.6
4 11	15 29.19	− 6 59.4	2.009	2.905	10.6	21.4
4 21	15 23.07	− 6 3.5	1.962	2.916	7.5	21.2
5 1	15 15.53	− 5 10.6	1.940	2.927	4.9	21.1
5 11	15 7.39	− 4 25.6	1.946	2.938	4.6	21.1
5 21	14 59.47	− 3 52.2	1.980	2.948	7.0	21.2
5 31	14 52.59	− 3 33.4	2.039	2.958	10.0	21.4
6 10	14 47.34	− 3 29.9	2.121	2.968	12.8	21.6

507849 2014 GX_{6} 5 9.9 69°.11 3°.9/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.65	−28 40.8	2.242	3.006	14.3	21.4
4 11	15 32.09	−29 17.6	2.161	3.017	11.7	21.2
4 21	15 25.23	−29 43.0	2.101	3.029	8.8	21.0
5 1	15 16.66	−29 55.2	2.066	3.041	5.8	20.9
5 11	15 7.26	−29 53.7	2.058	3.053	4.0	20.8
5 21	14 57.99	−29 40.2	2.077	3.065	5.0	20.8
5 31	14 49.82	−29 18.1	2.124	3.077	7.8	21.0
6 10	14 43.48	−28 52.1	2.195	3.089	10.6	21.2

139549 2001 QJ_{56} 5 9.9 246°.15 1°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.99	−14 33.9	2.323	3.127	12.6	20.2
4 11	15 29.00	−14 11.7	2.225	3.118	9.9	20.0
4 21	15 23.04	−13 44.4	2.150	3.108	6.8	19.7
5 1	15 15.59	−13 14.0	2.102	3.098	3.4	19.5
5 11	15 7.38	−12 43.3	2.081	3.088	1.7	19.4
5 21	14 59.21	−12 15.6	2.088	3.078	4.8	19.6
5 31	14 51.87	−11 54.1	2.123	3.067	8.3	19.7
6 10	14 46.05	−11 41.3	2.183	3.056	11.5	19.9

16572 1992 EU_{5} 5 9.9 112°.77 1°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.29	−14 21.3	2.502	3.302	12.0	18.4
4 11	15 28.89	−14 0.8	2.425	3.315	9.3	18.2
4 21	15 22.73	−13 36.1	2.371	3.328	6.3	18.1
5 1	15 15.35	−13 9.3	2.344	3.340	3.1	17.9
5 11	15 7.43	−12 42.9	2.346	3.353	1.6	17.8
5 21	14 59.68	−12 19.6	2.376	3.365	4.4	18.0
5 31	14 52.81	−12 2.1	2.434	3.376	7.5	18.2
6 10	14 47.36	−11 52.3	2.517	3.388	10.3	18.4

207513 2006 JO_{28} 5 9.9 291°.33 2°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.16	−14 24.8	1.933	2.750	14.3	20.4
4 11	15 28.71	−13 46.5	1.845	2.744	11.3	20.2
4 21	15 23.01	−13 1.4	1.778	2.739	7.7	20.0
5 1	15 15.62	−12 12.6	1.737	2.733	3.9	19.7
5 11	15 7.40	−11 24.4	1.722	2.728	2.4	19.6
5 21	14 59.27	−10 41.3	1.735	2.723	5.8	19.8
5 31	14 52.17	−10 7.8	1.774	2.718	9.7	20.0
6 10	14 46.85	− 9 46.9	1.835	2.713	13.1	20.3

293307 2007 DQ_{37} 5 9.9 6°.09 4°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.15	+ 2 21.1	3.881	4.681	8.1	20.2
4 11	15 21.22	+ 3 21.7	3.807	4.681	6.6	20.1
4 21	15 17.30	+ 4 19.2	3.758	4.682	5.4	20.0
5 1	15 12.68	+ 5 10.3	3.736	4.683	4.7	19.9
5 11	15 7.74	+ 5 52.3	3.742	4.684	5.0	19.9
5 21	15 2.87	+ 6 23.4	3.775	4.685	6.0	20.0
5 31	14 58.46	+ 6 42.1	3.834	4.687	7.4	20.1
6 10	14 54.82	+ 6 48.2	3.916	4.688	8.8	20.2

501625 2014 SZ_{164} 5 9.9 297°.62 4°.5/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.83	−11 48.2	1.319	2.162	18.3	21.3
4 11	15 30.53	−10 56.4	1.227	2.140	14.6	21.0
4 21	15 25.04	− 9 55.6	1.153	2.119	10.2	20.7
5 1	15 16.91	− 8 51.1	1.102	2.097	5.9	20.4
5 11	15 7.24	− 7 50.4	1.074	2.076	4.9	20.3
5 21	14 57.42	− 7 1.1	1.070	2.054	9.1	20.4
5 31	14 48.94	− 6 30.4	1.088	2.034	14.1	20.6
6 10	14 42.99	− 6 22.1	1.126	2.013	18.8	20.8

153977 2002 AG_{106} 5 9.9 176°.25 0°.2/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.43	−19 39.8	2.287	3.076	13.3	21.5
4 11	15 31.69	−19 28.2	2.196	3.078	10.5	21.3
4 21	15 24.85	−19 8.6	2.128	3.080	7.2	21.1
5 1	15 16.46	−18 41.9	2.086	3.081	3.5	20.9
5 11	15 7.32	−18 10.2	2.072	3.082	0.4	20.6
5 21	14 58.29	−17 36.8	2.087	3.082	4.2	20.9
5 31	14 50.25	−17 5.2	2.130	3.081	7.8	21.1
6 10	14 43.86	−16 39.1	2.198	3.080	11.1	21.3

204831 Levski 5 9.9 226°.61 3°.8/ 7.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.36	− 8 33.7	2.153	2.966	13.2	20.8
4 11	15 29.35	− 7 54.8	2.065	2.961	10.4	20.6
4 21	15 23.30	− 7 14.0	2.000	2.956	7.3	20.4
5 1	15 15.73	− 6 35.1	1.961	2.951	4.5	20.2
5 11	15 7.41	− 6 2.0	1.950	2.945	4.1	20.2
5 21	14 59.18	− 5 38.5	1.965	2.939	6.6	20.3
5 31	14 51.87	− 5 27.3	2.007	2.934	9.7	20.5
6 10	14 46.15	− 5 29.7	2.073	2.927	12.8	20.7

501150 2013 TV_{65} 5 9.9 151°.88 4°.0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.92	−30 19.5	2.195	2.951	14.8	22.1
4 11	15 33.17	−30 34.2	2.106	2.957	12.2	21.9
4 21	15 26.02	−30 34.8	2.039	2.964	9.2	21.7
5 1	15 17.07	−30 19.9	1.996	2.969	6.1	21.5
5 11	15 7.26	−29 49.6	1.979	2.975	4.1	21.4
5 21	14 57.61	−29 6.6	1.991	2.980	5.1	21.5
5 31	14 49.13	−28 15.7	2.030	2.984	8.0	21.7
6 10	14 42.57	−27 22.9	2.094	2.988	11.0	21.9

212013 2005 CO_{4} 5 9.9 32°.97 2°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.71	−22 28.9	1.318	2.139	19.5	19.7
4 11	15 32.66	−22 43.6	1.248	2.146	15.6	19.5
4 21	15 26.30	−22 45.1	1.196	2.153	11.0	19.2
5 1	15 17.38	−22 32.8	1.166	2.161	5.9	19.0
5 11	15 7.22	−22 8.5	1.160	2.169	2.1	18.7
5 21	14 57.34	−21 36.5	1.179	2.177	5.9	19.0
5 31	14 49.16	−21 3.1	1.221	2.186	10.9	19.3
6 10	14 43.71	−20 34.9	1.284	2.196	15.3	19.6

379605 2011 CJ_{54} 5 9.9 265°.84 7°.2/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.17	− 2 2.9	1.775	2.599	15.1	21.6
4 11	15 29.59	− 0 51.7	1.698	2.594	12.3	21.4
4 21	15 23.65	+ 0 17.6	1.643	2.589	9.4	21.2
5 1	15 15.95	+ 1 18.4	1.612	2.584	7.5	21.0
5 11	15 7.39	+ 2 3.8	1.606	2.578	7.7	21.0
5 21	14 58.96	+ 2 29.3	1.625	2.573	10.0	21.2
5 31	14 51.65	+ 2 32.1	1.669	2.568	13.0	21.3
6 10	14 46.20	+ 2 12.6	1.732	2.563	15.9	21.5

461526 2003 SZ_{299} 5 9.9 290°.12 9°.1/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 39.84	−34 50.7	1.534	2.298	19.7	21.2
4 11	15 36.67	−36 11.6	1.433	2.279	17.1	21.0
4 21	15 29.73	−37 17.8	1.349	2.259	14.0	20.7
5 1	15 19.44	−38 1.8	1.286	2.239	11.0	20.5
5 11	15 6.96	−38 17.7	1.245	2.220	9.2	20.3
5 21	14 54.01	−38 3.4	1.228	2.200	9.9	20.3
5 31	14 42.52	−37 23.2	1.234	2.180	12.7	20.4
6 10	14 34.09	−36 26.6	1.261	2.161	16.3	20.6

386533 2009 CW_{32} 5 9.9 331°.77 7°.4/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.79	− 0 47.3	1.877	2.703	14.3	20.4
4 11	15 26.83	+ 0 26.6	1.799	2.695	11.7	20.2
4 21	15 21.72	+ 1 37.9	1.744	2.687	9.2	20.1
5 1	15 15.01	+ 2 39.8	1.713	2.680	7.6	20.0
5 11	15 7.51	+ 3 26.1	1.707	2.673	7.9	20.0
5 21	15 0.12	+ 3 52.0	1.725	2.666	10.0	20.1
5 31	14 53.72	+ 3 55.4	1.767	2.660	12.7	20.2
6 10	14 49.01	+ 3 36.4	1.830	2.654	15.5	20.4

347621 2001 SB_{114} 5 9.9 187°.03 4°.1/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.08	−31 34.1	2.789	3.526	12.4	21.4
4 11	15 32.11	−32 3.3	2.689	3.525	10.3	21.2
4 21	15 25.13	−32 21.4	2.611	3.524	7.9	21.1
5 1	15 16.63	−32 26.6	2.559	3.523	5.6	20.9
5 11	15 7.33	−32 18.5	2.534	3.521	4.1	20.8
5 21	14 58.05	−31 58.3	2.538	3.519	4.8	20.9
5 31	14 49.63	−31 28.8	2.570	3.516	6.9	21.0
6 10	14 42.75	−30 54.3	2.628	3.513	9.4	21.1

7604 Kridsadaporn 5 9.9 151°.55 5°.1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.17	+ 5 27.7	3.995	4.771	8.3	20.3
4 11	15 26.50	+ 6 22.4	3.930	4.784	6.9	20.2
4 21	15 20.78	+ 7 12.3	3.889	4.797	5.7	20.1
5 1	15 14.34	+ 7 54.4	3.877	4.808	5.1	20.1
5 11	15 7.61	+ 8 26.1	3.893	4.819	5.3	20.1
5 21	15 0.99	+ 8 45.9	3.938	4.830	6.3	20.2
5 31	14 54.89	+ 8 53.0	4.009	4.839	7.6	20.3
6 10	14 49.66	+ 8 47.5	4.103	4.848	8.9	20.4

207320 2005 GJ_{110} 5 9.9 240°.86 0°.0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.05	−19 31.9	2.223	3.021	13.3	21.3
4 11	15 29.18	−19 15.7	2.128	3.016	10.6	21.1
4 21	15 23.24	−18 51.1	2.056	3.010	7.2	20.9
5 1	15 15.73	−18 19.2	2.009	3.005	3.5	20.6
5 11	15 7.44	−17 42.6	1.990	2.999	0.4	20.4
5 21	14 59.22	−17 4.6	1.998	2.994	4.3	20.7
5 31	14 51.93	−16 29.2	2.035	2.988	8.0	20.9
6 10	14 46.26	−16 0.2	2.095	2.982	11.3	21.1

336512 2008 WT_{138} 5 9.9 160°.32 0°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.25	−19 32.3	2.124	2.924	13.8	21.1
4 11	15 29.36	−19 5.2	2.037	2.925	10.9	20.9
4 21	15 23.34	−18 28.8	1.971	2.927	7.4	20.6
5 1	15 15.76	−17 44.8	1.932	2.929	3.6	20.4
5 11	15 7.44	−16 56.3	1.920	2.930	0.5	20.2
5 21	14 59.27	−16 7.5	1.936	2.931	4.5	20.5
5 31	14 52.12	−15 22.8	1.980	2.932	8.3	20.7
6 10	14 46.65	−14 46.3	2.047	2.933	11.6	20.9

213211 2000 UU_{57} 5 9.9 228°.14 0°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.95	−19 40.6	2.772	3.559	11.3	21.1
4 11	15 27.88	−19 13.9	2.667	3.549	8.9	20.9
4 21	15 22.14	−18 39.4	2.586	3.539	6.1	20.7
5 1	15 15.14	−17 58.4	2.532	3.528	2.9	20.5
5 11	15 7.52	−17 13.4	2.507	3.517	0.4	20.2
5 21	14 59.94	−16 27.4	2.512	3.506	3.7	20.5
5 31	14 53.09	−15 43.8	2.545	3.494	6.8	20.7
6 10	14 47.52	−15 6.0	2.604	3.482	9.7	20.8

464253 2015 DV_{156} 5 9.9 291°.88 7°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.34	−35 51.1	1.795	2.547	17.7	19.8
4 11	15 33.21	−36 16.9	1.677	2.517	15.3	19.6
4 21	15 26.90	−36 23.3	1.576	2.486	12.4	19.3
5 1	15 17.87	−36 5.3	1.497	2.456	9.3	19.0
5 11	15 7.18	−35 19.9	1.442	2.425	7.2	18.8
5 21	14 56.20	−34 8.6	1.412	2.393	7.8	18.8
5 31	14 46.47	−32 37.3	1.407	2.362	10.7	18.9
6 10	14 39.23	−30 56.3	1.426	2.331	14.5	19.0

508765 2108 $P–L$ 5 9.9 281°.41 1°.7/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 39.41	−22 45.3	1.817	2.607	16.1	23.1
4 11	15 35.34	−22 48.1	1.690	2.570	13.2	22.8
4 21	15 28.25	−22 39.5	1.582	2.531	9.5	22.4
5 1	15 18.54	−22 18.0	1.499	2.492	5.2	22.1
5 11	15 7.10	−21 44.1	1.442	2.451	1.7	21.8
5 21	14 55.15	−21 0.6	1.413	2.409	5.5	21.9
5 31	14 44.12	−20 12.8	1.410	2.367	10.5	22.1
6 10	14 35.24	−19 27.7	1.431	2.324	15.2	22.2

37519 Amphios 5 10.0 273°.73 2°.4/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.91	−29 35.1	4.474	5.209	8.0	18.4
4 11	15 25.73	−30 1.2	4.371	5.208	6.6	18.3
4 21	15 20.41	−30 20.8	4.292	5.208	5.0	18.2
5 1	15 14.24	−30 33.4	4.240	5.207	3.4	18.1
5 11	15 7.63	−30 39.0	4.217	5.207	2.5	18.0
5 21	15 1.03	−30 38.1	4.224	5.206	3.0	18.0
5 31	14 54.87	−30 32.1	4.260	5.206	4.4	18.1
6 10	14 49.54	−30 23.0	4.323	5.205	6.1	18.2

338043 2002 LZ 5 10.0 325°.81 5°.0/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.77	− 6 16.1	1.687	2.514	15.7	20.2
4 11	15 30.31	− 5 49.9	1.603	2.505	12.5	20.0
4 21	15 24.32	− 5 24.7	1.539	2.496	9.0	19.7
5 1	15 16.37	− 5 4.9	1.500	2.488	5.8	19.5
5 11	15 7.39	− 4 55.0	1.486	2.480	5.3	19.5
5 21	14 58.47	− 4 58.5	1.497	2.473	8.0	19.6
5 31	14 50.70	− 5 17.3	1.533	2.466	11.7	19.8
6 10	14 44.93	− 5 51.9	1.591	2.459	15.3	20.0

411178 2010 FN_{87} 5 10.0 4°.98 0°.9/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.88	−14 24.9	1.127	1.971	20.7	20.7
4 11	15 34.09	−14 50.1	1.057	1.970	16.4	20.4
4 21	15 27.62	−15 11.8	1.004	1.971	11.3	20.1
5 1	15 18.19	−15 30.8	0.973	1.972	5.5	19.8
5 11	15 7.18	−15 48.6	0.964	1.973	1.2	19.5
5 21	14 56.32	−16 7.4	0.978	1.976	7.0	19.9
5 31	14 47.29	−16 30.1	1.015	1.980	12.7	20.2
6 10	14 41.31	−16 59.7	1.072	1.984	17.6	20.5

140923 2001 VX_{66} 5 10.0 229°.05 1°.3/10.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.25	−22 24.9	2.031	2.821	14.7	20.5
4 11	15 32.04	−22 21.7	1.933	2.813	11.8	20.3
4 21	15 25.39	−22 7.9	1.855	2.805	8.3	20.1
5 1	15 16.87	−21 43.8	1.803	2.796	4.4	19.8
5 11	15 7.35	−21 10.9	1.778	2.787	1.3	19.6
5 21	14 57.85	−20 32.5	1.781	2.777	4.6	19.8
5 31	14 49.41	−19 53.1	1.810	2.767	8.6	20.0
6 10	14 42.86	−19 17.8	1.865	2.757	12.3	20.2

249677 1999 VU_{186} 5 10.0 178°.21 1°.7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.49	−15 50.6	1.966	2.770	14.6	21.1
4 11	15 32.02	−15 11.1	1.880	2.772	11.4	20.9
4 21	15 25.23	−14 23.7	1.816	2.774	7.8	20.7
5 1	15 16.72	−13 31.2	1.778	2.774	3.8	20.4
5 11	15 7.38	−12 37.7	1.767	2.774	2.0	20.3
5 21	14 58.21	−11 48.1	1.785	2.774	5.5	20.5
5 31	14 50.16	−11 7.0	1.829	2.773	9.5	20.8
6 10	14 43.97	−10 37.8	1.898	2.771	13.0	21.0

384220 2009 DK_{4} 5 10.0 196°.43 14°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 53.71	−40 45.6	1.354	2.084	23.5	20.8
4 11	15 49.10	−43 12.7	1.274	2.083	20.9	20.5
4 21	15 39.26	−45 23.6	1.209	2.081	18.1	20.3
5 1	15 24.51	−47 4.4	1.164	2.078	15.6	20.2
5 11	15 6.44	−48 2.6	1.139	2.075	14.2	20.1
5 21	14 47.69	−48 12.1	1.137	2.072	14.5	20.1
5 31	14 31.30	−47 37.6	1.155	2.067	16.5	20.2
6 10	14 19.49	−46 33.7	1.193	2.062	19.2	20.3

187990 2001 RT_{123} 5 10.0 26°.53 4°.7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.75	−27 21.3	1.554	2.347	18.3	19.5
4 11	15 34.09	−28 8.0	1.475	2.350	15.1	19.2
4 21	15 27.26	−28 41.4	1.414	2.353	11.2	19.0
5 1	15 17.91	−28 58.2	1.376	2.357	7.3	18.8
5 11	15 7.24	−28 57.2	1.363	2.362	4.7	18.6
5 21	14 56.68	−28 40.3	1.374	2.366	6.4	18.8
5 31	14 47.65	−28 12.5	1.411	2.371	10.2	19.0
6 10	14 41.20	−27 41.0	1.470	2.376	14.0	19.2

512274 2016 FH_{36} 5 10.0 2°.27 3°.2/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.66	−14 19.1	1.401	2.239	17.7	21.0
4 11	15 29.11	−13 23.9	1.327	2.238	13.9	20.8
4 21	15 23.69	−12 18.9	1.272	2.238	9.5	20.5
5 1	15 16.10	−11 9.4	1.241	2.238	5.0	20.2
5 11	15 7.46	−10 2.1	1.234	2.239	3.6	20.1
5 21	14 59.04	− 9 4.5	1.252	2.240	7.5	20.4
5 31	14 52.05	− 8 22.5	1.294	2.242	12.1	20.6
6 10	14 47.37	− 7 59.8	1.356	2.244	16.2	20.9

140816 2001 UD_{161} 5 10.0 182°.29 1°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.43	−15 8.4	2.787	3.582	11.0	21.2
4 11	15 28.15	−14 41.7	2.695	3.582	8.6	21.0
4 21	15 22.25	−14 10.2	2.627	3.582	5.8	20.8
5 1	15 15.19	−13 35.8	2.586	3.582	2.9	20.6
5 11	15 7.57	−13 1.0	2.574	3.581	1.4	20.5
5 21	15 0.05	−12 28.7	2.592	3.580	4.1	20.7
5 31	14 53.26	−12 1.5	2.638	3.579	7.0	20.9
6 10	14 47.73	−11 41.7	2.709	3.577	9.7	21.1